

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_53 ~ C1320YKSSXT-52LXXK-XWEX-MBI .IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_53_M-52L

[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-52L-xxK-XW-EX-MBI

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Xtra Wide 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] 46.8 Degree Beam Angle, 77.4 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 200L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3264
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.76
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	2556	1634	2580
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	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656
5	4847.874	4766.741	4792.034	4864.267	4821.495	4850.105	4727.726	4878.565	4745.130	4831.457
10	4625.569	4562.951	4510.246	4536.152	4553.832	4499.242	4457.388	4559.432	4529.780	4526.995
15	4084.322	4135.830	4137.057	4091.409	4071.881	4061.262	4146.737	4093.307	4176.762	4157.361
20	3080.332	3032.112	3005.114	3026.961	3091.090	3083.059	3137.898	3154.512	3146.957	3171.490
25	2308.020	2278.445	2269.316	2285.613	2233.161	2112.245	2018.468	1919.515	1904.586	1872.356
30	1616.191	1577.992	1455.948	1391.291	1329.380	1252.729	1278.657	1280.924	1267.898	1276.980
35	701.225	711.906	813.223	877.656	933.054	936.686	965.016	945.316	936.073	909.771
40	356.494	393.710	359.291	373.664	401.609	484.999	556.481	623.282	684.219	693.625
45	206.255	199.160	201.830	194.735	207.792	194.158	178.768	147.459	141.482	131.836
50	21.330	26.312	19.950	13.528	4.688	0.796	0.081	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	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656	4782.656
5	4737.525	4760.205	4855.734	4852.302	4907.952	4853.391	4871.139	4868.003	4770.402
10	4534.881	4542.829	4559.367	4535.936	4600.468	4539.977	4466.423	4559.539	4502.167
15	4119.845	4138.503	4078.105	4089.298	4100.262	4100.338	4131.350	4064.881	4156.225
20	3145.347	3143.194	3120.062	3033.815	3067.423	3031.142	2962.606	3009.045	2997.896
25	1873.196	1918.142	1970.400	2125.900	2192.601	2327.777	2285.572	2303.283	2286.492
30	1256.304	1281.067	1277.216	1270.792	1317.454	1382.014	1448.294	1579.406	1572.724
35	918.486	907.637	968.274	963.063	927.269	890.009	809.286	694.411	711.747
40	678.735	617.100	564.166	460.203	421.296	399.981	370.851	378.433	382.879
45	134.254	146.440	171.023	196.703	204.428	209.469	204.786	203.338	208.208
50	0.000	0.000	0.000	0.567	5.915	13.078	18.182	23.351	27.011
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	1555.06	N.A.	47.60
0-30	2541.24	N.A.	77.80
0-40	3099.63	N.A.	95.00
0-60	3264.44	N.A.	100.00
0-80	3264.44	N.A.	100.00
0-90	3264.44	N.A.	100.00
10-90	2814.88	N.A.	86.20
20-40	1544.58	N.A.	47.30
20-50	1707.56	N.A.	52.30
40-70	164.80	N.A.	5.00
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	3264.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	449.56
10-20	1105.5
20-30	986.18
30-40	558.39
40-50	162.99
50-60	1.82
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

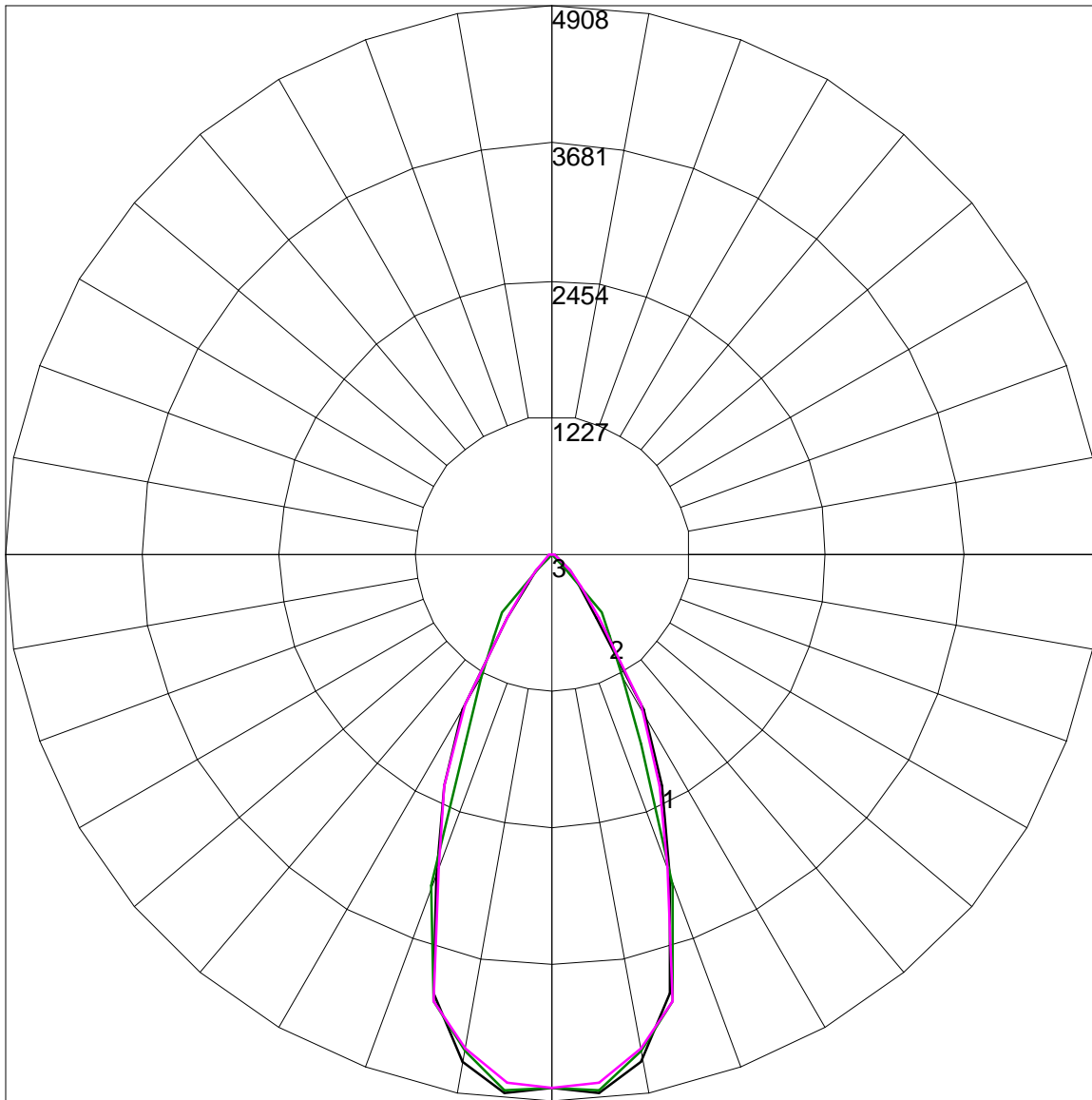
Effective Floor Cavity Reflectance 0.20

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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	96	92	89	94	90	87	92	89	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	82	87	83	81	85	82	80	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 4907.952 Located At Horizontal Angle = 70, Vertical Angle = 5

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

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

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