

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1D-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1D-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5063.2 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')

Beam Angle (50%): 105.6°H x 93.7°V
Beam Lumens: 3961.4 lumens
Beam Efficiency: 78.2%

NEMA Type: 7H x 7V
Max Intensity: 2159.3 candela
Max Intensity Angle: 0°H x -20°V

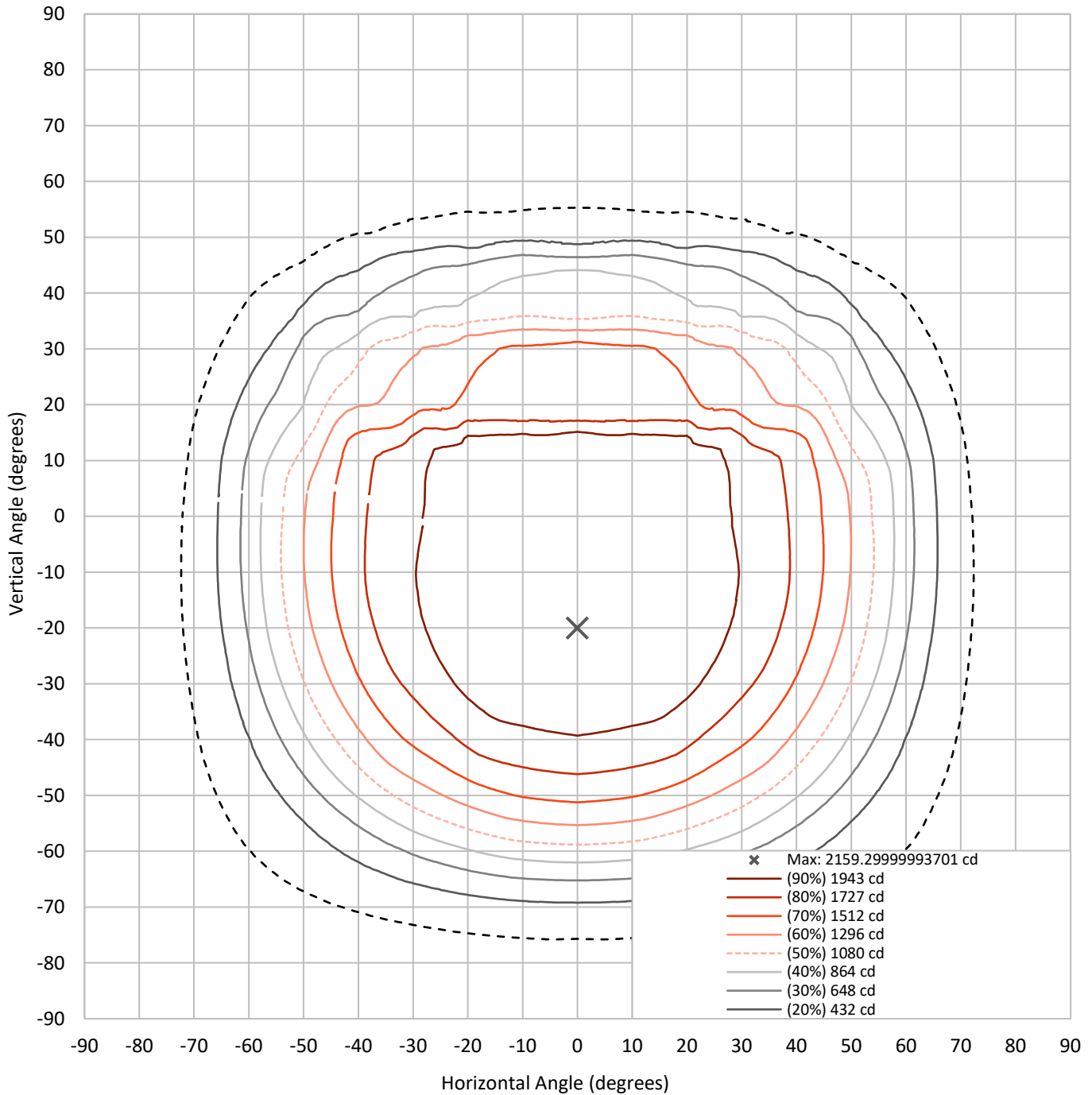
Field Angle (10%): 144°H x 131.2°V
Field Lumens: 4962.6 lumens
Field Efficiency: 98.0%

Input Watts (W): 57.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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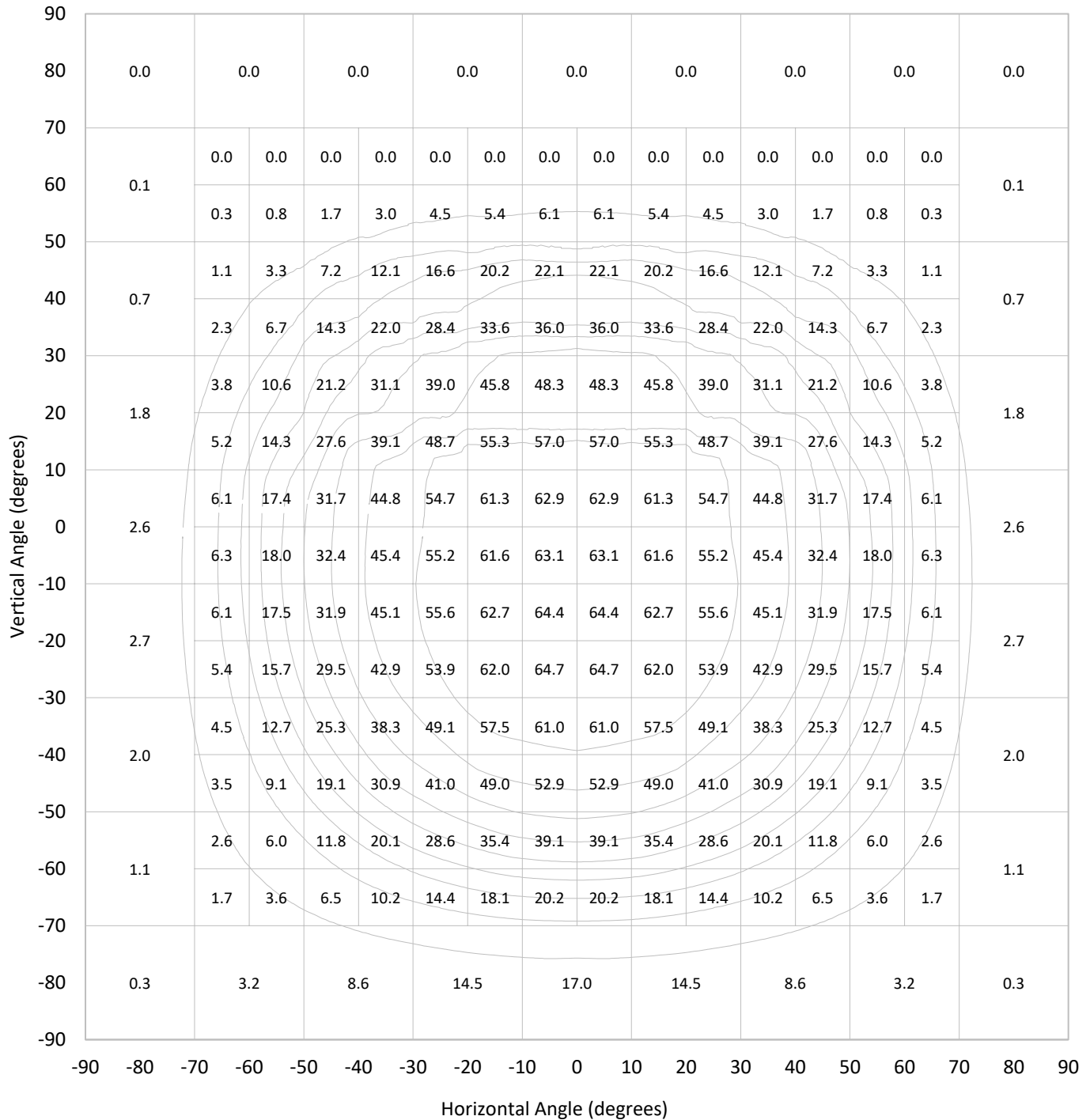
Iso-Candela Plot





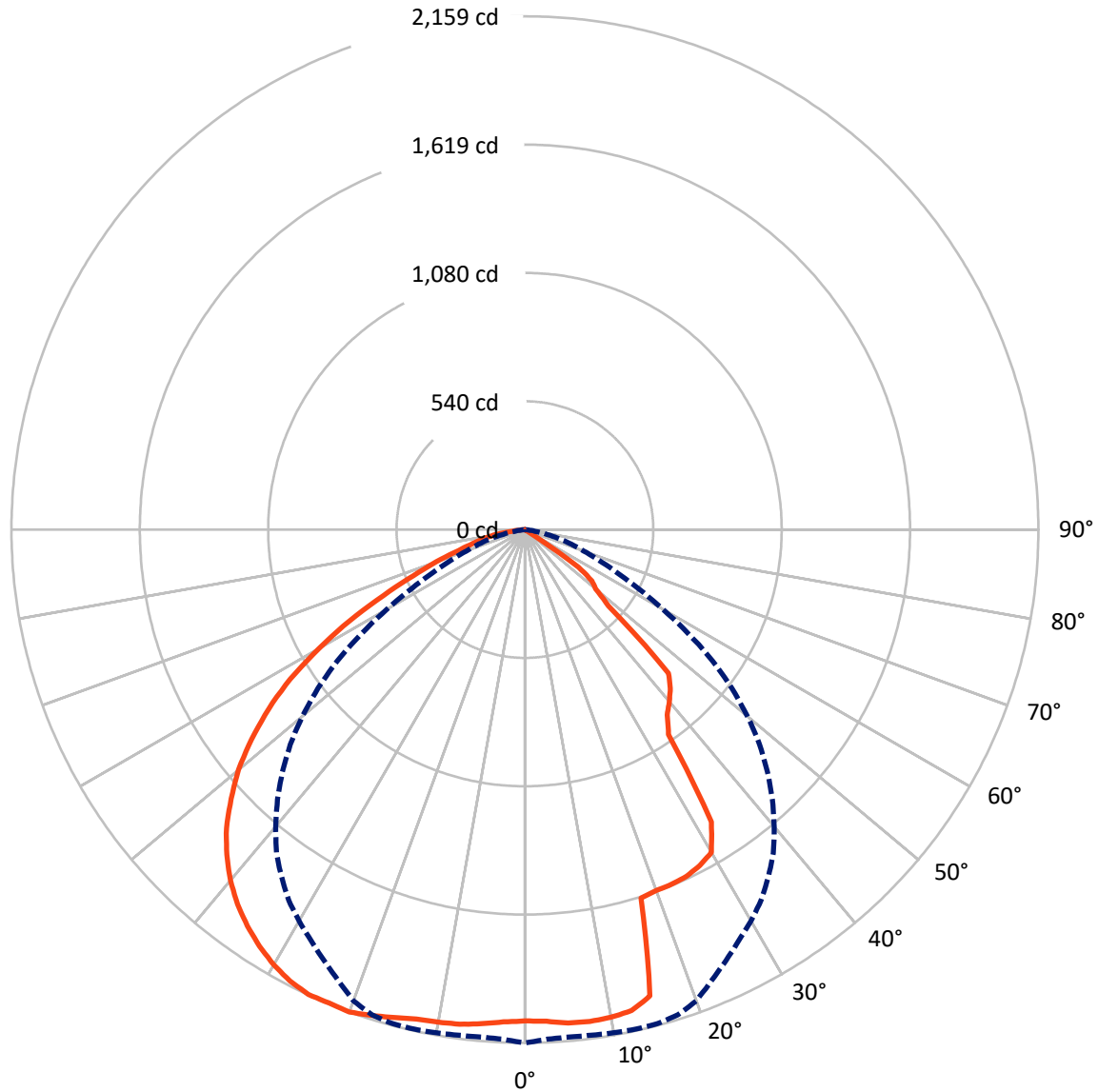
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Lumen Table



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

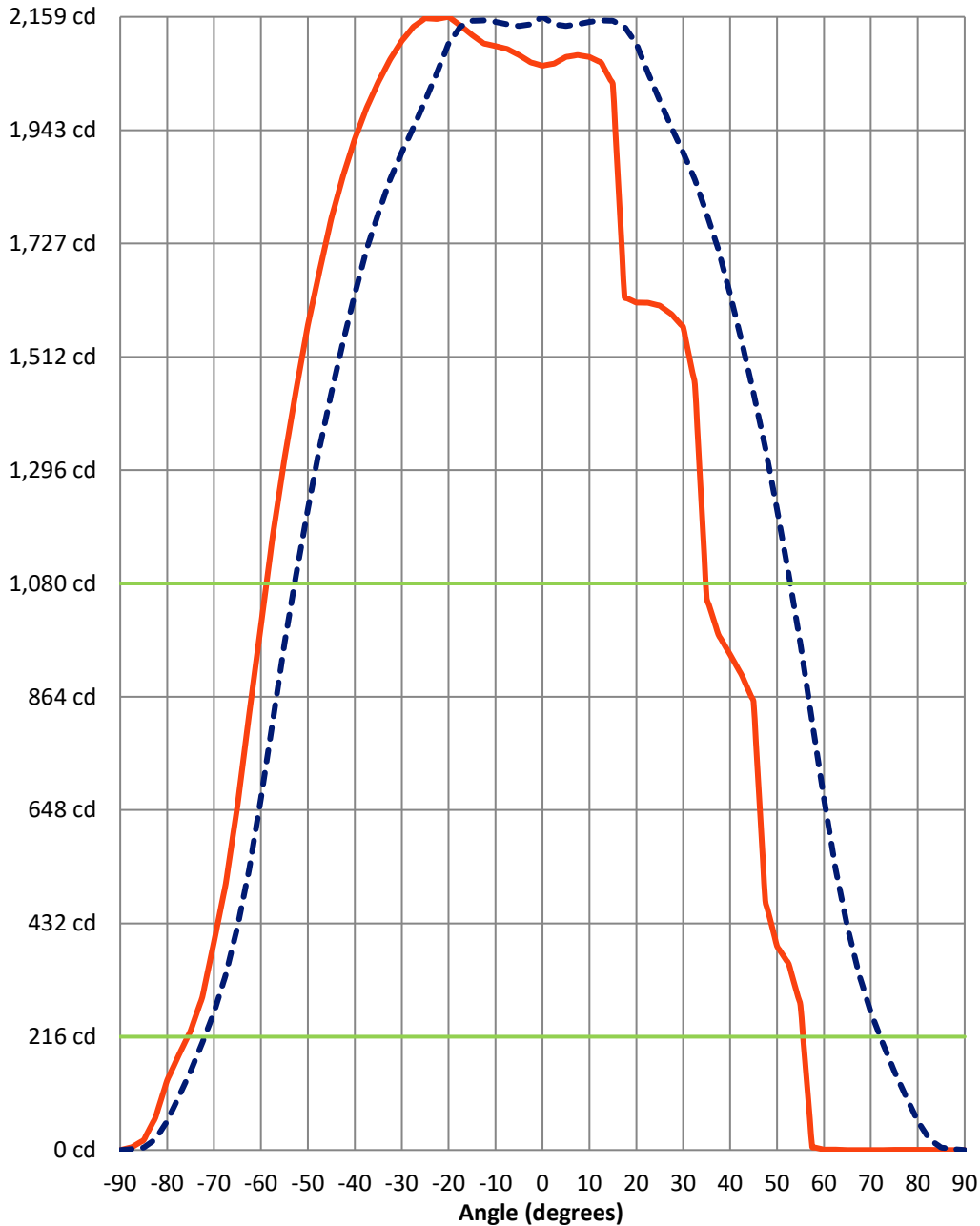


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 3961.4
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 4962.6
 Efficiency: 98.0%

Spill:
 Lumens: 100.6
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4
82.5°	0.0	0.2	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.5
80°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	0.8	0.7	0.6	0.5
77.5°	0.0	0.3	0.4	0.6	0.8	0.9	0.9	0.8	0.7	0.6	0.5
75°	0.0	0.3	0.5	0.7	0.9	0.9	0.9	0.8	0.7	0.6	0.5
72.5°	0.0	0.3	0.6	0.8	1.0	1.0	0.9	0.8	0.7	0.6	0.5
70°	0.0	0.4	0.6	0.9	1.0	1.0	1.0	0.8	0.7	0.7	0.7
67.5°	0.0	0.4	0.7	1.0	1.1	1.1	1.1	0.9	0.8	1.0	1.0
65°	0.0	0.5	0.8	1.0	1.1	1.2	1.2	0.9	1.2	1.4	1.8
62.5°	0.0	0.5	0.9	1.1	1.2	1.5	1.4	1.2	1.7	2.5	4.0
60°	0.0	0.6	1.0	1.1	1.2	1.8	1.7	1.7	2.2	6.4	7.0
57.5°	0.0	0.6	1.0	1.2	1.6	2.2	3.2	2.5	6.3	10.9	12.6
55°	0.0	0.7	1.1	1.2	2.0	2.6	5.0	4.0	11.6	16.8	20.4
52.5°	0.0	0.7	1.1	1.3	2.4	3.4	7.2	10.1	17.4	26.3	29.6
50°	0.0	0.8	1.2	1.3	2.8	5.7	9.8	17.1	24.9	36.9	46.3
47.5°	0.0	0.8	1.2	1.5	3.2	8.3	13.1	24.4	35.9	48.6	63.4
45°	0.0	0.9	1.3	1.8	3.7	11.0	19.8	32.0	48.3	63.4	79.9
42.5°	0.0	0.9	1.4	2.2	4.2	13.9	26.6	41.7	60.8	77.8	99.0
40°	0.0	0.9	1.4	2.6	5.6	17.0	33.5	52.7	73.7	91.9	119.4
37.5°	0.0	1.0	1.5	3.2	8.0	20.2	40.6	63.7	87.2	108.9	140.7
35°	0.0	1.0	1.5	3.8	10.5	25.1	47.8	74.8	101.0	129.7	165.9
32.5°	0.0	1.1	1.6	4.5	12.9	30.8	55.6	85.8	114.9	150.6	196.6
30°	0.0	1.1	1.7	5.2	15.4	36.5	64.6	96.9	129.0	171.6	226.0
27.5°	0.0	1.1	1.7	6.0	18.5	42.0	73.3	108.4	144.4	192.5	254.1
25°	0.0	1.2	1.8	6.8	21.7	47.5	81.9	119.9	161.8	215.4	280.9
22.5°	0.0	1.2	1.8	7.6	24.8	53.1	90.2	131.1	178.9	238.3	308.0
20°	0.0	1.2	1.9	8.5	27.9	59.1	98.2	142.2	195.5	259.9	334.5
17.5°	0.0	1.3	2.0	9.4	31.0	64.9	106.1	152.9	211.6	280.1	360.1
15°	0.0	1.3	2.0	10.3	34.0	70.5	113.7	162.8	227.1	299.0	384.8
12.5°	0.0	1.3	2.1	11.2	36.9	75.8	120.9	171.7	239.4	316.5	408.2
10°	0.0	1.3	2.1	12.1	39.6	80.8	127.5	179.8	248.6	327.0	427.3
7.5°	0.0	1.4	2.2	12.9	42.2	85.5	133.6	187.3	256.4	335.2	438.4
5°	0.0	1.4	2.2	13.7	44.7	89.9	139.1	194.0	262.9	341.7	447.5
2.5°	0.0	1.4	2.3	14.5	46.9	93.8	144.0	199.9	268.2	346.8	454.4
0°	0.0	1.4	2.3	15.2	48.9	97.3	148.4	205.1	272.4	350.4	459.2
-2.5°	0.0	1.5	2.7	16.2	50.8	99.5	150.6	208.1	273.9	354.9	462.3
-5°	0.0	1.6	3.0	17.1	52.3	101.3	152.2	210.3	274.4	357.8	463.2
-7.5°	0.0	1.6	3.4	17.9	53.6	102.5	153.2	211.7	274.0	359.0	462.2
-10°	0.0	1.7	3.7	18.6	54.6	103.3	153.7	212.3	272.9	358.3	459.2
-12.5°	0.0	1.8	4.0	19.2	55.3	103.6	153.6	211.9	271.0	355.4	454.2
-15°	0.0	1.8	4.3	19.7	55.6	103.5	153.0	210.7	268.9	349.8	446.9
-17.5°	0.0	1.9	4.6	20.0	55.5	102.9	151.9	208.1	266.2	342.7	437.4
-20°	0.0	1.9	4.8	20.3	55.1	101.8	150.1	204.5	262.5	334.3	425.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.9	5.1	20.3	54.4	100.2	147.6	200.2	257.7	324.7	411.7
-25°	0.0	2.0	5.3	20.2	53.2	97.8	144.5	195.1	251.7	313.8	395.6
-27.5°	0.0	2.0	5.5	20.0	51.6	94.8	140.9	189.4	244.5	303.2	381.3
-30°	0.0	2.0	5.6	19.6	49.7	91.4	136.6	183.0	236.7	294.3	366.0
-32.5°	0.0	2.0	5.7	19.0	47.5	87.6	131.8	177.0	228.5	284.0	349.7
-35°	0.0	2.0	5.8	18.2	44.9	83.4	126.6	170.8	219.5	272.3	332.4
