

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_7 ~ C0412XT-13LXXK-MDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_7_M-13L
 [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, Medium Beam
 [LUMCAT] C0412XT-13L-xxK-MD-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite Lens
 [OTHER] 28.2 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	873
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.52
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	4017	4182	3832
55	1050	1152	1144
65	649	650	809
75	530	570	433
85	922	1465	837

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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	2654.371	2654.371	2654.371	2654.371	2654.371
5	2428.037	2414.384	2446.434	2404.266	2436.573
10	1842.947	1842.408	1846.978	1833.963	1851.856
15	1213.931	1220.980	1213.889	1216.248	1220.327
20	752.983	761.009	754.124	758.152	758.035
25	460.523	465.047	463.871	465.479	464.962
30	252.066	254.311	255.617	253.134	253.716
35	106.551	105.297	107.124	102.910	108.600
40	37.028	36.726	38.005	37.796	39.286
45	14.568	13.653	15.167	13.629	13.896
50	6.183	6.251	6.741	6.556	5.707
55	3.089	3.229	3.390	3.791	3.366
60	2.004	1.682	2.098	2.710	2.215
65	1.407	1.209	1.408	1.272	1.753
70	0.956	0.872	0.860	1.009	1.128
75	0.703	0.583	0.756	0.650	0.575
80	0.473	0.693	0.532	0.598	0.648
85	0.412	0.413	0.655	0.547	0.374
90	0.463	0.422	0.572	0.375	0.352

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Zone	Lumens	%Lamp	%Fixt
0-20	557.57	N.A.	63.80
0-30	776.58	N.A.	88.90
0-40	853.47	N.A.	97.70
0-60	870.64	N.A.	99.70
0-80	872.83	N.A.	99.90
0-90	873.39	N.A.	100.00
10-90	660.03	N.A.	75.60
20-40	295.90	N.A.	33.90
20-50	309.65	N.A.	35.50
40-70	18.60	N.A.	2.10
60-80	2.19	N.A.	0.30
70-80	0.75	N.A.	0.10
80-90	0.56	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	873.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	213.36
10-20	344.21
20-30	219.01
30-40	76.90
40-50	13.75
50-60	3.41
60-70	1.44
70-80	0.75
80-90	0.56
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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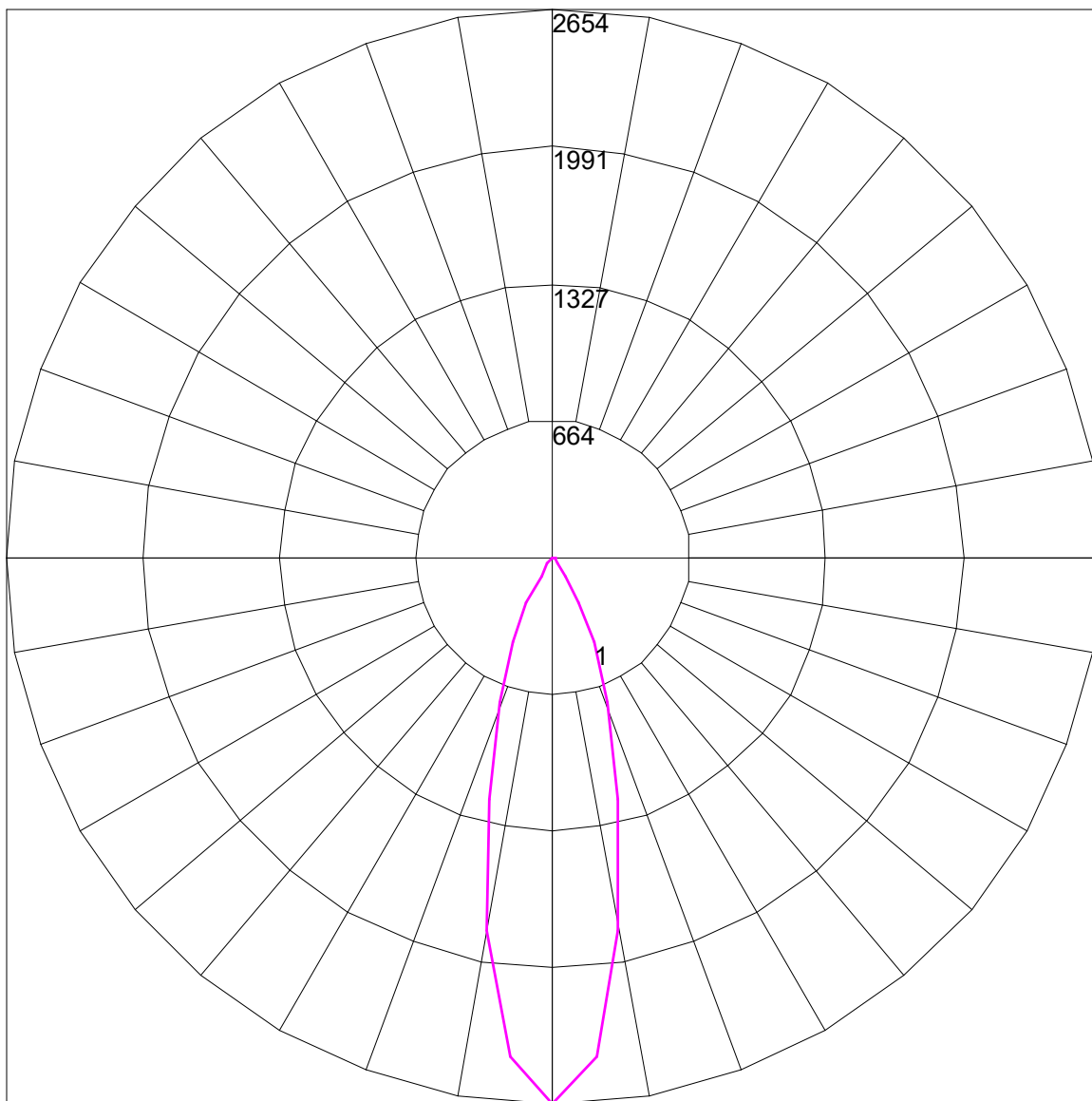
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	80
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	72	69	75	71	69	68
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

POLAR GRAPH



Maximum Candela = 2654.371 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)