

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_39 ~ C1320YKFSXT-80LXXK-XNEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_39

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

[ISSUE DATE]

[TEST DATE] 10/16/2017

[UPDATE] 11/03/2017

[MANUFAC] Spectrum Lighting

[LUMCAT] C1320YKFSXT-80L-xxK-XN-EX-MBI

[LUMINAIRE] Nom. 15" Diam. x 25" H Cylinder Downlight, Yoke Mounted, Xtra Narrow 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] 12.2 Degree Beam Angle, 21.8 Degree Field Angle

[LAMP] N/A, 9mm

[LAMPCAT] N/A, Min. 83 CRI

[OTHER] XN available for 52L and 80L versions only

[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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5752
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	142
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.22
Spacing Criterion (Diagonal)	0.22
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	266	236	274
55	105	177	105
65	3	0	7
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	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180
5	40146.539	39873.340	40178.680	39628.070	39204.328	38829.621	39019.102	38670.629	38517.539	38119.148
10	7170.850	7205.240	7193.350	7287.170	7931.580	8920.260	9891.550	10053.290	10069.850	10095.740
15	2785.500	2768.980	2800.880	2800.020	2846.450	2862.400	2851.010	2830.500	2864.680	2846.730
20	2201.430	2242.170	2253.590	2296.270	2249.710	2240.440	2288.940	2287.860	2280.750	2199.920
25	2069.040	2061.020	2061.720	2053.350	2060.670	2096.950	2079.680	2056.490	2078.990	2074.970
30	1873.560	1861.470	1835.520	1846.880	1886.390	1881.670	1879.610	1875.770	1913.370	1908.940
35	1261.030	1288.410	1275.170	1280.310	1275.040	1274.910	1244.070	1234.050	1254.610	1251.520
40	141.290	142.660	138.650	140.480	144.500	169.960	176.380	162.040	158.490	161.130
45	21.480	22.210	21.370	22.410	22.520	21.060	20.850	21.680	20.220	19.080
50	14.240	12.990	14.340	13.660	15.400	17.610	15.690	16.070	17.710	16.170
55	6.840	10.080	9.900	8.550	9.990	11.520	12.330	14.580	12.240	11.610
60	6.640	4.770	4.940	4.430	4.000	3.060	3.320	1.960	2.640	1.620
