

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

IESNA:LM-63-2002
 [TEST] SP-00567_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, Narrow Beam
 [LUMCAT] C0412XT-20L-xxK-NDxEX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 16.5 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	1512
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	21.7
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	502	709	425
55	934	786	630
65	907	272	382
75	725	368	395
85	738	1347	1219

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9133.332	9133.332	9133.332	9133.332	9133.332
5	7393.600	7126.296	7417.816	7126.485	7401.153
10	3852.162	3826.710	3829.113	3868.385	3694.652
15	1711.684	1723.309	1704.647	1735.260	1602.810
20	910.046	906.091	892.294	907.410	864.000
25	613.614	630.216	616.422	627.576	609.897
30	367.781	364.727	374.013	363.098	371.228
35	104.464	75.975	110.724	92.896	103.306
40	6.840	3.617	8.046	9.745	4.571
45	1.821	1.805	2.572	1.444	1.543
50	1.943	2.150	1.299	2.456	1.490
55	2.749	2.652	2.313	1.688	1.854
60	2.764	1.764	1.995	3.324	1.798
65	1.966	0.980	0.589	1.214	0.827
70	0.985	0.703	0.673	0.690	0.517
75	0.962	0.608	0.488	1.028	0.525
80	0.838	0.378	0.777	0.624	0.332
85	0.330	0.312	0.602	0.750	0.545
90	0.984	0.777	0.387	0.506	0.187

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567 ~ C0412XT-20LXXK-NDEX-BBXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1135.39	N.A.	75.10
0-30	1419.98	N.A.	93.90
0-40	1505.39	N.A.	99.50
0-60	1509.72	N.A.	99.80
0-80	1511.7	N.A.	100.00
0-90	1512.31	N.A.	100.00
10-90	919.47	N.A.	60.80
20-40	370.00	N.A.	24.50
20-50	372.36	N.A.	24.60
40-70	5.59	N.A.	0.40
60-80	1.99	N.A.	0.10
70-80	0.72	N.A.	0.00
80-90	0.60	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	1512.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	592.84
10-20	542.56
20-30	284.59
30-40	85.41
40-50	2.37
50-60	1.96
60-70	1.27
70-80	0.72
80-90	0.60
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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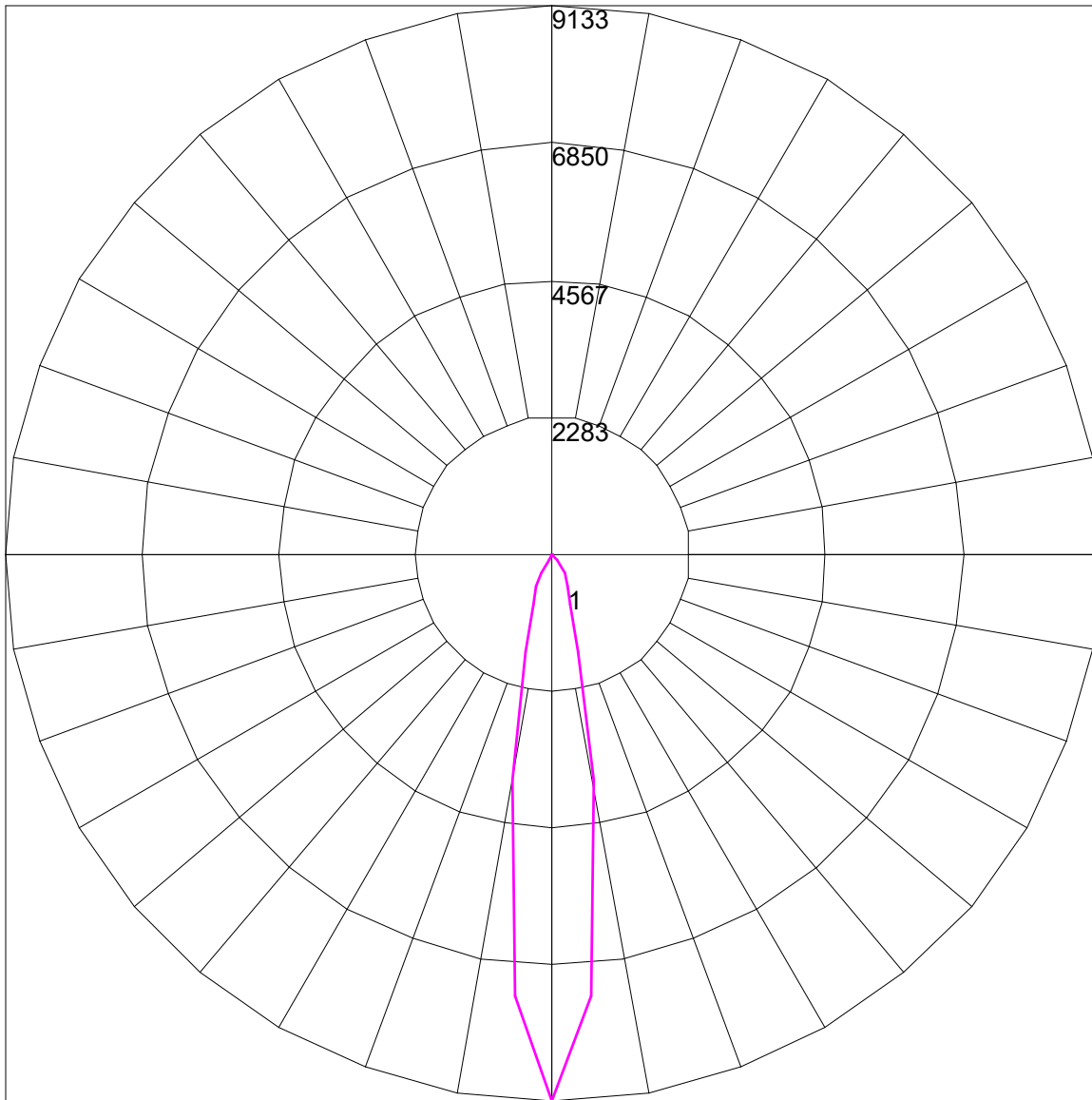
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

POLAR GRAPH



Maximum Candela = 9133.332 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)