

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_9 ~ C08XXXT-20LXXK-WDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592_9_M-20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/27/2018
[LUMCAT] C08xxXT-20L-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	1607
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	21.7
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	1613	1639	1469
55	249	196	170
65	81	72	65
75	74	73	89
85	257	249	462

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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	2567.671	2567.671	2567.671	2567.671	2567.671
5	2477.415	2503.058	2491.163	2483.323	2466.102
10	2226.416	2278.077	2258.058	2244.447	2213.085
15	1834.329	1905.145	1877.673	1866.748	1828.206
20	1404.666	1467.662	1440.709	1438.261	1403.514
25	1066.137	1107.445	1086.366	1086.912	1063.266
30	781.684	824.075	796.833	795.143	773.133
35	464.094	510.898	481.487	475.256	440.847
40	169.609	192.481	177.244	165.919	155.709
45	37.942	48.890	38.574	39.363	34.566
50	14.582	14.497	13.779	13.651	13.509
55	4.758	4.052	3.740	3.706	3.239
60	1.731	1.182	1.442	1.129	1.219
65	1.138	1.145	1.012	0.750	0.913
70	0.837	1.053	1.254	1.176	0.889
75	0.636	1.141	0.632	0.651	0.764
80	0.876	0.757	1.007	0.863	1.095
85	0.745	0.807	0.723	1.247	1.341
90	1.023	0.897	0.930	0.945	1.263

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	746.93	N.A.	46.50
0-30	1250.17	N.A.	77.80
0-40	1547.64	N.A.	96.30
0-60	1603.66	N.A.	99.80
0-80	1605.68	N.A.	99.90
0-90	1606.71	N.A.	100.00
10-90	1376.81	N.A.	85.70
20-40	800.71	N.A.	49.80
20-50	851.64	N.A.	53.00
40-70	57.10	N.A.	3.60
60-80	2.02	N.A.	0.10
70-80	0.94	N.A.	0.10
80-90	1.03	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	1606.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	229.90
10-20	517.03
20-30	503.24
30-40	297.47
40-50	50.94
50-60	5.08
60-70	1.08
70-80	0.94
80-90	1.03
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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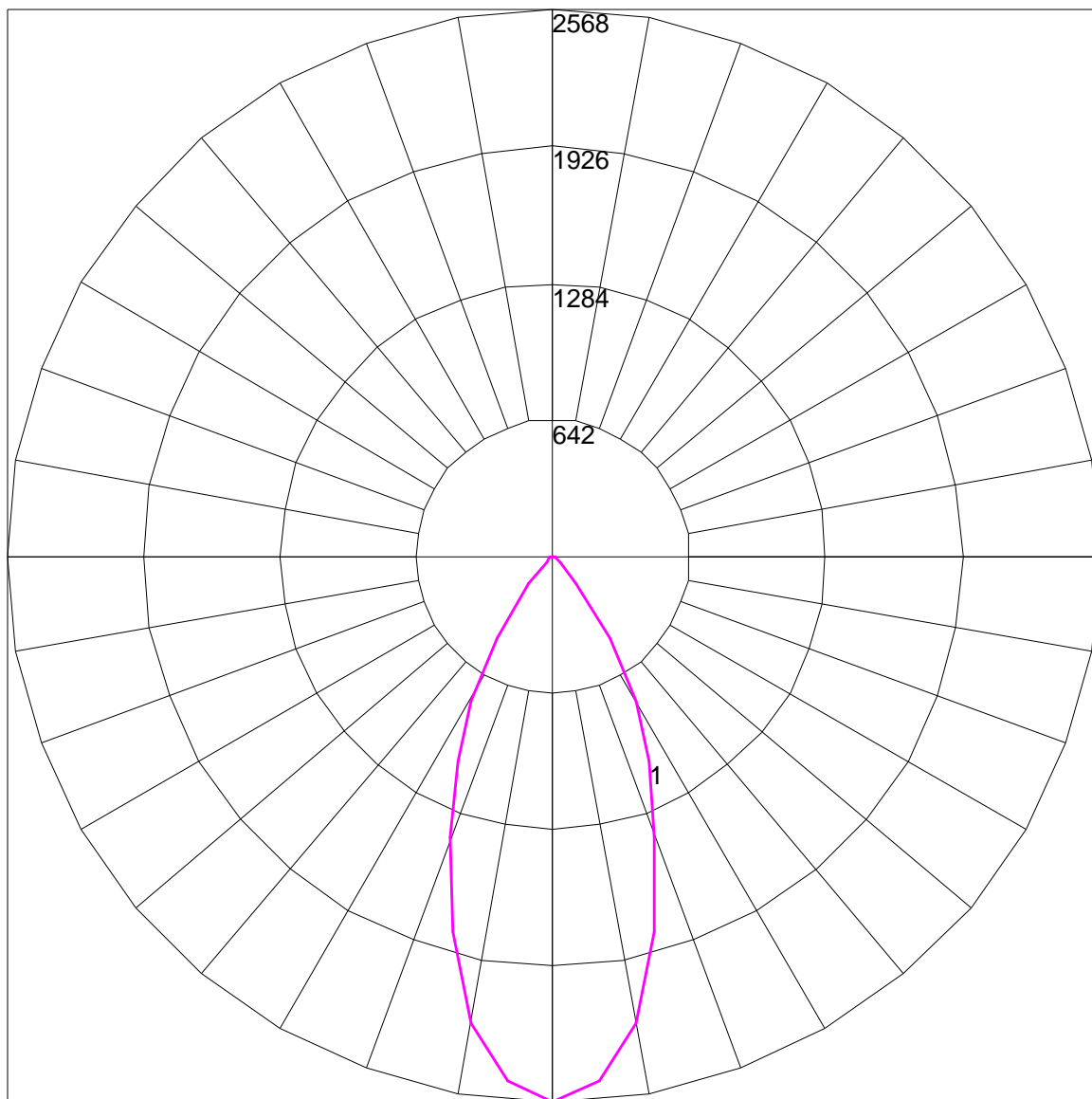
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	99	96	99	96	94	96	94	92	94	92	90	89
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	85	81	87	83	81	85	82	80	78
5	94	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	68	64	60	68	63	60	67	63	60	59
10	76	66	61	57	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 2567.671 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)