

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_45 ~ C1320YKSSXT-120LXXK-NDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_45_M-120L

[TESTLAB] Photopia 2017.2.1 see: www.ltiopics.com/ies

[ISSUE DATE]

[TEST DATE] 8/16/2017

[UPDATE] 11/08/2017

[MANUFAC] Spectrum Lighting

[LUMCAT] C1320YKSSXT-120L-xxK-ND-EX-MBI

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Narrow Beam

[OTHER] Integral Straight 3" Matte Black (interior) Deep Snoot for Additional Cutoff

[OTHER] Nom. 13" Diam. Cylinder / Nom. 13" Diam Snoot Opening

[OTHER] Matte Black regressed faceplate w/ (4) openings for LEDXT optics

[OTHER] Four (4) LEDXT Reflector modules per Luminaire

[OTHER] 24.5 Degree Beam Angle, 45.7 Degree Field Angle

[LAMPCAT] LED 3000lm

[LAMP] N/A, 19mm

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available CCT's

[OTHER] This report prepared by Spectrum Lighting, scaled from 200L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9627
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	138.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.42
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.25 ft (Diameter)
Luminous Width (90-270)	1.25 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_45 ~ C1320YKSSXT-120LXXK-NDEX-MBI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	419	574	444
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_45 ~ C1320YKSSXT-120LXXK-NDEX-MBI.IES

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	42579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834
5	36458.2283	6838.5433	6020.3593	6636.8363	6550.3753	6153.1283	6207.4873	6505.3873	6173.5283	6455.551
10	26863.3512	6721.3482	7071.1202	7179.4662	7113.9282	7156.0622	6631.9362	6719.7942	6894.5822	7182.570
15	14481.3181	4181.4091	4452.9451	4415.3241	4266.8721	4401.6331	4363.0951	4362.6931	4344.9331	4181.570
20	5525.616	5606.688	5542.410	5632.560	5687.364	5798.952	5910.390	6032.838	6131.892	6140.412
25	3286.146	3251.604	3329.472	3285.030	3161.862	2974.620	2736.876	2543.394	2493.672	2370.108
30	2535.114	2372.610	2185.722	1947.750	1899.606	1747.602	1757.754	1733.988	1831.530	1808.904
35	670.050	749.886	992.022	1100.238	1208.028	1191.486	1201.920	1171.362	1226.076	1188.354
40	242.142	218.874	229.884	238.008	296.922	360.006	435.804	462.570	454.386	461.706
45	33.810	30.936	33.888	30.042	30.936	33.438	27.984	36.192	43.122	46.314
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles Horizontal Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	42579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834	2579.5834
5	36169.9163	6176.2163	6917.2163	6557.1253	6336.4873	6739.0213	6815.0473	6786.5663	6690.571
10	27005.4662	7007.1052	7113.7622	7085.4402	7129.9362	7156.7512	7207.0552	7076.1892	6783.478
15	14343.2291	4309.4791	4279.3771	4374.2971	4325.0241	4190.3431	4313.5591	4390.8571	4042.514
20	6090.690	6055.356	5980.158	5799.708	5844.468	5675.700	5530.062	5535.444	5521.428
25	2365.560	2533.752	2704.506	3000.828	3176.280	3324.024	3226.134	3224.874	3259.704
30	1749.822	1742.880	1778.754	1795.722	1858.536	2007.210	2253.912	2318.868	2509.974
35	1182.252	1184.796	1166.310	1184.580	1237.572	1064.778	943.074	761.688	684.006
40	483.384	450.384	446.424	379.848	283.902	231.558	227.340	228.510	226.944
45	43.920	34.752	34.056	35.178	30.120	33.294	37.104	34.554	35.850
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_45 ~ C1320YKSSXT-120LXXK-NDEX-MBI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	7327.18	N.A.	76.10
0-30	8865.58	N.A.	92.10
0-40	9550.32	N.A.	99.20
0-60	9626.89	N.A.	100.00
0-80	9626.89	N.A.	100.00
0-90	9626.89	N.A.	100.00
10-90	6410.4	N.A.	66.60
20-40	2223.15	N.A.	23.10
20-50	2299.71	N.A.	23.90
40-70	76.56	N.A.	0.80
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	9626.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3216.49
10-20	4110.69
20-30	1538.41
30-40	684.74
40-50	76.56
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_45 ~ C1320YKSSXT-120LXXK-NDEX-MBI.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

