

STT3PC

3" SPOT TRACK LUMINAIRE

Spectrum 3" Round TT Series Track Light for Accent Lighting with Up to 2700 Lumens Delivered.

LUMENS / WATTAGE DATA

PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
STT3PC10L	1000	598	8.3	72
STT3PC20L	2000	1251	17.1	73
STT3PC30L	3000	1955	22	89
STT3PC40L	4000	2679	30.4	88

¹ Nominal Source Lumens at 35K ² Nominal Delivered Lumens at 82 CRI with PC40L 35K MD XX NL

FEATURES

Passive cooled LED tracklight with a wide variety of options. Track light accepts up to two accessories. Reflector and accessories are easily changed. Zhaga International standard LED module for fixture maintenance and upgrades. High tension friction locking mechanism for aiming and rotation. Wide array of track systems and fixture mounting.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. A wide variety of standard and custom finishes are available. All exposed materials are chromate pretreated to resist corrosion.

CONSTRUCTION

Fixture is fabricated from die-cast, extruded and machined aluminum.

ELECTRONICS

LED module features state of the art, high efficiency LEDs. 3-step MacAdam Ellipse binning with 80 and 90 CRI available. 120V TRIAC phase cut driver dims smooth to ≤ 5%. 0-10V ≤ 5% 120V and 277V options.

CODE COMPLIANCE

BAA Compliant. UL Listed for dry location.

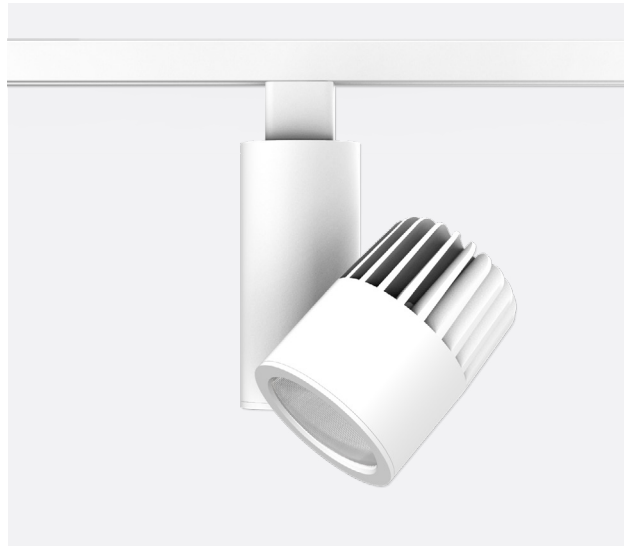
WARRANTY

5 year warranty is Standard. L70 > 60,000 hours.

PROJECT: _____

QUANTITY: _____

TYPE: _____



PRODUCT SELECTOR GUIDE

SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / VOLTAGE	ADAPTOR	FINISH	ACCESSORIES
STT3PC							+

EXAMPLE

STT3PC	10L	27K	ND	DO101	OT2D	PT	+
--------	-----	-----	----	-------	------	----	---

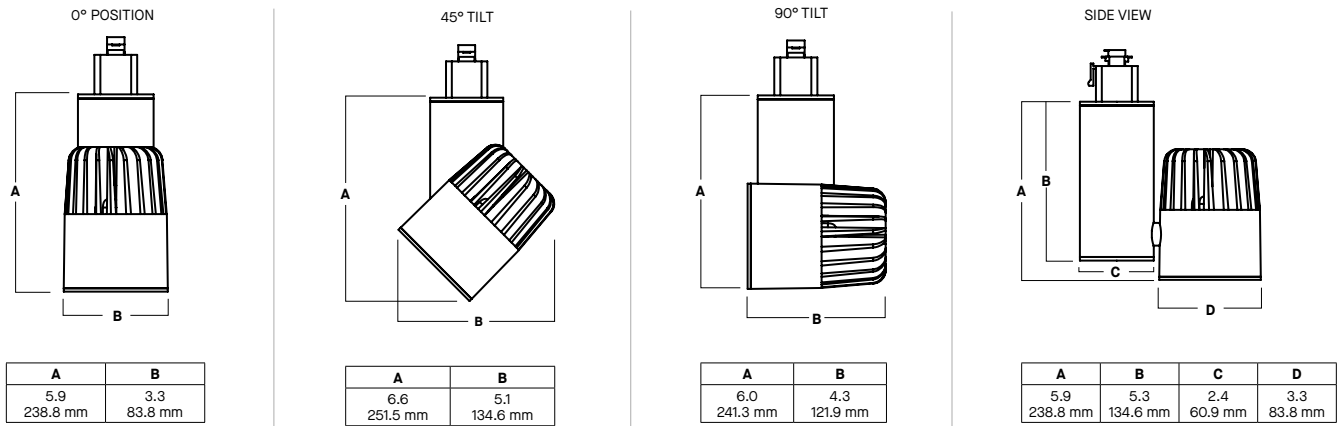
SERIES	LUMENS ¹	CCT	OPTICS	DRIVER / VOLTAGE	ADAPTOR	FINISH ²	ACCESSORIES ⁴				
STT3PC	80 CRI		ND 19° MD 36° WD 43° XW 62°	E1 120V ≤ 5% Triac Leading Edge Phase Dimming DO101 ≤ 5%, 0-10V Dimming, 120V E2 Non-Dimming Electronic Driver, 277V DO102 ≤ 5%, 0-10V Dimming, 277V	BET Basix 1 CIR/1 NEUT 120V TEK100 Global TEK 2 CIR/2 NEUT 120V OT2D 120V 2 Circuit 6 Conductor, 0-10V Dimmable HTEK100 Global HTEK 277V 2 Circuit HOT2D 277V 2 Circuit 6 Conductor, 0-10V Dimmable	MW³ Matte White MB³ Matte Black PT³ Platinum Silver CC Custom Color	ORDER SEPARATELY NL No Lens LN3ASO Solite Diffuse Lens LN3AFG Frosted Lens LN3ASK Skytex Linear Lens LN3AGL Clear Lens SN3A⁵ Snoot HL3A⁵ Hex Louver BET70WH Mono Point Canopy White BET70BK Mono Point Canopy Black				
	10L	600 Lm						27K 2700K	30K 3000K	35K 3500K	40K 4000K
	20L	1250 Lm						30K 3000K	35K 3500K	40K 4000K	
	30L	2000 Lm						35K 3500K	40K 4000K		
	40L	2700 Lm						40K 4000K			
	90 CRI							10L	471 Lm	27HK 2700K	30HK 3000K
	20L	1199 Lm	30HK 3000K	35HK 3500K	40HK 4000K						
	30L	1630 Lm	35HK 3500K	40HK 4000K							
	40L	2209 Lm	40HK 4000K								
	¹ Nominal Delivered Lumens at 35K ² See Color Page for More Options/ Consult Factory for Special Finishes ³ Standard Finishes ⁴ Track Light Accepts up to Two Accessories ⁵ Flat Black Finish										

