

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P631446

Luminaire Tested: GWS-SA1F-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631446
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8048 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

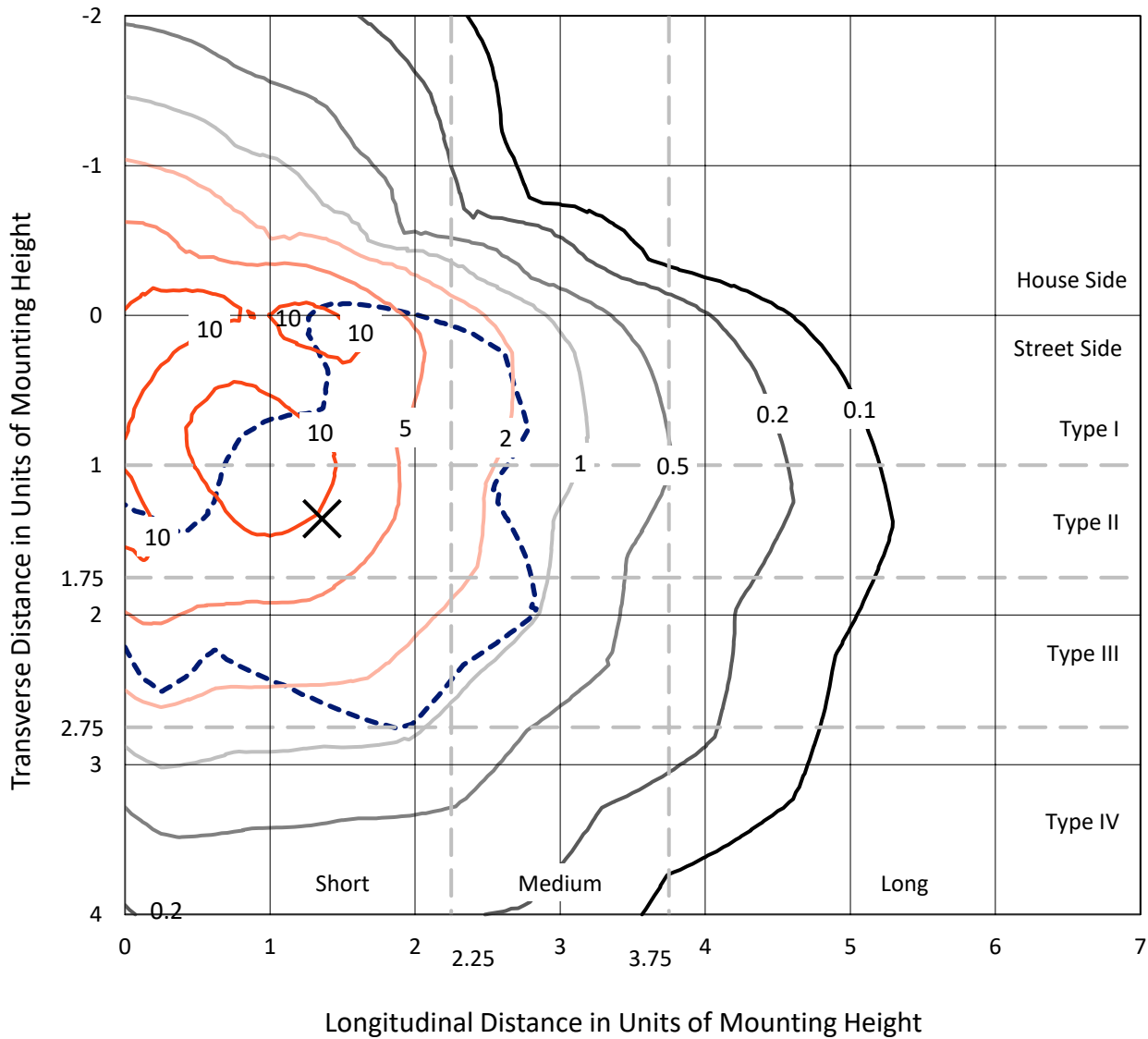
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

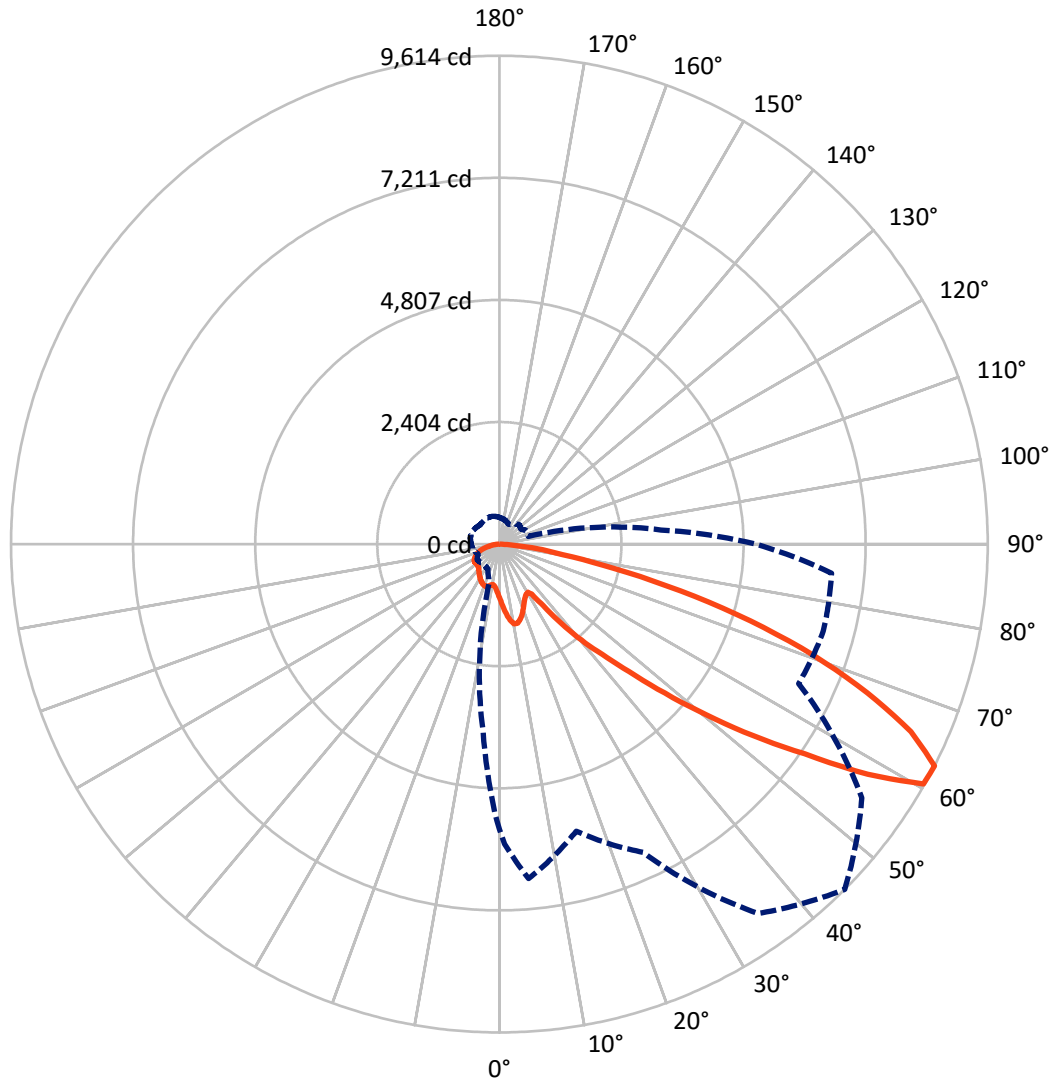
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1920.4	0.0	1920.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6127.6	0.0	6127.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	8048.0	0.0	8048.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.3	1.3
10°-20°	327.0	4.1
20°-30°	507.9	6.3
30°-40°	689.6	8.6
40°-50°	1093.0	13.6
50°-60°	1928.1	24.0
60°-70°	2145.3	26.7
70°-80°	1088.0	13.5
80°-90°	164.7	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8048.0	100.0
0°-180°	8048.0	100.0

Coefficient of Utilization



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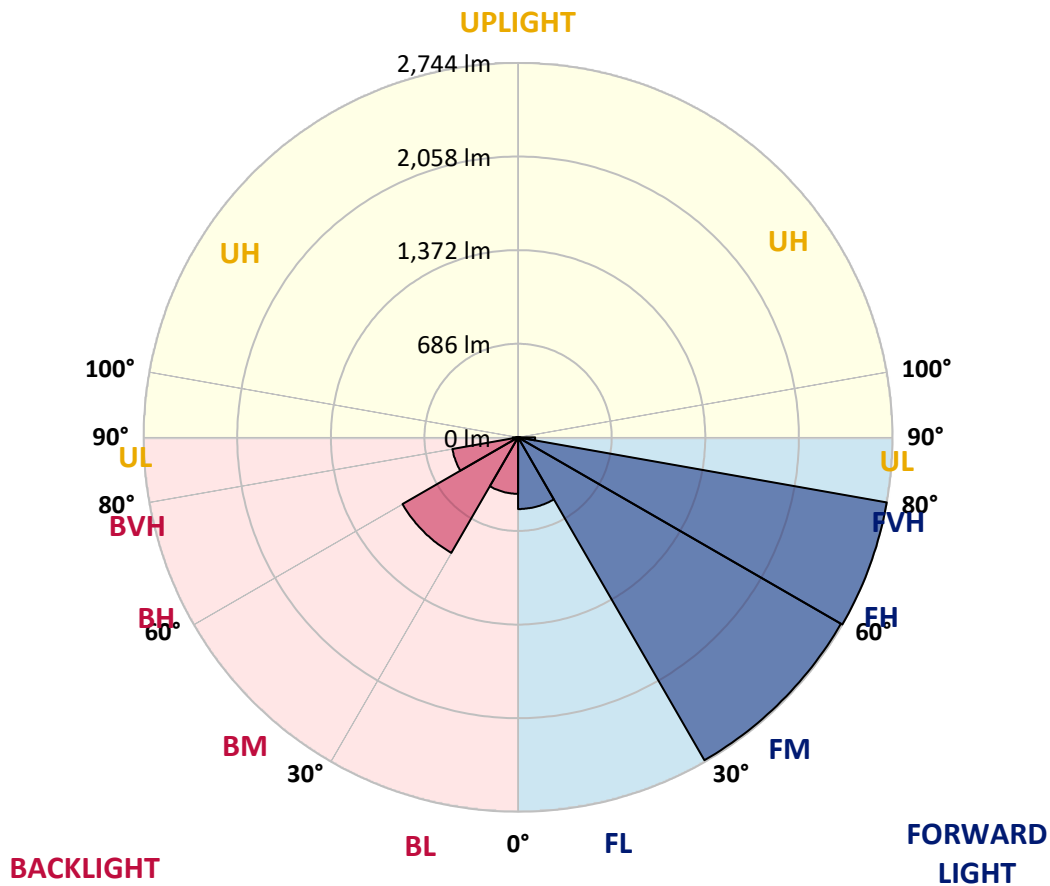
CATALOG NUMBER: GWS-SA1F-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.5	6.5			
FM (30°-60°)	2732.6	34.0			
FH (60°-80°)	2744.4	34.1			G2/5000
FVH (80°-90°)	125.0	1.6			G2/225
BL (0°-30°)	413.8	5.1	B1/500		
BM (30°-60°)	978.1	12.2	B1/1000		
BH (60°-80°)	488.8	6.1	B1/500		G1/500
BVH (80°-90°)	39.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1
2.5°	1148.0	1147.3	1158.9	1176.6	1193.0	1200.4	1212.5	1211.3	1201.6	1188.8	1184.5
5°	1238.1	1240.6	1260.7	1299.7	1342.9	1361.2	1369.1	1366.1	1348.4	1325.9	1286.3
7.5°	1319.8	1324.0	1355.1	1413.6	1467.2	1491.6	1511.1	1507.5	1481.9	1439.8	1381.3
10°	1379.5	1384.4	1421.5	1490.4	1550.1	1571.4	1596.4	1597.6	1575.1	1518.4	1458.7
