

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_48 ~ C1320YKSSXT-52LXXK-WDEX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_48_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-WD-EX-MWI

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Wide Beam

[OTHER] Integral Straight 3" Matte White (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] 46.6 Degree Beam Angle, 87.5 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	4140
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.84
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_48 ~ C1320YKSSXT-52LXXK-WDEX-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6001	4525	5795
55	3227	3011	3169
65	3326	3240	3407
75	2930	2948	2913
85	1717	1954	1747

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_48 ~ C1320YKSSXT-52LXXK-WDEX-MWI.IES

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	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118
5	4459.621	4420.629	4416.090	4404.062	4425.184	4416.667	4461.818	4374.427	4529.130	4264.434
10	4972.952	4963.636	4881.396	4883.346	4977.317	4919.712	4952.386	4916.761	4902.617	4935.413
15	4583.004	4535.294	4537.164	4559.537	4517.575	4528.006	4484.431	4533.035	4588.691	4491.073
20	3368.058	3383.492	3343.171	3284.905	3294.423	3355.666	3312.288	3316.539	3278.839	3277.734
25	2546.315	2466.316	2432.664	2375.201	2225.101	2080.016	1958.146	1801.649	1764.056	1722.534
30	1793.191	1766.690	1594.744	1498.702	1400.922	1335.883	1310.036	1276.449	1289.231	1298.422
35	879.949	947.765	989.258	1078.753	1097.338	1125.335	1115.603	1105.393	1071.392	1038.913
40	647.218	660.249	647.423	613.031	636.550	713.677	774.324	896.129	899.161	917.589
45	484.240	492.300	473.010	446.779	441.899	429.257	413.899	367.151	356.130	365.144
50	259.753	255.655	252.512	237.897	222.641	212.111	217.682	210.548	209.482	209.297
55	211.219	208.655	205.254	206.700	210.226	197.421	196.352	194.290	198.669	197.111
60	197.499	192.707	190.133	186.131	189.137	177.203	180.232	183.295	185.406	184.161
65	160.399	163.920	157.856	156.021	157.776	162.055	155.789	156.403	156.523	156.265
70	124.207	123.201	122.572	120.432	119.041	117.091	125.931	124.595	124.124	120.481
75	86.538	86.544	85.774	87.966	85.933	85.254	86.037	83.983	86.299	87.061
80	51.706	49.460	49.127	51.740	52.946	53.066	50.432	52.346	52.793	55.424
85	17.082	17.399	18.658	17.625	17.810	19.071	18.517	18.054	18.270	19.430
90	0.281	0.117	0.000	0.299	0.494	0.338	0.211	0.390	0.221	0.120

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	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118	4497.118
5	4472.072	4434.251	4400.625	4464.200	4414.662	4396.574	4357.790	4498.647	4411.945
10	5015.174	4908.516	4875.197	4816.609	4871.550	4976.478	4893.374	5034.983	4903.597
15	4518.758	4566.580	4519.731	4412.364	4484.326	4594.278	4510.654	4439.578	4531.077
20	3276.790	3272.755	3305.255	3352.271	3285.050	3371.911	3364.603	3373.788	3328.223
25	1753.619	1854.785	1937.881	2118.587	2216.183	2326.160	2455.430	2471.240	2463.240
30	1336.275	1290.463	1312.064	1366.477	1405.719	1507.246	1624.584	1781.281	1771.882
35	1068.730	1081.701	1092.312	1099.823	1113.788	1073.444	1021.361	900.669	862.987
40	923.712	829.176	767.939	701.618	632.414	621.387	645.507	638.953	653.156
45	364.660	372.715	404.474	423.212	448.357	455.055	474.630	483.675	467.592
50	207.035	204.066	207.321	213.244	227.427	242.983	243.243	264.865	259.431
55	199.956	197.280	189.972	199.844	205.392	201.973	201.729	202.150	207.423
60	179.608	178.058	180.016	183.773	188.263	185.172	185.645	184.946	188.037
65	159.058	154.723	156.413	160.394	159.367	152.885	159.128	160.454	164.299
70	124.002	116.633	124.218	122.814	125.068	120.292	123.526	122.980	122.855
75	86.546	86.232	88.369	86.216	83.455	87.269	86.180	89.718	86.044
80	52.507	52.403	51.412	51.555	53.362	52.673	51.607	53.648	49.720
85	19.373	19.084	17.498	18.364	16.796	16.349	18.538	18.143	17.376
90	0.432	0.091	0.117	0.000	0.000	0.000	0.000	0.312	0.237

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_48 ~ C1320YKSSXT-52LXXK-WDEX-MWI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1647.75	N.A.	39.80
0-30	2674.77	N.A.	64.60
0-40	3340.68	N.A.	80.70
0-60	3870.02	N.A.	93.50
0-80	4116.00	N.A.	99.40
0-90	4140.09	N.A.	100.00
10-90	3699.09	N.A.	89.30
20-40	1692.93	N.A.	40.90
20-50	2039.78	N.A.	49.30
40-70	683.74	N.A.	16.50
60-80	245.98	N.A.	5.90
70-80	91.59	N.A.	2.20
80-90	24.09	N.A.	0.60
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	4140.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	441.00
10-20	1206.75
20-30	1027.02
30-40	665.91
40-50	346.86
50-60	182.49
60-70	154.39
70-80	91.59
80-90	24.09
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_48 ~ C1320YKSSXT-52LXXK-WDEX-MWI.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

