

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: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645464 (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-SA4C-722-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

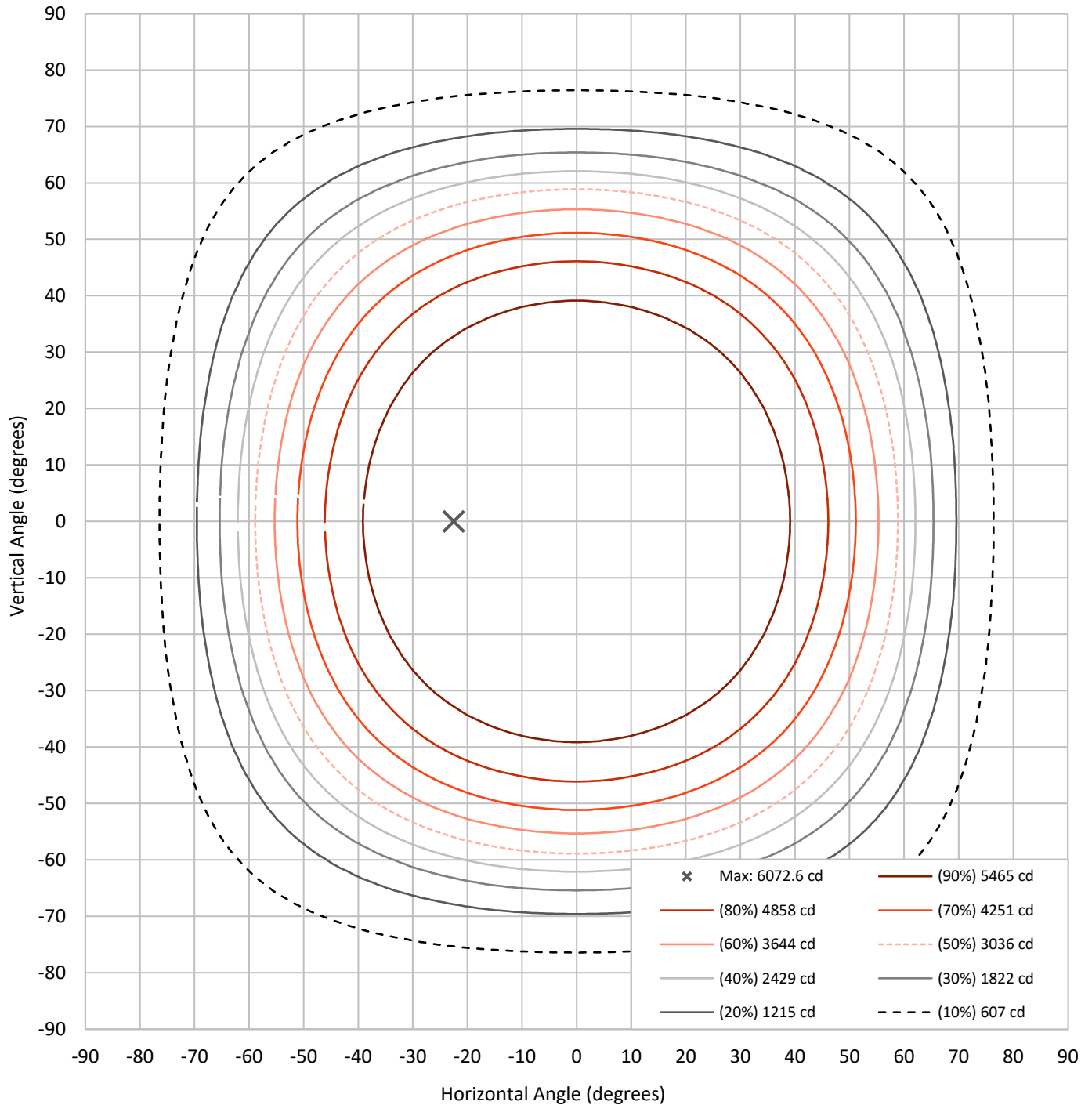
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18576.3 lumens	Max Intensity:	6072.6 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	110.4 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:	15459.5 lumens	Field Lumens:	18211 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	168.2		
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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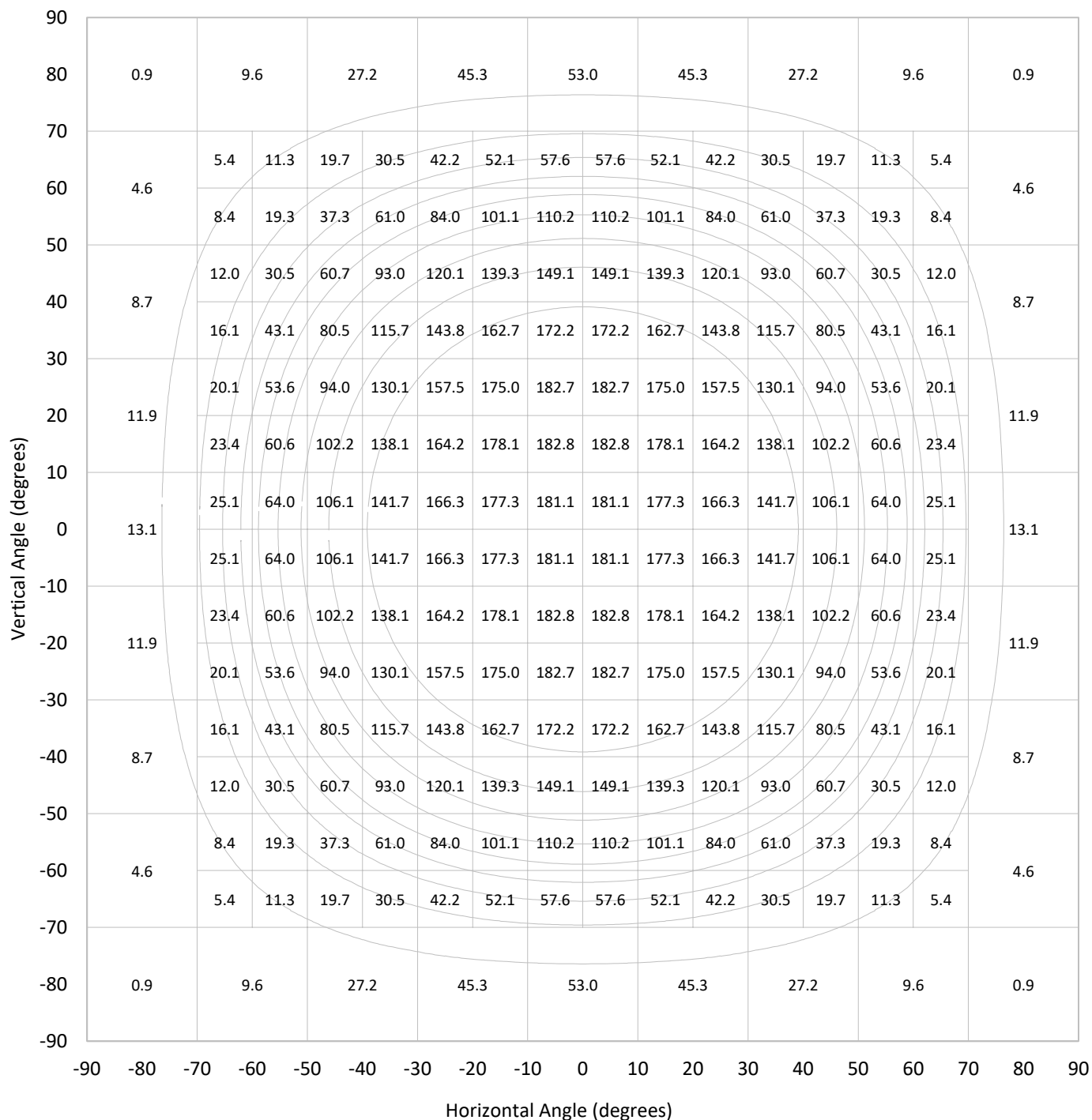
Iso-Candela Plot





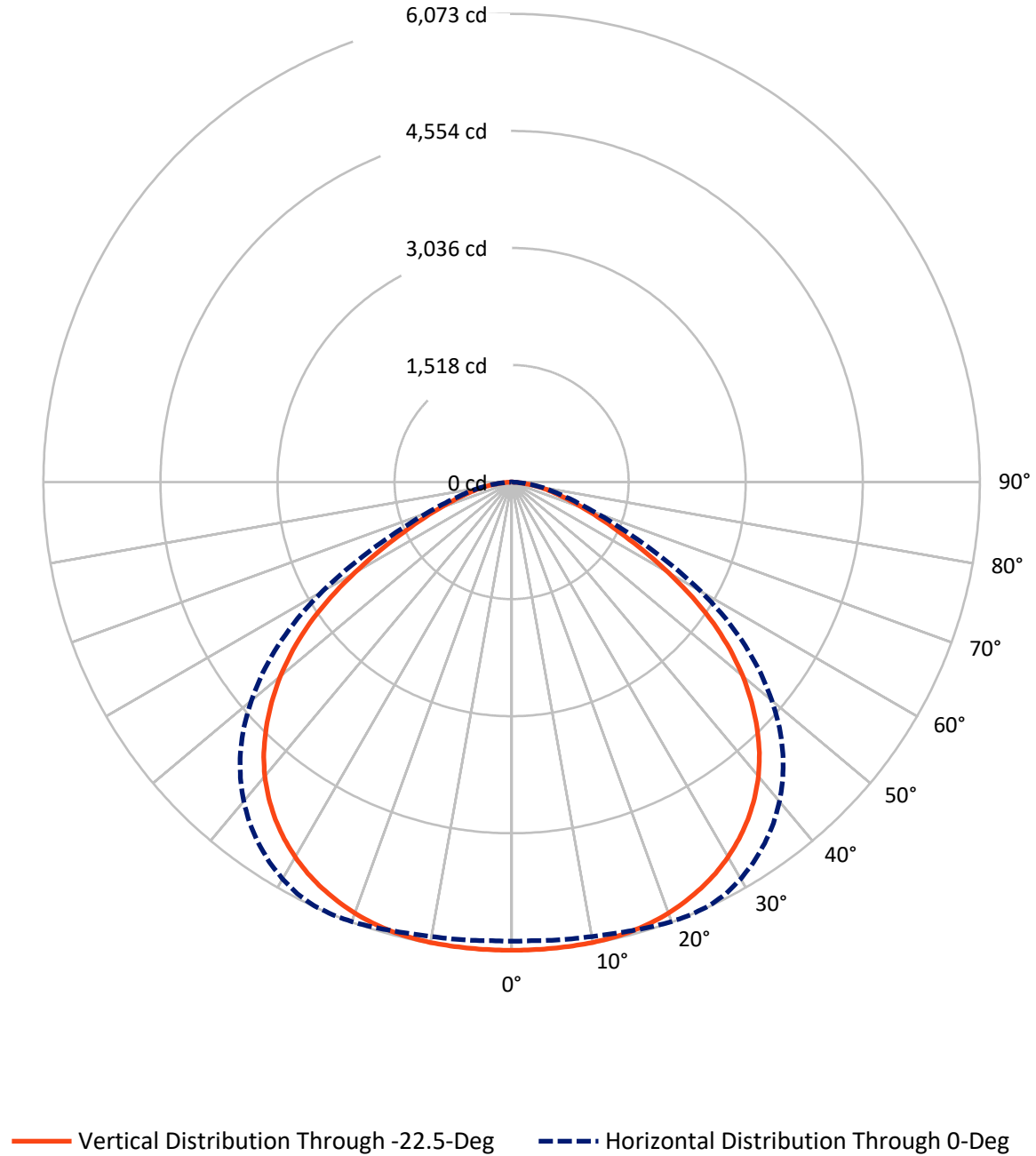
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Lumen Table



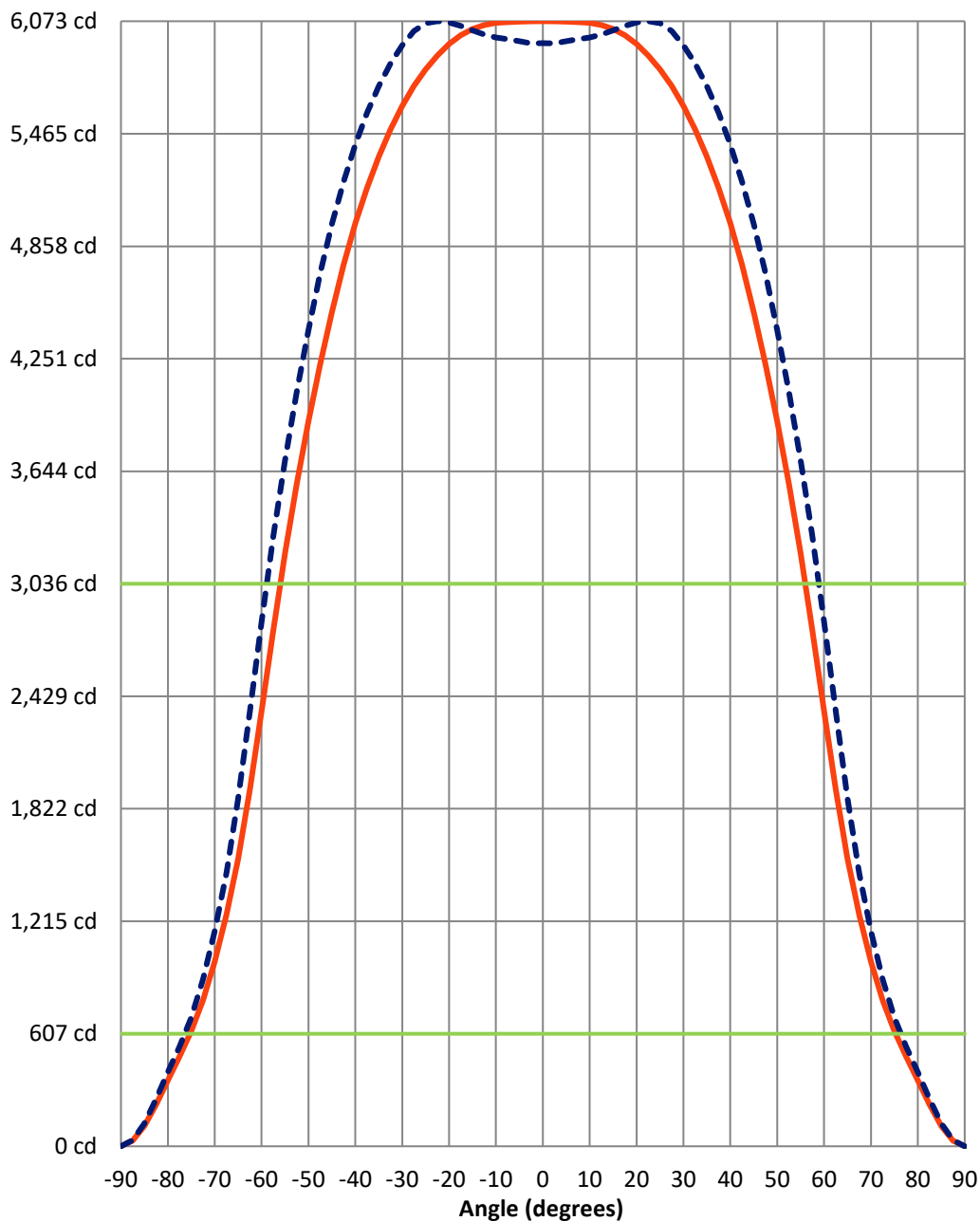
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CATALOG NUMBER: GFLD-SA4C-722-U-LAM-XX

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 15459.5
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 18211
 Efficiency: 98.0%

Spill:
 Lumens: 365.4
 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	1.4	2.9	4.3	5.8	7.2	8.6	10.0	11.4	12.7	14.0
85°	0.0	2.9	5.8	8.7	11.5	14.4	17.2	19.9	22.7	25.4	28.0
82.5°	0.0	4.3	8.7	13.0	17.2	21.5	25.7	29.9	35.3	46.3	57.1
80°	0.0	5.8	11.5	17.2	22.9	28.6	35.9	51.0	65.9	80.6	95.0
77.5°	0.0	7.2	14.4	21.5	28.6	39.9	58.9	77.7	96.3	114.6	136.7
75°	0.0	8.6	17.2	25.7	35.9	58.9	81.7	104.2	127.7	159.6	190.9
72.5°	0.0	10.0	19.9	29.9	51.0	77.7	104.2	133.5	171.1	208.2	244.6
70°	0.0	11.4	22.7	35.3	65.9	96.3	127.7	171.1	214.0	256.3	302.1
67.5°	0.0	12.7	25.4	46.3	80.6	114.6	159.6	208.2	256.3	308.5	359.8
65°	0.0	14.0	28.0	57.1	95.0	136.7	190.9	244.6	302.1	359.8	416.0
62.5°	0.0	15.3	30.6	67.7	109.1	162.3	221.6	283.0	347.1	409.8	469.3
60°	0.0	16.6	33.2	78.1	122.9	187.4	251.7	321.6	391.1	457.0	521.6
57.5°	0.0	17.8	39.9	88.2	142.2	211.9	283.7	359.3	432.6	503.1	577.4
55°	0.0	19.0	46.4	98.1	161.3	235.7	315.2	396.1	472.6	549.5	634.1
52.5°	0.0	20.2	52.8	107.6	179.8	259.2	345.8	430.3	511.5	599.1	689.3
50°	0.0	21.3	58.9	116.8	197.7	283.9	375.5	463.3	550.7	647.3	757.8