GREEN TEXT INDICATES QUICK SHIP OPTIONS ■ DLC STANDARD LISTED OPTIONS

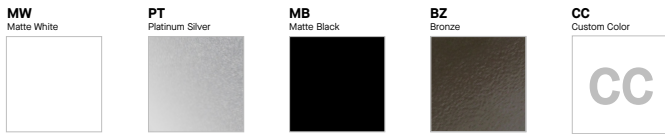


COPYRIGHT 2022 SPECTRUM LIGHTING, INC.

FIXTURE DIMENSIONS



FINISH



PAINT TIMES

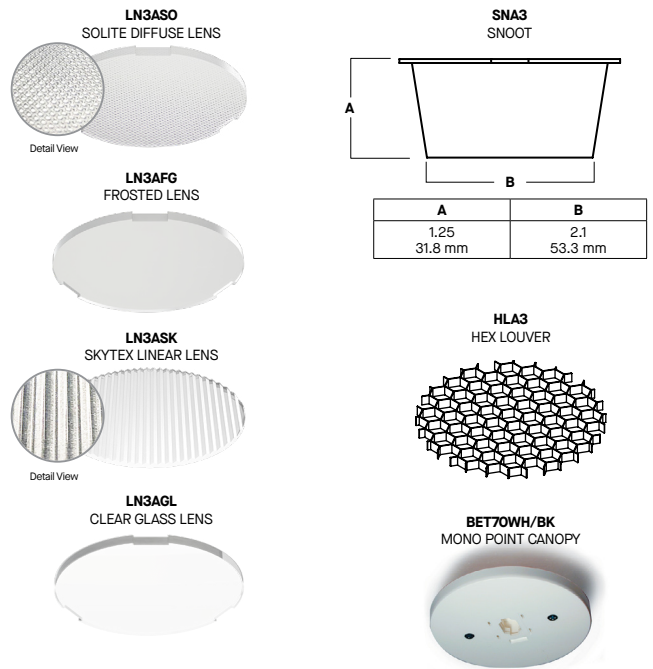
TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	⌚
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

STANDARD PRODUCT FINISHES

FIXTURE COLOR	STANDARD CORD COLOR / TRACK ADAPTER
Matte White	Matte White
Matte Black	Matte Black
All Others	Matte Black
Custom Color	Contact Factory

FIXTURE ACCESSORIES



ADAPTOR



STT3PC 40L 35K ND XX NL

CANDLEPOWER CURVE TEST SP-00596_21	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																												
	0°	0° - 10° 865 28%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter at Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>195 fc</td><td>3.0'</td><td>93 fc</td></tr> <tr><td>10'</td><td>125 fc</td><td>3.7'</td><td>59 fc</td></tr> <tr><td>12'</td><td>87 fc</td><td>4.5'</td><td>41 fc</td></tr> <tr><td>14'</td><td>64 fc</td><td>5.2'</td><td>30 fc</td></tr> <tr><td>16'</td><td>49 fc</td><td>6.0'</td><td>23 fc</td></tr> <tr><td>20'</td><td>31 fc</td><td>7.5'</td><td>15 fc</td></tr> <tr><td>24'</td><td>22 fc</td><td>9.0'</td><td>10 fc</td></tr> <tr><td>28'</td><td>16 fc</td><td>10.4'</td><td>8 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	195 fc	3.0'	93 fc	10'	125 fc	3.7'	59 fc	12'	87 fc	4.5'	41 fc	14'	64 fc	5.2'	30 fc	16'	49 fc	6.0'	23 fc	20'	31 fc	7.5'	15 fc	24'	22 fc	9.0'	10 fc	28'	16 fc	10.4'	8 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 4</th> <th colspan="2">RCR 6</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>18'</td><td>4'</td><td>180</td><td>1.87</td><td>166</td><td>1.88</td></tr> <tr><td>22'</td><td>5'</td><td>111</td><td>1.15</td><td>102</td><td>1.16</td></tr> <tr><td>26'</td><td>6'</td><td>75</td><td>0.78</td><td>69</td><td>0.78</td></tr> <tr> <td colspan="2">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">96 FC per W/Sq. Ft.</td> <td colspan="2">88 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="6"> * 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 3.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor </td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 4		RCR 6		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	4'	180	1.87	166	1.88	22'	5'	111	1.15	102	1.16	26'	6'	75	0.78	69	0.78	Delivered Illuminance Rating: (DIR)		96 FC per W/Sq. Ft.		88 FC per W/Sq. Ft.		* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 3.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor					
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																																											
	8'	195 fc		3.0'	93 fc																																																																											
	10'	125 fc		3.7'	59 fc																																																																											
	12'	87 fc		4.5'	41 fc																																																																											
	14'	64 fc		5.2'	30 fc																																																																											
	16'	49 fc		6.0'	23 fc																																																																											
	20'	31 fc		7.5'	15 fc																																																																											
	24'	22 fc		9.0'	10 fc																																																																											
	28'	16 fc		10.4'	8 fc																																																																											
Ceiling Height	Fixture Spacing	RCR 4		RCR 6																																																																												
		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																																											
18'	4'	180	1.87	166	1.88																																																																											
22'	5'	111	1.15	102	1.16																																																																											
26'	6'	75	0.78	69	0.78																																																																											
Delivered Illuminance Rating: (DIR)		96 FC per W/Sq. Ft.		88 FC per W/Sq. Ft.																																																																												
* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 3.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor																																																																																
0° 12504	0° - 20° 1913 62%																																																																															
5° 10590	0° - 30° 2640 85%																																																																															
15° 3623	0° - 40° 3048 98%																																																																															
25° 1490	0° - 60° 3084 100%																																																																															
35° 657	0° - 80° 3094 100%																																																																															
45° 21	0° - 90° 3097 100%																																																																															
55° 5																																																																																
90° 0	Total 3097 100%																																																																															

