

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: P631391

Luminaire Tested: GWS-SA1F-750-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631391
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-750-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8159.9 lumens
Efficiency: N/A
Efficacy: 121.4 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

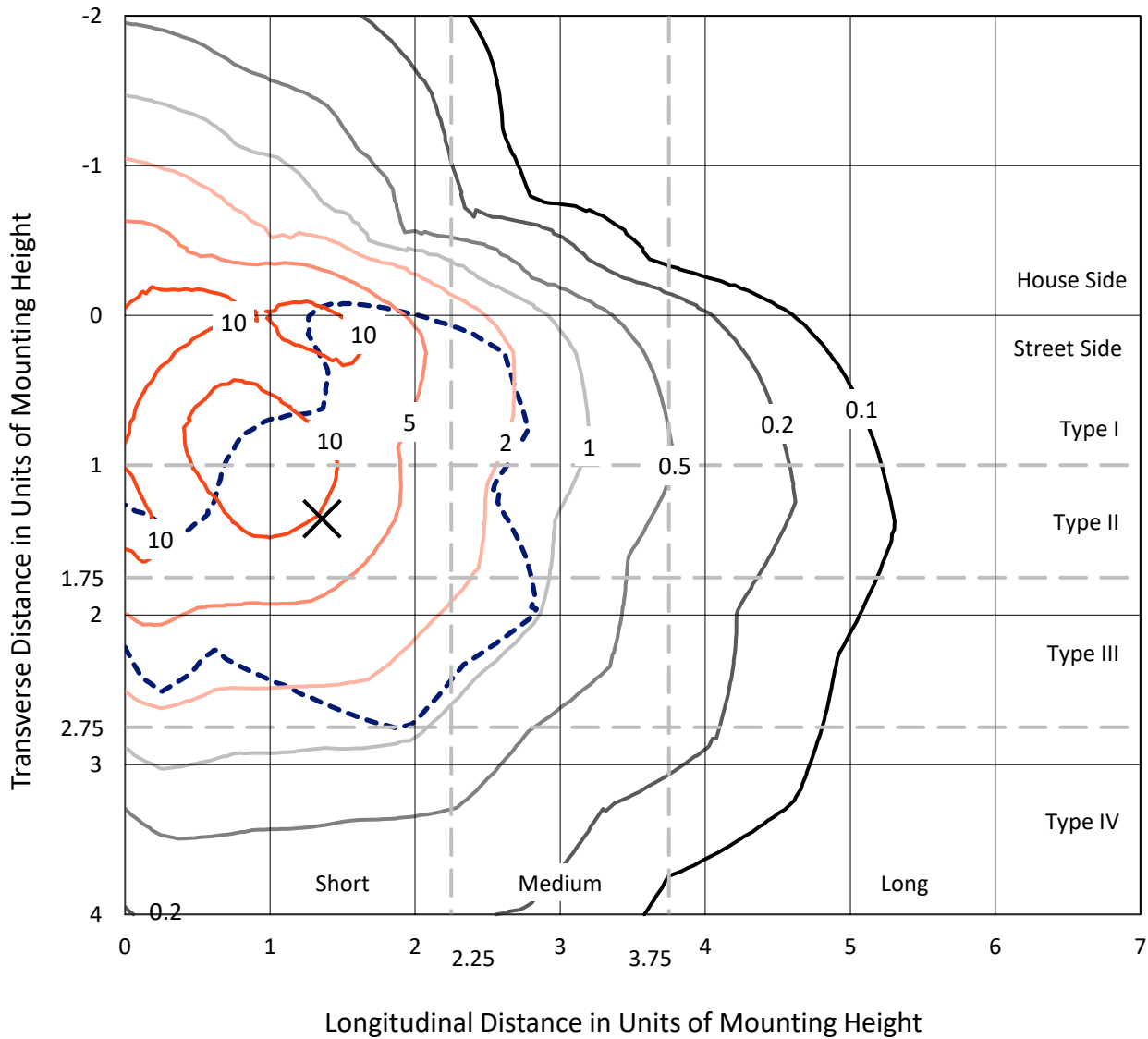
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

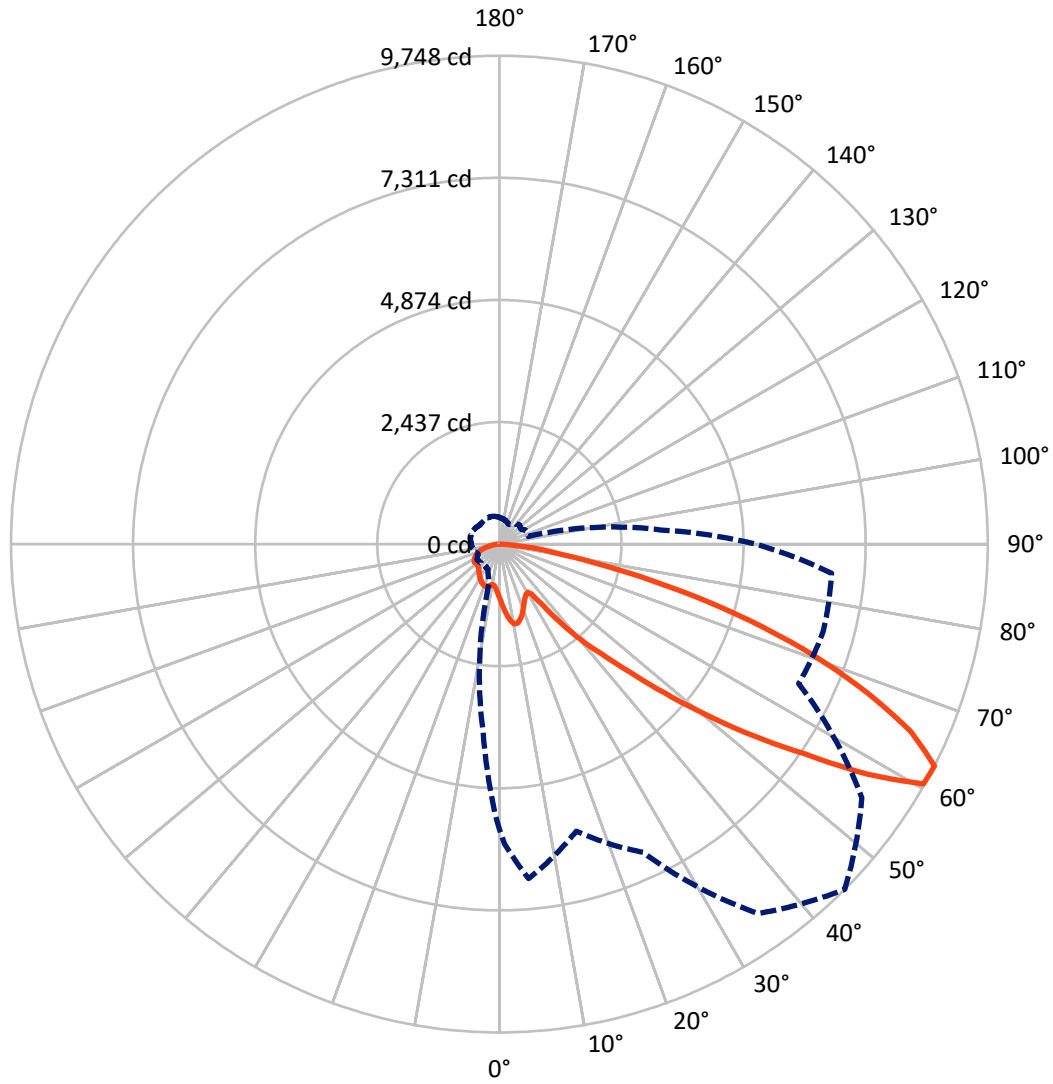
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 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	1947.1	0.0	1947.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6212.8	0.0	6212.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	8159.9	0.0	8159.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	1.3
10°-20°	331.6	4.1
20°-30°	515.0	6.3
30°-40°	699.2	8.6
40°-50°	1108.2	13.6
50°-60°	1954.9	24.0
60°-70°	2175.1	26.7
70°-80°	1103.1	13.5
80°-90°	167.0	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°	8159.9	100.0
0°-180°	8159.9	100.0

Coefficient of Utilization



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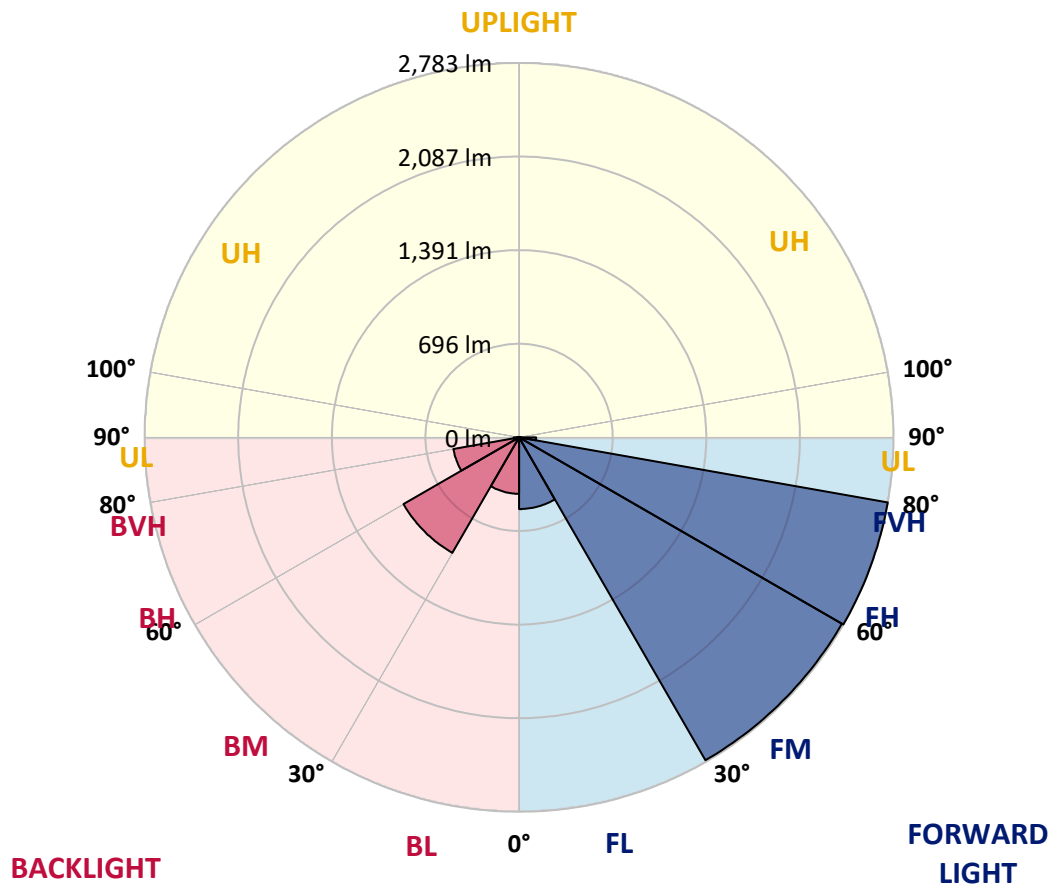
CATALOG NUMBER: GWS-SA1F-750-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.8	6.5			
FM (30°-60°)	2770.6	34.0			
FH (60°-80°)	2782.6	34.1			G2/5000
FVH (80°-90°)	126.8	1.6			G2/225
BL (0°-30°)	419.6	5.1	B1/500		
BM (30°-60°)	991.7	12.2	B1/1000		
BH (60°-80°)	495.6	6.1	B1/500		G1/500
BVH (80°-90°)	40.2	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°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1163.9	1163.3	1175.0	1193.0	1209.6	1217.0	1229.4	1228.2	1218.3	1205.3	1201.0
5°	1255.3	1257.8	1278.2	1317.7	1361.6	1380.1	1388.2	1385.1	1367.2	1344.3	1304.2