47.5°	0.0	22.4	64.9	126.7	215.0	307.7	403.9	495.2	592.1	694.0	825.9
45°	0.0	23.5	70.6	139.2	231.6	330.6	430.1	525.8	632.0	752.6	891.7
42.5°	0.0	24.5	76.0	151.1	247.5	352.6	455.3	557.6	670.3	809.3	969.1
40°	0.0	25.4	81.2	162.4	263.5	373.6	479.4	589.5	710.6	863.6	1045.7
37.5°	0.0	26.3	86.2	173.2	279.4	393.5	502.2	619.9	756.3	919.0	1118.7
35°	0.0	27.2	90.8	183.5	294.4	411.7	523.8	648.6	799.6	981.0	1193.2
32.5°	0.0	28.0	95.2	193.0	308.5	428.6	545.0	675.6	840.4	1039.4	1271.5
30°	0.0	28.7	99.3	202.0	321.7	444.4	566.6	702.8	878.6	1094.1	1344.9
27.5°	0.0	29.4	103.1	210.3	333.9	459.1	586.6	733.7	917.6	1145.0	1413.2
25°	0.0	30.1	106.6	218.0	345.2	472.6	605.1	762.1	959.0	1198.1	1477.0
22.5°	0.0	30.7	109.8	224.9	355.5	484.8	621.9	788.1	996.8	1249.4	1551.6
20°	0.0	31.2	112.7	231.2	364.7	495.9	637.1	811.4	1030.9	1295.8	1618.9
17.5°	0.0	31.7	115.2	236.7	372.9	505.7	650.5	832.2	1061.1	1337.0	1678.8
15°	0.0	32.1	117.4	241.6	380.1	514.3	662.2	850.3	1087.5	1372.9	1731.0
12.5°	0.0	32.4	119.3	245.7	386.1	521.6	672.2	865.7	1110.0	1403.5	1775.5
10°	0.0	32.7	120.8	249.1	391.1	527.5	680.4	878.3	1128.4	1428.6	1812.1
7.5°	0.0	32.9	122.0	251.7	395.0	532.2	686.8	888.2	1142.8	1448.3	1840.7
5°	0.0	33.1	122.9	253.6	397.8	535.5	691.3	895.2	1153.1	1462.3	1861.2
2.5°	0.0	33.2	123.4	254.7	399.4	537.5	694.1	899.5	1159.3	1470.8	1873.5
0°	0.0	33.2	123.6	255.1	400.0	538.2	695.0	900.9	1161.4	1473.6	1877.6
-2.5°	0.0	33.2	123.4	254.7	399.4	537.5	694.1	899.5	1159.3	1470.8	1873.5
-5°	0.0	33.1	122.9	253.6	397.8	535.5	691.3	895.2	1153.1	1462.3	1861.2
-7.5°	0.0	32.9	122.0	251.7	395.0	532.2	686.8	888.2	1142.8	1448.3	1840.7
-10°	0.0	32.7	120.8	249.1	391.1	527.5	680.4	878.3	1128.4	1428.6	1812.1
-12.5°	0.0	32.4	119.3	245.7	386.1	521.6	672.2	865.7	1110.0	1403.5	1775.5
-15°	0.0	32.1	117.4	241.6	380.1	514.3	662.2	850.3	1087.5	1372.9	1731.0
-17.5°	0.0	31.7	115.2	236.7	372.9	505.7	650.5	832.2	1061.1	1337.0	1678.8
-20°	0.0	31.2	112.7	231.2	364.7	495.9	637.1	811.4	1030.9	1295.8	1618.9

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4C-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	30.7	109.8	224.9	355.5	484.8	621.9	788.1	996.8	1249.4	1551.6
-25°	0.0	30.1	106.6	218.0	345.2	472.6	605.1	762.1	959.0	1198.1	1477.0
-27.5°	0.0	29.4	103.1	210.3	333.9	459.1	586.6	733.7	917.6	1145.0	1413.2
