

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_35 ~ C1320YKSSXT-80LXXK-MDEX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_35_M-80L

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

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 8/01/2017

[UPDATE] 11/07/2017

[LUMCAT] C1320YKSSXT-80L-xxK-MD-EX-MWI

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Medium 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] 37.2 Degree Beam Angle, 74.9 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 120L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	94.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.08 ft (Diameter)
Luminous Width (90-270)	1.08 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_35 ~ C1320YKSSXT-80LXXK-MDEX-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13951	8658	11753
55	5602	5491	5859
65	6200	6095	6459
75	5967	5364	4856
85	4149	3634	3320

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_35 ~ C1320YKSSXT-80LXXK-MDEX-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	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790
5	9484.773	9743.349	9403.459	9382.842	9626.924	9574.812	9767.495	9463.429	9389.406	9401.732
10	8166.921	8339.421	8258.514	8187.278	8576.880	8484.907	8476.056	8357.297	7955.262	8557.850
15	6144.484	6113.075	6022.663	6070.594	5979.582	6020.842	6073.669	6276.237	6220.135	6109.947
20	4944.611	4731.004	4579.755	4641.453	4608.990	4607.936	4518.805	4682.493	4712.462	4369.717
25	3723.894	3677.498	3537.755	3596.044	3323.901	3039.712	2931.632	2944.411	2890.911	2608.657
30	2488.684	2549.121	2280.113	2283.508	2098.095	2112.322	1903.244	1998.319	1982.324	1968.717
35	984.946	1148.187	1373.900	1466.673	1586.133	1509.561	1645.055	1553.476	1491.819	1565.429
40	904.312	918.112	906.086	924.475	906.039	1034.737	1188.647	1255.654	1287.357	1419.783
45	845.016	779.276	740.223	668.894	759.480	629.828	618.109	551.562	539.283	524.429
50	368.604	362.501	360.060	326.763	320.814	301.337	281.647	298.302	271.756	294.367
55	275.251	288.998	284.262	304.646	286.750	297.282	284.295	277.179	265.766	269.795
60	273.777	280.920	271.989	268.121	253.840	257.889	247.464	239.393	271.075	237.559
65	224.439	215.361	206.603	224.032	224.632	223.378	229.021	226.420	224.319	220.637
70	167.384	163.602	182.031	162.615	175.054	162.248	175.995	172.019	164.782	162.915
75	132.299	114.611	113.237	125.816	137.182	112.710	134.701	109.868	129.892	118.913
80	69.868	76.605	71.656	64.025	66.987	69.115	64.599	69.141	81.167	68.694
85	30.975	24.199	23.158	18.309	24.446	21.551	24.426	22.665	23.485	27.134
90	0.000	0.367	0.140	0.414	0.180	0.520	1.514	0.153	0.153	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	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790	10555.790
5	9419.961	9747.198	9395.322	10010.540	9603.679	9634.615	9408.515	9651.850	9834.288
10	8440.258	8130.637	8251.237	8312.587	8205.707	8474.875	8344.590	8049.349	8659.074
15	5918.805	6158.724	6417.480	6307.205	6210.697	6111.067	5897.454	6230.547	5964.407
20	4224.284	4448.276	4543.270	4595.690	4553.476	4803.434	4486.289	4819.509	4861.950
25	2763.761	2830.735	3065.178	3217.588	3405.188	3579.422	3697.688	3479.559	3741.897
30	1954.757	1877.505	1850.625	2047.010	1911.515	2147.620	2257.141	2663.124	2648.864
35	1521.240	1566.596	1517.405	1526.630	1571.352	1487.083	1283.475	1190.235	1148.587
40	1360.807	1209.705	1170.732	1042.081	987.060	861.417	911.676	771.492	947.180
45	556.271	587.474	639.640	691.972	723.328	734.707	705.433	740.370	711.909
50	282.334	299.430	272.896	303.051	295.461	301.097	340.730	364.422	374.060
55	282.001	273.877	274.264	287.664	277.899	282.488	282.208	303.919	287.864
60	269.141	240.220	266.987	248.771	276.985	246.937	259.857	259.730	265.159
65	217.976	231.462	226.880	229.902	223.152	222.411	232.610	246.456	233.824
70	166.590	172.113	171.666	191.622	170.892	171.732	171.412	178.096	177.222
75	115.444	119.767	113.984	107.314	113.150	121.107	115.171	114.150	107.654
80	75.725	73.283	70.028	64.232	68.521	75.491	84.169	63.245	63.752
85	24.479	23.252	20.410	18.429	21.177	21.017	19.903	25.966	24.786
90	1.187	0.000	0.293	0.000	0.000	0.120	0.140	0.000	0.100

