

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_1 ~ C08XXXT-10LXXK-MDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00592_1_M-10L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/29/2017

[UPDATE] 3/26/2018

[LUMCAT] C08xxXT-10L-xxK-MD-EX-TSG-GL

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

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

[OTHER] Upper, Internal Reflector, Medium Beam

[OTHER] Lower Trim, Semi-Diffuse Clear Anodized Alum.

[OTHER] Clear Glass Lens, Regressed in Lower Trim

[OTHER] 36.7 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	789
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.66
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	515	554	428
55	60	70	68
65	28	33	39
75	50	62	61
85	112	166	164

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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	1544.212	1544.212	1544.212	1544.212	1544.212
5	1454.983	1472.367	1462.196	1449.614	1433.301
10	1231.990	1269.559	1245.888	1233.262	1202.724
15	945.872	991.785	963.837	957.184	924.140
20	688.293	726.123	705.609	702.908	678.417
25	494.837	522.731	509.547	509.010	491.888
30	346.932	369.055	362.325	357.701	343.381
35	194.935	223.220	210.157	209.243	188.971
40	58.915	84.457	62.831	73.767	53.816
45	12.114	12.458	13.033	10.785	10.081
50	3.111	4.124	4.277	3.526	3.535
55	1.146	1.312	1.341	1.476	1.296
60	0.619	0.599	0.563	0.708	0.567
65	0.391	0.496	0.471	0.445	0.549
70	0.525	0.447	0.575	0.690	0.339
75	0.428	0.520	0.531	0.507	0.524
80	0.256	0.646	0.439	0.341	0.413
85	0.325	0.536	0.480	0.404	0.475
90	0.296	0.139	0.327	0.167	0.368

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Zone	Lumens	%Lamp	%Fixt
0-20	400.46	N.A.	50.80
0-30	637.45	N.A.	80.80
0-40	767.36	N.A.	97.30
0-60	787.13	N.A.	99.80
0-80	788.17	N.A.	99.90
0-90	788.61	N.A.	100.00
10-90	656.19	N.A.	83.20
20-40	366.89	N.A.	46.50
20-50	385.09	N.A.	48.80
40-70	20.29	N.A.	2.60
60-80	1.05	N.A.	0.10
70-80	0.53	N.A.	0.10
80-90	0.43	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	788.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.42
10-20	268.05
20-30	236.99
30-40	129.91
40-50	18.20
50-60	1.57
60-70	0.52
70-80	0.53
80-90	0.43
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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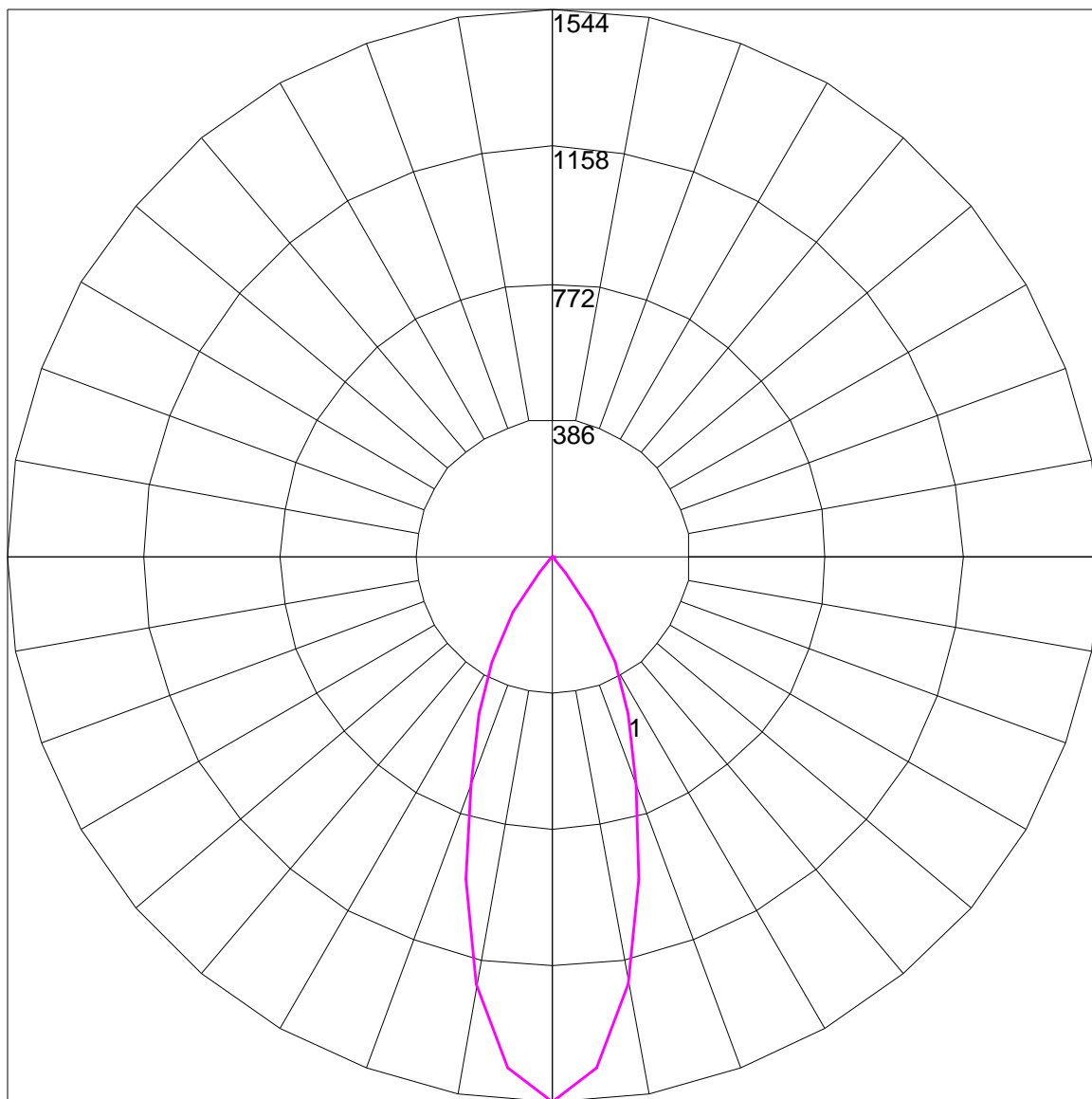
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	73	80	76	73	79	75	72	71
7	87	79	74	70	86	79	73	70	77	73	69	76	72	69	75	72	69	68
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	80	72	67	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 1544.212 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)