

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_8 ~ C0412XT-10LXXK-WDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_8_M-10L
 [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-10L-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	702
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	9.1
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	827	825	828
55	354	473	529
65	149	342	366
75	356	509	584
85	640	586	611

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_8 ~ C0412XT-10LXXK-WDEX-BBXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1622.836	1622.836	1622.836	1622.836	1622.836
5	1570.929	1571.554	1564.084	1563.327	1548.745
10	1379.157	1375.055	1369.248	1370.737	1349.899
15	1060.986	1056.894	1052.064	1059.810	1036.368
20	718.459	714.997	713.983	712.623	705.807
25	458.707	455.785	453.818	452.281	450.646
30	243.774	239.591	233.945	235.230	224.416
35	61.881	60.156	63.323	55.300	59.759
40	5.039	4.648	6.289	4.807	6.565
45	2.998	2.514	2.991	2.782	3.002
50	1.715	1.650	1.716	1.594	2.084
55	1.042	0.956	1.392	1.521	1.556
60	0.824	0.725	0.945	0.899	1.172
65	0.322	0.576	0.741	0.585	0.793
70	0.394	0.643	0.724	0.554	0.621
75	0.472	0.741	0.676	0.605	0.775
80	0.329	0.175	0.196	0.341	0.224
85	0.286	0.196	0.262	0.282	0.273
90	0.166	0.234	0.131	0.265	0.329

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Zone	Lumens	%Lamp	%Fixt
0-20	432.58	N.A.	61.60
0-30	642.34	N.A.	91.50
0-40	696.76	N.A.	99.30
0-60	700.36	N.A.	99.80
0-80	701.61	N.A.	100.00
0-90	701.88	N.A.	100.00
10-90	558.79	N.A.	79.60
20-40	264.18	N.A.	37.60
20-50	266.62	N.A.	38.00
40-70	4.27	N.A.	0.60
60-80	1.25	N.A.	0.20
70-80	0.57	N.A.	0.10
80-90	0.27	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	701.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	143.09
10-20	289.50
20-30	209.76
30-40	54.42
40-50	2.44
50-60	1.16
60-70	0.68
70-80	0.57
80-90	0.27
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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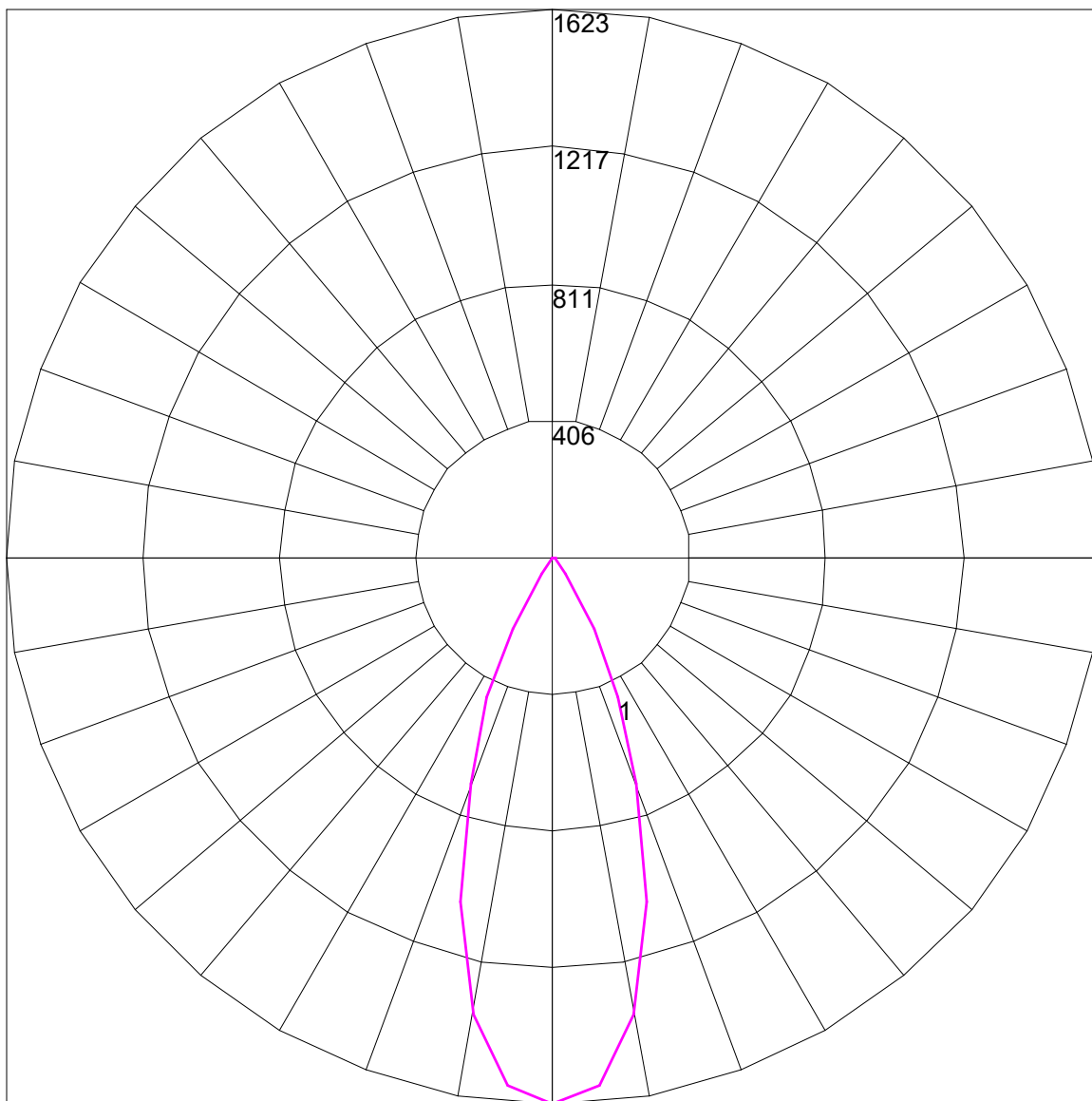
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1622.836 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)