-30°	0.0	28.7	99.3	202.0	321.7	444.4	566.6	702.8	878.6	1094.1	1344.9
-32.5°	0.0	28.0	95.2	193.0	308.5	428.6	545.0	675.6	840.4	1039.4	1271.5
-35°	0.0	27.2	90.8	183.5	294.4	411.7	523.8	648.6	799.6	981.0	1193.2
-37.5°	0.0	26.3	86.2	173.2	279.4	393.5	502.2	619.9	756.3	919.0	1118.7
-40°	0.0	25.4	81.2	162.4	263.5	373.6	479.4	589.5	710.6	863.6	1045.7
-42.5°	0.0	24.5	76.0	151.1	247.5	352.6	455.3	557.6	670.3	809.3	969.1
-45°	0.0	23.5	70.6	139.2	231.6	330.6	430.1	525.8	632.0	752.6	891.7
-47.5°	0.0	22.4	64.9	126.7	215.0	307.7	403.9	495.2	592.1	694.0	825.9
-50°	0.0	21.3	58.9	116.8	197.7	283.9	375.5	463.3	550.7	647.3	757.8
-52.5°	0.0	20.2	52.8	107.6	179.8	259.2	345.8	430.3	511.5	599.1	689.3
-55°	0.0	19.0	46.4	98.1	161.3	235.7	315.2	396.1	472.6	549.5	634.1
-57.5°	0.0	17.8	39.9	88.2	142.2	211.9	283.7	359.3	432.6	503.1	577.4
-60°	0.0	16.6	33.2	78.1	122.9	187.4	251.7	321.6	391.1	457.0	521.6
-62.5°	0.0	15.3	30.6	67.7	109.1	162.3	221.6	283.0	347.1	409.8	469.3
-65°	0.0	14.0	28.0	57.1	95.0	136.7	190.9	244.6	302.1	359.8	416.0
-67.5°	0.0	12.7	25.4	46.3	80.6	114.6	159.6	208.2	256.3	308.5	359.8
-70°	0.0	11.4	22.7	35.3	65.9	96.3	127.7	171.1	214.0	256.3	302.1
-72.5°	0.0	10.0	19.9	29.9	51.0	77.7	104.2	133.5	171.1	208.2	244.6
-75°	0.0	8.6	17.2	25.7	35.9	58.9	81.7	104.2	127.7	159.6	190.9
-77.5°	0.0	7.2	14.4	21.5	28.6	39.9	58.9	77.7	96.3	114.6	136.7
-80°	0.0	5.8	11.5	17.2	22.9	28.6	35.9	51.0	65.9	80.6	95.0
-82.5°	0.0	4.3	8.7	13.0	17.2	21.5	25.7	29.9	35.3	46.3	57.1
-85°	0.0	2.9	5.8	8.7	11.5	14.4	17.2	19.9	22.7	25.4	28.0
-87.5°	0.0	1.4	2.9	4.3	5.8	7.2	8.6	10.0	11.4	12.7	14.0
-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: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	15.3	16.6	17.8	19.0	20.2	21.3	22.4	23.5	24.5	25.4	26.3
85°	30.6	33.2	39.9	46.4	52.8	58.9	64.9	70.6	76.0	81.2	86.2
82.5°	67.7	78.1	88.2	98.1	107.6	116.8	126.7	139.2	151.1	162.4	173.2
80°	109.1	122.9	142.2	161.3	179.8	197.7	215.0	231.6	247.5	263.5	279.4
77.5°	162.3	187.4	211.9	235.7	259.2	283.9	307.7	330.6	352.6	373.6	393.5
75°	221.6	251.7	283.7	315.2	345.8	375.5	403.9	430.1	455.3	479.4	502.2
72.5°	283.0	321.6	359.3	396.1	430.3	463.3	495.2	525.8	557.6	589.5	619.9
70°	347.1	391.1	432.6	472.6	511.5	550.7	592.1	632.0	670.3	710.6	756.3
