

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_12 ~ C0412XT-40LXXK-XWEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_12_M-40L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-40L-xxK-XW-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 53.9 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	2877
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.82
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	11064	13531	16076
55	1106	1203	1597
65	1091	1467	1630
75	1611	1955	2899
85	1371	3418	3405

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3961.927	3961.927	3961.927	3961.927	3961.927
5	3883.098	3890.247	3893.061	3887.108	3879.081
10	3686.533	3700.514	3683.694	3684.490	3654.700
15	3426.529	3451.324	3422.880	3425.278	3386.119
20	3006.202	3058.475	3022.944	3050.943	3005.154
25	2337.778	2430.131	2378.810	2466.362	2399.264
30	1411.761	1469.073	1470.524	1551.479	1522.919
35	527.712	534.326	566.708	618.975	618.469
40	151.018	161.856	164.688	195.188	190.307
45	40.125	44.494	49.071	56.972	58.301
50	8.917	9.726	10.135	13.912	14.022
55	3.254	3.110	3.538	3.876	4.698
60	2.456	4.013	3.538	3.175	4.134
65	2.365	2.733	3.180	2.794	3.533
70	2.437	2.415	2.959	2.494	3.892
75	2.138	1.945	2.595	2.241	3.848
80	1.260	0.930	1.327	1.722	1.401
85	0.613	1.186	1.528	1.293	1.522
90	1.372	0.631	1.441	0.808	1.314

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Zone	Lumens	%Lamp	%Fixt
0-20	1319.05	N.A.	45.80
0-30	2383.8	N.A.	82.80
0-40	2812.1	N.A.	97.70
0-60	2870.67	N.A.	99.80
0-80	2876.03	N.A.	100.00
0-90	2877.38	N.A.	100.00
10-90	2512.63	N.A.	87.30
20-40	1493.05	N.A.	51.90
20-50	1546.72	N.A.	53.80
40-70	61.57	N.A.	2.10
60-80	5.37	N.A.	0.20
70-80	2.37	N.A.	0.10
80-90	1.34	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	2877.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	364.74
10-20	954.31
20-30	1064.75
30-40	428.30
40-50	53.67
50-60	4.90
60-70	3.00
70-80	2.37
80-90	1.34
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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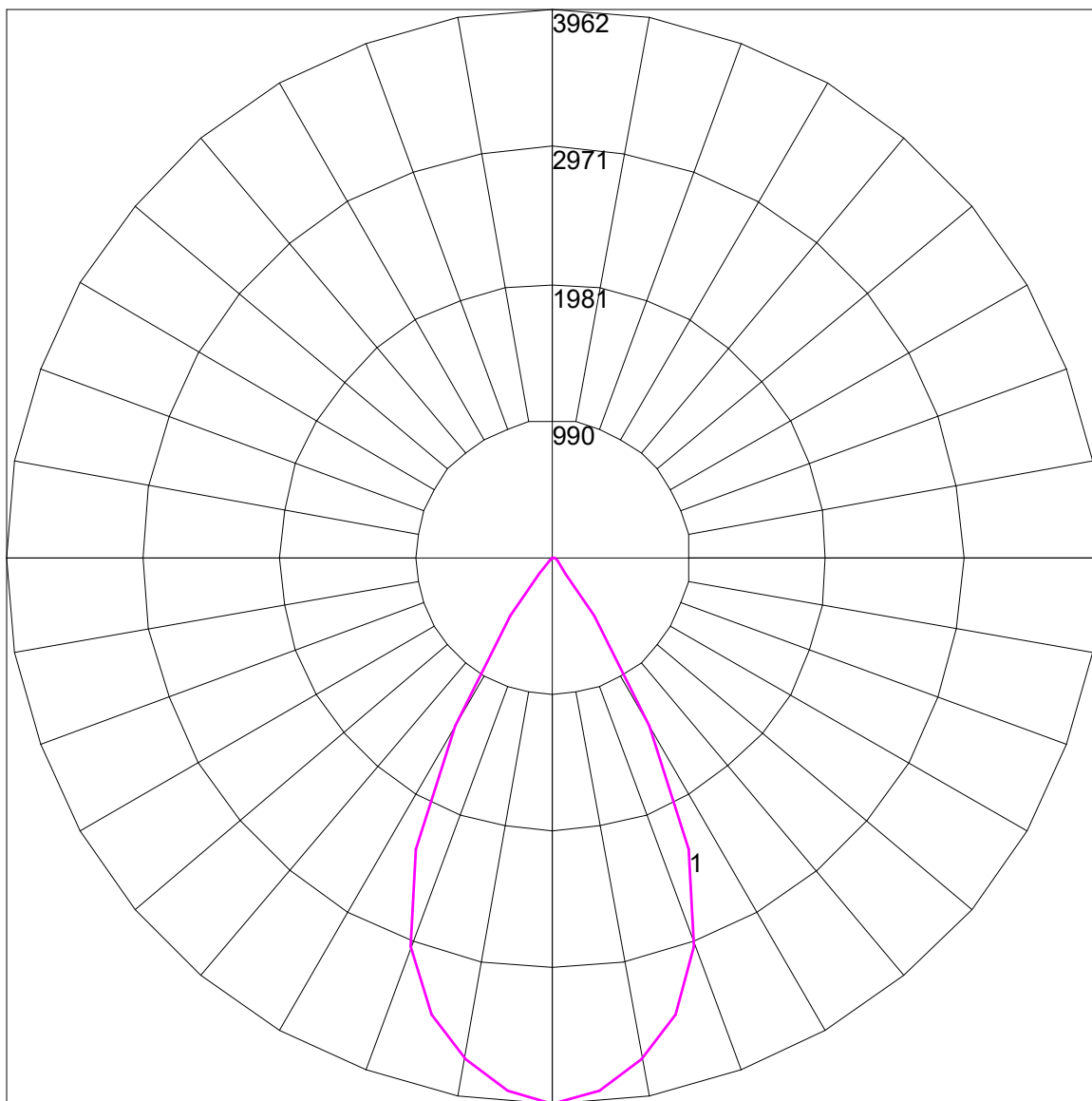
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	73	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	69	65	82	73	68	65	72	68	64	71	67	64	70	67	64	63
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59
10	76	67	62	58	75	66	61	58	66	61	58	65	61	58	64	60	57	56

POLAR GRAPH



Maximum Candela = 3961.927 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)