

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_43 ~ C1320YKFSXT-120LXXK-NDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_43_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-ND-EX-MBI

[LUMINAIRE] Nom. 15" Diam. x 25" H Cylinder Downlight, Yoke Mounted, 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] 24.8 Degree Beam Angle, 52 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	10743
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	138.4
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	827	838	875
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	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731
5	36434.394	36760.305	36171.363	36585.240	36493.548	36703.855	36161.636	36289.136	36724.255	36586.724
10	27245.166	26800.370	27115.440	26823.066	26983.993	27232.286	26949.032	26883.308	26783.478	27150.932
15	14282.761	14455.777	14431.933	14454.907	14356.813	14432.772	14323.309	14248.033	14288.166	14253.931
20	6384.462	6480.552	6445.032	6600.810	6478.038	6502.986	6555.912	6407.484	6507.198	6459.714
25	4487.454	4362.798	4503.168	4524.732	4430.454	4390.254	4456.770	4512.432	4578.504	4410.528
30	3126.888	3054.390	3019.560	3129.300	3139.764	3210.948	3252.852	3448.242	3548.454	3577.416
35	1866.162	1819.488	1874.196	1891.860	1785.090	1759.770	1662.036	1511.730	1445.124	1380.990
40	743.706	754.986	703.842	643.080	553.116	478.110	454.788	466.404	481.398	461.250
45	66.768	66.846	64.098	76.248	72.972	67.296	67.998	75.276	71.190	67.596
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. 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	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731	42163.731
5	36552.217	36453.475	36795.566	36092.821	36777.620	36203.336	36334.063	36548.797	36096.948
10	26701.974	26863.778	26913.343	27098.863	26860.128	26763.032	27149.544	26978.108	26800.674
15	14198.503	14261.124	14128.999	14498.820	14086.009	14243.455	14418.655	14276.316	14092.201
20	6573.534	6579.636	6562.794	6482.514	6435.144	6386.568	6604.854	6656.442	6409.950
25	4570.260	4516.542	4496.346	4510.386	4421.754	4390.896	4467.006	4407.072	4570.404
30	3586.398	3515.712	3357.054	3297.684	3204.018	3036.018	3120.684	3111.636	3166.602
35	1425.084	1515.630	1673.382	1712.808	1842.480	1793.532	1818.564	1818.144	1818.690
40	473.754	471.636	465.276	476.946	530.046	630.702	684.846	736.182	750.978
45	74.340	72.624	71.286	72.030	68.214	69.678	62.736	61.194	70.578
50	0.000	0.186	0.000	0.000	0.186	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	7371.55	N.A.	68.60
0-30	9501.8	N.A.	88.40
0-40	10610.64	N.A.	98.80
0-60	10742.61	N.A.	100.00
0-80	10742.61	N.A.	100.00
0-90	10742.61	N.A.	100.00
10-90	7533.78	N.A.	70.10
20-40	3239.09	N.A.	30.20
20-50	3371.06	N.A.	31.40
40-70	131.97	N.A.	1.20
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	10742.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	3208.83
10-20	4162.72
20-30	2130.25
30-40	1108.84
40-50	131.96
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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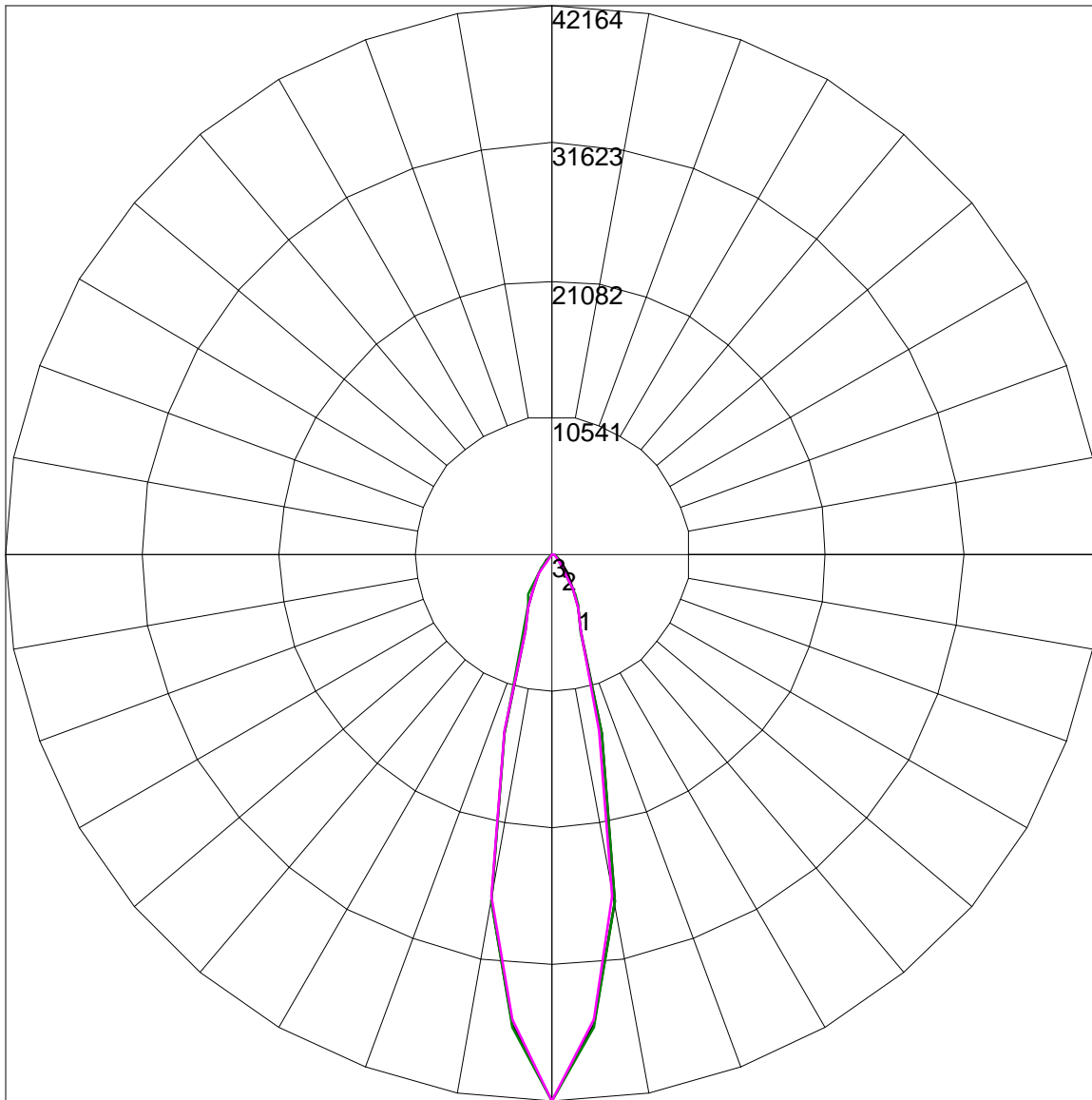
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	89	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	83	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	85	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	80	75	72	86	79	75	72	78	74	72	78	74	72	77	74	71	70
10	84	77	73	70	84	77	72	70	76	72	69	75	72	69	75	71	69	68

POLAR GRAPH



Maximum Candela = 42163.731 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)