

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_47 ~ C1320YKFSXT-52LXXK-WDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_47_M-52L

[TESTLAB] Photopia 2017.2.1 see: www.ltiopics.com/ies

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/16/2017

[UPDATE] 11/06/2017

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

[LUMINAIRE] Nom. 15" Diam. x 25" H Cylinder Downlight, Yoke Mounted, Wide 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] 53.1 Degree Beam Angle, 87.9 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	4052
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.88
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_47 ~ C1320YKFSXT-52LXXK-WDEX-MBI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3132	5579	3296
55	187	109	220
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	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717
5	4336.735	4355.525	4309.931	4449.273	4289.168	4256.514	4482.600	4408.149	4371.580	4331.210
10	4745.530	4758.252	4765.579	4837.068	4735.588	4769.902	4763.725	4811.061	4829.344	4739.397
15	4474.327	4354.925	4350.512	4388.043	4424.714	4411.225	4434.266	4333.157	4363.197	4415.387
20	3656.944	3631.828	3644.415	3611.332	3664.112	3602.261	3617.713	3572.590	3700.567	3605.038
25	2710.417	2761.631	2726.924	2727.558	2696.645	2764.868	2768.854	2754.390	2742.165	2724.849
30	1798.415	1813.157	1820.848	1850.794	1855.506	1897.358	1968.876	2009.145	2048.124	2037.724
35	1352.627	1327.313	1348.181	1363.825	1295.632	1276.015	1164.363	1080.477	1041.004	1054.032
40	994.523	967.208	869.092	809.091	725.691	723.104	721.581	698.937	689.216	725.405
45	252.749	286.302	348.421	416.585	448.705	453.149	460.793	440.333	461.386	450.203
50	100.240	94.320	93.961	96.140	105.713	133.822	159.741	178.643	185.042	193.102
55	12.254	14.963	13.819	13.663	12.800	12.516	10.837	9.573	9.768	7.129
