

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_47 ~ C1320YKFSXT-120LXXK-WDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_47_M-120L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/16/2017

[UPDATE] 11/06/2017

[LUMCAT] C1320YKFSXT-120L-xxK-WD-EX-MBI

[LUMINAIRE] Nom. 15" Diam. x 25" H Cylinder Downlight, Yoke Mounted, Wide 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] 53.1 Degree Beam Angle, 87.9 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	9350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	138.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.88
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	7228	12875	7605
55	432	251	508
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	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733
5	10007.850	10051.212	9945.996	10267.554	9898.081	9822.726	10344.462	10172.652	10088.262	9995.100
10	10951.224	10980.583	10997.490	11162.466	10928.281	11007.468	10993.212	11102.448	11144.640	10937.070
15	10325.370	10049.827	10039.644	10126.254	10210.879	10179.750	10232.922	9999.594	10068.918	10189.356
20	8439.102	8381.142	8410.188	8333.844	8455.644	8312.910	8348.568	8244.438	8539.770	8319.318
25	6254.808	6372.996	6292.902	6294.366	6223.026	6380.466	6389.664	6356.286	6328.074	6288.114
30	4150.188	4184.208	4201.956	4271.064	4281.936	4378.518	4543.560	4636.488	4726.440	4702.440
35	3121.446	3063.030	3111.186	3147.288	2989.920	2944.650	2686.992	2493.408	2402.316	2432.382
40	2295.054	2232.018	2005.596	1867.134	1674.672	1668.702	1665.186	1612.932	1590.498	1674.012
45	583.266	660.696	804.048	961.350	1035.474	1045.728	1063.368	1016.154	1064.736	1038.930
50	231.324	217.662	216.834	221.862	243.954	308.820	368.634	412.254	427.020	445.620
55	28.278	34.530	31.890	31.530	29.538	28.884	25.008	22.092	22.542	16.452
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	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733	10254.733
5	10131.288	9863.856	10058.574	10071.331	9951.558	10112.814	9896.172	10160.496	10116.054
10	10891.633	10883.479	10852.962	11041.920	10960.296	11072.142	10985.568	10858.290	10112.622
15	9991.572	10102.092	9994.290	10148.616	10096.362	10188.948	10211.406	10103.874	10345.722
20	8236.704	8375.886	8409.852	8411.100	8337.978	8460.852	8363.430	8291.862	8231.556
25	6329.574	6383.382	6460.452	6369.678	6289.524	6201.060	6312.426	6437.394	6408.822
30	4775.340	4631.844	4534.848	4335.306	4232.856	4080.786	4180.458	4127.724	4086.522
35	2451.756	2515.278	2638.644	2843.448	3056.370	3125.262	3089.442	3066.858	3105.108
40	1644.798	1627.380	1623.786	1656.306	1715.868	1865.328	2029.188	2162.832	2297.094
45	1040.160	1032.414	1020.438	1036.476	1045.632	924.876	814.092	651.252	613.698
50	422.358	422.580	376.614	318.216	253.104	221.208	196.512	205.662	202.236
55	24.726	22.116	26.076	32.004	34.536	30.408	39.558	35.550	33.264
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	3771.7	N.A.	40.30
0-30	6670.32	N.A.	71.30
0-40	8511.38	N.A.	91.00
0-60	9350.42	N.A.	100.00
0-80	9350.42	N.A.	100.00
0-90	9350.42	N.A.	100.00
10-90	8355.11	N.A.	89.40
20-40	4739.68	N.A.	50.70
20-50	5499.42	N.A.	58.80
40-70	839.04	N.A.	9.00
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	9350.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	995.31
10-20	2776.39
20-30	2898.62
30-40	1841.06
40-50	759.74
50-60	79.30
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

