

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00424\_39 ~ C1320YKFSXT-52LXXK-XNEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424\_39\_M-52L

[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-52L-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, scaled from 80L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3739
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	73.6
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00424\_39 ~ C1320YKFSXT-52LXXK-XNEX-MBI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	173	154	178
55	68	115	68
65	2	0	4
75	0	0	0
85	0	0	0

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SP-00424\_39 ~ C1320YKFSXT-52LXXK-XNEX-MBI.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>
<b>0</b>	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415
<b>5</b>	26095.249	25917.670	26116.141	25758.245	25482.812	25239.253	25362.415	25135.908	25036.399	24777.445
<b>10</b>	4661.052	4683.406	4675.677	4736.660	5155.527	5798.169	6429.507	6534.638	6545.402	6562.231
<b>15</b>	1810.575	1799.837	1820.572	1820.013	1850.192	1860.560	1853.156	1839.825	1862.042	1850.374
<b>20</b>	1430.929	1457.410	1464.833	1492.575	1462.311	1456.286	1487.811	1487.109	1482.487	1429.948
<b>25</b>	1344.876	1339.663	1340.118	1334.677	1339.435	1363.017	1351.792	1336.718	1351.343	1348.730
<b>30</b>	1217.814	1209.955	1193.088	1200.472	1226.153	1223.085	1221.746	1219.250	1243.690	1240.811
<b>35</b>	819.669	837.466	828.860	832.201	828.776	828.691	808.645	802.132	815.496	813.488
<b>40</b>	91.838	92.729	90.122	91.312	93.925	110.474	114.647	105.326	103.018	104.734
<b>45</b>	13.962	14.436	13.890	14.566	14.638	13.689	13.552	14.092	13.143	12.402
<b>50</b>	9.256	8.443	9.321	8.879	10.010	11.446	10.198	10.445	11.511	10.510
<b>55</b>	4.446	6.552	6.435	5.557	6.493	7.488	8.014	9.477	7.956	7.546
<b>60</b>	4.316	3.100	3.211	2.879	2.600	1.989	2.158	1.274	1.716	1.053
<b>65</b>	0.104	0.156	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>70</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>75</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>80</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>85</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>90</b>	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>
<b>0</b>	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415	42745.415
<b>5</b>	25160.648	25239.799	25163.950	24983.628	25340.970	25402.545	25420.694	25404.195	25437.665
<b>10</b>	6465.381	6425.919	6437.236	5807.002	5121.311	4693.065	4651.673	4618.289	4560.055
<b>15</b>	1865.929	1864.258	1838.531	1865.376	1801.871	1828.534	1787.987	1795.209	1846.487
<b>20</b>	1481.506	1485.425	1470.020	1444.098	1454.609	1469.461	1477.443	1475.201	1432.327
<b>25</b>	1337.394	1349.185	1354.853	1368.237	1350.661	1358.032	1350.771	1364.948	1366.417
<b>30</b>	1240.336	1241.487	1233.726	1230.658	1206.029	1194.050	1194.238	1203.826	1209.760
<b>35</b>	822.347	808.561	821.346	833.540	842.062	809.146	828.860	801.547	836.212
<b>40</b>	113.977	110.025	110.246	109.278	92.358	94.373	97.350	95.264	90.044
<b>45</b>	12.876	11.381	14.774	14.436	13.078	14.365	16.198	16.399	14.365
<b>50</b>	12.135	12.070	11.199	10.198	9.568	10.569	10.380	8.820	6.753
<b>55</b>	9.009	8.950	7.488	7.839	7.254	5.791	5.265	6.376	4.446
<b>60</b>	1.826	1.826	1.937	2.600	2.879	2.658	3.763	3.432	3.211
<b>65</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.052	0.214
<b>70</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>75</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>80</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>85</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>90</b>	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-52LXXK-XNEX-MBI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2631.05	N.A.	70.40
0-30	3251.54	N.A.	87.00
0-40	3705.97	N.A.	99.10
0-60	3738.16	N.A.	100.00
0-80	3738.78	N.A.	100.00
0-90	3738.78	N.A.	100.00
10-90	1818.14	N.A.	48.60
20-40	1074.92	N.A.	28.80
20-50	1101.13	N.A.	29.50
40-70	32.80	N.A.	0.90
60-80	0.62	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	3738.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1920.64
10-20	710.42
20-30	620.48
30-40	454.44
40-50	26.21
50-60	5.98
60-70	0.62
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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424\_39 ~ C1320YKFSXT-52LXXK-XNEX-MBI.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

