

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_16 ~ C08XXXT-20LXXK-XWEX-TSG-FG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00592_16_M-20L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/27/2018

[LUMCAT] C08xxXT-20L-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	1453
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	21.7
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	9191	9443	8839
55	2493	2562	2428
65	88	73	104
75	126	86	116
85	269	295	296

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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	1375.662	1375.662	1375.662	1375.662	1375.662
5	1364.173	1364.489	1358.701	1354.999	1346.593
10	1305.441	1308.528	1301.608	1298.486	1280.917
15	1199.407	1208.009	1200.966	1199.129	1175.142
20	1060.252	1078.015	1067.531	1069.445	1038.556
25	893.219	916.455	910.858	914.134	880.845
30	710.294	736.706	735.740	740.983	708.318
35	531.513	558.102	555.762	562.583	533.425
40	366.829	390.282	383.028	394.480	363.810
45	216.257	221.038	222.187	223.188	207.970
50	106.303	104.778	107.015	109.957	101.942
55	47.580	49.698	48.898	51.277	46.347
60	13.123	9.306	14.175	11.936	12.828
65	1.239	1.147	1.024	1.445	1.461
70	0.945	1.123	0.856	0.948	0.918
75	1.083	0.968	0.739	0.748	0.999
80	0.940	0.731	0.825	0.789	0.779
85	0.781	0.678	0.855	0.905	0.858
90	1.041	0.455	0.855	0.343	0.668

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Zone	Lumens	%Lamp	%Fixt
0-20	462.72	N.A.	31.80
0-30	876.94	N.A.	60.40
0-40	1221.94	N.A.	84.10
0-60	1447.49	N.A.	99.60
0-80	1452.22	N.A.	99.90
0-90	1453.05	N.A.	100.00
10-90	1325.25	N.A.	91.20
20-40	759.22	N.A.	52.30
20-50	936.75	N.A.	64.50
40-70	229.35	N.A.	15.80
60-80	4.73	N.A.	0.30
70-80	0.93	N.A.	0.10
80-90	0.83	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	1453.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.80
10-20	334.92
20-30	414.22
30-40	345.00
40-50	177.53
50-60	48.02
60-70	3.80
70-80	0.93
80-90	0.83
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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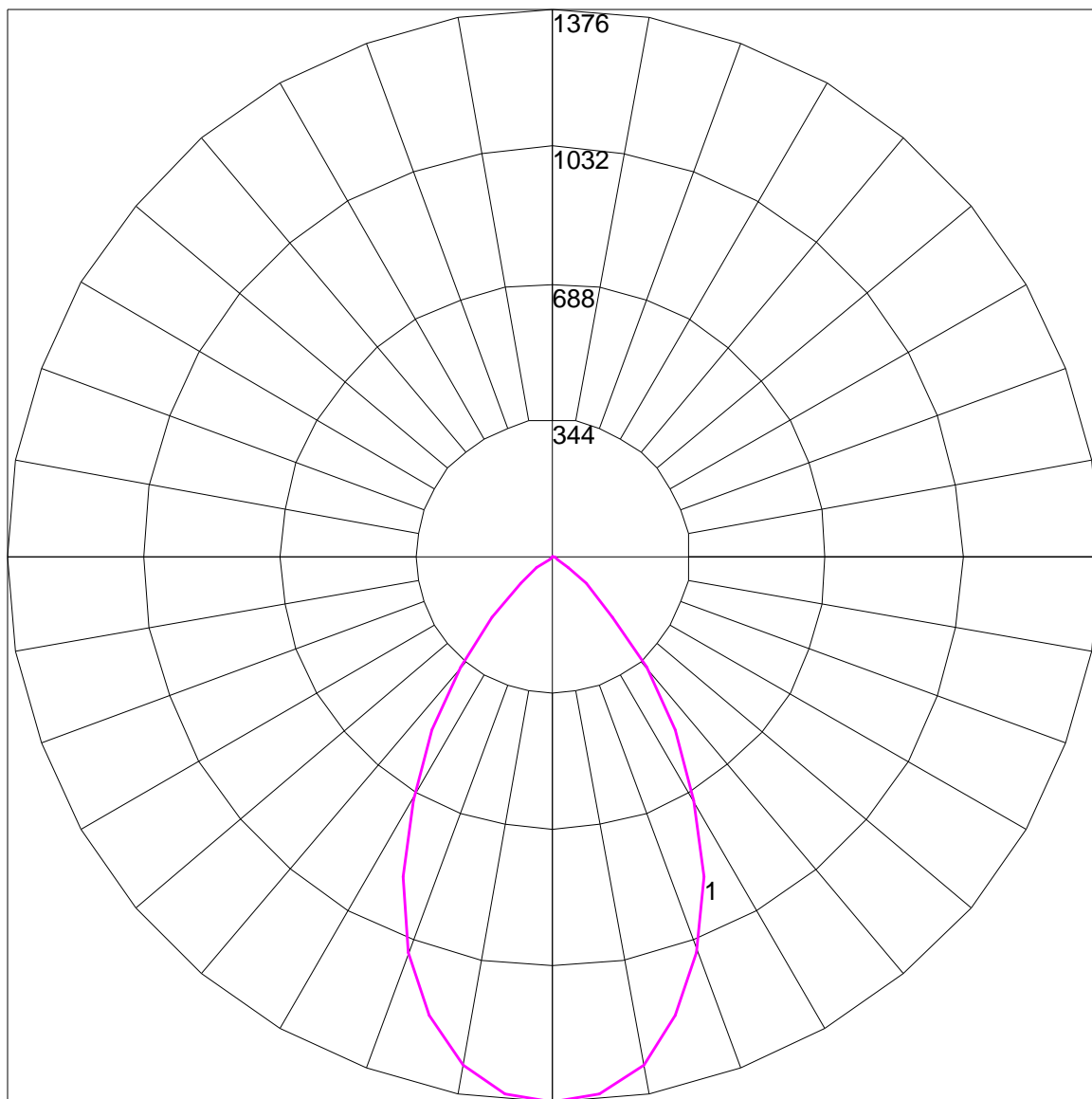
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	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	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	81	74	70	88	80	74	69	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	62	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	61	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	56	51	47	56	51	47	55	50	47	46

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POLAR GRAPH



Maximum Candela = 1375.662 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)