SPECTRUM LIGHTING INC.
www.speclight.com

PHOTOMETRY

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_10 ~ C0412XT-13LXXK-WDEX-NLXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] SP-00567_10_M-13L
[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-13L-xxK-WD-EX-NL-xx-MW
[OTHER] Matte White finish, No lens
[OTHER] 36.7 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.62
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	153	263	141
55	194	227	171
65	155	152	287
75	289	180	181
85	870	1132	897

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	2168.084	2168.084	2168.084	2168.084	2168.084
5	2101.194	2081.626	2092.190	2078.040	2076.298
10	1845.827	1827.389	1841.668	1824.895	1828.022
15	1402.167	1398.289	1414.117	1393.028	1397.967
20	927.395	944.995	939.025	929.669	926.812
25	603.218	614.288	604.919	606.563	603.594
30	312.170	308.393	319.367	310.053	313.922
35	59.191	68.113	73.181	57.502	61.153
40	1.354	4.956	1.642	1.402	1.429
45	0.554	0.614	0.954	0.616	0.513
50	0.407	0.479	0.652	0.562	0.567
55	0.571	0.418	0.669	0.363	0.503
60	0.480	0.457	0.381	0.476	0.599
65	0.336	0.422	0.329	0.503	0.621
70	0.319	0.346	0.365	0.252	0.374
75	0.384	0.258	0.239	0.309	0.240
80	0.278	0.226	0.437	0.283	0.312
85	0.389	0.438	0.506	0.301	0.401
90	0.317	0.274	0.380	0.435	0.553

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	575.41	N.A.	62.40
0-30	853.62	N.A.	92.50
0-40	920.39	N.A.	99.70
0-60	921.65	N.A.	99.90
0-80	922.38	N.A.	100.00
0-90	922.79	N.A.	100.00
10-90	731.79	N.A.	79.30
20-40	344.98	N.A.	37.40
20-50	345.79	N.A.	37.50
40-70	1.67	N.A.	0.20
60-80	0.73	N.A.	0.10
70-80	0.32	N.A.	0.00
80-90	0.41	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	922.79	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.00
10-20	384.41
20-30	278.21
30-40	66.78
40-50	0.81
50-60	0.45
60-70	0.41
70-80	0.32
80-90	0.41
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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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	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	74	71	70
9	85	77	72	69	84	76	72	69	76	72	69	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

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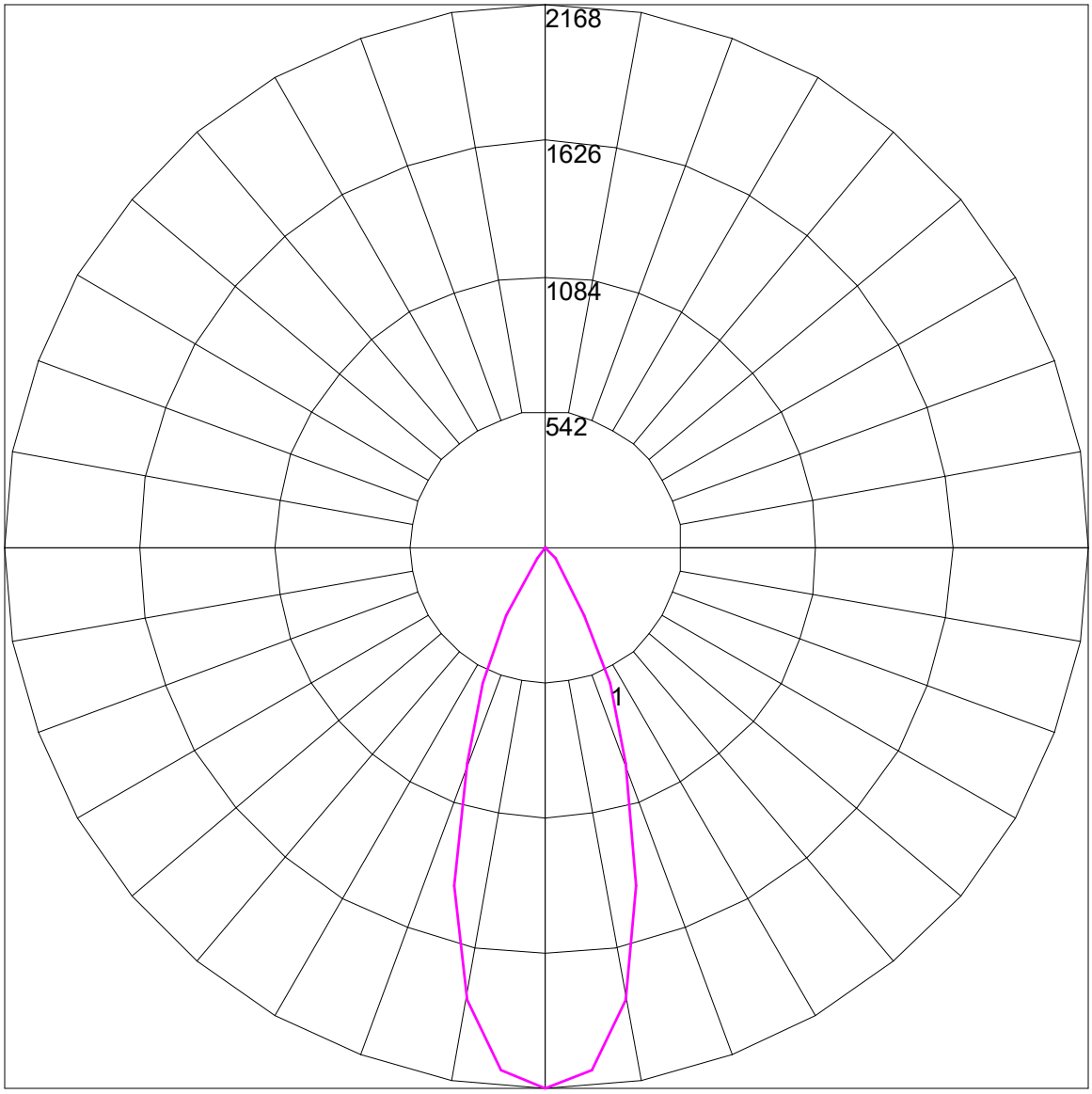
POLAR GRAPH



Maximum Candela = 2168.084 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)