

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

IESNA:LM-63-2002
 [TEST] SP-00567_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom. 4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-10L-xxK-ND-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 16.5 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	730
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.32
Spacing Criterion (Diagonal)	0.34
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	242	342	205
55	451	379	304
65	438	131	184
75	350	177	191
85	356	651	588

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4406.833	4406.833	4406.833	4406.833	4406.833
5	3567.412	3438.438	3579.096	3438.529	3571.056
10	1858.668	1846.387	1847.547	1866.496	1782.670
15	825.888	831.497	822.492	837.263	773.356
20	439.097	437.189	430.532	437.825	416.880
25	296.069	304.079	297.423	302.805	294.275
30	177.454	175.981	180.461	175.195	179.118
35	50.404	36.658	53.424	44.822	49.845
40	3.300	1.745	3.882	4.702	2.205
45	0.879	0.871	1.241	0.697	0.745
50	0.938	1.037	0.627	1.185	0.719
55	1.326	1.279	1.116	0.814	0.895
60	1.334	0.851	0.963	1.604	0.868
65	0.949	0.473	0.284	0.586	0.399
70	0.475	0.339	0.325	0.333	0.249
75	0.464	0.294	0.235	0.496	0.253
80	0.404	0.183	0.375	0.301	0.160
85	0.159	0.151	0.291	0.362	0.263
90	0.475	0.375	0.187	0.244	0.090

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Zone	Lumens	%Lamp	%Fixt
0-20	547.83	N.A.	75.10
0-30	685.14	N.A.	93.90
0-40	726.35	N.A.	99.50
0-60	728.44	N.A.	99.80
0-80	729.40	N.A.	100.00
0-90	729.69	N.A.	100.00
10-90	443.64	N.A.	60.80
20-40	178.52	N.A.	24.50
20-50	179.67	N.A.	24.60
40-70	2.70	N.A.	0.40
60-80	0.96	N.A.	0.10
70-80	0.35	N.A.	0.00
80-90	0.29	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	729.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	286.04
10-20	261.78
20-30	137.31
30-40	41.21
40-50	1.14
50-60	0.95
60-70	0.61
70-80	0.35
80-90	0.29
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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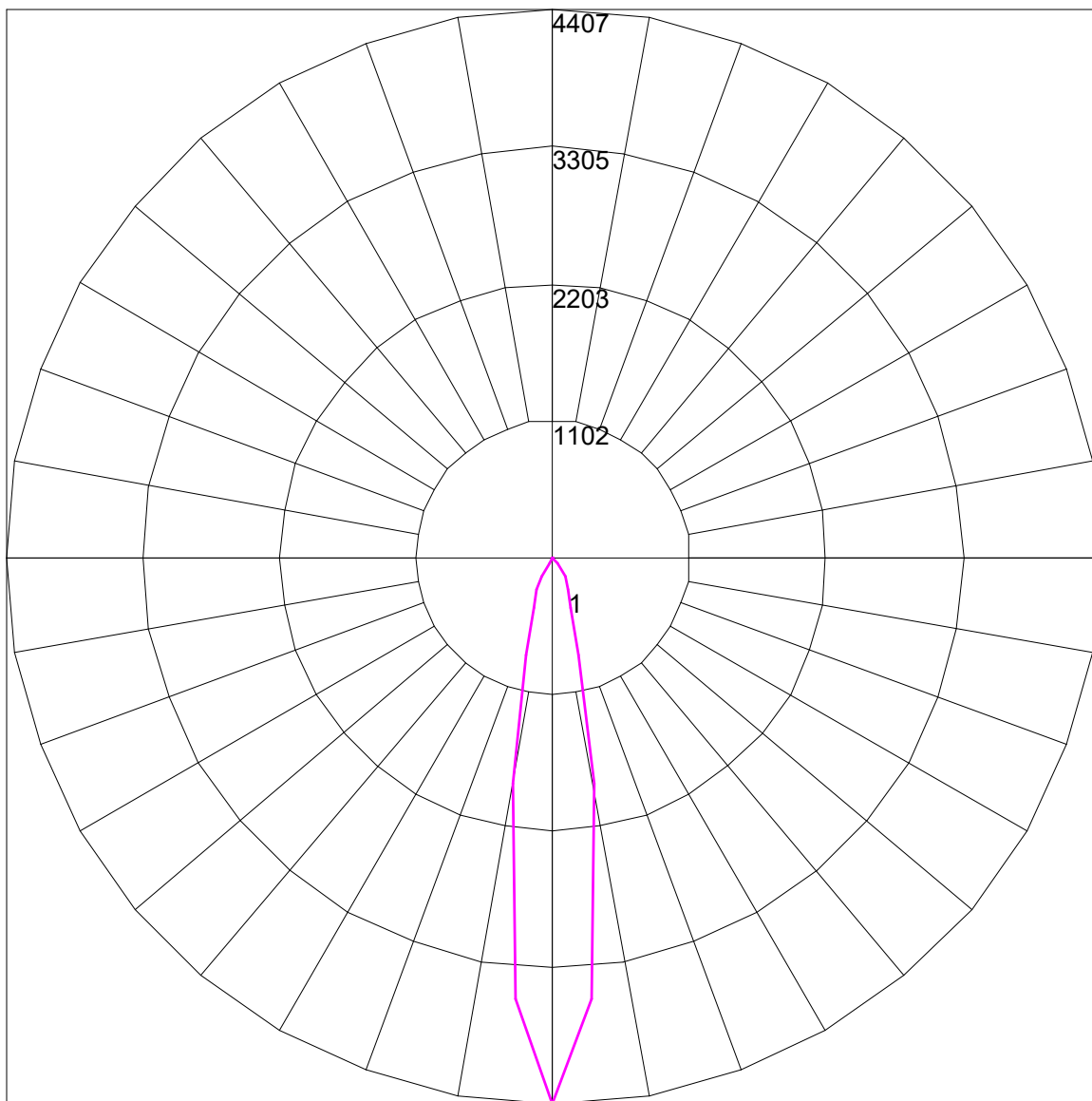
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	97	106	102	98	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	92	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	86	83	81	86	83	81	80
8	93	86	82	80	92	86	82	79	85	82	79	84	81	79	83	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

POLAR GRAPH



Maximum Candela = 4406.833 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)