

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-40LXXK-NDEX-SOXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-0056_3_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, Narrow Beam
 [LUMCAT] C0412XT-40L-xxK-ND-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite lens
 [OTHER] 19.9 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	2708
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.38
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	9044	9373	10456
55	2284	1974	1794
65	1218	1266	986
75	1133	1724	1422
85	4385	3089	3277

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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	13356.257	13356.257	13356.257	13356.257	13356.257
5	11160.534	10921.241	11156.368	10981.155	11083.888
10	6513.504	6645.272	6587.458	6585.884	6588.458
15	3237.169	3407.878	3356.194	3332.433	3377.672
20	1732.495	1817.423	1811.402	1776.562	1826.985
25	1070.849	1115.795	1114.402	1111.778	1124.839
30	613.989	631.824	644.569	653.187	655.305
35	274.124	258.025	287.599	282.404	294.590
40	98.832	88.819	99.804	100.724	108.679
45	32.799	30.482	33.992	35.059	37.919
50	13.282	10.869	13.035	13.341	12.118
55	6.720	6.335	5.807	9.010	5.277
60	3.986	3.264	3.161	4.616	2.948
65	2.639	2.047	2.744	3.174	2.137
70	2.535	1.922	2.258	2.299	1.963
75	1.504	1.888	2.289	2.399	1.888
80	1.863	1.960	1.123	2.017	2.071
85	1.960	1.752	1.381	2.226	1.465
90	1.671	0.728	1.610	0.742	2.191

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Zone	Lumens	%Lamp	%Fixt
0-20	1936.71	N.A.	71.50
0-30	2463.11	N.A.	90.90
0-40	2661.26	N.A.	98.30
0-60	2701.63	N.A.	99.80
0-80	2706.49	N.A.	99.90
0-90	2708.28	N.A.	100.00
10-90	1785.61	N.A.	65.90
20-40	724.55	N.A.	26.80
20-50	758.33	N.A.	28.00
40-70	43.09	N.A.	1.60
60-80	4.86	N.A.	0.20
70-80	2.14	N.A.	0.10
80-90	1.79	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	2708.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	922.67
10-20	1014.04
20-30	526.40
30-40	198.15
40-50	33.78
50-60	6.60
60-70	2.72
70-80	2.14
80-90	1.79
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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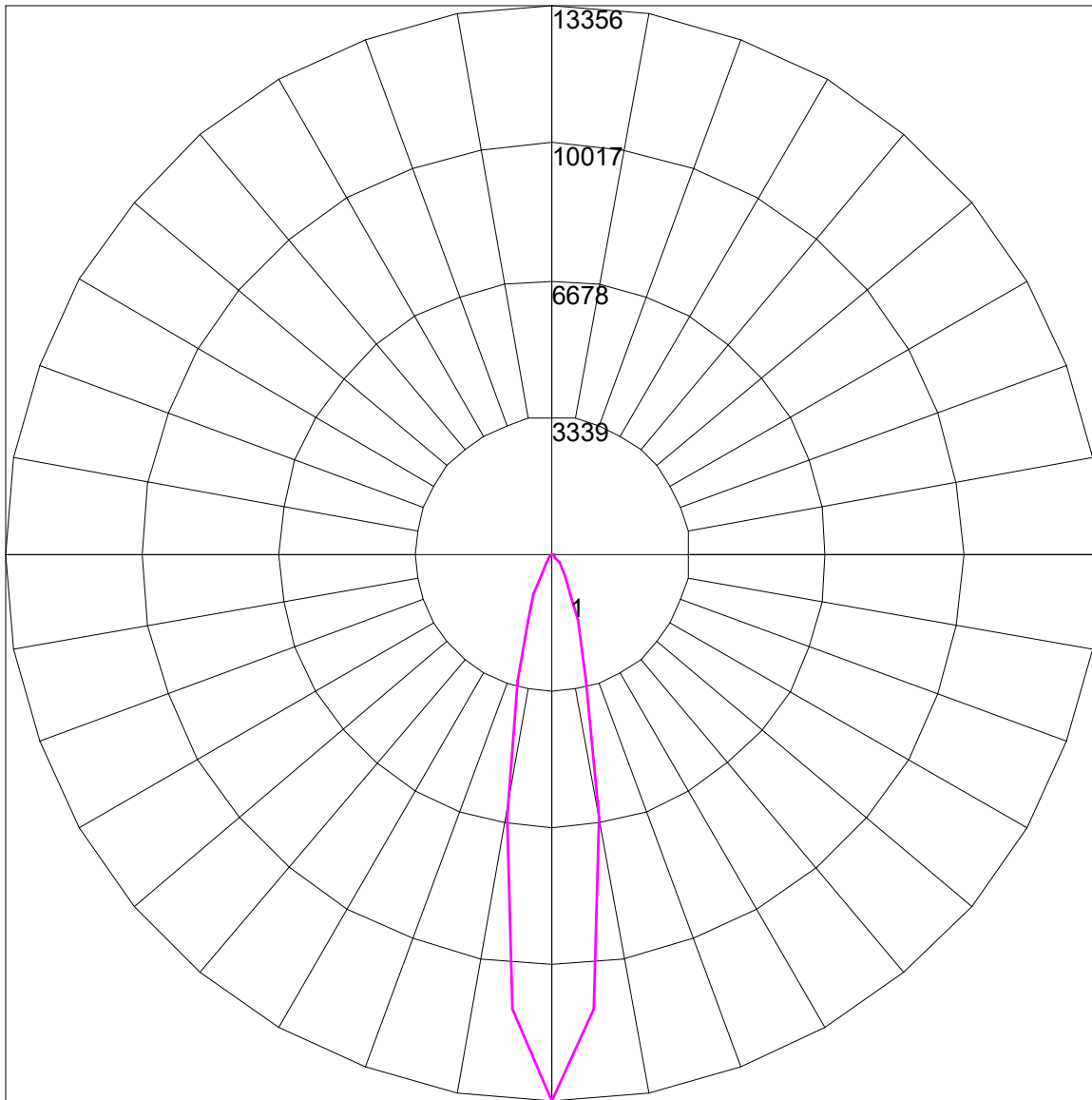
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	88	86	84	83
6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	79	76	81	78	76	75
9	89	81	77	74	88	81	77	74	80	77	74	79	76	74	79	76	73	72
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70

POLAR GRAPH



Maximum Candela = 13356.257 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)