

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_9 ~ C08XXXT-30LXXK-WDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592.9
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/27/2018
[LUMCAT] C08xxXT-30L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2410
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	32.6
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	2419	2459	2203
55	374	294	255
65	121	108	97
75	111	110	133
85	385	374	693

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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	3851.314	3851.314	3851.314	3851.314	3851.314
5	3715.936	3754.399	3736.558	3724.798	3698.968
10	3339.457	3416.944	3386.918	3366.502	3319.462
15	2751.356	2857.574	2816.369	2799.982	2742.172
20	2106.894	2201.383	2160.956	2157.283	2105.165
25	1599.126	1661.084	1629.467	1630.286	1594.819
30	1172.467	1236.051	1195.189	1192.655	1159.641
35	696.106	766.308	722.194	712.848	661.238
40	254.401	288.707	265.852	248.866	233.552
45	56.910	73.331	57.858	59.042	51.847
50	21.872	21.745	20.668	20.476	20.262
55	7.137	6.078	5.610	5.559	4.859
60	2.597	1.773	2.163	1.694	1.829
65	1.707	1.718	1.518	1.125	1.369
70	1.256	1.579	1.881	1.764	1.334
75	0.954	1.711	0.948	0.977	1.146
80	1.314	1.135	1.510	1.295	1.643
85	1.118	1.211	1.085	1.870	2.011
90	1.534	1.345	1.395	1.417	1.895

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1120.34	N.A.	46.50
0-30	1875.16	N.A.	77.80
0-40	2321.34	N.A.	96.30
0-60	2405.37	N.A.	99.80
0-80	2408.4	N.A.	99.90
0-90	2409.95	N.A.	100.00
10-90	2065.11	N.A.	85.70
20-40	1201.00	N.A.	49.80
20-50	1277.4	N.A.	53.00
40-70	85.65	N.A.	3.60
60-80	3.03	N.A.	0.10
70-80	1.41	N.A.	0.10
80-90	1.55	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	2409.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	344.84
10-20	775.51
20-30	754.82
30-40	446.18
40-50	76.40
50-60	7.62
60-70	1.62
70-80	1.41
80-90	1.55
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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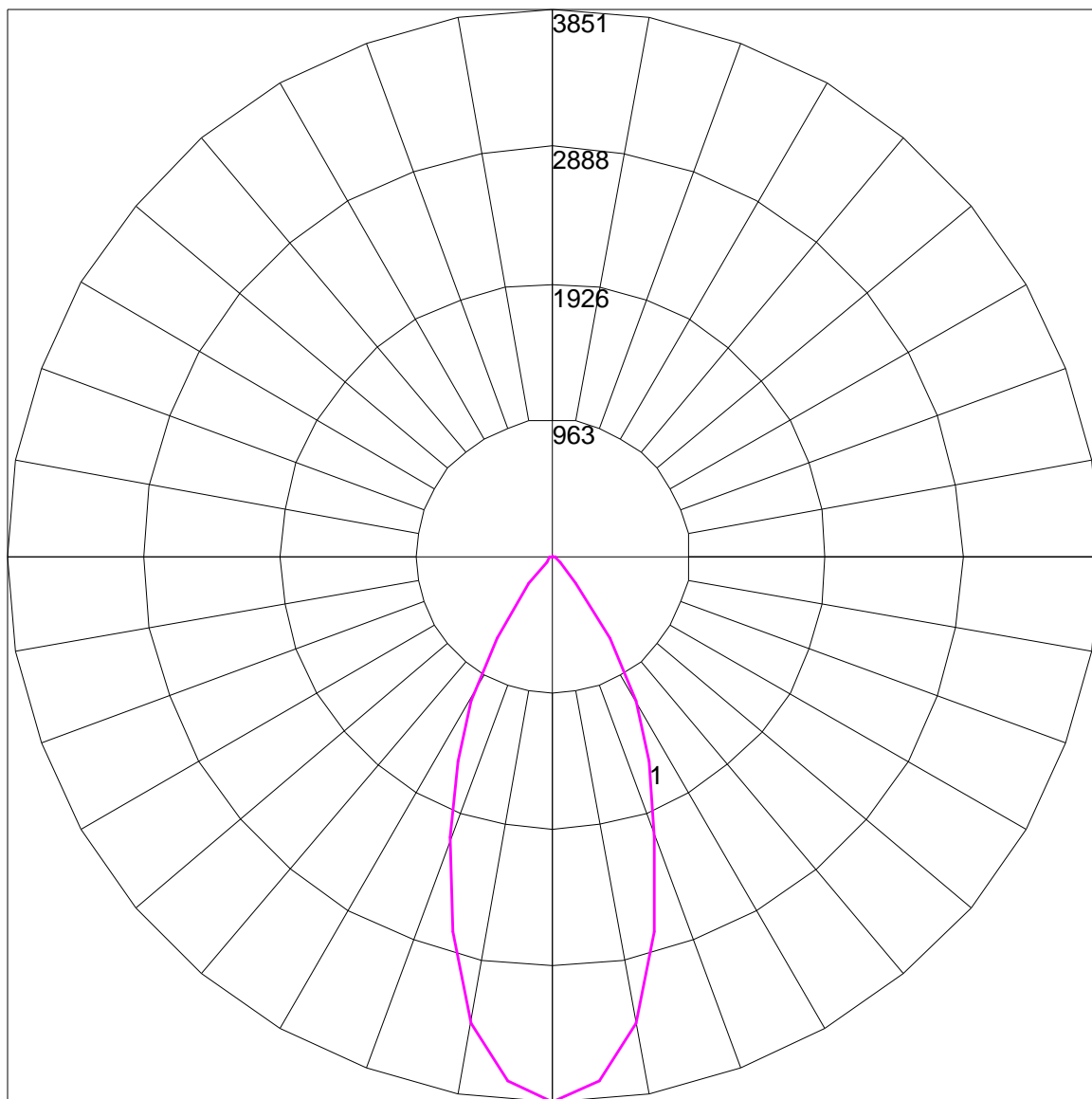
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	58	75	66	61	57	65	61	57	65	60	57	64	60	57	56

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POLAR GRAPH



Maximum Candela = 3851.314 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)