

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_12 ~ C0412XT-20LXXK-XWEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_12_M-20L
 [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-20L-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	1495
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	21.7
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	5747	7029	8351
55	574	625	829
65	567	762	847
75	836	1015	1506
85	711	1776	1767

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_12 ~ C0412XT-20LXXK-XWEX-BBXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2058.144	2058.144	2058.144	2058.144	2058.144
5	2017.194	2020.908	2022.369	2019.277	2015.107
10	1915.082	1922.345	1913.607	1914.021	1898.546
15	1780.015	1792.896	1778.120	1779.365	1759.023
20	1561.663	1588.818	1570.361	1584.906	1561.119
25	1214.430	1262.406	1235.746	1281.227	1246.371
30	733.382	763.155	763.908	805.963	791.127
35	274.136	277.572	294.394	321.546	321.283
40	78.451	84.081	85.552	101.396	98.861
45	20.844	23.114	25.492	29.596	30.286
50	4.632	5.052	5.265	7.227	7.284
55	1.690	1.616	1.838	2.014	2.440
60	1.276	2.085	1.838	1.649	2.148
65	1.228	1.420	1.652	1.452	1.835
70	1.266	1.255	1.537	1.296	2.022
75	1.110	1.010	1.348	1.164	1.999
80	0.655	0.483	0.690	0.895	0.728
85	0.318	0.616	0.794	0.672	0.790
90	0.713	0.328	0.748	0.420	0.683

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Zone	Lumens	%Lamp	%Fixt
0-20	685.22	N.A.	45.80
0-30	1238.34	N.A.	82.80
0-40	1460.83	N.A.	97.70
0-60	1491.26	N.A.	99.80
0-80	1494.04	N.A.	100.00
0-90	1494.74	N.A.	100.00
10-90	1305.26	N.A.	87.30
20-40	775.61	N.A.	51.90
20-50	803.49	N.A.	53.80
40-70	31.98	N.A.	2.10
60-80	2.79	N.A.	0.20
70-80	1.23	N.A.	0.10
80-90	0.70	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	1494.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.48
10-20	495.75
20-30	553.12
30-40	222.49
40-50	27.88
50-60	2.54
60-70	1.56
70-80	1.23
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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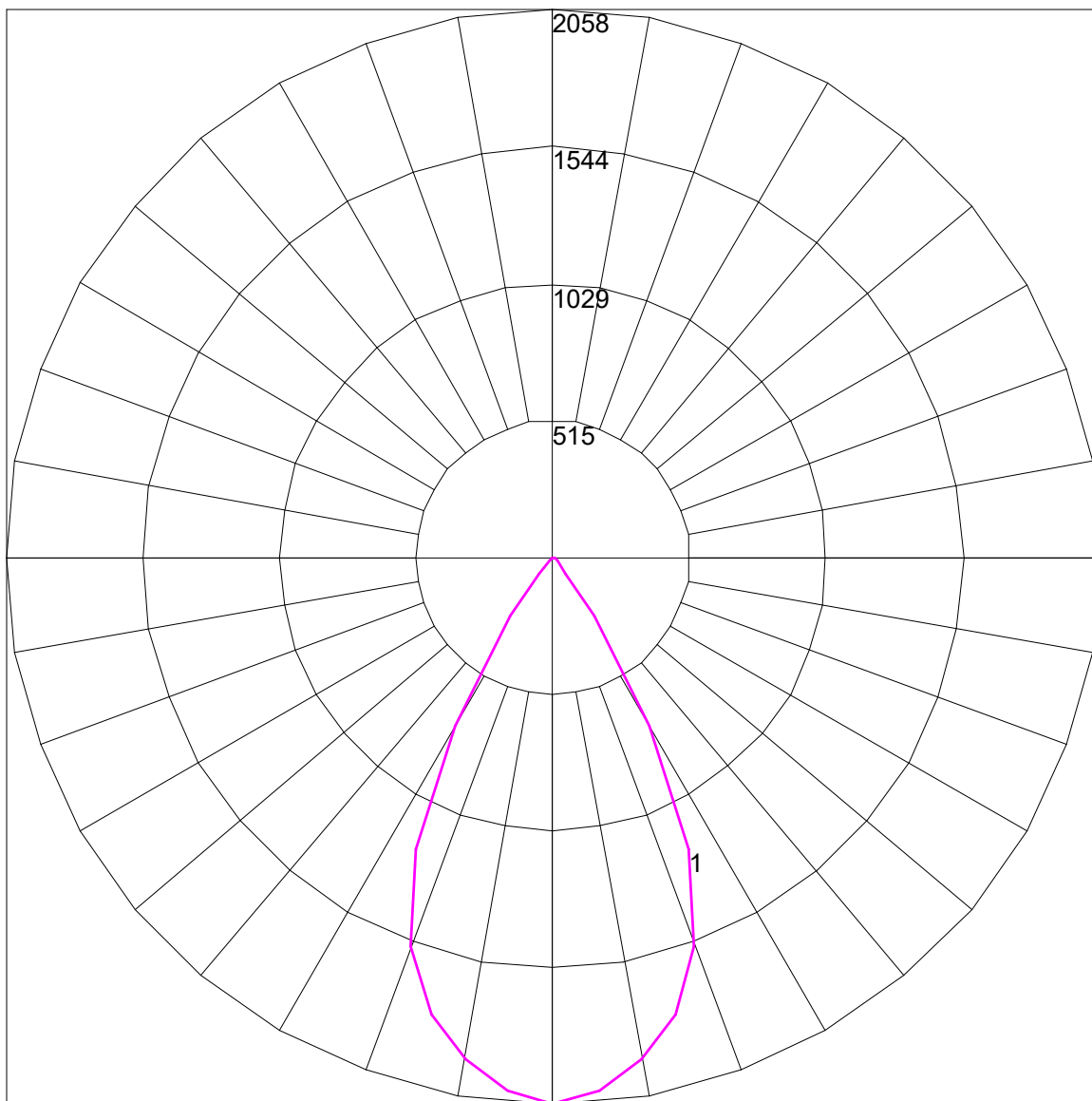
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	90	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	63
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 = 2058.144 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)