

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_46 ~ C1320YKFSXT-80LXXK-WDEX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_46_M-80L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/16/2017

[UPDATE] 11/06/2017

[LUMCAT] C1320YKFSXT-80L-xxK-WD-EX-MWI

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

[OTHER] Integral Flared 3" Matte White (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] 52.4 Degree Beam Angle, 89.6 Degree Field Angle

[LAMPCAT] LED 2000lm

[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	7117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	94.8
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_46 ~ C1320YKFSXT-80LXXK-WDEX-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7086	10770	6915
55	2702	2642	2709
65	2727	2920	2802
75	2969	2780	2950
85	1288	1779	1778

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_46 ~ C1320YKFSXT-80LXXK-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	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621
5	7075.532	7002.508	7178.136	7080.257	7284.389	7210.272	7286.272	7021.648	7151.953	7063.957
10	7771.540	7642.285	7750.216	7844.096	7712.212	7732.768	7776.460	7897.776	7686.921	7782.792
15	6989.540	7089.640	7140.740	7070.928	7179.840	7181.189	7113.421	7120.268	7128.416	7159.057
20	5861.120	5896.236	5879.088	5905.016	5844.720	5890.604	5877.276	5895.424	5869.708	5813.172
25	4374.708	4481.916	4464.232	4444.972	4499.208	4415.236	4492.096	4496.472	4369.768	4426.152
30	2977.044	3027.352	3093.960	3070.716	3088.616	3118.936	3232.428	3232.992	3343.608	3303.568
35	2296.688	2254.520	2273.312	2294.056	2153.008	2082.608	1996.480	1829.948	1762.496	1774.508
40	1735.360	1649.248	1526.028	1416.560	1303.444	1266.236	1268.472	1264.856	1287.268	1263.308
45	571.796	604.420	708.380	771.516	872.964	884.660	854.512	845.944	847.852	869.036
50	288.888	298.712	295.540	304.564	310.388	361.156	397.716	437.744	435.516	449.320
55	176.880	167.412	174.020	170.896	170.920	174.928	172.316	169.892	174.940	172.956
60	137.152	145.560	141.860	145.828	147.220	154.048	148.540	147.376	147.136	150.860
65	131.512	131.236	131.412	135.764	137.920	137.044	141.936	135.296	137.756	140.820
70	118.692	119.964	115.244	120.228	115.692	112.940	114.976	118.312	112.284	116.320
75	87.700	83.628	85.440	87.296	83.220	90.108	79.596	89.212	79.016	82.112
80	44.048	45.196	49.468	48.336	50.816	51.060	48.784	49.864	48.380	47.772
85	12.808	16.744	17.124	17.800	18.740	19.808	18.772	18.008	17.632	17.692
90	0.976	0.956	0.552	0.732	0.340	0.448	0.180	0.364	0.244	0.508

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	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621	7171.621
5	7066.804	7174.064	7181.089	7154.764	7065.380	7152.525	7181.632	7230.657	7191.816
10	7940.708	7735.364	7747.925	7719.912	7703.132	7773.908	7798.760	7704.625	7856.680
15	7042.689	7088.621	7210.776	7006.221	7234.316	7114.640	7028.476	7195.476	7098.548
20	5843.768	5788.440	5894.440	5859.072	5829.848	5912.832	5946.804	5852.560	5843.984
25	4491.436	4415.748	4462.060	4500.292	4444.856	4410.168	4395.764	4503.608	4435.672
30	3301.084	3260.112	3183.864	3114.328	3042.404	3075.824	3036.820	3003.452	2987.040
35	1800.924	1888.536	1977.652	2113.648	2196.332	2260.424	2275.288	2310.740	2237.028
40	1251.732	1261.804	1239.284	1264.264	1315.776	1377.540	1540.528	1669.104	1730.420
45	851.772	862.596	863.856	853.808	842.924	802.880	711.268	612.520	557.948
50	436.484	454.496	430.080	368.400	303.040	301.040	289.164	299.324	312.512
55	178.544	179.792	171.308	176.376	175.240	171.664	172.212	170.748	177.332
60	149.200	149.772	145.568	150.728	148.124	146.304	140.088	142.952	136.448
65	140.356	138.436	136.632	135.384	131.520	137.824	134.824	132.136	135.136
70	106.660	113.148	114.780	112.516	117.876	117.872	118.248	121.140	110.600
75	78.980	85.888	86.332	79.416	78.744	85.332	91.660	88.048	87.120
80	48.412	47.824	49.280	48.868	50.536	45.832	45.716	44.676	49.328
85	16.392	18.868	15.792	18.536	17.720	17.752	16.540	19.216	17.684
90	1.076	0.972	0.136	0.184	0.432	0.184	0.368	0.340	0.364

