

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-722-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

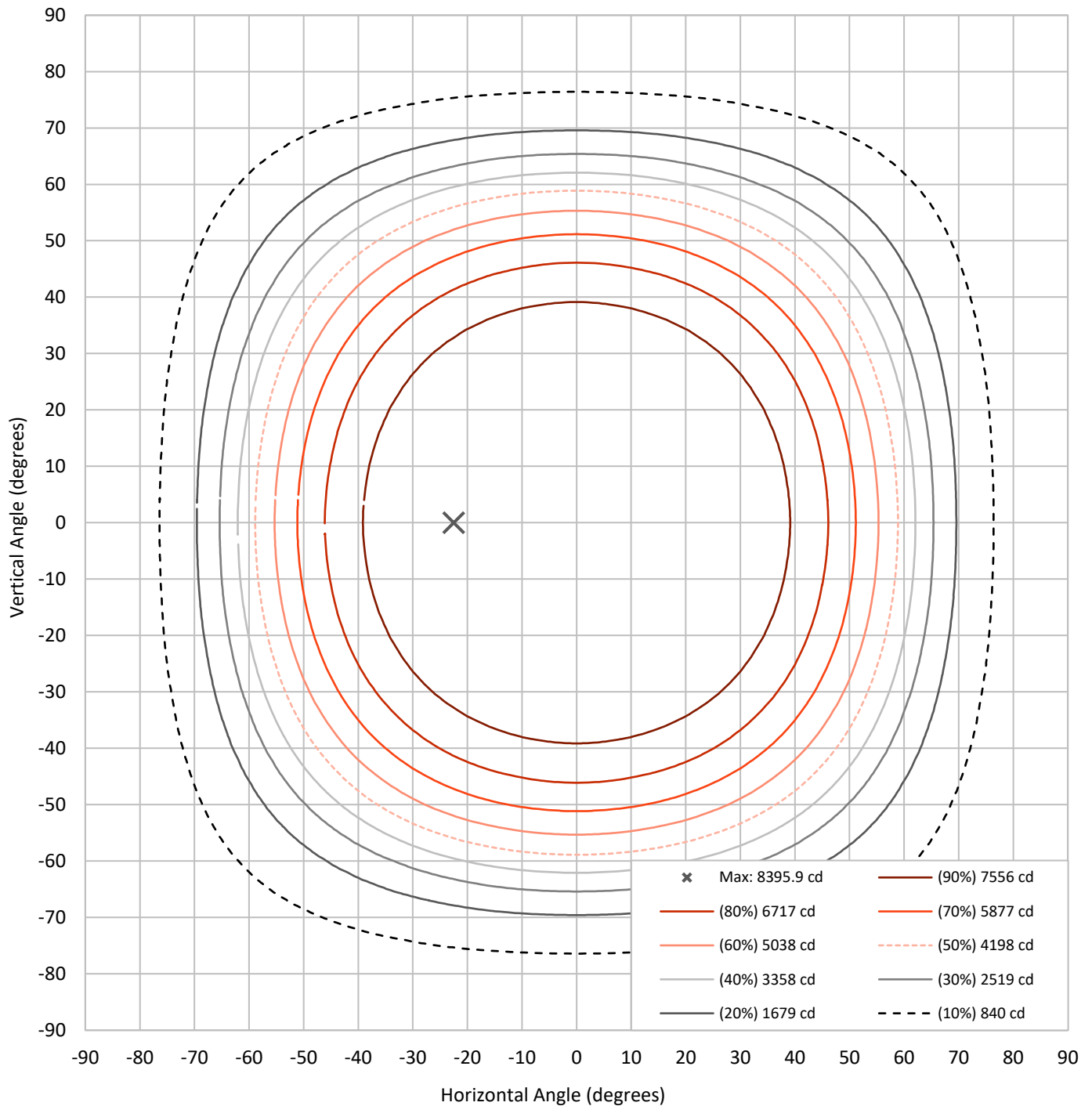
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	25683.6 lumens	Max Intensity:	8395.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	100.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	21374.4 lumens	Field Lumens:	25178.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
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		



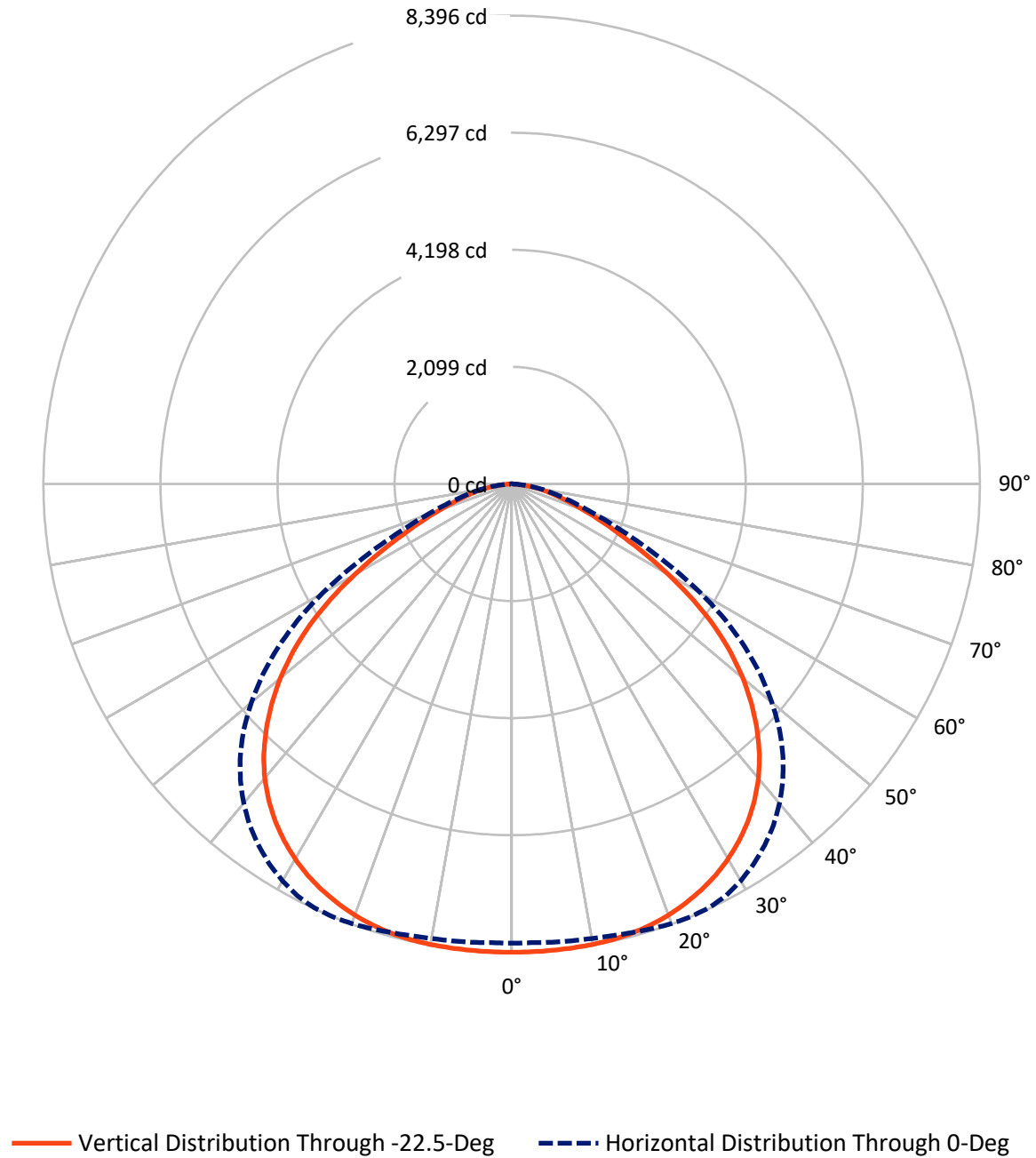
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Iso-Candela Plot



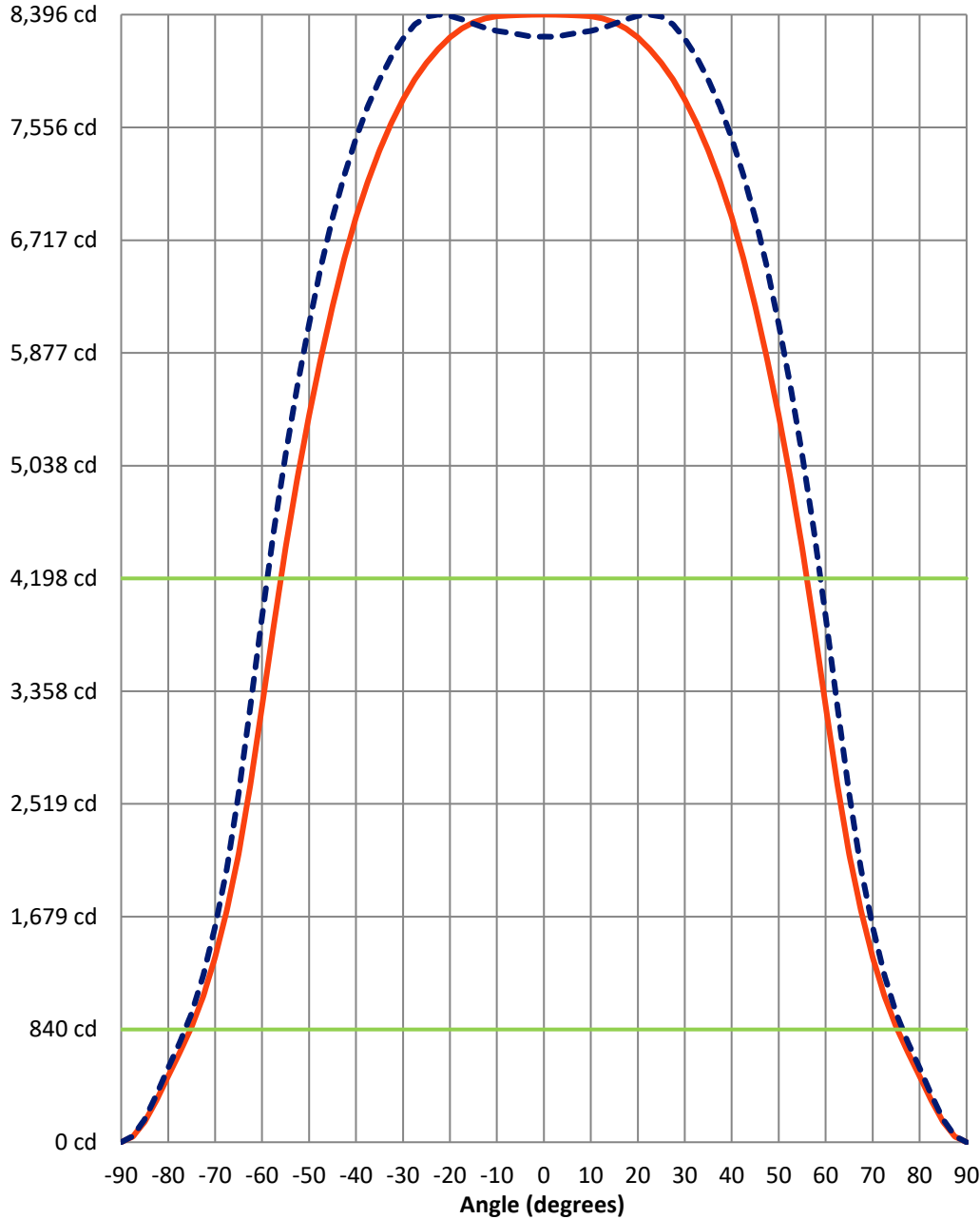
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 21374.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 25178.5
 Efficiency: 98.0%

Spill:
 Lumens: 505.1
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-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	2.0	4.0	6.0	8.0	9.9	11.9	13.8	15.7	17.6	19.4
85°	0.0	4.0	8.0	12.0	15.9	19.8	23.7	27.6	31.4	35.1	38.8
82.5°	0.0	6.0	12.0	17.9	23.8	29.7	35.5	41.3	48.8	64.1	79.0
80°	0.0	8.0	15.9	23.8	31.7	39.5	49.7	70.6	91.1	111.4	131.3
77.5°	0.0	9.9	19.8	29.7	39.5	55.2	81.5	107.5	133.2	158.5	189.0
75°	0.0	11.9	23.7	35.5	49.7	81.5	112.9	144.1	176.6	220.7	264.0
72.5°	0.0	13.8	27.6	41.3	70.6	107.5	144.1	184.6	236.6	287.8	338.2
70°	0.0	15.7	31.4	48.8	91.1	133.2	176.6	236.6	295.8	354.4	417.7
67.5°	0.0	17.6	35.1	64.1	111.4	158.5	220.7	287.8	354.4	426.5	497.5
65°	0.0	19.4	38.8	79.0	131.3	189.0	264.0	338.2	417.7	497.5	575.1
62.5°	0.0	21.2	42.3	93.7	150.9	224.4	306.4	391.3	479.8	566.6	648.8
60°	0.0	22.9	45.9	108.0	169.9	259.1	348.0	444.6	540.7	631.8	721.1
57.5°	0.0	24.7	55.1	122.0	196.6	292.9	392.3	496.8	598.0	695.6	798.3
55°	0.0	26.3	64.2	135.6	223.0	325.9	435.8	547.5	653.4	759.7	876.6
52.5°	0.0	27.9	73.0	148.8	248.6	358.4	478.1	594.9	707.2	828.3	952.9
50°	0.0	29.5	81.5	161.5	273.3	392.5	519.1	640.5	761.4	894.9	1047.7
47.5°	0.0	31.0	89.7	175.2	297.2	425.5	558.4	684.6	818.6	959.4	1141.9
45°	0.0	32.5	97.6	192.4	320.2	457.1	594.7	727.0	873.7	1040.5	1232.8
42.5°	0.0	33.8	105.1	208.9	342.2	487.5	629.5	770.9	926.6	1118.9	1339.9
40°	0.0	35.2	112.3	224.6	364.3	516.5	662.7	815.0	982.3	1194.0	1445.7
37.5°	0.0	36.4	119.1	239.5	386.2	544.0	694.3	857.0	1045.6	1270.7	1546.6
35°	0.0	37.6	125.6	253.6	407.0	569.2	724.2	896.7	1105.5	1356.3	1649.6
32.5°	0.0	38.7	131.7	266.9	426.5	592.6	753.5	934.1	1161.9	1437.1	1757.9
30°	0.0	39.7	137.3	279.3	444.8	614.4	783.3	971.6	1214.8	1512.7	1859.4
27.5°	0.0	40.7	142.6	290.8	461.7	634.7	811.0	1014.3	1268.7	1583.1	1953.8
25°	0.0	41.6	147.4	301.3	477.3	653.3	836.5	1053.6	1325.9	1656.4	2042.1
22.5°	0.0	42.4	151.8	311.0	491.5	670.3	859.8	1089.5	1378.2	1727.4	2145.2
20°	0.0	43.1	155.8	319.6	504.2	685.6	880.7	1121.8	1425.3	1791.5	2238.2
17.5°	0.0	43.8	159.3	327.3	515.6	699.2	899.3	1150.6	1467.1	1848.5	2321.0
15°	0.0	44.3	162.4	334.0	525.4	711.0	915.5	1175.6	1503.6	1898.2	2393.3
12.5°	0.0	44.8	165.0	339.7	533.8	721.1	929.3	1196.9	1534.6	1940.5	2454.8
10°	0.0	45.2	167.1	344.4	540.7	729.4	940.6	1214.4	1560.1	1975.2	2505.4
7.5°	0.0	45.5	168.8	348.0	546.1	735.8	949.4	1228.0	1580.0	2002.4	2544.9
5°	0.0	45.7	169.9	350.6	549.9	740.4	955.7	1237.8	1594.3	2021.8	2573.2
2.5°	0.0	45.9	170.7	352.2	552.2	743.2	959.5	1243.6	1602.8	2033.5	2590.2
0°	0.0	45.9	170.9	352.7	553.0	744.1	960.8	1245.6	1605.7	2037.4	2595.9
-2.5°	0.0	45.9	170.7	352.2	552.2	743.2	959.5	1243.6	1602.8	2033.5	2590.2
-5°	0.0	45.7	169.9	350.6	549.9	740.4	955.7	1237.8	1594.3	2021.8	2573.2
-7.5°	0.0	45.5	168.8	348.0	546.1	735.8	949.4	1228.0	1580.0	2002.4	2544.9
-10°	0.0	45.2	167.1	344.4	540.7	729.4	940.6	1214.4	1560.1	1975.2	2505.4
-12.5°	0.0	44.8	165.0	339.7	533.8	721.1	929.3	1196.9	1534.6	1940.5	2454.8
-15°	0.0	44.3	162.4	334.0	525.4	711.0	915.5	1175.6	1503.6	1898.2	2393.3
-17.5°	0.0	43.8	159.3	327.3	515.6	699.2	899.3	1150.6	1467.1	1848.5	2321.0
-20°	0.0	43.1	155.8	319.6	504.2	685.6	880.7	1121.8	1425.3	1791.5	2238.2



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 CATALOG NUMBER: GFLD-SA4E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	42.4	151.8	311.0	491.5	670.3	859.8	1089.5	1378.2	1727.4	2145.2
-25°	0.0	41.6	147.4	301.3	477.3	653.3	836.5	1053.6	1325.9	1656.4	2042.1
-27.5°	0.0	40.7	142.6	290.8	461.7	634.7	811.0	1014.3	1268.7	1583.1	1953.8
-30°	0.0	39.7	137.3	279.3	444.8	614.4	783.3	971.6	1214.8	1512.7	1859.4
-32.5°	0.0	38.7	131.7	266.9	426.5	592.6	753.5	934.1	1161.9	1437.1	1757.9
-35°	0.0	37.6	125.6	253.6	407.0	569.2	724.2	896.7	1105.5	1356.3	1649.6
-37.5°	0.0	36.4	119.1	239.5	386.2	544.0	694.3	857.0	1045.6	1270.7	1546.6
-40°	0.0	35.2	112.3	224.6	364.3	516.5	662.7	815.0	982.3	1194.0	1445.7
-42.5°	0.0	33.8	105.1	208.9	342.2	487.5	629.5	770.9	926.6	1118.9	1339.9
-45°	0.0	32.5	97.6	192.4	320.2	457.1	594.7	727.0	873.7	1040.5	1232.8
