

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_36 ~ C1320YKFSXT-52LXXK-MDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_36_M-52L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/1/2017

[UPDATE] 11/03/2017

[LUMCAT] C1320YKFSXT-52L-xxK-MD-EX-MBI

[LUMINAIRE] Nom. 15" Diam. x 25" H Cylinder Downlight, Yoke Mounted, Medium Beam

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

[OTHER] Nom. 13" Diam. Cylinder / Nom. 15" Diam Snoot Opening

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

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

[OTHER] 36.9 Degree Beam Angle, 84.1 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.72
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3885	6594	3369
55	242	148	239
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	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538
5	6390.564	6079.563	6109.309	5991.131	6133.314	6173.693	6214.817	6154.173	6152.206	6126.156
10	5252.796	5313.493	5286.702	5305.962	5337.203	5265.700	5367.443	5305.589	5255.140	5305.711
15	3974.860	3879.712	3933.827	3960.436	3892.823	3926.300	3970.813	3919.142	3965.271	3952.138
20	3072.691	3216.264	3121.307	3081.352	3046.801	3139.683	3169.958	3114.634	3144.280	3114.058
25	2491.666	2540.070	2595.138	2607.621	2587.611	2589.405	2624.962	2619.411	2649.855	2656.411
30	1714.906	1697.102	1748.534	1761.715	1808.031	1804.352	1833.271	1884.643	1950.075	1928.631
35	1173.584	1237.704	1244.568	1245.404	1206.099	1131.307	1006.942	965.977	923.024	917.175
40	948.884	940.231	855.048	788.602	737.884	708.762	699.662	670.285	700.126	711.882
45	313.454	363.287	412.064	465.633	512.902	527.261	525.129	525.155	527.304	532.118
50	97.631	109.651	110.132	115.370	128.079	159.229	189.937	209.423	227.045	223.669
55	15.841	12.405	14.719	14.290	16.543	12.397	12.206	12.496	12.163	9.680
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	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538	6705.538
5	6188.620	6062.478	6149.684	6072.942	6187.844	6129.934	6008.705	6198.166	6278.318
10	5271.939	5321.457	5262.662	5235.880	5325.500	5298.834	5254.408	5311.331	5374.419
15	3930.170	4028.230	3980.870	3845.828	3934.056	3985.602	3941.002	3877.944	3876.007
20	3112.779	3126.082	3112.775	3136.247	3119.192	3143.171	3133.526	3143.778	3118.971
25	2635.543	2628.419	2601.472	2578.040	2580.254	2608.782	2561.648	2546.565	2519.895
30	1952.632	1887.294	1842.682	1835.671	1779.307	1745.770	1722.549	1714.373	1709.247
35	942.224	985.207	1018.394	1102.488	1177.484	1253.502	1231.863	1234.346	1206.000
40	692.738	696.941	705.854	710.395	755.515	785.486	889.357	959.136	980.931
45	549.849	553.376	514.409	544.645	516.095	492.211	403.537	339.807	271.887
50	230.503	208.985	197.186	154.315	124.899	109.179	105.578	105.691	112.043
55	9.689	9.775	13.883	13.900	14.381	14.490	15.226	14.880	15.668
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	1692.26	N.A.	42.40
0-30	2850.05	N.A.	71.30
0-40	3595.57	N.A.	90.00
0-60	3995.78	N.A.	100.00
0-80	3995.78	N.A.	100.00
0-90	3995.78	N.A.	100.00
10-90	3433.24	N.A.	85.90
20-40	1903.32	N.A.	47.60
20-50	2263.59	N.A.	56.60
40-70	400.21	N.A.	10.00
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	3995.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	562.55
10-20	1129.71
20-30	1157.8
30-40	745.52
40-50	360.27
50-60	39.94
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

