

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_14 ~ C0412XT-20LXXK-XWEX-NLXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] SP-00567_14_M-20L
[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, Xtra Wide Beam
[LUMCAT] C0412XT-20L-xxK-XW-EX-NL-xx-MW
[OTHER] Matte White finish, No lens
[OTHER] 53 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	1413
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)	0.86
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.80
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	4752	5350	6307
55	301	421	301
65	252	285	330
75	434	554	482
85	1492	1047	1374

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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	1984.090	1984.090	1984.090	1984.090	1984.090
5	1935.948	1952.482	1954.107	1962.347	1957.957
10	1832.910	1854.346	1853.271	1879.370	1865.806
15	1695.517	1715.518	1711.394	1741.467	1735.268
20	1481.534	1507.685	1495.694	1540.798	1531.531
25	1137.399	1171.844	1158.336	1215.250	1210.728
30	657.176	702.920	683.669	761.762	759.312
35	226.361	256.278	258.318	287.720	295.978
40	66.538	74.828	75.242	84.717	84.464
45	17.233	20.279	19.402	23.875	22.874
50	2.909	3.276	3.566	3.973	3.986
55	0.886	0.819	1.239	1.149	0.886
60	0.779	0.715	0.878	0.689	0.848
65	0.546	0.636	0.617	0.491	0.716
70	0.650	0.661	0.407	0.503	0.859
75	0.576	0.773	0.736	0.446	0.640
80	0.707	0.738	0.959	0.674	0.739
85	0.667	0.605	0.468	0.816	0.614
90	0.906	0.281	0.600	0.306	0.540

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Zone	Lumens	%Lamp	%Fixt
0-20	662.34	N.A.	46.90
0-30	1184.43	N.A.	83.80
0-40	1386.05	N.A.	98.10
0-60	1410.64	N.A.	99.90
0-80	1411.97	N.A.	100.00
0-90	1412.65	N.A.	100.00
10-90	1229.17	N.A.	87.00
20-40	723.70	N.A.	51.20
20-50	746.88	N.A.	52.90
40-70	25.22	N.A.	1.80
60-80	1.33	N.A.	0.10
70-80	0.70	N.A.	0.00
80-90	0.69	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	1412.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	183.48
10-20	478.86
20-30	522.09
30-40	201.62
40-50	23.18
50-60	1.41
60-70	0.63
70-80	0.70
80-90	0.69
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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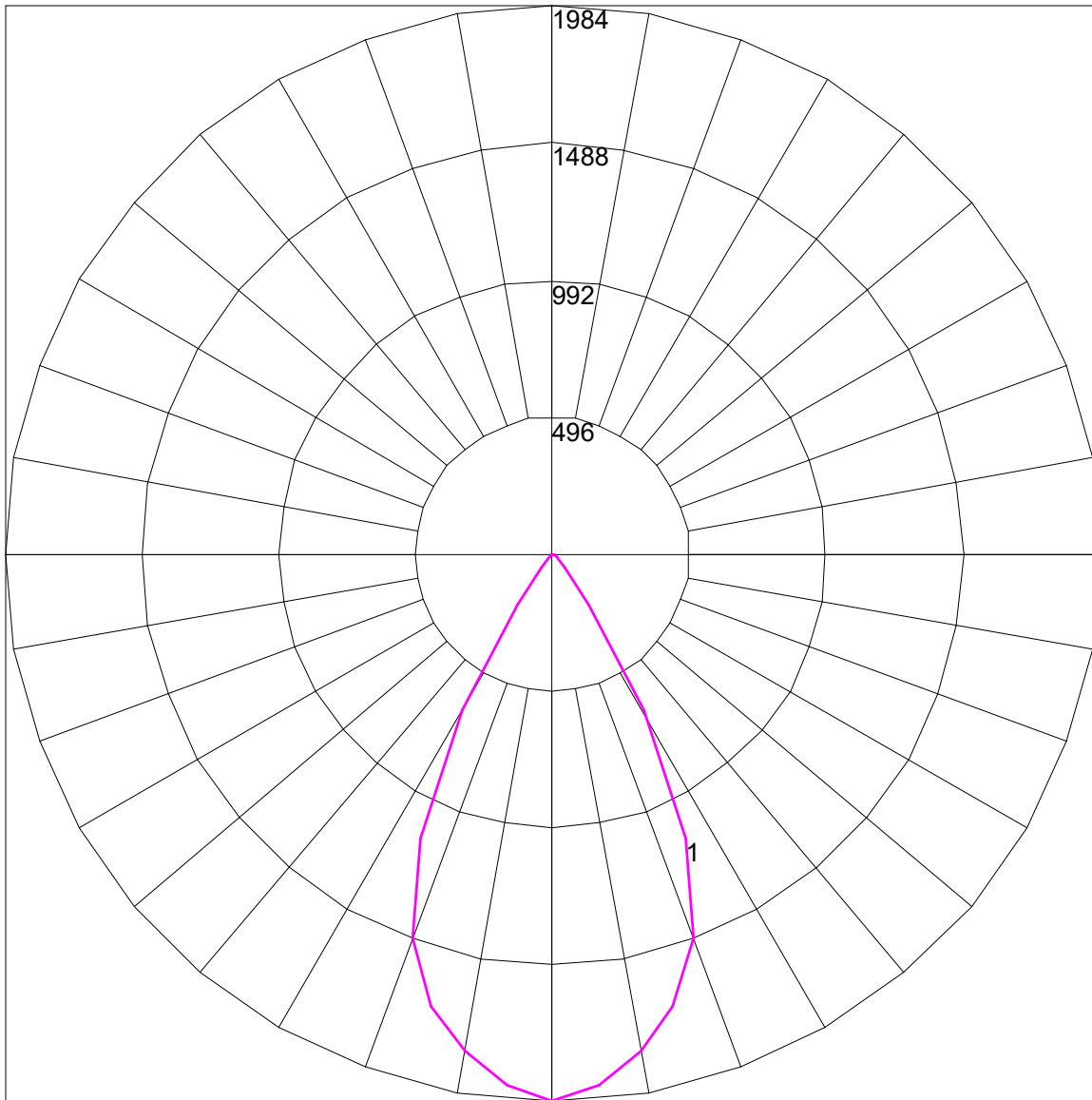
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	95	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	88	84	98	92	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	79	77	82	78	76	75
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10	76	67	62	59	75	67	62	58	66	62	58	65	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 1984.09 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)