

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-10LXXK-NDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_M-10L
[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, Narrow Beam
[LUMCAT] C0612XT-10L-xxK-ND-EX-BB-NL-MW
[OTHER] Matte White finish, black baffle, no lens
[OTHER] 13.2 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	864
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
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	86	65	47
55	16	19	26
65	27	42	28
75	52	46	49
85	214	240	269

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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	8045.612	8045.612	8045.612	8045.612	8045.612
5	5212.681	5222.337	5233.023	5241.523	5251.320
10	1519.967	1538.821	1538.144	1523.903	1514.928
15	523.190	528.541	523.434	511.517	504.946
20	343.395	339.805	340.557	335.628	334.195
25	309.119	304.903	302.273	298.552	300.712
30	290.259	285.422	283.695	280.929	280.961
35	222.163	220.347	224.551	213.098	212.850
40	65.166	54.807	48.266	39.413	38.676
45	1.203	1.256	0.907	0.869	0.662
50	0.423	0.396	0.364	0.236	0.356
55	0.185	0.307	0.216	0.343	0.294
60	0.305	0.306	0.327	0.255	0.323
65	0.227	0.294	0.348	0.259	0.235
70	0.515	0.276	0.239	0.488	0.265
75	0.268	0.130	0.233	0.262	0.248
80	0.244	0.345	0.387	0.176	0.140
85	0.368	0.257	0.413	0.555	0.463
90	0.391	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	592.89	N.A.	68.60
0-30	734.38	N.A.	85.00
0-40	853.05	N.A.	98.80
0-60	862.77	N.A.	99.90
0-80	863.35	N.A.	100.00
0-90	863.67	N.A.	100.00
10-90	463.04	N.A.	53.60
20-40	260.16	N.A.	30.10
20-50	269.62	N.A.	31.20
40-70	10.02	N.A.	1.20
60-80	0.58	N.A.	0.10
70-80	0.28	N.A.	0.00
80-90	0.31	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	863.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	400.62
10-20	192.26
20-30	141.50
30-40	118.67
40-50	9.45
50-60	0.27
60-70	0.30
70-80	0.28
80-90	0.31
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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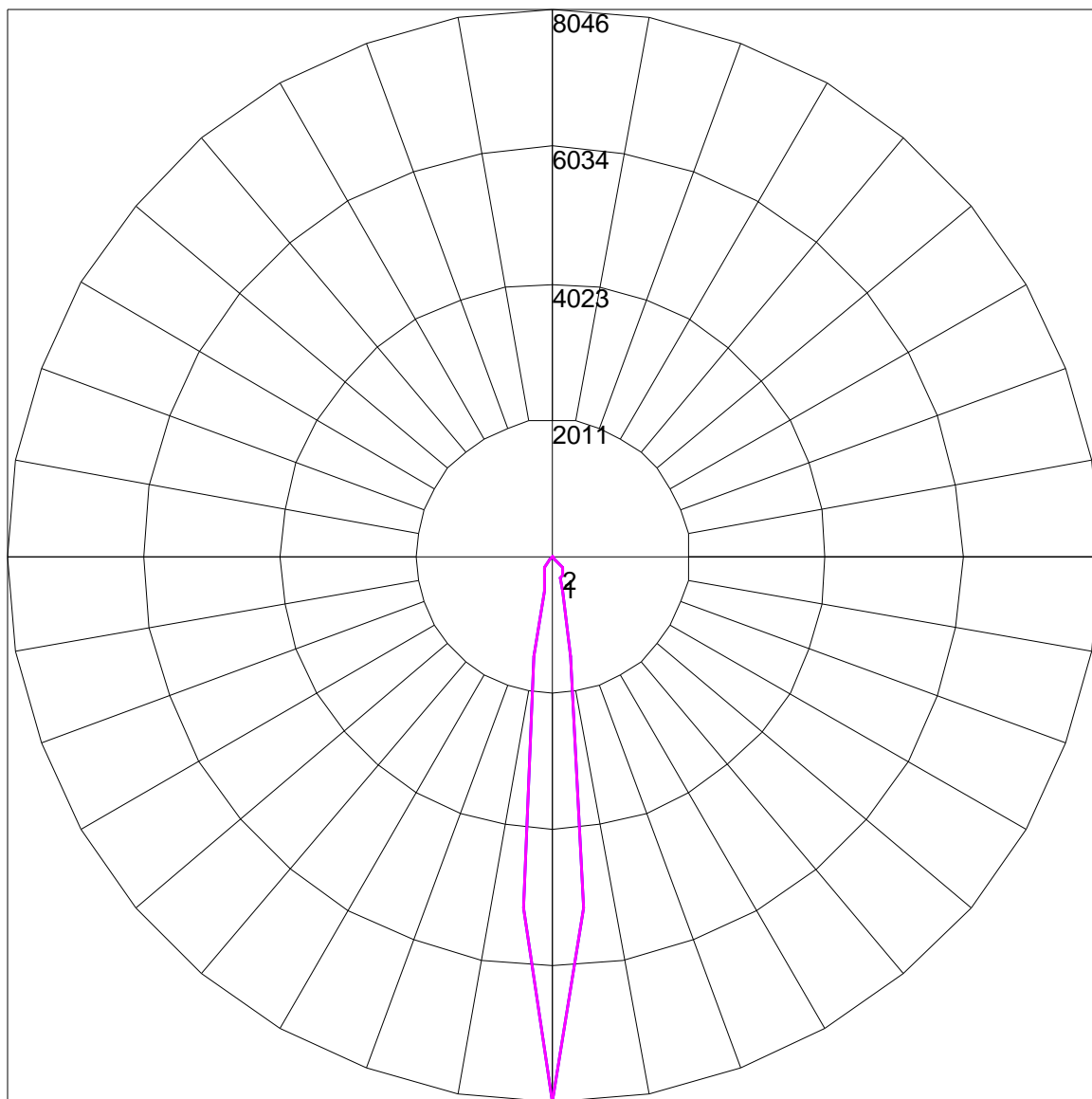
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	92	86	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	81	78	76	75
10	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	74	73

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POLAR GRAPH



Maximum Candela = 8045.612 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)