7.5°	1338.1	1342.5	1374.0	1433.3	1487.6	1512.3	1532.1	1528.4	1502.5	1459.8	1400.5
10°	1398.7	1403.6	1441.3	1511.1	1571.7	1593.3	1618.6	1619.8	1597.0	1539.5	1479.0
12.5°	1459.2	1464.2	1499.4	1563.0	1602.5	1603.2	1618.0	1626.0	1627.3	1600.7	1540.1
15°	1522.2	1526.6	1558.7	1594.5	1592.7	1558.1	1558.1	1573.5	1607.5	1626.6	1584.6
17.5°	1576.0	1581.5	1606.3	1594.5	1539.5	1477.1	1469.7	1489.5	1548.8	1622.3	1618.0
20°	1620.5	1624.8	1638.4	1560.5	1460.5	1378.9	1364.7	1387.6	1467.9	1595.8	1643.3
22.5°	1663.1	1665.6	1658.1	1516.1	1375.2	1281.9	1264.6	1288.7	1375.2	1548.8	1664.9
25°	1713.7	1711.3	1676.1	1469.7	1297.4	1205.3	1187.4	1214.6	1304.8	1486.4	1688.4
27.5°	1772.4	1763.2	1691.5	1419.7	1237.4	1148.5	1136.1	1165.2	1249.2	1428.9	1707.0
30°	1822.5	1804.6	1694.0	1375.2	1206.5	1124.4	1117.0	1144.1	1222.0	1390.0	1730.4
32.5°	1878.1	1853.4	1708.2	1363.5	1223.8	1182.4	1192.3	1194.2	1229.4	1378.9	1765.6
35°	1957.8	1925.7	1747.1	1397.4	1401.8	1471.6	1507.4	1459.2	1341.2	1403.6	1832.4
37.5°	2078.2	2037.5	1826.2	1544.5	1769.3	1925.7	2012.1	1902.2	1681.0	1496.9	1933.1
40°	2224.7	2172.8	1927.5	1816.3	2112.8	2363.0	2516.9	2355.6	2030.7	1729.8	2074.5
42.5°	2429.1	2374.8	2124.0	2083.2	2431.0	2803.5	3004.3	2764.0	2339.0	2030.7	2301.3
45°	2785.6	2733.1	2484.1	2350.7	2803.5	3345.9	3627.7	3293.4	2652.2	2332.8	2725.1
47.5°	3444.2	3382.4	3019.1	2647.2	3228.6	4050.2	4444.4	3957.6	2977.7	2678.7	3436.8
50°	4234.9	4175.6	3690.7	2998.1	3698.1	4803.3	5351.3	4737.8	3352.7	3099.5	4287.5
52.5°	5186.3	5175.2	4648.9	3441.7	4186.8	5606.4	6357.7	5602.1	3763.6	3666.0	5251.2
55°	6043.8	6152.6	5865.9	4118.2	4818.1	6615.3	7392.5	6544.9	4320.8	4602.5	6379.9
57.5°	6505.9	6798.2	7238.6	5498.3	5736.2	7821.2	8669.4	7695.8	5278.4	6161.8	7426.5