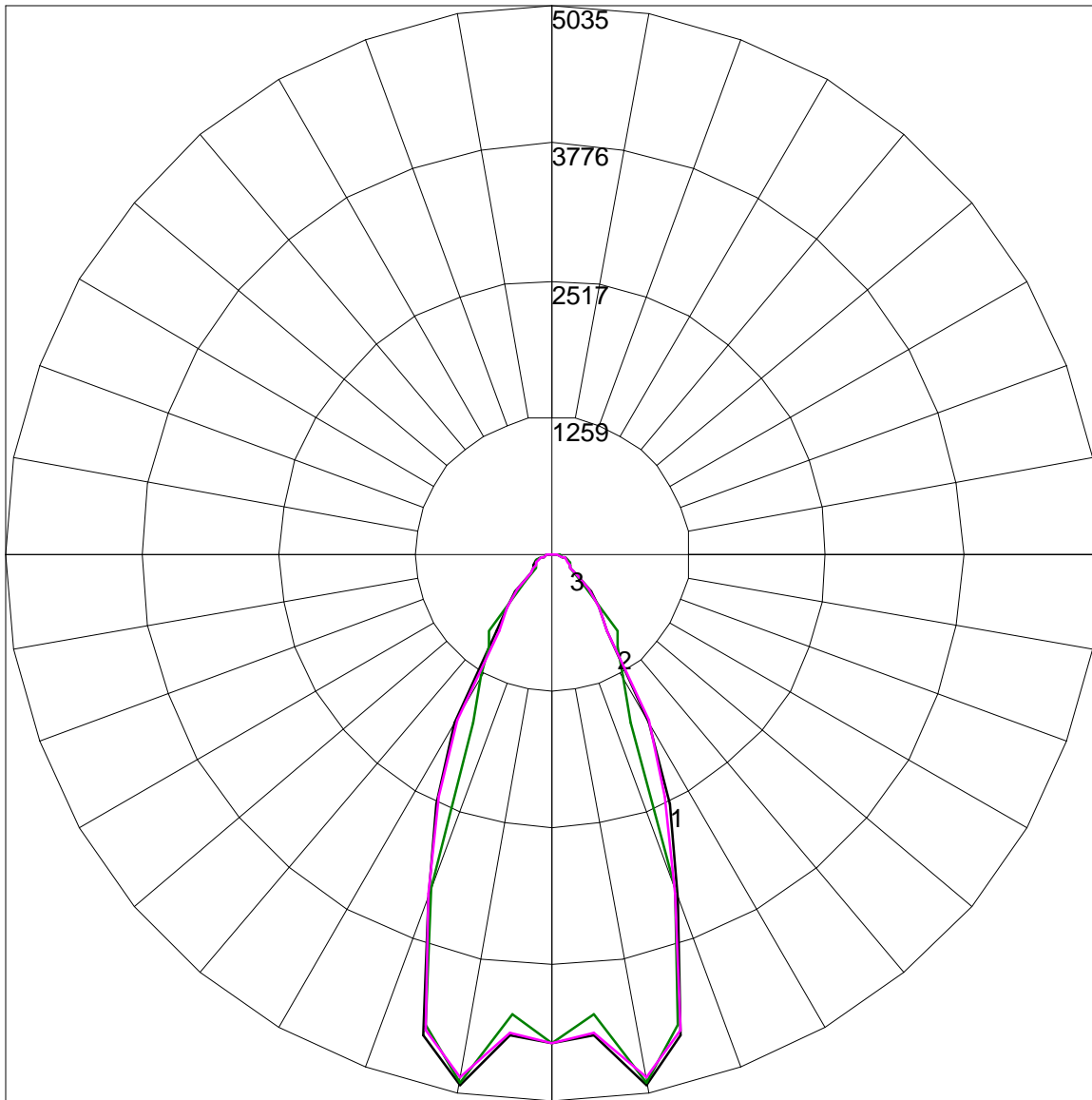
Effective Floor Cavity Reflectance 0.20

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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	86	80	75	92	85	79	75	83	78	74	81	76	73	79	75	72	70
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	76	66	60	56	75	66	60	55	65	59	55	64	59	55	63	58	55	53
9	73	63	56	52	72	62	56	52	61	56	52	60	55	52	59	55	52	50
10	69	59	53	49	68	59	53	49	58	53	49	57	52	49	56	52	49	47

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_48 ~ C1320YKSSXT-52LXXK-WDEX-MWI.IES

POLAR GRAPH



Maximum Candela = 5034.983 Located At Horizontal Angle = 85, 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)