

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_2 ~ C0412XT-30LXXK-NDEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_2_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/5/2017
 [LUMINAIRE] 4"Nom. Diam x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-30L-xxK-ND-EX-NL-xx-MW
 [OTHER] Matte White finish, No lens
 [OTHER] 18 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	2308
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.32
Spacing Criterion (Diagonal)	0.34
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	484	253	442
55	289	193	437
65	599	358	443
75	539	581	609
85	937	1881	935

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_2 ~ C0412XT-30LXXK-NDEX-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	14069.683	14069.683	14069.683	14069.683	14069.683
5	11288.131	11434.537	11293.818	11371.866	11190.133
10	5962.576	5967.791	5997.275	5962.430	5981.092
15	2580.080	2606.295	2645.109	2625.507	2685.178
20	1327.921	1340.221	1375.958	1383.661	1424.096
25	875.678	898.357	907.133	928.747	943.076
30	492.520	515.222	520.012	546.457	545.755
35	126.218	121.788	133.629	136.914	154.763
40	3.532	2.282	2.583	2.867	4.620
45	1.754	0.902	0.919	0.944	1.603
50	0.934	1.047	0.632	0.676	1.665
55	0.850	0.435	0.569	1.094	1.285
60	0.891	0.697	0.829	0.970	1.190
65	1.298	1.170	0.776	0.820	0.961
70	1.023	0.497	0.935	0.658	0.604
75	0.716	0.427	0.771	0.706	0.809
80	1.036	1.785	0.915	0.994	0.978
85	0.419	0.752	0.841	0.515	0.418
90	0.870	0.314	0.690	0.710	1.006

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Zone	Lumens	%Lamp	%Fixt
0-20	1762.56	N.A.	76.40
0-30	2183.41	N.A.	94.60
0-40	2303.09	N.A.	99.80
0-60	2305.01	N.A.	99.90
0-80	2306.75	N.A.	100.00
0-90	2307.59	N.A.	100.00
10-90	1384.67	N.A.	60.00
20-40	540.53	N.A.	23.40
20-50	541.69	N.A.	23.50
40-70	2.80	N.A.	0.10
60-80	1.74	N.A.	0.10
70-80	0.86	N.A.	0.00
80-90	0.85	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	2307.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	922.92
10-20	839.63
20-30	420.86
30-40	119.67
40-50	1.16
50-60	0.76
60-70	0.88
70-80	0.86
80-90	0.85
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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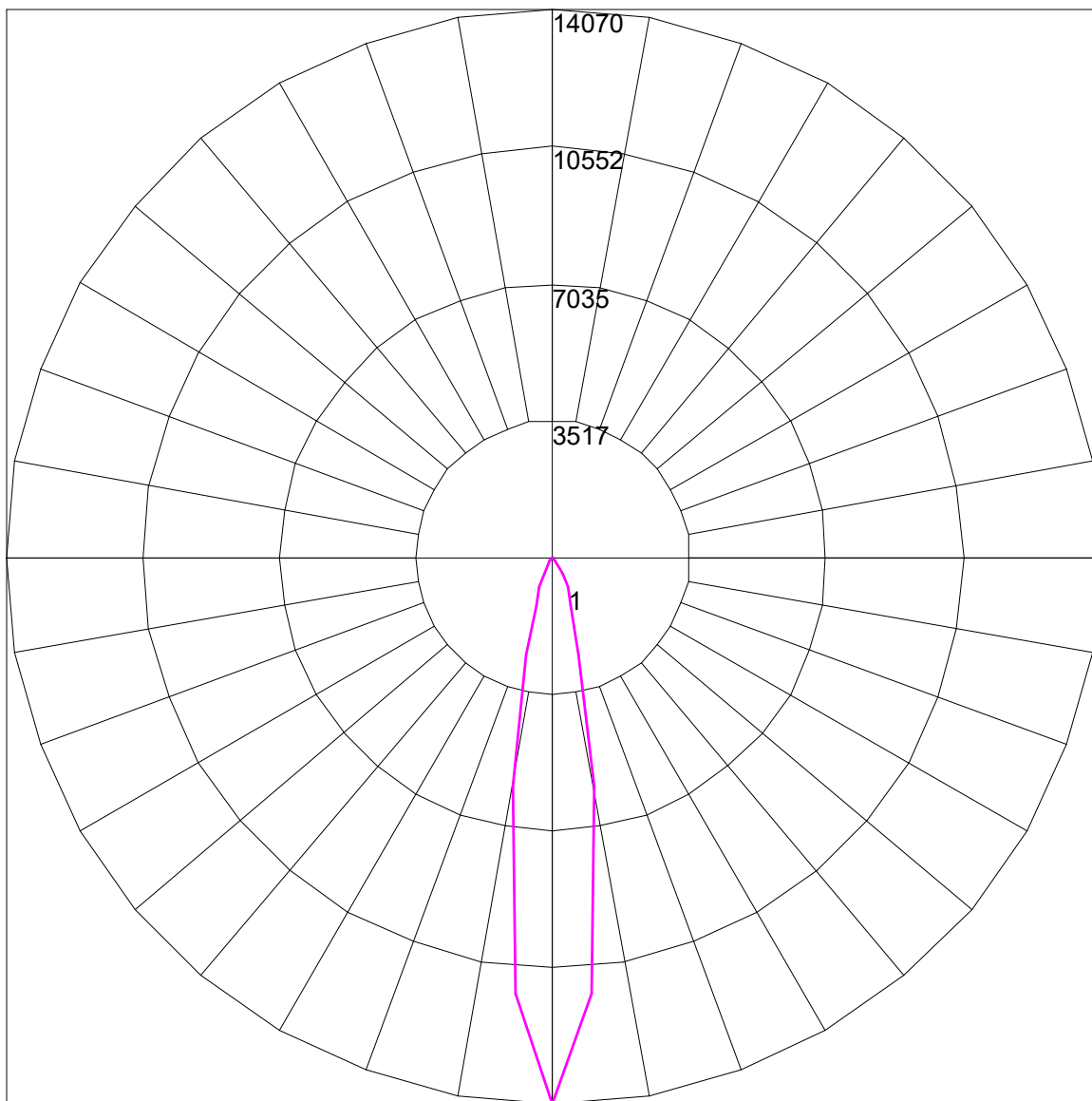
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	95	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	89	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80
8	93	87	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 14069.683 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)