

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_4 ~ C0412XT-10LXXK-MDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_4_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-10L-xxK-MD-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 26.6 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	698
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.50
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	517	678	786
55	752	1003	898
65	307	414	437
75	521	451	487
85	790	530	857

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2377.133	2377.133	2377.133	2377.133	2377.133
5	2200.964	2147.148	2187.985	2144.728	2181.064
10	1596.430	1588.319	1615.181	1592.727	1612.983
15	982.128	998.497	1009.721	1004.105	1007.726
20	582.356	594.364	596.628	593.625	592.417
25	367.403	375.039	368.833	371.289	362.830
30	203.532	194.945	201.974	191.211	197.163
35	45.490	45.175	51.522	43.352	48.911
40	2.752	5.420	3.413	5.369	4.418
45	1.876	1.917	2.458	2.508	2.852
50	2.202	2.258	2.815	2.812	2.651
55	2.213	2.311	2.950	2.996	2.641
60	1.354	1.470	1.813	1.361	1.814
65	0.666	0.862	0.897	0.684	0.947
70	0.821	0.736	0.734	0.877	0.761
75	0.692	0.624	0.599	0.790	0.646
80	0.339	0.334	0.408	0.341	0.330
85	0.353	0.286	0.237	0.197	0.383
90	0.292	0.279	0.235	0.323	0.328

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Zone	Lumens	%Lamp	%Fixt
0-20	474.91	N.A.	68.00
0-30	647.70	N.A.	92.70
0-40	692.17	N.A.	99.10
0-60	696.53	N.A.	99.70
0-80	698.16	N.A.	100.00
0-90	698.49	N.A.	100.00
10-90	509.36	N.A.	72.90
20-40	217.26	N.A.	31.10
20-50	219.50	N.A.	31.40
40-70	5.34	N.A.	0.80
60-80	1.63	N.A.	0.20
70-80	0.65	N.A.	0.10
80-90	0.32	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	698.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.12
10-20	285.79
20-30	172.79
30-40	44.47
40-50	2.24
50-60	2.12
60-70	0.98
70-80	0.65
80-90	0.32
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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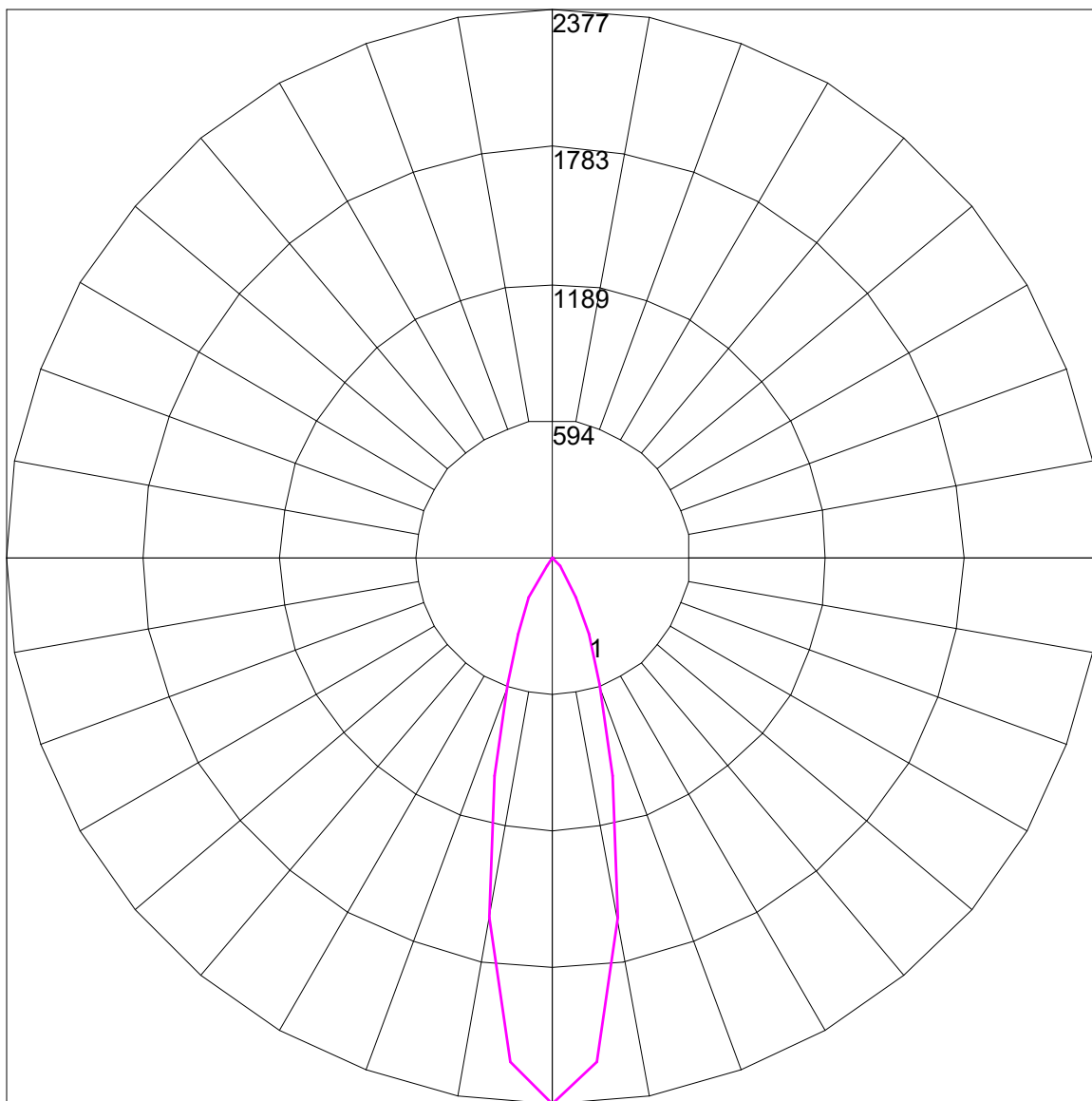
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	102	98	94	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	83	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	80	75	72	86	79	75	72	78	74	72	77	74	71	77	74	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

POLAR GRAPH



Maximum Candela = 2377.133 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)