

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_35 ~ C1320YKSSXT-200LXXK-MDEX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_35_M-200L

[TESTLAB] Photopia 2017.2.0 see: www.ltiopics.com/ies

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/01/2017

[UPDATE] 11/07/2017

[LUMCAT] C1320YKSSXT-200L-xxK-MD-EX-MWI

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

[OTHER] Integral Straight 3" Matte White (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] 37.2 Degree Beam Angle, 74.9 Degree Field Angle

[LAMPCAT] LED 5000lm

[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 120L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15545
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	207
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.56
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.08 ft (Diameter)
Luminous Width (90-270)	1.08 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_35 ~ C1320YKSSXT-200LXXK-MDEX-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	34866	21639	29374
55	14001	13724	14643
65	15494	15232	16142
75	14914	13405	12136
85	10369	9083	8297

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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	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561
5	23704.820	24351.070	23501.600	23450.070	24060.100	23929.850	24411.410	23651.480	23466.480	23497.279
10	20411.180	20842.301	20640.100	20462.061	21435.770	21205.910	21183.789	20886.980	19882.189	21388.211
15	15356.610	15278.110	15052.140	15171.930	14944.470	15047.590	15179.620	15685.890	15545.680	15270.290
20	12357.820	11823.960	11445.960	11600.150	11519.020	11516.390	11293.630	11702.720	11777.620	10921.020
25	9306.945	9190.988	8841.735	8987.414	8307.261	7597.003	7326.882	7358.822	7225.112	6519.687
30	6219.844	6370.891	5698.573	5707.058	5243.665	5279.222	4756.685	4994.299	4954.324	4920.317
35	2461.626	2869.607	3433.720	3665.583	3964.143	3772.771	4111.406	3882.526	3728.429	3912.399
40	2260.102	2294.592	2264.536	2310.495	2264.420	2586.067	2970.727	3138.194	3217.427	3548.393
45	2111.906	1947.606	1850.003	1671.734	1898.130	1574.098	1544.809	1378.492	1347.803	1310.679
50	921.234	905.981	899.880	816.663	801.794	753.117	703.907	745.532	679.186	735.697
55	687.921	722.278	710.442	761.386	716.660	742.982	710.525	692.739	664.216	674.285
60	684.237	702.090	679.769	670.101	634.410	644.529	618.474	598.303	677.485	593.719
65	560.929	538.241	516.353	559.912	561.412	558.278	572.381	565.880	560.629	551.427
70	418.334	408.882	454.941	406.415	437.504	405.498	439.855	429.919	411.832	407.165
75	330.649	286.441	283.007	314.446	342.852	281.690	336.651	274.588	324.632	297.193
80	174.618	191.455	179.086	160.015	167.417	172.735	161.449	172.801	202.857	171.684
85	77.415	60.479	57.878	45.759	61.096	53.861	61.046	56.645	58.695	67.814
90	0.000	0.917	0.350	1.034	0.450	1.300	3.784	0.383	0.383	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	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561	26381.561
5	23542.840	24360.689	23481.260	25018.850	24002.000	24079.320	23514.240	24122.391	24578.350
10	21094.320	20320.500	20621.910	20775.240	20508.119	21180.840	20855.221	20117.340	21641.199
15	14792.580	15392.200	16038.890	15763.290	15522.090	15273.090	14739.210	15571.700	14906.550
20	10557.540	11117.360	11354.770	11485.780	11380.280	12004.980	11212.360	12045.160	12151.230
25	6907.331	7074.715	7660.649	8041.558	8510.419	8945.872	9241.448	8696.289	9351.937
30	4885.427	4692.355	4625.175	5115.990	4777.355	5367.440	5641.162	6655.814	6620.174
35	3801.960	3915.316	3792.375	3815.430	3927.202	3716.593	3207.725	2974.695	2870.607
40	3400.997	3023.355	2925.952	2604.421	2466.910	2152.897	2278.506	1928.152	2367.240
45	1390.261	1468.244	1598.620	1729.413	1807.778	1836.217	1763.053	1850.370	1779.239
50	705.624	748.350	682.036	757.401	738.431	752.517	851.570	910.782	934.870
55	704.791	684.487	685.454	718.944	694.539	706.008	705.308	759.569	719.444
60	672.651	600.370	667.267	621.741	692.255	617.157	649.447	649.130	662.699
65	544.776	578.482	567.030	574.582	557.712	555.861	581.350	615.957	584.384
70	416.350	430.153	429.036	478.912	427.102	429.203	428.402	445.106	442.922
75	288.524	299.327	284.874	268.204	282.790	302.677	287.841	285.290	269.054
80	189.255	183.153	175.018	160.532	171.251	188.671	210.359	158.065	159.332
85	61.179	58.112	51.010	46.059	52.927	52.527	49.743	64.896	61.946
90	2.967	0.000	0.733	0.000	0.000	0.300	0.350	0.000	0.250