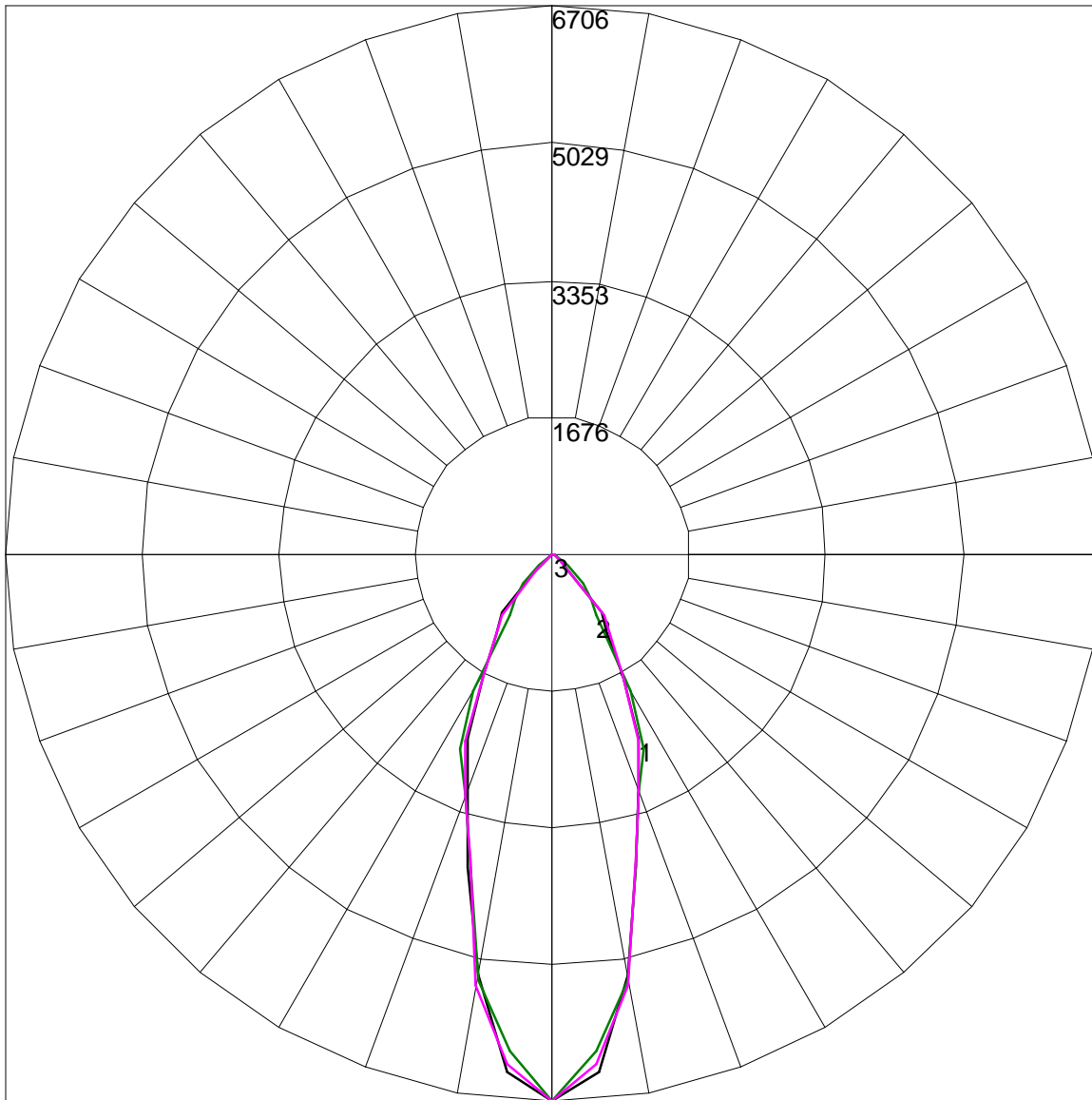
Effective Floor Cavity Reflectance 0.20

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	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	82	79	83	80	78	76
5	93	85	79	75	91	84	79	75	82	78	74	81	76	73	79	75	73	71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63
8	80	71	65	61	79	71	65	61	69	64	61	68	64	61	67	63	60	59
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 6705.538 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)