

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_7 ~ C0412XT-30LXXK-MDEX-SOXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] SP-00567_7_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/17/2017
[UPDATE] 5/31/2017
[LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Medium Beam
[LUMCAT] C0412XT-30L-xxK-MD-EX-SO-xx-MW
[OTHER] Matte White finish, Solite Lens
[OTHER] 28.2 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	2016
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.52
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	9269	9651	8842
55	2423	2660	2641
65	1498	1499	1867
75	1222	1315	1000
85	2125	3382	1933

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_7 ~ C0412XT-30LXXK-MDEX-SOXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	6125.472	6125.472	6125.472	6125.472	6125.472
5	5603.162	5571.655	5645.618	5548.306	5622.861
10	4252.956	4251.710	4262.258	4232.223	4273.515
15	2801.379	2817.648	2801.283	2806.726	2816.140
20	1737.652	1756.175	1740.286	1749.581	1749.313
25	1062.746	1073.186	1070.472	1074.181	1072.988
30	581.691	586.872	589.885	584.156	585.499
35	245.888	242.992	247.210	237.485	250.616
40	85.448	84.752	87.705	87.221	90.661
45	33.617	31.506	35.000	31.452	32.068
50	14.269	14.426	15.556	15.130	13.171
55	7.128	7.451	7.824	8.748	7.769
60	4.624	3.883	4.841	6.254	5.111
65	3.247	2.789	3.250	2.935	4.046
70	2.206	2.011	1.984	2.329	2.602
75	1.622	1.346	1.745	1.501	1.327
80	1.092	1.600	1.229	1.380	1.496
85	0.950	0.953	1.512	1.262	0.864
90	1.068	0.975	1.319	0.866	0.813

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_7 ~ C0412XT-30LXXK-MDEX-SOXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1286.7	N.A.	63.80
0-30	1792.1	N.A.	88.90
0-40	1969.55	N.A.	97.70
0-60	2009.16	N.A.	99.70
0-80	2014.22	N.A.	99.90
0-90	2015.51	N.A.	100.00
10-90	1523.14	N.A.	75.60
20-40	682.86	N.A.	33.90
20-50	714.59	N.A.	35.50
40-70	42.93	N.A.	2.10
60-80	5.07	N.A.	0.30
70-80	1.74	N.A.	0.10
80-90	1.29	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	2015.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	492.37
10-20	794.33
20-30	505.41
30-40	177.45
40-50	31.73
50-60	7.87
60-70	3.32
70-80	1.74
80-90	1.29
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

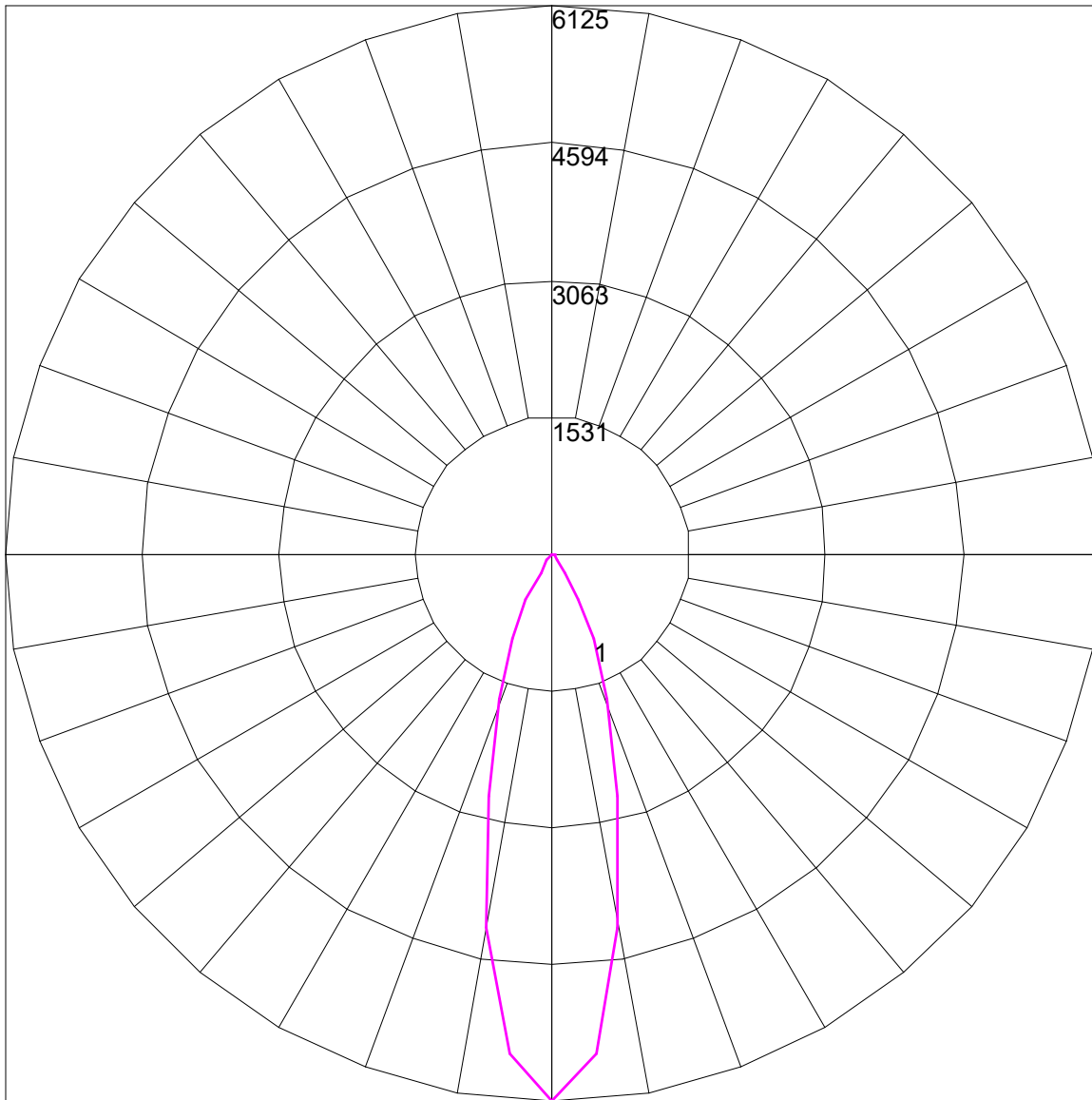
PHOTOMETRIC FILENAME : SP-00567_7 ~ C0412XT-30LXXK-MDEX-SOXXMW.IES

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	71	69	74	71	69	68
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

POLAR GRAPH



Maximum Candela = 6125.472 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)