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Zone	Lumens	%Lamp	%Fixt
0-20	6551.5	N.A.	42.10
0-30	10307.52	N.A.	66.30
0-40	12672.8	N.A.	81.50
0-60	14603.57	N.A.	93.90
0-80	15465.34	N.A.	99.50
0-90	15544.79	N.A.	100.00
10-90	13343.56	N.A.	85.80
20-40	6121.3	N.A.	39.40
20-50	7413.83	N.A.	47.70
40-70	2476.22	N.A.	15.90
60-80	861.78	N.A.	5.50
70-80	316.32	N.A.	2.00
80-90	79.44	N.A.	0.50
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	15544.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2201.23
10-20	4350.28
20-30	3756.02
30-40	2365.28
40-50	1292.53
50-60	638.24
60-70	545.45
70-80	316.32
80-90	79.44
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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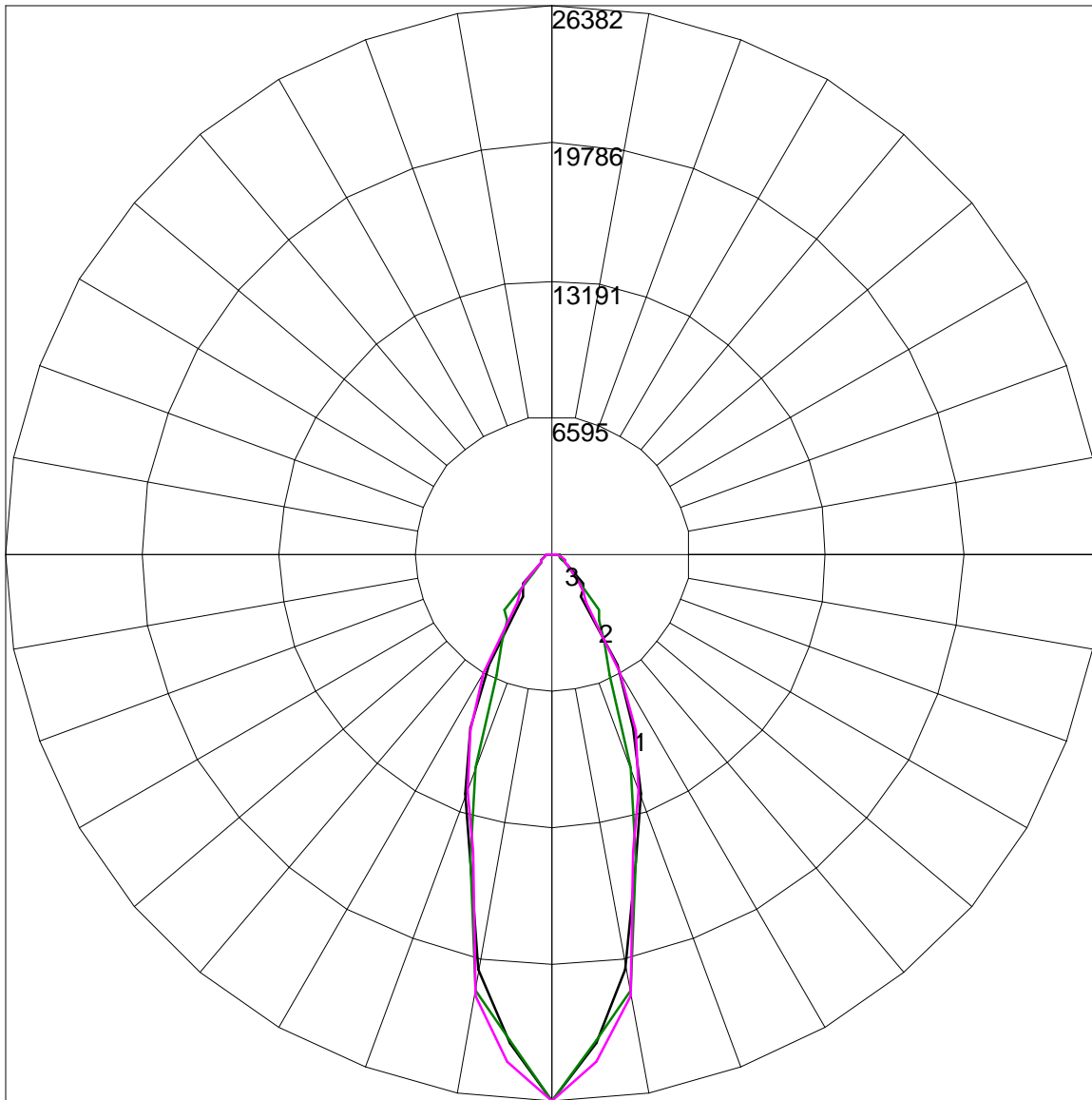
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	89	93	90	88	90	88	86	84
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	75	71	89	80	75	70	79	73	70	77	72	69	75	71	68	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59
8	78	68	62	58	77	67	61	57	66	61	57	65	60	57	64	60	57	55
9	74	64	58	54	73	64	58	54	63	58	54	62	57	54	61	57	54	52
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	58	54	51	49

POLAR GRAPH



Maximum Candela = 26381.561 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)