

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_13 ~ C0412XT-20LXXK-XWEX-GLXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_13_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/2/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-20L-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	1404
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	21.7
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	8861	8785	8550
55	1026	866	762
65	503	541	546
75	935	757	1156
85	1383	1376	1725

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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	1836.867	1836.867	1836.867	1836.867	1836.867
5	1782.762	1789.192	1800.795	1810.763	1827.652
10	1682.964	1695.254	1710.194	1730.538	1739.680
15	1566.562	1577.336	1590.970	1615.154	1620.432
20	1408.352	1416.737	1427.684	1448.922	1447.437
25	1159.312	1169.181	1167.413	1186.297	1170.182
30	766.311	771.363	770.842	779.864	766.431
35	331.684	331.007	328.769	312.153	321.135
40	97.471	104.145	96.148	95.824	96.532
45	32.135	32.865	31.860	29.855	31.008
50	9.712	10.396	9.067	7.558	8.413
55	3.017	2.963	2.547	2.389	2.241
60	1.320	1.484	1.276	1.225	1.319
65	1.090	0.728	1.173	1.025	1.184
70	1.400	1.590	1.283	1.119	1.177
75	1.241	1.568	1.005	1.057	1.534
80	0.699	0.666	0.664	0.895	0.750
85	0.618	0.506	0.615	0.593	0.771
90	0.672	0.662	0.976	0.556	0.564

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Zone	Lumens	%Lamp	%Fixt
0-20	614.56	N.A.	43.80
0-30	1133.5	N.A.	80.70
0-40	1365.55	N.A.	97.20
0-60	1401.23	N.A.	99.80
0-80	1403.59	N.A.	99.90
0-90	1404.32	N.A.	100.00
10-90	1235.14	N.A.	88.00
20-40	750.99	N.A.	53.50
20-50	783.22	N.A.	55.80
40-70	36.84	N.A.	2.60
60-80	2.37	N.A.	0.20
70-80	1.21	N.A.	0.10
80-90	0.72	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	1404.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	169.18
10-20	445.38
20-30	518.94
30-40	232.05
40-50	32.23
50-60	3.45
60-70	1.16
70-80	1.21
80-90	0.72
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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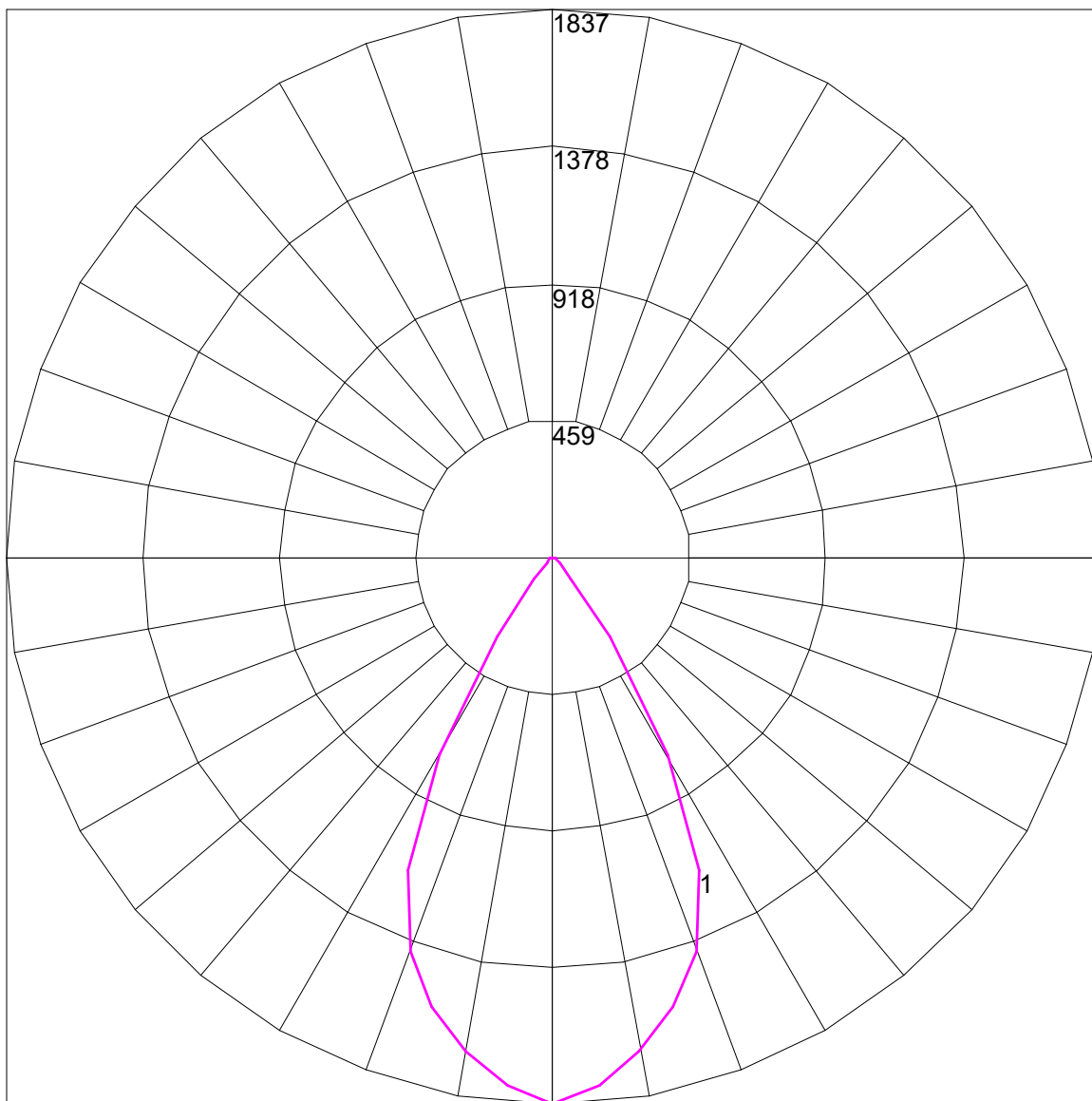
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1836.867 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)