

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_34 ~ C1320YKSSXT-120LXXK-MDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_34

[TESTLAB] Photopia 2017.2.0 see: www.ltiopics.com/ies

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/01/2017

[UPDATE] 11/07/2017

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

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Medium 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] 34.4 Degree Beam Angle, 69 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7325
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	138.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.54
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.08 ft (Diameter)
Luminous Width (90-270)	1.08 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9854	5174	9326
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78
5	14118.26	14227.47	14246.04	14128.35	14554.02	14378.21	14168.85	14177.16	14057.28	14386.81
10	12025.77	12233.05	12312.27	12368.09	12180.84	12238.45	12093.25	12454.70	12401.73	12219.26
15	8890.63	8687.85	8669.02	8923.40	8782.88	8912.54	8932.66	8989.30	8902.50	8970.67
20	6238.22	6307.24	6247.00	6241.72	6169.25	6426.06	6501.73	6392.26	6472.08	6559.13
25	4705.80	4683.92	4873.90	4618.92	4503.24	4226.77	4064.59	3947.08	3761.69	3745.41
30	3215.64	3099.74	2976.26	2725.66	2582.93	2578.50	2509.66	2568.85	2542.19	2600.16
35	983.93	1136.85	1332.06	1627.65	1814.53	1861.53	1833.27	1882.08	1849.58	1847.27
40	789.46	782.34	750.82	820.83	896.91	1063.23	1237.95	1372.41	1571.06	1628.76
45	596.87	618.24	605.42	570.86	571.52	552.48	458.23	388.34	316.16	313.37
50	67.17	61.67	49.66	28.85	12.11	2.16	0.18	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78	15466.78
5	14428.49	14442.70	13956.90	14104.78	14277.21	14066.30	14555.81	13838.66	14287.67
10	12307.35	12224.26	12291.65	12273.83	12330.29	12253.96	12238.52	12168.76	12234.22
15	8988.91	8938.26	8925.95	8826.44	8759.55	8911.52	8684.53	8740.83	8580.16
20	6399.30	6297.55	6283.44	6331.16	6408.21	6376.46	6251.22	6212.65	6335.24
25	3834.10	3999.24	4047.17	4325.57	4464.44	4716.73	4855.22	4735.20	4842.33
30	2570.18	2504.69	2505.45	2607.30	2606.11	2785.36	2899.07	3137.55	3144.58
35	1931.10	1876.93	1811.20	1845.84	1782.90	1688.25	1374.90	1165.40	1016.93
40	1558.57	1409.85	1260.77	1007.18	904.68	760.85	834.51	799.36	805.20
45	327.12	409.68	461.10	542.93	580.20	590.43	590.43	625.67	564.87
50	0.00	0.00	0.00	2.38	8.89	28.01	48.37	63.31	65.58
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Zone	Lumens	%Lamp	%Fixt
0-20	3807.17	N.A.	52.00
0-30	5821.88	N.A.	79.50
0-40	6920.53	N.A.	94.50
0-60	7325.18	N.A.	100.00
0-80	7325.18	N.A.	100.00
0-90	7325.18	N.A.	100.00
10-90	6022.3	N.A.	82.20
20-40	3113.36	N.A.	42.50
20-50	3513.51	N.A.	48.00
40-70	404.65	N.A.	5.50
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	7325.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1302.88
10-20	2504.29
20-30	2014.71
30-40	1098.65
40-50	400.15
50-60	4.49
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

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

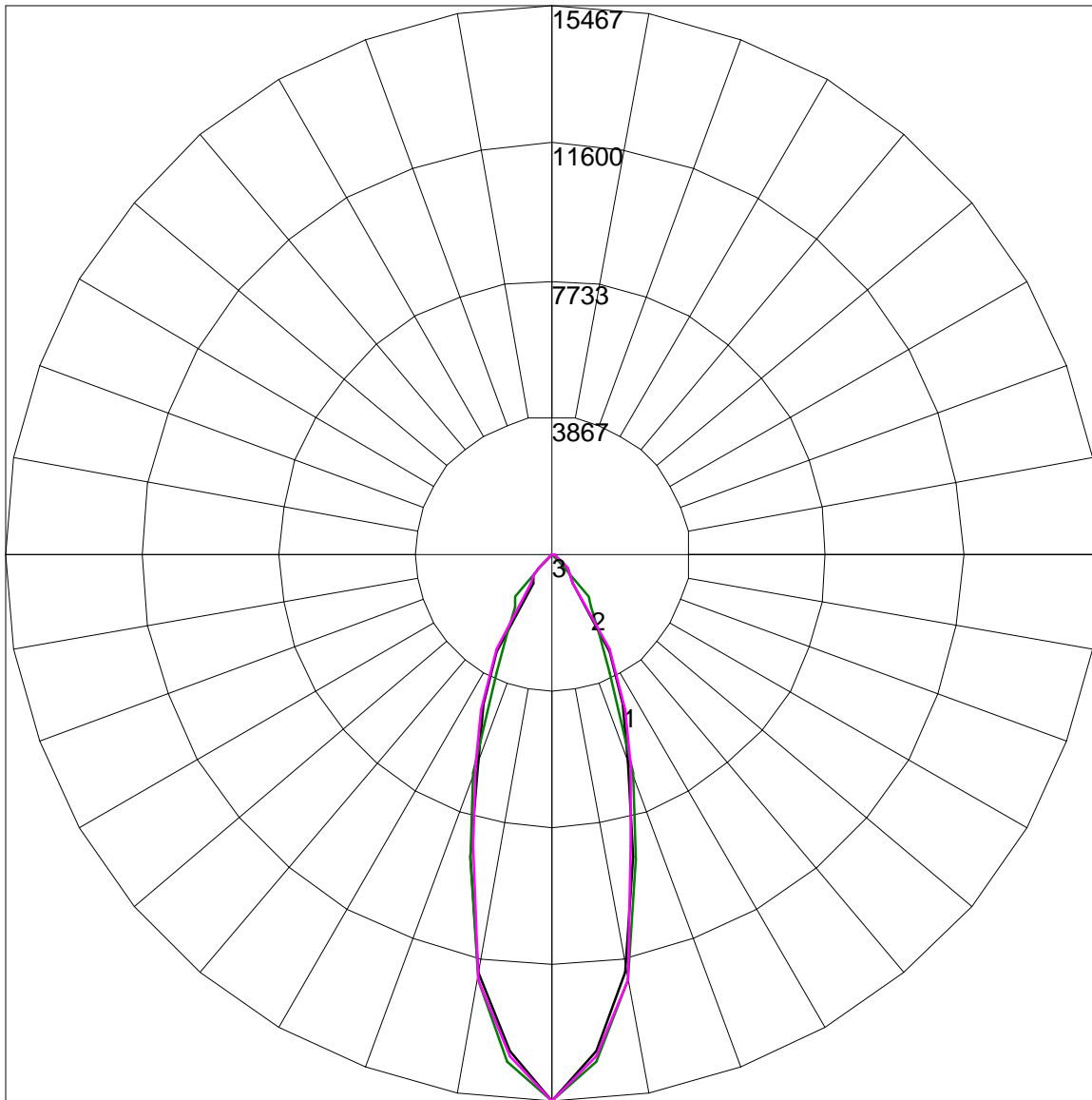
Effective Floor Cavity Reflectance 0.20

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	80	72	67	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60	67	62	60	66	62	59	58

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POLAR GRAPH



Maximum Candela = 15466.78 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)