67.5°	409.8	457.0	503.1	549.5	599.1	647.3	694.0	752.6	809.3	863.6	919.0
65°	469.3	521.6	577.4	634.1	689.3	757.8	825.9	891.7	969.1	1045.7	1118.7
62.5°	527.7	591.4	655.2	724.5	804.2	881.6	971.4	1063.1	1151.3	1250.7	1347.4
60°	591.4	662.2	743.1	832.2	923.9	1030.9	1134.6	1249.4	1365.2	1477.0	1614.3
57.5°	655.2	743.1	841.6	947.8	1066.8	1186.9	1321.8	1452.3	1608.9	1765.3	1920.9
55°	724.5	832.2	947.8	1078.8	1215.9	1365.5	1521.9	1704.3	1880.8	2077.3	2265.6
52.5°	804.2	923.9	1066.8	1215.9	1380.2	1560.2	1762.0	1970.8	2190.6	2404.0	2613.4
50°	881.6	1030.9	1186.9	1365.5	1560.2	1781.4	2016.1	2259.2	2499.2	2733.3	2952.6
47.5°	971.4	1134.6	1321.8	1521.9	1762.0	2016.1	2282.2	2547.1	2806.0	3046.1	3276.1
45°	1063.1	1249.4	1452.3	1704.3	1970.8	2259.2	2547.1	2830.3	3093.3	3341.4	3558.6
42.5°	1151.3	1365.2	1608.9	1880.8	2190.6	2499.2	2806.0	3093.3	3362.7	3601.7	3819.8
40°	1250.7	1477.0	1765.3	2077.3	2404.0	2733.3	3046.1	3341.4	3601.7	3839.7	4060.5
37.5°	1347.4	1614.3	1920.9	2265.6	2613.4	2952.6	3276.1	3558.6	3819.8	4060.5	4272.4
35°	1439.2	1744.8	2086.2	2448.0	2813.3	3158.1	3473.0	3760.6	4020.1	4253.7	4470.3
32.5°	1541.4	1868.2	2242.7	2623.4	2995.3	3346.4	3658.7	3939.9	4198.0	4435.2	4650.3
30°	1646.7	2001.2	2391.2	2788.5	3166.3	3509.8	3821.5	4106.2	4362.2	4596.6	4807.4
27.5°	1744.8	2126.7	2532.9	2937.9	3322.5	3662.9	3970.4	4250.8	4508.3	4744.2	4948.4
25°	1835.4	2242.7	2664.1	3074.7	3454.0	3795.2	4105.5	4385.7	4641.7	4868.1	5066.6
22.5°	1924.9	2349.0	2784.3	3200.2	3574.9	3913.5	4220.9	4501.8	4758.0	4982.2	5172.9
20°	2011.8	2448.0	2890.3	3311.5	3684.5	4020.9	4326.0	4606.4	4855.7	5072.9	5262.6
17.5°	2089.2	2536.3	2983.1	3401.3	3774.7	4112.7	4419.0	4700.4	4943.7	5154.6	5340.1
15°	2156.8	2613.4	3064.2	3480.0	3852.2	4188.9	4495.2	4773.5	5015.1	5224.4	5408.5
12.5°	2214.4	2679.2	3133.4	3547.2	3918.5	4254.1	4560.6	4834.9	5072.5	5279.0	5459.2
10°	2261.8	2733.3	3190.4	3602.6	3973.1	4308.0	4614.6	4885.8	5120.1	5324.4	5501.4
7.5°	2298.8	2775.6	3235.0	3645.9	4016.0	4350.2	4656.9	4925.7	5157.5	5360.2	5534.7
5°	2325.3	2806.0	3267.0	3677.0	4046.7	4380.5	4687.4	4954.5	5184.5	5386.0	5558.8
2.5°	2341.3	2824.2	3286.3	3695.7	4065.2	4398.8	4705.8	4971.8	5200.8	5401.6	5573.3
0°	2346.6	2830.3	3292.7	3702.0	4071.4	4404.9	4711.9	4977.6	5206.2	5406.8	5578.2