-37.5°	0.0	2.0	5.8	17.3	42.2	79.1	121.0	163.9	209.9	259.2	315.3
-40°	0.0	2.0	5.8	16.3	39.1	75.3	115.0	156.4	199.7	246.9	298.4
-42.5°	0.0	2.0	5.8	15.1	36.9	71.2	108.5	148.2	189.9	233.9	280.2
-45°	0.0	1.9	5.7	13.9	35.3	66.8	101.7	139.7	179.8	220.0	261.3
-47.5°	0.0	1.9	5.6	12.5	33.5	62.2	94.4	131.3	169.0	205.4	245.0
-50°	0.0	1.8	5.5	12.1	31.3	57.3	88.3	122.4	157.1	192.0	227.9
-52.5°	0.0	1.7	5.3	11.9	28.9	52.2	82.3	113.1	145.6	178.3	210.4
-55°	0.0	1.7	5.1	11.5	26.3	48.3	76.0	103.7	134.2	164.1	194.9
-57.5°	0.0	1.6	4.9	11.0	23.4	44.4	69.5	96.3	122.3	150.6	179.0
-60°	0.0	1.5	4.6	10.4	20.3	40.1	62.8	88.0	110.4	136.8	163.1
-62.5°	0.0	1.4	4.3	9.6	18.9	35.4	56.8	79.1	99.5	122.8	147.5
-65°	0.0	1.3	4.0	8.8	17.2	30.5	50.2	69.8	87.9	108.6	131.6
-67.5°	0.0	1.2	3.7	7.9	15.4	26.3	43.3	60.5	75.6	93.9	114.4
-70°	0.0	1.1	3.3	6.8	13.4	23.0	36.0	51.0	64.6	78.5	96.2
-72.5°	0.0	1.0	3.0	6.0	11.2	19.5	30.5	41.3	53.4	65.7	78.1
-75°	0.0	0.8	2.6	5.2	8.9	15.8	24.9	33.3	42.0	52.7	63.6
-77.5°	0.0	0.7	2.2	4.4	7.4	11.8	19.0	25.7	32.7	40.2	48.8
-80°	0.0	0.6	1.7	3.6	6.0	9.0	13.0	18.0	23.4	29.2	35.5
-82.5°	0.0	0.4	1.3	2.7	4.5	6.8	9.5	11.6	14.0	18.1	22.5
-85°	0.0	0.3	0.9	1.8	3.0	4.6	6.4	7.7	9.1	10.6	12.1
-87.5°	0.0	0.1	0.4	0.9	1.5	2.3	3.2	3.9	4.6	5.3	6.0
-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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 CATALOG NUMBER: GFLD-SA1D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.7	0.7	0.7	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5
67.5°	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.5
65°	0.9	0.8	1.1	1.3	0.9	0.8	0.7	0.6	0.7	0.7	0.7
62.5°	1.4	1.7	2.2	3.9	2.9	0.8	1.5	1.8	1.3	1.1	1.1
60°	4.5	3.0	9.1	13.0	8.1	2.9	3.6	12.0	10.4	1.9	6.5
57.5°	9.4	13.0	23.9	24.3	16.8	11.6	33.8	39.0	29.5	17.2	26.4
55°	20.8	32.0	39.7	36.7	40.1	60.7	72.2	64.8	54.6	84.0	107.3
52.5°	40.7	52.1	54.7	62.8	89.9	103.3	99.0	105.9	137.3	170.6	177.8
50°	60.1	69.4	76.7	110.9	132.1	133.5	143.3	174.5	216.4	236.7	231.8
47.5°	78.8	88.5	122.4	155.3	164.8	177.9	202.5	262.6	306.9	307.8	302.8
45°	98.7	124.5	167.8	189.2	204.7	229.9	289.3	372.2	376.5	388.6	462.7
42.5°	119.8	165.1	202.9	225.2	250.1	297.2	376.6	430.9	449.7	502.4	562.0
40°	154.2	204.4	237.4	265.9	298.0	366.7	453.6	504.5	519.7	565.4	610.2
37.5°	189.0	237.2	274.1	308.5	353.0	445.7	546.3	588.3	596.0	604.3	703.6
35°	222.6	270.8	315.0	360.0	414.6	548.1	636.0	675.5	674.3	730.6	834.6
32.5°	254.0	305.1	357.3	417.5	507.5	644.3	732.3	755.9	791.8	873.8	1015.7
30°	285.3	343.4	403.4	475.0	589.1	707.7	808.1	846.1	907.6	1001.2	1104.5
27.5°	317.5	382.7	455.2	539.2	653.5	762.5	848.3	939.2	999.0	1082.9	1156.3
25°	349.7	424.3	506.4	595.3	699.6	801.2	889.8	994.9	1059.1	1126.7	1195.2
22.5°	383.4	466.5	559.2	639.8	738.4	834.0	939.6	1053.5	1136.9	1179.9	1225.9
20°	418.6	512.1	611.0	700.3	776.7	864.5	989.5	1127.9	1235.6	1284.0	1290.3
17.5°	453.3	556.3	662.6	759.3	841.7	919.9	1042.0	1217.1	1351.0	1395.9	1415.9
15°	487.2	598.9	714.0	816.7	907.2	1002.8	1133.1	1311.2	1464.3	1514.0	1545.5
12.5°	519.8	639.4	764.6	872.3	972.8	1080.0	1215.9	1379.0	1518.7	1614.9	1672.6
10°	551.0	677.7	813.6	925.6	1037.6	1151.6	1284.5	1429.5	1543.2	1635.9	1717.8
7.5°	566.7	702.8	855.7	976.3	1100.7	1217.7	1340.6	1465.0	1560.8	1651.8	1731.0
5°	577.4	713.0	868.9	994.0	1134.3	1261.9	1381.1	1488.4	1572.3	1662.5	1739.9
2.5°	585.0	719.7	877.8	1003.7	1146.9	1275.4	1392.8	1496.2	1581.8	1670.2	1749.4
0°	589.6	722.8	882.3	1009.6	1154.8	1284.3	1399.6	1499.2	1588.1	1673.9	1759.2
-2.5°	592.2	732.5	885.3	1024.9	1162.4	1292.0	1409.1	1506.3	1599.3	1680.9	1766.4
-5°	591.9	738.3	884.6	1035.2	1166.1	1295.0	1413.8	1509.5	1605.3	1686.1	1769.3
-7.5°	588.7	739.6	880.6	1038.4	1166.2	1294.0	1411.7	1511.0	1605.2	1690.9	1769.5
-10°	583.0	734.4	876.9	1030.1	1161.7	1288.8	1405.4	1507.6	1601.5	1689.9	1768.0
-12.5°	576.2	723.6	869.2	1018.1	1152.6	1279.0	1395.7	1499.0	1594.4	1682.7	1764.5
-15°	566.0	709.3	856.6	1002.8	1138.8	1264.7	1383.1	1484.9	1583.6	1670.1	1754.0
-17.5°	552.4	691.5	838.8	984.8	1120.2	1246.1	1367.0	1466.3	1564.5	1653.8	1734.9