65	0.160	0.240	0.080	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	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180	65762.180
5	38708.691	38830.461	38713.770	38436.352	38986.109	39080.840	39108.762	39083.379	39134.871
10	9946.740	9886.030	9903.440	8933.850	7878.940	7220.100	7156.420	7105.060	7015.470
15	2870.660	2868.090	2828.510	2869.810	2772.110	2813.130	2750.750	2761.860	2840.750
20	2279.240	2285.270	2261.570	2221.690	2237.860	2260.710	2272.990	2269.540	2203.580
25	2057.530	2075.670	2084.390	2104.980	2077.940	2089.280	2078.110	2099.920	2102.180
30	1908.210	1909.980	1898.040	1893.320	1855.430	1837.000	1837.290	1852.040	1861.170
35	1265.150	1243.940	1263.610	1282.370	1295.480	1244.840	1275.170	1233.150	1286.480
40	175.350	169.270	169.610	168.120	142.090	145.190	149.770	146.560	138.530
45	19.810	17.510	22.730	22.210	20.120	22.100	24.920	25.230	22.100
50	18.670	18.570	17.230	15.690	14.720	16.260	15.970	13.570	10.390
55	13.860	13.770	11.520	12.060	11.160	8.910	8.100	9.810	6.840
60	2.810	2.810	2.980	4.000	4.430	4.090	5.790	5.280	4.940
65	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.080	0.330
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_39 ~ C1320YKFSXT-80LXXK-XNEX-MBI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	4047.78	N.A.	70.40
0-30	5002.37	N.A.	87.00
0-40	5701.5	N.A.	99.10
0-60	5751.02	N.A.	100.00
0-80	5751.97	N.A.	100.00
0-90	5751.97	N.A.	100.00
10-90	2797.14	N.A.	48.60
20-40	1653.72	N.A.	28.80
20-50	1694.04	N.A.	29.50
40-70	50.47	N.A.	0.90
60-80	0.95	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	5751.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2954.83
10-20	1092.95
20-30	954.59
30-40	699.13
40-50	40.32
50-60	9.20
60-70	0.95
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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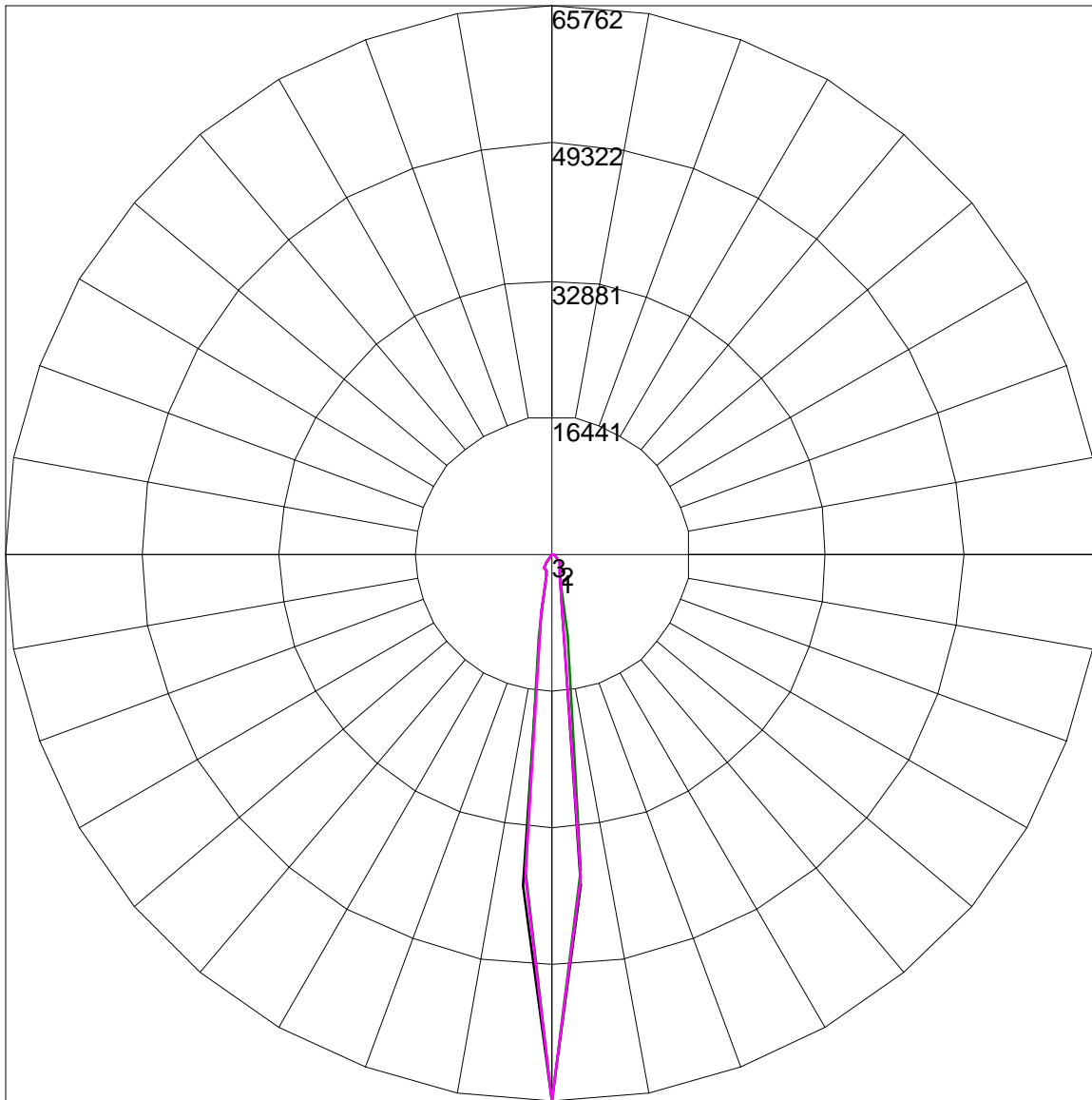
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81
8	94	87	83	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79
9	92	85	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77
10	89	83	79	77	89	83	79	77	82	79	76	81	78	76	81	78	76	75

POLAR GRAPH



Maximum Candela = 65762.18 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)