-47.5°	0.0	31.0	89.7	175.2	297.2	425.5	558.4	684.6	818.6	959.4	1141.9
-50°	0.0	29.5	81.5	161.5	273.3	392.5	519.1	640.5	761.4	894.9	1047.7
-52.5°	0.0	27.9	73.0	148.8	248.6	358.4	478.1	594.9	707.2	828.3	952.9
-55°	0.0	26.3	64.2	135.6	223.0	325.9	435.8	547.5	653.4	759.7	876.6
-57.5°	0.0	24.7	55.1	122.0	196.6	292.9	392.3	496.8	598.0	695.6	798.3
-60°	0.0	22.9	45.9	108.0	169.9	259.1	348.0	444.6	540.7	631.8	721.1
-62.5°	0.0	21.2	42.3	93.7	150.9	224.4	306.4	391.3	479.8	566.6	648.8
-65°	0.0	19.4	38.8	79.0	131.3	189.0	264.0	338.2	417.7	497.5	575.1
-67.5°	0.0	17.6	35.1	64.1	111.4	158.5	220.7	287.8	354.4	426.5	497.5
-70°	0.0	15.7	31.4	48.8	91.1	133.2	176.6	236.6	295.8	354.4	417.7
-72.5°	0.0	13.8	27.6	41.3	70.6	107.5	144.1	184.6	236.6	287.8	338.2
-75°	0.0	11.9	23.7	35.5	49.7	81.5	112.9	144.1	176.6	220.7	264.0
-77.5°	0.0	9.9	19.8	29.7	39.5	55.2	81.5	107.5	133.2	158.5	189.0
-80°	0.0	8.0	15.9	23.8	31.7	39.5	49.7	70.6	91.1	111.4	131.3
-82.5°	0.0	6.0	12.0	17.9	23.8	29.7	35.5	41.3	48.8	64.1	79.0
-85°	0.0	4.0	8.0	12.0	15.9	19.8	23.7	27.6	31.4	35.1	38.8
-87.5°	0.0	2.0	4.0	6.0	8.0	9.9	11.9	13.8	15.7	17.6	19.4
-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-SA4E-722-U-LAM-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°	21.2	22.9	24.7	26.3	27.9	29.5	31.0	32.5	33.8	35.2	36.4
85°	42.3	45.9	55.1	64.2	73.0	81.5	89.7	97.6	105.1	112.3	119.1
82.5°	93.7	108.0	122.0	135.6	148.8	161.5	175.2	192.4	208.9	224.6	239.5
80°	150.9	169.9	196.6	223.0	248.6	273.3	297.2	320.2	342.2	364.3	386.2
77.5°	224.4	259.1	292.9	325.9	358.4	392.5	425.5	457.1	487.5	516.5	544.0
75°	306.4	348.0	392.3	435.8	478.1	519.1	558.4	594.7	629.5	662.7	694.3
72.5°	391.3	444.6	496.8	547.5	594.9	640.5	684.6	727.0	770.9	815.0	857.0
70°	479.8	540.7	598.0	653.4	707.2	761.4	818.6	873.7	926.6	982.3	1045.6
67.5°	566.6	631.8	695.6	759.7	828.3	894.9	959.4	1040.5	1118.9	1194.0	1270.7
65°	648.8	721.1	798.3	876.6	952.9	1047.7	1141.9	1232.8	1339.9	1445.7	1546.6
62.5°	729.6	817.7	905.8	1001.6	1111.8	1218.9	1343.1	1469.8	1591.8	1729.2	1862.9
60°	817.7	915.5	1027.3	1150.6	1277.4	1425.3	1568.6	1727.4	1887.5	2042.1	2231.9
57.5°	905.8	1027.3	1163.5	1310.4	1474.9	1641.0	1827.5	2007.9	2224.4	2440.7	2655.8
55°	1001.6	1150.6	1310.4	1491.5	1681.1	1888.0	2104.2	2356.3	2600.3	2872.1	3132.4
52.5°	1111.8	1277.4	1474.9	1681.1	1908.2	2157.1	2436.1	2724.8	3028.7	3323.9	3613.4
50°	1218.9	1425.3	1641.0	1888.0	2157.1	2462.9	2787.4	3123.6	3455.4	3779.1	4082.2
47.5°	1343.1	1568.6	1827.5	2104.2	2436.1	2787.4	3155.4	3521.7	3879.6	4211.6	4529.6
45°	1469.8	1727.4	2007.9	2356.3	2724.8	3123.6	3521.7	3913.2	4276.8	4619.9	4920.1
42.5°	1591.8	1887.5	2224.4	2600.3	3028.7	3455.4	3879.6	4276.8	4649.3	4979.8	5281.3
40°	1729.2	2042.1	2440.7	2872.1	3323.9	3779.1	4211.6	4619.9	4979.8	5308.8	5614.1
37.5°	1862.9	2231.9	2655.8	3132.4	3613.4	4082.2	4529.6	4920.1	5281.3	5614.1	5907.0
35°	1989.9	2412.3	2884.4	3384.7	3889.6	4366.3	4801.8	5199.3	5558.2	5881.2	6180.6
32.5°	2131.1	2582.9	3100.8	3627.1	4141.3	4626.8	5058.5	5447.3	5804.1	6132.1	6429.4
30°	2276.7	2766.8	3306.2	3855.4	4377.8	4852.6	5283.6	5677.3	6031.3	6355.2	6646.6
27.5°	2412.3	2940.4	3502.1	4062.0	4593.7	5064.4	5489.5	5877.2	6233.2	6559.3	6841.8
25°	2537.6	3100.8	3683.4	4251.1	4775.6	5247.3	5676.2	6063.7	6417.6	6730.6	7005.2
22.5°	2661.3	3247.8	3849.6	4424.6	4942.6	5410.8	5835.9	6224.3	6578.4	6888.5	7152.0
20°	2781.5	3384.7	3996.2	4578.4	5094.2	5559.3	5981.2	6368.8	6713.5	7013.8	7276.1
17.5°	2888.5	3506.7	4124.4	4702.7	5218.9	5686.2	6109.8	6498.6	6835.1	7126.8	7383.2
15°	2982.0	3613.4	4236.6	4811.5	5326.1	5791.6	6215.2	6599.8	6934.0	7223.2	7477.8
12.5°	3061.7	3704.3	4332.3	4904.4	5417.7	5881.8	6305.4	6684.7	7013.3	7298.8	7547.9
10°	3127.2	3779.1	4411.1	4980.9	5493.3	5956.3	6380.1	6755.1	7079.1	7361.6	7606.3
7.5°	3178.4	3837.6	4472.8	5040.9	5552.5	6014.6	6438.6	6810.3	7130.8	7411.1	7652.4
5°	3215.1	3879.6	4517.0	5083.9	5595.0	6056.6	6480.7	6850.1	7168.1	7446.7	7685.6
2.5°	3237.1	3904.8	4543.6	5109.8	5620.6	6081.9	6506.1	6874.1	7190.6	7468.3	7705.8
0°	3244.5	3913.2	4552.5	5118.4	5629.1	6090.3	6514.6	6882.1	7198.1	7475.5	7712.5
-2.5°	3237.1	3904.8	4543.6	5109.8	5620.6	6081.9	6506.1	6874.1	7190.6	7468.3	7705.8
-5°	3215.1	3879.6	4517.0	5083.9	5595.0	6056.6	6480.7	6850.1	7168.1	7446.7	7685.6
-7.5°	3178.4	3837.6	4472.8	5040.9	5552.5	6014.6	6438.6	6810.3	7130.8	7411.1	7652.4
-10°	3127.2	3779.1	4411.1	4980.9	5493.3	5956.3	6380.1	6755.1	7079.1	7361.6	7606.3
-12.5°	3061.7	3704.3	4332.3	4904.4	5417.7	5881.8	6305.4	6684.7	7013.3	7298.8	7547.9
-15°	2982.0	3613.4	4236.6	4811.5	5326.1	5791.6	6215.2	6599.8	6934.0	7223.2	7477.8
-17.5°	2888.5	3506.7	4124.4	4702.7	5218.9	5686.2	6109.8	6498.6	6835.1	7126.8	7383.2
-20°	2781.5	3384.7	3996.2	4578.4	5094.2	5559.3	5981.2	6368.8	6713.5	7013.8	7276.1



REPORT NUMBER: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2661.3	3247.8	3849.6	4424.6	4942.6	5410.8	5835.9	6224.3	6578.4	6888.5	7152.0
