

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_53 ~ C1320YKSSXT-120LXXK-XWEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_53_M-120L

[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-120L-xxK-XW-EX-MBI

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Xtra 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] 46.8 Degree Beam Angle, 77.4 Degree Field Angle

[LAMPCAT] LED 3000lm

[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	7533
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	138.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.72
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	5899	3770	5954
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	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898
5	11187.402	11000.172	11058.540	11225.233	11126.527	11192.550	10910.137	11258.227	10950.300	11149.518
10	10674.390	10529.887	10408.260	10468.044	10508.844	10382.868	10286.281	10521.768	10453.338	10446.912
15	9425.358	9544.224	9547.056	9441.714	9396.648	9372.144	9569.394	9446.094	9638.682	9593.910
20	7108.458	6997.182	6934.878	6985.296	7133.286	7114.752	7241.304	7279.644	7262.208	7318.824
25	5326.200	5257.950	5236.884	5274.492	5153.448	4874.412	4658.004	4429.650	4395.198	4320.822
30	3729.672	3641.520	3359.880	3210.672	3067.800	2890.914	2950.746	2955.978	2925.918	2946.876
35	1618.212	1642.860	1876.668	2025.360	2153.202	2161.584	2226.960	2181.498	2160.168	2099.472
40	822.678	908.562	829.134	862.302	926.790	1119.228	1284.186	1438.344	1578.966	1600.674
45	475.974	459.600	465.762	449.388	479.520	448.056	412.542	340.290	326.496	304.236
50	49.224	60.720	46.038	31.218	10.818	1.836	0.186	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	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898	11036.898
5	10932.750	10985.088	11205.540	11197.620	11326.044	11200.135	11241.090	11233.854	11008.620
10	10465.110	10483.452	10521.618	10467.546	10616.466	10476.870	10307.131	10522.014	10389.618
15	9507.336	9550.392	9411.012	9436.842	9462.144	9462.318	9533.886	9380.496	9591.288
20	7258.494	7253.526	7200.144	7001.112	7078.668	6994.944	6836.784	6943.950	6918.222
25	4322.760	4426.482	4547.076	4905.924	5059.848	5371.794	5274.396	5315.268	5276.520
30	2899.164	2956.308	2947.422	2932.596	3040.278	3189.264	3342.216	3644.784	3629.364
35	2119.584	2094.546	2234.478	2222.454	2139.852	2053.866	1867.584	1602.486	1642.494
40	1566.312	1424.076	1301.922	1062.006	972.222	923.034	855.810	873.306	883.566
45	309.816	337.938	394.668	453.930	471.756	483.390	472.584	469.242	480.480
50	0.000	0.000	0.000	1.308	13.650	30.180	41.958	53.886	62.334
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	3588.59	N.A.	47.60
0-30	5864.4	N.A.	77.80
0-40	7153.00	N.A.	95.00
0-60	7533.32	N.A.	100.00
0-80	7533.32	N.A.	100.00
0-90	7533.32	N.A.	100.00
10-90	6495.87	N.A.	86.20
20-40	3564.41	N.A.	47.30
20-50	3940.53	N.A.	52.30
40-70	380.32	N.A.	5.00
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	7533.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1037.45
10-20	2551.14
20-30	2275.81
30-40	1288.6
40-50	376.12
50-60	4.20
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

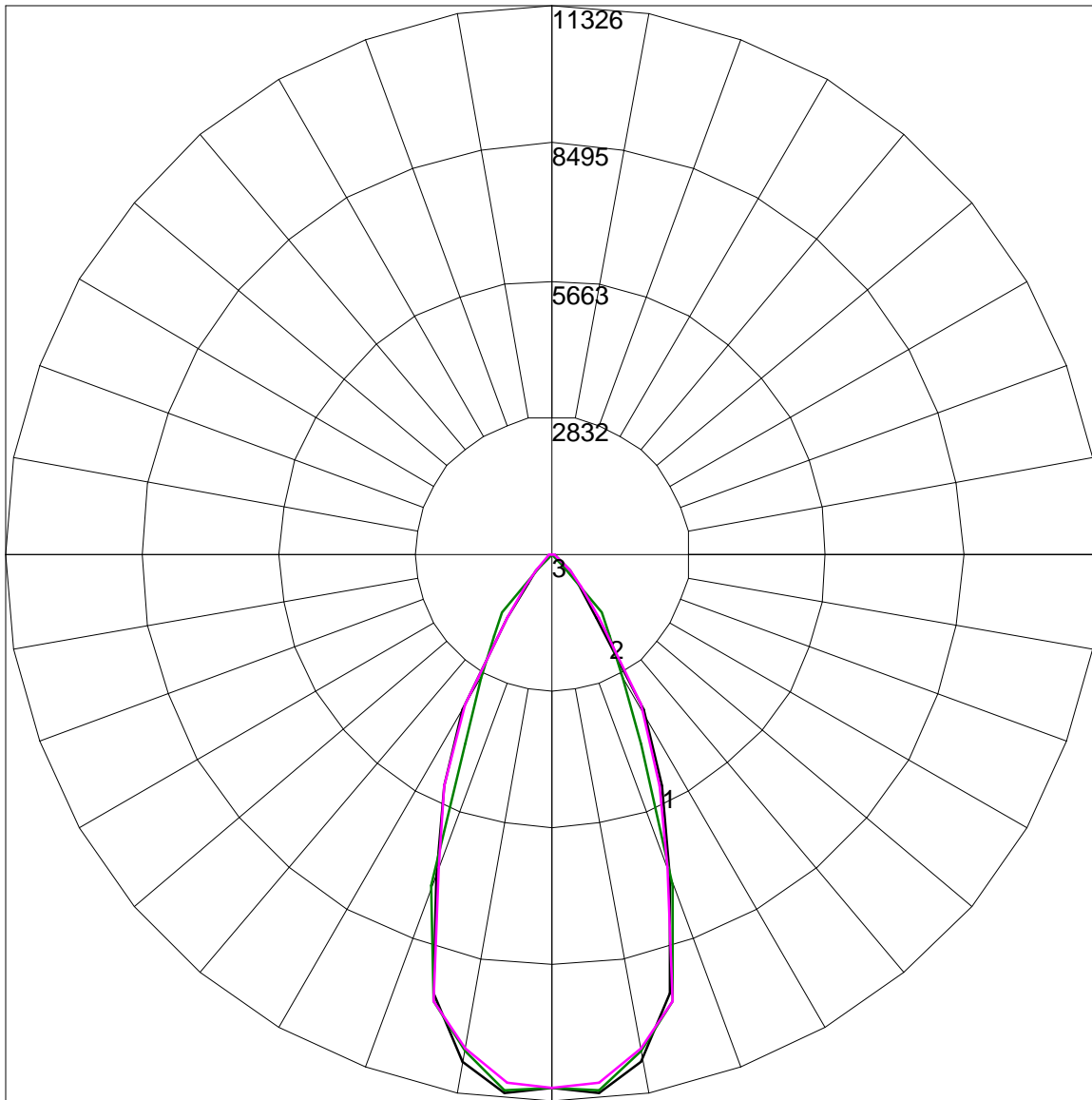
Effective Floor Cavity Reflectance 0.20

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	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	82	87	83	81	85	82	80	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62
9	79	70	64	61	78	69	64	61	68	64	60	68	63	60	67	63	60	59
10	75	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 11326.044 Located At Horizontal Angle = 70, Vertical Angle = 5

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)