Delivered Lumens: 3097
Luminaire Watts: 30.3
LER: 102.21

CP at 0° (Nadir): 12504
CRI: 80+

Beam Angle: 21°
Spacing Ratio: 0.35

Lumen Multiplier: 20L x 0.47, 30L x 0.73
CCT Multiplier: 27K x 0.96, 30K x 0.99, 40K x 1.04

STT3PC 40L 35K MD XX NL

CANDLEPOWER CURVE TEST SP-00596_15_M-40L	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																												
	0°	0° - 10° 716 27%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter at Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>136 fc</td><td>3.9'</td><td>62 fc</td></tr> <tr><td>10'</td><td>87 fc</td><td>4.9'</td><td>40 fc</td></tr> <tr><td>12'</td><td>61 fc</td><td>5.9'</td><td>28 fc</td></tr> <tr><td>14'</td><td>45 fc</td><td>6.9'</td><td>20 fc</td></tr> <tr><td>16'</td><td>34 fc</td><td>7.9'</td><td>16 fc</td></tr> <tr><td>20'</td><td>22 fc</td><td>9.9'</td><td>10 fc</td></tr> <tr><td>24'</td><td>15 fc</td><td>11.8'</td><td>7 fc</td></tr> <tr><td>28'</td><td>11 fc</td><td>13.8'</td><td>5 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	136 fc	3.9'	62 fc	10'	87 fc	4.9'	40 fc	12'	61 fc	5.9'	28 fc	14'	45 fc	6.9'	20 fc	16'	34 fc	7.9'	16 fc	20'	22 fc	9.9'	10 fc	24'	15 fc	11.8'	7 fc	28'	11 fc	13.8'	5 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 3</th> <th colspan="2">RCR 5</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>18'</td><td>6'</td><td>72</td><td>0.83</td><td>71</td><td>0.90</td></tr> <tr><td>22'</td><td>7'</td><td>56</td><td>0.65</td><td>44</td><td>0.56</td></tr> <tr><td>26'</td><td>8'</td><td>38</td><td>0.44</td><td>30</td><td>0.38</td></tr> <tr> <td colspan="2">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">86 FC per W/Sq. Ft.</td> <td colspan="2">79 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="6"> * 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor </td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 3		RCR 5		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	6'	72	0.83	71	0.90	22'	7'	56	0.65	44	0.56	26'	8'	38	0.44	30	0.38	Delivered Illuminance Rating: (DIR)		86 FC per W/Sq. Ft.		79 FC per W/Sq. Ft.		* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor					
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																																											
	8'	136 fc		3.9'	62 fc																																																																											
	10'	87 fc		4.9'	40 fc																																																																											
	12'	61 fc		5.9'	28 fc																																																																											
	14'	45 fc		6.9'	20 fc																																																																											
	16'	34 fc		7.9'	16 fc																																																																											
	20'	22 fc		9.9'	10 fc																																																																											
	24'	15 fc		11.8'	7 fc																																																																											
	28'	11 fc		13.8'	5 fc																																																																											
Ceiling Height	Fixture Spacing	RCR 3		RCR 5																																																																												
		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																																											
18'	6'	72	0.83	71	0.90																																																																											
22'	7'	56	0.65	44	0.56																																																																											
26'	8'	38	0.44	30	0.38																																																																											
Delivered Illuminance Rating: (DIR)		86 FC per W/Sq. Ft.		79 FC per W/Sq. Ft.																																																																												
* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor																																																																																
0° 8725	0° - 20° 1766 66%																																																																															
5° 8108	0° - 30° 2371 89%																																																																															
15° 3742	0° - 40° 2528 94%																																																																															
25° 1354	0° - 60° 2596 97%																																																																															
35° 247	0° - 80° 2670 100%																																																																															
45° 50	0° - 90° 2679 100%																																																																															
55° 37																																																																																
90° 1	Total 2679 100%																																																																															

Delivered Lumens: 2679
Luminaire Watts: 30.4
LER: 88.13

CP at 0° (Nadir): 8725
CRI: 80+

Beam Angle: 28°
Spacing Ratio: 0.46

Lumen Multiplier: 20L x 0.47, 30L x 0.73
CCT Multiplier: 27K x 0.96, 30K x 0.99, 40K x 1.04

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = $\frac{1}{2}$ Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> CP Candela at 0° (Nadir) Cos θ Cosine of θ Angle D Distance (Mounting Height AFF) FC_H Footcandles, Horizontal Beam Angle Cone of light to 50% max. CP Beam Diam. Pattern of light at Beam Angle 	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR*): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <ul style="list-style-type: none"> To estimate Fixture Quantity in a room: Fixture Qty. = Sq. Ft. of Rm. \div Sq. Ft. per fixture To estimate Watts/Sq. Ft.: W/ Sq. Ft. = Luminaire Watts x Qty. \div Sq. Ft. of Rm.

