

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_9 ~ C0412XT-30LXXK-WDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_9_M-30L
 [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-30L-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	2049
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	32.6
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	4119	4347	4380
55	2805	2961	2992
65	800	562	460
75	1032	891	946
85	2083	2515	1089

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_9 ~ C0412XT-30LXXK-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	4659.233	4659.233	4659.233	4659.233	4659.233
5	4435.944	4426.477	4478.706	4463.898	4504.202
10	3905.601	3891.835	3950.629	3923.901	3972.087
15	3059.833	3020.103	3057.105	3022.288	3068.285
20	2084.125	2052.304	2054.965	2049.914	2066.861
25	1324.916	1327.116	1318.403	1329.760	1327.642
30	727.819	696.015	716.381	690.468	728.632
35	214.782	190.962	185.233	183.927	195.419
40	27.234	33.069	22.848	31.696	24.013
45	14.937	16.649	15.764	16.248	15.886
50	13.147	13.269	12.156	12.242	11.794
55	8.251	9.424	8.710	9.142	8.803
60	3.793	1.959	3.382	3.155	2.859
65	1.733	1.383	1.218	0.967	0.998
70	1.388	1.945	1.141	1.567	1.045
75	1.370	0.891	1.183	1.259	1.256
80	0.888	1.138	1.031	1.000	1.192
85	0.931	1.002	1.124	0.926	0.487
90	0.804	1.016	0.930	0.730	1.049

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Zone	Lumens	%Lamp	%Fixt
0-20	1242.53	N.A.	60.60
0-30	1854.71	N.A.	90.50
0-40	2023.74	N.A.	98.80
0-60	2045.14	N.A.	99.80
0-80	2048.13	N.A.	99.90
0-90	2049.17	N.A.	100.00
10-90	1640.16	N.A.	80.00
20-40	781.21	N.A.	38.10
20-50	795.18	N.A.	38.80
40-70	23.10	N.A.	1.10
60-80	2.98	N.A.	0.10
70-80	1.28	N.A.	0.10
80-90	1.05	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	2049.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	409.01
10-20	833.52
20-30	612.17
30-40	169.04
40-50	13.98
50-60	7.42
60-70	1.70
70-80	1.28
80-90	1.05
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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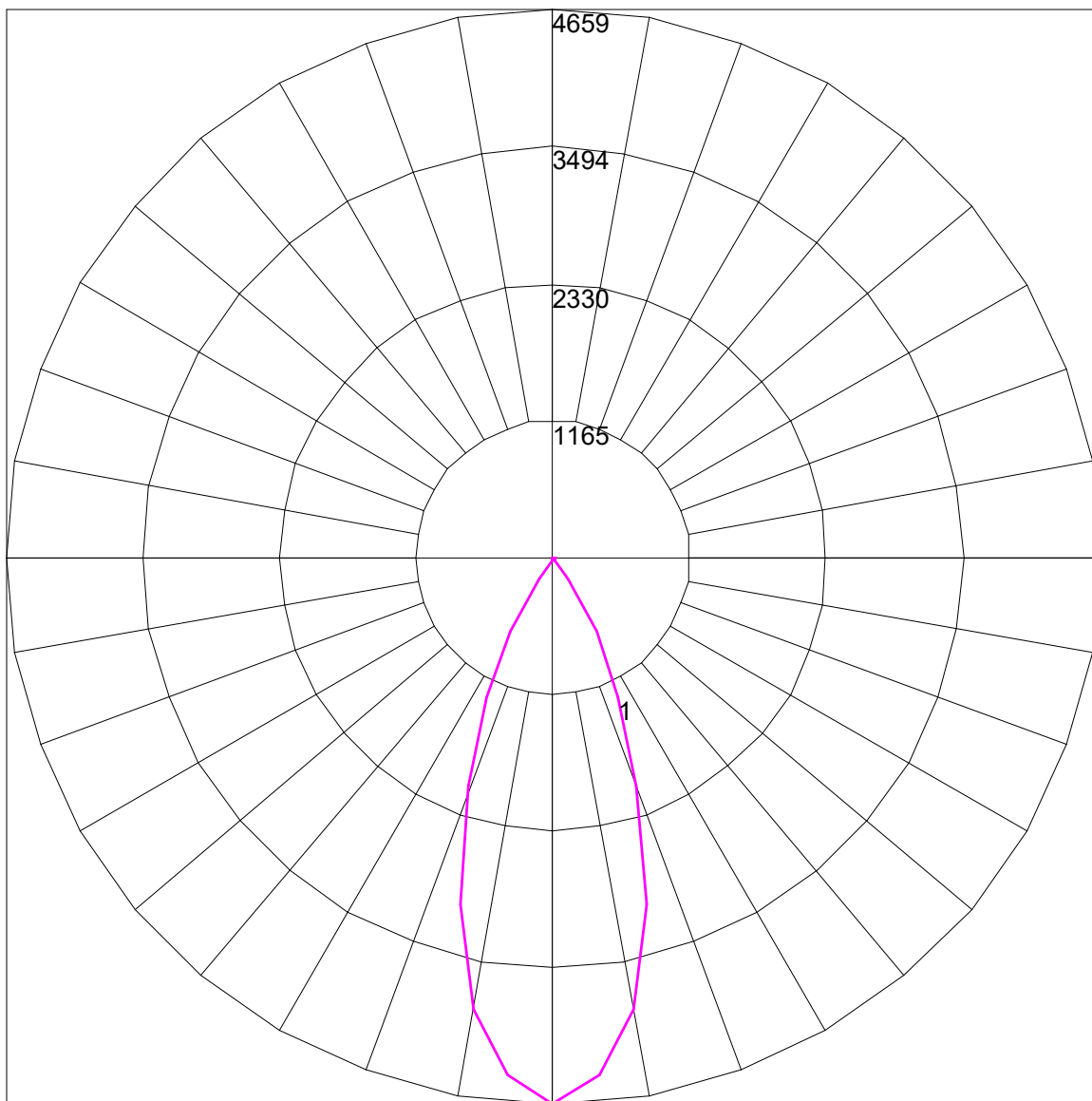
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4659.233 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)