

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00592_1 ~ C08XXXT-20LXXK-MDEX-TSG-GL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592_1_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C08xxXT-20L-xxK-MD-EX-TSG-GL
 [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 Alum.
 [OTHER] Clear Glass Lens, Regressed in Lower Trim
 [OTHER] 36.7 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	1634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.58
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	1067	1148	888
55	124	146	141
65	58	69	81
75	103	128	126
85	232	343	340

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3200.267	3200.267	3200.267	3200.267	3200.267
5	3015.347	3051.375	3030.296	3004.221	2970.413
10	2553.211	2631.070	2582.012	2555.847	2492.559
15	1960.251	2055.403	1997.483	1983.694	1915.213
20	1426.437	1504.837	1462.323	1456.727	1405.971
25	1025.513	1083.322	1055.999	1054.887	1019.402
30	718.991	764.840	750.892	741.310	711.633
35	403.990	462.606	435.536	433.642	391.630
40	122.096	175.030	130.213	152.878	111.530
45	25.106	25.817	27.010	22.350	20.892
50	6.448	8.547	8.864	7.308	7.325
55	2.375	2.719	2.778	3.059	2.686
60	1.283	1.241	1.167	1.467	1.175
65	0.810	1.027	0.975	0.922	1.138
70	1.089	0.927	1.191	1.430	0.703
75	0.887	1.078	1.101	1.051	1.087
80	0.531	1.339	0.911	0.707	0.856
85	0.674	1.111	0.995	0.838	0.985
90	0.614	0.287	0.677	0.347	0.763

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Zone	Lumens	%Lamp	%Fixt
0-20	829.93	N.A.	50.80
0-30	1321.07	N.A.	80.80
0-40	1590.29	N.A.	97.30
0-60	1631.26	N.A.	99.80
0-80	1633.43	N.A.	99.90
0-90	1634.33	N.A.	100.00
10-90	1359.9	N.A.	83.20
20-40	760.36	N.A.	46.50
20-50	798.07	N.A.	48.80
40-70	42.05	N.A.	2.60
60-80	2.17	N.A.	0.10
70-80	1.09	N.A.	0.10
80-90	0.90	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	1634.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	274.42
10-20	555.51
20-30	491.14
30-40	269.22
40-50	37.71
50-60	3.26
60-70	1.08
70-80	1.09
80-90	0.90
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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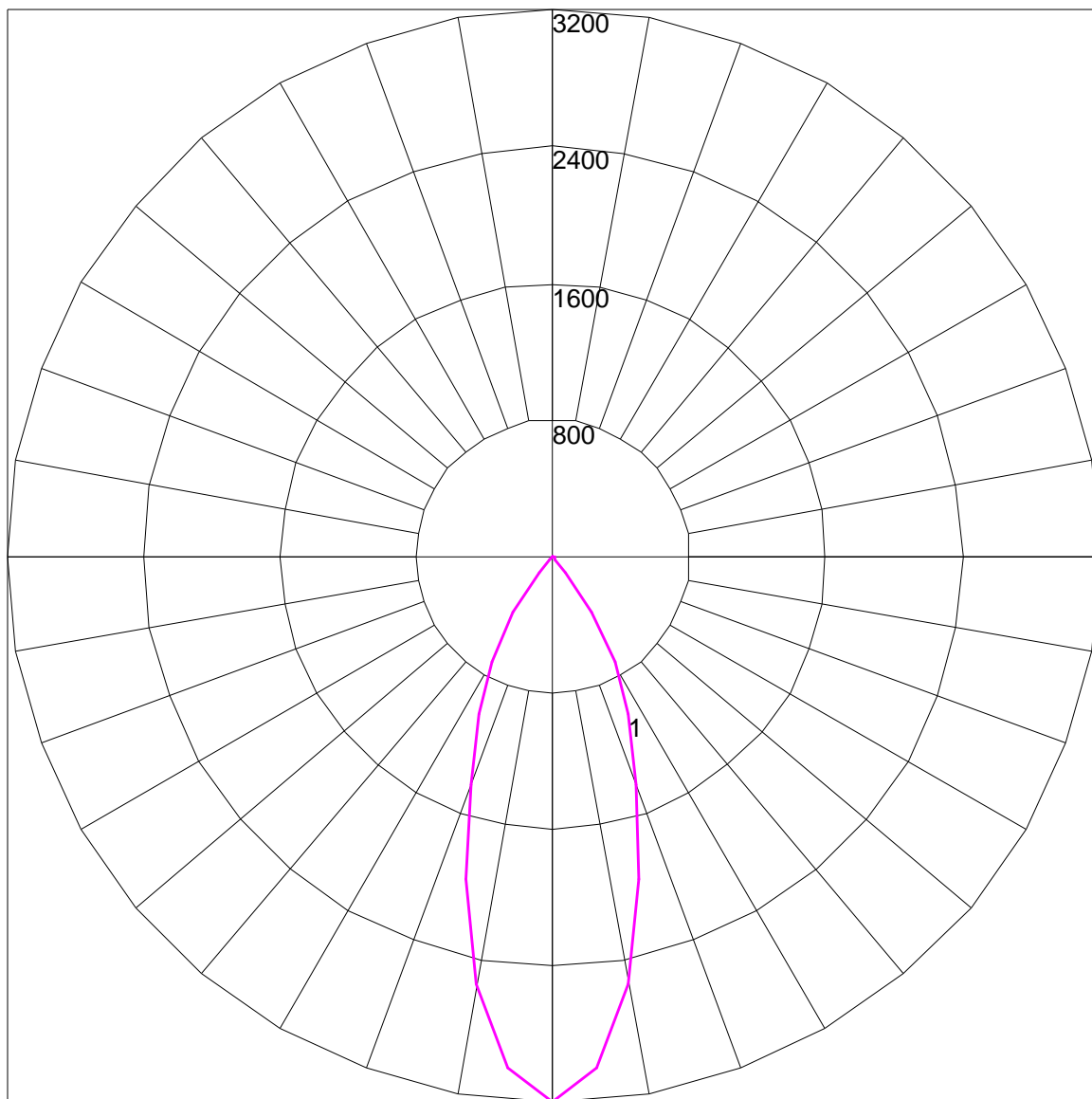
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	91	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	85	82	86	83	81	80
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
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 = 3200.267 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)