STT3PC 40L 35K WD XX

CANDLEPOWER CURVE TEST SP-00596_16_M-40L	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																
	0°	0° - 10° 561 20%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter at Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>100 fc</td><td>5.4'</td><td>42 fc</td></tr> <tr><td>10'</td><td>64 fc</td><td>6.7'</td><td>27 fc</td></tr> <tr><td>12'</td><td>44 fc</td><td>8.1'</td><td>19 fc</td></tr> <tr><td>14'</td><td>33 fc</td><td>9.4'</td><td>14 fc</td></tr> <tr><td>16'</td><td>25 fc</td><td>10.8'</td><td>11 fc</td></tr> <tr><td>20'</td><td>16 fc</td><td>13.5'</td><td>7 fc</td></tr> <tr><td>24'</td><td>11 fc</td><td>16.2'</td><td>5 fc</td></tr> <tr><td>28'</td><td>8 fc</td><td>18.9'</td><td>3 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	100 fc	5.4'	42 fc	10'	64 fc	6.7'	27 fc	12'	44 fc	8.1'	19 fc	14'	33 fc	9.4'	14 fc	16'	25 fc	10.8'	11 fc	20'	16 fc	13.5'	7 fc	24'	11 fc	16.2'	5 fc	28'	8 fc	18.9'	3 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>14'</td><td>6'</td><td>83</td><td>0.89</td><td>59</td><td>0.71</td></tr> <tr><td>18'</td><td>8'</td><td>43</td><td>0.47</td><td>31</td><td>0.37</td></tr> <tr><td>22'</td><td>10'</td><td>27</td><td>0.29</td><td>30</td><td>0.36</td></tr> </tbody> </table> <p>Delivered Illuminance Rating: (DIR) 93 FC per W/Sq. Ft. 84 FC per W/Sq. Ft.</p> <p>1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor</p>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	14'	6'	83	0.89	59	0.71	18'	8'	43	0.47	31	0.37	22'	10'	27	0.29	30	0.36
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																															
	8'	100 fc		5.4'	42 fc																																																															
	10'	64 fc		6.7'	27 fc																																																															
	12'	44 fc		8.1'	19 fc																																																															
	14'	33 fc		9.4'	14 fc																																																															
	16'	25 fc		10.8'	11 fc																																																															
	20'	16 fc		13.5'	7 fc																																																															
	24'	11 fc		16.2'	5 fc																																																															
	28'	8 fc		18.9'	3 fc																																																															
	Ceiling Height	Fixture Spacing		RCR 2		RCR 4																																																														
				FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																													
14'	6'	83	0.89	59	0.71																																																															
18'	8'	43	0.47	31	0.37																																																															
22'	10'	27	0.29	30	0.36																																																															
0°	0° - 20° 1664 60%	8'	100 fc	5.4'	42 fc	14'	6'	83	0.89	59	0.71																																																									
5°	0° - 30° 2426 88%	10'	64 fc	6.7'	27 fc	18'	8'	43	0.47	31	0.37																																																									
15°	0° - 40° 2599 94%	12'	44 fc	8.1'	19 fc	22'	10'	27	0.29	30	0.36																																																									
25°	0° - 60° 2676 97%	14'	33 fc	9.4'	14 fc	Delivered Illuminance Rating: (DIR) 93 FC per W/Sq. Ft. 84 FC per W/Sq. Ft.																																																														
35°	0° - 80° 2742 100%	16'	25 fc	10.8'	11 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor																																																														
45°	0° - 90° 2751 100%	20'	16 fc	13.5'	7 fc																																																															
55°	Total 2751 100%	24'	11 fc	16.2'	5 fc																																																															
90°		28'	8 fc	18.9'	3 fc																																																															

Delivered Lumens: 2751
Luminaire Watts: 30.4
LER: 90.49

CP at 0° (Nadir): 6396
CRI: 80+

Beam Angle: 37°
Spacing Ratio: 0.60

Lumen Multiplier: 20L x 0.47, 30L x 0.73
CCT Multiplier: 27K x 0.96, 30K x 0.99, 40K x 1.04