60°	6200.8	6531.9	7330.1	6537.5	6646.8	8787.4	9723.4	8663.3	6218.7	7244.2	7367.1
62.5°	5692.9	5990.1	6699.9	5930.8	6787.7	9000.0	9748.1	8831.9	6592.4	6695.0	6654.8
65°	5090.6	5390.2	6142.1	5177.1	6339.8	8495.2	9029.0	8335.8	5920.9	6048.8	6063.6
67.5°	4290.5	4567.3	5332.8	4603.2	5778.8	7754.5	7925.0	7629.1	5452.6	5656.5	5443.3
70°	3205.7	3455.3	4131.2	3740.7	4871.3	6789.5	6651.7	6695.6	4926.9	5129.5	4546.9
72.5°	2190.7	2378.5	2958.0	2939.4	3730.2	5435.3	5243.2	5659.0	4115.1	4383.8	3466.4
75°	1532.1	1678.5	2138.2	2322.3	2819.6	4028.6	3733.9	4235.6	3213.7	3597.4	2529.2
77.5°	940.3	1037.3	1350.5	1720.5	1813.8	2757.2	2319.2	3187.2	2256.8	2623.8	1687.2
80°	470.1	517.1	656.1	1081.7	1202.8	1624.8	1280.7	1850.3	1527.2	1624.8	933.5
82.5°	142.1	156.9	192.1	410.8	623.3	935.3	756.8	1075.0	834.0	761.7	367.6
85°	37.7	42.6	53.1	121.7	218.7	335.5	255.8	520.8	399.7	281.1	138.4
87.5°	3.1	3.1	2.5	2.5	1.2	0.0	0.0	37.1	74.8	42.6	24.1
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°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1179.4	1176.9	1151.6	1133.0	1111.4	1090.4	1068.8	1049.6	1028.0	1006.4	1000.2
5°	1274.5	1257.2	1203.5	1158.4	1113.9	1075.0	1041.0	1005.8	977.3	949.5	939.0
7.5°	1358.5	1328.2	1250.4	1181.8	1120.1	1071.9	1021.8	970.5	930.4	890.9	881.0
10°	1434.5	1394.4	1296.1	1209.6	1141.1	1086.1	1027.4	958.8	900.7	852.5	839.6
12.5°	1490.7	1446.9	1335.7	1236.2	1158.4	1096.6	1038.5	978.0	916.8	854.4	840.2
15°	1535.2	1489.5	1368.4	1256.6	1159.0	1079.3	1023.1	1002.1	982.9	921.7	895.8
17.5°	1571.0	1522.9	1396.8	1268.9	1142.3	1026.8	978.0	1008.9	1057.7	1019.4	970.5
20°	1603.8	1555.0	1418.4	1277.6	1105.2	954.5	927.3	992.8	1066.3	1065.1	1021.2
22.5°	1639.6	1592.0	1450.0	1282.5	1053.3	881.0	897.0	969.3	1029.2	1047.2	1020.0
25°	1685.3	1643.3	1493.8	1293.7	994.6	830.3	874.8	939.0	989.1	993.4	977.3
