

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_12 ~ C0412XT-30LXXK-XWEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_12_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/1/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-30L-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	2242
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	32.6
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	8621	10543	12527
55	862	937	1244
65	850	1143	1270
75	1255	1523	2258
85	1069	2662	2653

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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	3087.216	3087.216	3087.216	3087.216	3087.216
5	3025.791	3031.362	3033.554	3028.915	3022.661
10	2872.623	2883.518	2870.411	2871.031	2847.819
15	2670.023	2689.344	2667.180	2669.048	2638.534
20	2342.495	2383.227	2355.541	2377.358	2341.678
25	1821.646	1893.608	1853.618	1921.840	1869.556
30	1100.074	1144.732	1145.863	1208.945	1186.690
35	411.204	416.358	441.590	482.318	481.924
40	117.676	126.122	128.329	152.095	148.291
45	31.266	34.671	38.237	44.393	45.430
50	6.949	7.579	7.897	10.841	10.926
55	2.536	2.423	2.757	3.020	3.661
60	1.913	3.127	2.757	2.474	3.221
65	1.843	2.129	2.478	2.177	2.753
70	1.899	1.882	2.306	1.943	3.033
75	1.666	1.516	2.022	1.747	2.998
80	0.982	0.725	1.034	1.342	1.092
85	0.478	0.924	1.190	1.007	1.186
90	1.069	0.491	1.123	0.629	1.024

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Zone	Lumens	%Lamp	%Fixt
0-20	1027.83	N.A.	45.80
0-30	1857.51	N.A.	82.80
0-40	2191.25	N.A.	97.70
0-60	2236.88	N.A.	99.80
0-80	2241.07	N.A.	100.00
0-90	2242.11	N.A.	100.00
10-90	1957.9	N.A.	87.30
20-40	1163.41	N.A.	51.90
20-50	1205.24	N.A.	53.80
40-70	47.97	N.A.	2.10
60-80	4.18	N.A.	0.20
70-80	1.85	N.A.	0.10
80-90	1.05	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	2242.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	284.21
10-20	743.62
20-30	829.67
30-40	333.74
40-50	41.82
50-60	3.81
60-70	2.34
70-80	1.85
80-90	1.05
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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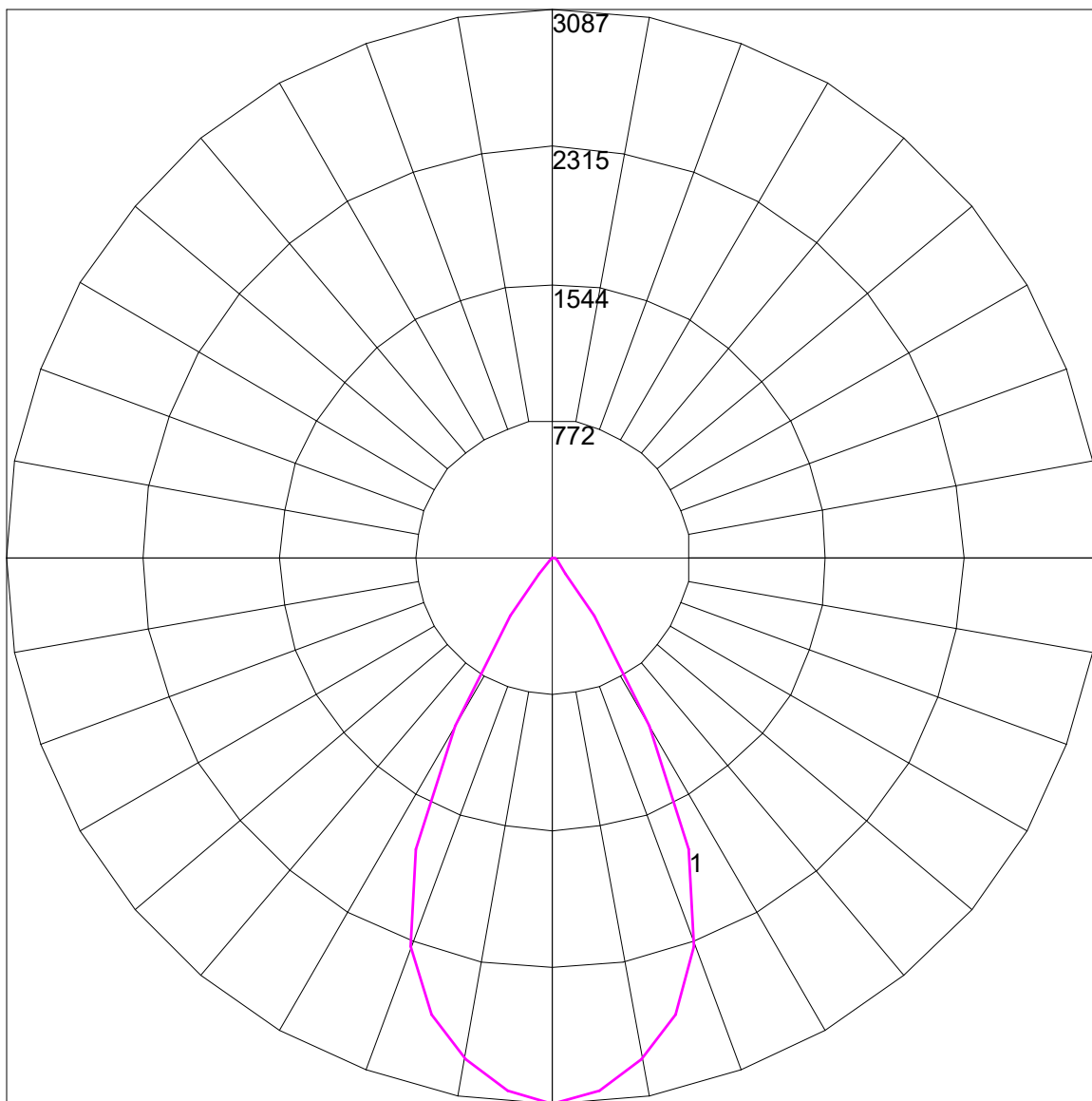
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	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	84	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	72	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 = 3087.216 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)