STT3PC 40L 35K XW XX NL

CANDLEPOWER CURVE TEST SP-00596_23	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																
	0°	0° - 10° 273 10%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter at Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>46 fc</td><td>9.8'</td><td>14 fc</td></tr> <tr><td>10'</td><td>29 fc</td><td>12.2'</td><td>9 fc</td></tr> <tr><td>12'</td><td>20 fc</td><td>14.6'</td><td>6 fc</td></tr> <tr><td>14'</td><td>15 fc</td><td>17.1'</td><td>5 fc</td></tr> <tr><td>16'</td><td>11 fc</td><td>19.5'</td><td>4 fc</td></tr> <tr><td>20'</td><td>7 fc</td><td>24.4'</td><td>2 fc</td></tr> <tr><td>24'</td><td>5 fc</td><td>29.3'</td><td>2 fc</td></tr> <tr><td>28'</td><td>4 fc</td><td>34.2'</td><td>1 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	46 fc	9.8'	14 fc	10'	29 fc	12.2'	9 fc	12'	20 fc	14.6'	6 fc	14'	15 fc	17.1'	5 fc	16'	11 fc	19.5'	4 fc	20'	7 fc	24.4'	2 fc	24'	5 fc	29.3'	2 fc	28'	4 fc	34.2'	1 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>14'</td><td>8'</td><td>36</td><td>0.40</td><td>32</td><td>0.40</td></tr> <tr><td>18'</td><td>10'</td><td>26</td><td>0.28</td><td>17</td><td>0.21</td></tr> <tr><td>22'</td><td>12'</td><td>16</td><td>0.17</td><td>18</td><td>0.23</td></tr> </tbody> </table> <p>Delivered Illuminance Rating: (DIR) 92 FC per W/Sq. Ft. 80 FC per W/Sq. Ft.</p> <p>1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor</p>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	14'	8'	36	0.40	32	0.40	18'	10'	26	0.28	17	0.21	22'	12'	16	0.17	18	0.23
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																															
	8'	46 fc		9.8'	14 fc																																																															
	10'	29 fc		12.2'	9 fc																																																															
	12'	20 fc		14.6'	6 fc																																																															
	14'	15 fc		17.1'	5 fc																																																															
	16'	11 fc		19.5'	4 fc																																																															
	20'	7 fc		24.4'	2 fc																																																															
	24'	5 fc		29.3'	2 fc																																																															
	28'	4 fc		34.2'	1 fc																																																															
	Ceiling Height	Fixture Spacing		RCR 2		RCR 4																																																														
				FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																													
14'	8'	36	0.40	32	0.40																																																															
18'	10'	26	0.28	17	0.21																																																															
22'	12'	16	0.17	18	0.23																																																															
0°	0° - 20° 973 35%	8'	46 fc	9.8'	14 fc	14'	8'	36	0.40	32	0.40																																																									
5°	0° - 30° 1889 68%	10'	29 fc	12.2'	9 fc	18'	10'	26	0.28	17	0.21																																																									
15°	0° - 40° 2515 90%	12'	20 fc	14.6'	6 fc	22'	12'	16	0.17	18	0.23																																																									
25°	0° - 60° 2762 99%	14'	15 fc	17.1'	5 fc	Delivered Illuminance Rating: (DIR) 92 FC per W/Sq. Ft. 80 FC per W/Sq. Ft.																																																														
35°	0° - 80° 2787 100%	16'	11 fc	19.5'	4 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor																																																														
45°	0° - 90° 2789 100%	20'	7 fc	24.4'	2 fc																																																															
55°	Total 2789 100%	24'	5 fc	29.3'	2 fc																																																															
90°		28'	4 fc	34.2'	1 fc																																																															

Delivered Lumens: 2789
Luminaire Watts: 30.3
LER: 92.05

CP at 0° (Nadir): 2925
CRI: 80+

Beam Angle: 63°
Spacing Ratio: 0.94

Lumen Multiplier: 20L x 0.47, 30L x 0.73
CCT Multiplier: 27K x 0.96, 30K x 0.99, 40K x 1.04

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_H = CP \times (\cos \theta) \div D^2$ $\text{Beam Diam.} = \frac{1}{2} \text{Beam Angle (Tan)} \times 2D$ <ul style="list-style-type: none"> CP Candela at 0° (Nadir) Cos θ Cosine of θ Angle D Distance (Mounting Height AFF) FC_H Footcandles, Horizontal Beam Angle Cone of light to 50% max. CP Beam Diam. Pattern of light at Beam Angle 	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR*): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <ul style="list-style-type: none"> To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ To estimate Watts/Sq. Ft.: $\text{W/Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$