-2.5°	2341.3	2824.2	3286.3	3695.7	4065.2	4398.8	4705.8	4971.8	5200.8	5401.6	5573.3
-5°	2325.3	2806.0	3267.0	3677.0	4046.7	4380.5	4687.4	4954.5	5184.5	5386.0	5558.8
-7.5°	2298.8	2775.6	3235.0	3645.9	4016.0	4350.2	4656.9	4925.7	5157.5	5360.2	5534.7
-10°	2261.8	2733.3	3190.4	3602.6	3973.1	4308.0	4614.6	4885.8	5120.1	5324.4	5501.4
-12.5°	2214.4	2679.2	3133.4	3547.2	3918.5	4254.1	4560.6	4834.9	5072.5	5279.0	5459.2
-15°	2156.8	2613.4	3064.2	3480.0	3852.2	4188.9	4495.2	4773.5	5015.1	5224.4	5408.5
-17.5°	2089.2	2536.3	2983.1	3401.3	3774.7	4112.7	4419.0	4700.4	4943.7	5154.6	5340.1
-20°	2011.8	2448.0	2890.3	3311.5	3684.5	4020.9	4326.0	4606.4	4855.7	5072.9	5262.6



REPORT NUMBER: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	1924.9	2349.0	2784.3	3200.2	3574.9	3913.5	4220.9	4501.8	4758.0	4982.2	5172.9
-25°	1835.4	2242.7	2664.1	3074.7	3454.0	3795.2	4105.5	4385.7	4641.7	4868.1	5066.6
-27.5°	1744.8	2126.7	2532.9	2937.9	3322.5	3662.9	3970.4	4250.8	4508.3	4744.2	4948.4
-30°	1646.7	2001.2	2391.2	2788.5	3166.3	3509.8	3821.5	4106.2	4362.2	4596.6	4807.4
-32.5°	1541.4	1868.2	2242.7	2623.4	2995.3	3346.4	3658.7	3939.9	4198.0	4435.2	4650.3
-35°	1439.2	1744.8	2086.2	2448.0	2813.3	3158.1	3473.0	3760.6	4020.1	4253.7	4470.3
-37.5°	1347.4	1614.3	1920.9	2265.6	2613.4	2952.6	3276.1	3558.6	3819.8	4060.5	4272.4
-40°	1250.7	1477.0	1765.3	2077.3	2404.0	2733.3	3046.1	3341.4	3601.7	3839.7	4060.5
-42.5°	1151.3	1365.2	1608.9	1880.8	2190.6	2499.2	2806.0	3093.3	3362.7	3601.7	3819.8
-45°	1063.1	1249.4	1452.3	1704.3	1970.8	2259.2	2547.1	2830.3	3093.3	3341.4	3558.6
-47.5°	971.4	1134.6	1321.8	1521.9	1762.0	2016.1	2282.2	2547.1	2806.0	3046.1	3276.1
-50°	881.6	1030.9	1186.9	1365.5	1560.2	1781.4	2016.1	2259.2	2499.2	2733.3	2952.6
-52.5°	804.2	923.9	1066.8	1215.9	1380.2	1560.2	1762.0	1970.8	2190.6	2404.0	2613.4
-55°	724.5	832.2	947.8	1078.8	1215.9	1365.5	1521.9	1704.3	1880.8	2077.3	2265.6
-57.5°	655.2	743.1	841.6	947.8	1066.8	1186.9	1321.8	1452.3	1608.9	1765.3	1920.9
-60°	591.4	662.2	743.1	832.2	923.9	1030.9	1134.6	1249.4	1365.2	1477.0	1614.3
-62.5°	527.7	591.4	655.2	724.5	804.2	881.6	971.4	1063.1	1151.3	1250.7	1347.4
-65°	469.3	521.6	577.4	634.1	689.3	757.8	825.9	891.7	969.1	1045.7	1118.7
