

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_8 ~ C0612XT-20LXXK-WDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00561\_8\_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, Wide Beam  
[LUMCAT] C0612XT-20L-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	1635
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)	0.64
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-20LXXK-WDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	144	119	106
55	48	87	90
65	82	77	75
75	120	85	136
85	424	476	432

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_8 ~ C0612XT-20LXXK-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>	3267.324	3267.324	3267.324	3267.324	3267.324
<b>5</b>	3134.180	3138.759	3148.850	3147.704	3155.102
<b>10</b>	2744.719	2748.931	2762.823	2765.513	2777.085
<b>15</b>	2162.473	2165.445	2162.523	2168.087	2171.074
<b>20</b>	1552.182	1550.621	1544.684	1541.269	1541.714
<b>25</b>	1061.486	1056.744	1049.762	1045.414	1046.652
<b>30</b>	728.194	721.564	717.993	715.806	714.846
<b>35</b>	412.207	406.652	402.066	401.424	400.915
<b>40</b>	69.231	49.576	45.780	38.061	36.843
<b>45</b>	2.006	1.260	1.666	1.320	1.478
<b>50</b>	1.141	0.887	0.868	0.825	1.005
<b>55</b>	0.542	0.582	0.990	0.742	1.018
<b>60</b>	0.872	0.517	0.539	0.553	0.642
<b>65</b>	0.684	0.630	0.644	0.704	0.626
<b>70</b>	0.685	0.511	0.852	0.406	0.418
<b>75</b>	0.615	0.634	0.434	0.682	0.694
<b>80</b>	0.638	0.626	0.626	0.704	0.762
<b>85</b>	0.730	0.601	0.819	0.454	0.744
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	885.93	N.A.	54.20
0-30	1382.43	N.A.	84.60
0-40	1623.07	N.A.	99.30
0-60	1633.15	N.A.	99.90
0-80	1634.41	N.A.	100.00
0-90	1634.95	N.A.	100.00
10-90	1347.07	N.A.	82.40
20-40	737.14	N.A.	45.10
20-50	746.54	N.A.	45.70
40-70	10.69	N.A.	0.70
60-80	1.26	N.A.	0.10
70-80	0.65	N.A.	0.00
80-90	0.54	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	1634.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	287.88
10-20	598.05
20-30	496.50
30-40	240.64
40-50	9.40
50-60	0.68
60-70	0.62
70-80	0.65
80-90	0.54
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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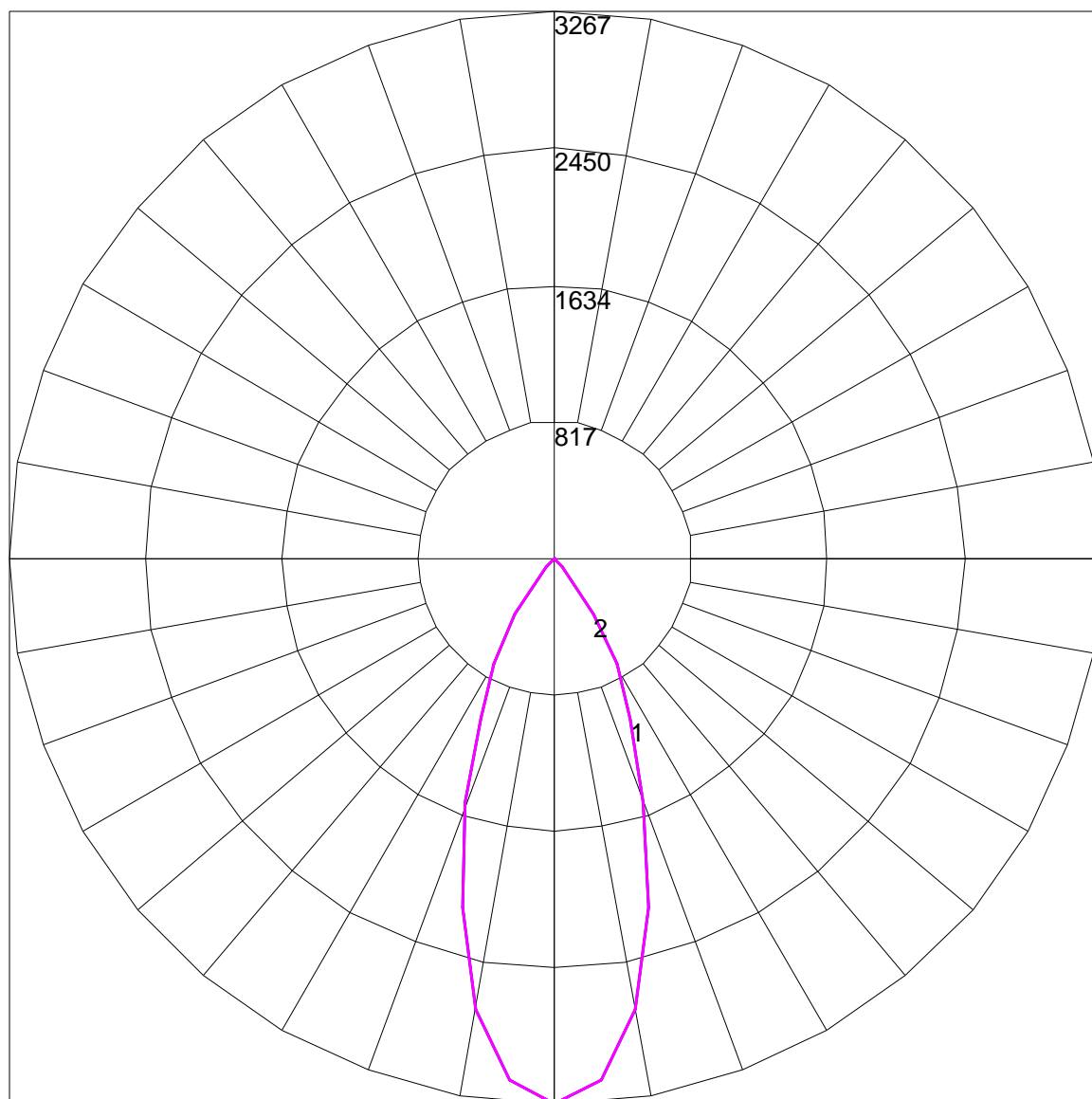
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	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 = 3267.324 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)