-25°	2537.6	3100.8	3683.4	4251.1	4775.6	5247.3	5676.2	6063.7	6417.6	6730.6	7005.2
-27.5°	2412.3	2940.4	3502.1	4062.0	4593.7	5064.4	5489.5	5877.2	6233.2	6559.3	6841.8
-30°	2276.7	2766.8	3306.2	3855.4	4377.8	4852.6	5283.6	5677.3	6031.3	6355.2	6646.6
-32.5°	2131.1	2582.9	3100.8	3627.1	4141.3	4626.8	5058.5	5447.3	5804.1	6132.1	6429.4
-35°	1989.9	2412.3	2884.4	3384.7	3889.6	4366.3	4801.8	5199.3	5558.2	5881.2	6180.6
-37.5°	1862.9	2231.9	2655.8	3132.4	3613.4	4082.2	4529.6	4920.1	5281.3	5614.1	5907.0
-40°	1729.2	2042.1	2440.7	2872.1	3323.9	3779.1	4211.6	4619.9	4979.8	5308.8	5614.1
-42.5°	1591.8	1887.5	2224.4	2600.3	3028.7	3455.4	3879.6	4276.8	4649.3	4979.8	5281.3
-45°	1469.8	1727.4	2007.9	2356.3	2724.8	3123.6	3521.7	3913.2	4276.8	4619.9	4920.1
-47.5°	1343.1	1568.6	1827.5	2104.2	2436.1	2787.4	3155.4	3521.7	3879.6	4211.6	4529.6
-50°	1218.9	1425.3	1641.0	1888.0	2157.1	2462.9	2787.4	3123.6	3455.4	3779.1	4082.2
-52.5°	1111.8	1277.4	1474.9	1681.1	1908.2	2157.1	2436.1	2724.8	3028.7	3323.9	3613.4
-55°	1001.6	1150.6	1310.4	1491.5	1681.1	1888.0	2104.2	2356.3	2600.3	2872.1	3132.4
-57.5°	905.8	1027.3	1163.5	1310.4	1474.9	1641.0	1827.5	2007.9	2224.4	2440.7	2655.8
-60°	817.7	915.5	1027.3	1150.6	1277.4	1425.3	1568.6	1727.4	1887.5	2042.1	2231.9
-62.5°	729.6	817.7	905.8	1001.6	1111.8	1218.9	1343.1	1469.8	1591.8	1729.2	1862.9
-65°	648.8	721.1	798.3	876.6	952.9	1047.7	1141.9	1232.8	1339.9	1445.7	1546.6
-67.5°	566.6	631.8	695.6	759.7	828.3	894.9	959.4	1040.5	1118.9	1194.0	1270.7
-70°	479.8	540.7	598.0	653.4	707.2	761.4	818.6	873.7	926.6	982.3	1045.6
-72.5°	391.3	444.6	496.8	547.5	594.9	640.5	684.6	727.0	770.9	815.0	857.0
-75°	306.4	348.0	392.3	435.8	478.1	519.1	558.4	594.7	629.5	662.7	694.3
-77.5°	224.4	259.1	292.9	325.9	358.4	392.5	425.5	457.1	487.5	516.5	544.0
-80°	150.9	169.9	196.6	223.0	248.6	273.3	297.2	320.2	342.2	364.3	386.2
-82.5°	93.7	108.0	122.0	135.6	148.8	161.5	175.2	192.4	208.9	224.6	239.5
-85°	42.3	45.9	55.1	64.2	73.0	81.5	89.7	97.6	105.1	112.3	119.1
-87.5°	21.2	22.9	24.7	26.3	27.9	29.5	31.0	32.5	33.8	35.2	36.4
-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: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-LAM-XX

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°	37.6	38.7	39.7	40.7	41.6	42.4	43.1	43.8	44.3	44.8	45.2
85°	125.6	131.7	137.3	142.6	147.4	151.8	155.8	159.3	162.4	165.0	167.1
82.5°	253.6	266.9	279.3	290.8	301.3	311.0	319.6	327.3	334.0	339.7	344.4
80°	407.0	426.5	444.8	461.7	477.3	491.5	504.2	515.6	525.4	533.8	540.7
77.5°	569.2	592.6	614.4	634.7	653.3	670.3	685.6	699.2	711.0	721.1	729.4
75°	724.2	753.5	783.3	811.0	836.5	859.8	880.7	899.3	915.5	929.3	940.6
72.5°	896.7	934.1	971.6	1014.3	1053.6	1089.5	1121.8	1150.6	1175.6	1196.9	1214.4
70°	1105.5	1161.9	1214.8	1268.7	1325.9	1378.2	1425.3	1467.1	1503.6	1534.6	1560.1
67.5°	1356.3	1437.1	1512.7	1583.1	1656.4	1727.4	1791.5	1848.5	1898.2	1940.5	1975.2
65°	1649.6	1757.9	1859.4	1953.8	2042.1	2145.2	2238.2	2321.0	2393.3	2454.8	2505.4
62.5°	1989.9	2131.1	2276.7	2412.3	2537.6	2661.3	2781.5	2888.5	2982.0	3061.7	3127.2
60°	2412.3	2582.9	2766.8	2940.4	3100.8	3247.8	3384.7	3506.7	3613.4	3704.3	3779.1
57.5°	2884.4	3100.8	3306.2	3502.1	3683.4	3849.6	3996.2	4124.4	4236.6	4332.3	4411.1
55°	3384.7	3627.1	3855.4	4062.0	4251.1	4424.6	4578.4	4702.7	4811.5	4904.4	4980.9
52.5°	3889.6	4141.3	4377.8	4593.7	4775.6	4942.6	5094.2	5218.9	5326.1	5417.7	5493.3
50°	4366.3	4626.8	4852.6	5064.4	5247.3	5410.8	5559.3	5686.2	5791.6	5881.8	5956.3
47.5°	4801.8	5058.5	5283.6	5489.5	5676.2	5835.9	5981.2	6109.8	6215.2	6305.4	6380.1
45°	5199.3	5447.3	5677.3	5877.2	6063.7	6224.3	6368.8	6498.6	6599.8	6684.7	6755.1
42.5°	5558.2	5804.1	6031.3	6233.2	6417.6	6578.4	6713.5	6835.1	6934.0	7013.3	7079.1
40°	5881.2	6132.1	6355.2	6559.3	6730.6	6888.5	7013.8	7126.8	7223.2	7298.8	7361.6
37.5°	6180.6	6429.4	6646.6	6841.8	7005.2	7152.0	7276.1	7383.2	7477.8	7547.9	7606.3
35°	6454.4	6690.8	6905.7	7084.6	7246.5	7384.8	7506.9	7605.8	7693.7	7760.5	7813.7
32.5°	6690.8	6925.3	7124.8	7300.8	7459.0	7588.0	7705.1	7795.7	7875.4	7939.7	7989.2
30°	6905.7	7124.8	7319.1	7493.5	7637.6	7763.3	7868.7	7957.2	8030.8	8092.2	8135.7
27.5°	7084.6	7300.8	7493.5	7654.3	7792.2	7913.2	8009.7	8094.8	8159.2	8215.6	8253.1
25°	7246.5	7459.0	7637.6	7792.2	7926.1	8036.5	8128.4	8205.6	8262.6	8310.9	8338.7
22.5°	7384.8	7588.0	7763.3	7913.2	8036.5	8139.8	8226.4	8291.6	8338.3	8367.5	8384.0
20°	7506.9	7705.1	7868.7	8009.7	8128.4	8226.4	8301.5	8349.8	8382.3	8390.3	8395.0
17.5°	7605.8	7795.7	7957.2	8094.8	8205.6	8291.6	8349.8	8383.8	8393.6	8391.8	8387.0
15°	7693.7	7875.4	8030.8	8159.2	8262.6	8338.3	8382.3	8393.6	8390.7	8380.9	8365.8
12.5°	7760.5	7939.7	8092.2	8215.6	8310.9	8367.5	8390.3	8391.8	8380.9	8362.1	8340.6
10°	7813.7	7989.2	8135.7	8253.1	8338.7	8384.0	8395.0	8387.0	8365.8	8340.6	8316.7
7.5°	7855.8	8028.4	8170.3	8282.9	8356.9	8389.1	8391.5	8376.3	8350.8	8322.2	8296.5
