

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_1 ~ C0412XT-10LXXK-NDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_1_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 5/31/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-10L-xxK-ND-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear glass lens
 [OTHER] 17.5 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	744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.30
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	451	347	508
55	202	150	122
65	141	173	200
75	173	182	115
85	470	736	642

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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	4604.863	4604.863	4604.863	4604.863	4604.863
5	3636.113	3666.585	3632.617	3644.705	3604.316
10	1866.698	1887.941	1878.015	1882.615	1840.413
15	804.069	823.694	827.274	827.478	806.337
20	412.682	428.984	434.430	432.646	421.738
25	292.544	295.035	301.432	302.419	299.606
30	185.919	186.722	188.371	189.327	190.116
35	51.690	50.183	51.345	51.314	56.694
40	3.495	3.187	3.464	4.070	5.472
45	1.636	1.607	1.257	2.019	1.844
50	0.665	0.729	0.736	0.670	0.541
55	0.593	0.432	0.442	0.850	0.358
60	0.526	0.598	0.395	0.655	0.452
65	0.306	0.490	0.376	0.423	0.433
70	0.357	0.227	0.260	0.357	0.508
75	0.229	0.308	0.242	0.216	0.152
80	0.297	0.188	0.232	0.285	0.291
85	0.210	0.159	0.329	0.295	0.287
90	0.207	0.239	0.342	0.252	0.423

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Zone	Lumens	%Lamp	%Fixt
0-20	558.83	N.A.	75.10
0-30	696.69	N.A.	93.60
0-40	741.29	N.A.	99.60
0-60	743.29	N.A.	99.90
0-80	743.98	N.A.	100.00
0-90	744.27	N.A.	100.00
10-90	448.35	N.A.	60.20
20-40	182.46	N.A.	24.50
20-50	183.94	N.A.	24.70
40-70	2.42	N.A.	0.30
60-80	0.69	N.A.	0.10
70-80	0.28	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	744.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	295.92
10-20	262.91
20-30	137.87
30-40	44.59
40-50	1.48
50-60	0.52
60-70	0.42
70-80	0.28
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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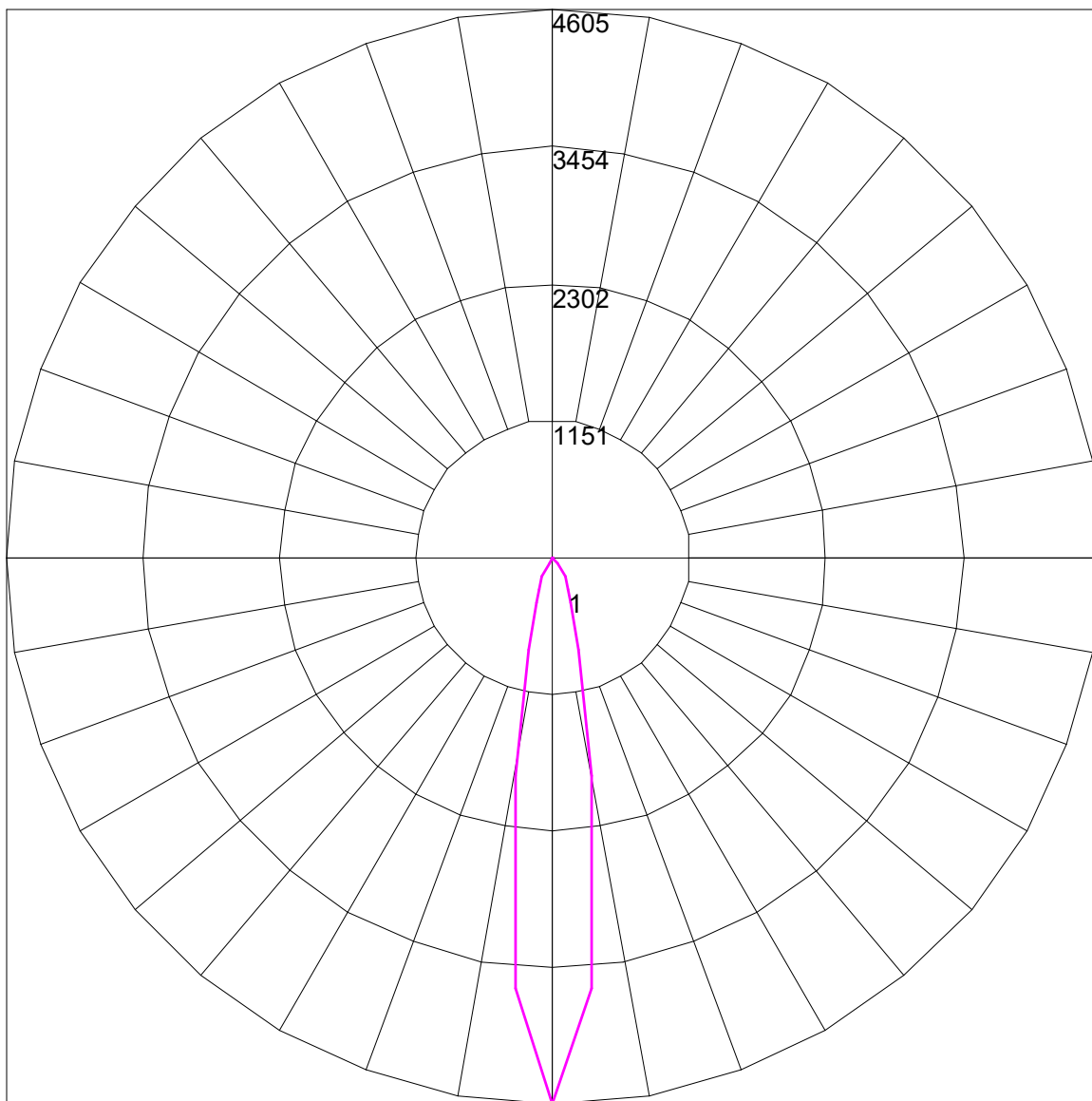
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	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	100	97	106	102	99	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	93	90	89	87
5	101	96	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	82	79	77	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 4604.863 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)