

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_12 ~ C0612XT-30LXXK-XWEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_12_M-30L
[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-30L-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	2448
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	32.6
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	2116	1636	1423
55	100	119	71
65	112	116	91
75	225	209	154
85	618	657	742

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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	2738.637	2738.637	2738.637	2738.637	2738.637
5	2721.409	2730.710	2739.518	2737.572	2733.475
10	2659.347	2669.171	2680.759	2683.416	2680.734
15	2533.654	2545.832	2554.152	2552.188	2540.049
20	2307.067	2315.207	2316.259	2318.060	2309.524
25	1964.767	1966.930	1969.986	1965.865	1955.528
30	1524.054	1526.024	1526.526	1520.059	1513.183
35	884.842	889.340	897.190	890.657	883.296
40	243.433	228.625	193.712	173.435	191.773
45	29.545	24.145	22.840	18.331	19.869
50	1.442	1.117	1.310	2.032	1.594
55	1.135	1.578	1.352	1.091	0.804
60	0.911	1.052	1.077	1.424	0.930
65	0.933	1.075	0.967	0.855	0.761
70	0.839	1.044	0.604	1.084	0.746
75	1.148	0.606	1.066	1.172	0.785
80	1.132	1.023	0.538	0.758	0.626
85	1.064	0.767	1.130	1.049	1.277
90	1.187	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	969.45	N.A.	39.60
0-30	1859.84	N.A.	76.00
0-40	2397.65	N.A.	97.90
0-60	2445.46	N.A.	99.90
0-80	2447.37	N.A.	100.00
0-90	2448.19	N.A.	100.00
10-90	2189.25	N.A.	89.40
20-40	1428.21	N.A.	58.30
20-50	1474.88	N.A.	60.20
40-70	48.77	N.A.	2.00
60-80	1.91	N.A.	0.10
70-80	0.95	N.A.	0.00
80-90	0.82	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	2448.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	258.94
10-20	710.50
20-30	890.39
30-40	537.82
40-50	46.67
50-60	1.14
60-70	0.96
70-80	0.95
80-90	0.82
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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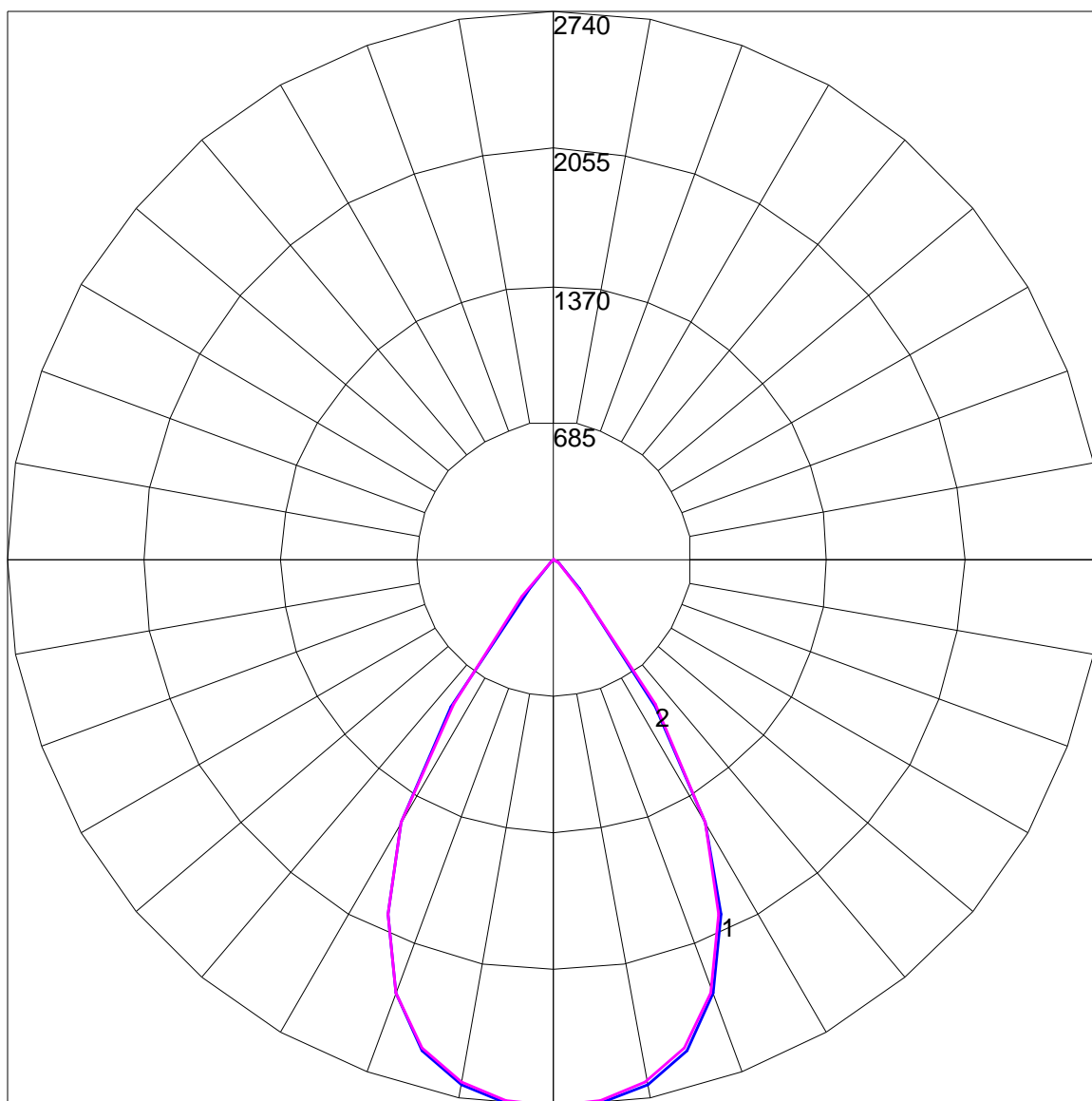
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	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	73	64	58	55	63	58	54	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 2739.518 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)