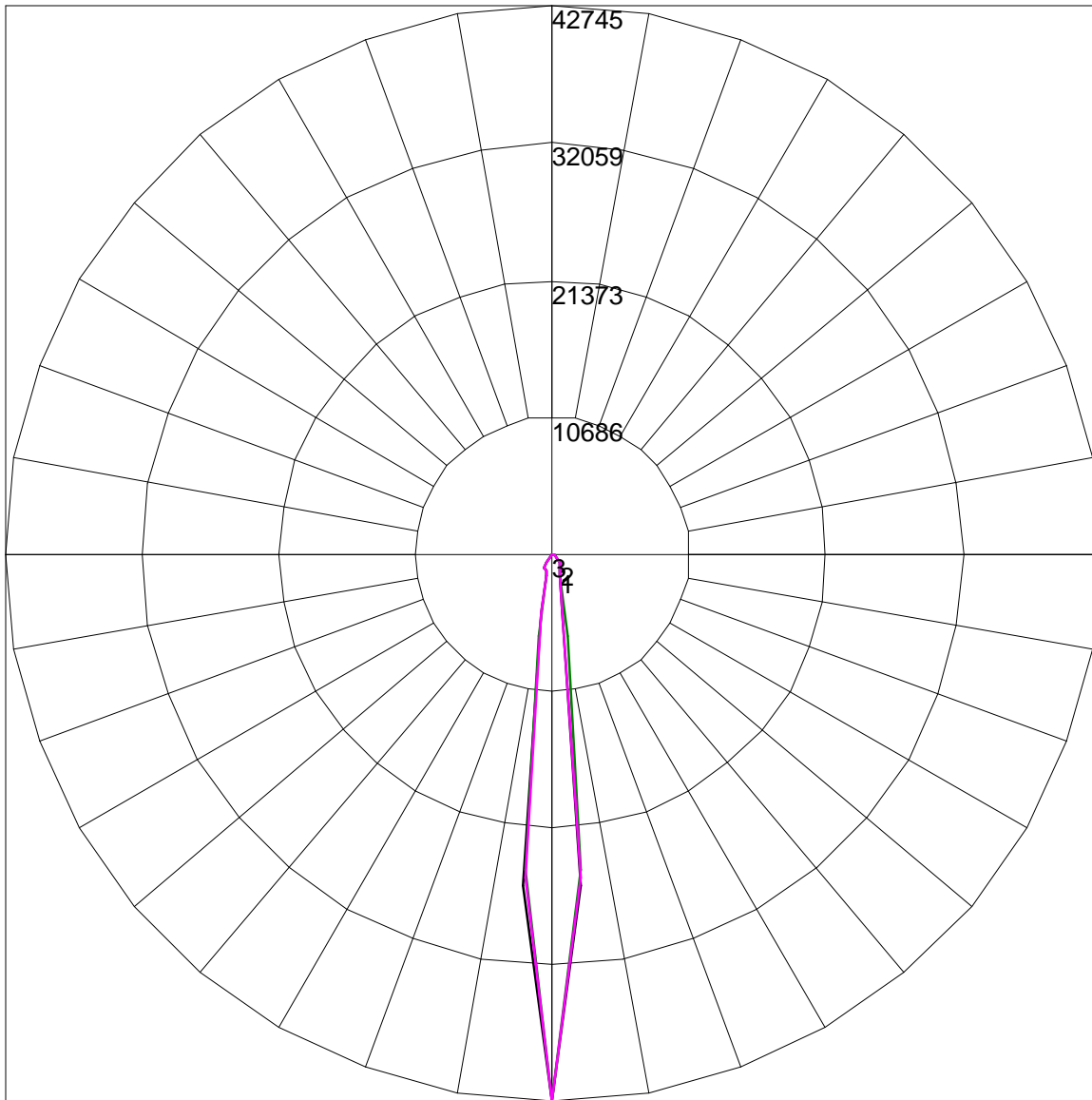
Effective Floor Cavity Reflectance 0.20

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	115	113	111	110	113	111	109	108	107	106	104	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	80	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

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00424\_39 ~ C1320YKFSXT-52LXXK-XNEX-MBI.IES

## POLAR GRAPH



Maximum Candela = 42745.415 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)