

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_11 ~ C0412XT-10LXXK-WDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_11_M-10L
 [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-10L-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	649
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	9.1
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	3577	2838	3857
55	986	1058	1203
65	468	498	482
75	420	267	532
85	749	667	626

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_11 ~ C0412XT-10LXXK-WDEX-SOXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1389.778	1389.778	1389.778	1389.778	1389.778
5	1328.866	1336.163	1337.168	1340.901	1347.199
10	1162.702	1168.681	1169.668	1171.921	1179.497
15	910.559	912.362	911.745	912.199	914.488
20	639.519	637.221	638.585	638.347	642.517
25	407.809	406.657	407.284	412.795	417.016
30	220.295	222.345	221.345	226.029	231.967
35	88.918	94.683	94.352	95.475	98.157
40	31.914	32.749	30.574	32.470	34.991
45	12.972	12.139	10.292	11.554	13.989
50	6.704	5.827	4.966	5.344	6.620
55	2.902	3.094	3.113	3.042	3.538
60	1.873	1.718	1.842	2.057	1.732
65	1.015	0.930	1.080	1.273	1.045
70	0.774	0.686	0.833	0.605	0.737
75	0.557	0.549	0.355	0.586	0.706
80	0.277	0.339	0.390	0.451	0.341
85	0.335	0.263	0.298	0.293	0.280
90	0.172	0.226	0.243	0.240	0.269

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Zone	Lumens	%Lamp	%Fixt
0-20	373.70	N.A.	57.60
0-30	563.88	N.A.	86.90
0-40	631.94	N.A.	97.40
0-60	646.73	N.A.	99.70
0-80	648.47	N.A.	99.90
0-90	648.79	N.A.	100.00
10-90	526.45	N.A.	81.10
20-40	258.24	N.A.	39.80
20-50	269.96	N.A.	41.60
40-70	15.96	N.A.	2.50
60-80	1.74	N.A.	0.30
70-80	0.57	N.A.	0.10
80-90	0.32	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	648.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	122.34
10-20	251.36
20-30	190.18
30-40	68.06
40-50	11.73
50-60	3.07
60-70	1.17
70-80	0.57
80-90	0.32
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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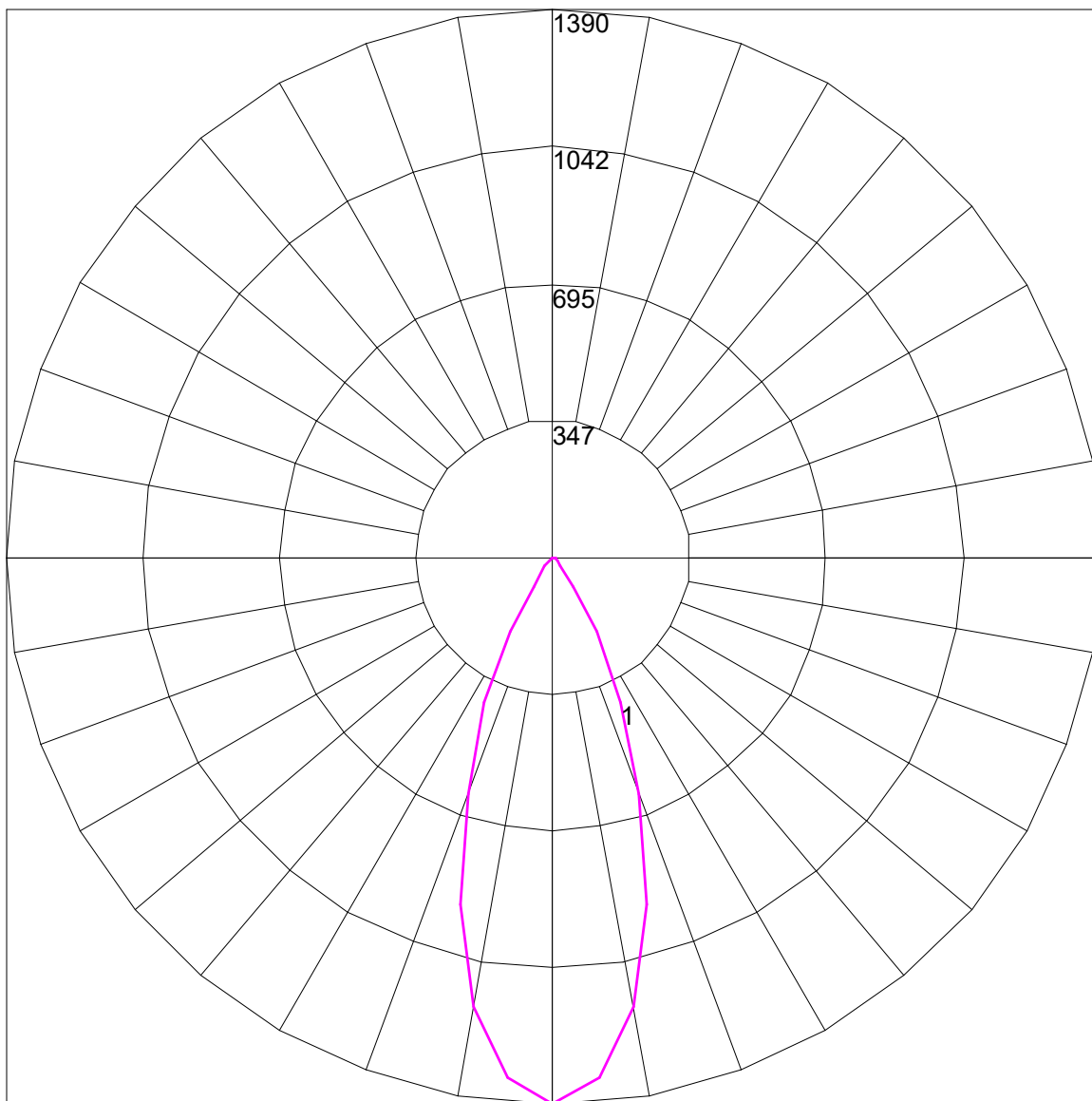
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72	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 = 1389.778 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)