5°	7886.3	8056.9	8195.5	8304.7	8370.3	8392.8	8388.9	8368.0	8338.4	8308.5	8285.0
2.5°	7904.7	8074.1	8210.8	8317.9	8378.5	8395.1	8387.2	8362.8	8330.6	8299.7	8277.4
0°	7910.9	8079.9	8215.9	8322.4	8381.2	8395.9	8386.7	8361.0	8327.9	8296.7	8274.7
-2.5°	7904.7	8074.1	8210.8	8317.9	8378.5	8395.1	8387.2	8362.8	8330.6	8299.7	8277.4
-5°	7886.3	8056.9	8195.5	8304.7	8370.3	8392.8	8388.9	8368.0	8338.4	8308.5	8285.0
-7.5°	7855.8	8028.4	8170.3	8282.9	8356.9	8389.1	8391.5	8376.3	8350.8	8322.2	8296.5
-10°	7813.7	7989.2	8135.7	8253.1	8338.7	8384.0	8395.0	8387.0	8365.8	8340.6	8316.7
-12.5°	7760.5	7939.7	8092.2	8215.6	8310.9	8367.5	8390.3	8391.8	8380.9	8362.1	8340.6
-15°	7693.7	7875.4	8030.8	8159.2	8262.6	8338.3	8382.3	8393.6	8390.7	8380.9	8365.8
-17.5°	7605.8	7795.7	7957.2	8094.8	8205.6	8291.6	8349.8	8383.8	8393.6	8391.8	8387.0
-20°	7506.9	7705.1	7868.7	8009.7	8128.4	8226.4	8301.5	8349.8	8382.3	8390.3	8395.0



REPORT NUMBER: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7384.8	7588.0	7763.3	7913.2	8036.5	8139.8	8226.4	8291.6	8338.3	8367.5	8384.0
-25°	7246.5	7459.0	7637.6	7792.2	7926.1	8036.5	8128.4	8205.6	8262.6	8310.9	8338.7
-27.5°	7084.6	7300.8	7493.5	7654.3	7792.2	7913.2	8009.7	8094.8	8159.2	8215.6	8253.1
-30°	6905.7	7124.8	7319.1	7493.5	7637.6	7763.3	7868.7	7957.2	8030.8	8092.2	8135.7
-32.5°	6690.8	6925.3	7124.8	7300.8	7459.0	7588.0	7705.1	7795.7	7875.4	7939.7	7989.2
-35°	6454.4	6690.8	6905.7	7084.6	7246.5	7384.8	7506.9	7605.8	7693.7	7760.5	7813.7
-37.5°	6180.6	6429.4	6646.6	6841.8	7005.2	7152.0	7276.1	7383.2	7477.8	7547.9	7606.3
-40°	5881.2	6132.1	6355.2	6559.3	6730.6	6888.5	7013.8	7126.8	7223.2	7298.8	7361.6
-42.5°	5558.2	5804.1	6031.3	6233.2	6417.6	6578.4	6713.5	6835.1	6934.0	7013.3	7079.1
-45°	5199.3	5447.3	5677.3	5877.2	6063.7	6224.3	6368.8	6498.6	6599.8	6684.7	6755.1
-47.5°	4801.8	5058.5	5283.6	5489.5	5676.2	5835.9	5981.2	6109.8	6215.2	6305.4	6380.1
-50°	4366.3	4626.8	4852.6	5064.4	5247.3	5410.8	5559.3	5686.2	5791.6	5881.8	5956.3
-52.5°	3889.6	4141.3	4377.8	4593.7	4775.6	4942.6	5094.2	5218.9	5326.1	5417.7	5493.3
-55°	3384.7	3627.1	3855.4	4062.0	4251.1	4424.6	4578.4	4702.7	4811.5	4904.4	4980.9
-57.5°	2884.4	3100.8	3306.2	3502.1	3683.4	3849.6	3996.2	4124.4	4236.6	4332.3	4411.1
-60°	2412.3	2582.9	2766.8	2940.4	3100.8	3247.8	3384.7	3506.7	3613.4	3704.3	3779.1
-62.5°	1989.9	2131.1	2276.7	2412.3	2537.6	2661.3	2781.5	2888.5	2982.0	3061.7	3127.2
-65°	1649.6	1757.9	1859.4	1953.8	2042.1	2145.2	2238.2	2321.0	2393.3	2454.8	2505.4
-67.5°	1356.3	1437.1	1512.7	1583.1	1656.4	1727.4	1791.5	1848.5	1898.2	1940.5	1975.2
-70°	1105.5	1161.9	1214.8	1268.7	1325.9	1378.2	1425.3	1467.1	1503.6	1534.6	1560.1
-72.5°	896.7	934.1	971.6	1014.3	1053.6	1089.5	1121.8	1150.6	1175.6	1196.9	1214.4
-75°	724.2	753.5	783.3	811.0	836.5	859.8	880.7	899.3	915.5	929.3	940.6
-77.5°	569.2	592.6	614.4	634.7	653.3	670.3	685.6	699.2	711.0	721.1	729.4
-80°	407.0	426.5	444.8	461.7	477.3	491.5	504.2	515.6	525.4	533.8	540.7
-82.5°	253.6	266.9	279.3	290.8	301.3	311.0	319.6	327.3	334.0	339.7	344.4
-85°	125.6	131.7	137.3	142.6	147.4	151.8	155.8	159.3	162.4	165.0	167.1
-87.5°	37.6	38.7	39.7	40.7	41.6	42.4	43.1	43.8	44.3	44.8	45.2
-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: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-LAM-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°	45.5	45.7	45.9	45.9	45.9	45.7	45.5	45.2	44.8	44.3	43.8
85°	168.8	169.9	170.7	170.9	170.7	169.9	168.8	167.1	165.0	162.4	159.3
82.5°	348.0	350.6	352.2	352.7	352.2	350.6	348.0	344.4	339.7	334.0	327.3
80°	546.1	549.9	552.2	553.0	552.2	549.9	546.1	540.7	533.8	525.4	515.6
77.5°	735.8	740.4	743.2	744.1	743.2	740.4	735.8	729.4	721.1	711.0	699.2
75°	949.4	955.7	959.5	960.8	959.5	955.7	949.4	940.6	929.3	915.5	899.3
72.5°	1228.0	1237.8	1243.6	1245.6	1243.6	1237.8	1228.0	1214.4	1196.9	1175.6	1150.6
70°	1580.0	1594.3	1602.8	1605.7	1602.8	1594.3	1580.0	1560.1	1534.6	1503.6	1467.1
67.5°	2002.4	2021.8	2033.5	2037.4	2033.5	2021.8	2002.4	1975.2	1940.5	1898.2	1848.5
65°	2544.9	2573.2	2590.2	2595.9	2590.2	2573.2	2544.9	2505.4	2454.8	2393.3	2321.0
62.5°	3178.4	3215.1	3237.1	3244.5	3237.1	3215.1	3178.4	3127.2	3061.7	2982.0	2888.5
60°	3837.6	3879.6	3904.8	3913.2	3904.8	3879.6	3837.6	3779.1	3704.3	3613.4	3506.7
57.5°	4472.8	4517.0	4543.6	4552.5	4543.6	4517.0	4472.8	4411.1	4332.3	4236.6	4124.4
55°	5040.9	5083.9	5109.8	5118.4	5109.8	5083.9	5040.9	4980.9	4904.4	4811.5	4702.7
52.5°	5552.5	5595.0	5620.6	5629.1	5620.6	5595.0	5552.5	5493.3	5417.7	5326.1	5218.9
50°	6014.6	6056.6	6081.9	6090.3	6081.9	6056.6	6014.6	5956.3	5881.8	5791.6	5686.2
47.5°	6438.6	6480.7	6506.1	6514.6	6506.1	6480.7	6438.6	6380.1	6305.4	6215.2	6109.8
45°	6810.3	6850.1	6874.1	6882.1	6874.1	6850.1	6810.3	6755.1	6684.7	6599.8	6498.6
42.5°	7130.8	7168.1	7190.6	7198.1	7190.6	7168.1	7130.8	7079.1	7013.3	6934.0	6835.1
