

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_2 ~ C08XXXT-13LXXK-MDEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592_2_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C08xxXT-13L-xxK-MD-EX-TSG-NL
[LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
[OTHER] Data applicable to: 12"H and 18" H Cylinders
[OTHER] Upper, Internal Reflector, Medium Beam
[OTHER] Lower Trim, Semi-diffuse, Clear Anodized Aluminum
[OTHER] No Lens
[OTHER] 37.7 Degree Beam Angle
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 83 CRI
[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 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1118
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.66
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.68 ft (Diameter)
Luminous Width (90-270)	0.68 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	866	908	613
55	71	107	69
65	48	58	44
75	76	76	77
85	311	198	219

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2143.162	2143.162	2143.162	2143.162	2143.162
5	2030.264	2044.682	2027.470	2036.948	1998.874
10	1735.675	1764.733	1735.858	1755.665	1687.494
15	1349.923	1381.415	1352.453	1375.227	1302.186
20	988.031	1015.865	992.895	1011.198	951.801
25	710.972	730.672	715.344	726.585	684.258
30	504.189	518.676	504.914	511.019	471.516
35	297.888	318.072	298.363	306.617	260.486
40	105.392	124.685	108.655	117.685	84.506
45	20.386	18.115	21.366	19.173	14.430
50	4.201	5.050	5.375	4.895	3.500
55	1.360	1.808	2.035	1.777	1.325
60	0.749	0.909	1.021	0.810	0.722
65	0.672	0.787	0.815	0.705	0.612
70	0.881	0.745	0.679	0.573	0.776
75	0.656	0.677	0.654	0.853	0.666
80	0.658	0.660	0.616	0.848	0.587
85	0.903	0.691	0.574	0.702	0.636
90	0.516	0.364	0.620	0.392	0.832

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Zone	Lumens	%Lamp	%Fixt
0-20	562.99	N.A.	50.30
0-30	897.66	N.A.	80.30
0-40	1085.12	N.A.	97.00
0-60	1116.12	N.A.	99.80
0-80	1117.62	N.A.	99.90
0-90	1118.32	N.A.	100.00
10-90	933.45	N.A.	83.50
20-40	522.13	N.A.	46.70
20-50	551.11	N.A.	49.30
40-70	31.76	N.A.	2.80
60-80	1.50	N.A.	0.10
70-80	0.74	N.A.	0.10
80-90	0.70	N.A.	0.10
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	1118.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	184.87
10-20	378.12
20-30	334.67
30-40	187.46
40-50	28.98
50-60	2.02
60-70	0.76
70-80	0.74
80-90	0.70
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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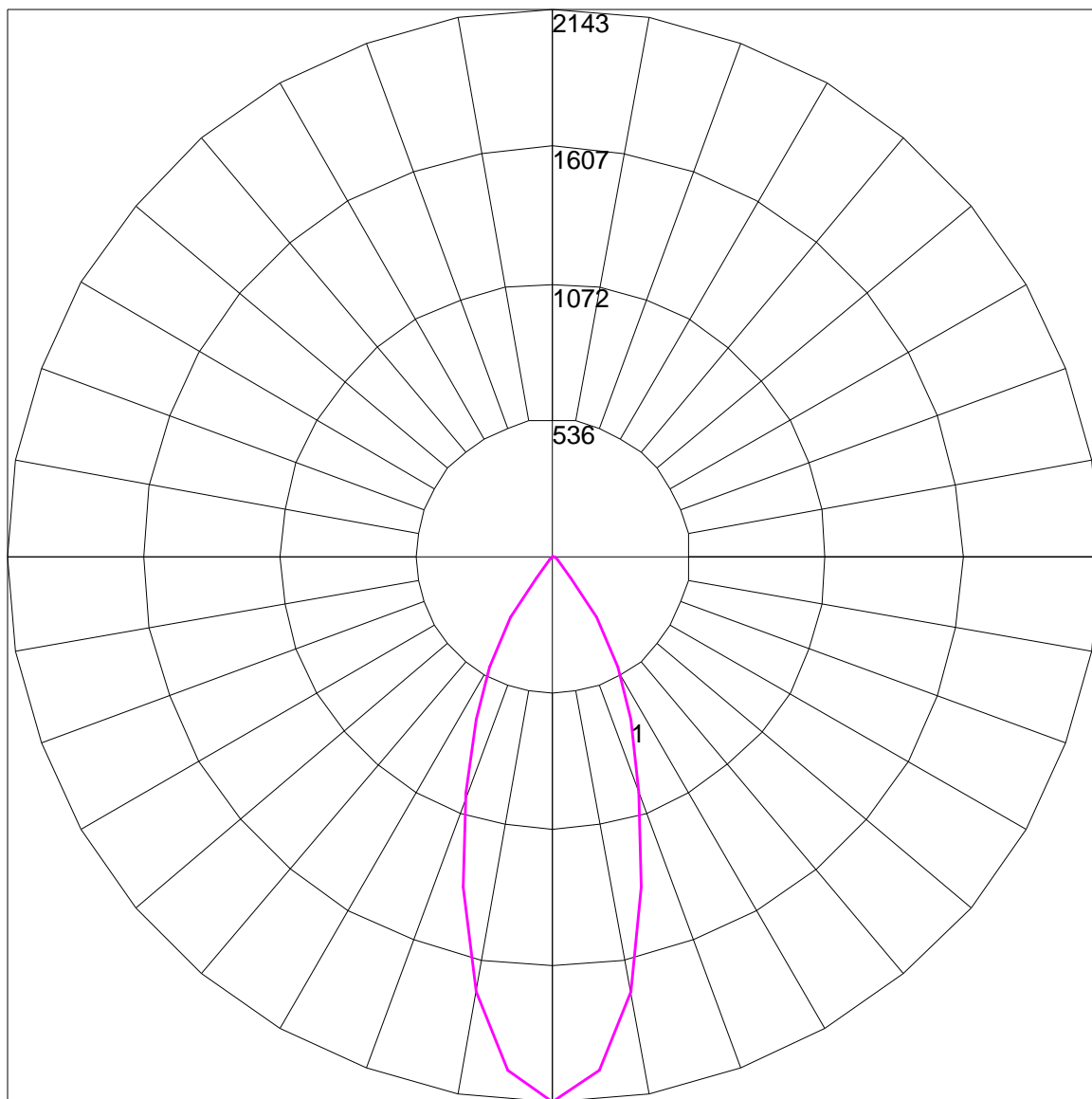
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	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	98	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	82	77	74	81	77	73	80	76	73	78	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	69	66	74	69	66	73	68	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62	69	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 2143.162 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)