27.5°	1738.5	1707.0	1559.3	1319.6	937.8	804.4	848.8	896.4	942.1	944.0	924.8
30°	1796.5	1775.5	1619.8	1341.2	895.2	796.3	815.5	853.8	882.8	887.8	871.1
32.5°	1870.7	1852.1	1673.6	1327.0	869.8	794.5	784.6	804.4	828.5	828.5	815.5
35°	1972.6	1946.7	1730.4	1272.6	839.0	787.1	751.9	757.4	767.9	769.8	762.4
37.5°	2117.2	2074.5	1787.9	1165.2	788.3	760.5	714.2	707.4	711.1	716.0	714.2
40°	2296.3	2226.5	1871.9	1036.0	727.8	709.2	675.2	662.3	659.2	669.1	672.8
42.5°	2521.8	2414.9	1962.1	915.6	672.8	650.5	629.5	618.4	613.5	630.1	640.0
45°	2882.0	2705.9	2048.6	796.3	641.9	600.5	586.3	578.3	580.7	600.5	612.8
47.5°	3504.1	3150.1	2130.8	721.0	639.4	564.7	547.4	549.2	556.0	577.0	591.8
50°	4291.2	3745.0	2185.7	689.5	646.8	543.0	520.2	530.1	540.6	561.0	578.3
52.5°	5092.4	4299.2	2120.3	672.2	646.2	543.7	494.8	524.5	529.4	549.8	568.4
55°	5643.5	4361.0	1831.7	645.6	636.3	568.4	475.1	522.0	525.1	543.7	560.3
57.5°	5853.6	4149.7	1396.8	653.0	606.7	587.5	466.4	504.7	527.0	543.0	560.3
60°	5599.6	3751.2	848.8	672.2	559.1	586.3	472.0	473.2	511.5	538.7	556.0
62.5°	5120.9	3239.7	596.2	617.8	524.5	553.5	485.0	436.2	484.3	517.1	532.5
65°	4572.3	2638.0	454.7	531.9	507.8	502.9	489.3	403.4	447.3	479.4	493.0
67.5°	4000.8	2050.4	369.4	396.6	459.0	454.7	447.3	374.4	403.4	426.3	441.7
70°	3281.1	1434.5	312.0	297.8	393.5	407.7	391.1	337.9	347.2	370.7	383.0
72.5°	2400.1	893.9	256.4	245.9	316.3	356.5	347.8	297.8	302.1	324.3	334.2
75°	1726.1	511.5	205.7	202.6	241.6	305.2	287.9	256.4	261.3	278.0	284.8
77.5°	1097.2	284.8	158.8	163.1	173.0	228.0	245.9	219.3	219.3	229.2	234.8
80°	587.5	163.1	116.1	118.0	121.1	174.2	194.0	169.9	169.9	163.1	169.9
82.5°	239.7	93.9	79.7	74.1	80.9	119.2	135.9	108.1	113.1	101.9	104.4
85°	79.1	47.0	39.5	38.9	38.3	52.5	65.5	53.7	64.3	40.8	42.6
