

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_13 ~ C0412XT-10LXXK-XWEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_13_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/2/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-10L-xxK-XW-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 56.1 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	678
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	0.84
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	4275	4239	4125
55	495	418	367
65	243	261	263
75	451	365	557
85	667	664	832

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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	886.288	886.288	886.288	886.288	886.288
5	860.183	863.285	868.884	873.693	881.842
10	812.030	817.960	825.169	834.985	839.395
15	755.866	761.064	767.643	779.312	781.858
20	679.530	683.576	688.857	699.105	698.388
25	559.368	564.130	563.277	572.388	564.613
30	369.745	372.183	371.931	376.284	369.803
35	160.037	159.711	158.631	150.614	154.948
40	47.030	50.250	46.391	46.235	46.577
45	15.505	15.857	15.372	14.405	14.961
50	4.686	5.016	4.375	3.647	4.059
55	1.456	1.430	1.229	1.153	1.081
60	0.637	0.716	0.616	0.591	0.637
65	0.526	0.351	0.566	0.494	0.571
70	0.675	0.767	0.619	0.540	0.568
75	0.599	0.757	0.485	0.510	0.740
80	0.337	0.321	0.320	0.432	0.362
85	0.298	0.244	0.297	0.286	0.372
90	0.324	0.319	0.471	0.268	0.272

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Zone	Lumens	%Lamp	%Fixt
0-20	296.52	N.A.	43.80
0-30	546.91	N.A.	80.70
0-40	658.88	N.A.	97.20
0-60	676.09	N.A.	99.80
0-80	677.23	N.A.	99.90
0-90	677.58	N.A.	100.00
10-90	595.95	N.A.	88.00
20-40	362.35	N.A.	53.50
20-50	377.90	N.A.	55.80
40-70	17.78	N.A.	2.60
60-80	1.14	N.A.	0.20
70-80	0.58	N.A.	0.10
80-90	0.35	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	677.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.63
10-20	214.90
20-30	250.39
30-40	111.96
40-50	15.55
50-60	1.66
60-70	0.56
70-80	0.58
80-90	0.35
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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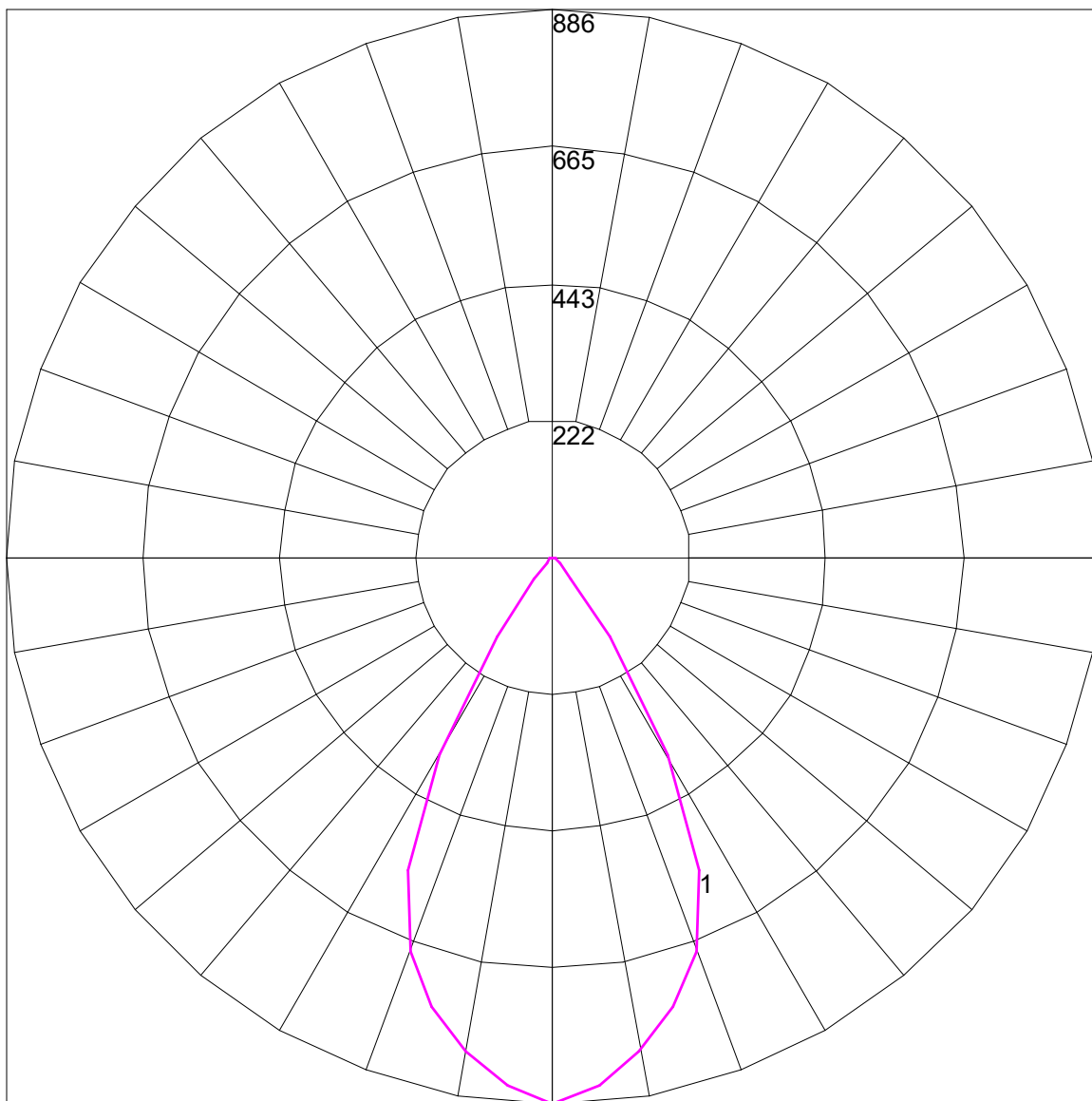
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	67	64	71	67	63	70	66	63	70	66	63	61
9	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58
10	75	66	60	57	74	65	60	57	65	60	57	64	60	56	63	59	56	55

POLAR GRAPH



Maximum Candela = 886.288 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)