

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_8 ~ C0412XT-20LXXK-WDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_8_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Wide Beam
 [LUMCAT] C0412XT-20L-xxK-WD-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 37.3 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	1455
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.62
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	1713	1709	1715
55	734	981	1096
65	308	709	758
75	737	1056	1211
85	1327	1217	1266

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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	3363.390	3363.390	3363.390	3363.390	3363.390
5	3255.811	3257.108	3241.624	3240.056	3209.835
10	2858.357	2849.854	2837.820	2840.905	2797.718
15	2198.934	2190.454	2180.444	2196.498	2147.914
20	1489.035	1481.859	1479.758	1476.938	1462.812
25	950.688	944.632	940.556	937.370	933.980
30	505.232	496.562	484.860	487.524	465.111
35	128.251	124.675	131.239	114.612	123.852
40	10.444	9.633	13.035	9.963	13.606
45	6.214	5.210	6.199	5.766	6.221
50	3.555	3.419	3.557	3.303	4.318
55	2.159	1.980	2.886	3.152	3.225
60	1.707	1.503	1.959	1.863	2.429
65	0.668	1.193	1.536	1.212	1.643
70	0.816	1.332	1.500	1.148	1.286
75	0.978	1.535	1.402	1.254	1.607
80	0.683	0.362	0.406	0.707	0.464
85	0.593	0.407	0.544	0.584	0.566
90	0.344	0.484	0.272	0.550	0.682

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Zone	Lumens	%Lamp	%Fixt
0-20	896.54	N.A.	61.60
0-30	1331.28	N.A.	91.50
0-40	1444.07	N.A.	99.30
0-60	1451.52	N.A.	99.80
0-80	1454.11	N.A.	100.00
0-90	1454.67	N.A.	100.00
10-90	1158.11	N.A.	79.60
20-40	547.53	N.A.	37.60
20-50	552.58	N.A.	38.00
40-70	8.85	N.A.	0.60
60-80	2.59	N.A.	0.20
70-80	1.19	N.A.	0.10
80-90	0.55	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	1454.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	296.55
10-20	599.99
20-30	434.73
30-40	112.80
40-50	5.05
50-60	2.40
60-70	1.40
70-80	1.19
80-90	0.55
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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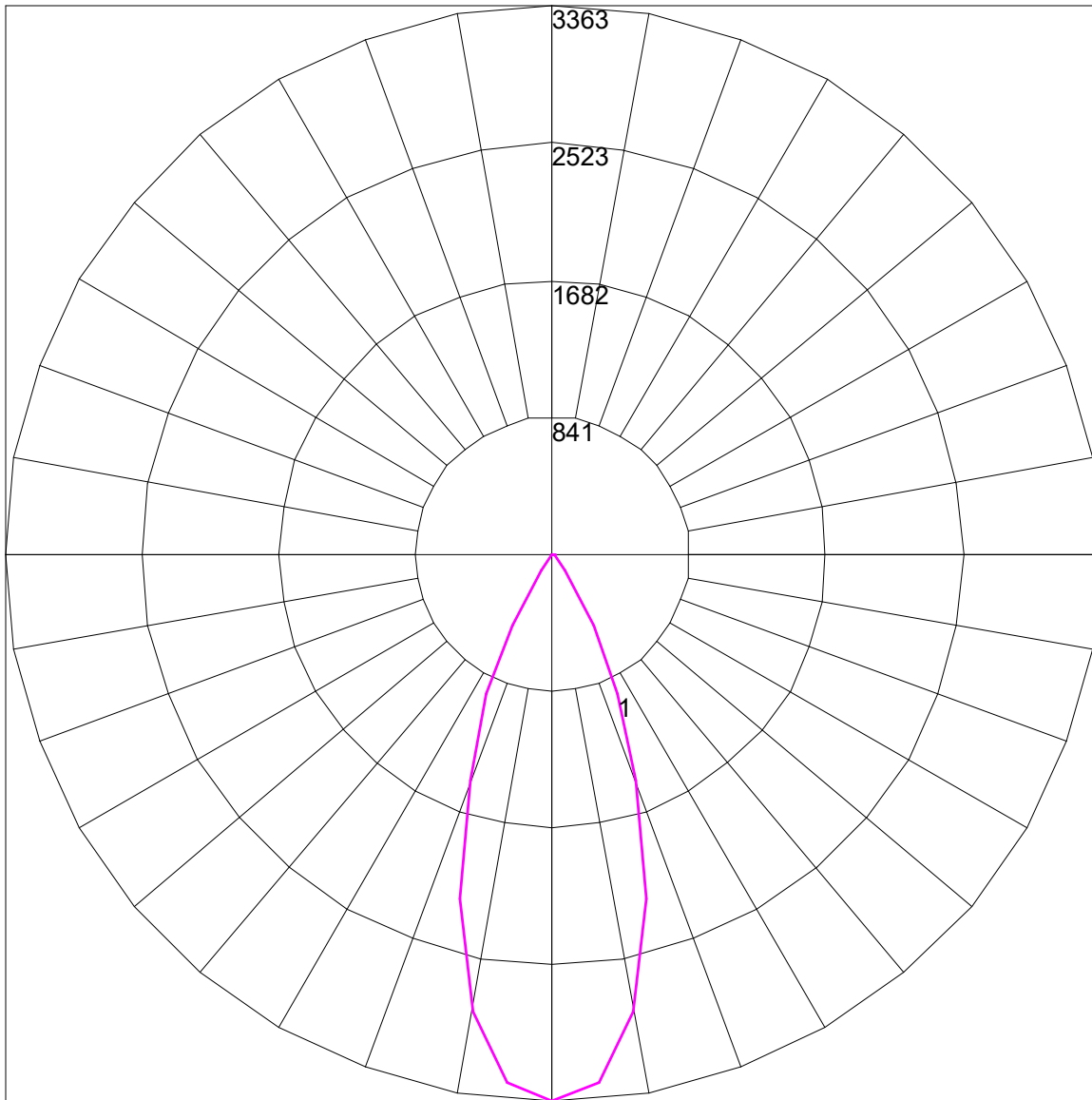
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	84	77	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64

POLAR GRAPH



Maximum Candela = 3363.39 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)