

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_45 ~ C1320YKSSXT-80LXXK-NDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_45_M-80L

[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-80L-xxK-ND-EX-MBI

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

[OTHER] Integral Straight 3" Matte Black (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] 24.5 Degree Beam Angle, 45.7 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	6418
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	94.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.42
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	279	383	296
55	0	0	0
65	0	0	0
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	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388
5	24305.485	24559.028	24013.572	24424.557	24366.916	24102.085	24138.324	24336.924	24115.685	24303.700
10	17908.900	17814.231	18047.413	18119.644	18075.952	18104.041	17754.624	17813.195	17929.721	18121.713
15	9654.212	9454.272	9635.296	9610.216	9511.248	9601.089	9575.396	9575.128	9563.289	9454.380
20	3683.744	3737.792	3694.940	3755.040	3791.576	3865.968	3940.260	4021.892	4087.928	4093.608
25	2190.764	2167.736	2219.648	2190.020	2107.908	1983.080	1824.584	1695.596	1662.448	1580.072
30	1690.076	1581.740	1457.148	1298.500	1266.404	1165.068	1171.836	1155.992	1221.020	1205.936
35	446.700	499.924	661.348	733.492	805.352	794.324	801.280	780.908	817.384	792.236
40	161.428	145.916	153.256	158.672	197.948	240.004	290.536	308.380	302.924	307.804
45	22.540	20.624	22.592	20.028	20.624	22.292	18.656	24.128	28.748	30.876
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	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	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388	28386.388
5	24113.277	24117.477	24611.477	24371.416	24224.324	24492.680	24543.364	24524.377	24460.380
10	18003.644	18004.736	18075.841	18056.959	18086.624	18104.500	18138.036	18050.792	17855.652
15	9562.153	9539.653	9519.585	9582.864	9550.016	9460.228	9542.372	9593.904	9361.676
20	4060.460	4036.904	3986.772	3866.472	3896.312	3783.800	3686.708	3690.296	3680.952
25	1577.040	1689.168	1803.004	2000.552	2117.520	2216.016	2150.756	2149.916	2173.136
30	1166.548	1161.920	1185.836	1197.148	1239.024	1338.140	1502.608	1545.912	1673.316
35	788.168	789.864	777.540	789.720	825.048	709.852	628.716	507.792	456.004
40	322.256	300.256	297.616	253.232	189.268	154.372	151.560	152.340	151.296
45	29.280	23.168	22.704	23.452	20.080	22.196	24.736	23.036	23.900
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	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
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

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Zone	Lumens	%Lamp	%Fixt
0-20	4884.79	N.A.	76.10
0-30	5910.39	N.A.	92.10
0-40	6366.88	N.A.	99.20
0-60	6417.92	N.A.	100.00
0-80	6417.92	N.A.	100.00
0-90	6417.92	N.A.	100.00
10-90	4273.6	N.A.	66.60
20-40	1482.1	N.A.	23.10
20-50	1533.14	N.A.	23.90
40-70	51.04	N.A.	0.80
60-80	0.00	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	6417.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2144.33
10-20	2740.46
20-30	1025.6
30-40	456.49
40-50	51.04
50-60	0.00
60-70	0.00
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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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