-67.5°	409.8	457.0	503.1	549.5	599.1	647.3	694.0	752.6	809.3	863.6	919.0
-70°	347.1	391.1	432.6	472.6	511.5	550.7	592.1	632.0	670.3	710.6	756.3
-72.5°	283.0	321.6	359.3	396.1	430.3	463.3	495.2	525.8	557.6	589.5	619.9
-75°	221.6	251.7	283.7	315.2	345.8	375.5	403.9	430.1	455.3	479.4	502.2
-77.5°	162.3	187.4	211.9	235.7	259.2	283.9	307.7	330.6	352.6	373.6	393.5
-80°	109.1	122.9	142.2	161.3	179.8	197.7	215.0	231.6	247.5	263.5	279.4
-82.5°	67.7	78.1	88.2	98.1	107.6	116.8	126.7	139.2	151.1	162.4	173.2
-85°	30.6	33.2	39.9	46.4	52.8	58.9	64.9	70.6	76.0	81.2	86.2
-87.5°	15.3	16.6	17.8	19.0	20.2	21.3	22.4	23.5	24.5	25.4	26.3
-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: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	27.2	28.0	28.7	29.4	30.1	30.7	31.2	31.7	32.1	32.4	32.7
85°	90.8	95.2	99.3	103.1	106.6	109.8	112.7	115.2	117.4	119.3	120.8
82.5°	183.5	193.0	202.0	210.3	218.0	224.9	231.2	236.7	241.6	245.7	249.1
80°	294.4	308.5	321.7	333.9	345.2	355.5	364.7	372.9	380.1	386.1	391.1
77.5°	411.7	428.6	444.4	459.1	472.6	484.8	495.9	505.7	514.3	521.6	527.5
75°	523.8	545.0	566.6	586.6	605.1	621.9	637.1	650.5	662.2	672.2	680.4
72.5°	648.6	675.6	702.8	733.7	762.1	788.1	811.4	832.2	850.3	865.7	878.3
70°	799.6	840.4	878.6	917.6	959.0	996.8	1030.9	1061.1	1087.5	1110.0	1128.4
67.5°	981.0	1039.4	1094.1	1145.0	1198.1	1249.4	1295.8	1337.0	1372.9	1403.5	1428.6
65°	1193.2	1271.5	1344.9	1413.2	1477.0	1551.6	1618.9	1678.8	1731.0	1775.5	1812.1
62.5°	1439.2	1541.4	1646.7	1744.8	1835.4	1924.9	2011.8	2089.2	2156.8	2214.4	2261.8
60°	1744.8	1868.2	2001.2	2126.7	2242.7	2349.0	2448.0	2536.3	2613.4	2679.2	2733.3
57.5°	2086.2	2242.7	2391.2	2532.9	2664.1	2784.3	2890.3	2983.1	3064.2	3133.4	3190.4
55°	2448.0	2623.4	2788.5	2937.9	3074.7	3200.2	3311.5	3401.3	3480.0	3547.2	3602.6
52.5°	2813.3	2995.3	3166.3	3322.5	3454.0	3574.9	3684.5	3774.7	3852.2	3918.5	3973.1
50°	3158.1	3346.4	3509.8	3662.9	3795.2	3913.5	4020.9	4112.7	4188.9	4254.1	4308.0
47.5°	3473.0	3658.7	3821.5	3970.4	4105.5	4220.9	4326.0	4419.0	4495.2	4560.6	4614.6
45°	3760.6	3939.9	4106.2	4250.8	4385.7	4501.8	4606.4	4700.4	4773.5	4834.9	4885.8
42.5°	4020.1	4198.0	4362.2	4508.3	4641.7	4758.0	4855.7	4943.7	5015.1	5072.5	5120.1
40°	4253.7	4435.2	4596.6	4744.2	4868.1	4982.2	5072.9	5154.6	5224.4	5279.0	5324.4