87.5°	10.5	8.6	4.9	3.7	4.3	1.9	3.7	4.3	4.3	3.1	3.1
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°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	995.9	990.9	973.0	977.3	974.3	969.3	974.3	965.0	972.4	974.9	990.3
5°	931.0	919.3	902.0	893.3	891.5	886.5	887.1	882.8	884.1	894.6	911.9
7.5°	872.9	861.8	848.2	842.0	836.5	830.9	830.3	829.7	834.6	843.9	860.6
10°	830.9	824.7	819.2	821.7	819.2	816.7	812.4	812.4	820.4	837.1	857.5
12.5°	830.9	829.7	830.9	838.3	837.7	838.3	832.8	835.9	858.1	886.5	915.6
15°	875.4	865.5	865.5	869.2	868.0	868.0	868.0	881.0	931.6	975.5	1006.4
17.5°	929.8	900.7	888.4	886.5	885.9	885.9	888.4	916.2	995.3	1041.6	1059.5
20°	967.5	912.5	892.1	884.1	884.7	885.9	893.3	931.6	1018.7	1042.2	1037.9
22.5°	974.3	903.2	878.5	866.8	868.6	869.8	881.0	921.7	986.6	990.3	981.7
25°	942.7	877.3	850.7	841.4	843.9	843.3	853.2	882.8	929.2	927.9	923.0
27.5°	895.8	835.9	816.1	809.9	814.2	809.3	812.4	835.3	871.1	869.8	868.0
30°	847.6	795.7	777.8	774.7	780.3	772.9	773.5	792.6	817.3	816.1	815.5
32.5°	799.4	755.6	739.5	739.5	745.1	737.0	738.3	754.9	771.6	766.7	766.7
35°	753.7	722.8	709.8	707.4	711.7	706.1	708.6	724.0	730.2	723.4	719.1
37.5°	713.5	700.0	687.0	678.3	679.0	679.6	687.0	698.7	695.0	685.1	679.6
40°	676.5	676.5	664.1	648.1	646.2	650.5	662.9	675.9	665.4	654.2	647.4
42.5°	649.9	655.5	643.7	627.7	624.0	631.4	645.0	654.2	641.9	629.5	620.3
45°	625.2	638.8	630.8	612.8	607.9	616.6	633.9	637.6	620.9	609.1	602.3
47.5°	607.9	626.4	620.9	603.6	596.2	608.5	626.4	625.8	604.8	592.5	586.9
50°	595.5	619.0	618.4	603.6	595.5	611.0	627.1	619.0	596.2	583.2	577.6
52.5°	585.7	618.4	622.7	614.1	608.5	622.1	632.0	616.6	590.0	576.4	572.1
55°	581.3	620.9	624.0	615.9	611.0	623.3	632.0	621.5	590.0	577.6	573.9
