

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-40LXXK-XWEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_12_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, Xtra Wide Beam
[LUMCAT] C0612XT-40L-xxK-XW-EX-BB-NL-MW
[OTHER] Matte White finish, Black baffle, no lens
[OTHER] 61.9 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	3142
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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	2715	2099	1826
55	129	153	91
65	143	149	117
75	288	268	197
85	793	842	952

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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	3514.584	3514.584	3514.584	3514.584	3514.584
5	3492.475	3504.411	3515.714	3513.217	3507.959
10	3412.828	3425.436	3440.308	3443.716	3440.275
15	3251.523	3267.151	3277.828	3275.308	3259.729
20	2960.735	2971.183	2972.533	2974.844	2963.889
25	2521.451	2524.226	2528.149	2522.860	2509.594
30	1955.869	1958.397	1959.042	1950.742	1941.918
35	1135.547	1141.320	1151.394	1143.010	1133.563
40	312.406	293.402	248.597	222.575	246.109
45	37.916	30.986	29.312	23.525	25.499
50	1.851	1.433	1.681	2.607	2.045
55	1.457	2.025	1.735	1.401	1.032
60	1.170	1.351	1.382	1.827	1.193
65	1.197	1.380	1.240	1.097	0.977
70	1.077	1.340	0.775	1.391	0.957
75	1.474	0.778	1.368	1.504	1.007
80	1.453	1.313	0.691	0.973	0.803
85	1.365	0.985	1.450	1.347	1.639
90	1.523	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1244.12	N.A.	39.60
0-30	2386.79	N.A.	76.00
0-40	3076.99	N.A.	97.90
0-60	3138.35	N.A.	99.90
0-80	3140.79	N.A.	100.00
0-90	3141.85	N.A.	100.00
10-90	2809.54	N.A.	89.40
20-40	1832.87	N.A.	58.30
20-50	1892.76	N.A.	60.20
40-70	62.59	N.A.	2.00
60-80	2.45	N.A.	0.10
70-80	1.22	N.A.	0.00
80-90	1.05	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	3141.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	332.31
10-20	911.81
20-30	1142.67
30-40	690.20
40-50	59.89
50-60	1.47
60-70	1.23
70-80	1.22
80-90	1.05
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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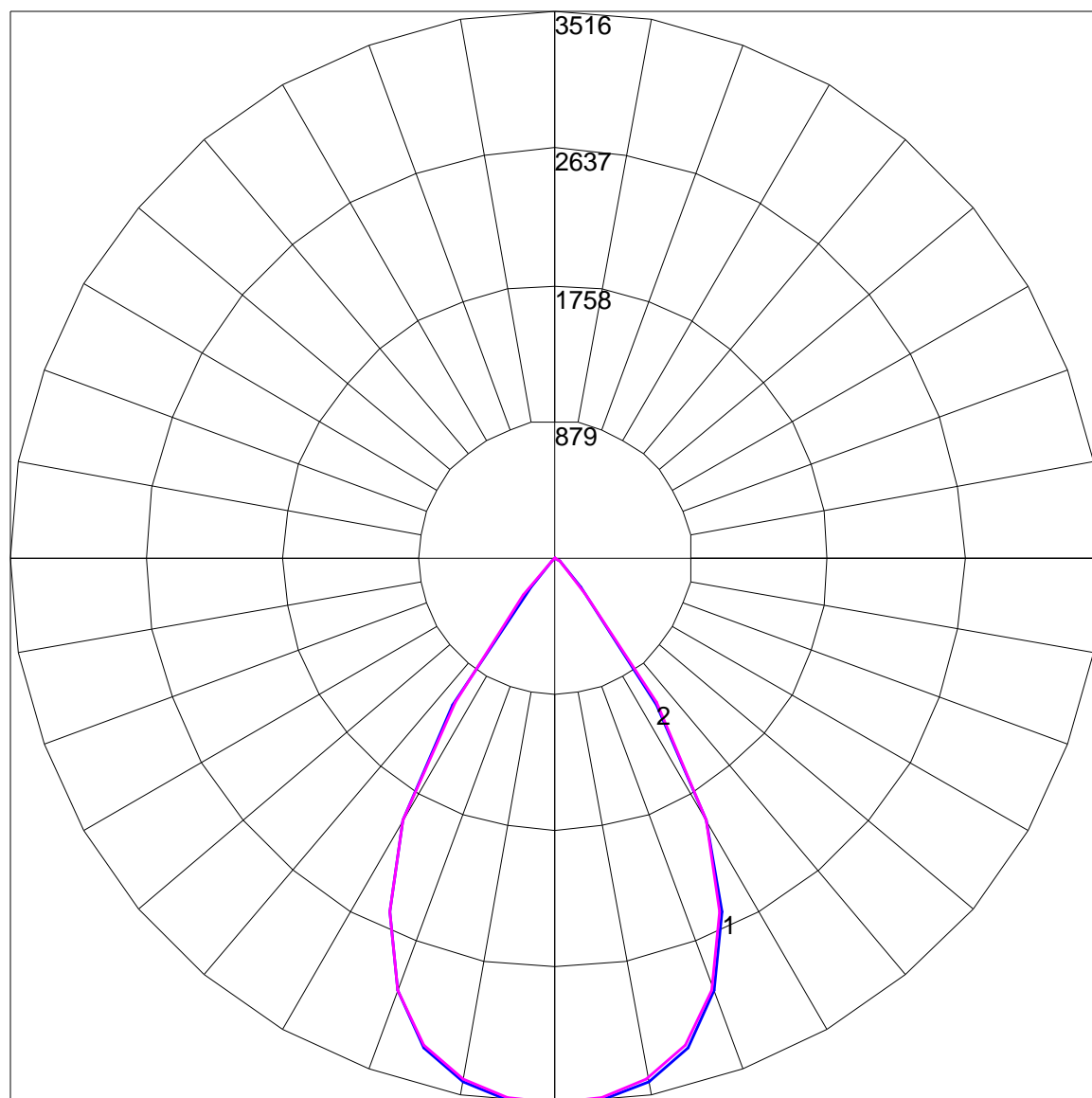
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 3515.714 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)