37.5°	4470.3	4650.3	4807.4	4948.4	5066.6	5172.9	5262.6	5340.1	5408.5	5459.2	5501.4
35°	4668.3	4839.3	4994.7	5124.1	5241.2	5341.2	5429.5	5501.0	5564.6	5612.9	5651.5
32.5°	4839.3	5008.8	5153.1	5280.5	5394.9	5488.2	5572.9	5638.4	5696.1	5742.7	5778.4
30°	4994.7	5153.1	5293.7	5419.8	5524.0	5615.0	5691.3	5755.2	5808.5	5852.9	5884.3
27.5°	5124.1	5280.5	5419.8	5536.1	5635.9	5723.5	5793.3	5854.8	5901.3	5942.1	5969.2
25°	5241.2	5394.9	5524.0	5635.9	5732.8	5812.6	5879.1	5934.8	5976.1	6011.1	6031.2
22.5°	5341.2	5488.2	5615.0	5723.5	5812.6	5887.3	5949.9	5997.1	6030.9	6052.0	6064.0
20°	5429.5	5572.9	5691.3	5793.3	5879.1	5949.9	6004.3	6039.2	6062.7	6068.5	6072.0
17.5°	5501.0	5638.4	5755.2	5854.8	5934.8	5997.1	6039.2	6063.8	6070.9	6069.6	6066.1
15°	5564.6	5696.1	5808.5	5901.3	5976.1	6030.9	6062.7	6070.9	6068.8	6061.7	6050.8
12.5°	5612.9	5742.7	5852.9	5942.1	6011.1	6052.0	6068.5	6069.6	6061.7	6048.1	6032.6
10°	5651.5	5778.4	5884.3	5969.2	6031.2	6064.0	6072.0	6066.1	6050.8	6032.6	6015.3
7.5°	5681.9	5806.8	5909.3	5990.8	6044.4	6067.7	6069.4	6058.4	6040.0	6019.3	6000.7
5°	5704.0	5827.3	5927.5	6006.6	6054.0	6070.4	6067.5	6052.3	6031.0	6009.4	5992.3
2.5°	5717.3	5839.8	5938.6	6016.2	6059.9	6072.0	6066.3	6048.6	6025.3	6003.0	5986.8
0°	5721.8	5844.0	5942.3	6019.4	6061.9	6072.6	6065.9	6047.3	6023.4	6000.8	5984.9
-2.5°	5717.3	5839.8	5938.6	6016.2	6059.9	6072.0	6066.3	6048.6	6025.3	6003.0	5986.8
-5°	5704.0	5827.3	5927.5	6006.6	6054.0	6070.4	6067.5	6052.3	6031.0	6009.4	5992.3
-7.5°	5681.9	5806.8	5909.3	5990.8	6044.4	6067.7	6069.4	6058.4	6040.0	6019.3	6000.7
-10°	5651.5	5778.4	5884.3	5969.2	6031.2	6064.0	6072.0	6066.1	6050.8	6032.6	6015.3
-12.5°	5612.9	5742.7	5852.9	5942.1	6011.1	6052.0	6068.5	6069.6	6061.7	6048.1	6032.6
-15°	5564.6	5696.1	5808.5	5901.3	5976.1	6030.9	6062.7	6070.9	6068.8	6061.7	6050.8
-17.5°	5501.0	5638.4	5755.2	5854.8	5934.8	5997.1	6039.2	6063.8	6070.9	6069.6	6066.1
-20°	5429.5	5572.9	5691.3	5793.3	5879.1	5949.9	6004.3	6039.2	6062.7	6068.5	6072.0



REPORT NUMBER: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	5341.2	5488.2	5615.0	5723.5	5812.6	5887.3	5949.9	5997.1	6030.9	6052.0	6064.0
-25°	5241.2	5394.9	5524.0	5635.9	5732.8	5812.6	5879.1	5934.8	5976.1	6011.1	6031.2