STT3PC 40L 30HK ND xx xx MW NL

CANDLEPOWER CURVE TEST SP-01456_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																
	0°	0° - 10° 765 28%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter at Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>160 fc</td><td>3.3'</td><td>75 fc</td></tr> <tr><td>10'</td><td>103 fc</td><td>4.1'</td><td>48 fc</td></tr> <tr><td>12'</td><td>71 fc</td><td>5.0'</td><td>33 fc</td></tr> <tr><td>14'</td><td>52 fc</td><td>5.8'</td><td>25 fc</td></tr> <tr><td>16'</td><td>40 fc</td><td>6.6'</td><td>19 fc</td></tr> <tr><td>20'</td><td>26 fc</td><td>8.3'</td><td>12 fc</td></tr> <tr><td>24'</td><td>18 fc</td><td>9.9'</td><td>8 fc</td></tr> <tr><td>28'</td><td>13 fc</td><td>11.6'</td><td>6 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	160 fc	3.3'	75 fc	10'	103 fc	4.1'	48 fc	12'	71 fc	5.0'	33 fc	14'	52 fc	5.8'	25 fc	16'	40 fc	6.6'	19 fc	20'	26 fc	8.3'	12 fc	24'	18 fc	9.9'	8 fc	28'	13 fc	11.6'	6 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 4</th> <th colspan="2">RCR 6</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>18'</td><td>4'</td><td>158</td><td>2.16</td><td>146</td><td>2.17</td></tr> <tr><td>22'</td><td>5'</td><td>97</td><td>1.33</td><td>89</td><td>1.34</td></tr> <tr><td>26'</td><td>6'</td><td>65</td><td>0.90</td><td>60</td><td>0.90</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 4		RCR 6		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	4'	158	2.16	146	2.17	22'	5'	97	1.33	89	1.34	26'	6'	65	0.90	60	0.90
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																															
	8'	160 fc		3.3'	75 fc																																																															
	10'	103 fc		4.1'	48 fc																																																															
	12'	71 fc		5.0'	33 fc																																																															
	14'	52 fc		5.8'	25 fc																																																															
	16'	40 fc		6.6'	19 fc																																																															
	20'	26 fc		8.3'	12 fc																																																															
	24'	18 fc		9.9'	8 fc																																																															
	28'	13 fc		11.6'	6 fc																																																															
Ceiling Height	Fixture Spacing	RCR 4		RCR 6																																																																
		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																															
18'	4'	158	2.16	146	2.17																																																															
22'	5'	97	1.33	89	1.34																																																															
26'	6'	65	0.90	60	0.90																																																															
0° 10253	0° - 20° 1764 64%	8' 160 fc 3.3' 75 fc	18' 4' 158 2.16 146 2.17																																																																	
5° 8969	0° - 30° 2371 85%	10' 103 fc 4.1' 48 fc	22' 5' 97 1.33 89 1.34																																																																	
15° 3604	0° - 40° 2547 92%	12' 71 fc 5.0' 33 fc	26' 6' 65 0.90 60 0.90																																																																	
25° 1365	0° - 60° 2636 95%	14' 52 fc 5.8' 25 fc	Delivered Illuminance Rating: (DIR) 73 FC per W/Sq. Ft. 67 FC per W/Sq. Ft.																																																																	
35° 241	0° - 80° 2746 99%	16' 40 fc 6.6' 19 fc																																																																		
45° 48	0° - 90° 2762 100%	20' 26 fc 8.3' 12 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 RCR 6: Length & Width = Ceiling Ht. - 3.5' x 1.66 * Average Initial Footcandles at 2.5' Above Floor																																																																	
55° 49	Total 2775 100%	24' 18 fc 9.9' 8 fc																																																																		
90° 1		28' 13 fc 11.6' 6 fc																																																																		

Delivered Lumens: 2775
Luminaire Watts: 35
LER: 79.29

CP at 0° (Nadir): 10253
CRI: 90

Beam Angle: 23°
Spacing Ratio: 0.39

Lumen Multiplier: 10L x 0.24, 20L x 0.49, 30L x 0.73
CCT Multiplier: 27HK x 0.96, 35HK x 1.05, 40HK x 1.08

STT3PC 40L 30HK MD xx xx MW NL

CANDLEPOWER CURVE TEST SP-01455_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																																																
	0°	0° - 10° 702 25%	<table border="1"> <thead> <tr> <th>Mounting Distance</th> <th>FC at Beam Center</th> <th>Diameter at Beam Angle</th> <th>FC at Beam Edge</th> </tr> </thead> <tbody> <tr><td>8'</td><td>129 fc</td><td>4.2'</td><td>59 fc</td></tr> <tr><td>10'</td><td>83 fc</td><td>5.3'</td><td>37 fc</td></tr> <tr><td>12'</td><td>58 fc</td><td>6.3'</td><td>26 fc</td></tr> <tr><td>14'</td><td>42 fc</td><td>7.4'</td><td>19 fc</td></tr> <tr><td>16'</td><td>32 fc</td><td>8.4'</td><td>15 fc</td></tr> <tr><td>20'</td><td>21 fc</td><td>10.5'</td><td>9 fc</td></tr> <tr><td>24'</td><td>14 fc</td><td>12.6'</td><td>7 fc</td></tr> <tr><td>28'</td><td>11 fc</td><td>14.7'</td><td>5 fc</td></tr> </tbody> </table>	Mounting Distance	FC at Beam Center	Diameter at Beam Angle	FC at Beam Edge	8'	129 fc	4.2'	59 fc	10'	83 fc	5.3'	37 fc	12'	58 fc	6.3'	26 fc	14'	42 fc	7.4'	19 fc	16'	32 fc	8.4'	15 fc	20'	21 fc	10.5'	9 fc	24'	14 fc	12.6'	7 fc	28'	11 fc	14.7'	5 fc	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 3</th> <th colspan="2">RCR 5</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr><td>18'</td><td>6'</td><td>75</td><td>0.96</td><td>74</td><td>1.04</td></tr> <tr><td>22'</td><td>7'</td><td>58</td><td>0.75</td><td>45</td><td>0.64</td></tr> <tr><td>26'</td><td>8'</td><td>39</td><td>0.51</td><td>31</td><td>0.43</td></tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 3		RCR 5		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	18'	6'	75	0.96	74	1.04	22'	7'	58	0.75	45	0.64	26'	8'	39	0.51	31	0.43
	Mounting Distance	FC at Beam Center		Diameter at Beam Angle	FC at Beam Edge																																																															
	8'	129 fc		4.2'	59 fc																																																															
	10'	83 fc		5.3'	37 fc																																																															
	12'	58 fc		6.3'	26 fc																																																															
	14'	42 fc		7.4'	19 fc																																																															
	16'	32 fc		8.4'	15 fc																																																															
	20'	21 fc		10.5'	9 fc																																																															
	24'	14 fc		12.6'	7 fc																																																															
	28'	11 fc		14.7'	5 fc																																																															
Ceiling Height	Fixture Spacing	RCR 3		RCR 5																																																																
		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.																																																															
18'	6'	75	0.96	74	1.04																																																															
22'	7'	58	0.75	45	0.64																																																															
26'	8'	39	0.51	31	0.43																																																															
0° 8285	0° - 20° 1796 64%	8' 129 fc 4.2' 59 fc	18' 6' 75 0.96 74 1.04																																																																	
5° 7737	0° - 30° 2430 86%	10' 83 fc 5.3' 37 fc	22' 7' 58 0.75 45 0.64																																																																	
15° 4045	0° - 40° 2610 93%	12' 58 fc 6.3' 26 fc	26' 8' 39 0.51 31 0.43																																																																	
25° 1390	0° - 60° 2693 96%	14' 42 fc 7.4' 19 fc	Delivered Illuminance Rating: (DIR) 78 FC per W/Sq. Ft. 71 FC per W/Sq. Ft.																																																																	
35° 250	0° - 80° 2786 99%	16' 32 fc 8.4' 15 fc																																																																		
45° 55	0° - 90° 2801 100%	20' 21 fc 10.5' 9 fc	1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 3: Length & Width = Ceiling Ht. - 3.5' x 3.33 RCR 5: Length & Width = Ceiling Ht. - 3.5' x 2.00 * Average Initial Footcandles at 2.5' Above Floor																																																																	
55° 45	Total 2813 100%	24' 14 fc 12.6' 7 fc																																																																		
90° 3		28' 11 fc 14.7' 5 fc																																																																		

