

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_1 ~ C0412XT-20LXXK-NDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_1_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 5/31/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-20L-xxK-ND-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear glass lens
 [OTHER] 17.5 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	1543
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.34
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	935	719	1054
55	418	312	252
65	292	359	414
75	358	378	238
85	971	1523	1333

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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	9543.757	9543.757	9543.757	9543.757	9543.757
5	7535.985	7599.140	7528.740	7553.792	7470.085
10	3868.805	3912.832	3892.258	3901.794	3814.328
15	1666.464	1707.138	1714.558	1714.980	1671.166
20	855.299	889.085	900.374	896.676	874.068
25	606.310	611.471	624.730	626.776	620.944
30	385.325	386.989	390.407	392.387	394.022
35	107.129	104.006	106.414	106.350	117.500
40	7.244	6.606	7.179	8.435	11.340
45	3.390	3.331	2.606	4.185	3.822
50	1.379	1.511	1.526	1.388	1.120
55	1.229	0.895	0.917	1.762	0.742
60	1.090	1.239	0.818	1.358	0.938
65	0.634	1.016	0.779	0.878	0.897
70	0.740	0.470	0.539	0.741	1.053
75	0.475	0.639	0.502	0.448	0.316
80	0.615	0.390	0.480	0.590	0.603
85	0.434	0.330	0.681	0.612	0.596
90	0.430	0.494	0.709	0.522	0.876

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Zone	Lumens	%Lamp	%Fixt
0-20	1158.19	N.A.	75.10
0-30	1443.92	N.A.	93.60
0-40	1536.34	N.A.	99.60
0-60	1540.49	N.A.	99.90
0-80	1541.93	N.A.	100.00
0-90	1542.52	N.A.	100.00
10-90	929.21	N.A.	60.20
20-40	378.15	N.A.	24.50
20-50	381.23	N.A.	24.70
40-70	5.01	N.A.	0.30
60-80	1.44	N.A.	0.10
70-80	0.57	N.A.	0.00
80-90	0.59	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	1542.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	613.31
10-20	544.88
20-30	285.73
30-40	92.42
40-50	3.07
50-60	1.08
60-70	0.86
70-80	0.57
80-90	0.59
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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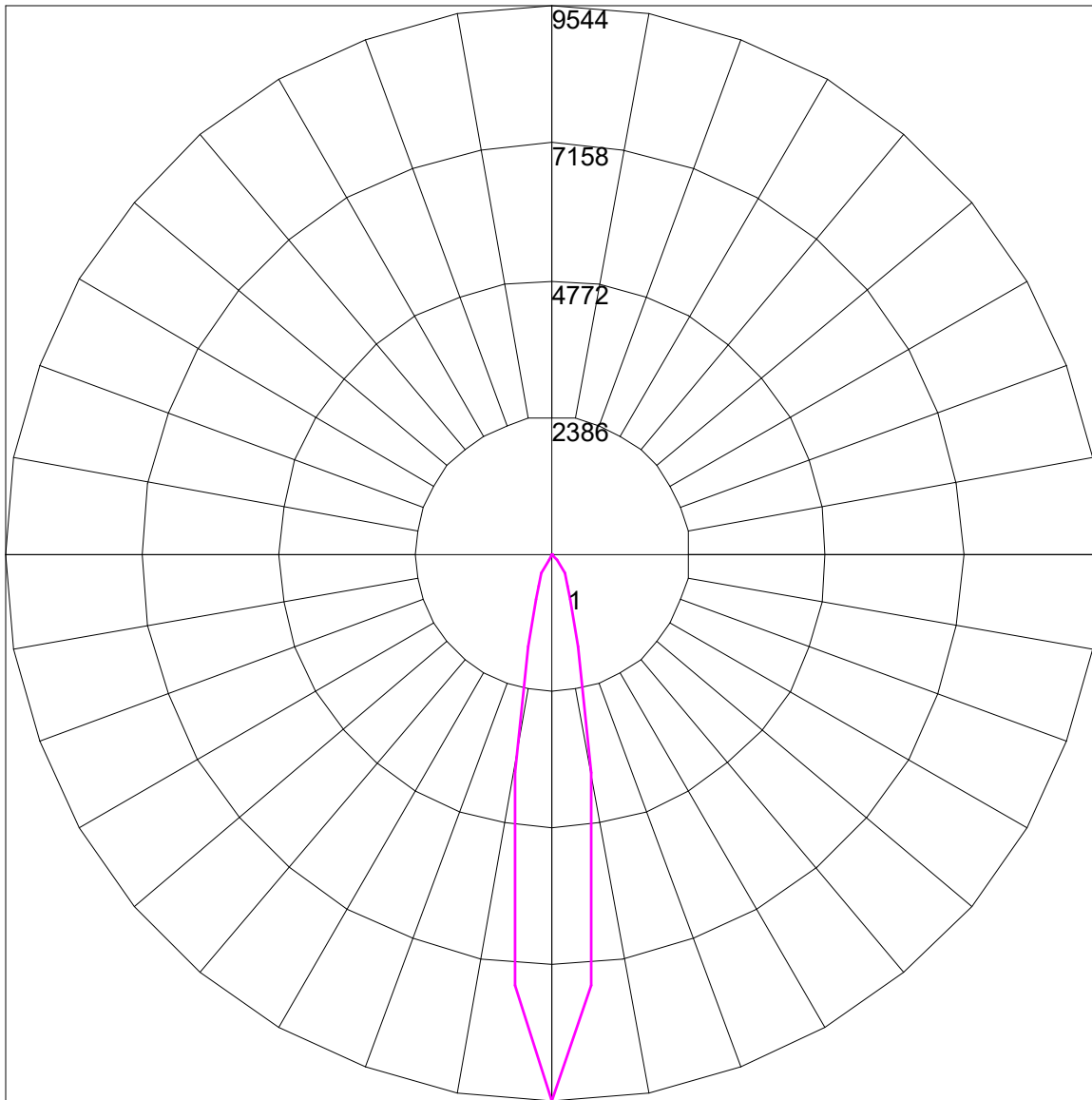
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	108	107	105	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	82	80	92	86	82	80	85	82	79	84	81	79	83	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	77	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 9543.757 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)