

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_16 ~ C08XXXT-13LXXK-XWEX-TSG-FG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00592_16_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/27/2018

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

[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] 61.3 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	944
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.92
Spacing Criterion (90-270)	0.90
Spacing Criterion (Diagonal)	0.96
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	5973	6137	5744
55	1620	1665	1578
65	57	47	68
75	82	56	75
85	175	192	192

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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	894.067	894.067	894.067	894.067	894.067
5	886.600	886.805	883.044	880.638	875.175
10	848.429	850.435	845.938	843.909	832.491
15	779.515	785.106	780.529	779.335	763.745
20	689.076	700.621	693.807	695.051	674.976
25	580.518	595.620	591.982	594.112	572.477
30	461.633	478.798	478.170	481.578	460.348
35	345.439	362.720	361.199	365.633	346.682
40	238.409	253.651	248.936	256.380	236.446
45	140.549	143.657	144.403	145.054	135.164
50	69.088	68.097	69.551	71.463	66.254
55	30.923	32.300	31.780	33.326	30.122
60	8.529	6.048	9.213	7.757	8.337
65	0.805	0.746	0.666	0.939	0.950
70	0.614	0.730	0.556	0.616	0.597
75	0.704	0.629	0.481	0.486	0.649
80	0.611	0.475	0.536	0.513	0.507
85	0.508	0.441	0.556	0.588	0.558
90	0.676	0.296	0.555	0.223	0.434

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Zone	Lumens	%Lamp	%Fixt
0-20	300.73	N.A.	31.80
0-30	569.94	N.A.	60.40
0-40	794.16	N.A.	84.10
0-60	940.75	N.A.	99.60
0-80	943.82	N.A.	99.90
0-90	944.36	N.A.	100.00
10-90	861.30	N.A.	91.20
20-40	493.43	N.A.	52.30
20-50	608.81	N.A.	64.50
40-70	149.06	N.A.	15.80
60-80	3.07	N.A.	0.30
70-80	0.60	N.A.	0.10
80-90	0.54	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	944.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	83.06
10-20	217.67
20-30	269.21
30-40	224.22
40-50	115.38
50-60	31.21
60-70	2.47
70-80	0.60
80-90	0.54
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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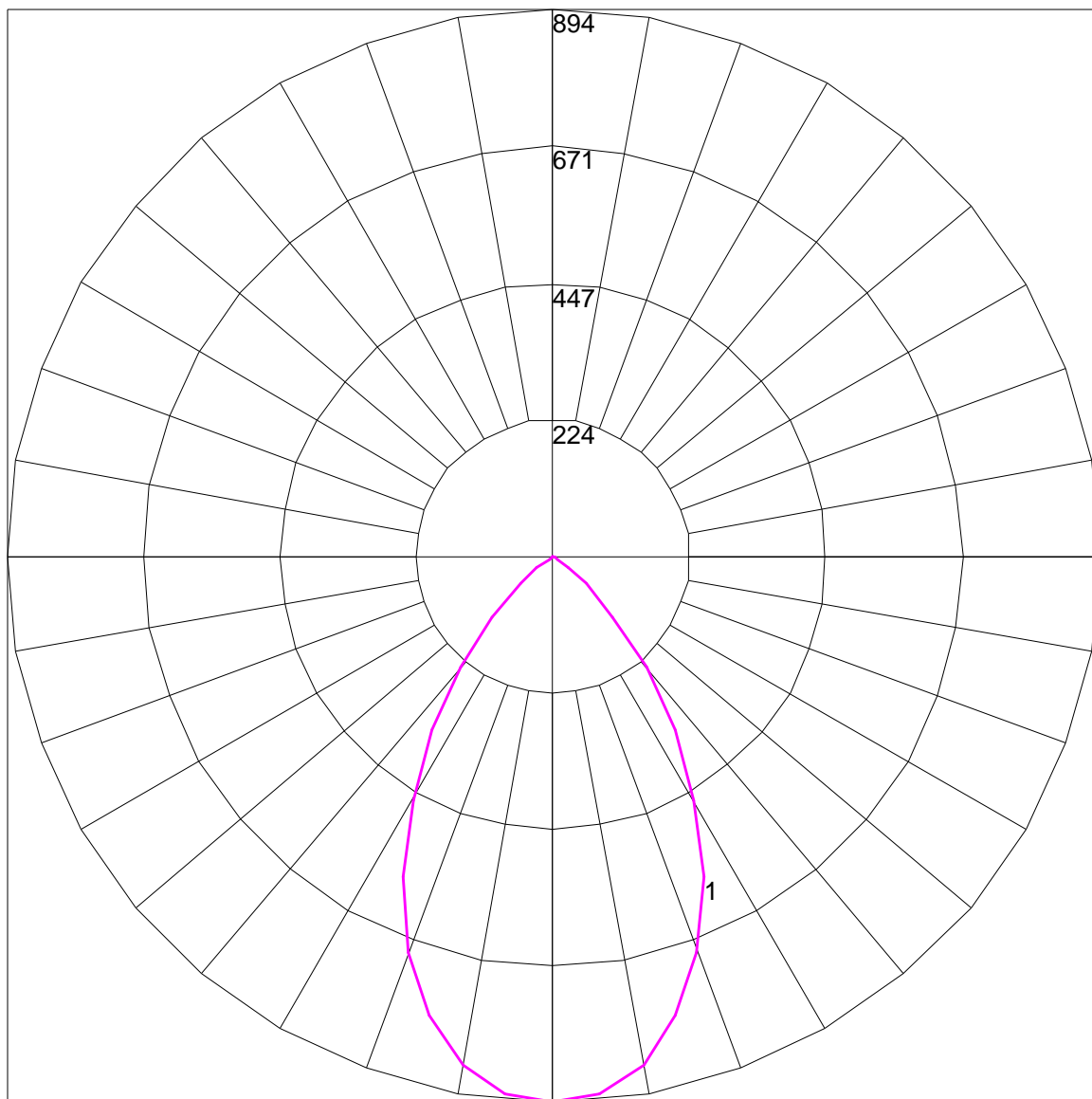
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	63	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	62	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

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POLAR GRAPH



Maximum Candela = 894.067 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)