12.5°	1439.2	1444.1	1478.8	1541.6	1580.6	1581.2	1595.8	1603.7	1604.9	1578.7	1519.0
15°	1501.4	1505.6	1537.3	1572.6	1570.8	1536.7	1536.7	1551.9	1585.4	1604.3	1562.9
17.5°	1554.4	1559.9	1584.2	1572.6	1518.4	1456.9	1449.6	1469.1	1527.6	1600.1	1595.8
20°	1598.2	1602.5	1615.9	1539.1	1440.4	1360.0	1346.0	1368.5	1447.7	1573.9	1620.8
22.5°	1640.3	1642.7	1635.4	1495.3	1356.3	1264.3	1247.3	1271.0	1356.3	1527.6	1642.1
25°	1690.2	1687.8	1653.1	1449.6	1279.6	1188.8	1171.1	1197.9	1286.9	1466.0	1665.3
27.5°	1748.1	1739.0	1668.3	1400.2	1220.5	1132.7	1120.5	1149.2	1232.0	1409.4	1683.5
30°	1797.5	1779.8	1670.7	1356.3	1190.0	1109.0	1101.6	1128.5	1205.2	1371.0	1706.7
32.5°	1852.3	1828.0	1684.8	1344.8	1207.1	1166.2	1176.0	1177.8	1212.5	1360.0	1741.4
35°	1930.9	1899.2	1723.2	1378.3	1382.5	1451.4	1486.7	1439.2	1322.8	1384.4	1807.2
37.5°	2049.7	2009.5	1801.1	1523.3	1745.1	1899.2	1984.5	1876.1	1658.0	1476.4	1906.6
40°	2194.2	2143.0	1901.1	1791.4	2083.9	2330.6	2482.4	2323.3	2002.8	1706.1	2046.1
42.5°	2395.8	2342.2	2094.8	2054.6	2397.7	2765.1	2963.1	2726.1	2306.9	2002.8	2269.7
45°	2747.4	2695.6	2450.1	2318.5	2765.1	3300.1	3577.9	3248.3	2615.8	2300.8	2687.7
47.5°	3396.9	3336.0	2977.7	2610.9	3184.3	3994.7	4383.4	3903.3	2936.9	2642.0	3389.6
50°	4176.9	4118.4	3640.1	2957.0	3647.4	4737.4	5277.9	4672.9	3306.8	3056.9	4228.7
52.5°	5115.2	5104.3	4585.1	3394.5	4129.3	5529.6	6270.5	5525.3	3712.0	3615.7	5179.2
55°	5961.0	6068.2	5785.5	4061.7	4752.1	6524.6	7291.1	6455.1	4261.6	4539.4	6292.4
57.5°	6416.7	6704.9	7139.4	5422.9	5657.5	7714.0	8550.6	7590.3	5206.0	6077.3	7324.6
60°	6115.7	6442.3	7229.6	6447.8	6555.6	8666.9	9590.1	8544.5	6133.4	7144.9	7266.1
62.5°	5614.9	5907.9	6608.1	5849.5	6694.6	8876.5	9614.4	8710.8	6502.0	6603.2	6563.6