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_35 ~ C1320YKSSXT-80LXXK-MDEX-MWI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2621.39	N.A.	42.10
0-30	4124.25	N.A.	66.30
0-40	5070.64	N.A.	81.50
0-60	5843.18	N.A.	93.90
0-80	6187.99	N.A.	99.50
0-90	6219.78	N.A.	100.00
10-90	5339.03	N.A.	85.80
20-40	2449.25	N.A.	39.40
20-50	2966.42	N.A.	47.70
40-70	990.78	N.A.	15.90
60-80	344.81	N.A.	5.50
70-80	126.57	N.A.	2.00
80-90	31.79	N.A.	0.50
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	6219.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	880.76
10-20	1740.63
20-30	1502.86
30-40	946.39
40-50	517.17
50-60	255.37
60-70	218.25
70-80	126.57
80-90	31.79
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_35 ~ C1320YKSSXT-80LXXK-MDEX-MWI.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

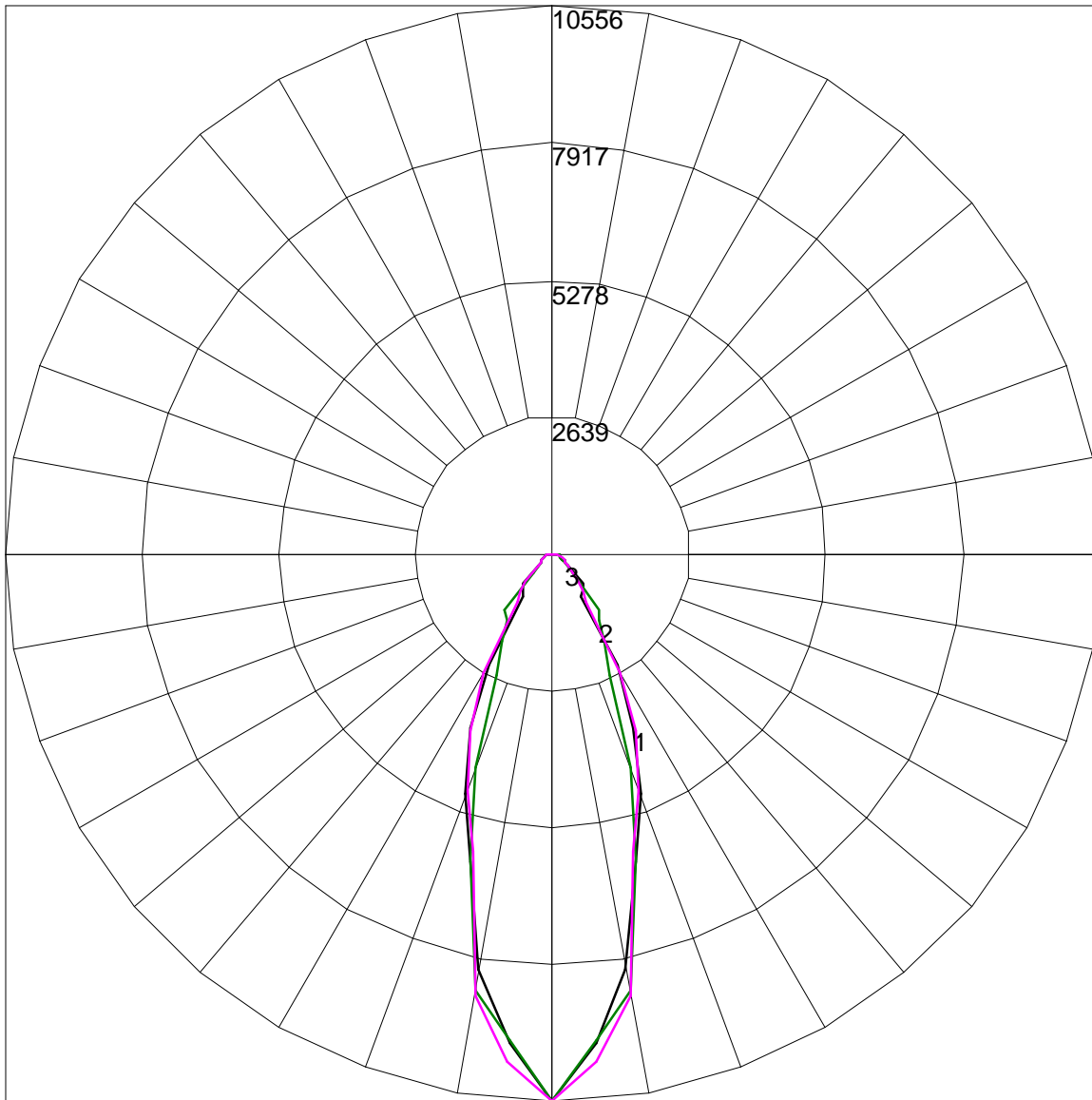
Effective Floor Cavity Reflectance 0.20

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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	89	93	90	88	90	88	86	84
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	75	71	89	80	75	70	79	73	70	77	72	69	75	71	68	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59
8	78	68	62	58	77	67	61	57	66	61	57	65	60	57	64	60	57	55
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424_35 ~ C1320YKSSXT-80LXXK-MDEX-MWI.IES

POLAR GRAPH



Maximum Candela = 10555.79 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)