-20°	535.3	670.5	815.7	964.2	1096.5	1221.1	1338.2	1442.2	1539.8	1630.6	1715.9

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	514.5	646.2	787.9	936.5	1067.0	1190.2	1305.9	1411.6	1512.7	1600.5	1691.3
-25°	493.7	620.7	757.2	898.1	1032.7	1155.3	1271.5	1374.4	1477.7	1569.1	1655.3
-27.5°	473.8	591.0	721.5	855.8	993.8	1115.9	1231.0	1334.0	1434.3	1534.2	1617.2
-30°	451.4	556.7	682.4	810.7	945.2	1069.5	1185.4	1292.4	1387.8	1486.4	1575.6
-32.5°	426.8	520.3	641.1	764.5	891.4	1018.4	1133.2	1239.5	1338.8	1432.0	1525.6
-35°	402.7	490.9	597.4	714.9	834.4	959.0	1073.9	1179.0	1282.2	1374.5	1463.9
-37.5°	381.0	459.0	550.9	663.2	777.3	895.2	1012.0	1113.8	1211.9	1313.6	1400.7
-40°	357.5	424.8	510.6	609.8	717.4	829.5	941.4	1046.7	1138.9	1239.3	1335.3
-42.5°	332.9	397.0	470.9	553.4	654.9	760.6	868.6	971.7	1067.4	1162.1	1257.2
-45°	311.4	367.5	430.5	505.9	588.5	687.9	790.2	892.9	984.8	1075.1	1168.9
-47.5°	288.5	337.9	396.1	456.3	528.2	611.3	707.5	802.2	896.2	982.1	1065.2
-50°	265.6	311.2	359.1	413.3	472.6	539.9	619.8	707.9	793.8	882.0	964.2
-52.5°	246.0	283.1	326.4	371.6	422.4	478.1	542.1	614.5	692.6	767.4	849.5
-55°	225.6	259.1	294.0	333.8	376.1	423.1	475.6	536.4	596.0	665.2	732.2
-57.5°	207.0	235.3	265.0	297.9	334.6	372.2	418.1	465.4	519.5	573.3	626.4
-60°	189.5	212.6	237.8	265.6	295.1	328.6	362.9	403.5	447.1	490.0	535.0
-62.5°	171.8	191.2	211.8	234.9	260.6	285.9	315.2	346.5	378.6	414.9	450.4
-65°	153.6	169.3	186.7	206.0	226.5	248.0	270.5	293.7	320.9	347.6	373.4
-67.5°	134.3	147.7	161.8	177.0	194.2	211.1	228.0	247.6	267.7	287.4	307.9
-70°	112.9	125.6	137.3	149.6	162.4	175.7	190.1	204.5	218.6	233.4	249.8
-72.5°	91.2	102.8	113.2	122.2	132.7	143.8	154.3	164.4	175.1	186.3	197.4
-75°	72.7	80.4	89.7	98.1	106.5	114.2	121.2	129.7	138.7	146.8	153.5
-77.5°	56.7	63.7	70.1	75.7	82.4	90.1	96.9	102.8	108.4	114.6	121.1
-80°	41.3	47.1	52.8	58.1	61.9	66.3	71.5	77.4	82.6	86.8	90.6
-82.5°	26.7	30.8	35.1	39.5	41.3	42.5	43.6	45.7	48.9	52.0	55.0
-85°	13.3	14.5	17.1	19.8	20.7	21.4	21.8	22.0	23.1	24.1	25.0
-87.5°	6.7	7.3	7.9	8.5	8.2	7.7	7.2	6.5	6.4	6.2	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.5	0.3	0.2	0.1	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3
65°	0.7	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.4	0.3
62.5°	1.1	1.3	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.8
60°	7.2	4.3	2.5	2.9	2.6	1.8	2.2	2.6	2.6	2.4	2.1
57.5°	40.1	30.0	22.2	52.9	53.1	25.4	30.5	48.0	39.5	12.9	12.0
55°	111.5	133.4	175.5	166.7	169.4	194.8	212.7	188.3	184.6	196.7	227.2
52.5°	200.3	221.1	235.3	248.5	264.7	282.0	299.9	311.3	321.9	333.2	339.9
50°	255.7	285.1	305.2	297.8	339.6	356.7	339.3	354.9	373.8	379.0	381.4
47.5°	377.6	420.7	429.2	456.9	481.9	481.3	460.2	461.4	517.7	567.4	591.8
45°	542.7	544.1	571.2	620.2	655.2	644.2	673.8	740.9	763.3	784.9	802.6
42.5°	607.0	633.6	676.9	720.2	746.3	768.9	790.8	815.5	844.5	868.0	886.9
40°	669.3	690.8	735.0	769.9	791.5	812.6	838.1	865.4	892.0	912.7	926.8
37.5°	765.1	781.8	792.6	824.9	865.8	846.9	895.3	929.9	945.8	966.8	968.7
35°	910.2	899.1	884.7	1013.6	1021.3	977.8	1023.0	1076.7	1048.4	1107.4	1139.2
32.5°	1038.7	1037.0	1149.5	1217.3	1178.3	1210.1	1314.3	1309.7	1379.2	1411.5	1402.3
30°	1159.8	1201.1	1266.2	1316.6	1323.4	1373.5	1419.9	1460.4	1502.4	1540.0	1542.6
27.5°	1221.3	1275.2	1319.4	1348.5	1381.1	1423.3	1465.4	1511.0	1546.7	1570.3	1576.1
25°	1258.5	1313.5	1347.0	1378.4	1414.3	1450.8	1497.8	1547.6	1576.2	1590.8	1595.5
22.5°	1291.2	1340.7	1376.7	1402.2	1440.9	1480.1	1523.9	1566.1	1597.2	1603.6	1605.9
20°	1322.8	1370.4	1430.4	1467.9	1466.1	1510.2	1552.5	1586.0	1612.0	1611.8	1612.4
17.5°	1414.1	1431.1	1540.0	1622.8	1581.8	1560.2	1676.4	1678.6	1685.5	1671.8	1642.1
15°	1549.3	1580.2	1714.0	1803.7	1775.5	1774.0	1941.9	1900.3	1936.1	1926.7	1967.1
12.5°	1692.4	1729.1	1829.1	1917.1	1959.1	1969.4	2025.5	2078.0	2088.8	2084.6	2076.6
10°	1790.0	1842.2	1882.3	1935.8	1978.1	2021.3	2053.8	2091.5	2103.8	2096.7	2086.6
7.5°	1802.7	1854.3	1901.4	1948.3	1988.6	2023.4	2057.1	2087.8	2100.4	2096.2	2089.3
5°	1810.8	1857.5	1903.2	1950.8	1989.3	2021.5	2055.2	2086.3	2093.7	2088.7	2081.9