Delivered Lumens: 2813
Luminaire Watts: 35
LER: 80.37

CP at 0° (Nadir): 8285
CRI: 90

Beam Angle: 29°
Spacing Ratio: 0.49

Lumen Multiplier: 10L x 0.24, 20L x 0.49, 30L x 0.73
CCT Multiplier: 27HK x 0.96, 35HK x 1.05, 40HK x 1.08

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = 1/2 Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> • CP Candela at 0° (Nadir) • Cos θ Cosine of θ Angle • D Distance (Mounting Height AFF) • FC_H Footcandles, Horizontal • Beam Angle Cone of light to 50% max. CP • Beam Diam. Pattern of light at Beam Angle 	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR*): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> • To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): FC = Chart Spacing² ÷ Different Spacing² x Chart FC • To estimate Sq. Ft. per fixture for a specific target FC: Sq. Ft. / Fixture = Chart FC x Chart Spacing² ÷ Target FC <ul style="list-style-type: none"> • To estimate Fixture Quantity in a room: Fixture Qty. = Sq. Ft. of Rm. ÷ Sq. Ft. per fixture • To estimate Watts/Sq. Ft.: W/ Sq. Ft. = Luminaire Watts x Qty. ÷ Sq. Ft. of Rm.

STT3PC 40L 30HK WD xx xx MW NL

CANDLEPOWER CURVE TEST SP-01457_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																								
	0°	0° - 10° 526 18%	Mounting Distance	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr> <td>14'</td> <td>6'</td> <td>85</td> <td>1.03</td> <td>60</td> <td>0.81</td> </tr> <tr> <td>18'</td> <td>8'</td> <td>45</td> <td>0.54</td> <td>32</td> <td>0.43</td> </tr> <tr> <td>22'</td> <td>10'</td> <td>28</td> <td>0.33</td> <td>30</td> <td>0.41</td> </tr> <tr> <td colspan="2">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">83 FC per W/Sq. Ft.</td> <td colspan="2">74 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="6"> * 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor </td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	14'	6'	85	1.03	60	0.81	18'	8'	45	0.54	32	0.43	22'	10'	28	0.33	30	0.41	Delivered Illuminance Rating: (DIR)		83 FC per W/Sq. Ft.		74 FC per W/Sq. Ft.		* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor					
	Ceiling Height	Fixture Spacing	RCR 2				RCR 4																																					
			FC *		W/Sq. Ft.	FC *	W/Sq. Ft.																																					
	14'	6'	85		1.03	60	0.81																																					
	18'	8'	45		0.54	32	0.43																																					
	22'	10'	28		0.33	30	0.41																																					
	Delivered Illuminance Rating: (DIR)		83 FC per W/Sq. Ft.		74 FC per W/Sq. Ft.																																							
	* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor																																											
	0° 5915	0° - 20° 1613 56%	8' 92 fc 5.7' 39 fc																																									
	5° 5660	0° - 30° 2441 85%	10' 59 fc 7.1' 25 fc																																									
	15° 3928	0° - 40° 2657 93%	12' 41 fc 8.6' 17 fc																																									
	25° 1834	0° - 60° 2751 96%	14' 30 fc 10.0' 13 fc																																									
35° 250	0° - 80° 2836 99%	16' 23 fc 11.4' 10 fc																																										
45° 61	0° - 90° 2850 100%	20' 15 fc 14.3' 6 fc																																										
55° 52	Total 2862 100%	24' 10 fc 17.1' 4 fc																																										
90° 3		28' 8 fc 20.0' 3 fc																																										

Delivered Lumens: 2862
Luminaire Watts: 35
LER: 81.77

CP at 0° (Nadir): 5915
CRI: 90

Beam Angle: 39°
Spacing Ratio: 0.62

Lumen Multiplier: 10L x 0.24, 20L x 0.49, 30L x 0.73
CCT Multiplier: 27HK x 0.96, 35HK x 1.05, 40HK x 1.08

