

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-30LXXK-MDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_5_M-30L
 [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-30L-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	2080
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	32.6
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	2741	2668	2736
55	2091	2226	2094
65	827	897	798
75	813	705	893
85	2993	1465	1217

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-30LXXK-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	7036.608	7036.608	7036.608	7036.608	7036.608
5	6336.792	6355.368	6276.840	6418.632	6388.296
10	4691.572	4746.897	4586.817	4799.129	4720.357
15	2956.374	2985.487	2867.217	3009.907	2968.204
20	1758.742	1766.665	1709.416	1788.529	1780.460
25	1092.084	1082.874	1073.417	1108.982	1121.110
30	583.085	610.626	569.531	636.998	611.578
35	176.386	180.726	165.583	190.643	188.891
40	23.745	16.598	20.755	17.758	23.515
45	9.942	9.086	9.676	10.740	9.922
50	8.297	8.567	9.049	8.674	8.923
55	6.152	6.846	6.548	6.801	6.161
60	3.153	2.672	3.433	3.262	3.097
65	1.792	1.301	1.945	0.998	1.730
70	1.466	1.222	1.220	0.689	1.176
75	1.079	1.112	0.936	0.920	1.186
80	1.232	0.997	1.376	1.153	0.852
85	1.338	1.469	0.655	0.549	0.544
90	0.816	0.495	1.642	0.587	0.789

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-30LXXK-MDEX-GLXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1399.13	N.A.	67.30
0-30	1912.91	N.A.	92.00
0-40	2061.59	N.A.	99.10
0-60	2076.39	N.A.	99.80
0-80	2079.31	N.A.	99.90
0-90	2080.36	N.A.	100.00
10-90	1524.52	N.A.	73.30
20-40	662.45	N.A.	31.80
20-50	671.68	N.A.	32.30
40-70	16.59	N.A.	0.80
60-80	2.92	N.A.	0.10
70-80	1.14	N.A.	0.10
80-90	1.04	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	2080.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	555.83
10-20	843.30
20-30	513.78
30-40	148.68
40-50	9.23
50-60	5.57
60-70	1.79
70-80	1.14
80-90	1.04
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

IES INDOOR REPORT

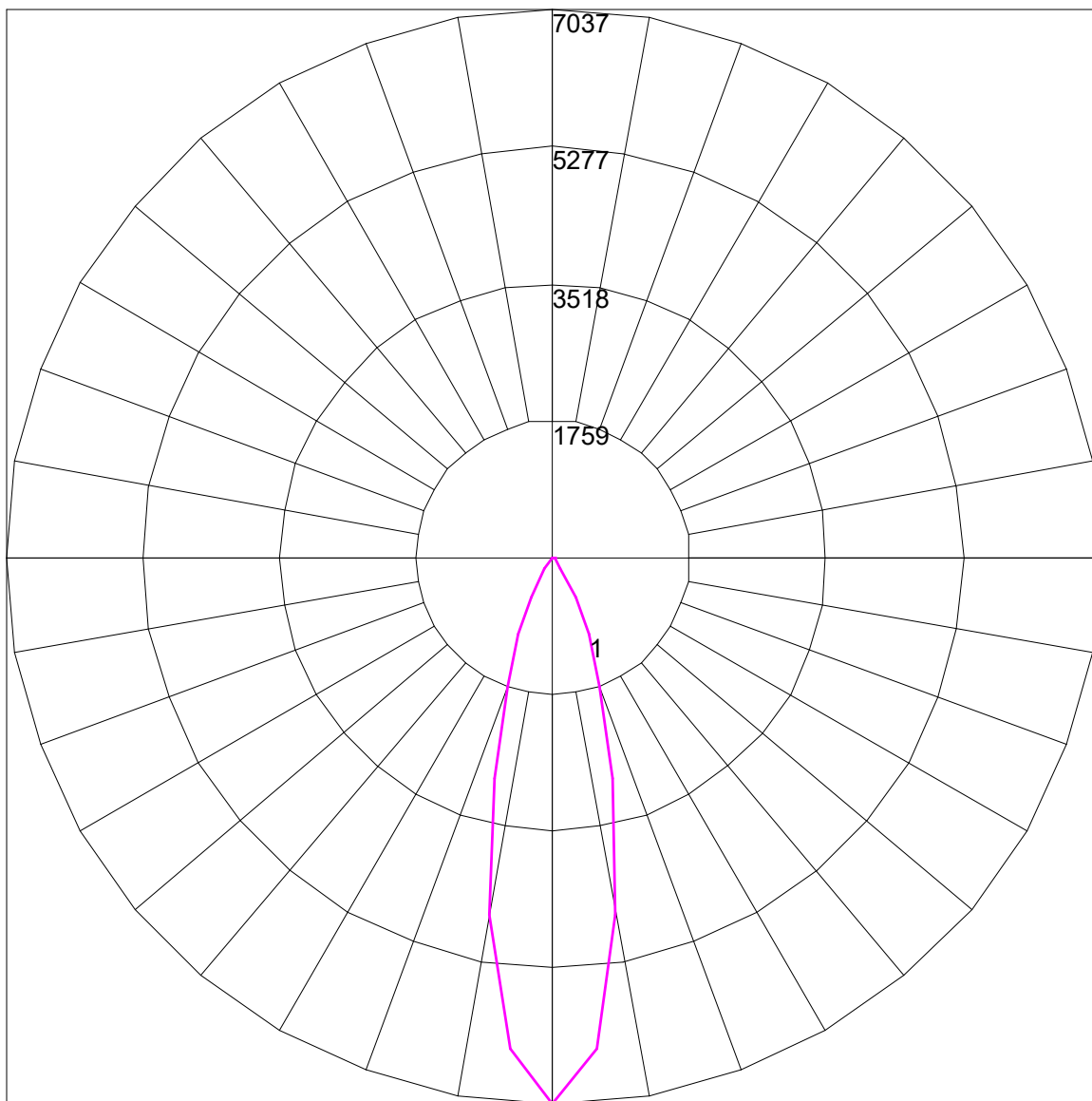
PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-30LXXK-MDEX-GLXXMW.IES

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	108	112	110	108	107	106	105	103	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	87	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	82	79	76	81	78	76	75
8	89	82	77	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 = 7036.608 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)