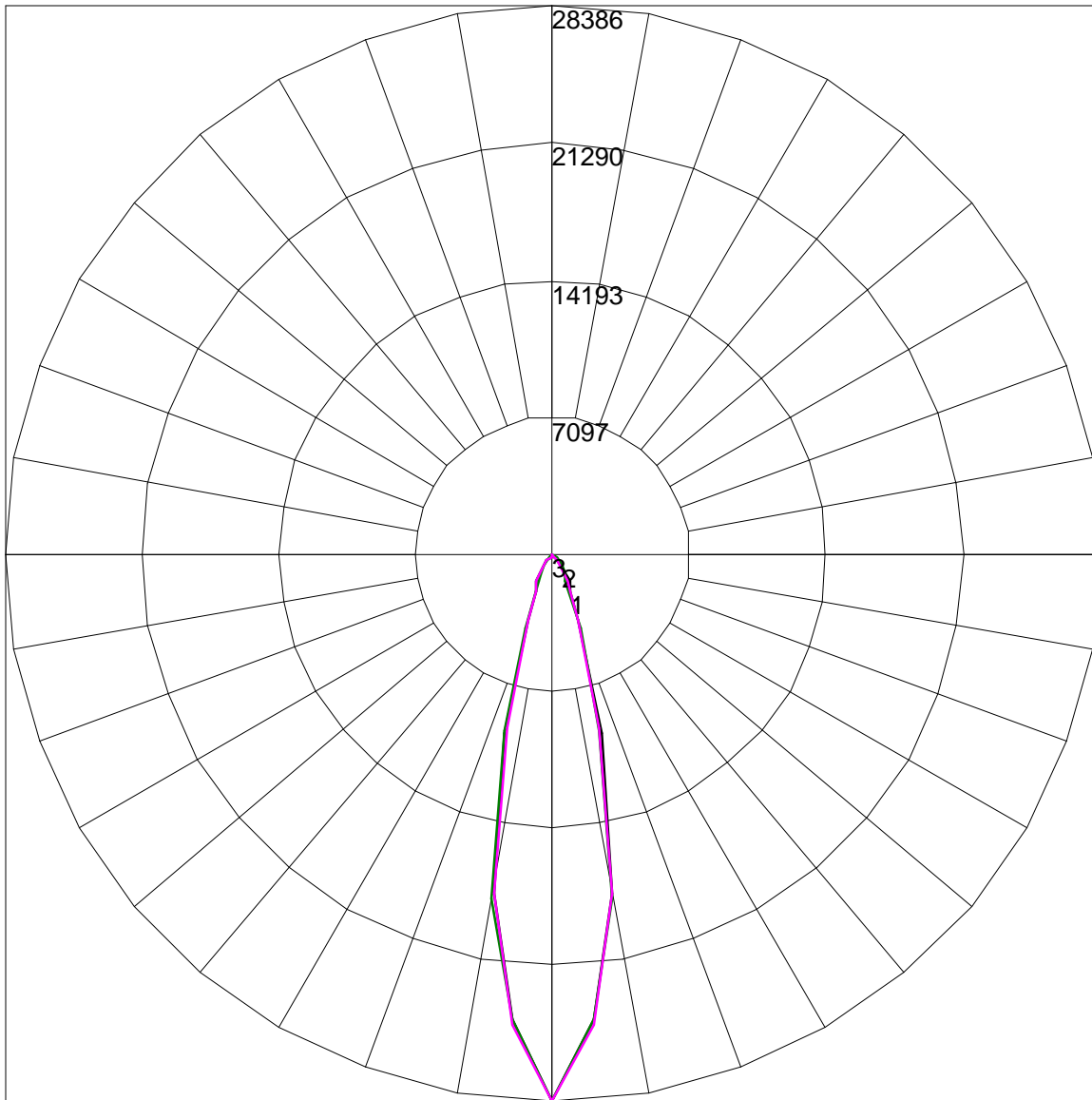
Effective Floor Cavity Reflectance 0.20

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	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	90	88	86
5	101	95	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	84
6	98	91	87	84	96	90	86	83	89	86	83	88	85	82	87	84	82	81
7	95	88	84	81	94	87	83	80	86	83	80	85	82	80	84	81	79	78
8	92	85	81	78	91	85	81	78	84	80	77	83	80	77	82	79	77	76
9	89	82	78	75	88	82	78	75	81	78	75	80	77	75	80	77	75	74
10	87	80	76	73	86	80	76	73	79	75	73	78	75	73	78	75	73	72

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POLAR GRAPH



Maximum Candela = 28386.388 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)