65°	5020.8	5316.3	6057.8	5106.1	6252.8	8378.7	8905.2	8221.5	5839.7	5965.8	5980.5
67.5°	4231.7	4504.7	5259.6	4540.0	5699.6	7648.2	7816.3	7524.5	5377.8	5578.9	5368.7
70°	3161.7	3407.9	4074.5	3689.4	4804.5	6696.4	6560.5	6603.8	4859.3	5059.2	4484.6
72.5°	2160.6	2345.9	2917.4	2899.1	3679.1	5360.8	5171.3	5581.4	4058.7	4323.7	3418.9
75°	1511.1	1655.5	2108.8	2290.4	2780.9	3973.4	3682.7	4177.5	3169.7	3548.1	2494.5
77.5°	927.4	1023.0	1332.0	1696.9	1789.0	2719.4	2287.4	3143.5	2225.8	2587.8	1664.0
80°	463.7	510.0	647.1	1066.9	1186.3	1602.5	1263.1	1824.9	1506.2	1602.5	920.7
82.5°	140.1	154.8	189.5	405.2	614.8	922.5	746.4	1060.2	822.6	751.3	362.5
85°	37.2	42.0	52.4	120.0	215.7	330.9	252.3	513.7	394.2	277.2	136.5
87.5°	3.0	3.0	2.4	2.4	1.2	0.0	0.0	36.6	73.7	42.0	23.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1
2.5°	1163.2	1160.8	1135.8	1117.5	1096.2	1075.4	1054.1	1035.2	1013.9	992.6	986.5
5°	1257.0	1240.0	1187.0	1142.5	1098.6	1060.2	1026.7	992.0	963.9	936.5	926.2
7.5°	1339.9	1310.0	1233.3	1165.6	1104.7	1057.2	1007.8	957.2	917.6	878.6	868.9
10°	1414.8	1375.2	1278.3	1193.0	1125.4	1071.2	1013.3	945.7	888.4	840.9	828.1
12.5°	1470.3	1427.0	1317.3	1219.2	1142.5	1081.5	1024.3	964.5	904.2	842.7	828.7
15°	1514.2	1469.1	1349.6	1239.4	1143.1	1064.5	1009.0	988.3	969.4	909.1	883.5
17.5°	1549.5	1502.0	1377.7	1251.5	1126.6	1012.7	964.5	995.0	1043.2	1005.4	957.2
20°	1581.8	1533.7	1399.0	1260.1	1090.1	941.4	914.6	979.2	1051.7	1050.5	1007.2
22.5°	1617.1	1570.2	1430.1	1264.9	1038.9	868.9	884.7	956.0	1015.1	1032.8	1006.0
25°	1662.2	1620.8	1473.3	1275.9	981.0	818.9	862.8	926.2	975.5	979.8	963.9
27.5°	1714.6	1683.5	1537.9	1301.5	924.9	793.3	837.2	884.1	929.2	931.0	912.1
