

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00424_34 ~ C1320YKSSXT-200LXXK-MDEX-MBI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00424_34_M-200L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 8/01/2017

[UPDATE] 11/07/2017

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

[LUMINAIRE] Nom. 13" Diam. x 26.5" H Cylinder Downlight, Yoke Mounted, Medium 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] 34.4 Degree Beam Angle, 69 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	12211
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	207
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.56
Spacing Criterion (90-270)	0.54
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	16427	8624	15546
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	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119
5	23535.141	23717.189	23748.150	23551.961	24261.551	23968.480	23619.471	23633.330	23433.490	23982.811
10	20046.961	20392.490	20524.551	20617.609	20305.461	20401.500	20159.449	20761.990	20673.689	20369.510
15	14820.680	14482.650	14451.260	14875.310	14641.060	14857.210	14890.750	14985.160	14840.470	14954.110
20	10399.110	10514.170	10413.750	10404.950	10284.140	10712.240	10838.380	10655.900	10788.960	10934.070
25	7844.569	7808.095	8124.792	7699.740	7506.901	7046.026	6775.672	6579.783	6270.737	6243.599
30	5360.472	5167.267	4961.426	4543.675	4305.744	4298.360	4183.603	4282.273	4237.831	4334.467
35	1640.211	1895.129	2220.544	2713.293	3024.822	3103.171	3056.061	3137.427	3083.250	3079.399
40	1316.030	1304.161	1251.617	1368.324	1495.149	1772.404	2063.663	2287.808	2618.957	2715.143
45	994.982	1030.606	1009.235	951.624	952.724	920.984	763.869	647.363	527.039	522.388
50	111.972	102.804	82.783	48.093	20.187	3.601	0.300	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	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119	25783.119
5	24052.289	24075.980	23266.150	23512.670	23800.109	23448.520	24264.539	23069.051	23817.551
10	20516.350	20377.840	20490.180	20460.471	20554.590	20427.350	20401.609	20285.320	20394.449
15	14984.510	14900.080	14879.560	14713.680	14602.170	14855.500	14477.110	14570.960	14303.130
20	10667.630	10498.020	10474.500	10554.040	10682.490	10629.560	10420.780	10356.490	10560.840
25	6391.445	6666.733	6746.633	7210.725	7442.222	7862.789	8093.652	7893.579	8072.164
30	4284.490	4175.318	4176.585	4346.369	4344.386	4643.195	4832.750	5230.296	5242.015
35	3219.144	3128.842	3019.271	3077.015	2972.094	2814.313	2291.958	1942.722	1695.222
40	2598.136	2350.220	2101.704	1678.969	1508.102	1268.337	1391.128	1332.533	1342.268
45	545.309	682.937	768.654	905.064	967.193	984.247	984.247	1042.992	941.638
50	0.000	0.000	0.000	3.967	14.820	46.693	80.633	105.538	109.322
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	6346.55	N.A.	52.00
0-30	9705.08	N.A.	79.50
0-40	11536.53	N.A.	94.50
0-60	12211.07	N.A.	100.00
0-80	12211.07	N.A.	100.00
0-90	12211.07	N.A.	100.00
10-90	10039.17	N.A.	82.20
20-40	5189.97	N.A.	42.50
20-50	5857.03	N.A.	48.00
40-70	674.55	N.A.	5.50
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	12211.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2171.9
10-20	4174.65
20-30	3358.52
30-40	1831.45
40-50	667.06
50-60	7.49
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

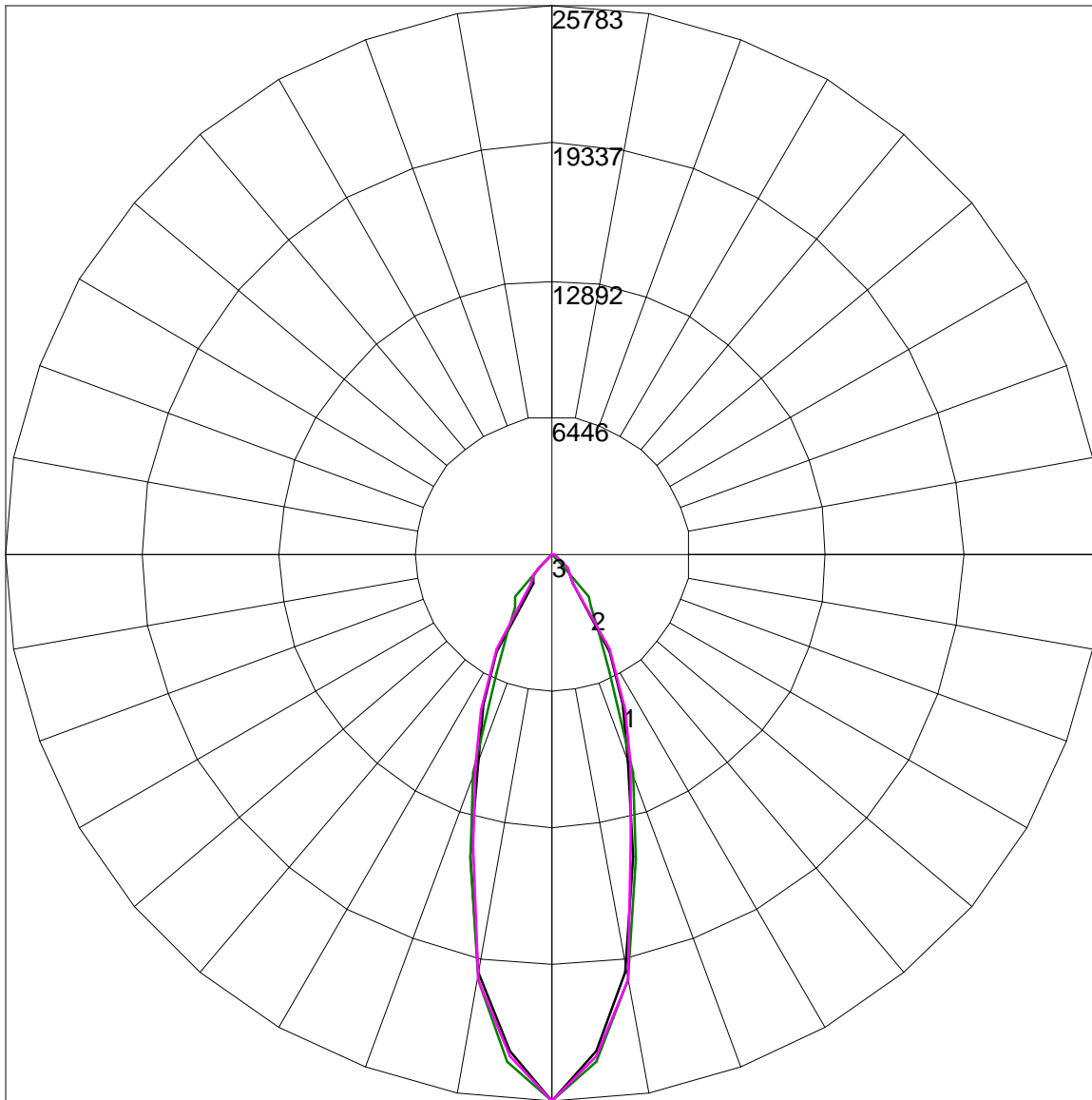
Effective Floor Cavity Reflectance 0.20

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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	80	72	67	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60	67	62	60	66	62	59	58

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POLAR GRAPH



Maximum Candela = 25783.119 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)