

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_12 ~ C0412XT-13LXXK-XWEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_12_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Xtra Wide Beam
 [LUMCAT] C0412XT-13L-xxK-XW-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 53.9 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	972
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.82
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	3736	4569	5428
55	374	406	539
65	368	495	550
75	544	660	979
85	463	1154	1150

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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	1337.794	1337.794	1337.794	1337.794	1337.794
5	1311.176	1313.590	1314.540	1312.530	1309.820
10	1244.803	1249.524	1243.845	1244.113	1234.055
15	1157.010	1165.382	1155.778	1156.587	1143.365
20	1015.081	1032.732	1020.734	1030.189	1014.727
25	789.380	820.564	803.235	832.797	810.141
30	476.699	496.051	496.540	523.876	514.232
35	178.188	180.422	191.356	209.005	208.834
40	50.993	54.653	55.609	65.908	64.260
45	13.549	15.024	16.570	19.237	19.686
50	3.011	3.284	3.422	4.698	4.735
55	1.099	1.050	1.195	1.309	1.586
60	0.829	1.355	1.195	1.072	1.396
65	0.798	0.923	1.074	0.944	1.193
70	0.823	0.816	0.999	0.842	1.314
75	0.722	0.657	0.876	0.757	1.299
80	0.426	0.314	0.448	0.582	0.473
85	0.207	0.400	0.516	0.437	0.514
90	0.463	0.213	0.486	0.273	0.444

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Zone	Lumens	%Lamp	%Fixt
0-20	445.39	N.A.	45.80
0-30	804.92	N.A.	82.80
0-40	949.54	N.A.	97.70
0-60	969.32	N.A.	99.80
0-80	971.13	N.A.	100.00
0-90	971.58	N.A.	100.00
10-90	848.42	N.A.	87.30
20-40	504.15	N.A.	51.90
20-50	522.27	N.A.	53.80
40-70	20.79	N.A.	2.10
60-80	1.81	N.A.	0.20
70-80	0.80	N.A.	0.10
80-90	0.45	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	971.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	123.16
10-20	322.23
20-30	359.53
30-40	144.62
40-50	18.12
50-60	1.65
60-70	1.01
70-80	0.80
80-90	0.45
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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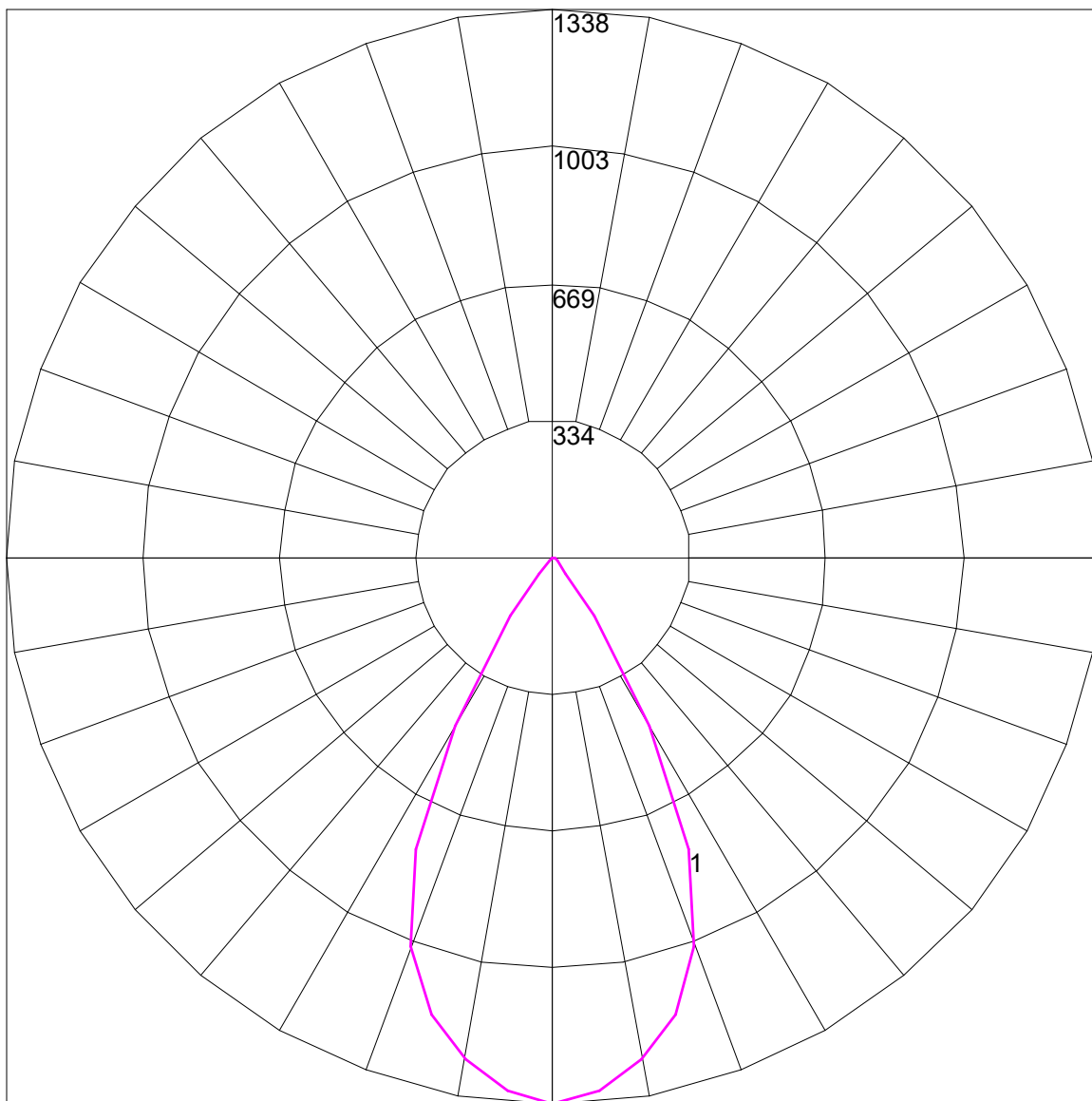
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	82	80	79
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74
6	91	82	77	73	89	82	76	73	80	76	72	79	75	72	78	74	71	70
7	87	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	68	65	82	73	68	65	72	68	64	71	67	64	70	67	64	62
9	79	70	65	61	78	70	65	61	69	64	61	68	64	61	67	63	60	59
10	76	67	62	58	75	66	61	58	66	61	58	65	61	58	64	60	57	56

POLAR GRAPH



Maximum Candela = 1337.794 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)