

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_6 ~ C0412XT-30LXXK-MDEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_6_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/1/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-30L-xxK-MD-EX-NL-xx-MW
 [OTHER] Matte White finish, No Lens
 [OTHER] 26.9 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	2136
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
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	343	294	371
55	479	305	407
65	383	442	559
75	603	453	435
85	1588	1579	846

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_6 ~ C0412XT-30LXXK-MDEX-NLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7334.142	7334.142	7334.142	7334.142	7334.142
5	6810.138	6718.986	6763.596	6656.208	6648.612
10	4989.176	4982.704	4979.539	4935.798	4954.116
15	3064.627	3119.772	3086.014	3100.004	3110.235
20	1808.024	1847.387	1809.787	1831.262	1824.316
25	1109.381	1123.588	1106.443	1114.666	1101.386
30	612.109	608.860	600.559	583.585	576.097
35	135.185	162.176	142.714	155.680	151.705
40	2.538	4.925	3.540	6.103	4.973
45	1.243	1.879	1.066	1.135	1.347
50	1.408	1.003	1.303	0.839	1.242
55	1.408	1.056	0.898	0.962	1.198
60	1.307	1.058	0.723	0.807	1.435
65	0.830	0.606	0.959	0.425	1.212
70	0.823	0.553	0.914	0.662	0.848
75	0.801	1.019	0.601	0.545	0.577
80	0.628	0.576	0.379	0.503	1.024
85	0.710	1.322	0.706	1.042	0.378
90	0.680	0.766	0.835	0.757	1.308

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_6 ~ C0412XT-30LXXK-MDEX-NLXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1470.27	N.A.	68.80
0-30	1994.79	N.A.	93.40
0-40	2130.87	N.A.	99.80
0-60	2133.4	N.A.	99.90
0-80	2134.93	N.A.	100.00
0-90	2135.81	N.A.	100.00
10-90	1549.84	N.A.	72.60
20-40	660.60	N.A.	30.90
20-50	662.19	N.A.	31.00
40-70	3.34	N.A.	0.20
60-80	1.53	N.A.	0.10
70-80	0.72	N.A.	0.00
80-90	0.88	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	2135.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	585.97
10-20	884.30
20-30	524.53
30-40	136.07
40-50	1.59
50-60	0.94
60-70	0.80
70-80	0.72
80-90	0.88
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

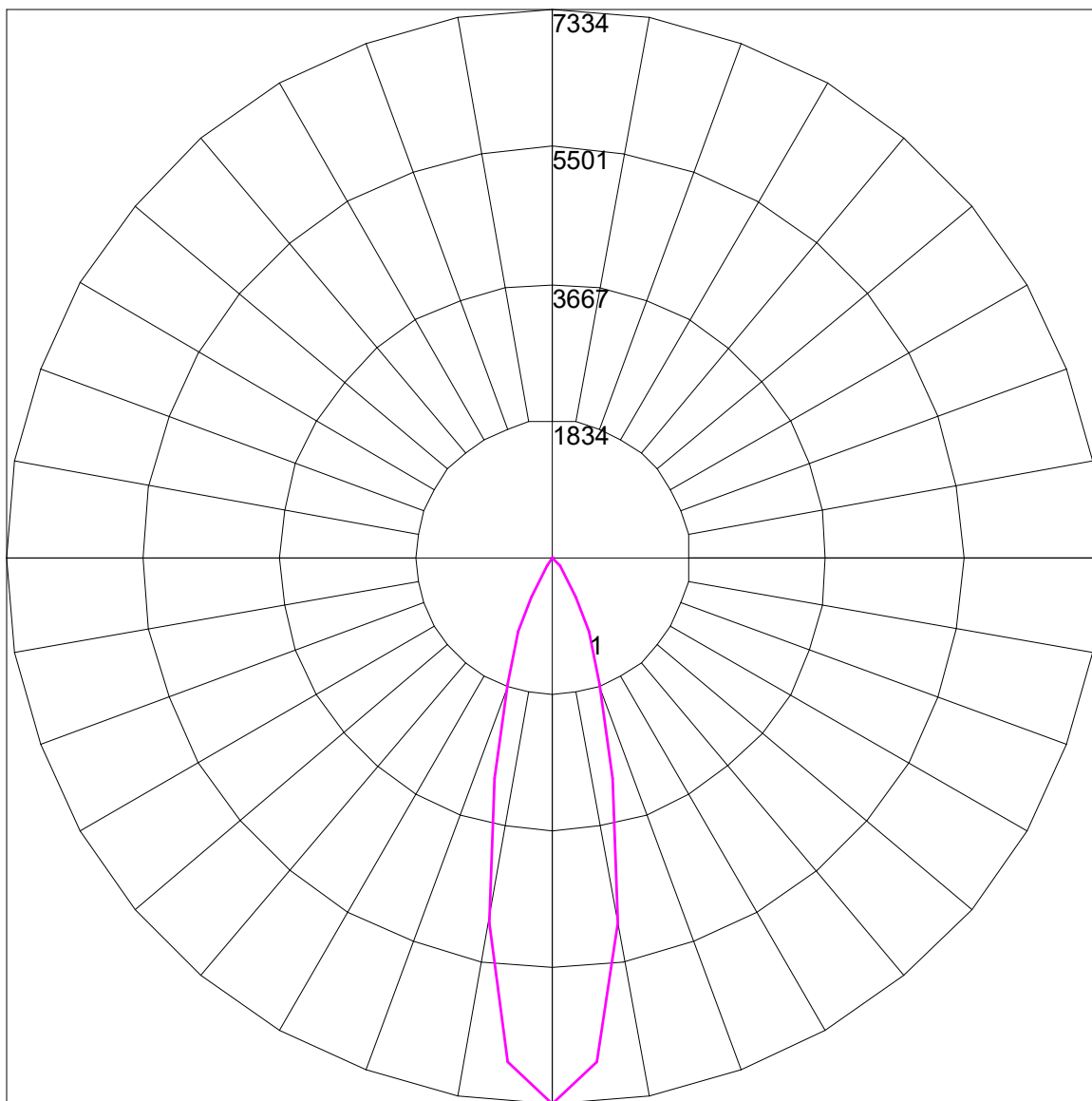
PHOTOMETRIC FILENAME : SP-00567_6 ~ C0412XT-30LXXK-MDEX-NLXXMW.IES

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

POLAR GRAPH



Maximum Candela = 7334.142 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)