

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_34 ~ C1320YKSSXT-80LXXK-MDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_34_M-80L

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

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 8/01/2017

[UPDATE] 11/07/2017

[LUMCAT] C1320YKSSXT-80L-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 2000lm

[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 120L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4884
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	94.8
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	6570	3449	6217
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	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700
5	9412.644	9485.454	9497.835	9419.371	9703.165	9585.953	9446.372	9451.913	9371.989	9591.686
10	8017.581	8155.775	8208.590	8245.806	8120.966	8159.375	8062.570	8303.549	8268.233	8146.581
15	5927.383	5792.190	5779.636	5949.231	5855.546	5941.990	5955.404	5993.166	5935.297	5980.746
20	4159.021	4205.037	4164.875	4161.355	4113.039	4284.254	4334.703	4261.720	4314.936	4372.972
25	3137.357	3122.769	3249.429	3079.434	3002.310	2817.988	2709.862	2631.518	2507.919	2497.065
30	2143.867	2066.597	1984.273	1817.198	1722.039	1719.086	1673.190	1712.652	1694.878	1733.527
35	655.986	757.938	888.084	1085.154	1209.747	1241.082	1222.241	1254.783	1233.115	1231.575
40	526.333	521.586	500.572	547.247	597.970	708.855	825.341	914.986	1047.426	1085.894
45	397.933	412.181	403.634	380.592	381.032	368.338	305.502	258.906	210.784	208.924
50	44.782	41.115	33.108	19.234	8.074	1.440	0.120	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	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700	10311.700
5	9619.474	9628.948	9305.065	9403.657	9518.616	9378.002	9704.359	9226.235	9525.590
10	8205.310	8149.914	8194.843	8182.963	8220.604	8169.715	8159.421	8112.912	8156.555
15	5992.906	5959.138	5950.931	5884.588	5839.992	5941.310	5789.976	5827.511	5720.393
20	4266.413	4198.577	4189.169	4220.984	4272.354	4251.186	4167.688	4141.974	4223.705
25	2556.194	2666.293	2698.248	2883.858	2976.442	3144.644	3236.975	3156.958	3228.381
30	1713.539	1669.877	1670.384	1738.287	1737.494	1857.000	1932.810	2091.805	2096.492
35	1287.464	1251.349	1207.527	1230.622	1188.659	1125.556	916.646	776.972	677.987
40	1039.099	939.947	840.555	671.487	603.150	507.259	556.368	532.933	536.827
45	218.091	273.134	307.415	361.971	386.819	393.640	393.640	417.134	376.599
50	0.000	0.000	0.000	1.587	5.927	18.674	32.248	42.209	43.722
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

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Zone	Lumens	%Lamp	%Fixt
0-20	2538.24	N.A.	52.00
0-30	3881.45	N.A.	79.50
0-40	4613.92	N.A.	94.50
0-60	4883.7	N.A.	100.00
0-80	4883.69	N.A.	100.00
0-90	4883.7	N.A.	100.00
10-90	4015.07	N.A.	82.20
20-40	2075.68	N.A.	42.50
20-50	2342.46	N.A.	48.00
40-70	269.78	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	4883.7	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	868.63
10-20	1669.61
20-30	1343.21
30-40	732.47
40-50	266.78
50-60	3.00
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

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

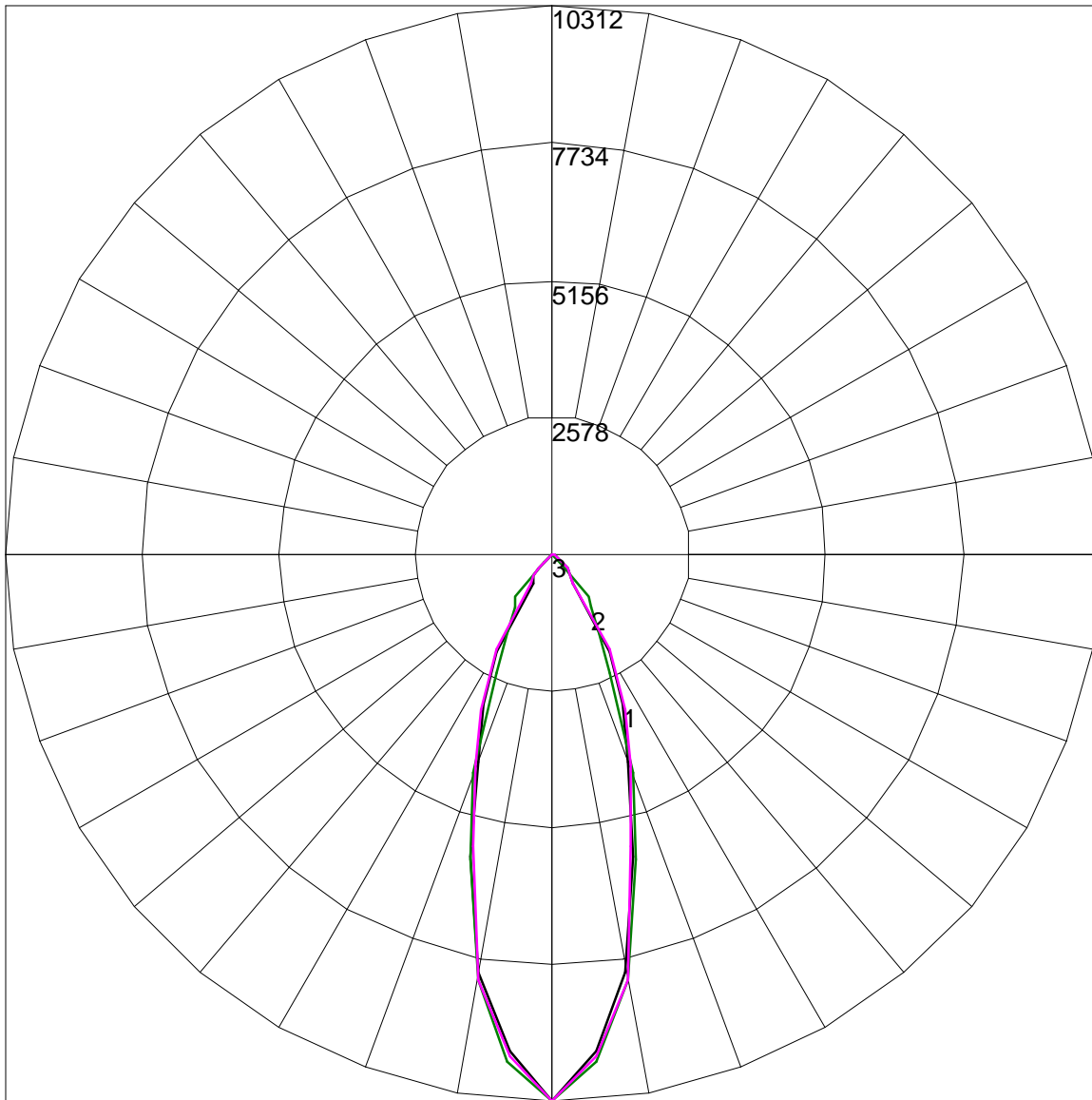
Effective Floor Cavity Reflectance 0.20

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 = 10311.7 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)