

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_14 ~ C0412XT-10LXXK-XWEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_14_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/5/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-10L-xxK-XW-EX-NL-xx-MW
 [OTHER] Matte White finish, No lens
 [OTHER] 53 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	682
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.86
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.80
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	2293	2581	3043
55	145	203	145
65	121	137	160
75	209	267	233
85	720	506	662

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_14 ~ C0412XT-10LXXK-XWEX-NLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	957.323	957.323	957.323	957.323	957.323
5	934.095	942.073	942.857	946.832	944.714
10	884.379	894.722	894.203	906.796	900.252
15	818.087	827.737	825.748	840.258	837.267
20	714.840	727.458	721.672	743.435	738.964
25	548.795	565.415	558.897	586.358	584.176
30	317.087	339.159	329.870	367.550	366.368
35	109.219	123.654	124.639	138.825	142.809
40	32.105	36.105	36.304	40.876	40.754
45	8.315	9.785	9.361	11.520	11.037
50	1.404	1.580	1.721	1.917	1.923
55	0.428	0.395	0.598	0.554	0.428
60	0.376	0.345	0.424	0.333	0.409
65	0.263	0.307	0.298	0.237	0.346
70	0.313	0.319	0.196	0.243	0.414
75	0.278	0.373	0.355	0.215	0.309
80	0.341	0.356	0.463	0.325	0.356
85	0.322	0.292	0.226	0.394	0.296
90	0.437	0.136	0.289	0.147	0.261

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Zone	Lumens	%Lamp	%Fixt
0-20	319.58	N.A.	46.90
0-30	571.49	N.A.	83.80
0-40	668.77	N.A.	98.10
0-60	680.63	N.A.	99.90
0-80	681.27	N.A.	100.00
0-90	681.61	N.A.	100.00
10-90	593.07	N.A.	87.00
20-40	349.19	N.A.	51.20
20-50	360.37	N.A.	52.90
40-70	12.17	N.A.	1.80
60-80	0.64	N.A.	0.10
70-80	0.34	N.A.	0.00
80-90	0.33	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	681.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.53
10-20	231.05
20-30	251.91
30-40	97.28
40-50	11.18
50-60	0.68
60-70	0.30
70-80	0.34
80-90	0.33
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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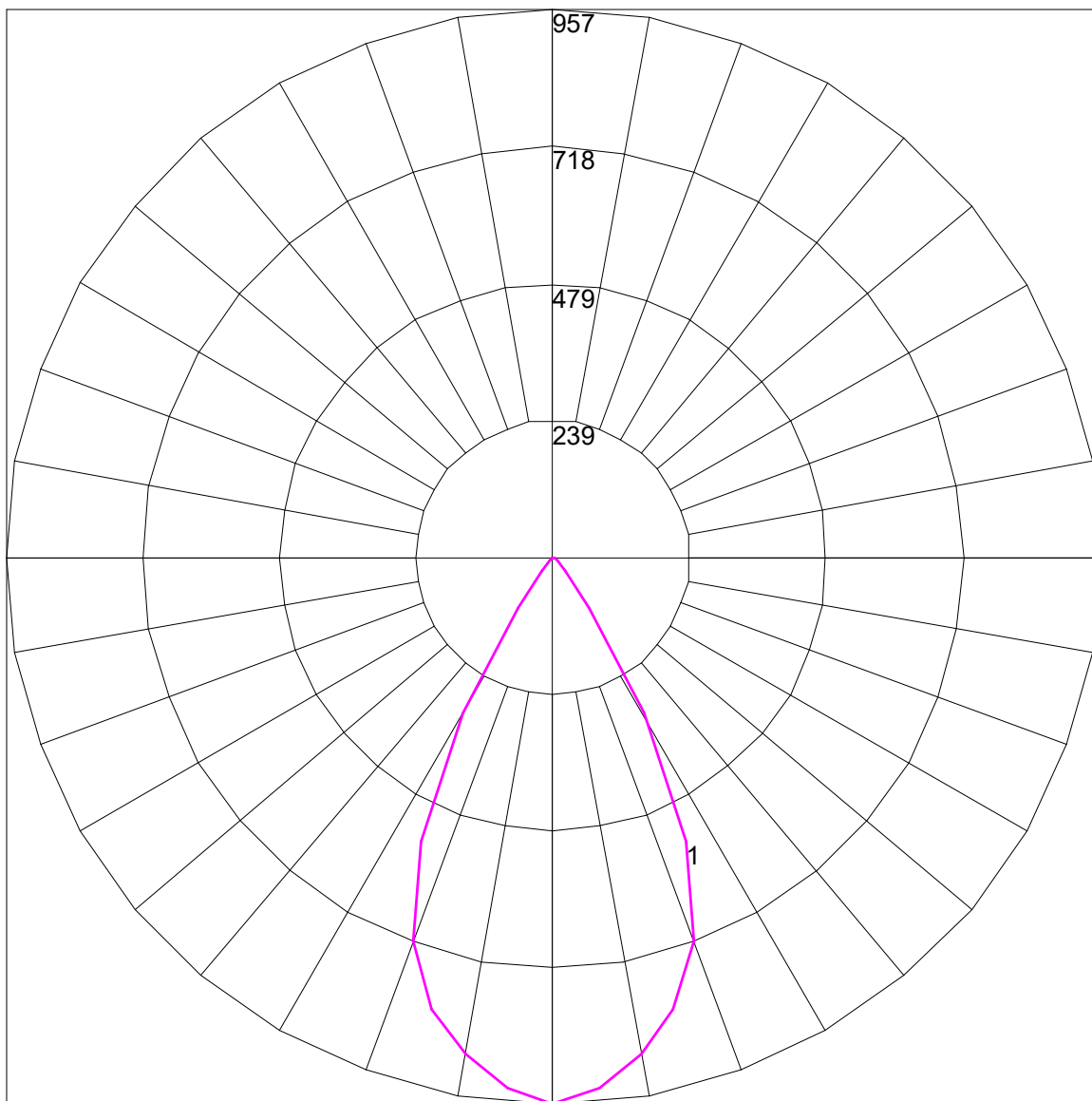
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	88	84	98	91	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	93	87	82	78	85	80	77	83	79	77	82	78	76	75
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10	76	67	62	59	75	67	62	58	66	61	58	65	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 957.323 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)