

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_4 ~ C0412XT-30LXXK-MDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_4_M-30L
 [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-30L-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	2171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
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)	0.50
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	1608	2107	2445
55	2339	3118	2791
65	956	1287	1358
75	1620	1403	1512
85	2454	1651	2660

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_4 ~ C0412XT-30LXXK-MDEX-BBXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	7390.050	7390.050	7390.050	7390.050	7390.050
5	6842.376	6675.072	6802.026	6667.548	6780.510
10	4962.996	4937.779	5021.288	4951.484	5014.454
15	3053.248	3104.137	3139.029	3121.571	3132.826
20	1810.432	1847.765	1854.802	1845.467	1841.711
25	1142.187	1165.924	1146.630	1154.266	1127.970
30	632.742	606.046	627.897	594.440	612.941
35	141.418	140.440	160.171	134.774	152.054
40	8.557	16.849	10.611	16.691	13.735
45	5.831	5.959	7.640	7.798	8.866
50	6.847	7.021	8.753	8.741	8.242
55	6.880	7.184	9.172	9.315	8.210
60	4.208	4.570	5.635	4.230	5.639
65	2.072	2.681	2.790	2.128	2.944
70	2.551	2.288	2.282	2.728	2.366
75	2.150	1.939	1.862	2.455	2.007
80	1.055	1.038	1.270	1.061	1.027
85	1.097	0.890	0.738	0.613	1.189
90	0.907	0.869	0.731	1.003	1.021

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Zone	Lumens	%Lamp	%Fixt
0-20	1476.41	N.A.	68.00
0-30	2013.57	N.A.	92.70
0-40	2151.82	N.A.	99.10
0-60	2165.37	N.A.	99.70
0-80	2170.45	N.A.	100.00
0-90	2171.46	N.A.	100.00
10-90	1583.51	N.A.	72.90
20-40	675.42	N.A.	31.10
20-50	682.38	N.A.	31.40
40-70	16.60	N.A.	0.80
60-80	5.08	N.A.	0.20
70-80	2.03	N.A.	0.10
80-90	1.01	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	2171.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	587.95
10-20	888.46
20-30	537.16
30-40	138.26
40-50	6.96
50-60	6.59
60-70	3.05
70-80	2.03
80-90	1.01
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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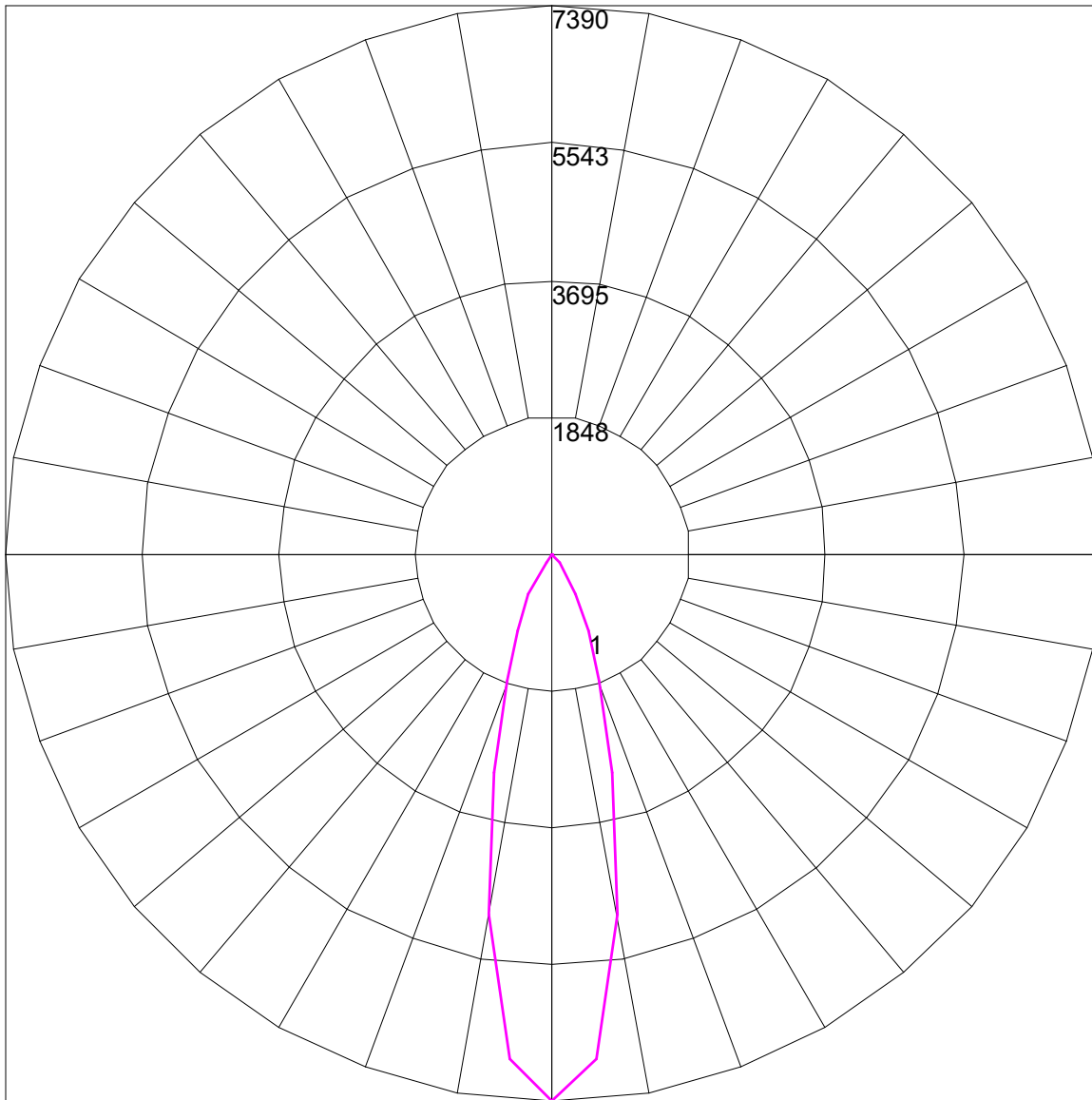
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	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	82	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	79	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 = 7390.05 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)