

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_9 ~ C08XXXT-10LXXK-WDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592_9_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/27/2018
[LUMCAT] C08xxXT-10L-xxK-WD-EX-TSG-GL
[LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
[OTHER] Data applicable to: 12"H and 18" H Cylinders
[OTHER] Upper, Internal Reflector, Wide Beam
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
[OTHER] Frosted Glass Lens, Regressed in Lower Trim
[OTHER] 43.6 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	775
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
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	778	791	709
55	120	95	82
65	39	35	31
75	36	35	43
85	124	120	223

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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	1238.968	1238.968	1238.968	1238.968	1238.968
5	1195.417	1207.790	1202.051	1198.268	1189.958
10	1074.303	1099.231	1089.572	1083.004	1067.871
15	885.111	919.282	906.026	900.754	882.157
20	677.788	708.185	695.180	693.998	677.232
25	514.439	534.371	524.200	524.463	513.053
30	377.183	397.638	384.492	383.677	373.057
35	223.937	246.521	232.330	229.323	212.720
40	81.841	92.877	85.525	80.060	75.134
45	18.308	23.591	18.613	18.994	16.679
50	7.036	6.995	6.649	6.587	6.518
55	2.296	1.955	1.805	1.788	1.563
60	0.835	0.570	0.696	0.545	0.588
65	0.549	0.553	0.488	0.362	0.440
70	0.404	0.508	0.605	0.567	0.429
75	0.307	0.550	0.305	0.314	0.369
80	0.423	0.365	0.486	0.417	0.529
85	0.360	0.390	0.349	0.602	0.647
90	0.493	0.433	0.449	0.456	0.610

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Zone	Lumens	%Lamp	%Fixt
0-20	360.41	N.A.	46.50
0-30	603.24	N.A.	77.80
0-40	746.78	N.A.	96.30
0-60	773.81	N.A.	99.80
0-80	774.78	N.A.	99.90
0-90	775.28	N.A.	100.00
10-90	664.35	N.A.	85.70
20-40	386.36	N.A.	49.80
20-50	410.94	N.A.	53.00
40-70	27.55	N.A.	3.60
60-80	0.97	N.A.	0.10
70-80	0.45	N.A.	0.10
80-90	0.50	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	775.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	110.93
10-20	249.48
20-30	242.83
30-40	143.54
40-50	24.58
50-60	2.45
60-70	0.52
70-80	0.45
80-90	0.50
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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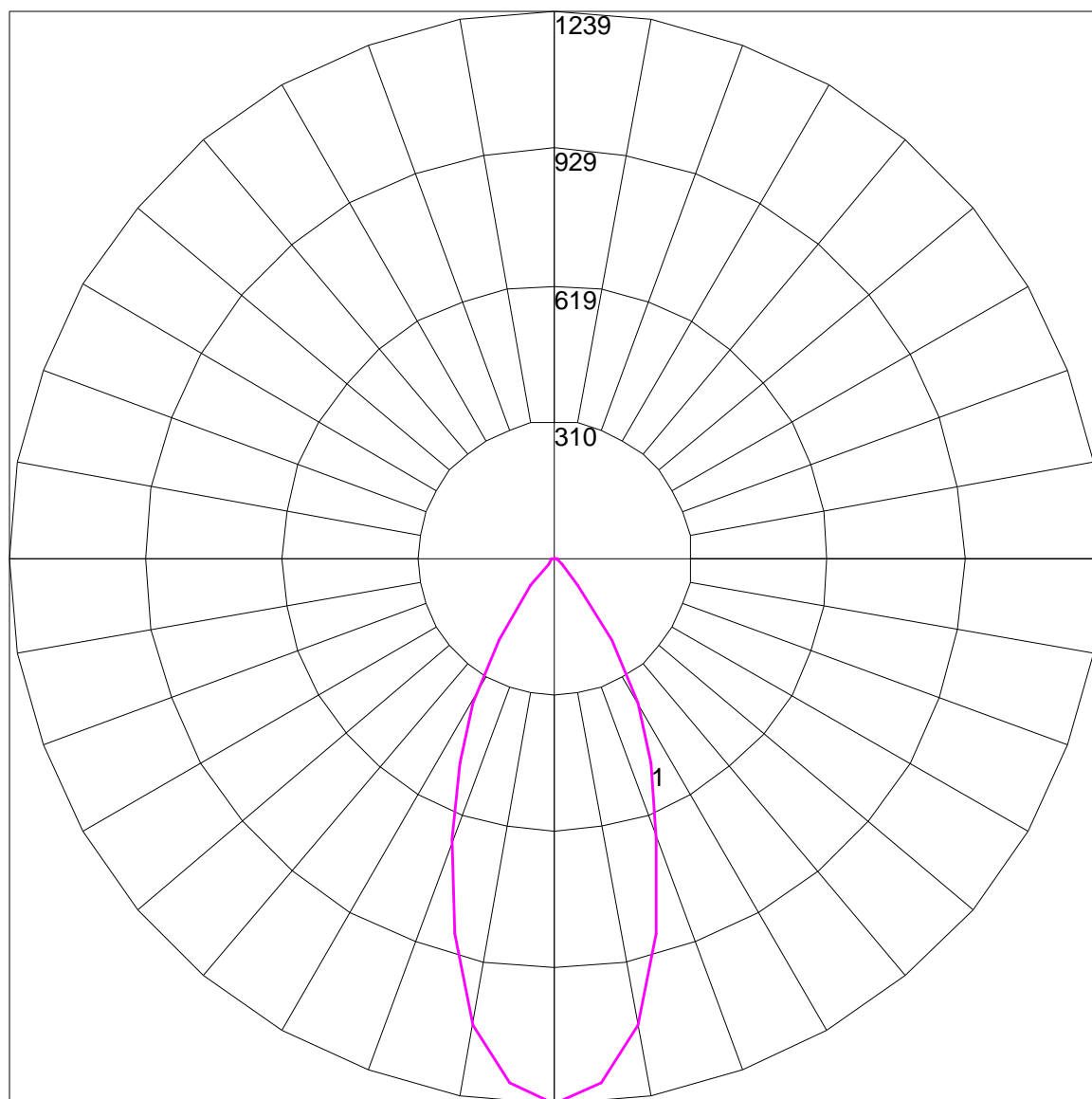
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	82	87	83	81	85	82	80	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	76	72	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	73	70	67	66
8	82	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62
9	79	70	64	61	78	69	64	61	69	64	60	68	63	60	67	63	60	59
10	76	67	61	58	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 1238.968 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)