

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_8 ~ C0612XT-40LXXK-WDEX-BB-NL-MW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00561\_8\_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 Series, Wide Beam

[LUMCAT] C0612XT-40L-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	3147
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	37.9
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-40LXXK-WDEX-BB-NL-MW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	277	230	204
55	92	168	173
65	158	149	144
75	232	164	262
85	816	916	833

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00561\_8 ~ C0612XT-40LXXK-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>	6289.599	6289.599	6289.599	6289.599	6289.599
<b>5</b>	6033.297	6042.111	6061.537	6059.330	6073.570
<b>10</b>	5283.584	5291.692	5318.434	5323.613	5345.888
<b>15</b>	4162.761	4168.481	4162.857	4173.568	4179.317
<b>20</b>	2987.950	2984.945	2973.517	2966.942	2967.799
<b>25</b>	2043.360	2034.232	2020.791	2012.422	2014.806
<b>30</b>	1401.773	1389.011	1382.137	1377.927	1376.078
<b>35</b>	793.498	782.806	773.978	772.740	771.761
<b>40</b>	133.269	95.435	88.126	73.267	70.923
<b>45</b>	3.862	2.425	3.206	2.541	2.844
<b>50</b>	2.197	1.707	1.670	1.589	1.934
<b>55</b>	1.044	1.120	1.905	1.428	1.960
<b>60</b>	1.679	0.996	1.037	1.064	1.236
<b>65</b>	1.316	1.213	1.240	1.356	1.206
<b>70</b>	1.319	0.984	1.639	0.782	0.804
<b>75</b>	1.184	1.221	0.836	1.314	1.337
<b>80</b>	1.228	1.205	1.206	1.356	1.467
<b>85</b>	1.404	1.157	1.576	0.873	1.433
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1705.42	N.A.	54.20
0-30	2661.18	N.A.	84.60
0-40	3124.41	N.A.	99.30
0-60	3143.81	N.A.	99.90
0-80	3146.25	N.A.	100.00
0-90	3147.28	N.A.	100.00
10-90	2593.11	N.A.	82.40
20-40	1419.00	N.A.	45.10
20-50	1437.08	N.A.	45.70
40-70	20.59	N.A.	0.70
60-80	2.44	N.A.	0.10
70-80	1.25	N.A.	0.00
80-90	1.03	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	3147.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	554.17
10-20	1151.25
20-30	955.77
30-40	463.23
40-50	18.09
50-60	1.31
60-70	1.19
70-80	1.25
80-90	1.03
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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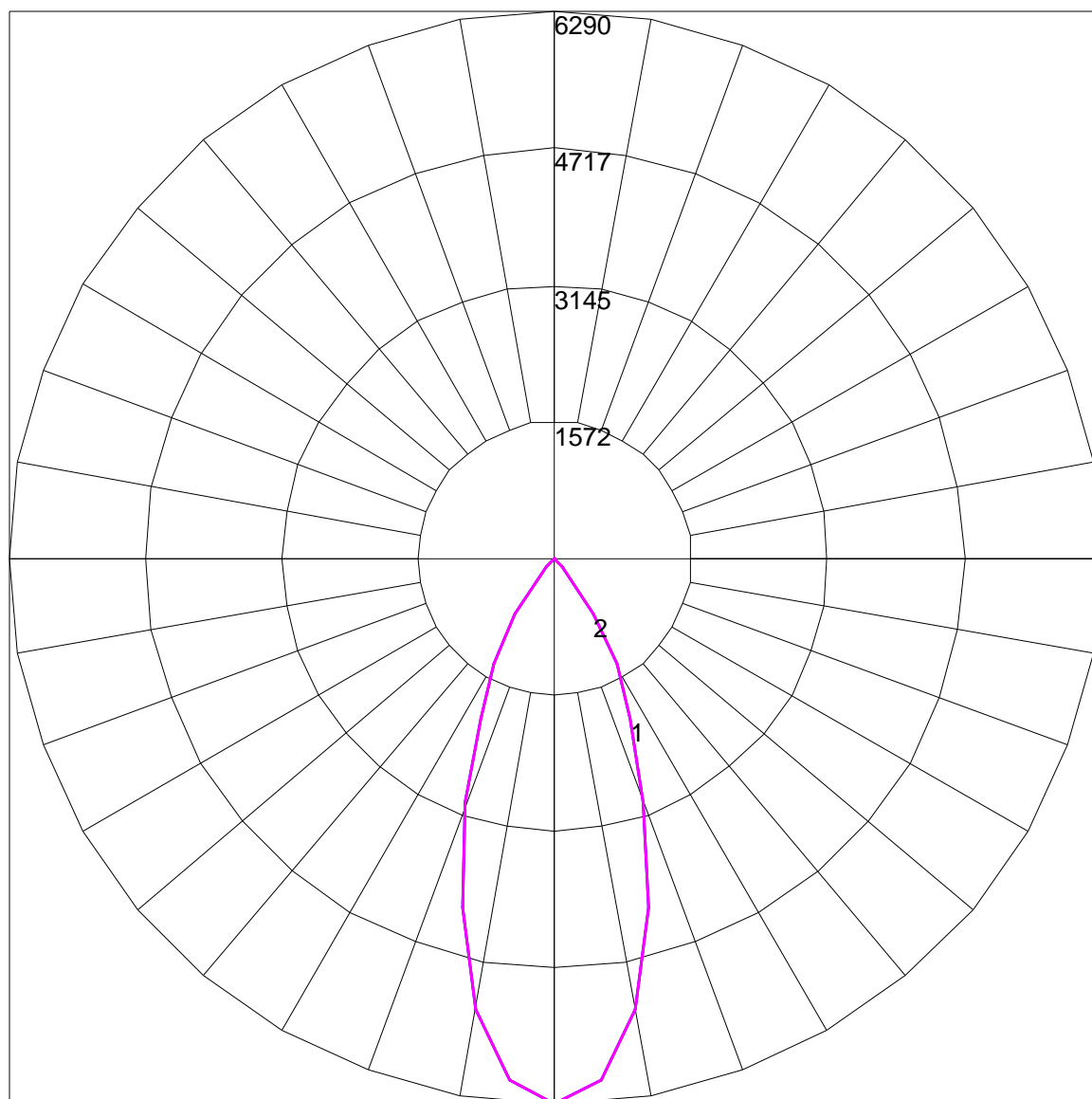
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6289.599 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)