

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00592_7 ~ C08XXXT-10LXXK-NDEX-TSG-SO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592_7_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/27/2018
 [LUMCAT] C08xxXT-10L-xxK-ND-EX-TSG-SO
 [LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
 [OTHER] Data applicable to: 12"H and 18" H Cylinders
 [OTHER] Upper, Internal Reflector, Narrow Beam
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
 [OTHER] Solite Lens, Regressed in Lower Trim
 [OTHER] 23.1 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	869
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.44
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_7 ~ C08XXXT-10LXXK-NDEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	615	710	507
55	35	40	45
65	23	20	47
75	44	60	54
85	136	259	165

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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	3015.166	3015.166	3015.166	3015.166	3015.166
5	2593.023	2672.423	2653.155	2657.363	2527.976
10	1733.348	1838.460	1809.890	1835.680	1675.789
15	1009.050	1081.200	1053.249	1076.657	969.669
20	602.949	638.314	617.727	631.881	578.043
25	406.238	426.586	413.685	422.277	392.055
30	285.560	301.714	293.393	300.692	278.421
35	176.929	190.728	184.029	190.593	171.752
40	73.474	82.906	78.695	84.430	69.739
45	14.479	17.599	16.701	17.729	11.920
50	1.336	1.661	1.951	2.160	1.509
55	0.661	0.803	0.768	0.847	0.850
60	0.508	0.431	0.518	0.316	0.548
65	0.327	0.376	0.285	0.580	0.661
70	0.415	0.431	0.439	0.657	0.227
75	0.375	0.279	0.515	0.534	0.469
80	0.550	0.529	0.366	0.558	0.381
85	0.395	0.475	0.751	0.775	0.479
90	0.301	0.130	0.674	0.162	0.560

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Zone	Lumens	%Lamp	%Fixt
0-20	532.65	N.A.	61.30
0-30	731.04	N.A.	84.10
0-40	845.73	N.A.	97.30
0-60	867.96	N.A.	99.80
0-80	868.88	N.A.	99.90
0-90	869.44	N.A.	100.00
10-90	643.30	N.A.	74.00
20-40	313.08	N.A.	36.00
20-50	334.46	N.A.	38.50
40-70	22.67	N.A.	2.60
60-80	0.92	N.A.	0.10
70-80	0.48	N.A.	0.10
80-90	0.56	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	869.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	226.14
10-20	306.51
20-30	198.39
30-40	114.69
40-50	21.38
50-60	0.85
60-70	0.44
70-80	0.48
80-90	0.56
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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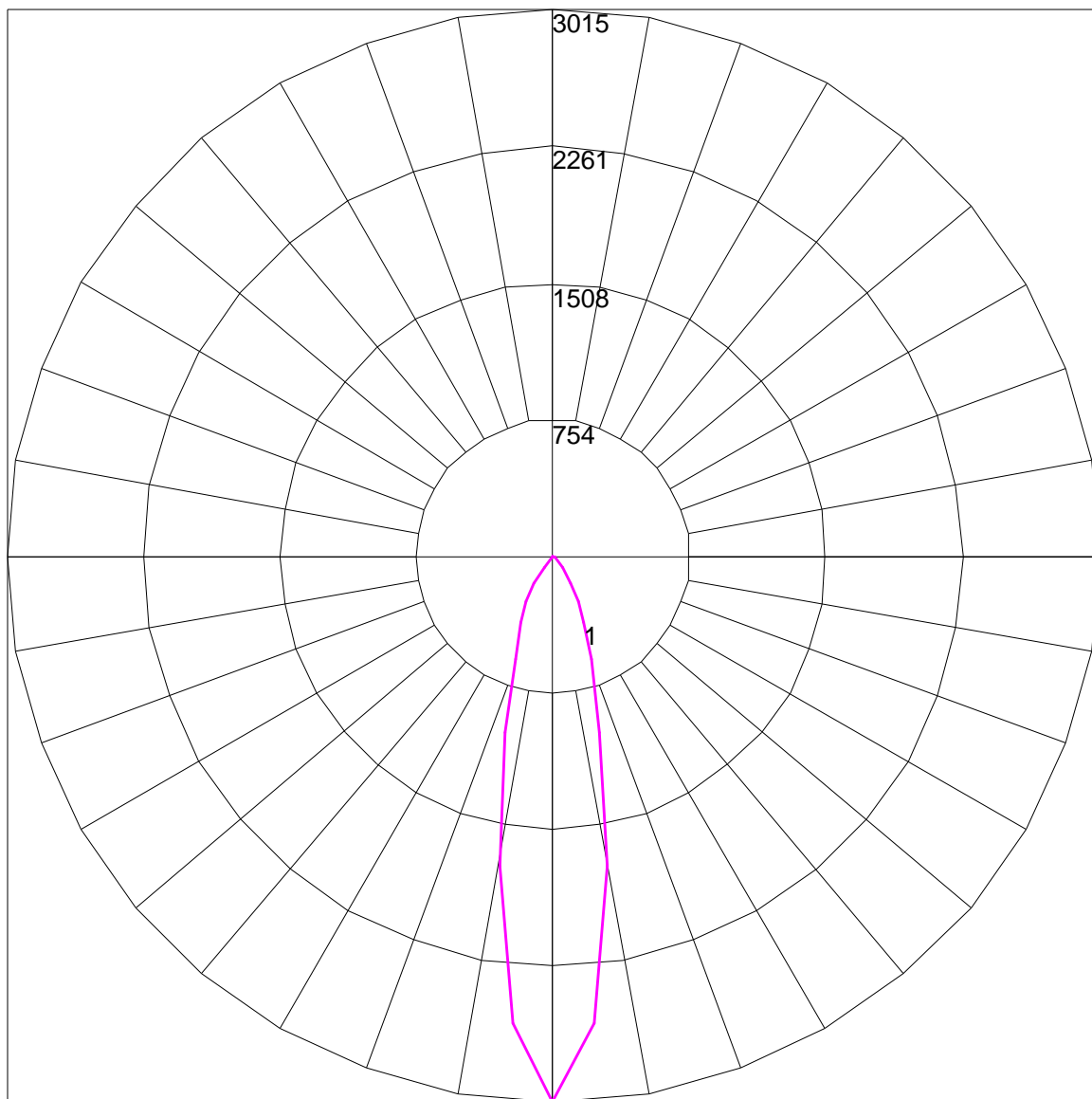
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	77	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64

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POLAR GRAPH



Maximum Candela = 3015.166 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)