

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_9 ~ C0412XT-20LXXK-WDEX-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_9_M-20L
 [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-20L-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	1366
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	21.7
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	2746	2898	2920
55	1870	1974	1995
65	533	375	307
75	689	594	631
85	1387	1676	727

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_9 ~ C0412XT-20LXXK-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	3106.155	3106.155	3106.155	3106.155	3106.155
5	2957.296	2950.984	2985.804	2975.932	3002.801
10	2603.734	2594.556	2633.752	2615.934	2648.058
15	2039.889	2013.402	2038.070	2014.859	2045.523
20	1389.417	1368.203	1369.976	1366.609	1377.908
25	883.278	884.744	878.936	886.506	885.094
30	485.212	464.010	477.587	460.312	485.755
35	143.188	127.308	123.489	122.618	130.279
40	18.156	22.046	15.232	21.131	16.009
45	9.958	11.099	10.509	10.832	10.591
50	8.765	8.846	8.104	8.161	7.863
55	5.500	6.282	5.807	6.094	5.868
60	2.528	1.306	2.254	2.104	1.906
65	1.156	0.922	0.812	0.644	0.665
70	0.925	1.296	0.761	1.045	0.696
75	0.914	0.594	0.788	0.839	0.838
80	0.592	0.759	0.688	0.667	0.795
85	0.620	0.668	0.749	0.618	0.325
90	0.536	0.678	0.620	0.486	0.699

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Zone	Lumens	%Lamp	%Fixt
0-20	828.36	N.A.	60.60
0-30	1236.47	N.A.	90.50
0-40	1349.16	N.A.	98.80
0-60	1363.43	N.A.	99.80
0-80	1365.42	N.A.	99.90
0-90	1366.11	N.A.	100.00
10-90	1093.44	N.A.	80.00
20-40	520.81	N.A.	38.10
20-50	530.12	N.A.	38.80
40-70	15.40	N.A.	1.10
60-80	1.99	N.A.	0.10
70-80	0.85	N.A.	0.10
80-90	0.70	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	1366.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	272.67
10-20	555.68
20-30	408.11
30-40	112.69
40-50	9.32
50-60	4.95
60-70	1.13
70-80	0.85
80-90	0.70
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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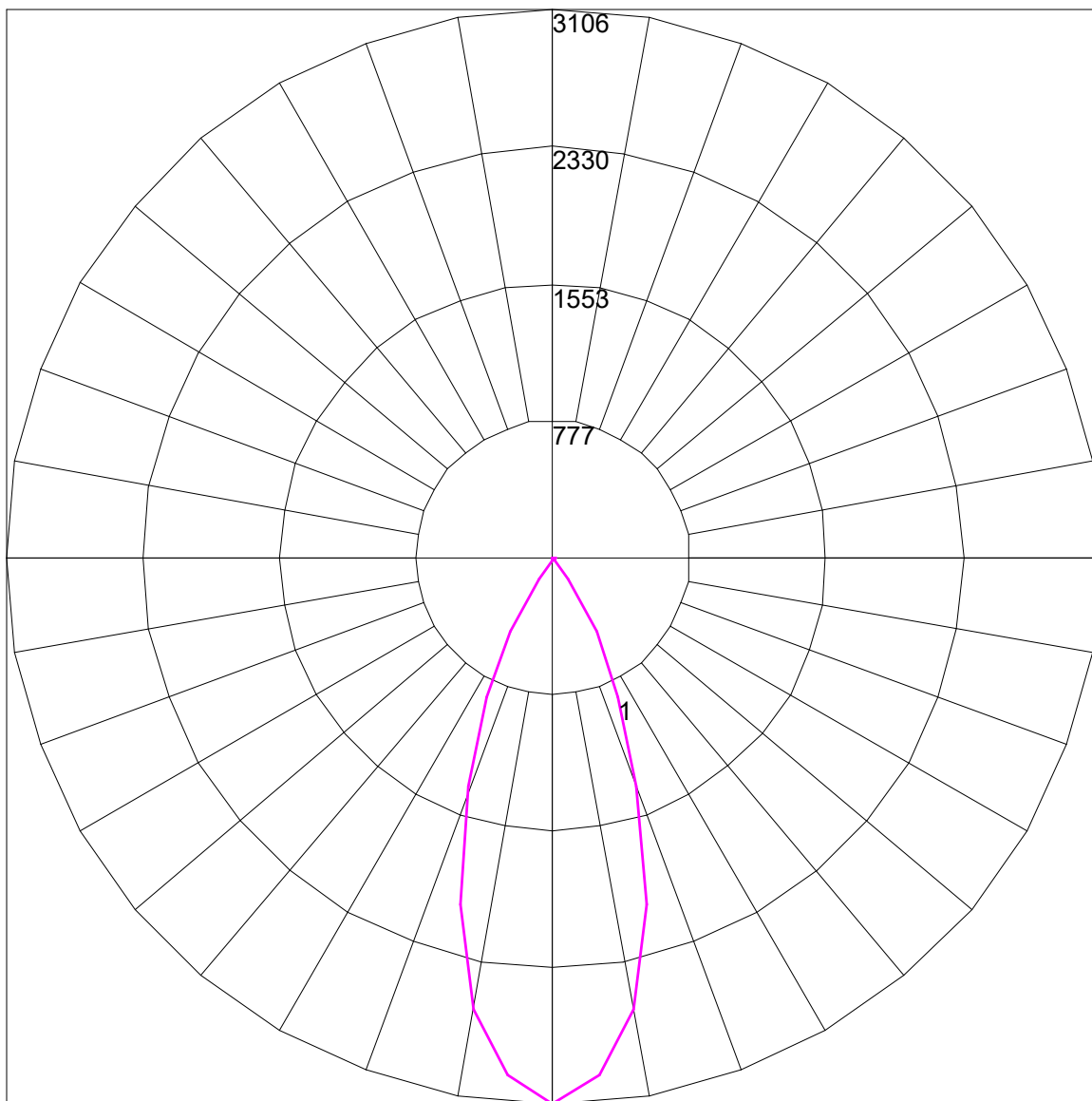
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 3106.155 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)