

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-13LXXK-MDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_5_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. Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-13L-xxK-MD-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 26.8 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	901
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.48
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	1188	1156	1186
55	906	964	908
65	358	389	346
75	352	306	387
85	1298	635	528

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-13LXXK-MDEX-GLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3049.197	3049.197	3049.197	3049.197	3049.197
5	2745.943	2753.993	2719.964	2781.407	2768.261
10	2033.015	2056.988	1987.620	2079.622	2045.488
15	1281.095	1293.711	1242.461	1304.293	1286.222
20	762.121	765.555	740.747	775.029	771.533
25	473.236	469.245	465.148	480.559	485.814
30	252.670	264.605	246.797	276.032	265.017
35	76.434	78.315	71.752	82.612	81.853
40	10.289	7.193	8.994	7.695	10.190
45	4.308	3.937	4.193	4.654	4.300
50	3.595	3.713	3.921	3.759	3.866
55	2.666	2.967	2.837	2.947	2.670
60	1.366	1.158	1.487	1.413	1.342
65	0.776	0.564	0.843	0.432	0.750
70	0.635	0.529	0.529	0.299	0.510
75	0.467	0.482	0.406	0.399	0.514
80	0.534	0.432	0.596	0.500	0.369
85	0.580	0.637	0.284	0.238	0.236
90	0.354	0.214	0.711	0.255	0.342

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Zone	Lumens	%Lamp	%Fixt
0-20	606.29	N.A.	67.30
0-30	828.93	N.A.	92.00
0-40	893.36	N.A.	99.10
0-60	899.77	N.A.	99.80
0-80	901.04	N.A.	100.00
0-90	901.49	N.A.	100.00
10-90	660.63	N.A.	73.30
20-40	287.06	N.A.	31.80
20-50	291.06	N.A.	32.30
40-70	7.19	N.A.	0.80
60-80	1.27	N.A.	0.10
70-80	0.49	N.A.	0.10
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	901.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	240.86
10-20	365.43
20-30	222.64
30-40	64.43
40-50	4.00
50-60	2.42
60-70	0.77
70-80	0.49
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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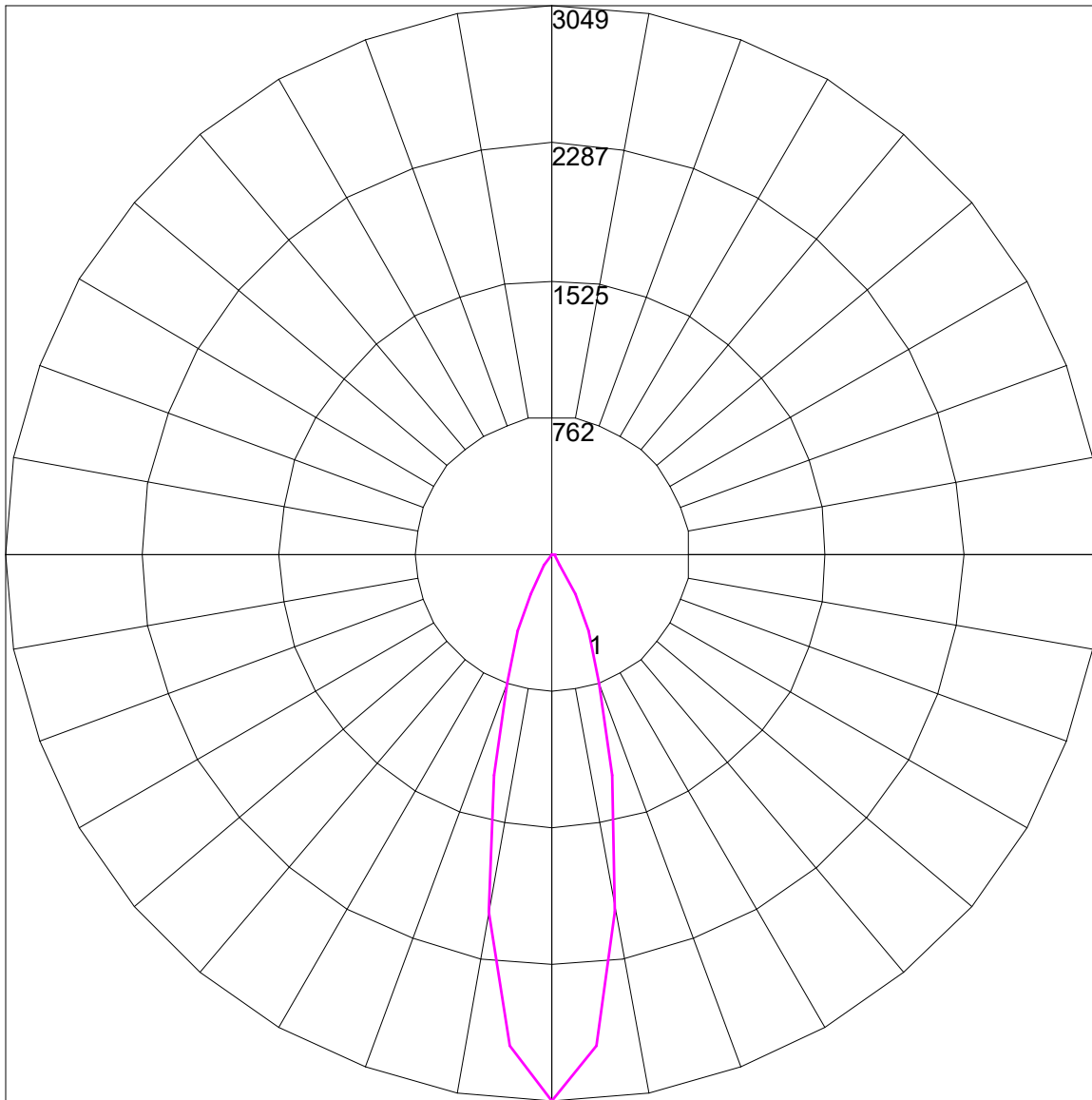
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	88	84	90	86	84	89	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	83	79	76	82	78	76	75
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

POLAR GRAPH



Maximum Candela = 3049.197 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)