40°	7411.1	7446.7	7468.3	7475.5	7468.3	7446.7	7411.1	7361.6	7298.8	7223.2	7126.8
37.5°	7652.4	7685.6	7705.8	7712.5	7705.8	7685.6	7652.4	7606.3	7547.9	7477.8	7383.2
35°	7855.8	7886.3	7904.7	7910.9	7904.7	7886.3	7855.8	7813.7	7760.5	7693.7	7605.8
32.5°	8028.4	8056.9	8074.1	8079.9	8074.1	8056.9	8028.4	7989.2	7939.7	7875.4	7795.7
30°	8170.3	8195.5	8210.8	8215.9	8210.8	8195.5	8170.3	8135.7	8092.2	8030.8	7957.2
27.5°	8282.9	8304.7	8317.9	8322.4	8317.9	8304.7	8282.9	8253.1	8215.6	8159.2	8094.8
25°	8356.9	8370.3	8378.5	8381.2	8378.5	8370.3	8356.9	8338.7	8310.9	8262.6	8205.6
22.5°	8389.1	8392.8	8395.1	8395.9	8395.1	8392.8	8389.1	8384.0	8367.5	8338.3	8291.6
20°	8391.5	8388.9	8387.2	8386.7	8387.2	8388.9	8391.5	8395.0	8390.3	8382.3	8349.8
17.5°	8376.3	8368.0	8362.8	8361.0	8362.8	8368.0	8376.3	8387.0	8391.8	8393.6	8383.8
15°	8350.8	8338.4	8330.6	8327.9	8330.6	8338.4	8350.8	8365.8	8380.9	8390.7	8393.6
12.5°	8322.2	8308.5	8299.7	8296.7	8299.7	8308.5	8322.2	8340.6	8362.1	8380.9	8391.8
10°	8296.5	8285.0	8277.4	8274.7	8277.4	8285.0	8296.5	8316.7	8340.6	8365.8	8387.0
7.5°	8279.9	8269.6	8263.9	8261.8	8263.9	8269.6	8279.9	8296.5	8322.2	8350.8	8376.3
5°	8269.6	8259.3	8250.6	8247.1	8250.6	8259.3	8269.6	8285.0	8308.5	8338.4	8368.0
2.5°	8263.9	8250.6	8237.4	8230.6	8237.4	8250.6	8263.9	8277.4	8299.7	8330.6	8362.8
0°	8261.8	8247.1	8230.6	8232.4	8230.6	8247.1	8261.8	8274.7	8296.7	8327.9	8361.0
-2.5°	8263.9	8250.6	8237.4	8230.6	8237.4	8250.6	8263.9	8277.4	8299.7	8330.6	8362.8
-5°	8269.6	8259.3	8250.6	8247.1	8250.6	8259.3	8269.6	8285.0	8308.5	8338.4	8368.0
-7.5°	8279.9	8269.6	8263.9	8261.8	8263.9	8269.6	8279.9	8296.5	8322.2	8350.8	8376.3
-10°	8296.5	8285.0	8277.4	8274.7	8277.4	8285.0	8296.5	8316.7	8340.6	8365.8	8387.0
-12.5°	8322.2	8308.5	8299.7	8296.7	8299.7	8308.5	8322.2	8340.6	8362.1	8380.9	8391.8
-15°	8350.8	8338.4	8330.6	8327.9	8330.6	8338.4	8350.8	8365.8	8380.9	8390.7	8393.6
-17.5°	8376.3	8368.0	8362.8	8361.0	8362.8	8368.0	8376.3	8387.0	8391.8	8393.6	8383.8
-20°	8391.5	8388.9	8387.2	8386.7	8387.2	8388.9	8391.5	8395.0	8390.3	8382.3	8349.8



REPORT NUMBER: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8389.1	8392.8	8395.1	8395.9	8395.1	8392.8	8389.1	8384.0	8367.5	8338.3	8291.6
-25°	8356.9	8370.3	8378.5	8381.2	8378.5	8370.3	8356.9	8338.7	8310.9	8262.6	8205.6
-27.5°	8282.9	8304.7	8317.9	8322.4	8317.9	8304.7	8282.9	8253.1	8215.6	8159.2	8094.8
-30°	8170.3	8195.5	8210.8	8215.9	8210.8	8195.5	8170.3	8135.7	8092.2	8030.8	7957.2
-32.5°	8028.4	8056.9	8074.1	8079.9	8074.1	8056.9	8028.4	7989.2	7939.7	7875.4	7795.7
-35°	7855.8	7886.3	7904.7	7910.9	7904.7	7886.3	7855.8	7813.7	7760.5	7693.7	7605.8
-37.5°	7652.4	7685.6	7705.8	7712.5	7705.8	7685.6	7652.4	7606.3	7547.9	7477.8	7383.2
-40°	7411.1	7446.7	7468.3	7475.5	7468.3	7446.7	7411.1	7361.6	7298.8	7223.2	7126.8
-42.5°	7130.8	7168.1	7190.6	7198.1	7190.6	7168.1	7130.8	7079.1	7013.3	6934.0	6835.1
-45°	6810.3	6850.1	6874.1	6882.1	6874.1	6850.1	6810.3	6755.1	6684.7	6599.8	6498.6
-47.5°	6438.6	6480.7	6506.1	6514.6	6506.1	6480.7	6438.6	6380.1	6305.4	6215.2	6109.8
-50°	6014.6	6056.6	6081.9	6090.3	6081.9	6056.6	6014.6	5956.3	5881.8	5791.6	5686.2
-52.5°	5552.5	5595.0	5620.6	5629.1	5620.6	5595.0	5552.5	5493.3	5417.7	5326.1	5218.9
-55°	5040.9	5083.9	5109.8	5118.4	5109.8	5083.9	5040.9	4980.9	4904.4	4811.5	4702.7
-57.5°	4472.8	4517.0	4543.6	4552.5	4543.6	4517.0	4472.8	4411.1	4332.3	4236.6	4124.4
-60°	3837.6	3879.6	3904.8	3913.2	3904.8	3879.6	3837.6	3779.1	3704.3	3613.4	3506.7
-62.5°	3178.4	3215.1	3237.1	3244.5	3237.1	3215.1	3178.4	3127.2	3061.7	2982.0	2888.5
-65°	2544.9	2573.2	2590.2	2595.9	2590.2	2573.2	2544.9	2505.4	2454.8	2393.3	2321.0
-67.5°	2002.4	2021.8	2033.5	2037.4	2033.5	2021.8	2002.4	1975.2	1940.5	1898.2	1848.5
-70°	1580.0	1594.3	1602.8	1605.7	1602.8	1594.3	1580.0	1560.1	1534.6	1503.6	1467.1
-72.5°	1228.0	1237.8	1243.6	1245.6	1243.6	1237.8	1228.0	1214.4	1196.9	1175.6	1150.6
-75°	949.4	955.7	959.5	960.8	959.5	955.7	949.4	940.6	929.3	915.5	899.3
-77.5°	735.8	740.4	743.2	744.1	743.2	740.4	735.8	729.4	721.1	711.0	699.2
-80°	546.1	549.9	552.2	553.0	552.2	549.9	546.1	540.7	533.8	525.4	515.6
-82.5°	348.0	350.6	352.2	352.7	352.2	350.6	348.0	344.4	339.7	334.0	327.3
-85°	168.8	169.9	170.7	170.9	170.7	169.9	168.8	167.1	165.0	162.4	159.3
-87.5°	45.5	45.7	45.9	45.9	45.9	45.7	45.5	45.2	44.8	44.3	43.8
-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: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-LAM-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°	43.1	42.4	41.6	40.7	39.7	38.7	37.6	36.4	35.2	33.8	32.5
85°	155.8	151.8	147.4	142.6	137.3	131.7	125.6	119.1	112.3	105.1	97.6
82.5°	319.6	311.0	301.3	290.8	279.3	266.9	253.6	239.5	224.6	208.9	192.4
80°	504.2	491.5	477.3	461.7	444.8	426.5	407.0	386.2	364.3	342.2	320.2
77.5°	685.6	670.3	653.3	634.7	614.4	592.6	569.2	544.0	516.5	487.5	457.1
