

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-20LXXK-NDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-0056_3_M-20L
 [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-20L-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	1407
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	21.7
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	4698	4869	5431
55	1187	1026	932
65	633	658	512
75	588	896	739
85	2277	1606	1702

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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	6938.316	6938.316	6938.316	6938.316	6938.316
5	5797.680	5673.372	5795.516	5704.496	5757.864
10	3383.638	3452.089	3422.056	3421.238	3422.576
15	1681.646	1770.326	1743.477	1731.134	1754.635
20	899.997	944.116	940.988	922.889	949.083
25	556.285	579.634	578.910	577.547	584.332
30	318.955	328.220	334.841	339.318	340.418
35	142.402	134.039	149.402	146.703	153.034
40	51.341	46.140	51.846	52.324	56.456
45	17.038	15.835	17.658	18.212	19.698
50	6.900	5.646	6.771	6.930	6.295
55	3.491	3.291	3.017	4.680	2.741
60	2.070	1.696	1.642	2.398	1.531
65	1.371	1.063	1.426	1.649	1.110
70	1.317	0.998	1.173	1.194	1.020
75	0.781	0.981	1.189	1.246	0.981
80	0.968	1.018	0.584	1.048	1.076
85	1.018	0.910	0.718	1.156	0.761
90	0.868	0.378	0.836	0.386	1.138

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Zone	Lumens	%Lamp	%Fixt
0-20	1006.08	N.A.	71.50
0-30	1279.54	N.A.	90.90
0-40	1382.47	N.A.	98.30
0-60	1403.45	N.A.	99.80
0-80	1405.97	N.A.	99.90
0-90	1406.9	N.A.	100.00
10-90	927.59	N.A.	65.90
20-40	376.39	N.A.	26.80
20-50	393.94	N.A.	28.00
40-70	22.39	N.A.	1.60
60-80	2.52	N.A.	0.20
70-80	1.11	N.A.	0.10
80-90	0.93	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	1406.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	479.31
10-20	526.77
20-30	273.46
30-40	102.93
40-50	17.55
50-60	3.43
60-70	1.41
70-80	1.11
80-90	0.93
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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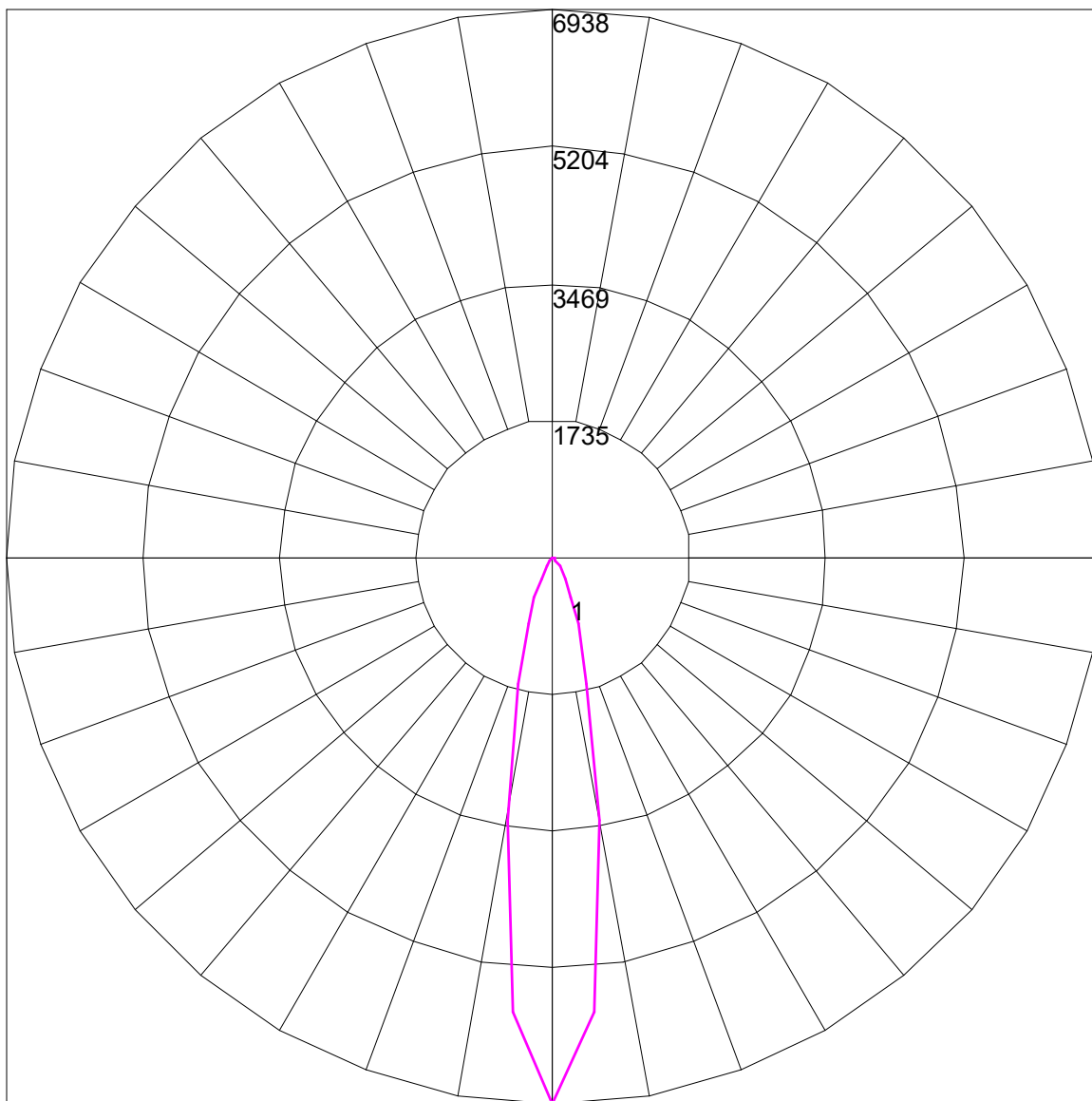
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	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	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	90	86	83	96	90	85	82	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	80	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	77	74	79	76	74	79	76	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	71	77	74	71	70

POLAR GRAPH



Maximum Candela = 6938.316 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)