

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_9 ~ C0412XT-40LXXK-WDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_9_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-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 37.5 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	2630
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
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	5286	5578	5621
55	3599	3800	3840
65	1027	721	591
75	1325	1144	1214
85	2671	3226	1398

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_9 ~ C0412XT-40LXXK-WDEX-GLXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	5979.349	5979.349	5979.349	5979.349	5979.349
5	5692.794	5680.645	5747.672	5728.668	5780.392
10	5012.188	4994.521	5069.973	5035.673	5097.512
15	3926.786	3875.799	3923.285	3878.603	3937.632
20	2674.627	2633.790	2637.205	2630.723	2652.472
25	1700.309	1703.132	1691.951	1706.525	1703.807
30	934.034	893.219	919.355	886.101	935.078
35	275.637	245.068	237.716	236.040	250.787
40	34.950	42.439	29.322	40.677	30.817
45	19.169	21.366	20.230	20.852	20.387
50	16.872	17.029	15.600	15.710	15.136
55	10.588	12.094	11.178	11.732	11.297
60	4.867	2.514	4.340	4.049	3.669
65	2.225	1.775	1.563	1.240	1.281
70	1.781	2.496	1.465	2.011	1.341
75	1.759	1.143	1.518	1.615	1.612
80	1.140	1.461	1.324	1.284	1.530
85	1.194	1.286	1.442	1.189	0.625
90	1.032	1.304	1.193	0.936	1.346

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Zone	Lumens	%Lamp	%Fixt
0-20	1594.59	N.A.	60.60
0-30	2380.21	N.A.	90.50
0-40	2597.14	N.A.	98.80
0-60	2624.6	N.A.	99.80
0-80	2628.43	N.A.	99.90
0-90	2629.77	N.A.	100.00
10-90	2104.87	N.A.	80.00
20-40	1002.55	N.A.	38.10
20-50	1020.49	N.A.	38.80
40-70	29.65	N.A.	1.10
60-80	3.83	N.A.	0.10
70-80	1.64	N.A.	0.10
80-90	1.34	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	2629.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	524.90
10-20	1069.69
20-30	785.62
30-40	216.93
40-50	17.94
50-60	9.53
60-70	2.18
70-80	1.64
80-90	1.34
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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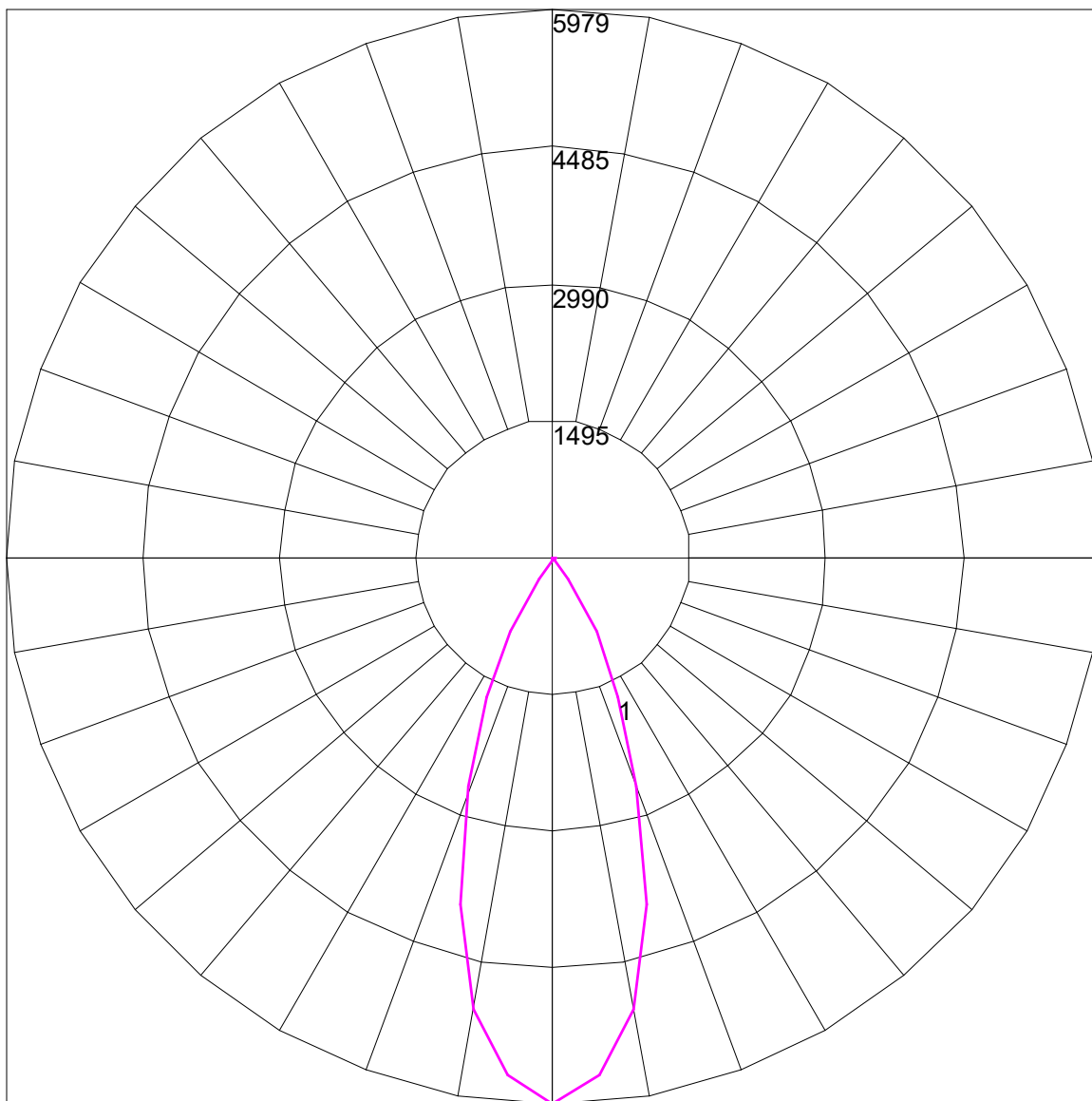
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	76	73	72
8	87	79	74	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	70	68	74	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	64	63

POLAR GRAPH



Maximum Candela = 5979.349 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)