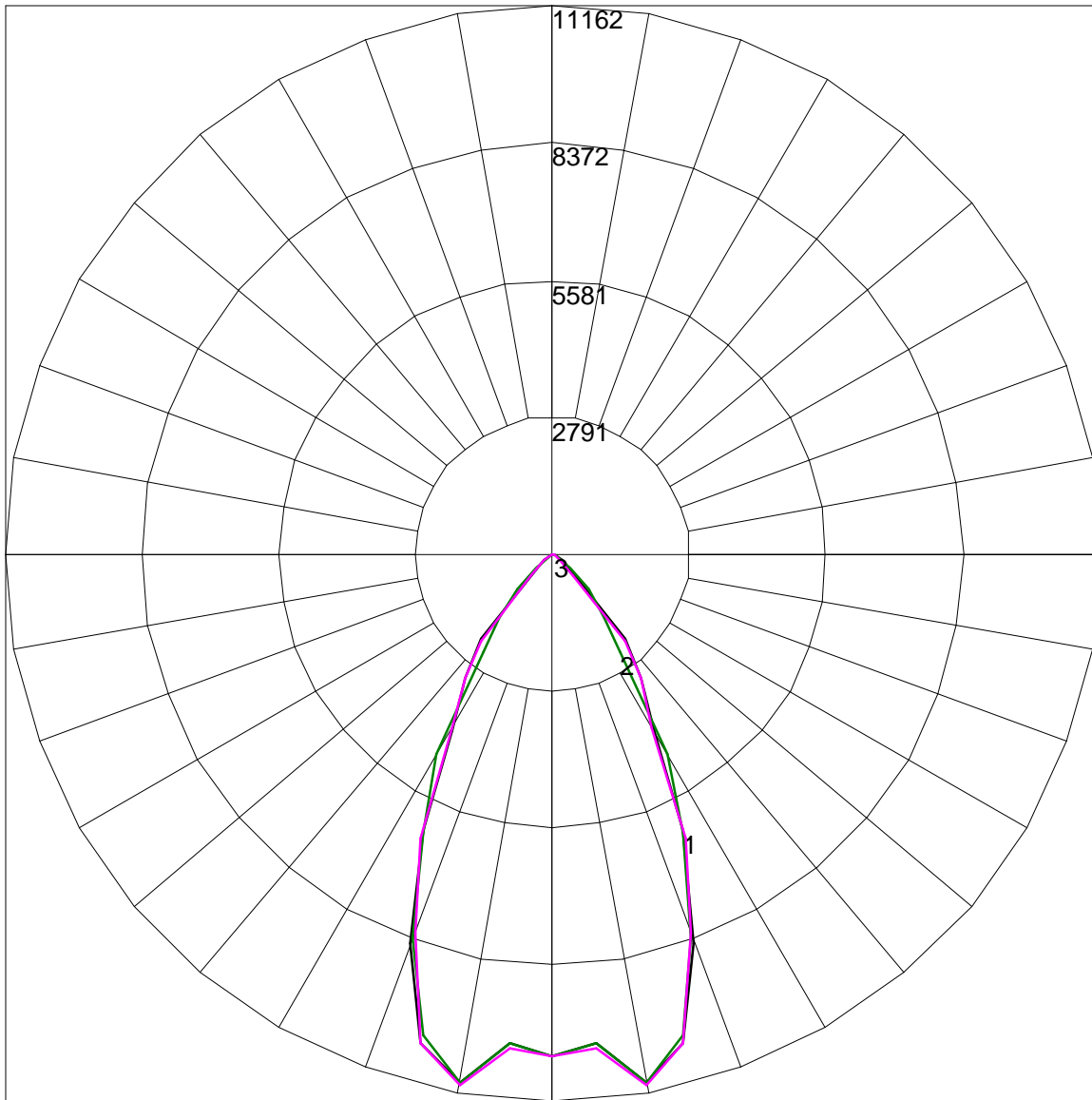
Effective Floor Cavity Reflectance 0.20

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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51

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POLAR GRAPH



Maximum Candela = 11162.466 Located At Horizontal Angle = 15, 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)