

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_1 ~ C0412XT-30LXXK-NDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_1_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 5/31/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-30LxxK-ND-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear glass lens
 [OTHER] 17.5 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	2314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.34
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	1402	1078	1581
55	627	467	379
65	439	539	621
75	537	567	356
85	1459	2286	1998

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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	14315.635	14315.635	14315.635	14315.635	14315.635
5	11303.977	11398.710	11293.110	11330.688	11205.127
10	5803.207	5869.248	5838.387	5852.691	5721.492
15	2499.697	2560.707	2571.837	2572.470	2506.748
20	1282.948	1333.628	1350.560	1345.014	1311.103
25	909.464	917.206	937.095	940.164	931.417
30	577.987	580.483	585.610	588.581	591.034
35	160.693	156.010	159.620	159.524	176.251
40	10.865	9.908	10.768	12.653	17.011
45	5.086	4.996	3.909	6.278	5.734
50	2.069	2.267	2.290	2.081	1.681
55	1.844	1.343	1.375	2.644	1.114
60	1.634	1.858	1.227	2.038	1.406
65	0.952	1.523	1.168	1.316	1.345
70	1.109	0.704	0.809	1.111	1.579
75	0.713	0.958	0.752	0.673	0.473
80	0.923	0.586	0.721	0.885	0.905
85	0.652	0.496	1.022	0.918	0.893
90	0.644	0.742	1.064	0.784	1.315

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Zone	Lumens	%Lamp	%Fixt
0-20	1737.29	N.A.	75.10
0-30	2165.89	N.A.	93.60
0-40	2304.51	N.A.	99.60
0-60	2310.74	N.A.	99.90
0-80	2312.89	N.A.	100.00
0-90	2313.79	N.A.	100.00
10-90	1393.82	N.A.	60.20
20-40	567.23	N.A.	24.50
20-50	571.84	N.A.	24.70
40-70	7.52	N.A.	0.30
60-80	2.16	N.A.	0.10
70-80	0.86	N.A.	0.00
80-90	0.89	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	2313.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	919.96
10-20	817.32
20-30	428.60
30-40	138.63
40-50	4.61
50-60	1.61
60-70	1.29
70-80	0.86
80-90	0.89
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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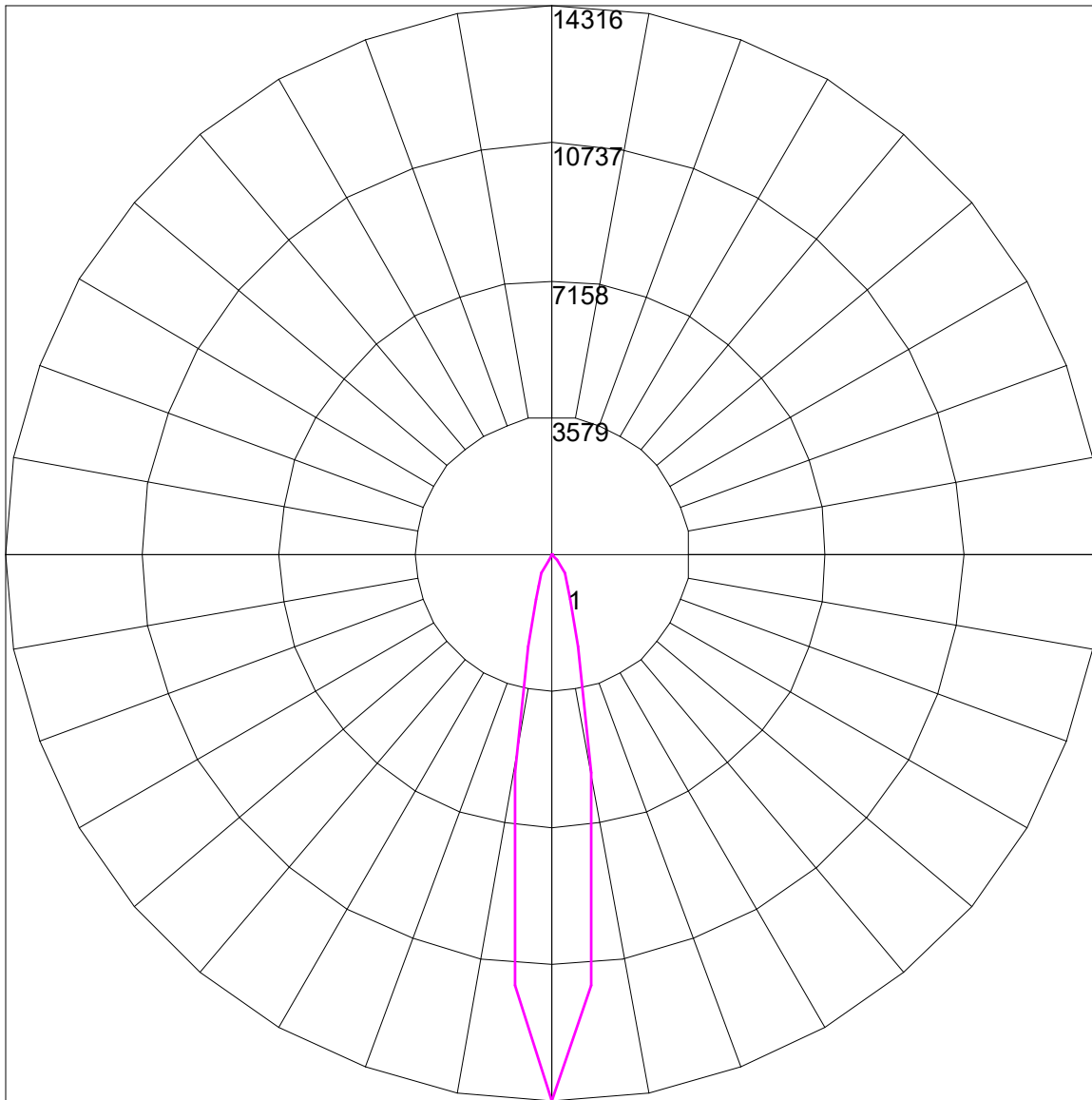
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	77	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 14315.635 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)