2.5°	1815.8	1858.9	1903.1	1950.4	1985.4	2016.1	2050.1	2083.3	2083.3	2081.1	2077.2
0°	1818.2	1861.5	1912.7	1955.6	1994.7	2023.8	2057.4	2089.7	2087.4	2081.4	2074.5
-2.5°	1823.4	1867.2	1919.5	1955.0	1999.2	2025.8	2060.6	2088.6	2087.4	2084.5	2081.1
-5°	1828.0	1877.3	1926.2	1963.6	2007.9	2042.6	2077.2	2099.1	2100.2	2096.2	2090.4
-7.5°	1830.8	1885.5	1932.1	1969.7	2012.6	2053.1	2088.1	2111.0	2111.6	2106.1	2099.3
-10°	1829.9	1887.7	1935.6	1974.4	2018.4	2058.3	2095.0	2124.1	2123.2	2118.0	2112.0
-12.5°	1826.4	1884.1	1933.4	1972.3	2022.2	2063.4	2104.6	2133.6	2135.1	2131.2	2124.8
-15°	1818.8	1878.4	1926.3	1968.8	2017.8	2065.8	2108.2	2140.1	2145.8	2142.6	2137.5
-17.5°	1803.8	1866.6	1917.5	1963.3	2010.2	2061.5	2109.7	2144.6	2152.3	2151.1	2146.9
-20°	1784.1	1849.0	1900.6	1948.5	1999.7	2052.4	2108.5	2140.4	2151.7	2152.4	2149.6

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1761.9	1825.5	1880.2	1927.4	1982.8	2036.2	2087.0	2124.3	2143.4	2146.9	2147.1
-25°	1735.4	1800.7	1855.1	1905.3	1956.8	2012.0	2063.3	2105.0	2124.3	2133.5	2136.3
-27.5°	1697.8	1765.3	1818.8	1871.9	1924.4	1981.4	2035.3	2080.7	2096.3	2108.9	2114.0
-30°	1653.9	1720.6	1775.2	1823.7	1883.7	1941.9	1997.5	2037.1	2060.6	2075.1	2083.0
-32.5°	1603.4	1670.7	1728.0	1778.6	1835.7	1893.8	1946.2	1987.9	2020.4	2037.1	2045.5
-35°	1548.6	1617.3	1677.3	1730.7	1784.4	1839.8	1894.0	1937.7	1974.7	1989.0	1999.6
-37.5°	1482.5	1558.3	1619.8	1674.9	1725.9	1777.9	1834.5	1884.4	1920.4	1934.3	1945.4
-40°	1414.7	1488.0	1550.0	1608.7	1659.2	1716.0	1770.5	1822.8	1854.0	1870.2	1882.8
-42.5°	1343.2	1409.4	1468.4	1525.4	1581.6	1640.1	1694.5	1748.9	1775.9	1795.4	1810.9
-45°	1260.5	1322.2	1379.5	1432.9	1490.8	1548.3	1602.8	1650.8	1682.9	1708.3	1728.1
-47.5°	1150.5	1225.5	1283.1	1333.9	1391.3	1446.8	1499.5	1544.6	1579.9	1609.6	1632.6
-50°	1038.6	1110.7	1175.6	1232.6	1285.9	1337.2	1387.4	1431.6	1468.9	1501.1	1524.4
-52.5°	928.5	996.0	1060.4	1119.3	1170.5	1219.0	1264.9	1309.3	1348.6	1383.1	1405.6
-55°	804.1	874.0	937.7	992.6	1043.8	1091.7	1137.0	1179.1	1217.9	1253.0	1274.5
-57.5°	687.3	748.7	807.9	858.6	906.9	952.5	995.5	1035.8	1073.1	1106.1	1126.9
-60°	580.0	624.7	675.7	722.5	765.3	804.2	844.3	881.9	916.1	945.2	964.5
-62.5°	485.2	522.2	559.0	594.6	629.3	664.2	697.8	729.0	757.6	781.4	798.4
-65°	400.6	430.4	457.0	482.3	506.3	533.9	559.4	583.4	605.6	623.9	636.8
-67.5°	329.9	350.8	369.2	386.5	405.5	425.0	443.2	459.1	472.7	483.5	492.0
-70°	266.1	281.5	295.3	309.1	323.0	335.6	347.7	359.3	370.4	379.5	386.3
-72.5°	208.4	218.9	228.3	239.0	248.9	258.5	266.8	273.6	278.8	283.9	288.4
-75°	158.9	166.8	177.4	186.4	193.8	200.4	206.4	211.8	216.5	220.7	224.4
-77.5°	127.7	134.5	141.3	147.8	154.2	158.9	163.3	167.7	172.0	175.7	179.0
-80°	94.6	99.7	104.9	110.2	115.5	118.1	120.2	122.1	123.8	126.0	128.1
-82.5°	57.9	60.7	63.6	66.6	69.5	70.3	70.5	70.5	70.1	69.3	68.1
-85°	25.7	25.9	25.8	25.5	25.0	24.0	22.8	21.3	19.7	19.4	19.1
-87.5°	5.7	5.5	5.4	5.2	5.0	5.0	5.0	5.0	4.9	5.1	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.3	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.3	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.5
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.6
62.5°	0.8	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.9
60°	1.6	1.1	0.9	0.9	0.9	1.1	1.6	2.1	2.4	2.6	2.6
57.5°	10.2	7.6	6.5	6.0	6.5	7.6	10.2	12.0	12.9	39.5	48.0
55°	249.1	261.8	271.3	275.7	271.3	261.8	249.1	227.2	196.7	184.6	188.3
52.5°	345.9	351.4	354.6	354.5	354.6	351.4	345.9	339.9	333.2	321.9	311.3
50°	385.6	388.3	389.2	388.6	389.2	388.3	385.6	381.4	379.0	373.8	354.9
47.5°	569.6	520.3	484.0	475.3	484.0	520.3	569.6	591.8	567.4	517.7	461.4
45°	811.2	829.9	848.5	854.2	848.5	829.9	811.2	802.6	784.9	763.3	740.9
42.5°	894.8	900.9	904.4	904.5	904.4	900.9	894.8	886.9	868.0	844.5	815.5
40°	934.7	940.4	943.8	944.1	943.8	940.4	934.7	926.8	912.7	892.0	865.4
37.5°	971.0	975.9	979.1	982.4	979.1	975.9	971.0	968.7	966.8	945.8	929.9
35°	1134.9	1097.7	1044.3	1052.5	1044.3	1097.7	1134.9	1139.2	1107.4	1048.4	1076.7
32.5°	1416.7	1432.3	1442.0	1458.6	1442.0	1432.3	1416.7	1402.3	1411.5	1379.2	1309.7