57.5°	582.6	617.8	618.4	607.3	598.6	614.1	627.7	624.6	596.8	582.6	578.3
60°	575.2	601.1	602.3	585.0	575.2	593.7	617.8	615.9	593.7	578.9	570.8
62.5°	550.5	573.3	573.9	557.9	543.7	570.2	596.8	596.2	575.8	561.0	551.7
65°	509.1	533.2	539.3	523.9	512.8	541.2	569.0	567.7	547.4	533.8	524.5
67.5°	457.8	483.7	495.5	485.0	480.6	506.6	532.5	531.9	515.2	502.3	494.2
70°	395.4	417.0	436.8	436.8	433.7	463.3	491.1	488.7	473.2	463.3	457.2
72.5°	343.5	360.2	366.3	372.5	381.8	412.7	436.2	438.0	426.9	422.0	426.9
75°	292.2	302.7	308.3	303.3	319.4	351.5	382.4	385.5	373.8	365.7	367.6
77.5°	240.3	252.1	257.6	246.5	245.3	286.0	323.7	330.5	320.6	308.3	312.0
80°	173.6	189.0	198.3	190.9	188.4	206.3	258.2	265.6	256.4	246.5	252.1
82.5°	106.3	114.9	117.4	124.8	140.2	147.7	166.2	190.9	184.1	175.5	190.9
85°	42.0	50.0	55.6	63.0	73.5	87.1	102.6	122.3	111.2	107.5	126.6
87.5°	2.5	0.6	0.0	1.2	10.5	20.4	43.9	60.5	50.7	54.4	65.5
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°	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0	1083.0
2.5°	1002.7	1018.7	1040.4	1058.3	1081.1	1102.8	1125.0	1147.2	1159.0	1163.9
5°	931.6	961.3	995.9	1034.2	1078.7	1125.6	1173.2	1222.0	1252.9	1255.3
7.5°	889.0	931.6	979.2	1027.4	1082.4	1147.2	1222.6	1298.0	1329.5	1338.1
10°	902.6	950.2	987.8	1032.9	1093.5	1174.4	1263.4	1351.7	1388.2	1398.7
12.5°	957.0	966.2	978.0	1019.4	1093.5	1197.9	1305.4	1410.4	1449.3	1459.2
15°	1002.1	957.6	936.6	980.4	1078.7	1218.3	1349.9	1466.0	1513.0	1522.2
17.5°	1005.8	929.2	883.4	923.0	1052.7	1232.5	1392.5	1527.8	1567.3	1576.0
20°	968.1	898.9	839.6	863.7	1017.5	1238.7	1423.4	1572.9	1611.8	1620.5
22.5°	925.4	874.2	809.9	808.7	974.9	1245.5	1460.5	1615.5	1657.5	1663.1
25°	885.3	840.2	785.8	768.5	925.4	1258.4	1510.5	1679.8	1711.9	1713.7