30°	1771.9	1751.2	1597.6	1322.8	882.9	785.4	804.3	842.1	870.7	875.6	859.1
32.5°	1845.0	1826.7	1650.6	1308.8	857.9	783.6	773.8	793.3	817.1	817.1	804.3
35°	1945.6	1920.0	1706.7	1255.2	827.5	776.3	741.5	747.0	757.4	759.2	751.9
37.5°	2088.1	2046.1	1763.4	1149.2	777.5	750.1	704.4	697.7	701.3	706.2	704.4
40°	2264.8	2196.0	1846.2	1021.8	717.8	699.5	666.0	653.2	650.1	659.9	663.5
42.5°	2487.2	2381.8	1935.2	903.0	663.5	641.6	620.9	609.9	605.1	621.5	631.3
45°	2842.5	2668.8	2020.5	785.4	633.1	592.3	578.2	570.3	572.8	592.3	604.4
47.5°	3456.1	3106.9	2101.5	711.1	630.6	556.9	539.9	541.7	548.4	569.1	583.7
50°	4232.3	3693.7	2155.8	680.0	638.0	535.6	513.0	522.8	533.2	553.3	570.3
52.5°	5022.6	4240.2	2091.2	662.9	637.3	536.2	488.1	517.3	522.2	542.3	560.6
55°	5566.1	4301.2	1806.6	636.7	627.6	560.6	468.6	514.9	517.9	536.2	552.7
57.5°	5773.3	4092.8	1377.7	644.0	598.3	579.5	460.0	497.8	519.7	535.6	552.7
60°	5522.9	3699.8	837.2	662.9	551.4	578.2	465.5	466.7	504.5	531.3	548.4
62.5°	5050.6	3195.3	588.0	609.3	517.3	545.9	478.3	430.2	477.7	510.0	525.2
65°	4509.6	2601.8	448.5	524.6	500.9	496.0	482.6	397.9	441.1	472.8	486.2
67.5°	3945.9	2022.3	364.4	391.2	452.7	448.5	441.1	369.2	397.9	420.4	435.7
70°	3236.1	1414.8	307.7	293.7	388.1	402.1	385.7	333.3	342.4	365.6	377.8
72.5°	2367.2	881.7	252.9	242.5	312.0	351.6	343.0	293.7	298.0	319.9	329.6
75°	1702.4	504.5	202.9	199.9	238.2	301.0	283.9	252.9	257.7	274.2	280.9
77.5°	1082.1	280.9	156.6	160.9	170.6	224.8	242.5	216.3	216.3	226.1	231.5
80°	579.5	160.9	114.6	116.4	119.4	171.8	191.3	167.6	167.6	160.9	167.6
82.5°	236.4	92.6	78.6	73.1	79.8	117.6	134.0	106.6	111.5	100.5	103.0
85°	78.0	46.3	39.0	38.4	37.8	51.8	64.6	53.0	63.4	40.2	42.0
