

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00592_11 ~ C08XXXT-13LXXK-WDEX-TSG-SO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592_11_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/27/2018
 [LUMCAT] C08xxXT-13L-xxK-WD-EX-TSG-SO
 [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] Solite Lens, Regressed in Lower Trim
 [OTHER] 45.6 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	1032
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.70
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_11 ~ C08XXXT-13LXXK-WDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1884	1958	1666
55	209	227	210
65	53	45	45
75	64	64	70
85	223	279	267

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_11 ~ C08XXXT-13LXXK-WDEX-TSG-SO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1595.701	1595.701	1595.701	1595.701	1595.701
5	1541.326	1548.906	1535.776	1537.558	1519.861
10	1391.961	1402.661	1385.673	1389.434	1358.344
15	1164.504	1180.619	1161.027	1167.031	1125.508
20	920.311	932.838	916.766	919.707	882.760
25	700.681	713.058	699.404	702.215	670.251
30	500.241	512.749	497.479	503.816	472.951
35	306.122	315.397	303.993	304.542	280.062
40	144.222	152.268	143.320	144.597	126.575
45	44.321	41.174	46.074	38.184	39.207
50	13.760	12.817	12.941	12.540	12.837
55	3.988	3.349	4.331	3.780	4.013
60	0.977	0.775	1.037	0.910	0.875
65	0.747	0.576	0.633	0.514	0.627
70	0.703	0.477	0.628	0.627	0.486
75	0.549	0.558	0.553	0.666	0.601
80	0.703	0.415	0.643	0.458	0.545
85	0.647	0.822	0.808	1.008	0.773
90	0.610	0.218	0.520	0.255	0.543

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Zone	Lumens	%Lamp	%Fixt
0-20	465.03	N.A.	45.10
0-30	786.59	N.A.	76.20
0-40	979.81	N.A.	94.90
0-60	1030.00	N.A.	99.80
0-80	1031.27	N.A.	99.90
0-90	1031.98	N.A.	100.00
10-90	889.83	N.A.	86.20
20-40	514.78	N.A.	49.90
20-50	560.22	N.A.	54.30
40-70	50.85	N.A.	4.90
60-80	1.27	N.A.	0.10
70-80	0.61	N.A.	0.10
80-90	0.71	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	1031.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	142.15
10-20	322.88
20-30	321.56
30-40	193.23
40-50	45.44
50-60	4.75
60-70	0.67
70-80	0.61
80-90	0.71
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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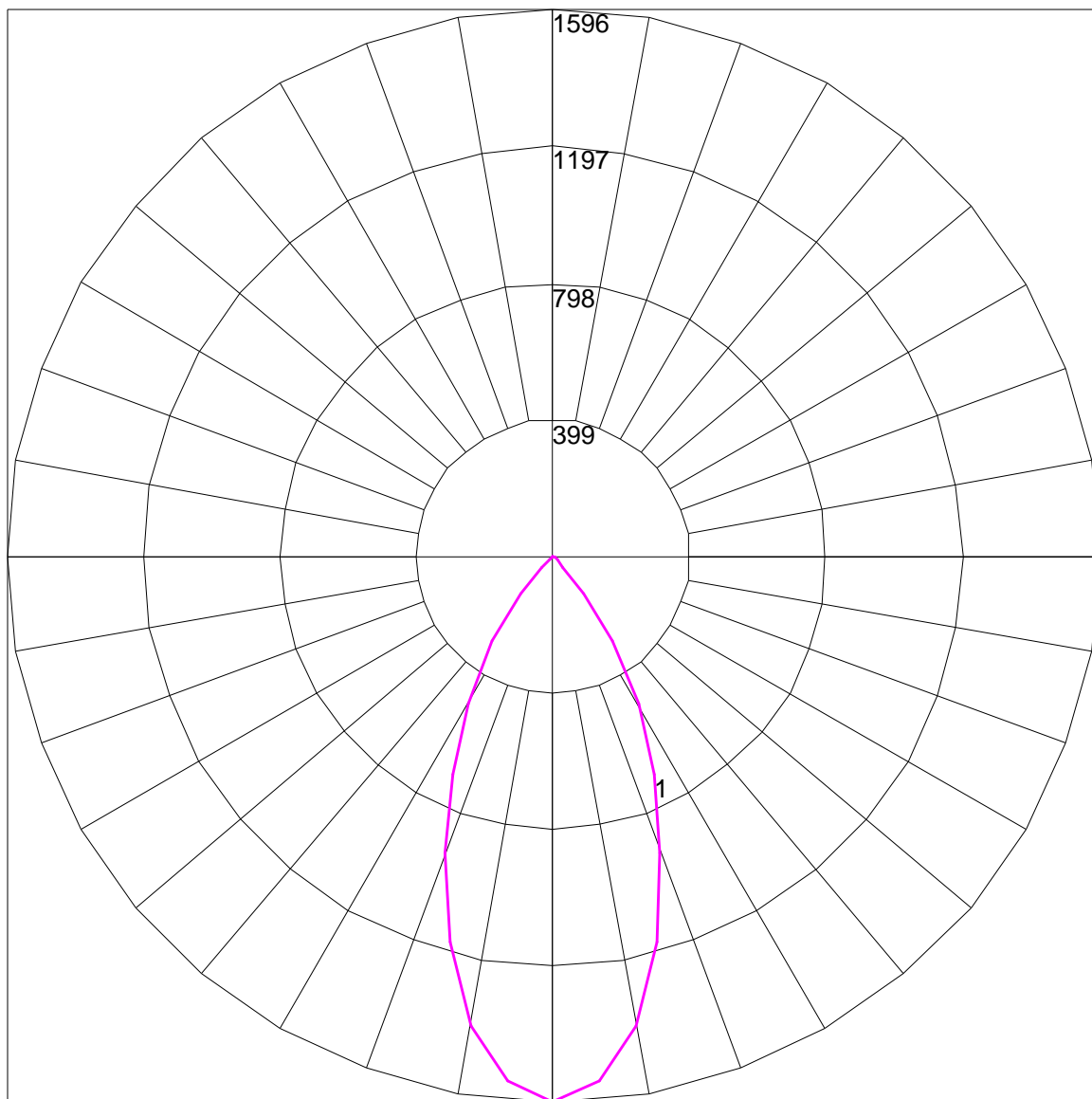
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	104	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	92	85	80	76	84	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

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POLAR GRAPH



Maximum Candela = 1595.701 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)