

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-40LXXK-MDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_5_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. Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-40L-xxK-MD-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 26.8 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2670
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.48
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	3518	3424	3511
55	2684	2856	2687
65	1061	1152	1025
75	1043	905	1147
85	3841	1881	1561

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-40LXXK-MDEX-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	9030.313	9030.313	9030.313	9030.313	9030.313
5	8132.216	8156.055	8055.278	8237.244	8198.313
10	6020.851	6091.850	5886.414	6158.882	6057.792
15	3794.012	3831.375	3679.595	3862.713	3809.195
20	2257.052	2267.220	2193.750	2295.278	2284.924
25	1401.508	1389.688	1377.552	1423.193	1438.758
30	748.293	783.637	730.898	817.480	784.858
35	226.362	231.932	212.498	244.659	242.411
40	30.473	21.301	26.636	22.790	30.177
45	12.759	11.661	12.417	13.783	12.733
50	10.648	10.995	11.612	11.131	11.451
55	7.895	8.786	8.403	8.728	7.906
60	4.046	3.430	4.405	4.186	3.975
65	2.299	1.669	2.496	1.281	2.221
70	1.882	1.568	1.565	0.885	1.509
75	1.384	1.428	1.201	1.180	1.522
80	1.582	1.280	1.766	1.480	1.093
85	1.717	1.886	0.841	0.705	0.698
90	1.047	0.635	2.107	0.754	1.013

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Zone	Lumens	%Lamp	%Fixt
0-20	1795.56	N.A.	67.30
0-30	2454.9	N.A.	92.00
0-40	2645.71	N.A.	99.10
0-60	2664.7	N.A.	99.80
0-80	2668.45	N.A.	99.90
0-90	2669.79	N.A.	100.00
10-90	1956.47	N.A.	73.30
20-40	850.15	N.A.	31.80
20-50	861.99	N.A.	32.30
40-70	21.28	N.A.	0.80
60-80	3.75	N.A.	0.10
70-80	1.46	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	2669.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	713.32
10-20	1082.24
20-30	659.35
30-40	190.80
40-50	11.84
50-60	7.15
60-70	2.29
70-80	1.46
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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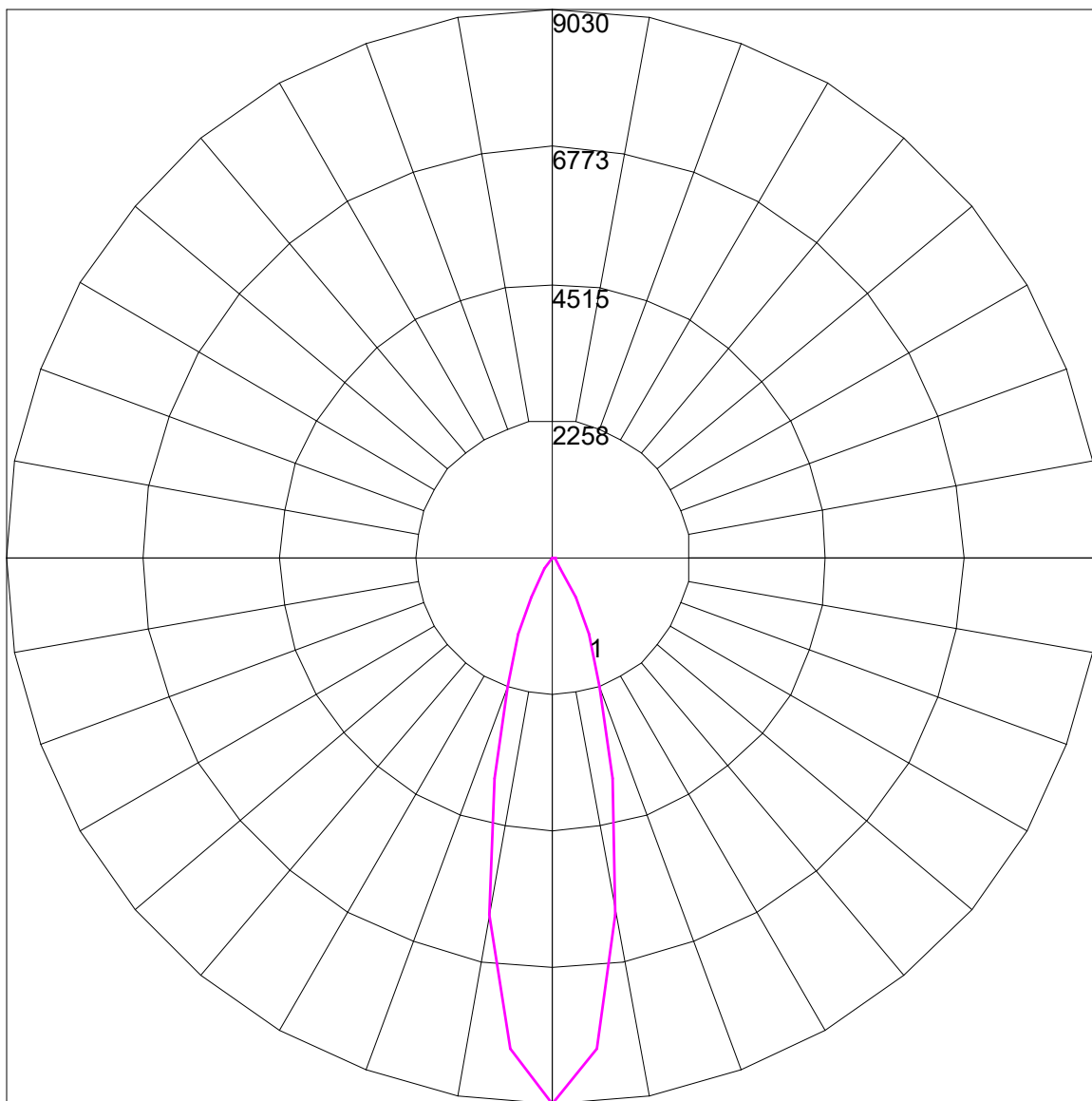
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	97	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

POLAR GRAPH



Maximum Candela = 9030.313 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)