87.5°	10.4	8.5	4.9	3.7	4.3	1.8	3.7	4.3	4.3	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1
2.5°	982.2	977.3	959.7	963.9	960.9	956.0	960.9	951.8	959.1	961.5	976.7
5°	918.2	906.7	889.6	881.1	879.2	874.4	875.0	870.7	871.9	882.3	899.4
7.5°	861.0	850.0	836.6	830.5	825.0	819.5	818.9	818.3	823.2	832.3	848.8
10°	819.5	813.4	808.0	810.4	808.0	805.5	801.3	801.3	809.2	825.6	845.7
12.5°	819.5	818.3	819.5	826.8	826.2	826.8	821.4	824.4	846.3	874.4	903.0
15°	863.4	853.7	853.7	857.3	856.1	856.1	856.1	868.9	918.9	962.1	992.6
17.5°	917.0	888.4	876.2	874.4	873.8	873.8	876.2	903.6	981.6	1027.3	1045.0
20°	954.2	900.0	879.9	871.9	872.5	873.8	881.1	918.9	1004.8	1027.9	1023.7
22.5°	960.9	890.8	866.4	854.9	856.7	857.9	868.9	909.1	973.1	976.7	968.2
25°	929.8	865.2	839.0	829.9	832.3	831.7	841.5	870.7	916.4	915.2	910.3
27.5°	883.5	824.4	804.9	798.8	803.1	798.2	801.3	823.8	859.1	857.9	856.1
30°	836.0	784.8	767.1	764.1	769.6	762.3	762.9	781.8	806.1	804.9	804.3
32.5°	788.5	745.2	729.4	729.4	734.8	726.9	728.1	744.6	761.0	756.2	756.2
35°	743.4	712.9	700.1	697.7	701.9	696.5	698.9	714.1	720.2	713.5	709.2
37.5°	703.8	690.4	677.6	669.0	669.6	670.2	677.6	689.1	685.5	675.7	670.2
40°	667.2	667.2	655.0	639.2	637.3	641.6	653.8	666.6	656.2	645.3	638.6
42.5°	641.0	646.5	634.9	619.1	615.4	622.7	636.1	645.3	633.1	620.9	611.8
45°	616.6	630.0	622.1	604.4	599.6	608.1	625.2	628.8	612.4	600.8	594.1
47.5°	599.6	617.8	612.4	595.3	588.0	600.2	617.8	617.2	596.5	584.3	578.9
50°	587.4	610.5	609.9	595.3	587.4	602.6	618.5	610.5	588.0	575.2	569.7
52.5°	577.6	609.9	614.2	605.7	600.2	613.6	623.3	608.1	581.9	568.5	564.2
55°	573.4	612.4	615.4	607.5	602.6	614.8	623.3	613.0	581.9	569.7	566.1
57.5°	574.6	609.3	609.9	599.0	590.4	605.7	619.1	616.0	588.6	574.6	570.3
