

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00561_4 ~ C0612XT-10LXXK-MDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00561_4_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, Medium Beam
[LUMCAT] C0612XT-10L-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	783
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	9.1
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	60	29	60
55	31	58	29
65	17	30	53
75	53	24	34
85	184	166	244

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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	3297.521	3297.521	3297.521	3297.521	3297.521
5	2940.870	2939.654	2944.615	2936.011	2945.857
10	1880.130	1874.797	1867.298	1856.286	1857.519
15	890.803	890.437	882.197	872.299	870.349
20	433.553	430.601	425.538	420.990	417.469
25	302.302	299.341	298.734	297.011	297.092
30	275.921	273.658	273.280	272.829	272.783
35	209.505	205.167	213.467	206.905	214.651
40	43.773	29.132	30.947	22.500	19.355
45	0.835	0.966	0.408	0.399	0.832
50	0.377	0.541	0.340	0.403	0.462
55	0.356	0.401	0.661	0.335	0.326
60	0.283	0.243	0.390	0.205	0.329
65	0.146	0.232	0.251	0.227	0.440
70	0.207	0.283	0.163	0.242	0.318
75	0.273	0.147	0.121	0.196	0.176
80	0.314	0.200	0.290	0.381	0.238
85	0.316	0.402	0.285	0.332	0.420
90	0.014	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	517.30	N.A.	66.00
0-30	665.69	N.A.	85.00
0-40	776.50	N.A.	99.10
0-60	782.48	N.A.	99.90
0-80	782.96	N.A.	100.00
0-90	783.23	N.A.	100.00
10-90	536.67	N.A.	68.50
20-40	259.20	N.A.	33.10
20-50	264.82	N.A.	33.80
40-70	6.23	N.A.	0.80
60-80	0.48	N.A.	0.10
70-80	0.23	N.A.	0.00
80-90	0.27	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	783.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	246.57
10-20	270.74
20-30	148.39
30-40	110.81
40-50	5.62
50-60	0.35
60-70	0.25
70-80	0.23
80-90	0.27
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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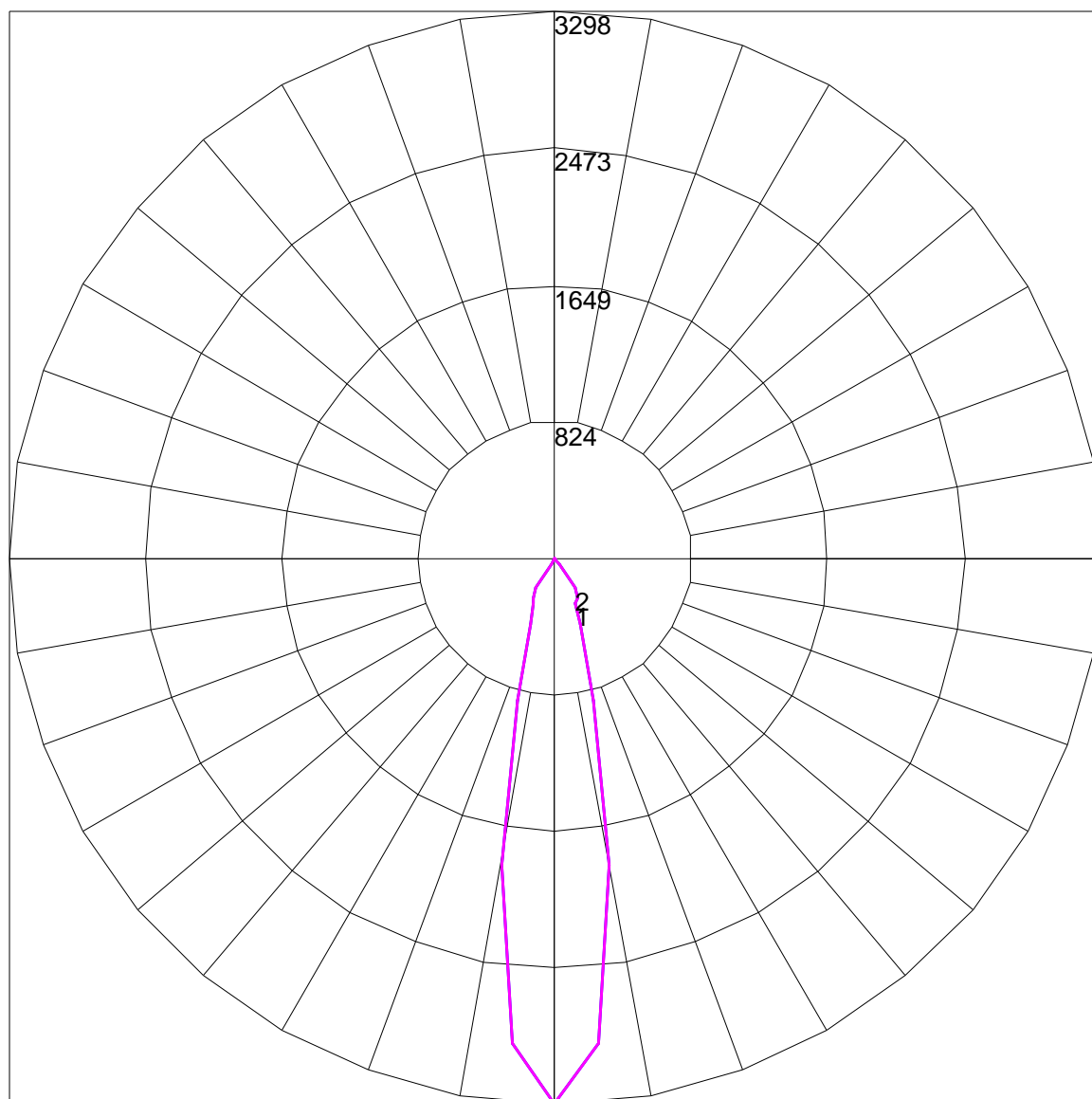
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	106	103	101	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	85	98	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	81	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 = 3297.521 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)