

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-13LXXK-NDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-0056_3_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, Narrow Beam
 [LUMCAT] C0412XT-13L-xxK-ND-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite lens
 [OTHER] 19.9 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	914
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.38
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	3054	3165	3531
55	771	667	606
65	411	428	333
75	383	582	481
85	1481	1042	1107

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-13LXXK-NDEX-SOXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4509.905	4509.905	4509.905	4509.905	4509.905
5	3768.492	3687.692	3767.085	3707.922	3742.611
10	2199.365	2243.858	2224.336	2223.805	2224.674
15	1093.070	1150.712	1133.260	1125.237	1140.513
20	584.998	613.675	611.642	599.878	616.904
25	361.585	376.762	376.292	375.406	379.816
30	207.321	213.343	217.647	220.557	221.272
35	92.561	87.125	97.111	95.357	99.472
40	33.372	29.991	33.700	34.011	36.697
45	11.075	10.293	11.478	11.838	12.804
50	4.485	3.670	4.401	4.505	4.092
55	2.269	2.139	1.961	3.042	1.782
60	1.346	1.102	1.067	1.559	0.995
65	0.891	0.691	0.927	1.072	0.721
70	0.856	0.649	0.762	0.776	0.663
75	0.508	0.638	0.773	0.810	0.638
80	0.629	0.662	0.379	0.681	0.699
85	0.662	0.591	0.466	0.752	0.495
90	0.564	0.246	0.544	0.251	0.740

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Zone	Lumens	%Lamp	%Fixt
0-20	653.95	N.A.	71.50
0-30	831.70	N.A.	90.90
0-40	898.61	N.A.	98.30
0-60	912.24	N.A.	99.80
0-80	913.88	N.A.	99.90
0-90	914.48	N.A.	100.00
10-90	602.93	N.A.	65.90
20-40	244.65	N.A.	26.80
20-50	256.06	N.A.	28.00
40-70	14.55	N.A.	1.60
60-80	1.64	N.A.	0.20
70-80	0.72	N.A.	0.10
80-90	0.60	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	914.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	311.55
10-20	342.40
20-30	177.75
30-40	66.91
40-50	11.41
50-60	2.23
60-70	0.92
70-80	0.72
80-90	0.60
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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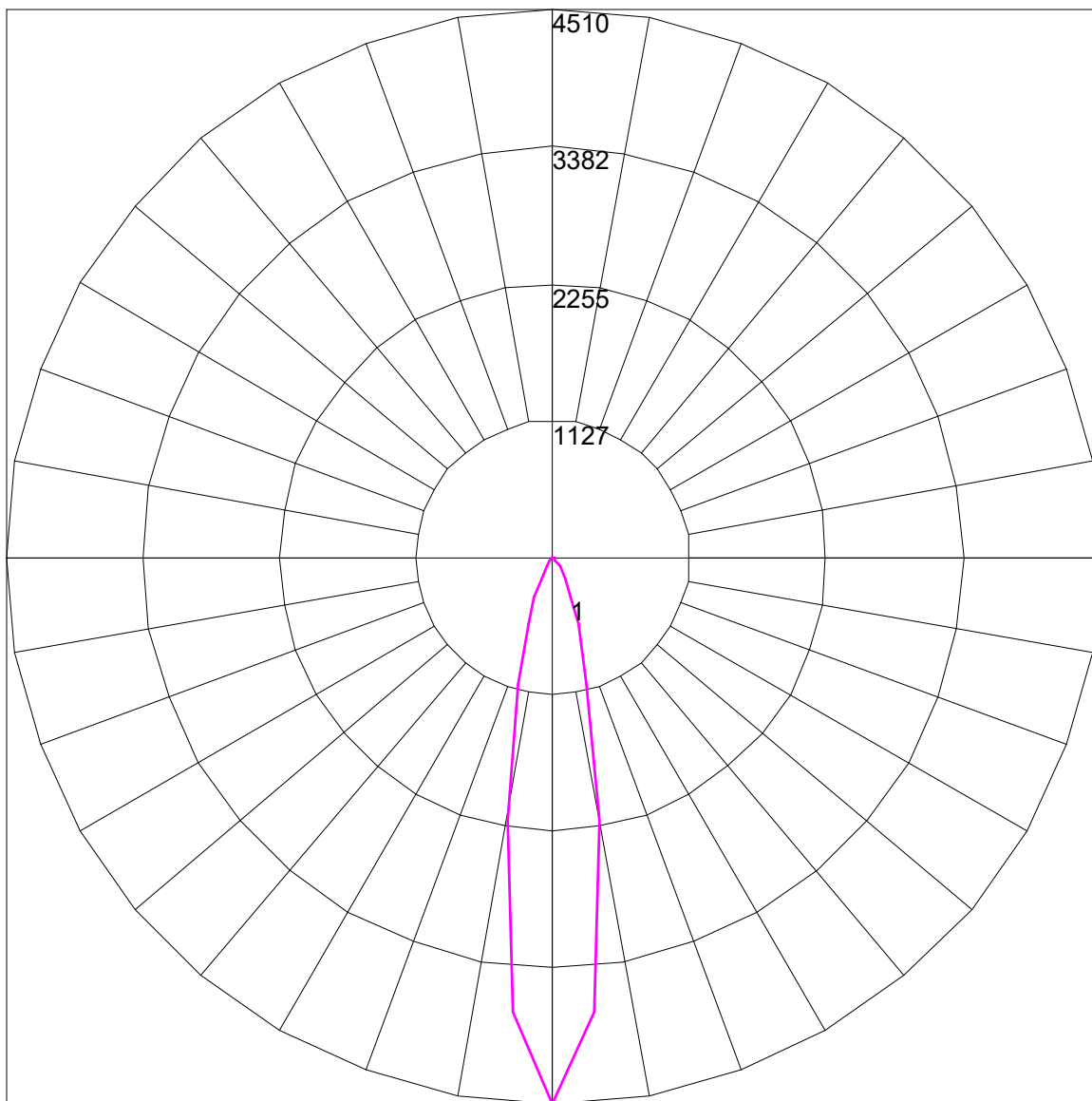
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	112	111	109	107	107	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	88	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	79	76	81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70

POLAR GRAPH



Maximum Candela = 4509.905 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)