

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_15 ~ C0412XT-30LXXK-XWEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_15_M-30L
 [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-30L-xxK-WD-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite Lens
 [OTHER] 55.1 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2070
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
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	21963	21260	25361
55	5734	4864	6231
65	2509	2786	2519
75	2035	2121	1388
85	3459	2620	2622

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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	2732.592	2732.592	2732.592	2732.592	2732.592
5	2674.741	2696.893	2700.180	2706.352	2700.172
10	2544.988	2573.294	2565.966	2588.540	2583.467
15	2337.449	2361.604	2361.457	2389.412	2397.482
20	2005.523	2047.628	2039.649	2086.711	2100.683
25	1509.694	1570.170	1558.777	1632.090	1640.999
30	931.035	989.654	982.329	1058.890	1054.402
35	454.276	497.160	496.303	547.517	530.534
40	191.634	206.404	203.125	232.313	226.612
45	79.650	81.679	77.102	91.329	91.976
50	34.781	34.000	31.906	36.834	37.950
55	16.868	15.954	14.310	15.992	18.330
60	9.647	8.510	7.839	8.221	9.203
65	5.438	5.111	6.039	5.287	5.461
70	2.661	3.579	3.452	4.042	3.412
75	2.701	2.204	2.815	2.563	1.843
80	1.430	1.589	1.454	1.883	1.558
85	1.546	1.506	1.171	1.053	1.172
90	1.443	0.805	1.386	0.908	1.427

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Zone	Lumens	%Lamp	%Fixt
0-20	911.51	N.A.	44.00
0-30	1621.14	N.A.	78.30
0-40	1964.43	N.A.	94.90
0-60	2060.05	N.A.	99.50
0-80	2068.38	N.A.	99.90
0-90	2069.82	N.A.	100.00
10-90	1816.35	N.A.	87.80
20-40	1052.92	N.A.	50.90
20-50	1131.85	N.A.	54.70
40-70	101.30	N.A.	4.90
60-80	8.33	N.A.	0.40
70-80	2.65	N.A.	0.10
80-90	1.44	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	2069.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	253.47
10-20	658.04
20-30	709.63
30-40	343.29
40-50	78.94
50-60	16.69
60-70	5.67
70-80	2.65
80-90	1.44
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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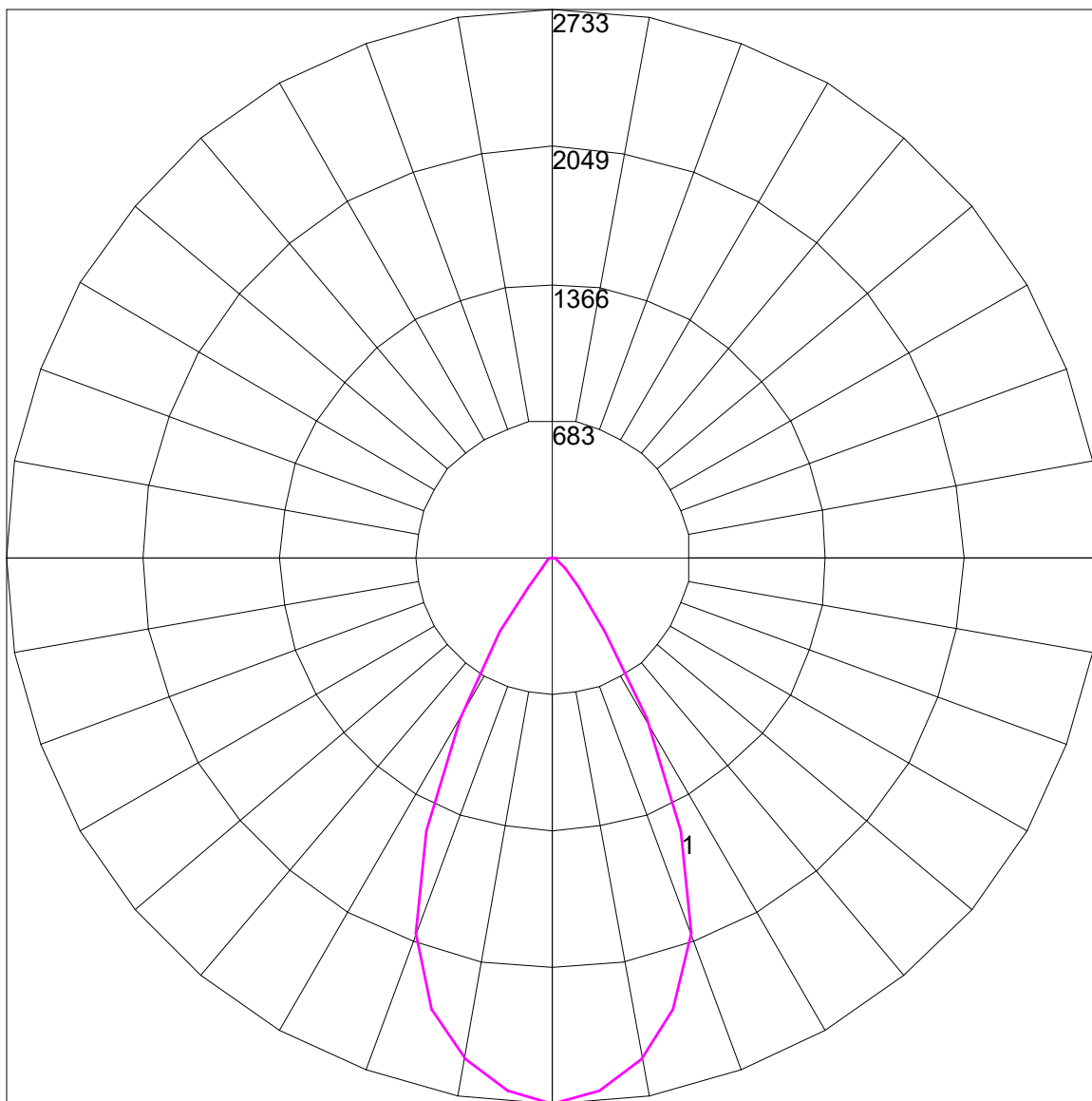
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68
7	85	77	71	67	84	76	71	67	75	70	66	74	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

POLAR GRAPH



Maximum Candela = 2732.592 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)