

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_14 ~ C0412XT-13LXXK-XWEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_14_M-13L
 [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-13L-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	918
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	13
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	3089	3477	4100
55	196	274	196
65	164	185	215
75	282	360	313
85	971	680	893

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_14 ~ C0412XT-13LXXK-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	1289.658	1289.658	1289.658	1289.658	1289.658
5	1258.366	1269.113	1270.170	1275.525	1272.672
10	1191.391	1205.325	1204.626	1221.591	1212.774
15	1102.086	1115.086	1112.406	1131.953	1127.924
20	962.997	979.995	972.201	1001.519	995.495
25	739.309	761.699	752.918	789.912	786.973
30	427.164	456.898	444.385	495.146	493.553
35	147.135	166.581	167.907	187.018	192.385
40	43.250	48.638	48.907	55.066	54.901
45	11.202	13.181	12.611	15.519	14.868
50	1.891	2.129	2.318	2.582	2.591
55	0.576	0.532	0.805	0.747	0.576
60	0.506	0.465	0.571	0.448	0.551
65	0.355	0.414	0.401	0.319	0.466
70	0.422	0.430	0.265	0.327	0.558
75	0.374	0.503	0.478	0.290	0.416
80	0.459	0.480	0.623	0.438	0.480
85	0.434	0.393	0.304	0.530	0.399
90	0.589	0.183	0.390	0.199	0.351

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Zone	Lumens	%Lamp	%Fixt
0-20	430.52	N.A.	46.90
0-30	769.88	N.A.	83.80
0-40	900.93	N.A.	98.10
0-60	916.92	N.A.	99.90
0-80	917.78	N.A.	100.00
0-90	918.22	N.A.	100.00
10-90	798.96	N.A.	87.00
20-40	470.41	N.A.	51.20
20-50	485.47	N.A.	52.90
40-70	16.39	N.A.	1.80
60-80	0.86	N.A.	0.10
70-80	0.45	N.A.	0.00
80-90	0.45	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	918.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	119.26
10-20	311.26
20-30	339.36
30-40	131.05
40-50	15.07
50-60	0.92
60-70	0.41
70-80	0.45
80-90	0.45
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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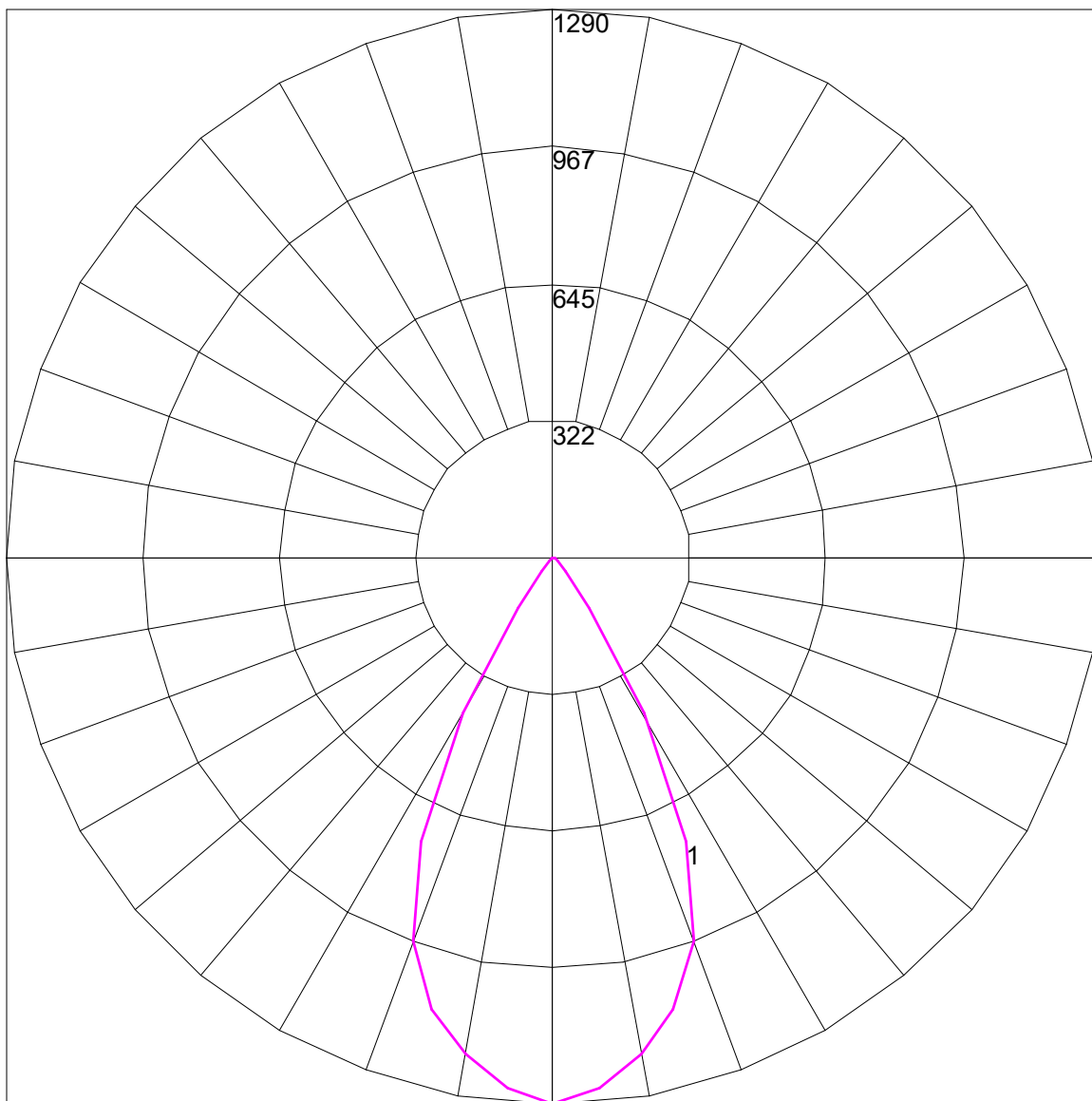
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	99	97	100	97	95	97	94	93	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	89	85	82	88	84	81	86	83	80	79
5	95	88	82	78	94	87	82	78	85	81	77	83	80	77	82	79	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	62	58	65	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 1289.658 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)