

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_15 ~ C0412XT-20LXXK-XWEX-SOXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] SP-00567_15_M-20L
[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-20L-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, scaled from 50L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1380
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	21.7
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	14642	14173	16908
55	3823	3243	4154
65	1672	1857	1680
75	1357	1413	925
85	2304	1747	1749

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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	1821.728	1821.728	1821.728	1821.728	1821.728
5	1783.161	1797.929	1800.120	1804.235	1800.115
10	1696.658	1715.529	1710.644	1725.693	1722.311
15	1558.299	1574.402	1574.305	1592.942	1598.322
20	1337.015	1365.086	1359.766	1391.141	1400.455
25	1006.463	1046.780	1039.184	1088.060	1094.000
30	620.690	659.769	654.886	705.927	702.935
35	302.851	331.440	330.868	365.011	353.689
40	127.756	137.602	135.416	154.876	151.075
45	53.100	54.452	51.401	60.886	61.318
50	23.188	22.666	21.271	24.556	25.300
55	11.245	10.636	9.540	10.662	12.220
60	6.431	5.673	5.226	5.481	6.136
65	3.625	3.407	4.026	3.525	3.641
70	1.774	2.386	2.301	2.695	2.274
75	1.801	1.470	1.876	1.708	1.228
80	0.954	1.059	0.969	1.256	1.039
85	1.030	1.004	0.781	0.702	0.782
90	0.962	0.537	0.924	0.606	0.951

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Zone	Lumens	%Lamp	%Fixt
0-20	607.67	N.A.	44.00
0-30	1080.76	N.A.	78.30
0-40	1309.62	N.A.	94.90
0-60	1373.37	N.A.	99.50
0-80	1378.92	N.A.	99.90
0-90	1379.88	N.A.	100.00
10-90	1210.9	N.A.	87.80
20-40	701.94	N.A.	50.90
20-50	754.57	N.A.	54.70
40-70	67.53	N.A.	4.90
60-80	5.55	N.A.	0.40
70-80	1.77	N.A.	0.10
80-90	0.96	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	1379.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	168.98
10-20	438.69
20-30	473.08
30-40	228.86
40-50	52.62
50-60	11.12
60-70	3.78
70-80	1.77
80-90	0.96
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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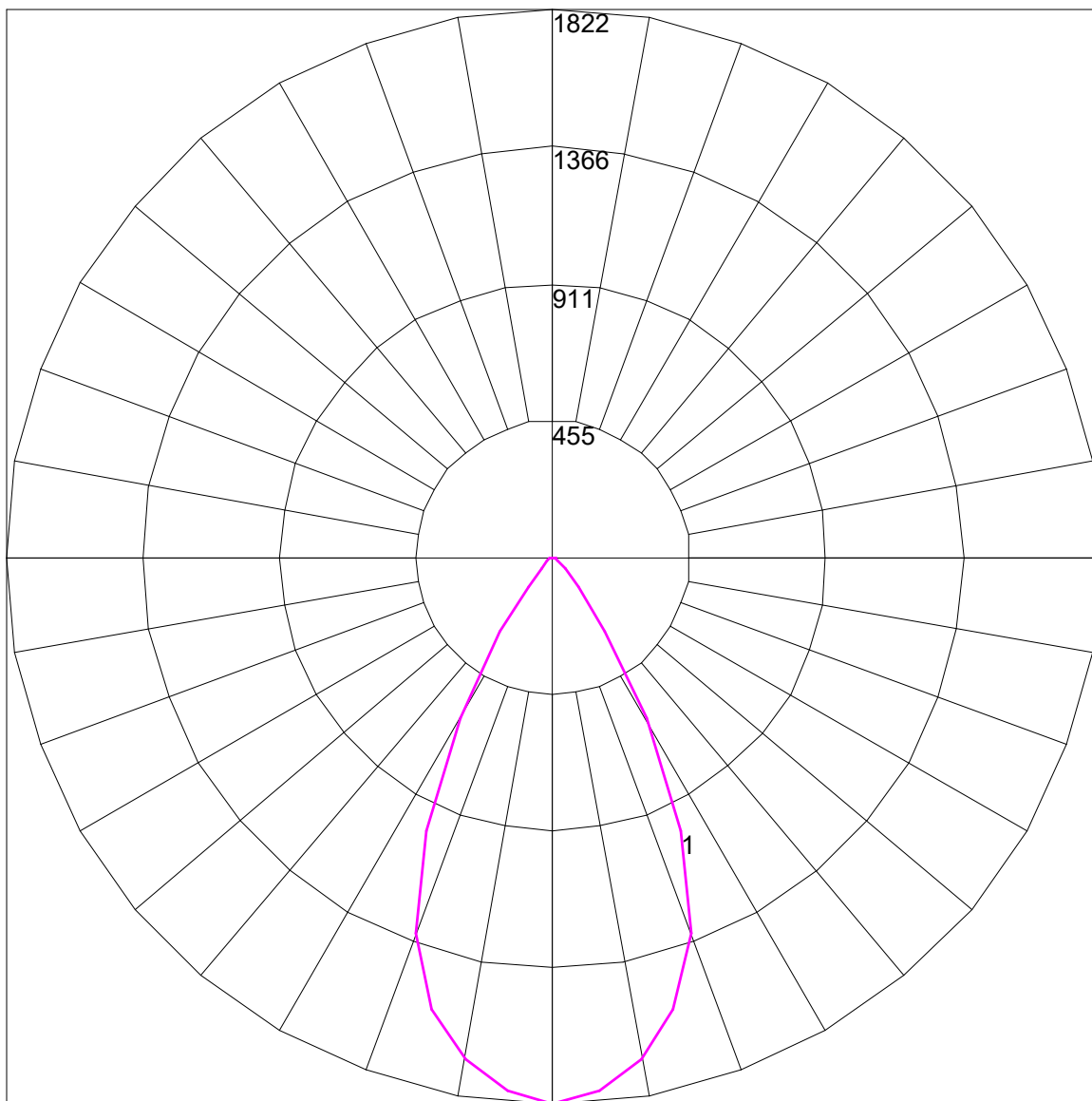
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1821.728 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)