

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00592_4 ~ C08XXXT-13LXXK-NDEX-TSG-FG.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592_4_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/26/2018
 [LUMCAT] C08xxXT-13L-xxK-ND-EX-TSG-FG
 [LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
 [OTHER] Data applicable to: 12"H and 18" H Cylinders
 [OTHER] Upper, Internal Reflector, Narrow Beam
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
 [OTHER] Frosted Glass Lens, Regressed in Lower Trim
 [OTHER] 38.8 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	1046
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)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.68
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	3765	3917	3460
55	556	562	475
65	47	57	58
75	90	88	62
85	272	234	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	1807.433	1807.433	1807.433	1807.433	1807.433
5	1687.479	1718.685	1717.972	1721.515	1679.325
10	1403.404	1448.788	1448.073	1461.735	1402.912
15	1080.854	1125.588	1121.356	1140.670	1081.128
20	803.795	842.812	837.202	855.432	805.811
25	590.813	620.660	620.104	632.692	595.653
30	426.469	451.191	453.059	462.673	432.752
35	296.431	316.733	317.864	326.172	300.936
40	184.626	201.830	196.671	204.710	181.297
45	88.593	94.130	92.158	93.908	81.413
50	32.071	33.239	32.784	33.296	28.580
55	10.610	10.985	10.719	10.867	9.063
60	2.604	2.907	2.715	2.524	2.227
65	0.657	0.912	0.798	0.871	0.813
70	0.575	0.641	0.662	0.691	0.706
75	0.774	0.490	0.758	0.569	0.538
80	0.684	0.529	0.581	0.668	0.543
85	0.788	0.454	0.679	0.787	0.635
90	0.637	0.416	0.598	0.773	0.465

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Zone	Lumens	%Lamp	%Fixt
0-20	467.37	N.A.	44.70
0-30	754.51	N.A.	72.20
0-40	952.34	N.A.	91.10
0-60	1043.05	N.A.	99.80
0-80	1044.93	N.A.	99.90
0-90	1045.61	N.A.	100.00
10-90	890.84	N.A.	85.20
20-40	484.97	N.A.	46.40
20-50	563.26	N.A.	53.90
40-70	91.93	N.A.	8.80
60-80	1.88	N.A.	0.20
70-80	0.66	N.A.	0.10
80-90	0.68	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	1045.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	154.77
10-20	312.60
20-30	287.14
30-40	197.83
40-50	78.29
50-60	12.41
60-70	1.22
70-80	0.66
80-90	0.68
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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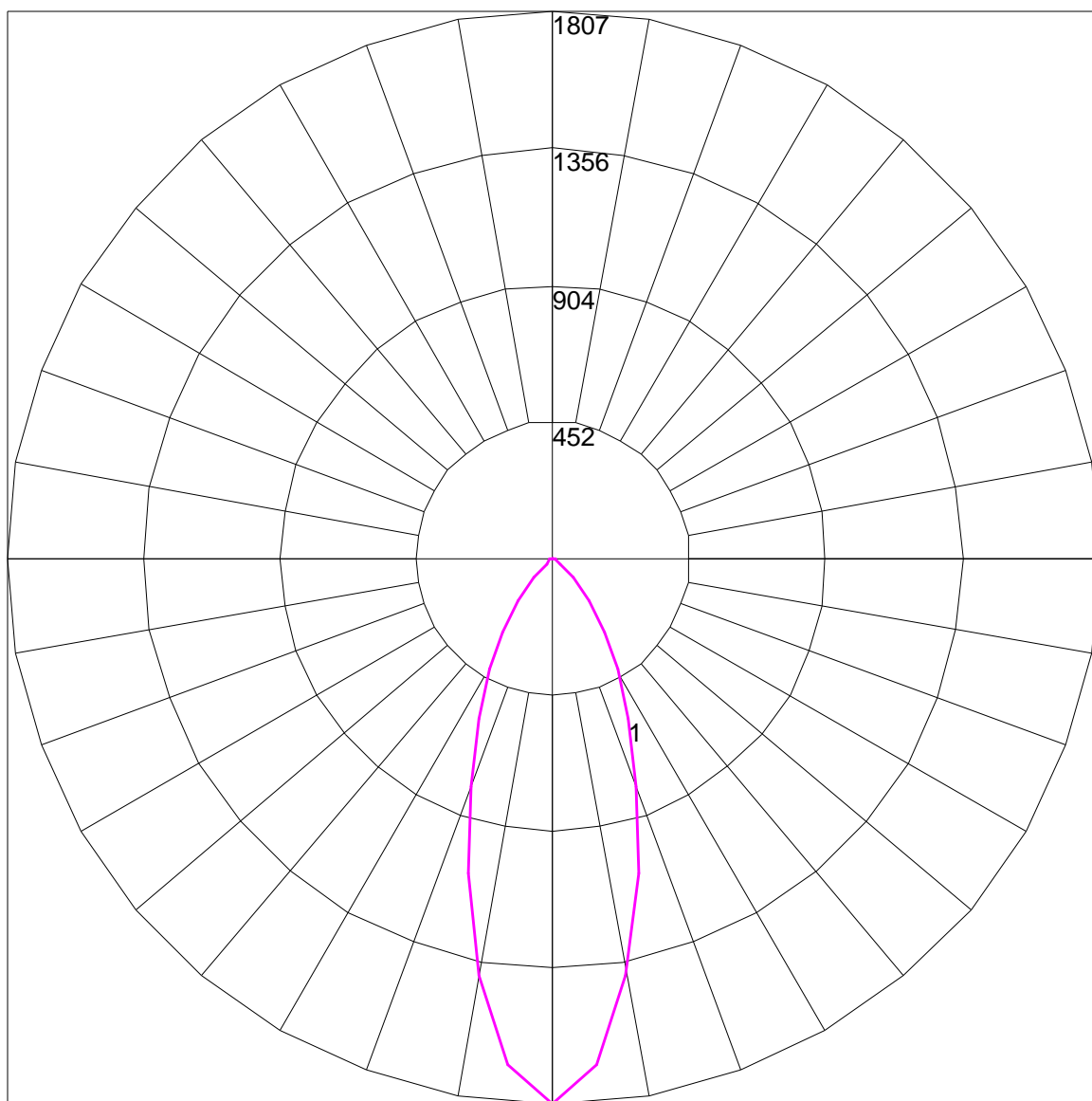
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	70	87	80	74	70	78	73	70	77	72	69	75	72	69	67
7	85	76	70	66	83	75	70	66	74	69	66	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 1807.433 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)