

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_11 ~ C0412XT-30LXXK-WDEX-SOXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] SP-00567_11_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, Wide Beam
[LUMCAT] C0412XT-30L-xxK-WD-EX-SO-xx-MW
[OTHER] Matte White finish, Solite Lens
[OTHER] 38 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	2017
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)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.64
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	11120	8823	11992
55	3067	3290	3739
65	1455	1549	1499
75	1305	832	1654
85	2333	2072	1949

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4320.553	4320.553	4320.553	4320.553	4320.553
5	4131.191	4153.875	4156.999	4168.605	4188.184
10	3614.616	3633.206	3636.275	3643.279	3666.829
15	2830.752	2836.359	2834.441	2835.852	2842.968
20	1988.142	1980.999	1985.239	1984.499	1997.462
25	1267.801	1264.217	1266.169	1283.300	1296.424
30	684.856	691.228	688.118	702.680	721.140
35	276.429	294.350	293.323	296.812	305.152
40	99.215	101.810	95.050	100.942	108.781
45	40.328	37.738	31.996	35.920	43.490
50	20.841	18.115	15.438	16.613	20.582
55	9.023	9.619	9.677	9.458	11.000
60	5.824	5.342	5.726	6.394	5.384
65	3.154	2.893	3.358	3.957	3.249
70	2.406	2.131	2.590	1.881	2.293
75	1.732	1.706	1.104	1.822	2.195
80	0.860	1.054	1.212	1.403	1.060
85	1.043	0.817	0.926	0.910	0.871
90	0.536	0.703	0.754	0.745	0.836

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Zone	Lumens	%Lamp	%Fixt
0-20	1161.77	N.A.	57.60
0-30	1753.00	N.A.	86.90
0-40	1964.58	N.A.	97.40
0-60	2010.58	N.A.	99.70
0-80	2015.97	N.A.	99.90
0-90	2016.98	N.A.	100.00
10-90	1636.63	N.A.	81.10
20-40	802.80	N.A.	39.80
20-50	839.27	N.A.	41.60
40-70	49.63	N.A.	2.50
60-80	5.40	N.A.	0.30
70-80	1.77	N.A.	0.10
80-90	1.00	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	2016.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	380.34
10-20	781.43
20-30	591.23
30-40	211.58
40-50	36.46
50-60	9.53
60-70	3.63
70-80	1.77
80-90	1.00
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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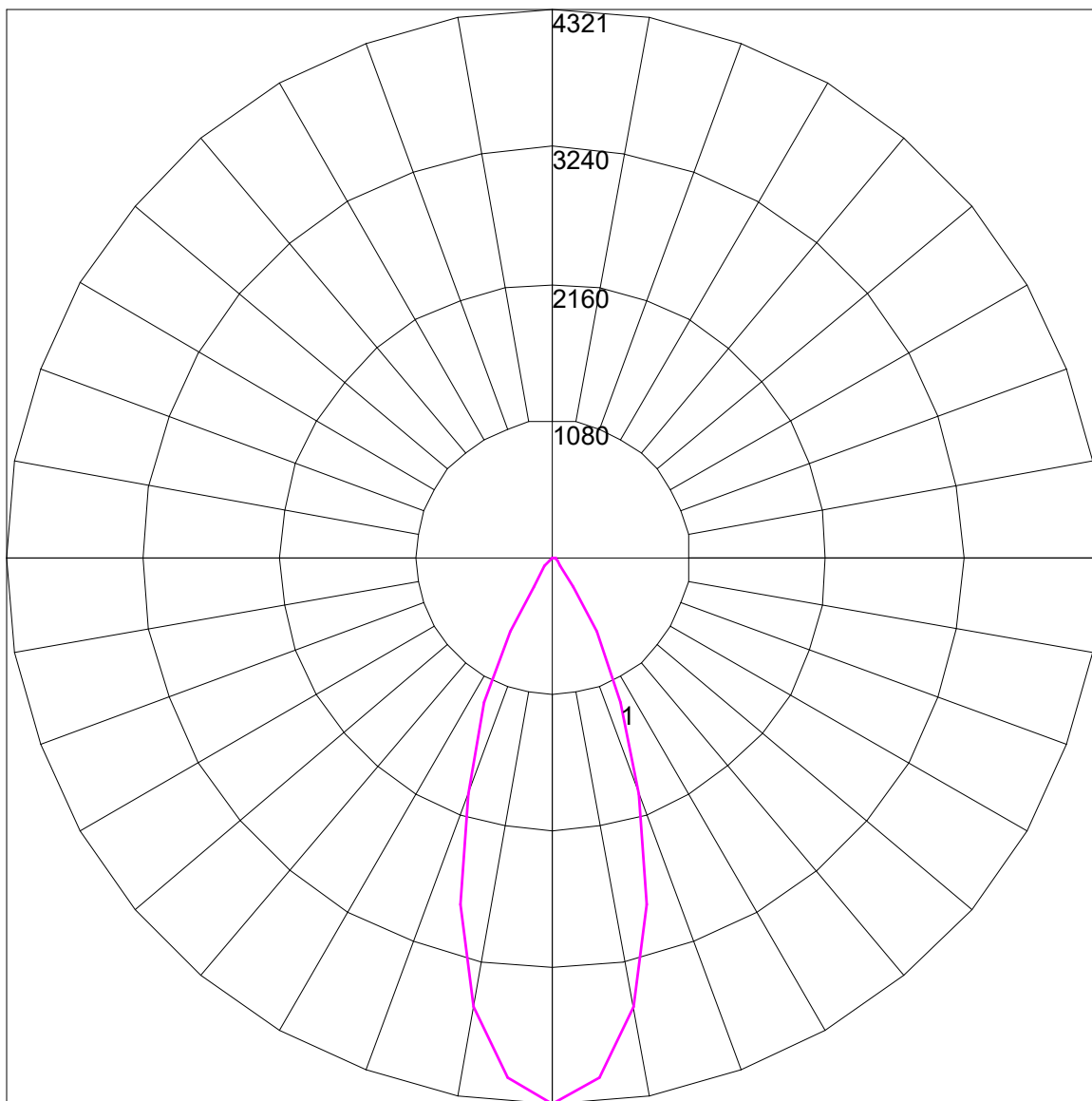
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96	98	95	94	95	93	92	90
3	105	100	95	92	103	98	94	91	96	92	90	93	91	88	91	89	87	86
4	101	94	90	86	99	93	89	85	91	87	84	89	86	84	87	85	83	81
5	97	90	85	81	95	89	84	81	87	83	80	85	82	79	84	81	79	77
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70
8	86	78	73	69	85	77	72	69	76	72	69	75	71	69	74	71	68	67
9	83	74	69	66	82	74	69	66	73	69	66	72	68	66	72	68	65	64
10	80	71	66	63	79	71	66	63	70	66	63	70	66	63	69	65	63	61

POLAR GRAPH



Maximum Candela = 4320.553 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)