

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_5 ~ C08XXXT-30LXXK-NDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592.5
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C08xxXT-30L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	32.6
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	1197	1729	1220
55	71	124	91
65	97	82	138
75	181	100	182
85	450	455	364

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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	10317.230	10317.230	10317.230	10317.230	10317.230
5	9017.445	9326.962	9010.802	8917.832	8818.321
10	5865.957	6149.471	5902.803	5766.448	5576.790
15	3214.536	3398.242	3260.017	3166.966	3000.979
20	1850.976	1942.627	1889.156	1833.416	1739.945
25	1258.374	1308.753	1278.920	1244.451	1190.270
30	951.112	997.946	967.963	944.279	899.090
35	649.938	711.279	666.403	646.819	604.590
40	255.460	317.910	270.712	261.238	241.698
45	28.167	11.973	40.680	34.599	28.704
50	2.076	1.954	2.748	3.174	3.174
55	1.359	2.066	2.369	1.273	1.729
60	1.136	1.665	1.485	0.816	0.952
65	1.363	0.961	1.148	1.518	1.939
70	1.899	1.386	1.238	1.343	1.937
75	1.560	1.149	0.858	1.121	1.566
80	1.382	0.879	0.948	0.917	1.191
85	1.305	1.593	1.320	1.348	1.056
90	1.423	1.181	1.787	1.009	0.877

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Zone	Lumens	%Lamp	%Fixt
0-20	1726.56	N.A.	61.70
0-30	2336.07	N.A.	83.40
0-40	2731.31	N.A.	97.60
0-60	2795.56	N.A.	99.90
0-80	2798.17	N.A.	100.00
0-90	2799.54	N.A.	100.00
10-90	2034.05	N.A.	72.70
20-40	1004.76	N.A.	35.90
20-50	1067.33	N.A.	38.10
40-70	65.58	N.A.	2.30
60-80	2.61	N.A.	0.10
70-80	1.27	N.A.	0.00
80-90	1.37	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	2799.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	765.49
10-20	961.07
20-30	609.52
30-40	395.24
40-50	62.58
50-60	1.67
60-70	1.33
70-80	1.27
80-90	1.37
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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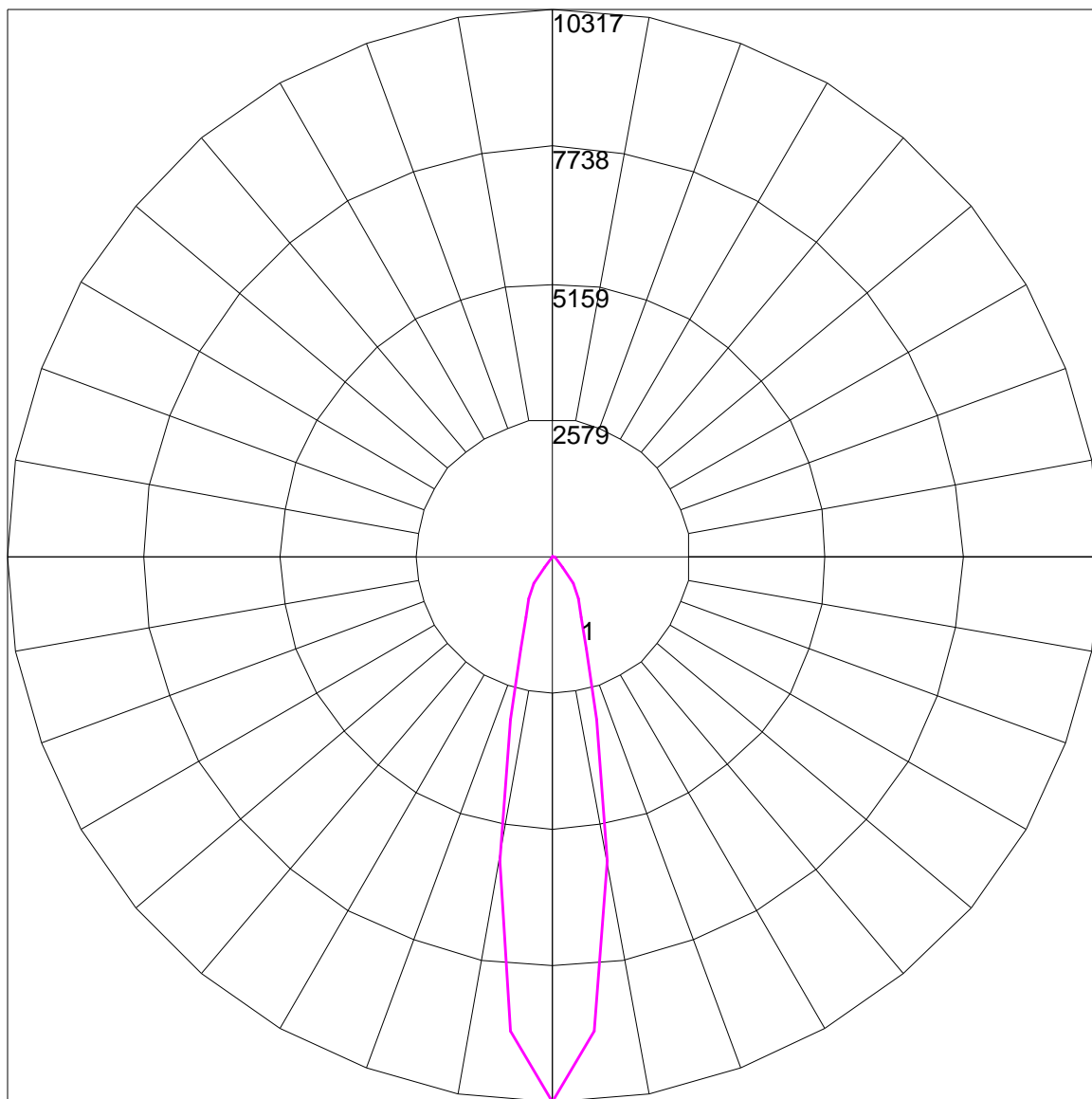
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	81	77	74	80	77	74	79	76	74	73
8	88	80	75	72	87	79	75	72	78	74	71	77	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 = 10317.23 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)