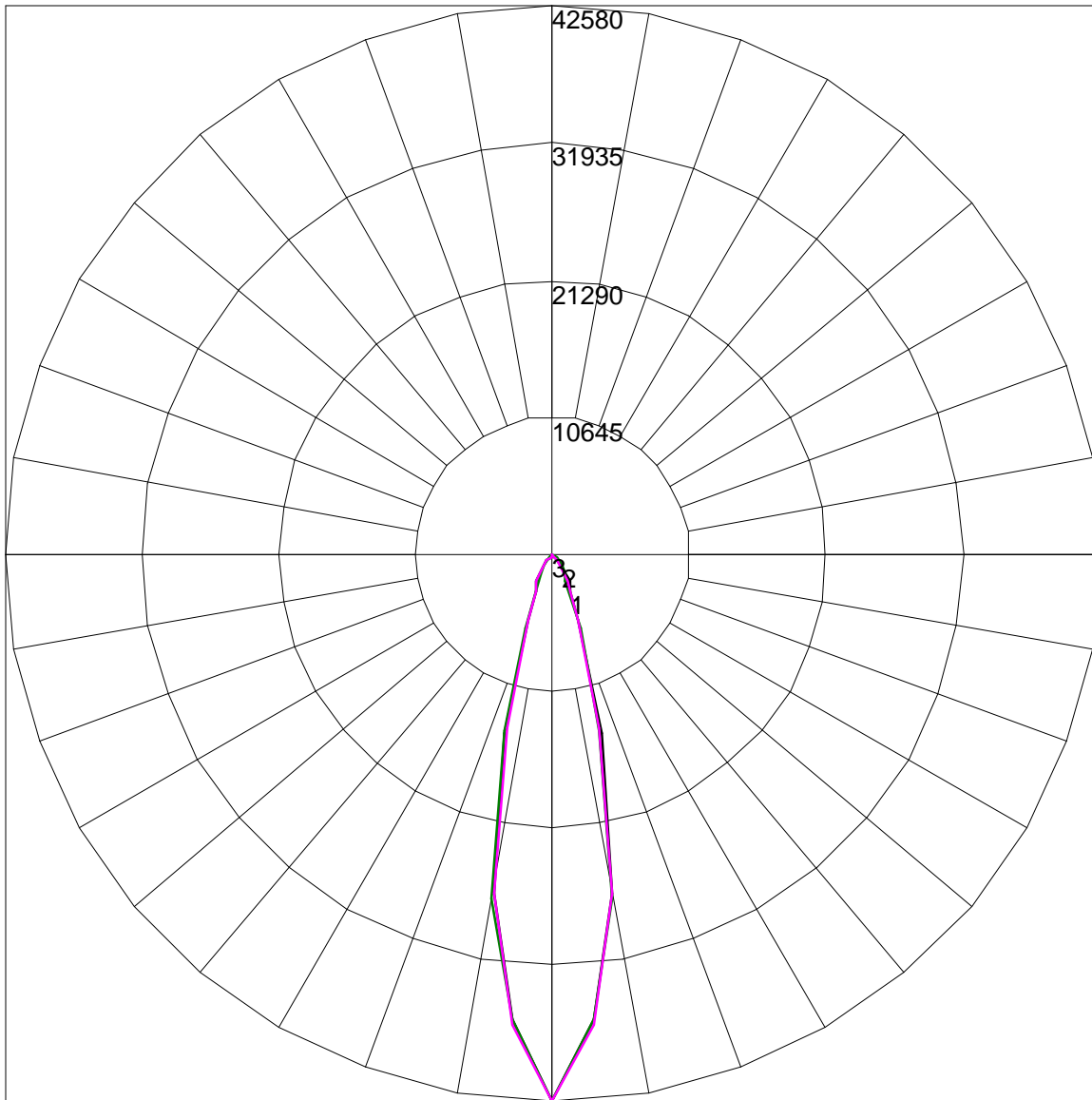
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	90	88	86
5	101	95	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	84
6	98	91	87	84	96	90	86	83	89	86	83	88	85	82	87	84	82	81
7	95	88	84	81	94	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	77	83	80	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	73	72

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_45 ~ C1320YKSSXT-120LXXK-NDEX-MBI.IES

POLAR GRAPH



Maximum Candela = 42579.583 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)