

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_7 ~ C0412XT-40LXXK-MDEX-SOXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_7_M-40L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 5/31/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-40L-xxK-MD-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite Lens
 [OTHER] 28.2 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	2587
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.48
Spacing Criterion (90-270)	0.48
Spacing Criterion (Diagonal)	0.52
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.26 ft (Diameter)
Luminous Width (90-270)	0.26 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11896	12385	11347
55	3110	3413	3389
65	1922	1924	2395
75	1568	1687	1282
85	2727	4340	2481

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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	7861.022	7861.022	7861.022	7861.022	7861.022
5	7190.724	7150.290	7245.209	7120.326	7216.004
10	5457.959	5456.361	5469.897	5431.352	5484.344
15	3595.103	3615.981	3594.979	3601.965	3614.047
20	2229.987	2253.758	2233.366	2245.295	2244.951
25	1363.857	1377.255	1373.772	1378.533	1377.002
30	746.503	753.152	757.019	749.667	751.390
35	315.556	311.840	317.252	304.772	321.624
40	109.659	108.765	112.555	111.934	116.348
45	43.142	40.433	44.917	40.363	41.153
50	18.311	18.514	19.964	19.416	16.902
55	9.148	9.562	10.041	11.227	9.970
60	5.934	4.983	6.213	8.026	6.560
65	4.167	3.580	4.170	3.767	5.192
70	2.831	2.581	2.546	2.988	3.339
75	2.082	1.727	2.240	1.926	1.702
80	1.401	2.054	1.577	1.771	1.920
85	1.219	1.224	1.940	1.620	1.109
90	1.371	1.251	1.693	1.112	1.043

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Zone	Lumens	%Lamp	%Fixt
0-20	1651.26	N.A.	63.80
0-30	2299.87	N.A.	88.90
0-40	2527.59	N.A.	97.70
0-60	2578.42	N.A.	99.70
0-80	2584.92	N.A.	99.90
0-90	2586.57	N.A.	100.00
10-90	1954.7	N.A.	75.60
20-40	876.33	N.A.	33.90
20-50	917.05	N.A.	35.50
40-70	55.09	N.A.	2.10
60-80	6.50	N.A.	0.30
70-80	2.23	N.A.	0.10
80-90	1.65	N.A.	0.10
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	2586.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	631.87
10-20	1019.39
20-30	648.60
30-40	227.73
40-50	40.72
50-60	10.11
60-70	4.27
70-80	2.23
80-90	1.65
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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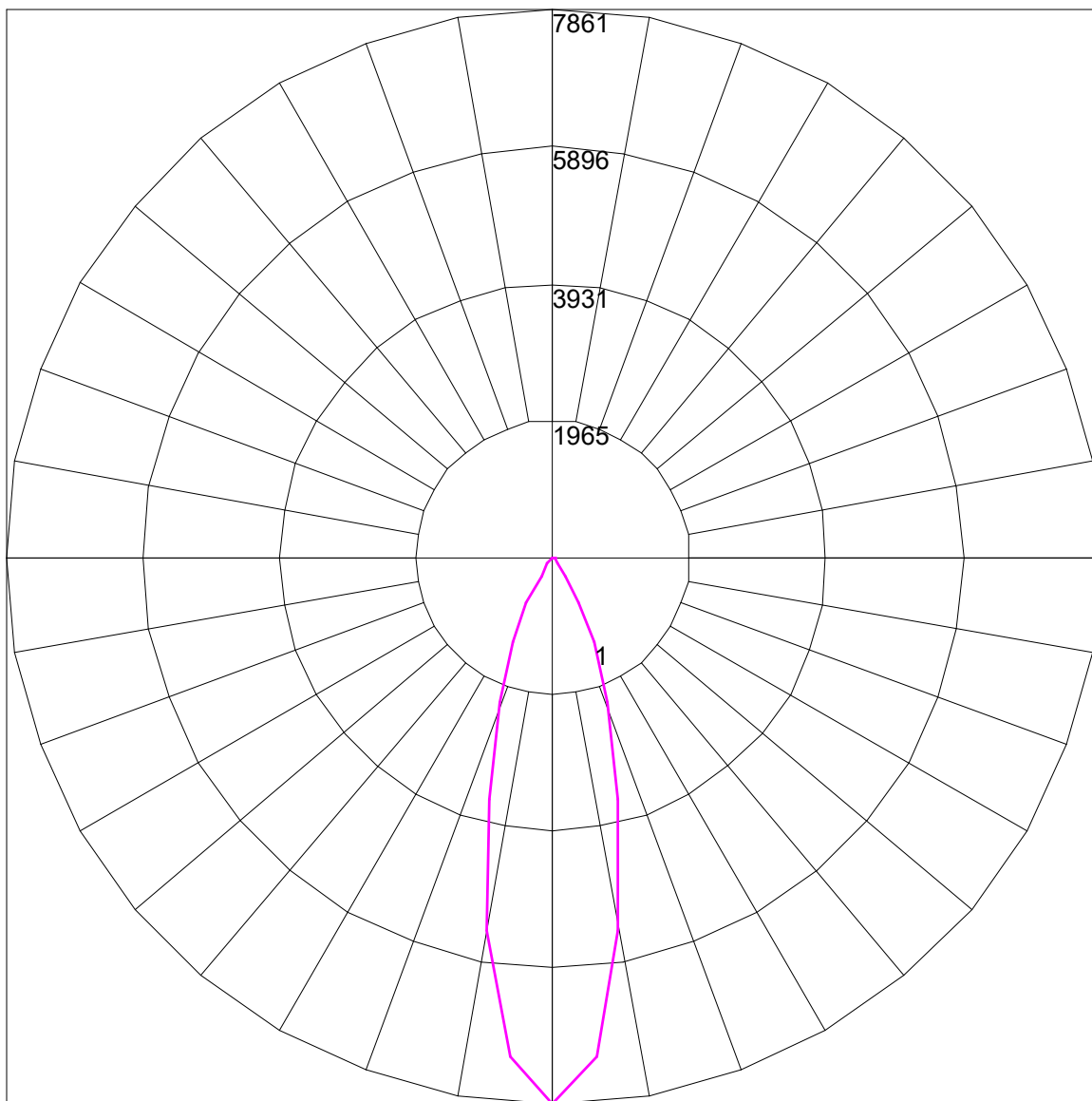
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	69	84	77	72	69	76	72	69	75	71	69	74	71	69	68
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65

POLAR GRAPH



Maximum Candela = 7861.022 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)