30°	1546.7	1551.8	1559.6	1567.9	1559.6	1551.8	1546.7	1542.6	1540.0	1502.4	1460.4
27.5°	1579.1	1584.4	1589.2	1592.7	1589.2	1584.4	1579.1	1576.1	1570.3	1546.7	1511.0
25°	1596.1	1599.4	1604.5	1608.9	1604.5	1599.4	1596.1	1595.5	1590.8	1576.2	1547.6
22.5°	1604.5	1604.8	1608.8	1614.4	1608.8	1604.8	1604.5	1605.9	1603.6	1597.2	1566.1
20°	1610.3	1607.2	1611.3	1614.9	1611.3	1607.2	1610.3	1612.4	1611.8	1612.0	1586.0
17.5°	1684.0	1642.0	1624.7	1625.0	1624.7	1642.0	1684.0	1642.1	1671.8	1685.5	1678.6
15°	1921.8	1937.6	1998.0	2030.7	1998.0	1937.6	1921.8	1967.1	1926.7	1936.1	1900.3
12.5°	2075.2	2069.6	2062.4	2072.2	2062.4	2069.6	2075.2	2076.6	2084.6	2088.8	2078.0
10°	2082.3	2081.6	2068.9	2082.8	2068.9	2081.6	2082.3	2086.6	2096.7	2103.8	2091.5
7.5°	2077.9	2078.3	2072.9	2086.5	2072.9	2078.3	2077.9	2089.3	2096.2	2100.4	2087.8
5°	2080.8	2071.5	2075.0	2082.8	2075.0	2071.5	2080.8	2081.9	2088.7	2093.7	2086.3
2.5°	2072.8	2071.8	2064.9	2070.3	2064.9	2071.8	2072.8	2077.2	2081.1	2083.3	2083.3
0°	2066.7	2061.6	2061.6	2066.2	2061.6	2061.6	2066.7	2074.5	2081.4	2087.4	2089.7
-2.5°	2077.6	2076.5	2075.8	2072.6	2075.8	2076.5	2077.6	2081.1	2084.5	2087.4	2088.6
-5°	2086.5	2083.8	2076.2	2086.5	2076.2	2083.8	2086.5	2090.4	2096.2	2100.2	2099.1
-7.5°	2096.2	2089.2	2082.0	2098.0	2082.0	2089.2	2096.2	2099.3	2106.1	2111.6	2111.0
-10°	2105.0	2094.8	2087.9	2103.5	2087.9	2094.8	2105.0	2112.0	2118.0	2123.2	2124.1
-12.5°	2116.6	2104.8	2100.1	2108.6	2100.1	2104.8	2116.6	2124.8	2131.2	2135.1	2133.6
-15°	2129.0	2120.8	2119.7	2124.7	2119.7	2120.8	2129.0	2137.5	2142.6	2145.8	2140.1
-17.5°	2139.9	2134.2	2137.0	2142.7	2137.0	2134.2	2139.9	2146.9	2151.1	2152.3	2144.6
-20°	2145.1	2141.9	2145.1	2159.3	2145.1	2141.9	2145.1	2149.6	2152.4	2151.7	2140.4



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2144.7	2144.8	2150.5	2155.2	2150.5	2144.8	2144.7	2147.1	2146.9	2143.4	2124.3
-25°	2136.5	2140.8	2147.3	2156.5	2147.3	2140.8	2136.5	2136.3	2133.5	2124.3	2105.0
-27.5°	2116.8	2123.9	2130.7	2140.4	2130.7	2123.9	2116.8	2114.0	2108.9	2096.3	2080.7
-30°	2088.2	2096.7	2102.8	2113.2	2102.8	2096.7	2088.2	2083.0	2075.1	2060.6	2037.1
-32.5°	2053.5	2063.1	2070.3	2077.7	2070.3	2063.1	2053.5	2045.5	2037.1	2020.4	1987.9
-35°	2010.1	2020.5	2028.1	2034.8	2028.1	2020.5	2010.1	1999.6	1989.0	1974.7	1937.7
-37.5°	1957.9	1969.1	1977.7	1985.5	1977.7	1969.1	1957.9	1945.4	1934.3	1920.4	1884.4
-40°	1897.2	1908.7	1917.9	1926.5	1917.9	1908.7	1897.2	1882.8	1870.2	1854.0	1822.8
-42.5°	1826.1	1837.7	1847.3	1856.0	1847.3	1837.7	1826.1	1810.9	1795.4	1775.9	1748.9
-45°	1744.1	1756.0	1766.1	1775.3	1766.1	1756.0	1744.1	1728.1	1708.3	1682.9	1650.8
-47.5°	1649.5	1662.3	1670.9	1675.3	1670.9	1662.3	1649.5	1632.6	1609.6	1579.9	1544.6
-50°	1541.3	1554.0	1564.4	1572.0	1564.4	1554.0	1541.3	1524.4	1501.1	1468.9	1431.6
-52.5°	1422.0	1434.2	1443.1	1448.5	1443.1	1434.2	1422.0	1405.6	1383.1	1348.6	1309.3
-55°	1291.5	1304.2	1312.6	1316.6	1312.6	1304.2	1291.5	1274.5	1253.0	1217.9	1179.1
-57.5°	1143.4	1155.5	1164.5	1169.6	1164.5	1155.5	1143.4	1126.9	1106.1	1073.1	1035.8
-60°	979.7	990.5	997.3	999.9	997.3	990.5	979.7	964.5	945.2	916.1	881.9
-62.5°	812.1	822.4	828.7	831.2	828.7	822.4	812.1	798.4	781.4	757.6	729.0
-65°	646.5	652.9	656.4	656.9	656.4	652.9	646.5	636.8	623.9	605.6	583.4
-67.5°	498.8	503.6	506.6	507.6	506.6	503.6	498.8	492.0	483.5	472.7	459.1
-70°	391.3	394.7	396.6	396.9	396.6	394.7	391.3	386.3	379.5	370.4	359.3
-72.5°	291.8	294.2	293.4	291.4	293.4	294.2	291.8	288.4	283.9	278.8	273.6
-75°	227.6	230.2	229.2	227.3	229.2	230.2	227.6	224.4	220.7	216.5	211.8
-77.5°	181.8	184.2	183.1	181.2	183.1	184.2	181.8	179.0	175.7	172.0	167.7
-80°	129.8	131.3	132.3	132.8	132.3	131.3	129.8	128.1	126.0	123.8	122.1
-82.5°	66.5	64.5	63.3	61.8	63.3	64.5	66.5	68.1	69.3	70.1	70.5
-85°	18.7	18.3	18.6	18.9	18.6	18.3	18.7	19.1	19.4	19.7	21.3
-87.5°	5.4	5.5	5.5	5.5	5.5	5.5	5.4	5.2	5.1	4.9	5.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.3	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6
65°	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.6
