

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00561_4 ~ C0612XT-13LXXK-MDEX-BB-NL-MW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00561_4_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 4/27/2017
 [UPDATE] 3/29/2018
 [LUMINAIRE] Nom.6" Diam x 12"H. LED Cylinder XT Series, Medium Beam
 [LUMCAT] C0612XT-13L-xxK-MD-EX-BB-NL-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 22.3 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	1055
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.52 ft (Diameter)
Luminous Width (90-270)	0.52 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_4 ~ C0612XT-13LXXK-MDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	81	39	80
55	42	79	39
65	24	40	71
75	72	32	46
85	248	223	329

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_4 ~ C0612XT-13LXXK-MDEX-BB-NL-MW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4442.256	4442.256	4442.256	4442.256	4442.256
5	3961.794	3960.156	3966.838	3955.247	3968.512
10	2532.818	2525.633	2515.531	2500.696	2502.357
15	1200.046	1199.552	1188.452	1175.118	1172.491
20	584.061	580.084	573.264	567.137	562.394
25	407.247	403.257	402.440	400.119	400.227
30	371.707	368.658	368.149	367.541	367.480
35	282.234	276.391	287.572	278.733	289.167
40	58.969	39.245	41.691	30.311	26.074
45	1.126	1.302	0.550	0.538	1.120
50	0.508	0.729	0.458	0.542	0.622
55	0.480	0.540	0.890	0.451	0.439
60	0.381	0.327	0.525	0.276	0.444
65	0.197	0.312	0.338	0.306	0.593
70	0.278	0.381	0.220	0.327	0.428
75	0.367	0.198	0.162	0.263	0.237
80	0.423	0.270	0.391	0.513	0.321
85	0.426	0.542	0.383	0.448	0.566
90	0.019	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	696.89	N.A.	66.00
0-30	896.79	N.A.	85.00
0-40	1046.07	N.A.	99.10
0-60	1054.12	N.A.	99.90
0-80	1054.77	N.A.	100.00
0-90	1055.13	N.A.	100.00
10-90	722.97	N.A.	68.50
20-40	349.18	N.A.	33.10
20-50	356.76	N.A.	33.80
40-70	8.39	N.A.	0.80
60-80	0.65	N.A.	0.10
70-80	0.31	N.A.	0.00
80-90	0.36	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	1055.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	332.16
10-20	364.73
20-30	199.90
30-40	149.28
40-50	7.57
50-60	0.48
60-70	0.34
70-80	0.31
80-90	0.36
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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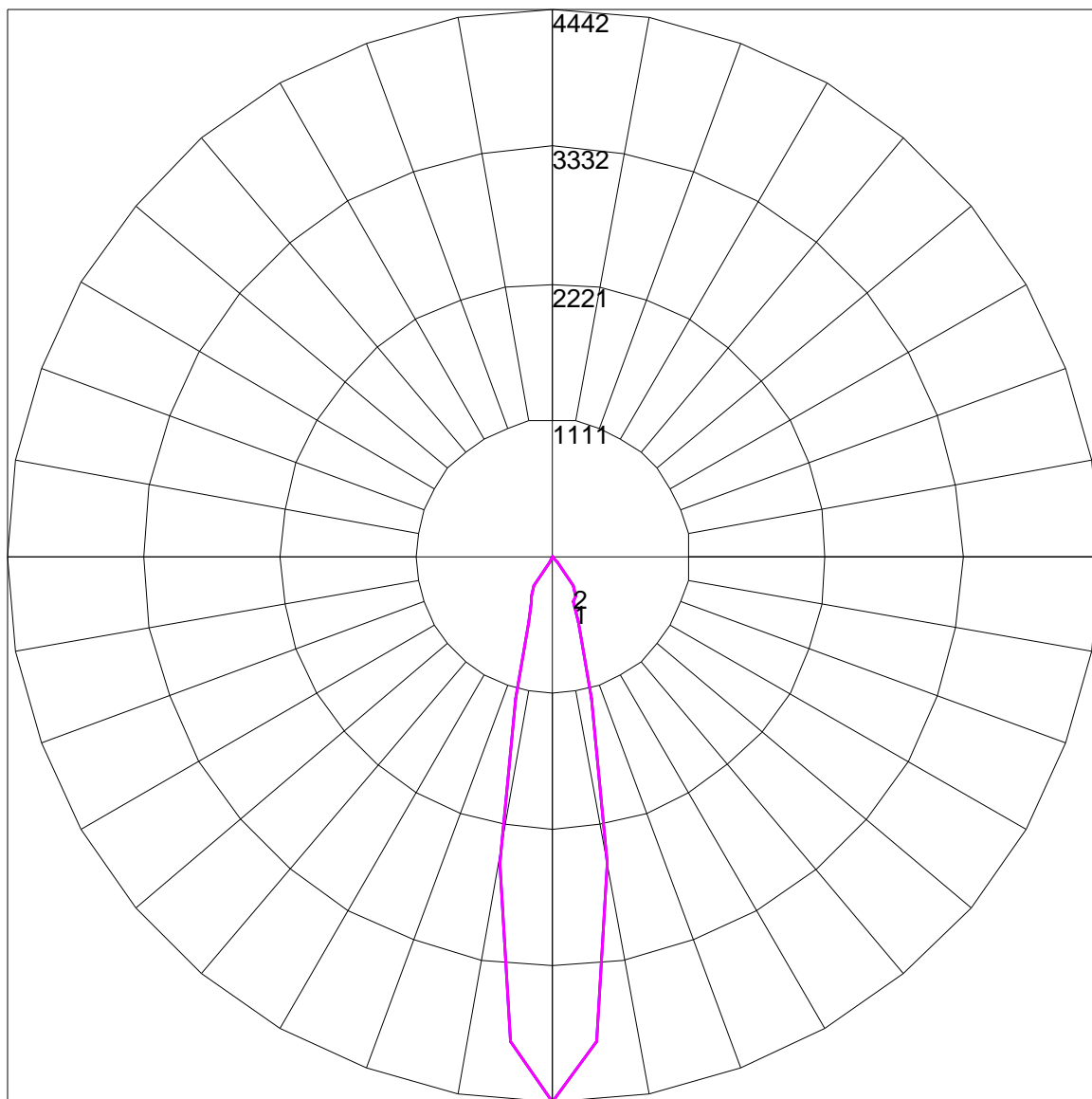
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	85	84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78
7	92	85	80	77	91	85	80	77	83	80	77	82	79	76	81	78	76	75
8	89	82	77	74	88	81	77	74	81	77	74	80	76	73	79	76	73	72
9	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

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POLAR GRAPH



Maximum Candela = 4442.256 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)