

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_49 ~ C1320YKSSXT-52LXXK-WDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_49_M-52L

[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-52L-xxK-WD-EX-MBI

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Wide 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] 44.2 Degree Beam Angle, 75.6 Degree Field Angle

[LAMPCAT] LED 1300lm

[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	3138
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	60
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.68
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	2603	1604	2405
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	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368
5	4336.912	4320.971	4436.497	4405.770	4316.917	4429.807	4341.100	4376.868	4385.365	4395.211
10	4732.855	4829.892	4804.971	4828.408	4772.331	4776.054	4757.417	4732.803	4704.307	4785.269
15	4306.684	4255.188	4338.638	4282.371	4261.322	4288.723	4347.647	4270.206	4330.997	4360.852
20	2925.062	2955.922	2994.896	3036.683	3085.589	3118.149	3102.068	3086.637	3144.926	3132.485
25	2142.611	2091.833	2027.763	2010.226	1952.340	1845.964	1738.493	1657.934	1575.704	1585.776
30	1425.926	1386.895	1271.244	1168.682	1087.939	1072.513	1076.111	1113.632	1067.326	1101.370
35	537.592	567.767	694.405	779.779	827.078	853.276	876.871	852.563	846.308	859.659
40	355.870	353.561	339.191	362.869	393.939	450.289	547.721	642.824	692.242	682.838
45	210.002	228.670	206.601	219.895	218.663	188.123	177.897	151.247	128.783	129.464
50	24.398	25.321	18.561	11.963	6.427	0.788	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	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368	4453.368
5	4333.557	4387.773	4328.111	4337.582	4356.703	4270.976	4396.561	4430.130	4345.322
10	4743.967	4735.910	4810.114	4644.684	4824.217	4806.805	4758.299	4763.657	4701.257
15	4363.011	4339.416	4321.507	4281.092	4284.379	4301.317	4267.916	4256.751	4246.546
20	3161.626	3140.506	3059.875	3091.304	3016.184	2981.646	3011.434	2978.349	3015.129
25	1570.962	1647.334	1723.397	1818.151	1971.551	2006.118	2101.265	2055.180	2125.542
30	1094.181	1130.977	1104.477	1096.888	1156.249	1174.433	1278.347	1384.126	1475.126
35	847.028	853.135	839.288	871.897	814.765	788.172	685.487	584.891	521.760
40	659.365	626.746	541.798	450.120	384.028	357.898	353.361	361.709	337.199
45	136.139	141.112	175.695	199.701	211.388	223.691	226.858	210.504	194.100
50	0.000	0.000	0.000	1.609	5.351	11.164	18.842	24.669	24.357
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	1576.69	N.A.	50.20
0-30	2477.62	N.A.	78.90
0-40	2974.22	N.A.	94.80
0-60	3138.25	N.A.	100.00
0-80	3138.25	N.A.	100.00
0-90	3138.25	N.A.	100.00
10-90	2706.11	N.A.	86.20
20-40	1397.53	N.A.	44.50
20-50	1559.76	N.A.	49.70
40-70	164.03	N.A.	5.20
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	3138.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	432.14
10-20	1144.55
20-30	900.93
30-40	496.60
40-50	162.23
50-60	1.80
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

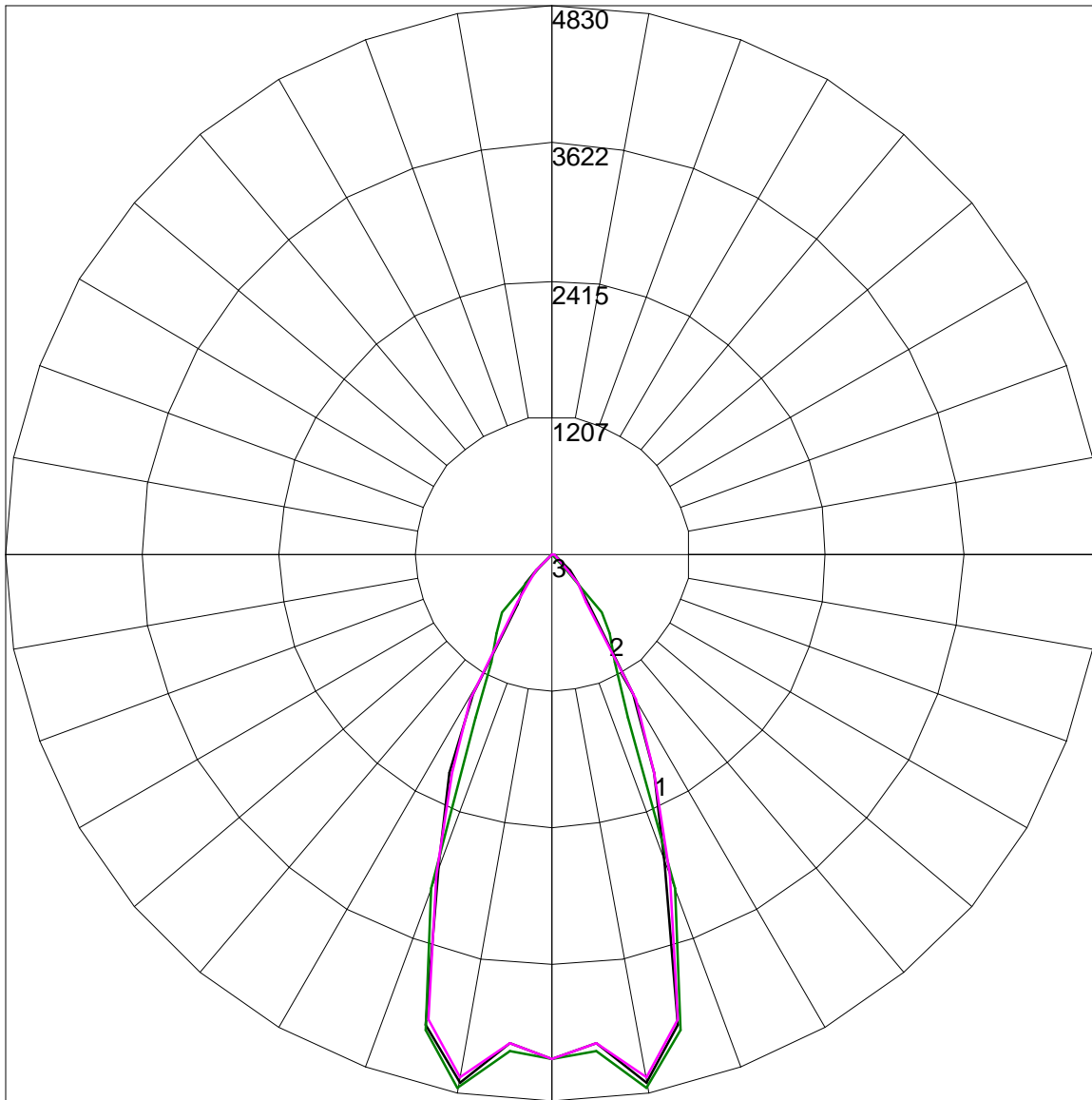
Effective Floor Cavity Reflectance 0.20

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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	90	87	85	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	68	76	72	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	68	65	72	68	64	72	67	64	71	67	64	63
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	64	61	59
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	64	61	58	56

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POLAR GRAPH



Maximum Candela = 4829.892 Located At Horizontal Angle = 5, 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)