62.5°	0.9	1.0	1.0	1.0	1.0	1.3	1.1	1.1	1.1	1.3	1.8
60°	2.2	1.8	2.6	2.9	2.5	4.3	7.2	6.5	1.9	10.4	12.0
57.5°	30.5	25.4	53.1	52.9	22.2	30.0	40.1	26.4	17.2	29.5	39.0
55°	212.7	194.8	169.4	166.7	175.5	133.4	111.5	107.3	84.0	54.6	64.8
52.5°	299.9	282.0	264.7	248.5	235.3	221.1	200.3	177.8	170.6	137.3	105.9
50°	339.3	356.7	339.6	297.8	305.2	285.1	255.7	231.8	236.7	216.4	174.5
47.5°	460.2	481.3	481.9	456.9	429.2	420.7	377.6	302.8	307.8	306.9	262.6
45°	673.8	644.2	655.2	620.2	571.2	544.1	542.7	462.7	388.6	376.5	372.2
42.5°	790.8	768.9	746.3	720.2	676.9	633.6	607.0	562.0	502.4	449.7	430.9
40°	838.1	812.6	791.5	769.9	735.0	690.8	669.3	610.2	565.4	519.7	504.5
37.5°	895.3	846.9	865.8	824.9	792.6	781.8	765.1	703.6	604.3	596.0	588.3
35°	1023.0	977.8	1021.3	1013.6	884.7	899.1	910.2	834.6	730.6	674.3	675.5
32.5°	1314.3	1210.1	1178.3	1217.3	1149.5	1037.0	1038.7	1015.7	873.8	791.8	755.9
30°	1419.9	1373.5	1323.4	1316.6	1266.2	1201.1	1159.8	1104.5	1001.2	907.6	846.1
27.5°	1465.4	1423.3	1381.1	1348.5	1319.4	1275.2	1221.3	1156.3	1082.9	999.0	939.2
25°	1497.8	1450.8	1414.3	1378.4	1347.0	1313.5	1258.5	1195.2	1126.7	1059.1	994.9
22.5°	1523.9	1480.1	1440.9	1402.2	1376.7	1340.7	1291.2	1225.9	1179.9	1136.9	1053.5
20°	1552.5	1510.2	1466.1	1467.9	1430.4	1370.4	1322.8	1290.3	1284.0	1235.6	1127.9
17.5°	1676.4	1560.2	1581.8	1622.8	1540.0	1431.1	1414.1	1415.9	1395.9	1351.0	1217.1
15°	1941.9	1774.0	1775.5	1803.7	1714.0	1580.2	1549.3	1545.5	1514.0	1464.3	1311.2
12.5°	2025.5	1969.4	1959.1	1917.1	1829.1	1729.1	1692.4	1672.6	1614.9	1518.7	1379.0
10°	2053.8	2021.3	1978.1	1935.8	1882.3	1842.2	1790.0	1717.8	1635.9	1543.2	1429.5
7.5°	2057.1	2023.4	1988.6	1948.3	1901.4	1854.3	1802.7	1731.0	1651.8	1560.8	1465.0
5°	2055.2	2021.5	1989.3	1950.8	1903.2	1857.5	1810.8	1739.9	1662.5	1572.3	1488.4
2.5°	2050.1	2016.1	1985.4	1950.4	1903.1	1858.9	1815.8	1749.4	1670.2	1581.8	1496.2
0°	2057.4	2023.8	1994.7	1955.6	1912.7	1861.5	1818.2	1759.2	1673.9	1588.1	1499.2
-2.5°	2060.6	2025.8	1999.2	1955.0	1919.5	1867.2	1823.4	1766.4	1680.9	1599.3	1506.3
-5°	2077.2	2042.6	2007.9	1963.6	1926.2	1877.3	1828.0	1769.3	1686.1	1605.3	1509.5
-7.5°	2088.1	2053.1	2012.6	1969.7	1932.1	1885.5	1830.8	1769.5	1690.9	1605.2	1511.0
-10°	2095.0	2058.3	2018.4	1974.4	1935.6	1887.7	1829.9	1768.0	1689.9	1601.5	1507.6
-12.5°	2104.6	2063.4	2022.2	1972.3	1933.4	1884.1	1826.4	1764.5	1682.7	1594.4	1499.0
-15°	2108.2	2065.8	2017.8	1968.8	1926.3	1878.4	1818.8	1754.0	1670.1	1583.6	1484.9
-17.5°	2109.7	2061.5	2010.2	1963.3	1917.5	1866.6	1803.8	1734.9	1653.8	1564.5	1466.3
-20°	2108.5	2052.4	1999.7	1948.5	1900.6	1849.0	1784.1	1715.9	1630.6	1539.8	1442.2



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2087.0	2036.2	1982.8	1927.4	1880.2	1825.5	1761.9	1691.3	1600.5	1512.7	1411.6
-25°	2063.3	2012.0	1956.8	1905.3	1855.1	1800.7	1735.4	1655.3	1569.1	1477.7	1374.4
-27.5°	2035.3	1981.4	1924.4	1871.9	1818.8	1765.3	1697.8	1617.2	1534.2	1434.3	1334.0
-30°	1997.5	1941.9	1883.7	1823.7	1775.2	1720.6	1653.9	1575.6	1486.4	1387.8	1292.4
-32.5°	1946.2	1893.8	1835.7	1778.6	1728.0	1670.7	1603.4	1525.6	1432.0	1338.8	1239.5
-35°	1894.0	1839.8	1784.4	1730.7	1677.3	1617.3	1548.6	1463.9	1374.5	1282.2	1179.0
-37.5°	1834.5	1777.9	1725.9	1674.9	1619.8	1558.3	1482.5	1400.7	1313.6	1211.9	1113.8
-40°	1770.5	1716.0	1659.2	1608.7	1550.0	1488.0	1414.7	1335.3	1239.3	1138.9	1046.7
-42.5°	1694.5	1640.1	1581.6	1525.4	1468.4	1409.4	1343.2	1257.2	1162.1	1067.4	971.7
-45°	1602.8	1548.3	1490.8	1432.9	1379.5	1322.2	1260.5	1168.9	1075.1	984.8	892.9
-47.5°	1499.5	1446.8	1391.3	1333.9	1283.1	1225.5	1150.5	1065.2	982.1	896.2	802.2
-50°	1387.4	1337.2	1285.9	1232.6	1175.6	1110.7	1038.6	964.2	882.0	793.8	707.9
-52.5°	1264.9	1219.0	1170.5	1119.3	1060.4	996.0	928.5	849.5	767.4	692.6	614.5
-55°	1137.0	1091.7	1043.8	992.6	937.7	874.0	804.1	732.2	665.2	596.0	536.4
-57.5°	995.5	952.5	906.9	858.6	807.9	748.7	687.3	626.4	573.3	519.5	465.4
-60°	844.3	804.2	765.3	722.5	675.7	624.7	580.0	535.0	490.0	447.1	403.5
-62.5°	697.8	664.2	629.3	594.6	559.0	522.2	485.2	450.4	414.9	378.6	346.5