75°	880.7	859.8	836.5	811.0	783.3	753.5	724.2	694.3	662.7	629.5	594.7
72.5°	1121.8	1089.5	1053.6	1014.3	971.6	934.1	896.7	857.0	815.0	770.9	727.0
70°	1425.3	1378.2	1325.9	1268.7	1214.8	1161.9	1105.5	1045.6	982.3	926.6	873.7
67.5°	1791.5	1727.4	1656.4	1583.1	1512.7	1437.1	1356.3	1270.7	1194.0	1118.9	1040.5
65°	2238.2	2145.2	2042.1	1953.8	1859.4	1757.9	1649.6	1546.6	1445.7	1339.9	1232.8
62.5°	2781.5	2661.3	2537.6	2412.3	2276.7	2131.1	1989.9	1862.9	1729.2	1591.8	1469.8
60°	3384.7	3247.8	3100.8	2940.4	2766.8	2582.9	2412.3	2231.9	2042.1	1887.5	1727.4
57.5°	3996.2	3849.6	3683.4	3502.1	3306.2	3100.8	2884.4	2655.8	2440.7	2224.4	2007.9
55°	4578.4	4424.6	4251.1	4062.0	3855.4	3627.1	3384.7	3132.4	2872.1	2600.3	2356.3
52.5°	5094.2	4942.6	4775.6	4593.7	4377.8	4141.3	3889.6	3613.4	3323.9	3028.7	2724.8
50°	5559.3	5410.8	5247.3	5064.4	4852.6	4626.8	4366.3	4082.2	3779.1	3455.4	3123.6
47.5°	5981.2	5835.9	5676.2	5489.5	5283.6	5058.5	4801.8	4529.6	4211.6	3879.6	3521.7
45°	6368.8	6224.3	6063.7	5877.2	5677.3	5447.3	5199.3	4920.1	4619.9	4276.8	3913.2
42.5°	6713.5	6578.4	6417.6	6233.2	6031.3	5804.1	5558.2	5281.3	4979.8	4649.3	4276.8
40°	7013.8	6888.5	6730.6	6559.3	6355.2	6132.1	5881.2	5614.1	5308.8	4979.8	4619.9
37.5°	7276.1	7152.0	7005.2	6841.8	6646.6	6429.4	6180.6	5907.0	5614.1	5281.3	4920.1
35°	7506.9	7384.8	7246.5	7084.6	6905.7	6690.8	6454.4	6180.6	5881.2	5558.2	5199.3
32.5°	7705.1	7588.0	7459.0	7300.8	7124.8	6925.3	6690.8	6429.4	6132.1	5804.1	5447.3
30°	7868.7	7763.3	7637.6	7493.5	7319.1	7124.8	6905.7	6646.6	6355.2	6031.3	5677.3
27.5°	8009.7	7913.2	7792.2	7654.3	7493.5	7300.8	7084.6	6841.8	6559.3	6233.2	5877.2
25°	8128.4	8036.5	7926.1	7792.2	7637.6	7459.0	7246.5	7005.2	6730.6	6417.6	6063.7
22.5°	8226.4	8139.8	8036.5	7913.2	7763.3	7588.0	7384.8	7152.0	6888.5	6578.4	6224.3
20°	8301.5	8226.4	8128.4	8009.7	7868.7	7705.1	7506.9	7276.1	7013.8	6713.5	6368.8
17.5°	8349.8	8291.6	8205.6	8094.8	7957.2	7795.7	7605.8	7383.2	7126.8	6835.1	6498.6
15°	8382.3	8338.3	8262.6	8159.2	8030.8	7875.4	7693.7	7477.8	7223.2	6934.0	6599.8
12.5°	8390.3	8367.5	8310.9	8215.6	8092.2	7939.7	7760.5	7547.9	7298.8	7013.3	6684.7
10°	8395.0	8384.0	8338.7	8253.1	8135.7	7989.2	7813.7	7606.3	7361.6	7079.1	6755.1
7.5°	8391.5	8389.1	8356.9	8282.9	8170.3	8028.4	7855.8	7652.4	7411.1	7130.8	6810.3
5°	8388.9	8392.8	8370.3	8304.7	8195.5	8056.9	7886.3	7685.6	7446.7	7168.1	6850.1
2.5°	8387.2	8395.1	8378.5	8317.9	8210.8	8074.1	7904.7	7705.8	7468.3	7190.6	6874.1
0°	8386.7	8395.9	8381.2	8322.4	8215.9	8079.9	7910.9	7712.5	7475.5	7198.1	6882.1
-2.5°	8387.2	8395.1	8378.5	8317.9	8210.8	8074.1	7904.7	7705.8	7468.3	7190.6	6874.1
-5°	8388.9	8392.8	8370.3	8304.7	8195.5	8056.9	7886.3	7685.6	7446.7	7168.1	6850.1
-7.5°	8391.5	8389.1	8356.9	8282.9	8170.3	8028.4	7855.8	7652.4	7411.1	7130.8	6810.3
-10°	8395.0	8384.0	8338.7	8253.1	8135.7	7989.2	7813.7	7606.3	7361.6	7079.1	6755.1
-12.5°	8390.3	8367.5	8310.9	8215.6	8092.2	7939.7	7760.5	7547.9	7298.8	7013.3	6684.7
-15°	8382.3	8338.3	8262.6	8159.2	8030.8	7875.4	7693.7	7477.8	7223.2	6934.0	6599.8
-17.5°	8349.8	8291.6	8205.6	8094.8	7957.2	7795.7	7605.8	7383.2	7126.8	6835.1	6498.6
-20°	8301.5	8226.4	8128.4	8009.7	7868.7	7705.1	7506.9	7276.1	7013.8	6713.5	6368.8



REPORT NUMBER: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8226.4	8139.8	8036.5	7913.2	7763.3	7588.0	7384.8	7152.0	6888.5	6578.4	6224.3
-25°	8128.4	8036.5	7926.1	7792.2	7637.6	7459.0	7246.5	7005.2	6730.6	6417.6	6063.7
-27.5°	8009.7	7913.2	7792.2	7654.3	7493.5	7300.8	7084.6	6841.8	6559.3	6233.2	5877.2
-30°	7868.7	7763.3	7637.6	7493.5	7319.1	7124.8	6905.7	6646.6	6355.2	6031.3	5677.3
-32.5°	7705.1	7588.0	7459.0	7300.8	7124.8	6925.3	6690.8	6429.4	6132.1	5804.1	5447.3
-35°	7506.9	7384.8	7246.5	7084.6	6905.7	6690.8	6454.4	6180.6	5881.2	5558.2	5199.3
-37.5°	7276.1	7152.0	7005.2	6841.8	6646.6	6429.4	6180.6	5907.0	5614.1	5281.3	4920.1
-40°	7013.8	6888.5	6730.6	6559.3	6355.2	6132.1	5881.2	5614.1	5308.8	4979.8	4619.9
-42.5°	6713.5	6578.4	6417.6	6233.2	6031.3	5804.1	5558.2	5281.3	4979.8	4649.3	4276.8
-45°	6368.8	6224.3	6063.7	5877.2	5677.3	5447.3	5199.3	4920.1	4619.9	4276.8	3913.2
-47.5°	5981.2	5835.9	5676.2	5489.5	5283.6	5058.5	4801.8	4529.6	4211.6	3879.6	3521.7
-50°	5559.3	5410.8	5247.3	5064.4	4852.6	4626.8	4366.3	4082.2	3779.1	3455.4	3123.6
-52.5°	5094.2	4942.6	4775.6	4593.7	4377.8	4141.3	3889.6	3613.4	3323.9	3028.7	2724.8
-55°	4578.4	4424.6	4251.1	4062.0	3855.4	3627.1	3384.7	3132.4	2872.1	2600.3	2356.3
-57.5°	3996.2	3849.6	3683.4	3502.1	3306.2	3100.8	2884.4	2655.8	2440.7	2224.4	2007.9
-60°	3384.7	3247.8	3100.8	2940.4	2766.8	2582.9	2412.3	2231.9	2042.1	1887.5	1727.4
-62.5°	2781.5	2661.3	2537.6	2412.3	2276.7	2131.1	1989.9	1862.9	1729.2	1591.8	1469.8
-65°	2238.2	2145.2	2042.1	1953.8	1859.4	1757.9	1649.6	1546.6	1445.7	1339.9	1232.8
-67.5°	1791.5	1727.4	1656.4	1583.1	1512.7	1437.1	1356.3	1270.7	1194.0	1118.9	1040.5
