

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_12 ~ C0612XT-20LXXK-XWEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00561\_12\_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, Xtra Wide Beam  
[LUMCAT] C0612XT-20L-xxK-XW-EX-BB-NL-MW  
[OTHER] Matte White finish, Black baffle, no lens  
[OTHER] 61.9 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	1632
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)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
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\_12 ~ C0612XT-20LXXK-XWEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1410	1090	949
55	67	80	47
65	75	77	61
75	150	139	102
85	412	437	494

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_12 ~ C0612XT-20LXXK-XWEX-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>	1825.758	1825.758	1825.758	1825.758	1825.758
<b>5</b>	1814.273	1820.473	1826.345	1825.048	1822.316
<b>10</b>	1772.898	1779.447	1787.173	1788.944	1787.156
<b>15</b>	1689.103	1697.221	1702.768	1701.459	1693.366
<b>20</b>	1538.044	1543.472	1544.173	1545.374	1539.682
<b>25</b>	1309.845	1311.286	1313.324	1310.576	1303.685
<b>30</b>	1016.036	1017.349	1017.684	1013.372	1008.789
<b>35</b>	589.894	592.894	598.127	593.772	588.864
<b>40</b>	162.289	152.417	129.141	115.624	127.849
<b>45</b>	19.696	16.096	15.227	12.221	13.246
<b>50</b>	0.962	0.744	0.873	1.354	1.062
<b>55</b>	0.757	1.052	0.901	0.728	0.536
<b>60</b>	0.608	0.702	0.718	0.949	0.620
<b>65</b>	0.622	0.717	0.644	0.570	0.508
<b>70</b>	0.560	0.696	0.402	0.723	0.497
<b>75</b>	0.766	0.404	0.710	0.781	0.523
<b>80</b>	0.755	0.682	0.359	0.506	0.417
<b>85</b>	0.709	0.512	0.753	0.700	0.851
<b>90</b>	0.791	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	646.30	N.A.	39.60
0-30	1239.89	N.A.	76.00
0-40	1598.44	N.A.	97.90
0-60	1630.31	N.A.	99.90
0-80	1631.58	N.A.	100.00
0-90	1632.13	N.A.	100.00
10-90	1459.5	N.A.	89.40
20-40	952.14	N.A.	58.30
20-50	983.25	N.A.	60.20
40-70	32.51	N.A.	2.00
60-80	1.27	N.A.	0.10
70-80	0.63	N.A.	0.00
80-90	0.55	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	1632.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	172.63
10-20	473.67
20-30	593.59
30-40	358.55
40-50	31.11
50-60	0.76
60-70	0.64
70-80	0.63
80-90	0.55
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

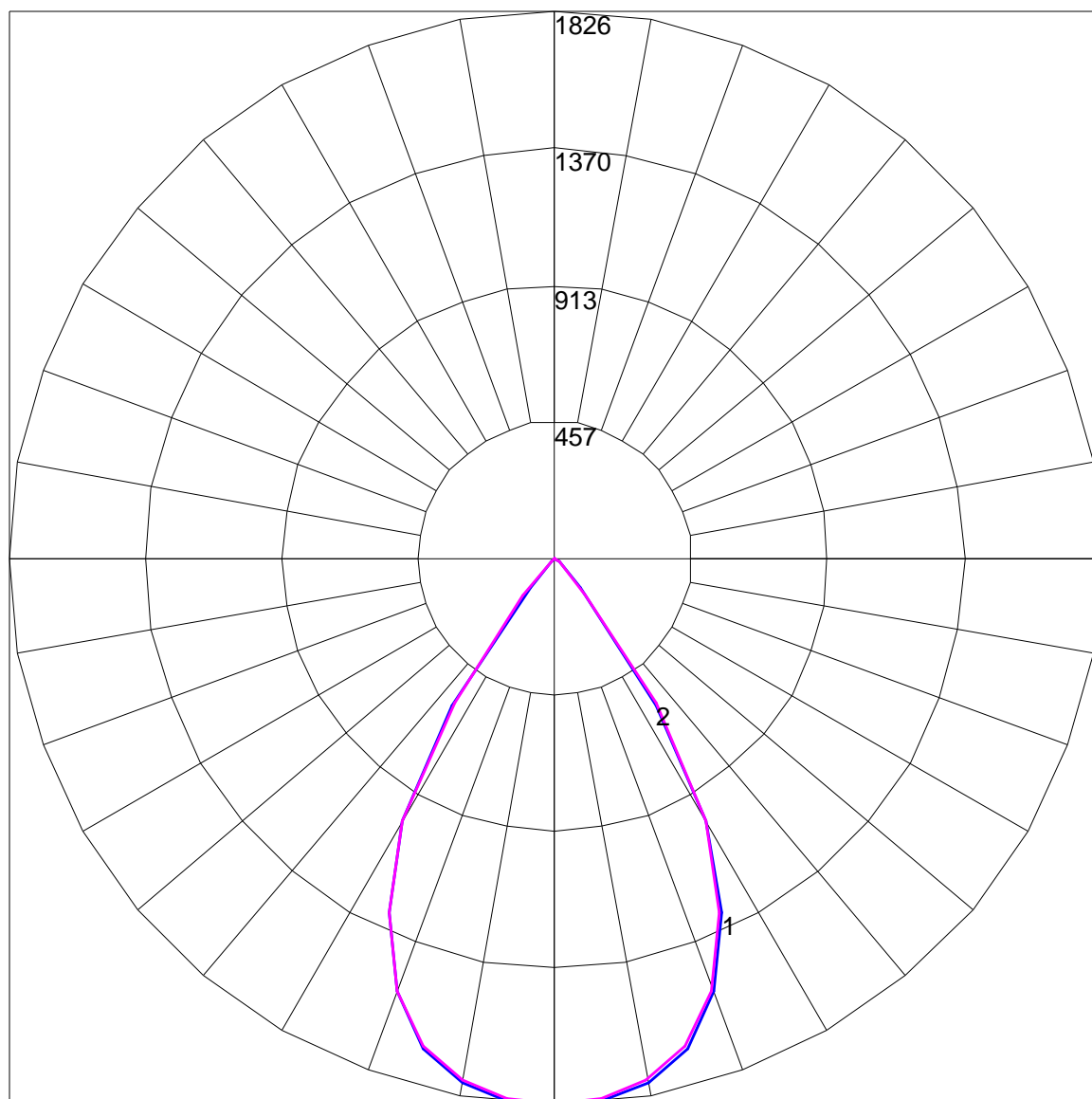
Effective Floor Cavity Reflectance 0.20

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63
8	81	72	66	62	80	71	66	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	73	64	58	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53

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## POLAR GRAPH



Maximum Candela = 1826.345 Located At Horizontal Angle = 45, Vertical Angle = 5

# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)

# 2 - Vertical Plane Through Horizontal Angles (0 - 180)