60°	567.3	592.9	594.1	577.0	567.3	585.6	609.3	607.5	585.6	570.9	563.0
62.5°	542.9	565.4	566.1	550.2	536.2	562.4	588.6	588.0	567.9	553.3	544.1
65°	502.1	525.8	531.9	516.7	505.7	533.8	561.2	560.0	539.9	526.5	517.3
67.5°	451.5	477.1	488.7	478.3	474.0	499.6	525.2	524.6	508.2	495.4	487.5
70°	390.0	411.3	430.8	430.8	427.7	457.0	484.4	482.0	466.7	457.0	450.9
72.5°	338.8	355.2	361.3	367.4	376.6	407.0	430.2	432.0	421.0	416.2	421.0
75°	288.2	298.6	304.0	299.2	315.0	346.7	377.2	380.2	368.6	360.7	362.5
77.5°	237.0	248.6	254.1	243.1	241.9	282.1	319.3	326.0	316.2	304.0	307.7
80°	171.2	186.5	195.6	188.3	185.8	203.5	254.7	262.0	252.9	243.1	248.6
82.5°	104.8	113.3	115.8	123.1	138.3	145.6	163.9	188.3	181.6	173.0	188.3
85°	41.4	49.4	54.8	62.2	72.5	85.9	101.1	120.6	109.7	106.0	124.9
87.5°	2.4	0.6	0.0	1.2	10.4	20.1	43.3	59.7	50.0	53.6	64.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1	1068.1
2.5°	988.9	1004.8	1026.1	1043.8	1066.3	1087.6	1109.6	1131.5	1143.1	1148.0
5°	918.9	948.1	982.2	1020.0	1063.9	1110.2	1157.1	1205.2	1235.7	1238.1
7.5°	876.8	918.9	965.8	1013.3	1067.5	1131.5	1205.8	1280.2	1311.3	1319.8
10°	890.2	937.1	974.3	1018.8	1078.5	1158.3	1246.1	1333.2	1369.1	1379.5
12.5°	943.8	953.0	964.5	1005.4	1078.5	1181.5	1287.5	1391.1	1429.5	1439.2
15°	988.3	944.4	923.7	967.0	1063.9	1201.6	1331.4	1445.9	1492.2	1501.4
17.5°	992.0	916.4	871.3	910.3	1038.3	1215.6	1373.4	1506.8	1545.8	1554.4
20°	954.8	886.6	828.1	851.8	1003.5	1221.7	1403.9	1551.3	1589.7	1598.2
22.5°	912.8	862.2	798.8	797.6	961.5	1228.4	1440.4	1593.4	1634.8	1640.3
25°	873.2	828.7	775.1	758.0	912.8	1241.2	1489.8	1656.7	1688.4	1690.2
27.5°	826.8	792.7	756.2	739.7	870.1	1265.6	1562.9	1732.3	1751.2	1748.1