-70°	1425.3	1378.2	1325.9	1268.7	1214.8	1161.9	1105.5	1045.6	982.3	926.6	873.7
-72.5°	1121.8	1089.5	1053.6	1014.3	971.6	934.1	896.7	857.0	815.0	770.9	727.0
-75°	880.7	859.8	836.5	811.0	783.3	753.5	724.2	694.3	662.7	629.5	594.7
-77.5°	685.6	670.3	653.3	634.7	614.4	592.6	569.2	544.0	516.5	487.5	457.1
-80°	504.2	491.5	477.3	461.7	444.8	426.5	407.0	386.2	364.3	342.2	320.2
-82.5°	319.6	311.0	301.3	290.8	279.3	266.9	253.6	239.5	224.6	208.9	192.4
-85°	155.8	151.8	147.4	142.6	137.3	131.7	125.6	119.1	112.3	105.1	97.6
-87.5°	43.1	42.4	41.6	40.7	39.7	38.7	37.6	36.4	35.2	33.8	32.5
-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: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-U-LAM-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°	31.0	29.5	27.9	26.3	24.7	22.9	21.2	19.4	17.6	15.7	13.8
85°	89.7	81.5	73.0	64.2	55.1	45.9	42.3	38.8	35.1	31.4	27.6
82.5°	175.2	161.5	148.8	135.6	122.0	108.0	93.7	79.0	64.1	48.8	41.3
80°	297.2	273.3	248.6	223.0	196.6	169.9	150.9	131.3	111.4	91.1	70.6
77.5°	425.5	392.5	358.4	325.9	292.9	259.1	224.4	189.0	158.5	133.2	107.5
75°	558.4	519.1	478.1	435.8	392.3	348.0	306.4	264.0	220.7	176.6	144.1
72.5°	684.6	640.5	594.9	547.5	496.8	444.6	391.3	338.2	287.8	236.6	184.6
70°	818.6	761.4	707.2	653.4	598.0	540.7	479.8	417.7	354.4	295.8	236.6
67.5°	959.4	894.9	828.3	759.7	695.6	631.8	566.6	497.5	426.5	354.4	287.8
65°	1141.9	1047.7	952.9	876.6	798.3	721.1	648.8	575.1	497.5	417.7	338.2
62.5°	1343.1	1218.9	1111.8	1001.6	905.8	817.7	729.6	648.8	566.6	479.8	391.3
60°	1568.6	1425.3	1277.4	1150.6	1027.3	915.5	817.7	721.1	631.8	540.7	444.6
57.5°	1827.5	1641.0	1474.9	1310.4	1163.5	1027.3	905.8	798.3	695.6	598.0	496.8
55°	2104.2	1888.0	1681.1	1491.5	1310.4	1150.6	1001.6	876.6	759.7	653.4	547.5
52.5°	2436.1	2157.1	1908.2	1681.1	1474.9	1277.4	1111.8	952.9	828.3	707.2	594.9
50°	2787.4	2462.9	2157.1	1888.0	1641.0	1425.3	1218.9	1047.7	894.9	761.4	640.5
47.5°	3155.4	2787.4	2436.1	2104.2	1827.5	1568.6	1343.1	1141.9	959.4	818.6	684.6
45°	3521.7	3123.6	2724.8	2356.3	2007.9	1727.4	1469.8	1232.8	1040.5	873.7	727.0
42.5°	3879.6	3455.4	3028.7	2600.3	2224.4	1887.5	1591.8	1339.9	1118.9	926.6	770.9
40°	4211.6	3779.1	3323.9	2872.1	2440.7	2042.1	1729.2	1445.7	1194.0	982.3	815.0
37.5°	4529.6	4082.2	3613.4	3132.4	2655.8	2231.9	1862.9	1546.6	1270.7	1045.6	857.0
35°	4801.8	4366.3	3889.6	3384.7	2884.4	2412.3	1989.9	1649.6	1356.3	1105.5	896.7
32.5°	5058.5	4626.8	4141.3	3627.1	3100.8	2582.9	2131.1	1757.9	1437.1	1161.9	934.1
30°	5283.6	4852.6	4377.8	3855.4	3306.2	2766.8	2276.7	1859.4	1512.7	1214.8	971.6
27.5°	5489.5	5064.4	4593.7	4062.0	3502.1	2940.4	2412.3	1953.8	1583.1	1268.7	1014.3
25°	5676.2	5247.3	4775.6	4251.1	3683.4	3100.8	2537.6	2042.1	1656.4	1325.9	1053.6
22.5°	5835.9	5410.8	4942.6	4424.6	3849.6	3247.8	2661.3	2145.2	1727.4	1378.2	1089.5
20°	5981.2	5559.3	5094.2	4578.4	3996.2	3384.7	2781.5	2238.2	1791.5	1425.3	1121.8
17.5°	6109.8	5686.2	5218.9	4702.7	4124.4	3506.7	2888.5	2321.0	1848.5	1467.1	1150.6
15°	6215.2	5791.6	5326.1	4811.5	4236.6	3613.4	2982.0	2393.3	1898.2	1503.6	1175.6
12.5°	6305.4	5881.8	5417.7	4904.4	4332.3	3704.3	3061.7	2454.8	1940.5	1534.6	1196.9
10°	6380.1	5956.3	5493.3	4980.9	4411.1	3779.1	3127.2	2505.4	1975.2	1560.1	1214.4
7.5°	6438.6	6014.6	5552.5	5040.9	4472.8	3837.6	3178.4	2544.9	2002.4	1580.0	1228.0
5°	6480.7	6056.6	5595.0	5083.9	4517.0	3879.6	3215.1	2573.2	2021.8	1594.3	1237.8
2.5°	6506.1	6081.9	5620.6	5109.8	4543.6	3904.8	3237.1	2590.2	2033.5	1602.8	1243.6
0°	6514.6	6090.3	5629.1	5118.4	4552.5	3913.2	3244.5	2595.9	2037.4	1605.7	1245.6
-2.5°	6506.1	6081.9	5620.6	5109.8	4543.6	3904.8	3237.1	2590.2	2033.5	1602.8	1243.6
-5°	6480.7	6056.6	5595.0	5083.9	4517.0	3879.6	3215.1	2573.2	2021.8	1594.3	1237.8
-7.5°	6438.6	6014.6	5552.5	5040.9	4472.8	3837.6	3178.4	2544.9	2002.4	1580.0	1228.0
-10°	6380.1	5956.3	5493.3	4980.9	4411.1	3779.1	3127.2	2505.4	1975.2	1560.1	1214.4
-12.5°	6305.4	5881.8	5417.7	4904.4	4332.3	3704.3	3061.7	2454.8	1940.5	1534.6	1196.9
-15°	6215.2	5791.6	5326.1	4811.5	4236.6	3613.4	2982.0	2393.3	1898.2	1503.6	1175.6
-17.5°	6109.8	5686.2	5218.9	4702.7	4124.4	3506.7	2888.5	2321.0	1848.5	1467.1	1150.6
-20°	5981.2	5559.3	5094.2	4578.4	3996.2	3384.7	2781.5	2238.2	1791.5	1425.3	1121.8



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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°	5835.9	5410.8	4942.6	4424.6	3849.6	3247.8	2661.3	2145.2	1727.4	1378.2	1089.5
-25°	5676.2	5247.3	4775.6	4251.1	3683.4	3100.8	2537.6	2042.1	1656.4	1325.9	1053.6
-27.5°	5489.5	5064.4	4593.7	4062.0	3502.1	2940.4	2412.3	1953.8	1583.1	1268.7	1014.3
-30°	5283.6	4852.6	4377.8	3855.4	3306.2	2766.8	2276.7	1859.4	1512.7	1214.8	971.6
-32.5°	5058.5	4626.8	4141.3	3627.1	3100.8	2582.9	2131.1	1757.9	1437.1	1161.9	934.1
-35°	4801.8	4366.3	3889.6	3384.7	2884.4	2412.3	1989.9	1649.6	1356.3	1105.5	896.7
-37.5°	4529.6	4082.2	3613.4	3132.4	2655.8	2231.9	1862.9	1546.6	1270.7	1045.6	857.0
