

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-40LXXK-NDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00561\_M-40L  
[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-40L-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	3446
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	37.9
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-40LXXK-NDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	344	259	189
55	65	76	103
65	109	166	112
75	209	182	193
85	853	957	1074

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561 ~ C0612XT-40LXXK-NDEX-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>	32099.073	32099.073	32099.073	32099.073	32099.073
<b>5</b>	20796.707	20835.229	20877.863	20911.775	20950.860
<b>10</b>	6064.117	6139.337	6136.636	6079.819	6044.012
<b>15</b>	2087.338	2108.688	2088.312	2040.766	2014.550
<b>20</b>	1370.020	1355.700	1358.700	1339.033	1333.317
<b>25</b>	1233.271	1216.454	1205.959	1191.114	1199.732
<b>30</b>	1158.027	1138.731	1131.841	1120.807	1120.933
<b>35</b>	886.350	879.106	895.877	850.185	849.194
<b>40</b>	259.990	218.659	192.562	157.246	154.305
<b>45</b>	4.798	5.012	3.617	3.468	2.640
<b>50</b>	1.689	1.581	1.451	0.942	1.422
<b>55</b>	0.740	1.227	0.862	1.368	1.171
<b>60</b>	1.215	1.220	1.304	1.016	1.291
<b>65</b>	0.907	1.173	1.388	1.035	0.936
<b>70</b>	2.055	1.103	0.954	1.949	1.058
<b>75</b>	1.068	0.519	0.929	1.047	0.989
<b>80</b>	0.974	1.377	1.544	0.702	0.557
<b>85</b>	1.468	1.027	1.648	2.213	1.849
<b>90</b>	1.558	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	2365.4	N.A.	68.60
0-30	2929.92	N.A.	85.00
0-40	3403.36	N.A.	98.80
0-60	3442.14	N.A.	99.90
0-80	3444.47	N.A.	100.00
0-90	3445.71	N.A.	100.00
10-90	1847.37	N.A.	53.60
20-40	1037.96	N.A.	30.10
20-50	1075.67	N.A.	31.20
40-70	39.99	N.A.	1.20
60-80	2.33	N.A.	0.10
70-80	1.12	N.A.	0.00
80-90	1.24	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	3445.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1598.34
10-20	767.05
20-30	564.53
30-40	473.43
40-50	37.71
50-60	1.07
60-70	1.20
70-80	1.12
80-90	1.24
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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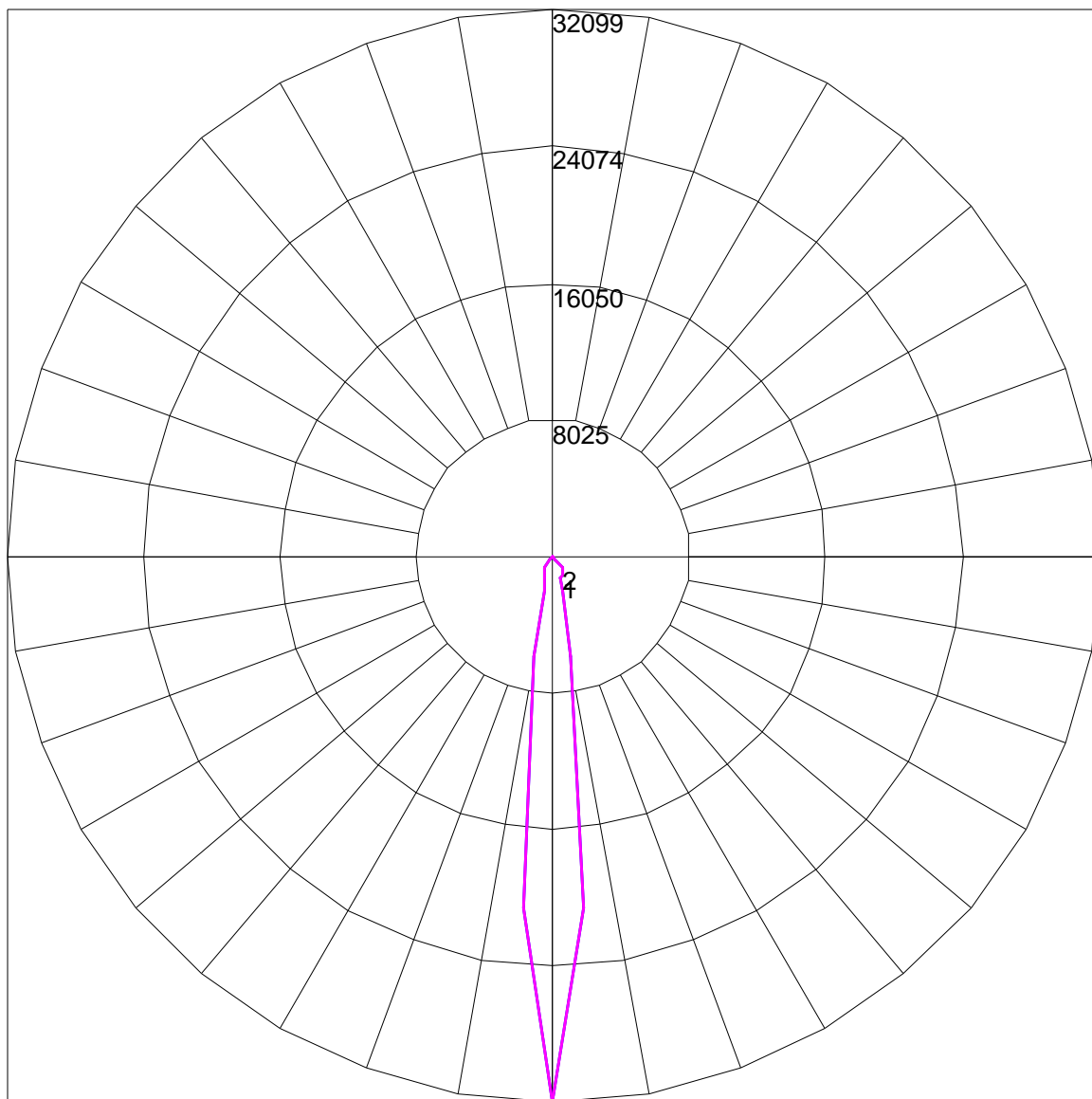
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 32099.073 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)