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_46 ~ C1320YKFSXT-80LXXK-WDEX-MWI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2657.92	N.A.	37.30
0-30	4700.96	N.A.	66.10
0-40	6048.64	N.A.	85.00
0-60	6873.31	N.A.	96.60
0-80	7093.63	N.A.	99.70
0-90	7116.51	N.A.	100.00
10-90	6411.97	N.A.	90.10
20-40	3390.72	N.A.	47.60
20-50	4025.54	N.A.	56.60
40-70	957.14	N.A.	13.40
60-80	220.32	N.A.	3.10
70-80	87.85	N.A.	1.20
80-90	22.88	N.A.	0.30
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	7116.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	704.54
10-20	1953.38
20-30	2043.04
30-40	1347.68
40-50	634.82
50-60	189.86
60-70	132.47
70-80	87.85
80-90	22.88
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_46 ~ C1320YKFSXT-80LXXK-WDEX-MWI.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

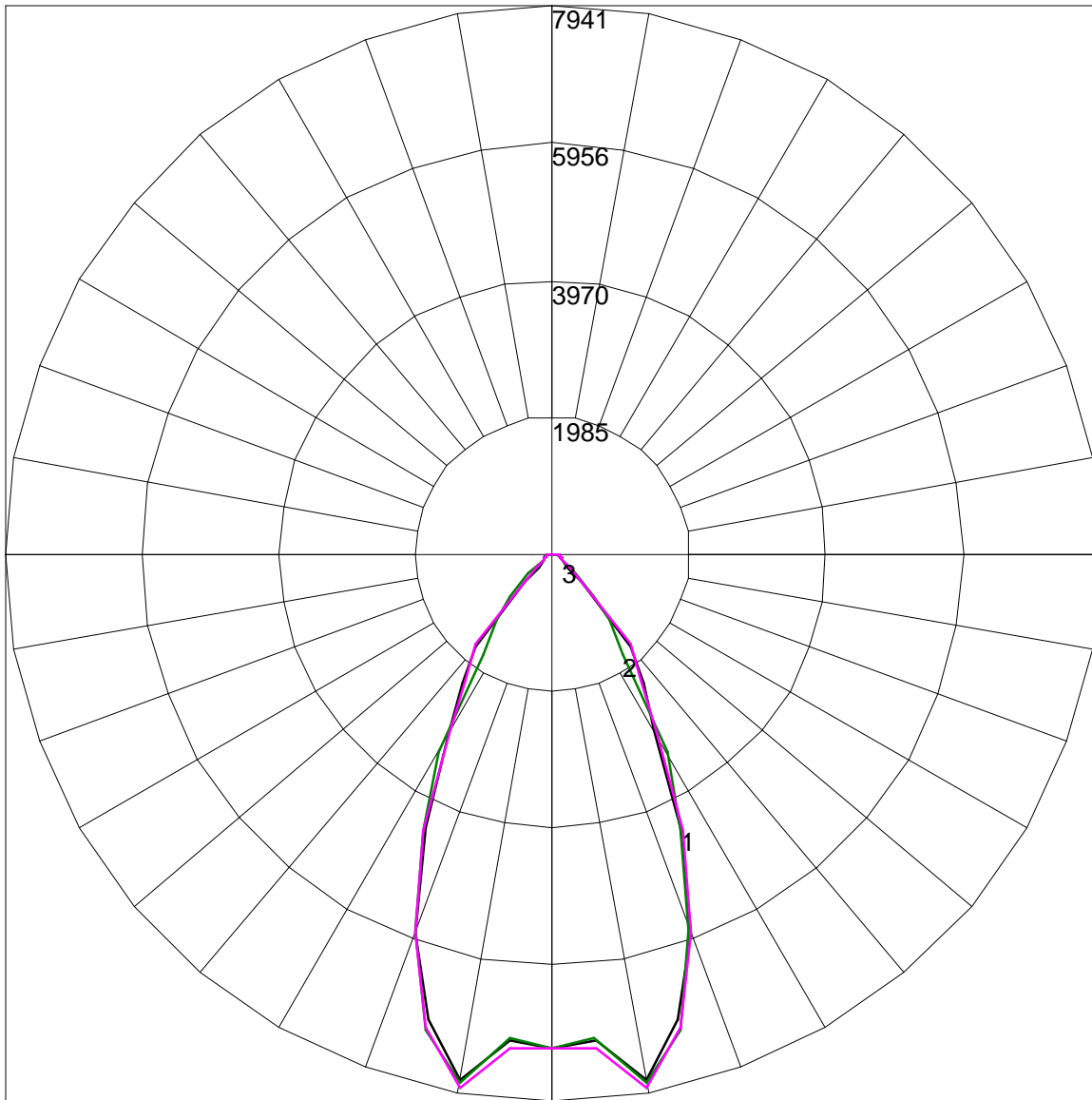
Effective Floor Cavity Reflectance 0.20

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	76	82	78	75	80	77	74	72
5	90	81	75	71	89	81	75	70	79	74	70	77	73	69	75	72	68	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	62
7	81	71	65	61	80	71	65	61	69	64	60	68	63	60	67	63	60	58
8	77	67	61	57	76	67	61	57	65	60	56	64	60	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	52	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	49	57	53	49	48

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_46 ~ C1320YKFSXT-80LXXK-WDEX-MWI.IES

POLAR GRAPH



Maximum Candela = 7940.708 Located At Horizontal Angle = 50, 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)