

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_34 ~ C1320YKSSXT-52LXXK-MDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_34_M-52L

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

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 8/01/2017

[UPDATE] 11/07/2017

[LUMCAT] C1320YKSSXT-52L-30HK-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 1300lm

[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	3174
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	60
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	4270	2242	4041
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	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756
5	6117.442	6164.763	6172.809	6121.814	6306.257	6230.078	6139.363	6142.963	6091.019	6233.805
10	5210.766	5300.580	5334.906	5359.093	5277.958	5302.920	5240.005	5396.621	5373.669	5294.605
15	3852.310	3764.445	3756.286	3866.509	3805.622	3861.803	3870.521	3895.064	3857.453	3886.991
20	2703.021	2732.927	2706.825	2704.537	2673.136	2784.412	2817.200	2769.766	2804.352	2842.071
25	2039.023	2029.542	2111.861	2001.378	1951.254	1831.459	1761.187	1710.270	1629.940	1622.886
30	1393.337	1343.117	1289.613	1181.028	1119.184	1117.264	1087.436	1113.083	1101.531	1126.649
35	426.337	492.597	577.182	705.261	786.236	806.601	794.356	815.505	801.423	800.422
40	342.073	338.988	325.330	355.666	388.631	460.698	536.404	594.665	680.740	705.742
45	258.624	267.883	262.328	247.354	247.640	239.390	198.551	168.268	136.992	135.783
50	29.105	26.722	21.518	12.501	5.247	0.936	0.078	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	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756	6701.756
5	6251.865	6258.022	6047.525	6111.601	6186.315	6094.928	6307.032	5996.291	6190.847
10	5332.775	5296.772	5325.972	5318.250	5342.715	5309.641	5302.951	5272.724	5301.087
15	3894.895	3872.948	3867.614	3824.496	3795.513	3861.362	3763.007	3787.402	3717.783
20	2772.817	2728.728	2722.614	2743.292	2776.677	2762.920	2708.654	2691.941	2745.059
25	1661.315	1732.871	1753.639	1874.269	1934.442	2043.759	2103.767	2051.762	2098.182
30	1113.659	1085.282	1085.611	1129.743	1129.227	1206.896	1256.167	1359.500	1362.546
35	836.746	813.274	784.793	799.802	772.531	731.519	595.744	504.968	440.636
40	675.328	610.888	546.292	436.411	391.998	329.676	361.593	346.363	348.893
45	141.741	177.514	199.795	235.252	251.401	255.833	255.833	271.103	244.758
50	0.000	0.000	0.000	1.031	3.852	12.137	20.959	27.432	28.416
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	1649.65	N.A.	52.00
0-30	2522.62	N.A.	79.50
0-40	2998.67	N.A.	94.50
0-60	3174.00	N.A.	100.00
0-80	3174.00	N.A.	100.00
0-90	3174.00	N.A.	100.00
10-90	2609.46	N.A.	82.20
20-40	1349.02	N.A.	42.50
20-50	1522.41	N.A.	48.00
40-70	175.33	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	3174.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	564.54
10-20	1085.11
20-30	872.97
30-40	476.04
40-50	173.39
50-60	1.95
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

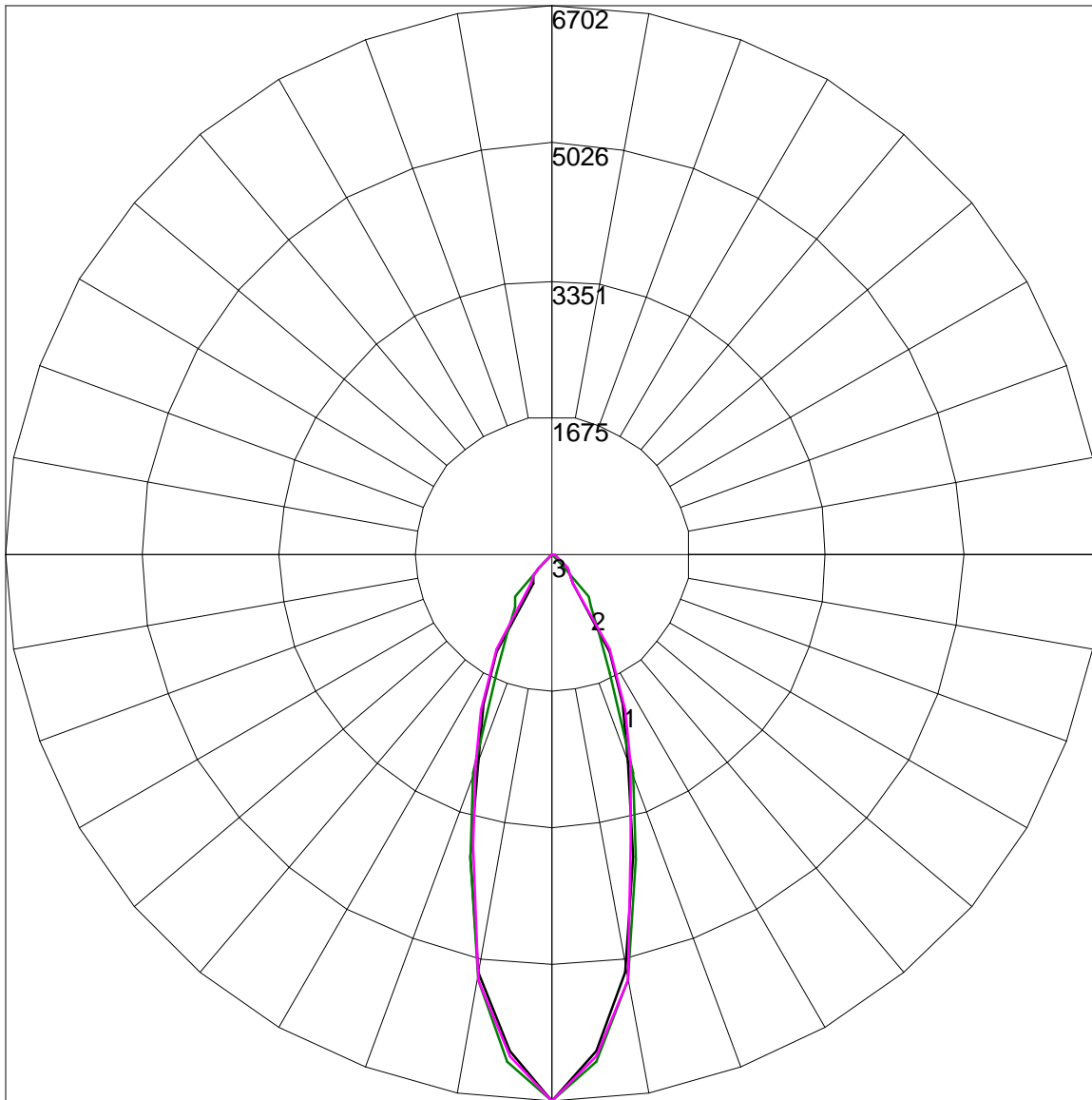
Effective Floor Cavity Reflectance 0.20

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 = 6701.756 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)