

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_4 ~ C0412XT-40LXXK-MDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_4_M-40L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-40L-xxK-MD-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 26.6 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	2787
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
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)	0.50
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	2063	2704	3137
55	3001	4001	3582
65	1227	1652	1743
75	2078	1800	1941
85	3150	2119	3414

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_4 ~ C0412XT-40LXXK-MDEX-BBXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9483.897	9483.897	9483.897	9483.897	9483.897
5	8781.049	8566.342	8729.266	8556.686	8701.654
10	6369.177	6336.816	6443.986	6354.404	6435.216
15	3918.334	3983.643	4028.420	4006.016	4020.459
20	2323.388	2371.298	2380.329	2368.349	2363.529
25	1465.807	1496.269	1471.508	1481.308	1447.561
30	812.019	777.759	805.801	762.864	786.608
35	181.487	180.231	205.552	172.960	195.136
40	10.981	21.622	13.617	21.421	17.626
45	7.483	7.647	9.805	10.008	11.378
50	8.786	9.011	11.233	11.218	10.577
55	8.829	9.219	11.771	11.954	10.536
60	5.400	5.865	7.232	5.428	7.237
65	2.659	3.440	3.580	2.730	3.778
70	3.274	2.936	2.929	3.500	3.036
75	2.759	2.489	2.389	3.150	2.576
80	1.354	1.332	1.629	1.361	1.318
85	1.408	1.142	0.947	0.787	1.526
90	1.163	1.115	0.939	1.287	1.310

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Zone	Lumens	%Lamp	%Fixt
0-20	1894.72	N.A.	68.00
0-30	2584.08	N.A.	92.70
0-40	2761.51	N.A.	99.10
0-60	2778.89	N.A.	99.70
0-80	2785.42	N.A.	100.00
0-90	2786.71	N.A.	100.00
10-90	2032.17	N.A.	72.90
20-40	866.79	N.A.	31.10
20-50	875.72	N.A.	31.40
40-70	21.30	N.A.	0.80
60-80	6.52	N.A.	0.20
70-80	2.61	N.A.	0.10
80-90	1.29	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	2786.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	754.54
10-20	1140.19
20-30	689.36
30-40	177.43
40-50	8.93
50-60	8.45
60-70	3.91
70-80	2.61
80-90	1.29
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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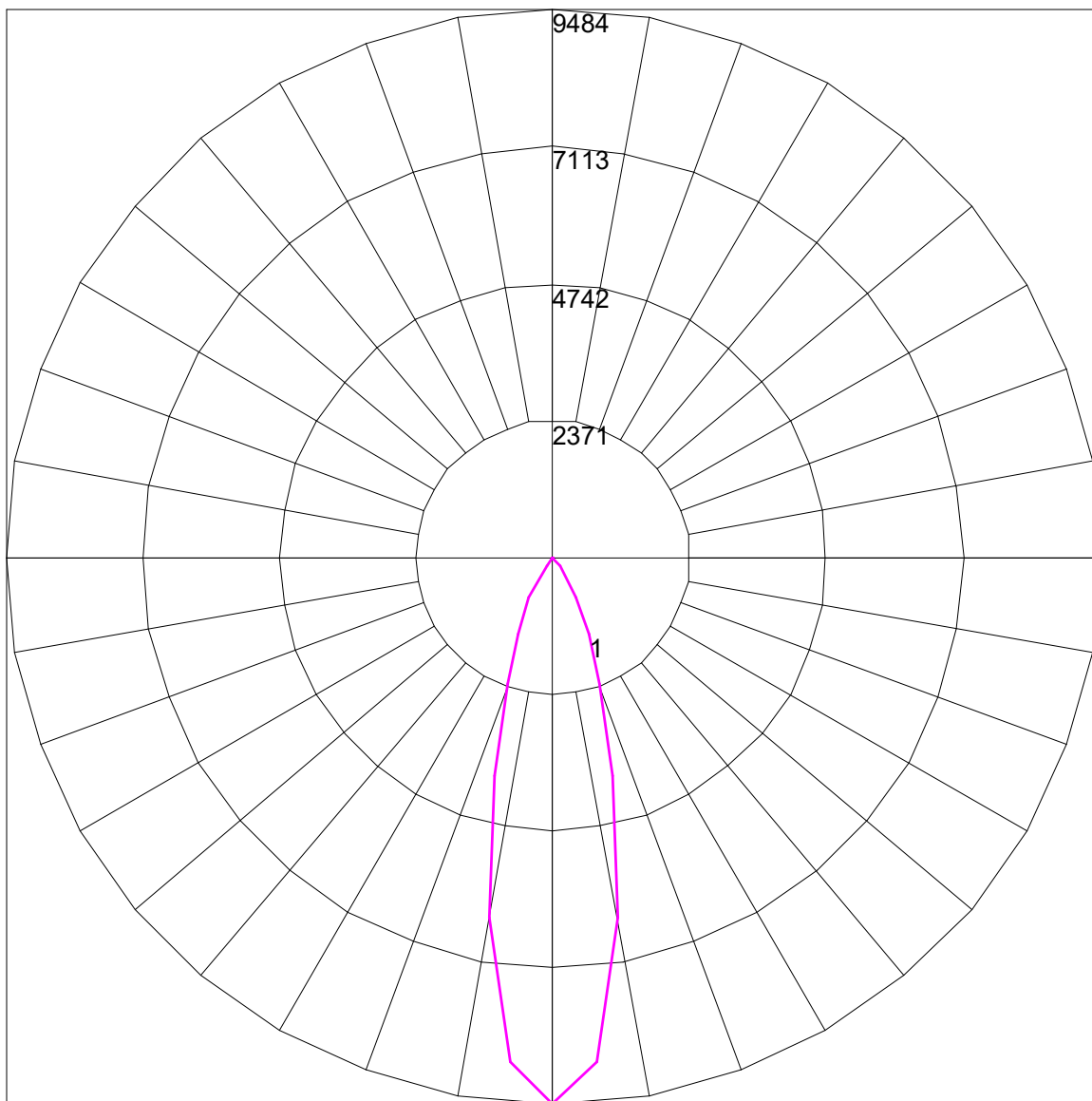
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	85
5	99	93	88	85	98	92	88	85	90	87	84	89	86	83	87	85	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	76	75
8	90	82	78	75	89	82	78	75	81	77	74	80	76	74	79	76	74	73
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	73	71	70
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68

POLAR GRAPH



Maximum Candela = 9483.897 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)