

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_5 ~ C08XXXT-20LXXK-NDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592_5_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C08xxXT-20L-xxK-ND-EX-TSG-GL
[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] Clear Glass Lens, Regressed in Lower Trim
[OTHER] 22.7 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	1866
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.42
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	798	1153	813
55	47	83	60
65	65	54	92
75	121	66	121
85	300	303	243

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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	6878.497	6878.497	6878.497	6878.497	6878.497
5	6011.931	6218.286	6007.502	5945.519	5879.175
10	3910.834	4099.852	3935.399	3844.491	3718.046
15	2143.131	2265.608	2173.453	2111.416	2000.753
20	1234.046	1295.149	1259.500	1222.338	1160.021
25	838.958	872.546	852.656	829.675	793.553
30	634.106	665.331	645.341	629.551	599.423
35	433.314	474.210	444.291	431.234	403.080
40	170.315	211.951	180.484	174.167	161.140
45	18.779	7.982	27.121	23.067	19.137
50	1.384	1.303	1.832	2.116	2.116
55	0.906	1.377	1.579	0.849	1.153
60	0.757	1.110	0.990	0.544	0.635
65	0.909	0.641	0.765	1.012	1.293
70	1.266	0.924	0.825	0.895	1.291
75	1.040	0.766	0.572	0.747	1.044
80	0.921	0.586	0.632	0.611	0.794
85	0.870	1.062	0.880	0.899	0.704
90	0.949	0.787	1.191	0.673	0.585

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Zone	Lumens	%Lamp	%Fixt
0-20	1151.09	N.A.	61.70
0-30	1557.46	N.A.	83.40
0-40	1820.97	N.A.	97.60
0-60	1863.8	N.A.	99.90
0-80	1865.54	N.A.	100.00
0-90	1866.45	N.A.	100.00
10-90	1356.1	N.A.	72.70
20-40	669.87	N.A.	35.90
20-50	711.59	N.A.	38.10
40-70	43.72	N.A.	2.30
60-80	1.74	N.A.	0.10
70-80	0.85	N.A.	0.00
80-90	0.91	N.A.	0.00
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	1866.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	510.35
10-20	640.75
20-30	406.37
30-40	263.51
40-50	41.72
50-60	1.12
60-70	0.89
70-80	0.85
80-90	0.91
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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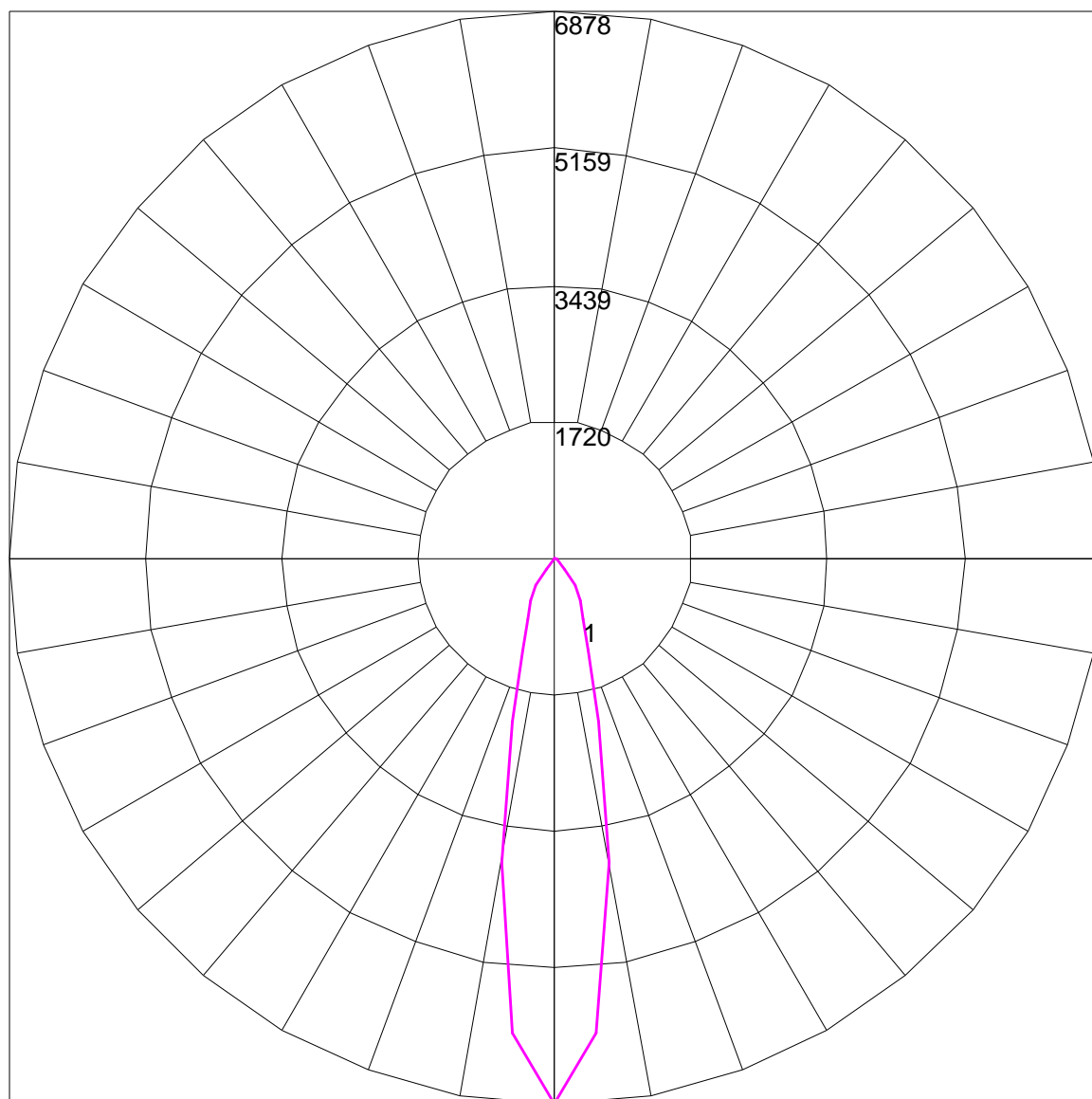
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 6878.497 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)