

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_8 ~ C0612XT-50LXXK-WDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00561\_8  
[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-50L-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

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4087
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	52
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_8 ~ C0612XT-50LXXK-WDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	359	298	265
55	120	218	225
65	205	193	188
75	301	212	340
85	1060	1189	1081

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_8 ~ C0612XT-50LXXK-WDEX-BB-NL-MW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	8168.311	8168.311	8168.311	8168.311	8168.311
<b>5</b>	7835.451	7846.898	7872.126	7869.260	7887.754
<b>10</b>	6861.797	6872.328	6907.057	6913.783	6942.712
<b>15</b>	5406.183	5413.612	5406.308	5420.218	5427.685
<b>20</b>	3880.454	3876.552	3861.711	3853.172	3854.285
<b>25</b>	2653.715	2641.860	2624.404	2613.535	2616.631
<b>30</b>	1820.484	1803.910	1794.983	1789.515	1787.114
<b>35</b>	1030.517	1016.631	1005.166	1003.559	1002.287
<b>40</b>	173.077	123.941	114.449	95.152	92.108
<b>45</b>	5.015	3.149	4.164	3.300	3.694
<b>50</b>	2.853	2.217	2.169	2.063	2.512
<b>55</b>	1.356	1.455	2.474	1.855	2.546
<b>60</b>	2.180	1.293	1.347	1.382	1.605
<b>65</b>	1.709	1.575	1.610	1.761	1.566
<b>70</b>	1.713	1.278	2.129	1.016	1.044
<b>75</b>	1.538	1.586	1.086	1.706	1.736
<b>80</b>	1.595	1.565	1.566	1.761	1.905
<b>85</b>	1.824	1.503	2.047	1.134	1.861
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	2214.83	N.A.	54.20
0-30	3456.08	N.A.	84.60
0-40	4057.68	N.A.	99.30
0-60	4082.87	N.A.	99.90
0-80	4086.03	N.A.	100.00
0-90	4087.38	N.A.	100.00
10-90	3367.67	N.A.	82.40
20-40	1842.85	N.A.	45.10
20-50	1866.34	N.A.	45.70
40-70	26.74	N.A.	0.70
60-80	3.16	N.A.	0.10
70-80	1.62	N.A.	0.00
80-90	1.34	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	4087.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	719.70
10-20	1495.12
20-30	1241.26
30-40	601.60
40-50	23.49
50-60	1.71
60-70	1.54
70-80	1.62
80-90	1.34
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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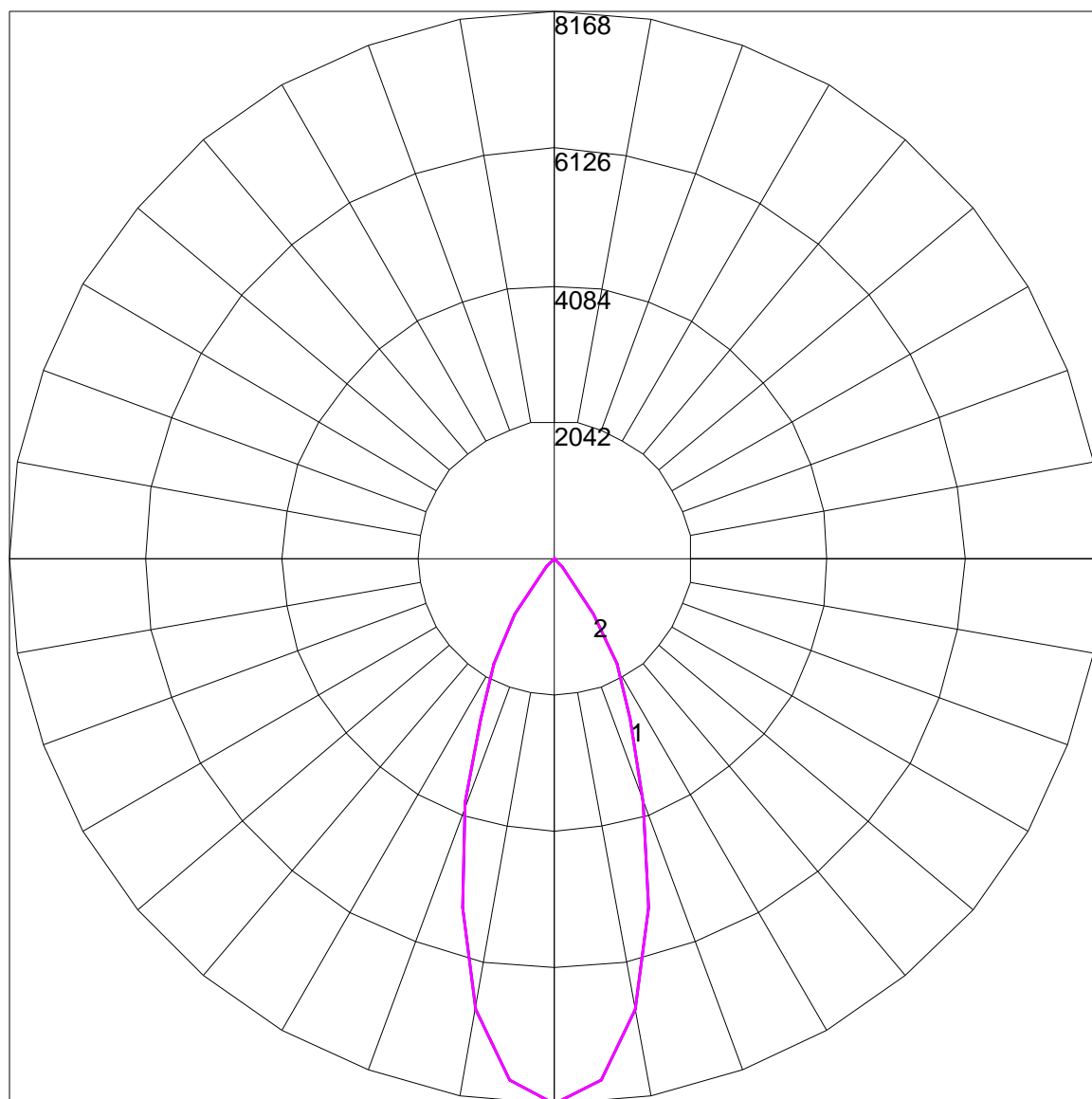
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	90
3	105	99	95	92	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	74	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 = 8168.311 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)