

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_10 ~ C0412XT-30LXXK-WDEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_10_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/5/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Wide Beam
 [LUMCAT] C0412XT-30L-xxK-WD-EX-NL-xx-MW
 [OTHER] Matte White finish, No lens
 [OTHER] 36.7 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	2130
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
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)	0.62
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	352	607	326
55	448	525	394
65	358	351	661
75	667	417	417
85	2009	2611	2069

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_10 ~ C0412XT-30LXXK-WDEX-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	5003.272	5003.272	5003.272	5003.272	5003.272
5	4848.909	4803.753	4828.132	4795.476	4791.458
10	4259.602	4217.052	4250.004	4211.296	4218.512
15	3235.771	3226.820	3263.346	3214.681	3226.078
20	2140.142	2180.758	2166.981	2145.389	2138.796
25	1392.041	1417.589	1395.967	1399.760	1392.910
30	720.391	711.676	737.000	715.508	724.435
35	136.595	157.184	168.878	132.696	141.123
40	3.124	11.436	3.790	3.236	3.299
45	1.278	1.417	2.202	1.421	1.183
50	0.939	1.105	1.505	1.297	1.307
55	1.318	0.964	1.544	0.839	1.160
60	1.109	1.054	0.880	1.099	1.381
65	0.776	0.974	0.760	1.161	1.433
70	0.737	0.797	0.841	0.583	0.863
75	0.886	0.596	0.553	0.713	0.554
80	0.643	0.521	1.007	0.654	0.720
85	0.898	1.010	1.167	0.694	0.925
90	0.732	0.632	0.878	1.004	1.277

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Zone	Lumens	%Lamp	%Fixt
0-20	1327.87	N.A.	62.40
0-30	1969.89	N.A.	92.50
0-40	2123.99	N.A.	99.70
0-60	2126.89	N.A.	99.90
0-80	2128.56	N.A.	100.00
0-90	2129.52	N.A.	100.00
10-90	1688.75	N.A.	79.30
20-40	796.12	N.A.	37.40
20-50	797.98	N.A.	37.50
40-70	3.85	N.A.	0.20
60-80	1.68	N.A.	0.10
70-80	0.73	N.A.	0.00
80-90	0.95	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	2129.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	440.77
10-20	887.10
20-30	642.02
30-40	154.10
40-50	1.86
50-60	1.03
60-70	0.95
70-80	0.73
80-90	0.95
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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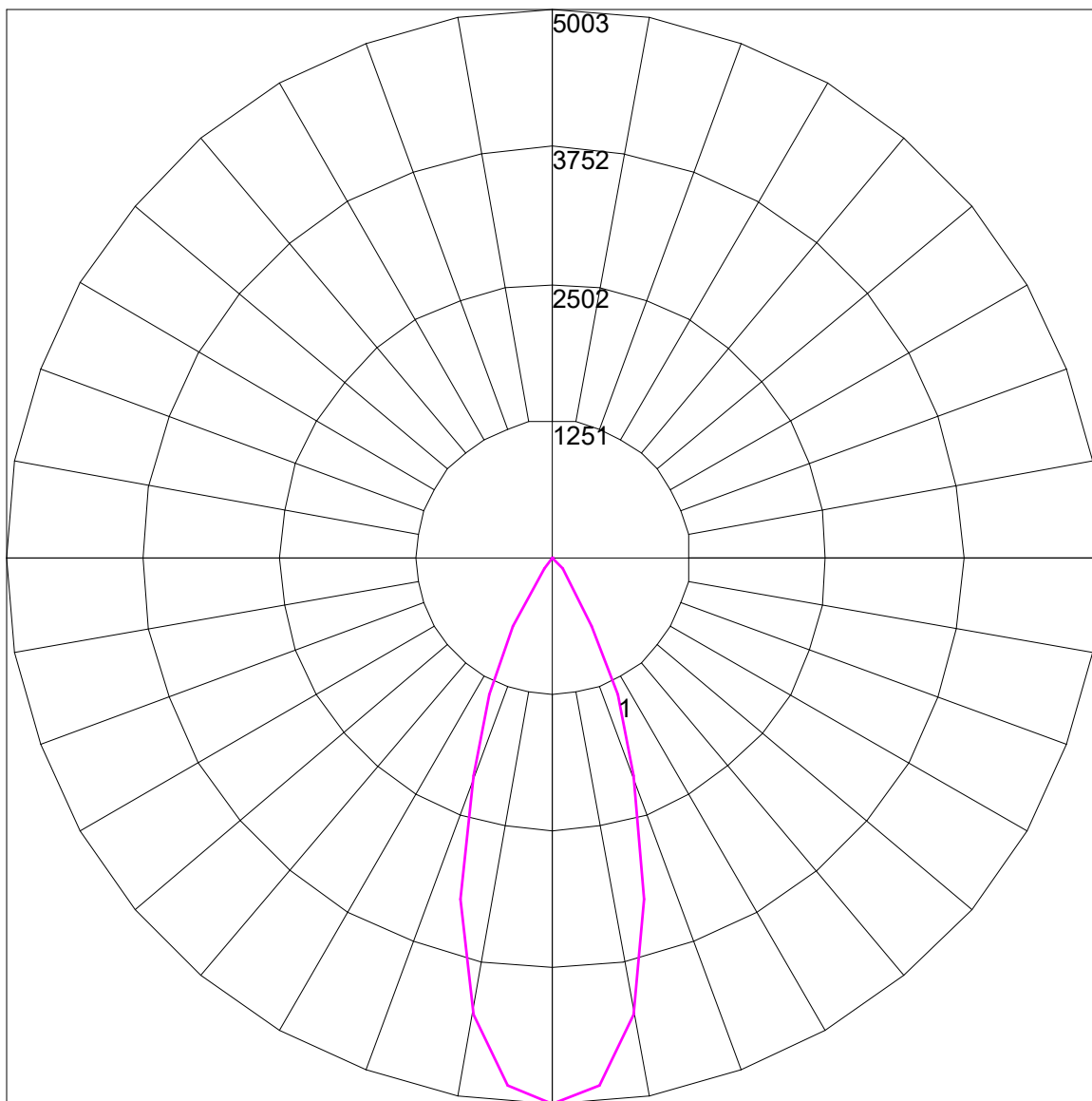
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 5003.272 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)