

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00561_4 ~ C0612XT-20LXXK-MDEX-BB-NL-MW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00561_4_M-20L
 [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-20L-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	1623
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	21.7
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-20LXXK-MDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	124	61	123
55	65	121	60
65	36	62	109
75	111	49	71
85	381	343	506

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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	6834.240	6834.240	6834.240	6834.240	6834.240
5	6095.068	6092.548	6102.828	6084.996	6105.404
10	3896.643	3885.590	3870.048	3847.225	3849.780
15	1846.224	1845.465	1828.387	1807.874	1803.832
20	898.555	892.436	881.944	872.519	865.222
25	626.534	620.396	619.139	615.568	615.734
30	571.857	567.166	566.384	565.448	565.353
35	434.207	425.218	442.418	428.820	444.872
40	90.721	60.376	64.140	46.632	40.113
45	1.732	2.003	0.846	0.827	1.724
50	0.782	1.121	0.705	0.834	0.957
55	0.739	0.831	1.370	0.694	0.675
60	0.586	0.503	0.808	0.425	0.683
65	0.302	0.480	0.520	0.471	0.913
70	0.428	0.586	0.339	0.502	0.658
75	0.565	0.304	0.250	0.405	0.365
80	0.650	0.415	0.601	0.790	0.493
85	0.656	0.833	0.590	0.689	0.871
90	0.030	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1072.13	N.A.	66.00
0-30	1379.67	N.A.	85.00
0-40	1609.34	N.A.	99.10
0-60	1621.72	N.A.	99.90
0-80	1622.72	N.A.	100.00
0-90	1623.28	N.A.	100.00
10-90	1112.26	N.A.	68.50
20-40	537.20	N.A.	33.10
20-50	548.86	N.A.	33.80
40-70	12.91	N.A.	0.80
60-80	1.00	N.A.	0.10
70-80	0.48	N.A.	0.00
80-90	0.55	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	1623.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	511.02
10-20	561.12
20-30	307.54
30-40	229.67
40-50	11.65
50-60	0.73
60-70	0.53
70-80	0.48
80-90	0.55
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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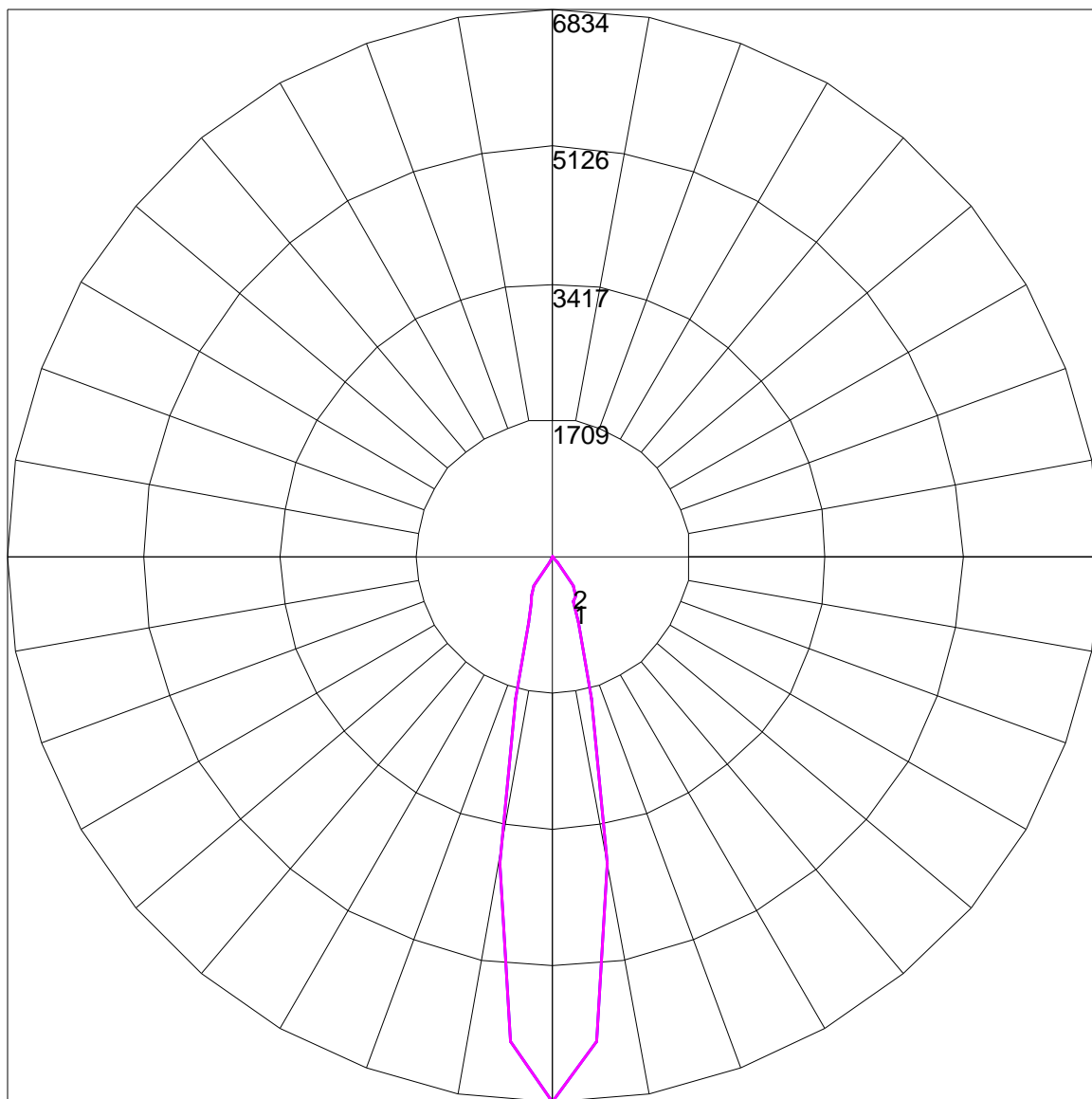
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6834.24 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)