-40°	4211.6	3779.1	3323.9	2872.1	2440.7	2042.1	1729.2	1445.7	1194.0	982.3	815.0
-42.5°	3879.6	3455.4	3028.7	2600.3	2224.4	1887.5	1591.8	1339.9	1118.9	926.6	770.9
-45°	3521.7	3123.6	2724.8	2356.3	2007.9	1727.4	1469.8	1232.8	1040.5	873.7	727.0
-47.5°	3155.4	2787.4	2436.1	2104.2	1827.5	1568.6	1343.1	1141.9	959.4	818.6	684.6
-50°	2787.4	2462.9	2157.1	1888.0	1641.0	1425.3	1218.9	1047.7	894.9	761.4	640.5
-52.5°	2436.1	2157.1	1908.2	1681.1	1474.9	1277.4	1111.8	952.9	828.3	707.2	594.9
-55°	2104.2	1888.0	1681.1	1491.5	1310.4	1150.6	1001.6	876.6	759.7	653.4	547.5
-57.5°	1827.5	1641.0	1474.9	1310.4	1163.5	1027.3	905.8	798.3	695.6	598.0	496.8
-60°	1568.6	1425.3	1277.4	1150.6	1027.3	915.5	817.7	721.1	631.8	540.7	444.6
-62.5°	1343.1	1218.9	1111.8	1001.6	905.8	817.7	729.6	648.8	566.6	479.8	391.3
-65°	1141.9	1047.7	952.9	876.6	798.3	721.1	648.8	575.1	497.5	417.7	338.2
-67.5°	959.4	894.9	828.3	759.7	695.6	631.8	566.6	497.5	426.5	354.4	287.8
-70°	818.6	761.4	707.2	653.4	598.0	540.7	479.8	417.7	354.4	295.8	236.6
-72.5°	684.6	640.5	594.9	547.5	496.8	444.6	391.3	338.2	287.8	236.6	184.6
-75°	558.4	519.1	478.1	435.8	392.3	348.0	306.4	264.0	220.7	176.6	144.1
-77.5°	425.5	392.5	358.4	325.9	292.9	259.1	224.4	189.0	158.5	133.2	107.5
-80°	297.2	273.3	248.6	223.0	196.6	169.9	150.9	131.3	111.4	91.1	70.6
-82.5°	175.2	161.5	148.8	135.6	122.0	108.0	93.7	79.0	64.1	48.8	41.3
-85°	89.7	81.5	73.0	64.2	55.1	45.9	42.3	38.8	35.1	31.4	27.6
-87.5°	31.0	29.5	27.9	26.3	24.7	22.9	21.2	19.4	17.6	15.7	13.8
-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):

	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°	11.9	9.9	8.0	6.0	4.0	2.0	0.0
85°	23.7	19.8	15.9	12.0	8.0	4.0	0.0
82.5°	35.5	29.7	23.8	17.9	12.0	6.0	0.0
80°	49.7	39.5	31.7	23.8	15.9	8.0	0.0
77.5°	81.5	55.2	39.5	29.7	19.8	9.9	0.0
75°	112.9	81.5	49.7	35.5	23.7	11.9	0.0
72.5°	144.1	107.5	70.6	41.3	27.6	13.8	0.0
70°	176.6	133.2	91.1	48.8	31.4	15.7	0.0
67.5°	220.7	158.5	111.4	64.1	35.1	17.6	0.0
65°	264.0	189.0	131.3	79.0	38.8	19.4	0.0
62.5°	306.4	224.4	150.9	93.7	42.3	21.2	0.0
60°	348.0	259.1	169.9	108.0	45.9	22.9	0.0
57.5°	392.3	292.9	196.6	122.0	55.1	24.7	0.0
55°	435.8	325.9	223.0	135.6	64.2	26.3	0.0
52.5°	478.1	358.4	248.6	148.8	73.0	27.9	0.0
50°	519.1	392.5	273.3	161.5	81.5	29.5	0.0
47.5°	558.4	425.5	297.2	175.2	89.7	31.0	0.0
45°	594.7	457.1	320.2	192.4	97.6	32.5	0.0
42.5°	629.5	487.5	342.2	208.9	105.1	33.8	0.0
40°	662.7	516.5	364.3	224.6	112.3	35.2	0.0
37.5°	694.3	544.0	386.2	239.5	119.1	36.4	0.0
35°	724.2	569.2	407.0	253.6	125.6	37.6	0.0
32.5°	753.5	592.6	426.5	266.9	131.7	38.7	0.0
30°	783.3	614.4	444.8	279.3	137.3	39.7	0.0
27.5°	811.0	634.7	461.7	290.8	142.6	40.7	0.0
25°	836.5	653.3	477.3	301.3	147.4	41.6	0.0
22.5°	859.8	670.3	491.5	311.0	151.8	42.4	0.0
20°	880.7	685.6	504.2	319.6	155.8	43.1	0.0
17.5°	899.3	699.2	515.6	327.3	159.3	43.8	0.0
15°	915.5	711.0	525.4	334.0	162.4	44.3	0.0
12.5°	929.3	721.1	533.8	339.7	165.0	44.8	0.0
10°	940.6	729.4	540.7	344.4	167.1	45.2	0.0
7.5°	949.4	735.8	546.1	348.0	168.8	45.5	0.0
5°	955.7	740.4	549.9	350.6	169.9	45.7	0.0
2.5°	959.5	743.2	552.2	352.2	170.7	45.9	0.0
0°	960.8	744.1	553.0	352.7	170.9	45.9	0.0
-2.5°	959.5	743.2	552.2	352.2	170.7	45.9	0.0
-5°	955.7	740.4	549.9	350.6	169.9	45.7	0.0
-7.5°	949.4	735.8	546.1	348.0	168.8	45.5	0.0
-10°	940.6	729.4	540.7	344.4	167.1	45.2	0.0
-12.5°	929.3	721.1	533.8	339.7	165.0	44.8	0.0
-15°	915.5	711.0	525.4	334.0	162.4	44.3	0.0
-17.5°	899.3	699.2	515.6	327.3	159.3	43.8	0.0
-20°	880.7	685.6	504.2	319.6	155.8	43.1	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645488 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	859.8	670.3	491.5	311.0	151.8	42.4	0.0
-25°	836.5	653.3	477.3	301.3	147.4	41.6	0.0
-27.5°	811.0	634.7	461.7	290.8	142.6	40.7	0.0
-30°	783.3	614.4	444.8	279.3	137.3	39.7	0.0
-32.5°	753.5	592.6	426.5	266.9	131.7	38.7	0.0
-35°	724.2	569.2	407.0	253.6	125.6	37.6	0.0
-37.5°	694.3	544.0	386.2	239.5	119.1	36.4	0.0
-40°	662.7	516.5	364.3	224.6	112.3	35.2	0.0
-42.5°	629.5	487.5	342.2	208.9	105.1	33.8	0.0
-45°	594.7	457.1	320.2	192.4	97.6	32.5	0.0
-47.5°	558.4	425.5	297.2	175.2	89.7	31.0	0.0
-50°	519.1	392.5	273.3	161.5	81.5	29.5	0.0
-52.5°	478.1	358.4	248.6	148.8	73.0	27.9	0.0
-55°	435.8	325.9	223.0	135.6	64.2	26.3	0.0
-57.5°	392.3	292.9	196.6	122.0	55.1	24.7	0.0
-60°	348.0	259.1	169.9	108.0	45.9	22.9	0.0
-62.5°	306.4	224.4	150.9	93.7	42.3	21.2	0.0
-65°	264.0	189.0	131.3	79.0	38.8	19.4	0.0
-67.5°	220.7	158.5	111.4	64.1	35.1	17.6	0.0
-70°	176.6	133.2	91.1	48.8	31.4	15.7	0.0
-72.5°	144.1	107.5	70.6	41.3	27.6	13.8	0.0
-75°	112.9	81.5	49.7	35.5	23.7	11.9	0.0
-77.5°	81.5	55.2	39.5	29.7	19.8	9.9	0.0
-80°	49.7	39.5	31.7	23.8	15.9	8.0	0.0
-82.5°	35.5	29.7	23.8	17.9	12.0	6.0	0.0
-85°	23.7	19.8	15.9	12.0	8.0	4.0	0.0
-87.5°	11.9	9.9	8.0	6.0	4.0	2.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)