

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_9 ~ C08XXXT-13LXXK-WDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592_9_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/27/2018
[LUMCAT] C08xxXT-13L-xxK-WD-EX-TSG-GL
[LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
[OTHER] Data applicable to: 12"H and 18" H Cylinders
[OTHER] Upper, Internal Reflector, Wide Beam
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
[OTHER] Frosted Glass Lens, Regressed in Lower Trim
[OTHER] 43.6 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	1044
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
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	1048	1065	955
55	162	127	110
65	53	47	42
75	48	48	58
85	167	162	300

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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	1668.774	1668.774	1668.774	1668.774	1668.774
5	1610.115	1626.781	1619.051	1613.955	1602.763
10	1446.987	1480.562	1467.552	1458.705	1438.323
15	1192.163	1238.187	1220.333	1213.232	1188.183
20	912.917	953.859	936.342	934.751	912.168
25	692.901	719.748	706.048	706.403	691.035
30	508.030	535.581	517.875	516.777	502.472
35	301.623	332.041	312.927	308.877	286.514
40	110.232	125.097	115.194	107.834	101.198
45	24.659	31.774	25.070	25.583	22.465
50	9.477	9.422	8.955	8.872	8.780
55	3.092	2.634	2.431	2.409	2.105
60	1.125	0.768	0.937	0.734	0.793
65	0.740	0.744	0.658	0.487	0.593
70	0.544	0.684	0.815	0.764	0.578
75	0.413	0.741	0.411	0.423	0.497
80	0.569	0.492	0.654	0.561	0.712
85	0.484	0.525	0.470	0.810	0.871
90	0.665	0.583	0.604	0.614	0.821

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Zone	Lumens	%Lamp	%Fixt
0-20	485.44	N.A.	46.50
0-30	812.51	N.A.	77.80
0-40	1005.84	N.A.	96.30
0-60	1042.25	N.A.	99.80
0-80	1043.56	N.A.	99.90
0-90	1044.23	N.A.	100.00
10-90	894.81	N.A.	85.70
20-40	520.39	N.A.	49.80
20-50	553.50	N.A.	53.00
40-70	37.11	N.A.	3.60
60-80	1.31	N.A.	0.10
70-80	0.61	N.A.	0.10
80-90	0.67	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	1044.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	149.42
10-20	336.03
20-30	327.06
30-40	193.33
40-50	33.11
50-60	3.30
60-70	0.70
70-80	0.61
80-90	0.67
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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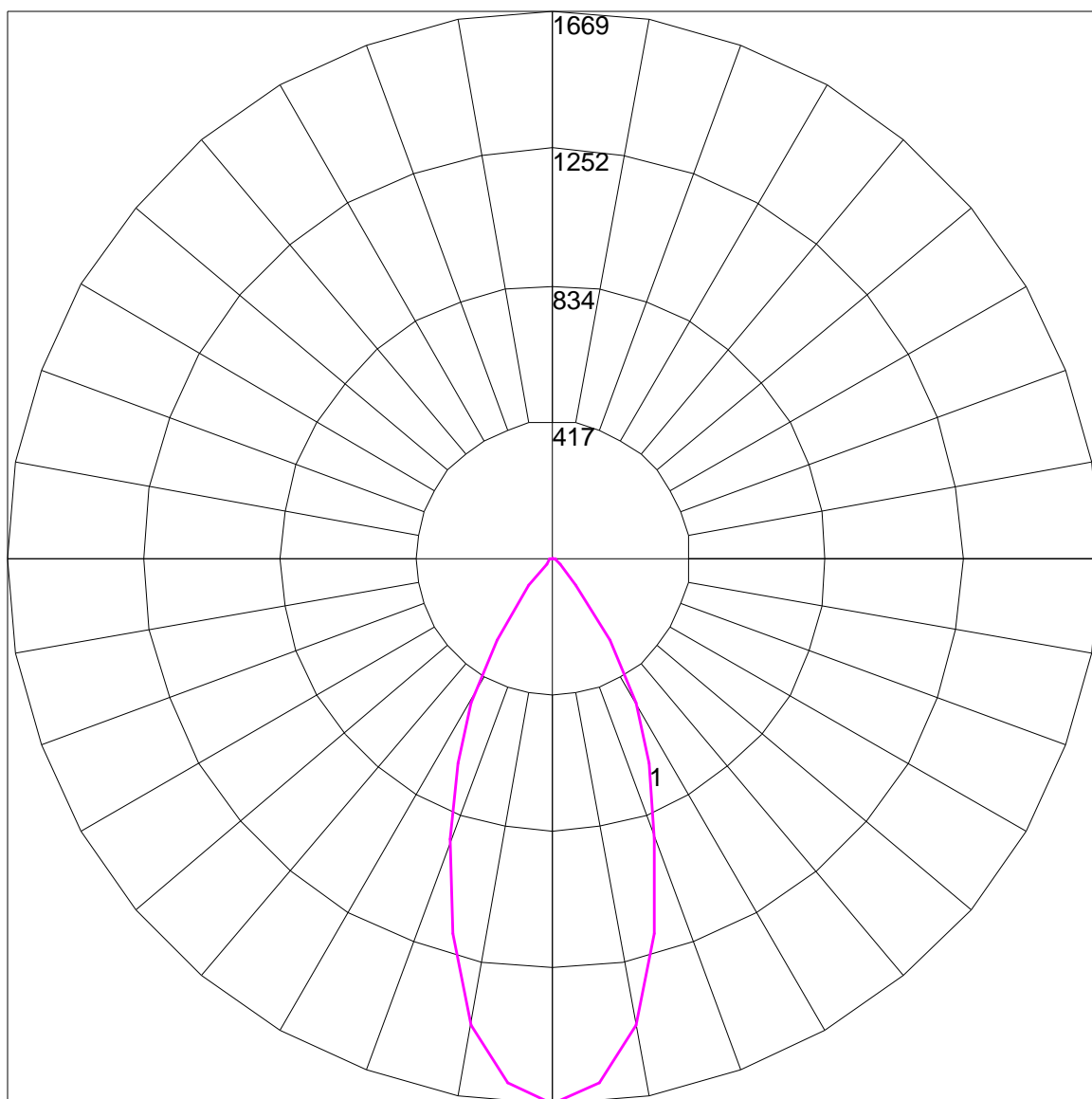
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	82	87	83	81	85	82	80	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 1668.774 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)