

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_13 ~ C0412XT-40LXXK-XWEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_13_M-40L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/5/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-40L-xxK-XW-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 56.1 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 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 50L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2703
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	0.84
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.26 ft (Diameter)
Luminous Width (90-270)	0.26 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17057	16911	16459
55	1974	1667	1466
65	968	1042	1051
75	1800	1457	2225
85	2662	2649	3320

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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	3535.969	3535.969	3535.969	3535.969	3535.969
5	3431.818	3444.195	3466.530	3485.719	3518.231
10	3239.706	3263.365	3292.123	3331.286	3348.883
15	3015.631	3036.371	3062.618	3109.171	3119.331
20	2711.078	2727.219	2748.291	2789.176	2786.317
25	2231.676	2250.673	2247.270	2283.622	2252.600
30	1475.149	1484.874	1483.872	1501.238	1475.380
35	638.491	637.189	632.880	600.895	618.184
40	187.632	200.480	185.084	184.460	185.824
45	61.859	63.266	61.330	57.470	59.690
50	18.696	20.013	17.454	14.549	16.195
55	5.807	5.704	4.903	4.599	4.314
60	2.540	2.857	2.457	2.358	2.539
65	2.099	1.402	2.258	1.973	2.278
70	2.694	3.061	2.470	2.154	2.266
75	2.389	3.018	1.934	2.034	2.953
80	1.346	1.282	1.277	1.723	1.445
85	1.190	0.973	1.184	1.142	1.484
90	1.294	1.274	1.878	1.071	1.086

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Zone	Lumens	%Lamp	%Fixt
0-20	1183.02	N.A.	43.80
0-30	2181.99	N.A.	80.70
0-40	2628.68	N.A.	97.20
0-60	2697.36	N.A.	99.80
0-80	2701.92	N.A.	99.90
0-90	2703.31	N.A.	100.00
10-90	2377.64	N.A.	88.00
20-40	1445.66	N.A.	53.50
20-50	1507.7	N.A.	55.80
40-70	70.92	N.A.	2.60
60-80	4.56	N.A.	0.20
70-80	2.32	N.A.	0.10
80-90	1.39	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	2703.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	325.67
10-20	857.35
20-30	998.96
30-40	446.69
40-50	62.05
50-60	6.64
60-70	2.23
70-80	2.32
80-90	1.39
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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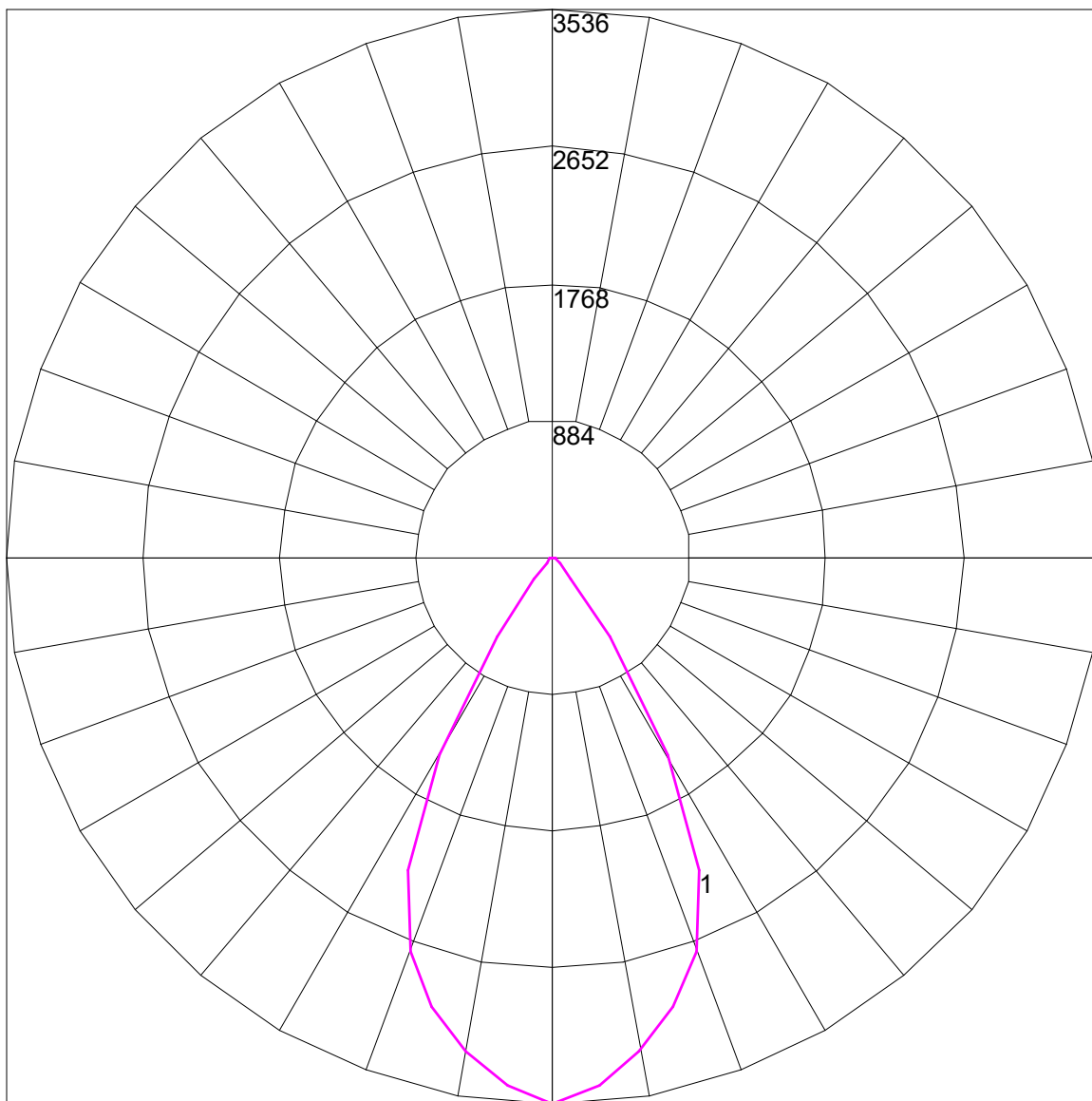
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	88
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	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	68	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58
10	75	66	60	57	74	66	60	57	65	60	57	64	60	56	63	59	56	55

POLAR GRAPH



Maximum Candela = 3535.969 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)