

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_17 ~ C08XXXT-13LXXK-XWEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00592\_17\_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 6/29/2017

[UPDATE] 3/27/2018

[LUMCAT] C08xxXT-13L-xxK-XW-EX-TSG-GL

[LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight

[OTHER] Data applicable to: 12"H and 18" H Cylinders

[OTHER] Upper, Internal Reflector, Xtra Wide Beam

[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum

[OTHER] Frosted Glass Lens, Regressed in Lower Trim

[OTHER] 59.6 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	1068
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.90
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\_17 ~ C08XXXT-13LXXK-XWEX-TSG-GL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2324	2344	2231
55	319	306	321
65	37	38	39
75	83	52	67
85	218	259	253

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_17 ~ C08XXXT-13LXXK-XWEX-TSG-GL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1213.420	1213.420	1213.420	1213.420	1213.420
<b>5</b>	1194.613	1196.295	1194.749	1194.833	1195.332
<b>10</b>	1141.883	1143.977	1143.103	1141.999	1140.376
<b>15</b>	1047.667	1051.620	1049.933	1049.515	1047.478
<b>20</b>	915.283	921.306	919.251	921.352	918.542
<b>25</b>	774.649	779.911	778.795	781.917	777.611
<b>30</b>	607.308	610.945	611.472	613.957	612.324
<b>35</b>	386.162	392.754	387.994	397.070	394.258
<b>40</b>	165.640	173.116	164.913	175.100	172.357
<b>45</b>	54.684	56.046	55.161	55.939	52.498
<b>50</b>	21.085	20.934	21.229	22.171	21.301
<b>55</b>	6.084	6.261	5.832	6.299	6.127
<b>60</b>	1.297	1.300	0.943	0.996	0.956
<b>65</b>	0.526	0.662	0.537	0.609	0.550
<b>70</b>	0.637	0.731	0.550	0.520	0.523
<b>75</b>	0.711	0.505	0.450	0.647	0.576
<b>80</b>	0.551	0.849	0.443	0.847	0.708
<b>85</b>	0.632	0.591	0.750	0.766	0.734
<b>90</b>	0.606	0.858	0.615	0.676	0.581

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Zone	Lumens	%Lamp	%Fixt
0-20	404.77	N.A.	37.90
0-30	758.95	N.A.	71.10
0-40	1000.58	N.A.	93.70
0-60	1065.5	N.A.	99.80
0-80	1066.84	N.A.	99.90
0-90	1067.6	N.A.	100.00
10-90	955.18	N.A.	89.50
20-40	595.82	N.A.	55.80
20-50	653.08	N.A.	61.20
40-70	65.62	N.A.	6.10
60-80	1.34	N.A.	0.10
70-80	0.64	N.A.	0.10
80-90	0.76	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	1067.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	112.42
10-20	292.34
20-30	354.18
30-40	241.64
40-50	57.26
50-60	7.65
60-70	0.71
70-80	0.64
80-90	0.76
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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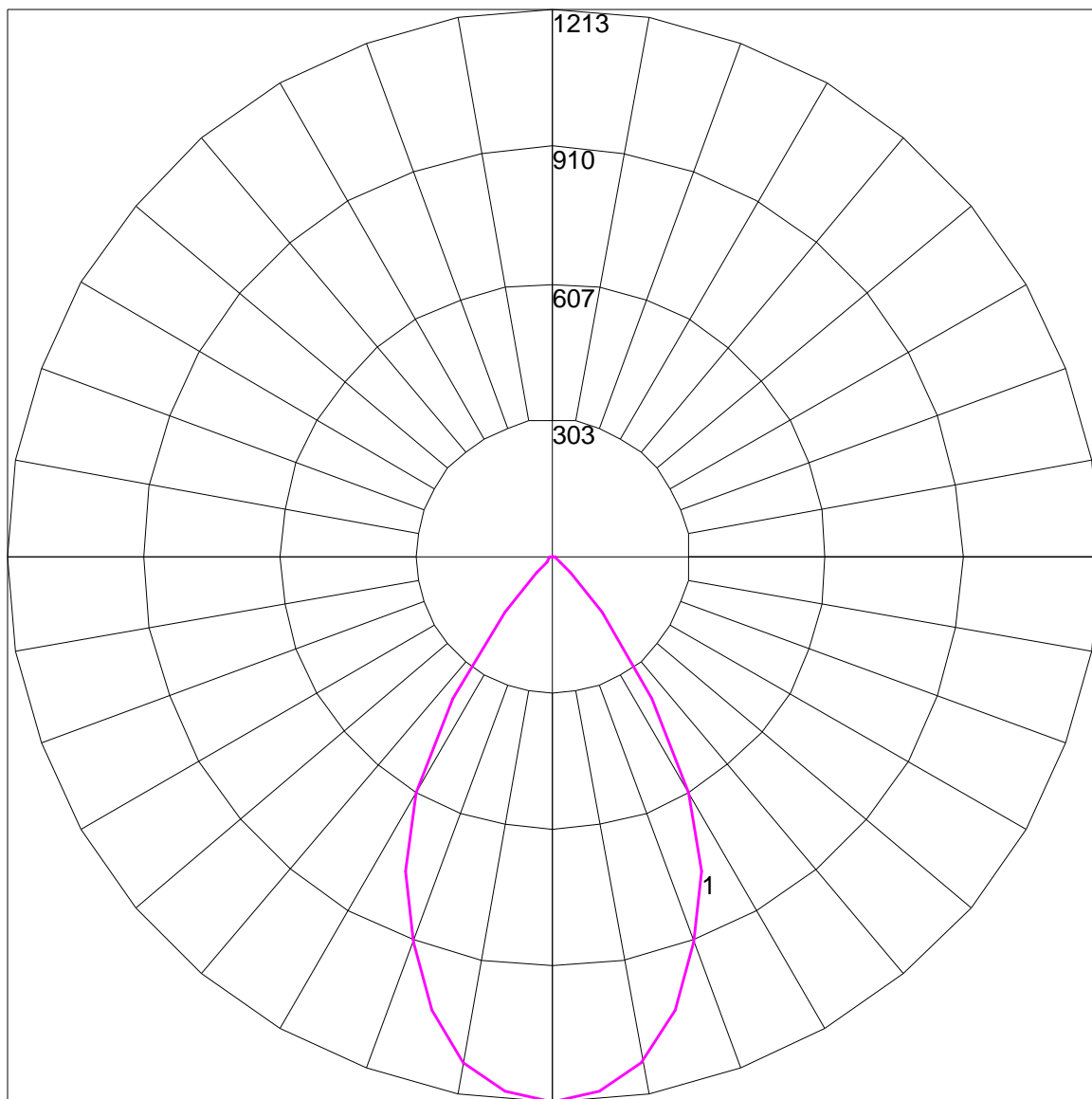
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	92	84	78	74	91	83	78	74	81	77	73	80	76	73	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 1213.42 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)