30°	784.8	759.2	742.8	737.9	843.3	1283.8	1632.4	1806.6	1807.8	1797.5
32.5°	740.3	730.6	730.6	746.4	821.4	1279.6	1689.0	1879.1	1867.6	1852.3
35°	700.7	702.5	715.3	752.5	784.8	1236.9	1743.3	1969.9	1952.9	1930.9
37.5°	662.9	677.0	695.2	731.2	736.7	1173.5	1806.6	2098.5	2077.2	2049.7
40°	630.6	652.0	673.3	691.0	685.5	1083.4	1895.0	2249.6	2225.8	2194.2
42.5°	605.1	625.8	649.5	651.4	653.2	989.5	1988.8	2434.8	2430.6	2395.8
45°	588.6	602.0	624.6	621.5	651.4	885.9	2075.3	2717.6	2773.6	2747.4
47.5°	577.6	588.0	590.4	603.2	667.2	793.3	2186.8	3270.8	3426.8	3396.9
50°	571.5	581.9	554.5	604.4	669.6	733.6	2341.0	3965.4	4216.5	4176.9
52.5°	570.9	568.5	527.1	617.2	656.2	697.1	2421.4	4472.4	5029.3	5115.2
55°	572.1	541.7	513.0	620.9	629.4	683.7	2152.1	4716.1	5779.4	5961.0
57.5°	561.2	512.4	521.0	606.3	578.9	719.6	1590.9	4629.0	6079.2	6416.7
60°	540.5	484.4	535.6	566.7	527.1	658.1	1095.6	4240.2	5768.4	6115.7
62.5°	510.6	464.9	533.8	515.5	508.2	538.6	753.1	3696.1	5275.5	5614.9
65°	477.1	449.1	505.1	466.1	470.4	414.3	532.5	3081.9	4686.9	5020.8
67.5°	441.1	439.3	463.1	414.9	397.3	328.4	388.1	2470.2	3930.7	4231.7
70°	400.3	413.7	421.0	368.6	322.3	257.7	288.2	1727.4	2899.7	3161.7
72.5°	359.5	360.7	371.1	320.5	241.3	206.6	216.3	1046.2	1969.9	2160.6
75°	318.1	306.5	316.2	260.8	179.7	169.4	167.0	646.5	1360.6	1511.1
77.5°	273.6	260.8	248.0	196.2	144.4	131.0	128.0	362.5	834.8	927.4
80°	222.4	205.3	185.2	143.8	105.4	93.8	93.2	176.7	416.2	463.7
82.5°	173.0	140.8	135.3	89.6	65.2	57.3	60.9	67.6	125.5	140.1
85°	121.3	102.4	71.9	35.9	29.2	23.8	23.2	20.1	33.5	37.2
87.5°	67.6	44.5	23.2	4.3	4.9	5.5	4.3	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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