

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_8 ~ C0612XT-10LXXK-WDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_8_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, Wide Beam
[LUMCAT] C0612XT-10L-xxK-WD-EX-BB-NL-MW
[OTHER] Matte White finish, Black baffle, no lens
[OTHER] 38.7 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	789
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.64
Spacing Criterion (Diagonal)	0.66
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	69	58	51
55	23	42	43
65	40	37	36
75	58	41	66
85	205	229	209

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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	1576.484	1576.484	1576.484	1576.484	1576.484
5	1512.242	1514.451	1519.320	1518.767	1522.337
10	1324.327	1326.359	1333.062	1334.360	1339.943
15	1043.393	1044.827	1043.417	1046.102	1047.543
20	748.928	748.175	745.310	743.662	743.877
25	512.167	509.879	506.510	504.412	505.010
30	351.353	348.155	346.432	345.376	344.913
35	198.890	196.210	193.997	193.687	193.441
40	33.404	23.921	22.089	18.364	17.777
45	0.968	0.608	0.804	0.637	0.713
50	0.551	0.428	0.419	0.398	0.485
55	0.262	0.281	0.477	0.358	0.491
60	0.421	0.250	0.260	0.267	0.310
65	0.330	0.304	0.311	0.340	0.302
70	0.331	0.247	0.411	0.196	0.201
75	0.297	0.306	0.210	0.329	0.335
80	0.308	0.302	0.302	0.340	0.368
85	0.352	0.290	0.395	0.219	0.359
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	427.46	N.A.	54.20
0-30	667.02	N.A.	84.60
0-40	783.13	N.A.	99.30
0-60	787.99	N.A.	99.90
0-80	788.61	N.A.	100.00
0-90	788.86	N.A.	100.00
10-90	649.96	N.A.	82.40
20-40	355.67	N.A.	45.10
20-50	360.20	N.A.	45.70
40-70	5.16	N.A.	0.70
60-80	0.61	N.A.	0.10
70-80	0.31	N.A.	0.00
80-90	0.26	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	788.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	138.90
10-20	288.56
20-30	239.56
30-40	116.11
40-50	4.53
50-60	0.33
60-70	0.30
70-80	0.31
80-90	0.26
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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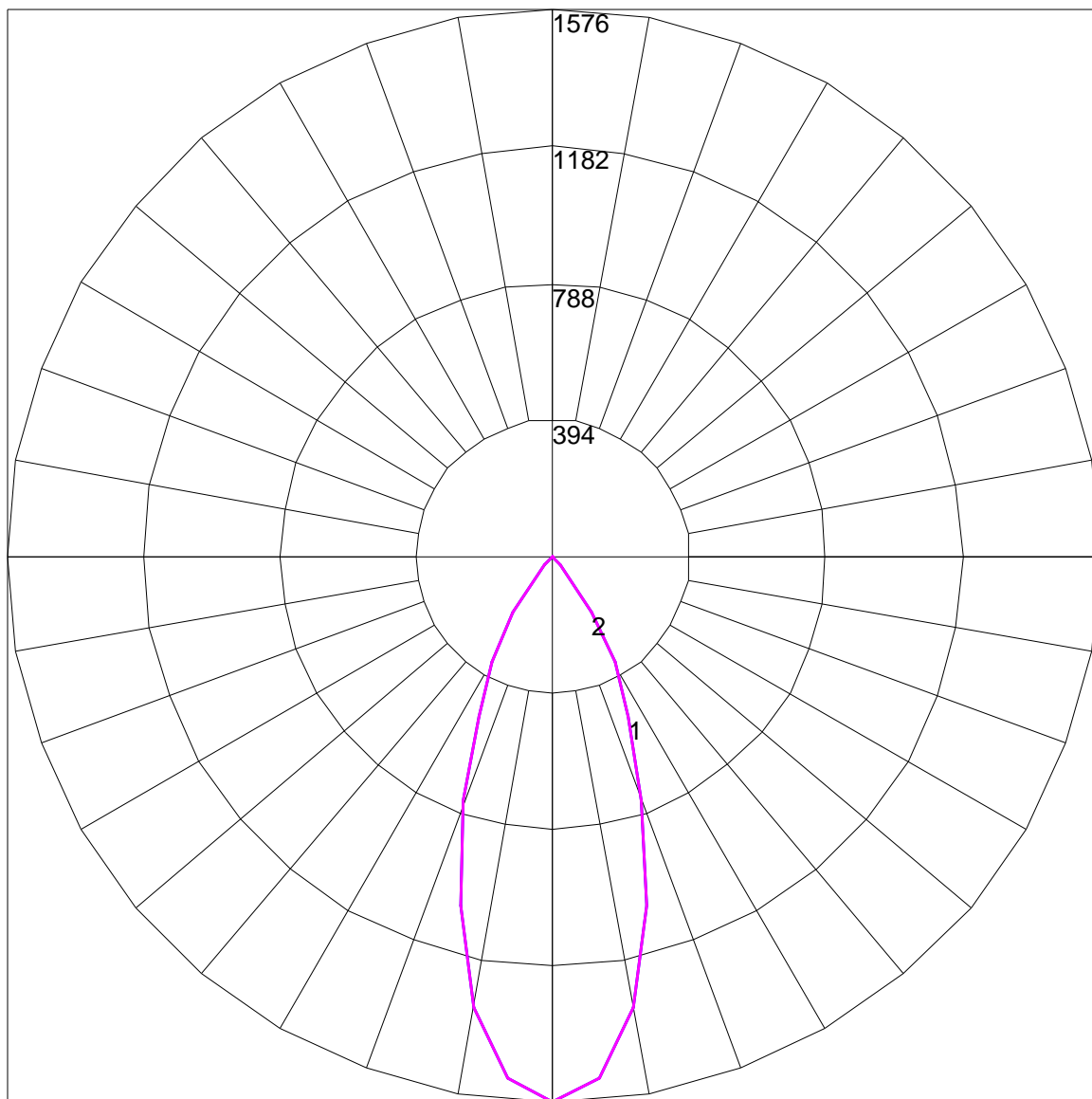
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85
4	101	94	89	86	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60

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POLAR GRAPH



Maximum Candela = 1576.484 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)