

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

IESNA:LM-63-2002
 [TEST] SP-00567_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. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-30L-35K-ND-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 16.5 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	2268
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.32
Spacing Criterion (Diagonal)	0.34
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	753	1064	638
55	1402	1180	945
65	1361	408	573
75	1086	551	593
85	1107	2022	1828

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	13699.999	13699.999	13699.999	13699.999	13699.999
5	11090.400	10689.444	11126.724	10689.727	11101.729
10	5778.244	5740.065	5743.670	5802.577	5541.978
15	2567.527	2584.964	2556.971	2602.890	2404.215
20	1365.068	1359.137	1338.440	1361.114	1295.999
25	920.422	945.323	924.632	941.364	914.845
30	551.671	547.090	561.020	544.648	556.842
35	156.697	113.962	166.085	139.343	154.958
40	10.259	5.426	12.069	14.617	6.856
45	2.731	2.708	3.857	2.166	2.315
50	2.915	3.224	1.949	3.685	2.234
55	4.123	3.977	3.470	2.532	2.781
60	4.146	2.645	2.993	4.986	2.697
65	2.949	1.469	0.884	1.820	1.241
70	1.478	1.054	1.009	1.034	0.775
75	1.442	0.913	0.731	1.542	0.787
80	1.256	0.568	1.165	0.937	0.498
85	0.495	0.468	0.904	1.126	0.817
90	1.475	1.165	0.580	0.760	0.280

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567 ~ C0412XT-30LXXK-NDEX-BBXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1703.09	N.A.	75.10
0-30	2129.97	N.A.	93.90
0-40	2258.09	N.A.	99.50
0-60	2264.58	N.A.	99.80
0-80	2267.56	N.A.	100.00
0-90	2268.46	N.A.	100.00
10-90	1379.21	N.A.	60.80
20-40	555.00	N.A.	24.50
20-50	558.55	N.A.	24.60
40-70	8.39	N.A.	0.40
60-80	2.98	N.A.	0.10
70-80	1.08	N.A.	0.00
80-90	0.90	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	2268.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	889.25
10-20	813.84
20-30	426.88
30-40	128.11
40-50	3.55
50-60	2.94
60-70	1.90
70-80	1.08
80-90	0.90
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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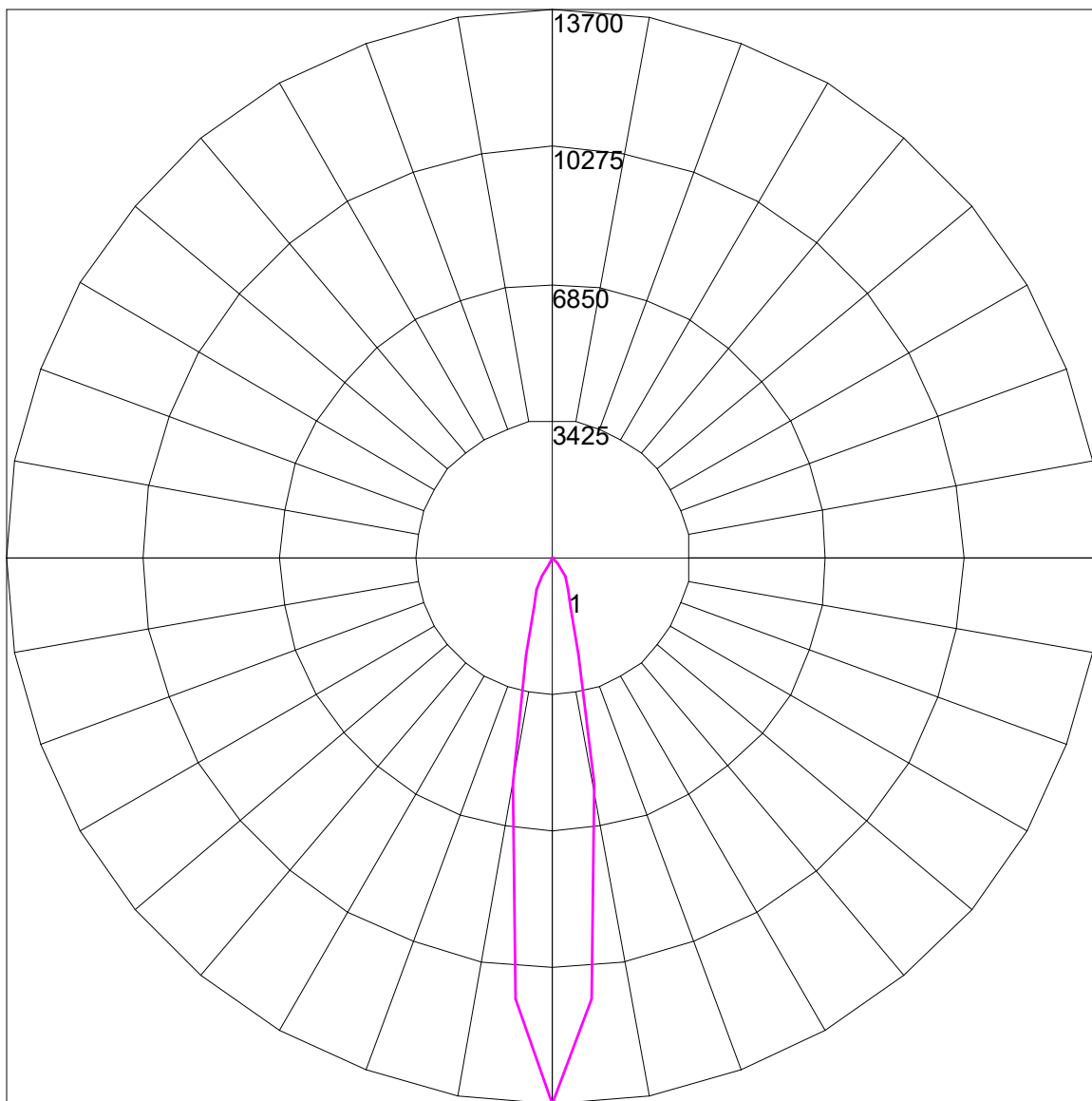
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	83	81	86	83	81	80
8	93	87	82	80	92	86	82	79	85	82	79	84	81	79	83	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	76	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

POLAR GRAPH



Maximum Candela = 13699.999 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)