-65°	559.4	533.9	506.3	482.3	457.0	430.4	400.6	373.4	347.6	320.9	293.7
-67.5°	443.2	425.0	405.5	386.5	369.2	350.8	329.9	307.9	287.4	267.7	247.6
-70°	347.7	335.6	323.0	309.1	295.3	281.5	266.1	249.8	233.4	218.6	204.5
-72.5°	266.8	258.5	248.9	239.0	228.3	218.9	208.4	197.4	186.3	175.1	164.4
-75°	206.4	200.4	193.8	186.4	177.4	166.8	158.9	153.5	146.8	138.7	129.7
-77.5°	163.3	158.9	154.2	147.8	141.3	134.5	127.7	121.1	114.6	108.4	102.8
-80°	120.2	118.1	115.5	110.2	104.9	99.7	94.6	90.6	86.8	82.6	77.4
-82.5°	70.5	70.3	69.5	66.6	63.6	60.7	57.9	55.0	52.0	48.9	45.7
-85°	22.8	24.0	25.0	25.5	25.8	25.9	25.7	25.0	24.1	23.1	22.0
-87.5°	5.0	5.0	5.0	5.2	5.4	5.5	5.7	5.9	6.2	6.4	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.7
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.8
72.5°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.6	0.7	0.8
70°	0.6	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8
67.5°	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.0	0.8	0.9
65°	0.7	0.8	0.9	1.3	1.1	0.8	0.9	1.8	1.4	1.2	0.9
62.5°	1.5	0.8	2.9	3.9	2.2	1.7	1.4	4.0	2.5	1.7	1.2
60°	3.6	2.9	8.1	13.0	9.1	3.0	4.5	7.0	6.4	2.2	1.7
57.5°	33.8	11.6	16.8	24.3	23.9	13.0	9.4	12.6	10.9	6.3	2.5
55°	72.2	60.7	40.1	36.7	39.7	32.0	20.8	20.4	16.8	11.6	4.0
52.5°	99.0	103.3	89.9	62.8	54.7	52.1	40.7	29.6	26.3	17.4	10.1
50°	143.3	133.5	132.1	110.9	76.7	69.4	60.1	46.3	36.9	24.9	17.1
47.5°	202.5	177.9	164.8	155.3	122.4	88.5	78.8	63.4	48.6	35.9	24.4
45°	289.3	229.9	204.7	189.2	167.8	124.5	98.7	79.9	63.4	48.3	32.0
42.5°	376.6	297.2	250.1	225.2	202.9	165.1	119.8	99.0	77.8	60.8	41.7
40°	453.6	366.7	298.0	265.9	237.4	204.4	154.2	119.4	91.9	73.7	52.7
37.5°	546.3	445.7	353.0	308.5	274.1	237.2	189.0	140.7	108.9	87.2	63.7
35°	636.0	548.1	414.6	360.0	315.0	270.8	222.6	165.9	129.7	101.0	74.8
32.5°	732.3	644.3	507.5	417.5	357.3	305.1	254.0	196.6	150.6	114.9	85.8
30°	808.1	707.7	589.1	475.0	403.4	343.4	285.3	226.0	171.6	129.0	96.9
27.5°	848.3	762.5	653.5	539.2	455.2	382.7	317.5	254.1	192.5	144.4	108.4
25°	889.8	801.2	699.6	595.3	506.4	424.3	349.7	280.9	215.4	161.8	119.9
22.5°	939.6	834.0	738.4	639.8	559.2	466.5	383.4	308.0	238.3	178.9	131.1
20°	989.5	864.5	776.7	700.3	611.0	512.1	418.6	334.5	259.9	195.5	142.2
17.5°	1042.0	919.9	841.7	759.3	662.6	556.3	453.3	360.1	280.1	211.6	152.9
15°	1133.1	1002.8	907.2	816.7	714.0	598.9	487.2	384.8	299.0	227.1	162.8
12.5°	1215.9	1080.0	972.8	872.3	764.6	639.4	519.8	408.2	316.5	239.4	171.7
10°	1284.5	1151.6	1037.6	925.6	813.6	677.7	551.0	427.3	327.0	248.6	179.8
7.5°	1340.6	1217.7	1100.7	976.3	855.7	702.8	566.7	438.4	335.2	256.4	187.3
5°	1381.1	1261.9	1134.3	994.0	868.9	713.0	577.4	447.5	341.7	262.9	194.0
2.5°	1392.8	1275.4	1146.9	1003.7	877.8	719.7	585.0	454.4	346.8	268.2	199.9
0°	1399.6	1284.3	1154.8	1009.6	882.3	722.8	589.6	459.2	350.4	272.4	205.1
-2.5°	1409.1	1292.0	1162.4	1024.9	885.3	732.5	592.2	462.3	354.9	273.9	208.1
-5°	1413.8	1295.0	1166.1	1035.2	884.6	738.3	591.9	463.2	357.8	274.4	210.3
-7.5°	1411.7	1294.0	1166.2	1038.4	880.6	739.6	588.7	462.2	359.0	274.0	211.7
-10°	1405.4	1288.8	1161.7	1030.1	876.9	734.4	583.0	459.2	358.3	272.9	212.3
-12.5°	1395.7	1279.0	1152.6	1018.1	869.2	723.6	576.2	454.2	355.4	271.0	211.9
-15°	1383.1	1264.7	1138.8	1002.8	856.6	709.3	566.0	446.9	349.8	268.9	210.7
-17.5°	1367.0	1246.1	1120.2	984.8	838.8	691.5	552.4	437.4	342.7	266.2	208.1
-20°	1338.2	1221.1	1096.5	964.2	815.7	670.5	535.3	425.7	334.3	262.5	204.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1305.9	1190.2	1067.0	936.5	787.9	646.2	514.5	411.7	324.7	257.7	200.2
-25°	1271.5	1155.3	1032.7	898.1	757.2	620.7	493.7	395.6	313.8	251.7	195.1
-27.5°	1231.0	1115.9	993.8	855.8	721.5	591.0	473.8	381.3	303.2	244.5	189.4
-30°	1185.4	1069.5	945.2	810.7	682.4	556.7	451.4	366.0	294.3	236.7	183.0
-32.5°	1133.2	1018.4	891.4	764.5	641.1	520.3	426.8	349.7	284.0	228.5	177.0
-35°	1073.9	959.0	834.4	714.9	597.4	490.9	402.7	332.4	272.3	219.5	170.8
-37.5°	1012.0	895.2	777.3	663.2	550.9	459.0	381.0	315.3	259.2	209.9	163.9
-40°	941.4	829.5	717.4	609.8	510.6	424.8	357.5	298.4	246.9	199.7	156.4