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	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717	4443.717
5	4390.225	4274.337	4358.715	4364.243	4312.342	4382.219	4288.341	4402.881	4383.623
10	4719.707	4716.174	4702.950	4784.832	4749.461	4797.928	4760.412	4705.259	4772.136
15	4329.681	4377.573	4330.859	4397.733	4375.090	4415.211	4424.942	4378.345	4483.146
20	3569.238	3629.550	3644.269	3644.810	3613.124	3666.369	3624.153	3593.140	3567.007
25	2742.815	2766.132	2799.529	2760.194	2725.460	2687.126	2735.384	2789.537	2777.156
30	2069.314	2007.132	1965.101	1878.633	1834.238	1768.341	1811.532	1788.680	1770.826
35	1062.428	1089.954	1143.412	1232.161	1324.427	1354.280	1338.758	1328.972	1345.547
40	712.746	705.198	703.641	717.733	743.543	808.309	879.315	937.227	995.407
45	450.736	447.379	442.190	449.140	453.107	400.780	352.773	282.209	265.936
50	183.022	183.118	163.199	137.894	109.678	95.857	85.155	89.120	87.636
55	10.715	9.584	11.300	13.868	14.966	13.177	17.142	15.405	14.414
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	1634.4	N.A.	40.30
0-30	2890.47	N.A.	71.30
0-40	3688.27	N.A.	91.00
0-60	4051.85	N.A.	100.00
0-80	4051.85	N.A.	100.00
0-90	4051.85	N.A.	100.00
10-90	3620.55	N.A.	89.40
20-40	2053.86	N.A.	50.70
20-50	2383.08	N.A.	58.80
40-70	363.58	N.A.	9.00
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	4051.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	431.30
10-20	1203.1
20-30	1256.07
30-40	797.79
40-50	329.22
50-60	34.36
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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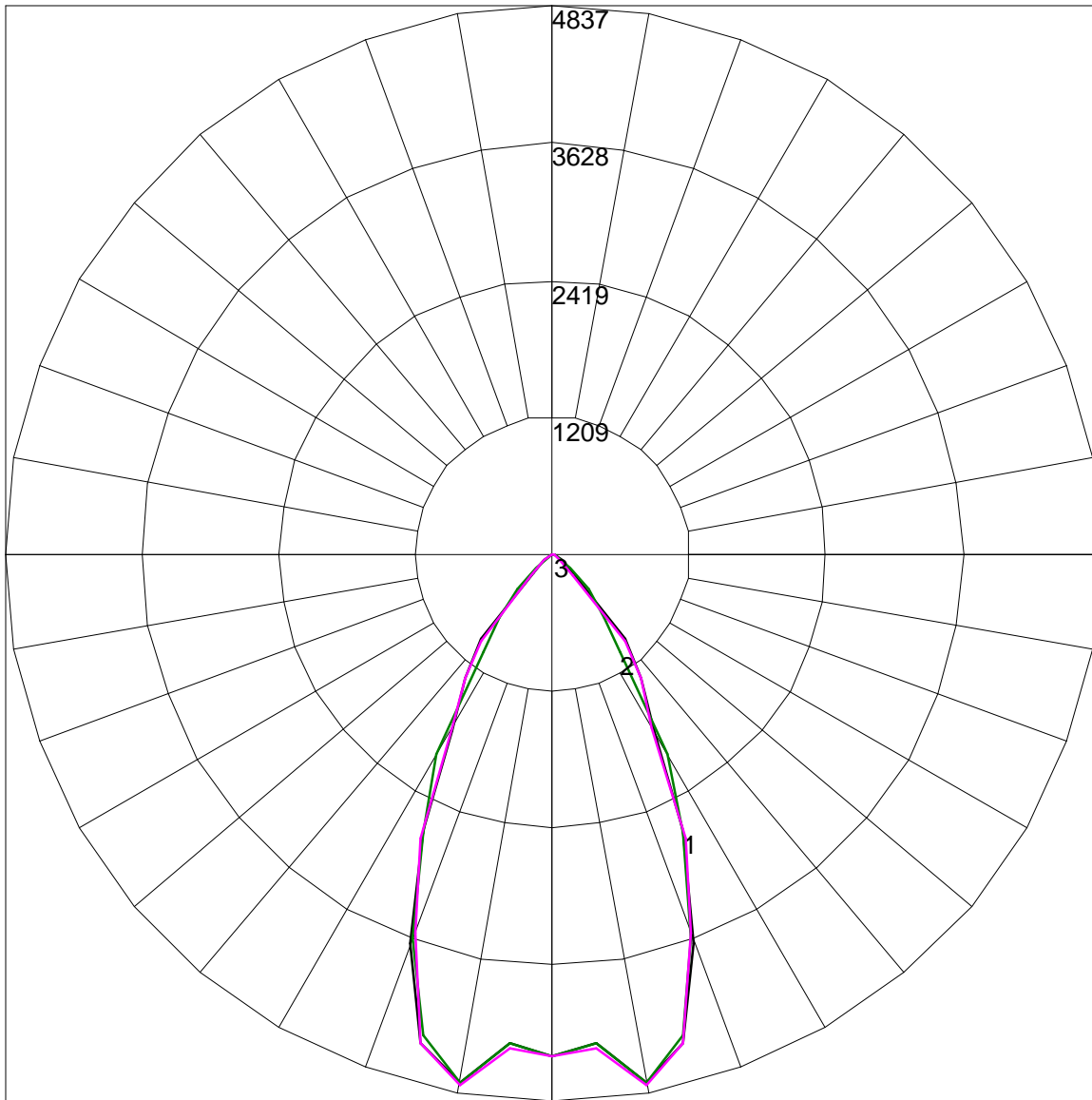
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51

POLAR GRAPH



Maximum Candela = 4837.068 Located At Horizontal Angle = 15, Vertical Angle = 10

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

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

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