

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_15 ~ C0412XT-10LXXK-XWEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_15_M-10L
 [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-10L-xxK-WD-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite Lens
 [OTHER] 55.1 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	666
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.82
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	7065	6839	8158
55	1844	1565	2004
65	807	896	811
75	655	682	447
85	1112	843	843

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_15 ~ C0412XT-10LXXK-XWEX-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	878.984	878.984	878.984	878.984	878.984
5	860.375	867.501	868.558	870.543	868.555
10	818.638	827.743	825.386	832.647	831.015
15	751.879	759.649	759.602	768.594	771.190
20	645.110	658.654	656.087	671.225	675.720
25	485.618	505.071	501.406	524.989	527.855
30	299.483	318.339	315.983	340.610	339.166
35	146.126	159.920	159.644	176.118	170.655
40	61.642	66.393	65.338	74.727	72.894
45	25.621	26.273	24.801	29.377	29.586
50	11.188	10.937	10.263	11.848	12.207
55	5.426	5.132	4.603	5.144	5.896
60	3.103	2.737	2.522	2.644	2.960
65	1.749	1.644	1.943	1.701	1.757
70	0.856	1.151	1.110	1.300	1.097
75	0.869	0.709	0.905	0.824	0.593
80	0.460	0.511	0.468	0.606	0.501
85	0.497	0.484	0.377	0.339	0.377
90	0.464	0.259	0.446	0.292	0.459

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Zone	Lumens	%Lamp	%Fixt
0-20	293.20	N.A.	44.00
0-30	521.47	N.A.	78.30
0-40	631.89	N.A.	94.90
0-60	662.65	N.A.	99.50
0-80	665.33	N.A.	99.90
0-90	665.79	N.A.	100.00
10-90	584.26	N.A.	87.80
20-40	338.69	N.A.	50.90
20-50	364.08	N.A.	54.70
40-70	32.58	N.A.	4.90
60-80	2.68	N.A.	0.40
70-80	0.85	N.A.	0.10
80-90	0.46	N.A.	0.10
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	665.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.53
10-20	211.67
20-30	228.26
30-40	110.43
40-50	25.39
50-60	5.37
60-70	1.83
70-80	0.85
80-90	0.46
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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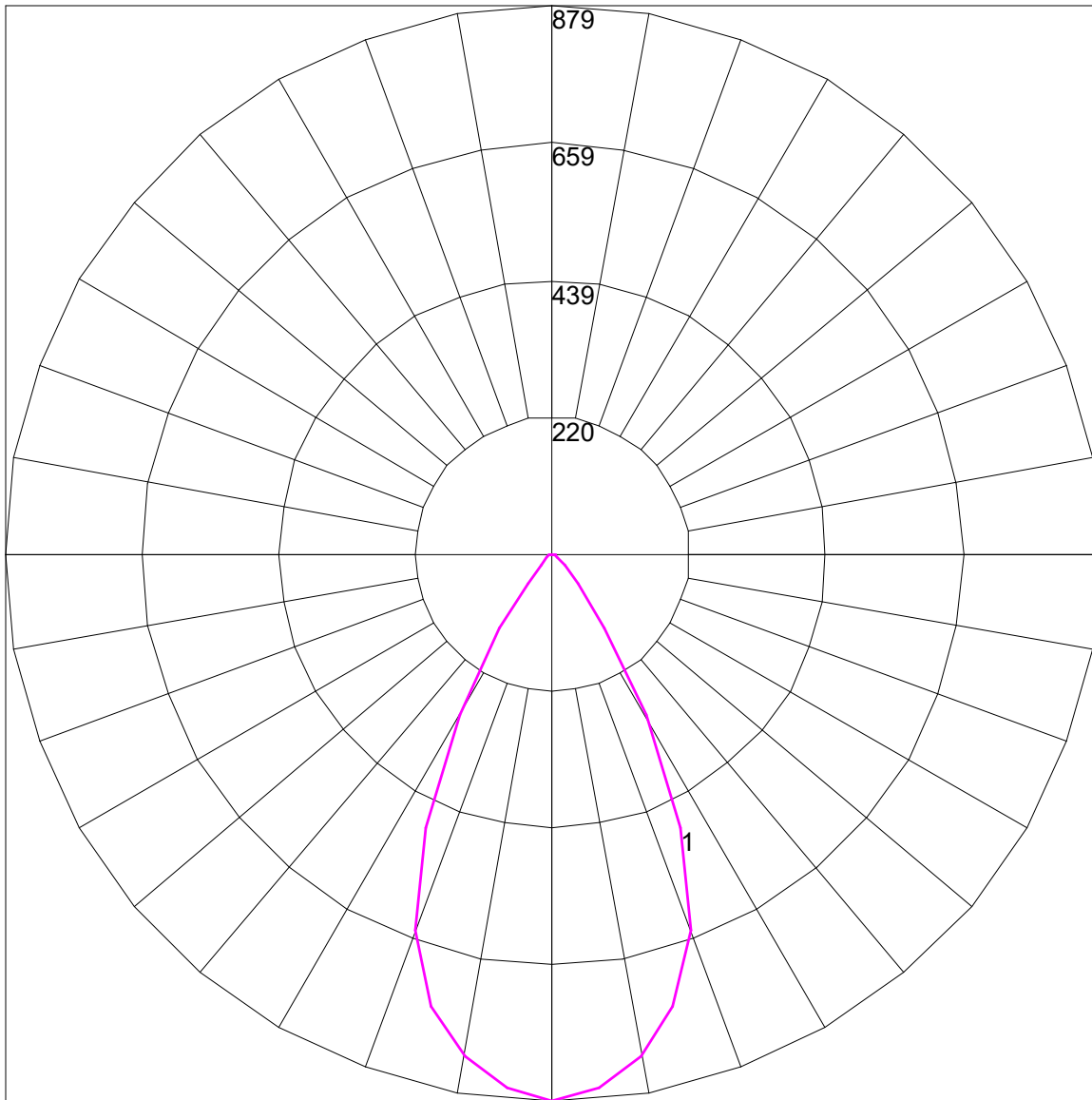
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

POLAR GRAPH



Maximum Candela = 878.984 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)