-42.5°	868.6	760.6	654.9	553.4	470.9	397.0	332.9	280.2	233.9	189.9	148.2
-45°	790.2	687.9	588.5	505.9	430.5	367.5	311.4	261.3	220.0	179.8	139.7
-47.5°	707.5	611.3	528.2	456.3	396.1	337.9	288.5	245.0	205.4	169.0	131.3
-50°	619.8	539.9	472.6	413.3	359.1	311.2	265.6	227.9	192.0	157.1	122.4
-52.5°	542.1	478.1	422.4	371.6	326.4	283.1	246.0	210.4	178.3	145.6	113.1
-55°	475.6	423.1	376.1	333.8	294.0	259.1	225.6	194.9	164.1	134.2	103.7
-57.5°	418.1	372.2	334.6	297.9	265.0	235.3	207.0	179.0	150.6	122.3	96.3
-60°	362.9	328.6	295.1	265.6	237.8	212.6	189.5	163.1	136.8	110.4	88.0
-62.5°	315.2	285.9	260.6	234.9	211.8	191.2	171.8	147.5	122.8	99.5	79.1
-65°	270.5	248.0	226.5	206.0	186.7	169.3	153.6	131.6	108.6	87.9	69.8
-67.5°	228.0	211.1	194.2	177.0	161.8	147.7	134.3	114.4	93.9	75.6	60.5
-70°	190.1	175.7	162.4	149.6	137.3	125.6	112.9	96.2	78.5	64.6	51.0
-72.5°	154.3	143.8	132.7	122.2	113.2	102.8	91.2	78.1	65.7	53.4	41.3
-75°	121.2	114.2	106.5	98.1	89.7	80.4	72.7	63.6	52.7	42.0	33.3
-77.5°	96.9	90.1	82.4	75.7	70.1	63.7	56.7	48.8	40.2	32.7	25.7
-80°	71.5	66.3	61.9	58.1	52.8	47.1	41.3	35.5	29.2	23.4	18.0
-82.5°	43.6	42.5	41.3	39.5	35.1	30.8	26.7	22.5	18.1	14.0	11.6
-85°	21.8	21.4	20.7	19.8	17.1	14.5	13.3	12.1	10.6	9.1	7.7
-87.5°	7.2	7.7	8.2	8.5	7.9	7.3	6.7	6.0	5.3	4.6	3.9
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.1	0.1	0.1	0.0
85°	0.5	0.4	0.3	0.2	0.2	0.1	0.0
82.5°	0.7	0.6	0.5	0.4	0.2	0.2	0.0
80°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
77.5°	0.9	0.9	0.8	0.6	0.4	0.3	0.0
75°	0.9	0.9	0.9	0.7	0.5	0.3	0.0
72.5°	0.9	1.0	1.0	0.8	0.6	0.3	0.0
70°	1.0	1.0	1.0	0.9	0.6	0.4	0.0
67.5°	1.1	1.1	1.1	1.0	0.7	0.4	0.0
65°	1.2	1.2	1.1	1.0	0.8	0.5	0.0
62.5°	1.4	1.5	1.2	1.1	0.9	0.5	0.0
60°	1.7	1.8	1.2	1.1	1.0	0.6	0.0
57.5°	3.2	2.2	1.6	1.2	1.0	0.6	0.0
55°	5.0	2.6	2.0	1.2	1.1	0.7	0.0
52.5°	7.2	3.4	2.4	1.3	1.1	0.7	0.0
50°	9.8	5.7	2.8	1.3	1.2	0.8	0.0
47.5°	13.1	8.3	3.2	1.5	1.2	0.8	0.0
45°	19.8	11.0	3.7	1.8	1.3	0.9	0.0
42.5°	26.6	13.9	4.2	2.2	1.4	0.9	0.0
40°	33.5	17.0	5.6	2.6	1.4	0.9	0.0
37.5°	40.6	20.2	8.0	3.2	1.5	1.0	0.0
35°	47.8	25.1	10.5	3.8	1.5	1.0	0.0
32.5°	55.6	30.8	12.9	4.5	1.6	1.1	0.0
30°	64.6	36.5	15.4	5.2	1.7	1.1	0.0
27.5°	73.3	42.0	18.5	6.0	1.7	1.1	0.0
25°	81.9	47.5	21.7	6.8	1.8	1.2	0.0
22.5°	90.2	53.1	24.8	7.6	1.8	1.2	0.0
20°	98.2	59.1	27.9	8.5	1.9	1.2	0.0
17.5°	106.1	64.9	31.0	9.4	2.0	1.3	0.0
15°	113.7	70.5	34.0	10.3	2.0	1.3	0.0
12.5°	120.9	75.8	36.9	11.2	2.1	1.3	0.0
10°	127.5	80.8	39.6	12.1	2.1	1.3	0.0
7.5°	133.6	85.5	42.2	12.9	2.2	1.4	0.0
5°	139.1	89.9	44.7	13.7	2.2	1.4	0.0
2.5°	144.0	93.8	46.9	14.5	2.3	1.4	0.0
0°	148.4	97.3	48.9	15.2	2.3	1.4	0.0
-2.5°	150.6	99.5	50.8	16.2	2.7	1.5	0.0
-5°	152.2	101.3	52.3	17.1	3.0	1.6	0.0
-7.5°	153.2	102.5	53.6	17.9	3.4	1.6	0.0
-10°	153.7	103.3	54.6	18.6	3.7	1.7	0.0
-12.5°	153.6	103.6	55.3	19.2	4.0	1.8	0.0
-15°	153.0	103.5	55.6	19.7	4.3	1.8	0.0
-17.5°	151.9	102.9	55.5	20.0	4.6	1.9	0.0
-20°	150.1	101.8	55.1	20.3	4.8	1.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	147.6	100.2	54.4	20.3	5.1	1.9	0.0
-25°	144.5	97.8	53.2	20.2	5.3	2.0	0.0
-27.5°	140.9	94.8	51.6	20.0	5.5	2.0	0.0
-30°	136.6	91.4	49.7	19.6	5.6	2.0	0.0
-32.5°	131.8	87.6	47.5	19.0	5.7	2.0	0.0
-35°	126.6	83.4	44.9	18.2	5.8	2.0	0.0
-37.5°	121.0	79.1	42.2	17.3	5.8	2.0	0.0
-40°	115.0	75.3	39.1	16.3	5.8	2.0	0.0
-42.5°	108.5	71.2	36.9	15.1	5.8	2.0	0.0
-45°	101.7	66.8	35.3	13.9	5.7	1.9	0.0
-47.5°	94.4	62.2	33.5	12.5	5.6	1.9	0.0
-50°	88.3	57.3	31.3	12.1	5.5	1.8	0.0
-52.5°	82.3	52.2	28.9	11.9	5.3	1.7	0.0
-55°	76.0	48.3	26.3	11.5	5.1	1.7	0.0
-57.5°	69.5	44.4	23.4	11.0	4.9	1.6	0.0
-60°	62.8	40.1	20.3	10.4	4.6	1.5	0.0
-62.5°	56.8	35.4	18.9	9.6	4.3	1.4	0.0
-65°	50.2	30.5	17.2	8.8	4.0	1.3	0.0
-67.5°	43.3	26.3	15.4	7.9	3.7	1.2	0.0
-70°	36.0	23.0	13.4	6.8	3.3	1.1	0.0
-72.5°	30.5	19.5	11.2	6.0	3.0	1.0	0.0
-75°	24.9	15.8	8.9	5.2	2.6	0.8	0.0
-77.5°	19.0	11.8	7.4	4.4	2.2	0.7	0.0
-80°	13.0	9.0	6.0	3.6	1.7	0.6	0.0
-82.5°	9.5	6.8	4.5	2.7	1.3	0.4	0.0
-85°	6.4	4.6	3.0	1.8	0.9	0.3	0.0
-87.5°	3.2	2.3	1.5	0.9	0.4	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)