STT3PC 40L 30HK XW xx xx MW NL

CANDLEPOWER CURVE TEST SP-01458_2	INTENSITY CANDELA 0° AZIMUTH	ZONAL LUMENS	SINGLE UNIT: PERFORMANCE HORIZONTAL FOOTCANDLES INITIAL DOWNLIGHT ONLY	MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES HORIZONTAL FOOTCANDLES AND WATTS/SQ FT																																								
	0°	0° - 10° 238 9%	Mounting Distance	<table border="1"> <thead> <tr> <th rowspan="2">Ceiling Height</th> <th rowspan="2">Fixture Spacing</th> <th colspan="2">RCR 2</th> <th colspan="2">RCR 4</th> </tr> <tr> <th>FC *</th> <th>W/Sq. Ft.</th> <th>FC *</th> <th>W/Sq. Ft.</th> </tr> </thead> <tbody> <tr> <td>14'</td> <td>8'</td> <td>32</td> <td>0.46</td> <td>28</td> <td>0.46</td> </tr> <tr> <td>18'</td> <td>10'</td> <td>23</td> <td>0.33</td> <td>15</td> <td>0.24</td> </tr> <tr> <td>22'</td> <td>12'</td> <td>14</td> <td>0.20</td> <td>16</td> <td>0.26</td> </tr> <tr> <td colspan="2">Delivered Illuminance Rating: (DIR)</td> <td colspan="2">71 FC per W/Sq. Ft.</td> <td colspan="2">61 FC per W/Sq. Ft.</td> </tr> <tr> <td colspan="6"> * 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor </td> </tr> </tbody> </table>	Ceiling Height	Fixture Spacing	RCR 2		RCR 4		FC *	W/Sq. Ft.	FC *	W/Sq. Ft.	14'	8'	32	0.46	28	0.46	18'	10'	23	0.33	15	0.24	22'	12'	14	0.20	16	0.26	Delivered Illuminance Rating: (DIR)		71 FC per W/Sq. Ft.		61 FC per W/Sq. Ft.		* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor					
	Ceiling Height	Fixture Spacing	RCR 2				RCR 4																																					
			FC *		W/Sq. Ft.	FC *	W/Sq. Ft.																																					
	14'	8'	32		0.46	28	0.46																																					
	18'	10'	23		0.33	15	0.24																																					
	22'	12'	14		0.20	16	0.26																																					
	Delivered Illuminance Rating: (DIR)		71 FC per W/Sq. Ft.		61 FC per W/Sq. Ft.																																							
	* 1' Suspension Length to luminous aperture Square rooms used for multiple units: RCR 2: Length & Width = Ceiling Ht. - 3.5' x 5.00 RCR 4: Length & Width = Ceiling Ht. - 3.5' x 2.50 * Average Initial Footcandles at 2.5' Above Floor																																											
	0° 2535	0° - 20° 866 34%	8' 40 fc 8.9' 13 fc																																									
	5° 2491	0° - 30° 1634 65%	10' 25 fc 11.1' 8 fc																																									
	15° 2232	0° - 40° 2041 81%	12' 18 fc 13.3' 6 fc																																									
	25° 1729	0° - 60° 2399 95%	14' 13 fc 15.5' 4 fc																																									
35° 619	0° - 80° 2502 99%	16' 10 fc 17.7' 3 fc																																										
45° 294	0° - 90° 2514 100%	20' 6 fc 22.1' 2 fc																																										
55° 153	Total 2525 100%	24' 4 fc 26.6' 1 fc																																										
90° 2		28' 3 fc 31.0' 1 fc																																										

Delivered Lumens: 2525
Luminaire Watts: 35
LER: 72.14

CP at 0° (Nadir): 2535
CRI: 90

Beam Angle: 58°
Spacing Ratio: 0.93

Lumen Multiplier: 10L x 0.24, 20L x 0.49, 30L x 0.73
CCT Multiplier: 27HK x 0.96, 35HK x 1.05, 40HK x 1.08

HOW TO USE PERFORMANCE DATA

SINGLE UNIT	MULTIPLE UNITS
<p>Cone of Light of a single, symmetrical beam luminaire. Direct initial illumination (FC) and Beam Angle diameter directly beneath fixture; shown at different distances from aperture to horizontal plane. Calculated using Inverse Square Law.</p> $FC_H = CP \times (\cos \theta) \div D^2$ <p>Beam Diam. = 1/2 Beam Angle (Tan) x 2D</p> <ul style="list-style-type: none"> CP Candela at 0° (Nadir) cos θ Cosine of θ Angle D Distance (Mounting Height AFF) FC_H Footcandles, Horizontal Beam Angle Cone of light to 50% max. CP Beam Diam. Pattern of light at Beam Angle 	<p>Square grid layout of multiple luminaires in unfurnished, square rooms of different proportions (Room Cavity Ratios) with 80/50/20% room surface reflectances. 2' Suspension Length to aperture. Initial average illumination (FC) calculated at 2.5' above floor, using Zonal Cavity Method. W/Sq. Ft. of layout shown for each ceiling height and RCR.</p> <p>Delivered Illuminance Rating (DIR*): System performance indicator expressed as ratio of approximate initial FC per W/Sq. Ft. delivered to horizontal plane below, for the range of ceiling heights indicated.</p> <ul style="list-style-type: none"> To estimate FC for Fixture Spacing that is different than shown (do not exceed Spacing Ratio): $FC = \text{Chart Spacing}^2 \div \text{Different Spacing}^2 \times \text{Chart FC}$ To estimate Sq. Ft. per fixture for a specific target FC: $\text{Sq. Ft.} / \text{Fixture} = \text{Chart FC} \times \text{Chart Spacing}^2 \div \text{Target FC}$ <ul style="list-style-type: none"> To estimate Fixture Quantity in a room: $\text{Fixture Qty.} = \text{Sq. Ft. of Rm.} \div \text{Sq. Ft. per fixture}$ To estimate Watts/Sq. Ft.: $\text{W/Sq. Ft.} = \text{Luminaire Watts} \times \text{Qty.} \div \text{Sq. Ft. of Rm.}$