

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_10 ~ C0412XT-40LXXK-WDEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_10_M-40L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/1/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Wide Beam
 [LUMCAT] C0412XT-40L-xxK-WD-EX-NL-xx-MW
 [OTHER] Matte White finish, No lens
 [OTHER] 36.7 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	2733
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.62
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	452	779	419
55	575	674	506
65	460	450	848
75	857	534	536
85	2577	3351	2655

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_10 ~ C0412XT-40LXXK-WDEX-NLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	6420.865	6420.865	6420.865	6420.865	6420.865
5	6222.766	6164.815	6196.102	6154.194	6149.037
10	5466.489	5411.882	5454.171	5404.496	5413.757
15	4152.572	4141.085	4187.961	4125.507	4140.133
20	2746.516	2798.640	2780.959	2753.250	2744.788
25	1786.453	1819.239	1791.490	1796.359	1787.568
30	924.502	913.317	945.816	918.235	929.691
35	175.297	201.720	216.727	170.293	181.108
40	4.009	14.676	4.863	4.153	4.233
45	1.640	1.818	2.826	1.823	1.518
50	1.205	1.418	1.932	1.664	1.678
55	1.691	1.237	1.982	1.076	1.489
60	1.423	1.353	1.130	1.410	1.773
65	0.996	1.250	0.975	1.490	1.839
70	0.946	1.023	1.080	0.748	1.108
75	1.137	0.765	0.709	0.916	0.711
80	0.825	0.668	1.293	0.839	0.924
85	1.152	1.297	1.498	0.891	1.187
90	0.939	0.811	1.127	1.288	1.639

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Zone	Lumens	%Lamp	%Fixt
0-20	1704.1	N.A.	62.40
0-30	2528.02	N.A.	92.50
0-40	2725.78	N.A.	99.70
0-60	2729.51	N.A.	99.90
0-80	2731.66	N.A.	100.00
0-90	2732.88	N.A.	100.00
10-90	2167.22	N.A.	79.30
20-40	1021.68	N.A.	37.40
20-50	1024.07	N.A.	37.50
40-70	4.94	N.A.	0.20
60-80	2.15	N.A.	0.10
70-80	0.94	N.A.	0.00
80-90	1.22	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	2732.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	565.66
10-20	1138.45
20-30	823.92
30-40	197.76
40-50	2.39
50-60	1.33
60-70	1.22
70-80	0.94
80-90	1.22
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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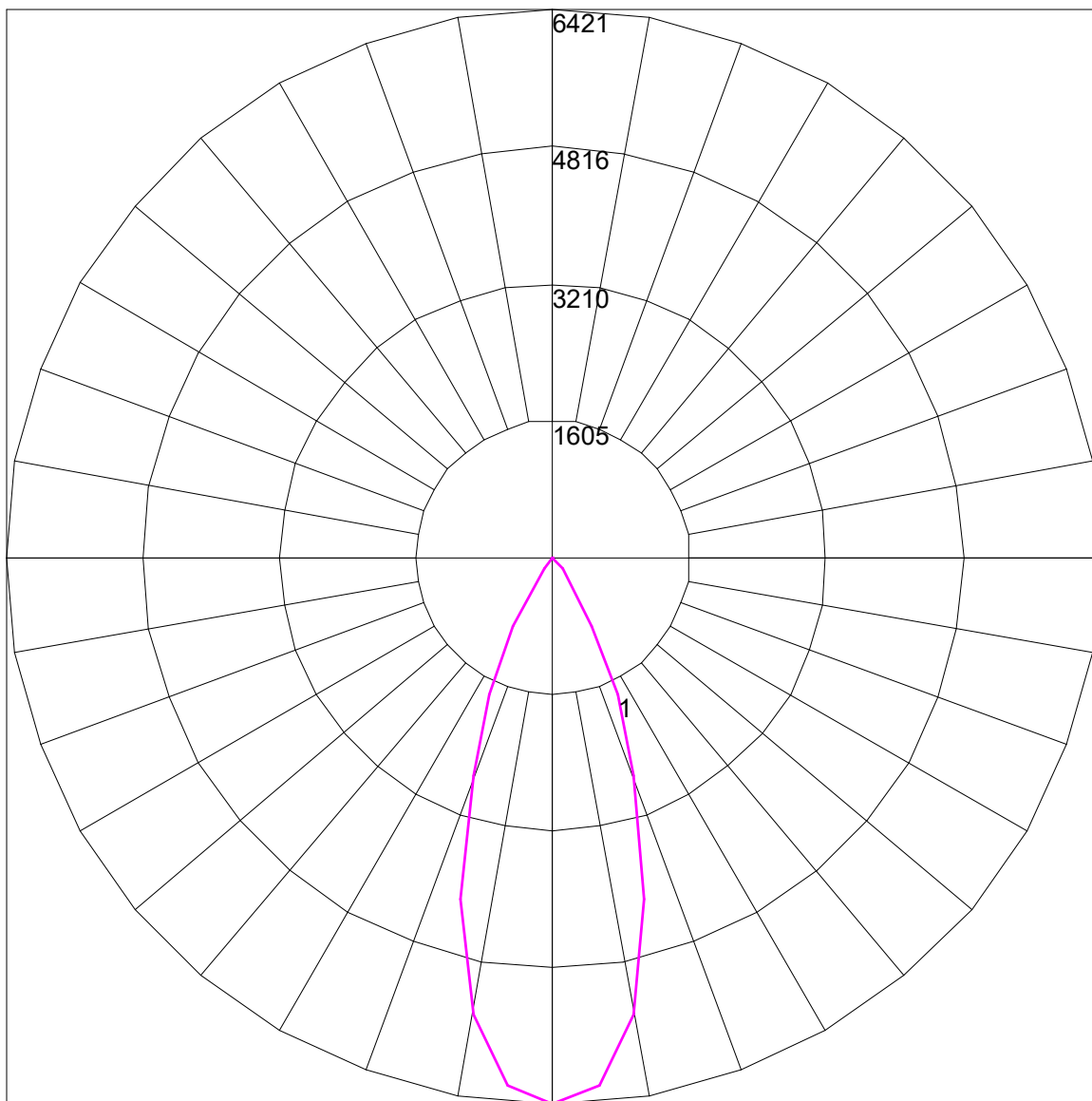
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	87	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	74	71	70
9	85	77	72	69	84	77	72	69	76	72	69	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

POLAR GRAPH



Maximum Candela = 6420.865 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)