27.5°	838.3	803.7	766.7	750.0	882.2	1283.1	1584.6	1756.4	1775.5	1772.4
30°	795.7	769.8	753.1	748.1	855.0	1301.7	1655.1	1831.7	1833.0	1822.5
32.5°	750.6	740.7	740.7	756.8	832.8	1297.4	1712.5	1905.3	1893.5	1878.1
35°	710.5	712.3	725.3	763.0	795.7	1254.1	1767.5	1997.3	1980.0	1957.8
37.5°	672.2	686.4	704.9	741.3	746.9	1189.9	1831.7	2127.7	2106.0	2078.2
40°	639.4	661.0	682.7	700.6	695.0	1098.4	1921.3	2280.9	2256.8	2224.7
42.5°	613.5	634.5	658.6	660.4	662.3	1003.3	2016.5	2468.7	2464.4	2429.1
45°	596.8	610.4	633.2	630.1	660.4	898.3	2104.2	2755.3	2812.2	2785.6
47.5°	585.7	596.2	598.6	611.6	676.5	804.4	2217.2	3316.3	3474.4	3444.2
50°	579.5	590.0	562.2	612.8	679.0	743.8	2373.5	4020.6	4275.1	4234.9
52.5°	578.9	576.4	534.4	625.8	665.4	706.8	2455.1	4534.6	5099.2	5186.3
55°	580.1	549.2	520.2	629.5	638.2	693.2	2182.0	4781.7	5859.7	6043.8
57.5°	569.0	519.6	528.2	614.7	586.9	729.6	1613.0	4693.3	6163.7	6505.9
60°	548.0	491.1	543.0	574.5	534.4	667.2	1110.8	4299.2	5848.6	6200.8
62.5°	517.7	471.4	541.2	522.7	515.2	546.1	763.6	3747.5	5348.8	5692.9
65°	483.7	455.3	512.1	472.6	476.9	420.1	539.9	3124.8	4752.0	5090.6
67.5°	447.3	445.4	469.5	420.7	402.8	333.0	393.5	2504.5	3985.4	4290.5
70°	405.9	419.5	426.9	373.8	326.8	261.3	292.2	1751.4	2940.1	3205.7
72.5°	364.5	365.7	376.2	325.0	244.6	209.4	219.3	1060.7	1997.3	2190.7
75°	322.5	310.7	320.6	264.4	182.2	171.7	169.3	655.5	1379.5	1532.1
77.5°	277.4	264.4	251.4	198.9	146.4	132.8	129.7	367.6	846.4	940.3
80°	225.5	208.2	187.8	145.8	106.9	95.1	94.5	179.2	422.0	470.1
82.5°	175.5	142.7	137.1	90.8	66.1	58.1	61.8	68.6	127.3	142.1
85°	122.9	103.8	72.9	36.4	29.7	24.1	23.5	20.4	34.0	37.7
87.5°	68.6	45.1	23.5	4.3	4.9	5.6	4.3	3.1	3.1	3.1
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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