

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

IESNA:LM-63-2002
 [TEST] SP-00561_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, Narrow Beam
 [LUMCAT] C0612XT-20L-xxK-ND-EX-BB-NL-MW
 [OTHER] Matte White finish, black baffle, no lens
 [OTHER] 13.2 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	1790
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
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 ~ C0612XT-20LXXK-NDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	178	135	98
55	34	40	54
65	56	86	58
75	109	94	101
85	443	497	558

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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	16674.844	16674.844	16674.844	16674.844	16674.844
5	10803.485	10823.496	10845.644	10863.260	10883.564
10	3150.191	3189.266	3187.863	3158.348	3139.746
15	1084.332	1095.422	1084.838	1060.138	1046.520
20	711.699	704.260	705.818	695.602	692.632
25	640.660	631.924	626.472	618.760	623.237
30	601.572	591.549	587.969	582.237	582.303
35	460.442	456.678	465.391	441.655	441.140
40	135.060	113.589	100.032	81.686	80.158
45	2.492	2.604	1.879	1.802	1.371
50	0.878	0.821	0.754	0.490	0.739
55	0.384	0.637	0.448	0.710	0.608
60	0.631	0.634	0.678	0.528	0.670
65	0.471	0.610	0.721	0.538	0.486
70	1.068	0.573	0.496	1.012	0.550
75	0.555	0.270	0.483	0.544	0.514
80	0.506	0.715	0.802	0.365	0.290
85	0.762	0.534	0.856	1.150	0.960
90	0.810	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1228.78	N.A.	68.60
0-30	1522.04	N.A.	85.00
0-40	1767.98	N.A.	98.80
0-60	1788.13	N.A.	99.90
0-80	1789.34	N.A.	100.00
0-90	1789.98	N.A.	100.00
10-90	959.67	N.A.	53.60
20-40	539.20	N.A.	30.10
20-50	558.79	N.A.	31.20
40-70	20.77	N.A.	1.20
60-80	1.21	N.A.	0.10
70-80	0.58	N.A.	0.00
80-90	0.65	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	1789.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	830.31
10-20	398.47
20-30	293.26
30-40	245.94
40-50	19.59
50-60	0.56
60-70	0.63
70-80	0.58
80-90	0.65
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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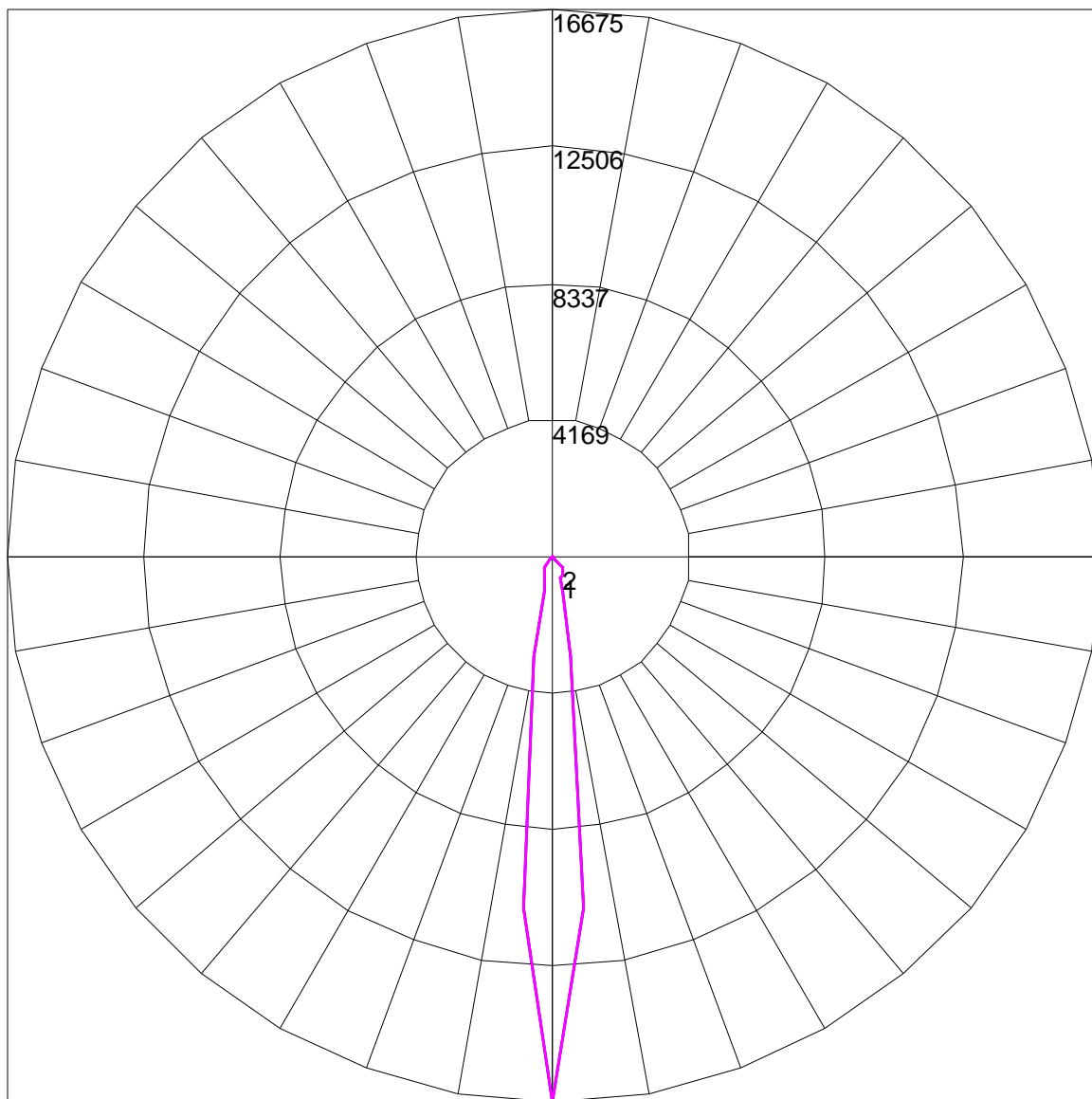
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	97	94	92	94	93	91	90
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	87	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	88	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	92	86	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77
9	90	83	79	76	89	83	79	76	82	78	76	81	78	76	81	78	76	75
10	88	81	77	74	87	81	77	74	80	76	74	79	76	74	79	76	74	73

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POLAR GRAPH



Maximum Candela = 16674.844 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)