

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_4 ~ C0612XT-40LXXK-MDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_4_M-40L
[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-40L-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	3125
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	37.9
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	239	117	238
55	126	233	115
65	70	120	211
75	213	94	137
85	733	660	974

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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	13155.912	13155.912	13155.912	13155.912	13155.912
5	11733.006	11728.155	11747.944	11713.617	11752.902
10	7501.037	7479.761	7449.842	7405.908	7410.826
15	3553.982	3552.520	3519.645	3480.157	3472.377
20	1729.718	1717.940	1697.742	1679.599	1665.552
25	1206.077	1194.262	1191.842	1184.968	1185.289
30	1100.825	1091.795	1090.288	1088.488	1088.305
35	835.848	818.544	851.655	825.478	856.379
40	174.638	116.225	123.469	89.767	77.218
45	3.333	3.855	1.629	1.592	3.318
50	1.505	2.158	1.357	1.606	1.842
55	1.422	1.600	2.637	1.337	1.300
60	1.129	0.969	1.555	0.819	1.314
65	0.582	0.924	1.000	0.906	1.757
70	0.825	1.129	0.652	0.967	1.267
75	1.088	0.586	0.481	0.780	0.702
80	1.252	0.799	1.157	1.521	0.949
85	1.262	1.604	1.136	1.326	1.676
90	0.057	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	2063.86	N.A.	66.00
0-30	2655.87	N.A.	85.00
0-40	3097.97	N.A.	99.10
0-60	3121.81	N.A.	99.90
0-80	3123.74	N.A.	100.00
0-90	3124.81	N.A.	100.00
10-90	2141.1	N.A.	68.50
20-40	1034.12	N.A.	33.10
20-50	1056.55	N.A.	33.80
40-70	24.85	N.A.	0.80
60-80	1.93	N.A.	0.10
70-80	0.92	N.A.	0.00
80-90	1.07	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	3124.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	983.71
10-20	1080.15
20-30	592.01
30-40	442.11
40-50	22.43
50-60	1.41
60-70	1.01
70-80	0.92
80-90	1.07
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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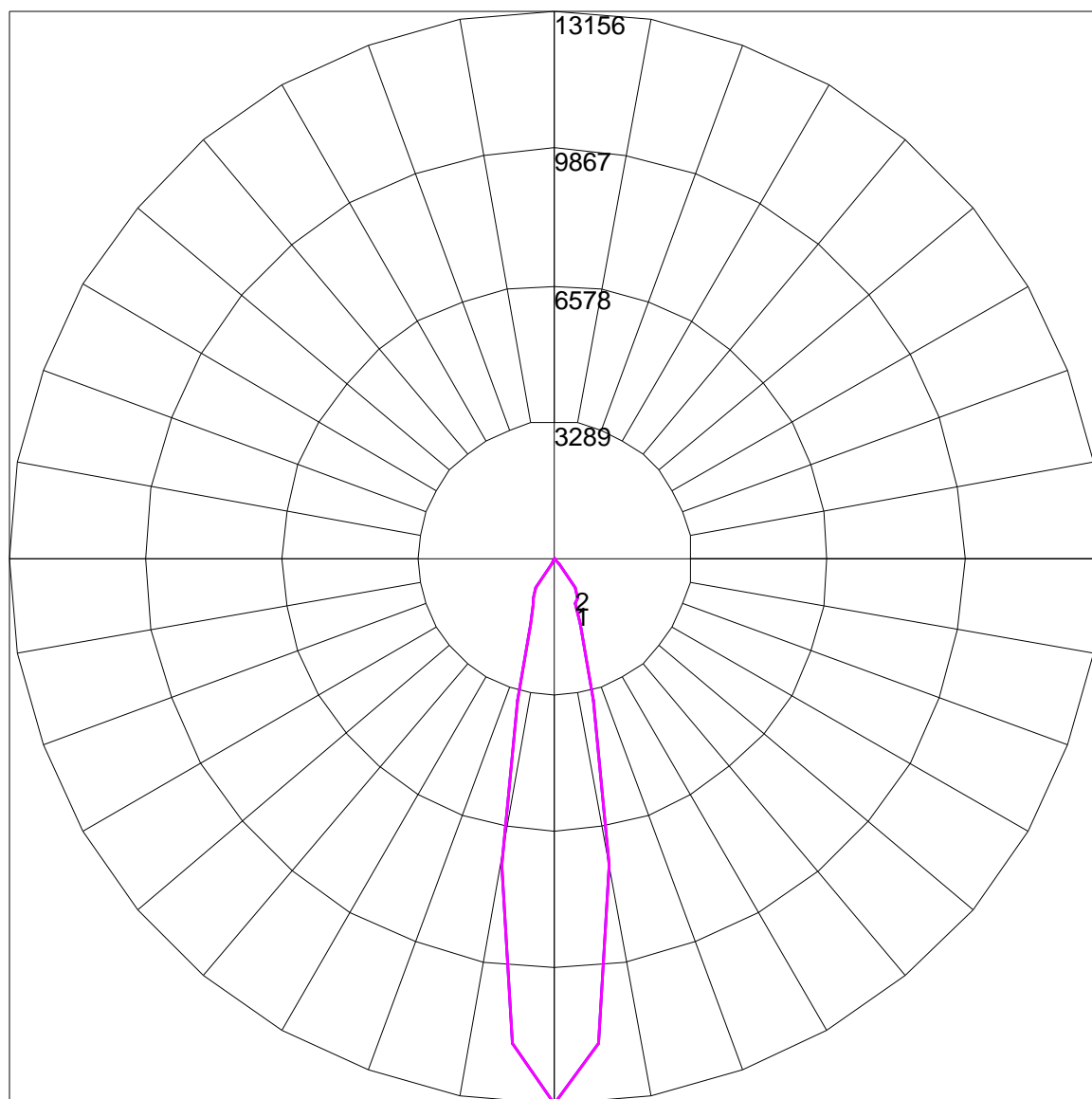
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	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	93	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	79	77	82	79	76	81	78	76	75
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72
9	86	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 = 13155.912 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)