

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_10 ~ C0412XT-20LXXK-WDEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_10_M-20L
 [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-20L-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	1420
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	21.7
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	235	405	218
55	298	350	263
65	239	233	441
75	445	277	278
85	1338	1740	1380

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_10 ~ C0412XT-20LXXK-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	3335.514	3335.514	3335.514	3335.514	3335.514
5	3232.606	3202.502	3218.754	3196.984	3194.305
10	2839.734	2811.368	2833.336	2807.530	2812.341
15	2157.180	2151.213	2175.564	2143.120	2150.718
20	1426.762	1453.839	1444.654	1430.260	1425.864
25	928.028	945.059	930.644	933.174	928.607
30	480.261	474.450	491.333	477.005	482.956
35	91.063	104.790	112.586	88.464	94.082
40	2.083	7.624	2.526	2.158	2.199
45	0.852	0.944	1.468	0.947	0.789
50	0.626	0.736	1.004	0.864	0.872
55	0.878	0.643	1.030	0.559	0.774
60	0.739	0.703	0.587	0.732	0.921
65	0.518	0.650	0.506	0.774	0.955
70	0.491	0.532	0.561	0.388	0.576
75	0.591	0.397	0.368	0.476	0.369
80	0.428	0.347	0.672	0.436	0.480
85	0.598	0.674	0.778	0.463	0.617
90	0.488	0.421	0.585	0.669	0.851

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Zone	Lumens	%Lamp	%Fixt
0-20	885.25	N.A.	62.40
0-30	1313.26	N.A.	92.50
0-40	1415.99	N.A.	99.70
0-60	1417.92	N.A.	99.90
0-80	1419.04	N.A.	100.00
0-90	1419.68	N.A.	100.00
10-90	1125.83	N.A.	79.30
20-40	530.74	N.A.	37.40
20-50	531.99	N.A.	37.50
40-70	2.56	N.A.	0.20
60-80	1.12	N.A.	0.10
70-80	0.49	N.A.	0.00
80-90	0.63	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	1419.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	293.85
10-20	591.40
20-30	428.01
30-40	102.73
40-50	1.24
50-60	0.69
60-70	0.63
70-80	0.49
80-90	0.63
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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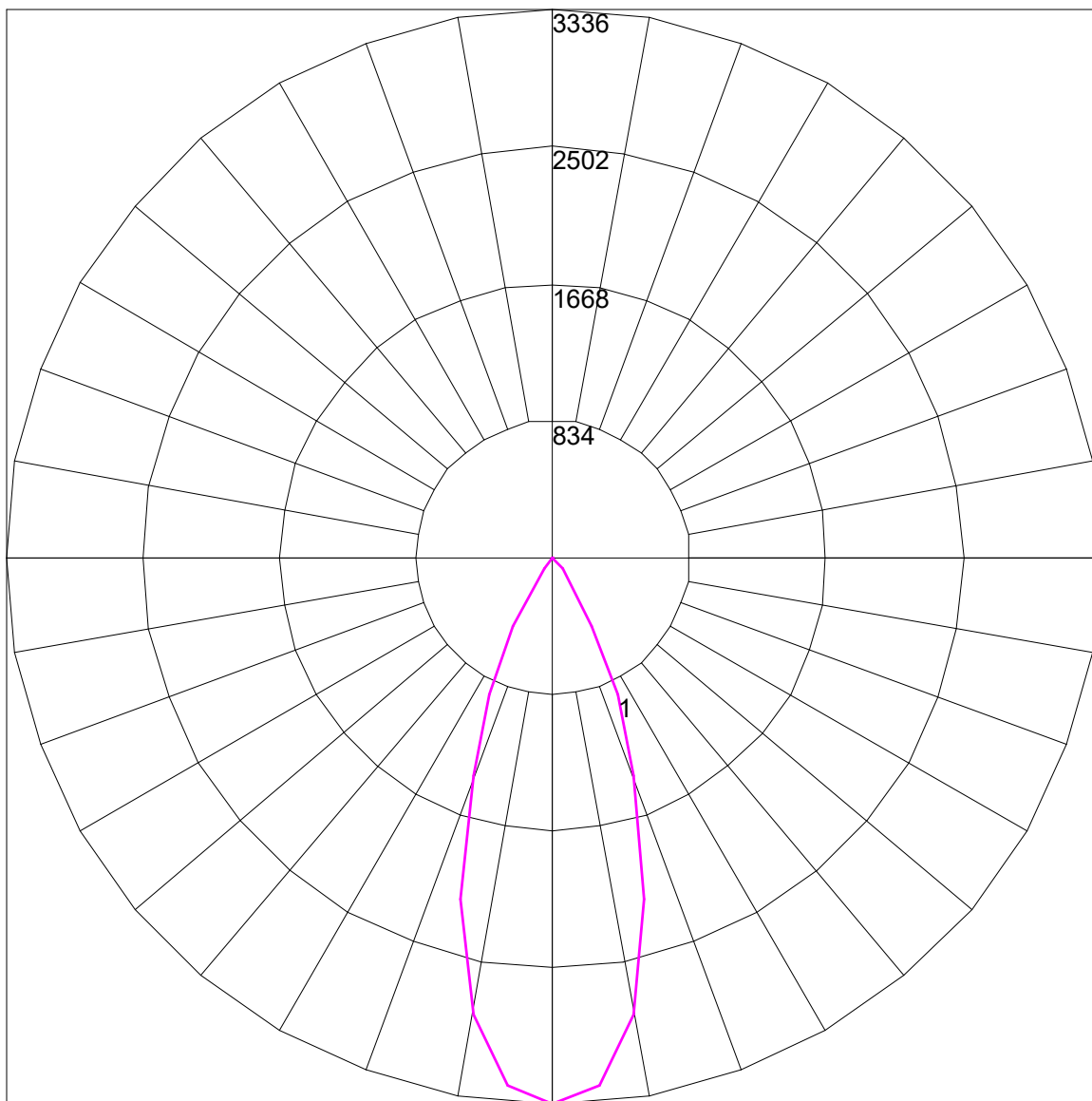
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3335.514 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)