-27.5°	5124.1	5280.5	5419.8	5536.1	5635.9	5723.5	5793.3	5854.8	5901.3	5942.1	5969.2
-30°	4994.7	5153.1	5293.7	5419.8	5524.0	5615.0	5691.3	5755.2	5808.5	5852.9	5884.3
-32.5°	4839.3	5008.8	5153.1	5280.5	5394.9	5488.2	5572.9	5638.4	5696.1	5742.7	5778.4
-35°	4668.3	4839.3	4994.7	5124.1	5241.2	5341.2	5429.5	5501.0	5564.6	5612.9	5651.5
-37.5°	4470.3	4650.3	4807.4	4948.4	5066.6	5172.9	5262.6	5340.1	5408.5	5459.2	5501.4
-40°	4253.7	4435.2	4596.6	4744.2	4868.1	4982.2	5072.9	5154.6	5224.4	5279.0	5324.4
-42.5°	4020.1	4198.0	4362.2	4508.3	4641.7	4758.0	4855.7	4943.7	5015.1	5072.5	5120.1
-45°	3760.6	3939.9	4106.2	4250.8	4385.7	4501.8	4606.4	4700.4	4773.5	4834.9	4885.8
-47.5°	3473.0	3658.7	3821.5	3970.4	4105.5	4220.9	4326.0	4419.0	4495.2	4560.6	4614.6
-50°	3158.1	3346.4	3509.8	3662.9	3795.2	3913.5	4020.9	4112.7	4188.9	4254.1	4308.0
-52.5°	2813.3	2995.3	3166.3	3322.5	3454.0	3574.9	3684.5	3774.7	3852.2	3918.5	3973.1
-55°	2448.0	2623.4	2788.5	2937.9	3074.7	3200.2	3311.5	3401.3	3480.0	3547.2	3602.6
-57.5°	2086.2	2242.7	2391.2	2532.9	2664.1	2784.3	2890.3	2983.1	3064.2	3133.4	3190.4
-60°	1744.8	1868.2	2001.2	2126.7	2242.7	2349.0	2448.0	2536.3	2613.4	2679.2	2733.3
-62.5°	1439.2	1541.4	1646.7	1744.8	1835.4	1924.9	2011.8	2089.2	2156.8	2214.4	2261.8
-65°	1193.2	1271.5	1344.9	1413.2	1477.0	1551.6	1618.9	1678.8	1731.0	1775.5	1812.1
-67.5°	981.0	1039.4	1094.1	1145.0	1198.1	1249.4	1295.8	1337.0	1372.9	1403.5	1428.6
-70°	799.6	840.4	878.6	917.6	959.0	996.8	1030.9	1061.1	1087.5	1110.0	1128.4
-72.5°	648.6	675.6	702.8	733.7	762.1	788.1	811.4	832.2	850.3	865.7	878.3
-75°	523.8	545.0	566.6	586.6	605.1	621.9	637.1	650.5	662.2	672.2	680.4
-77.5°	411.7	428.6	444.4	459.1	472.6	484.8	495.9	505.7	514.3	521.6	527.5
-80°	294.4	308.5	321.7	333.9	345.2	355.5	364.7	372.9	380.1	386.1	391.1
-82.5°	183.5	193.0	202.0	210.3	218.0	224.9	231.2	236.7	241.6	245.7	249.1
-85°	90.8	95.2	99.3	103.1	106.6	109.8	112.7	115.2	117.4	119.3	120.8
-87.5°	27.2	28.0	28.7	29.4	30.1	30.7	31.2	31.7	32.1	32.4	32.7
-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: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	32.9	33.1	33.2	33.2	33.2	33.1	32.9	32.7	32.4	32.1	31.7
85°	122.0	122.9	123.4	123.6	123.4	122.9	122.0	120.8	119.3	117.4	115.2
82.5°	251.7	253.6	254.7	255.1	254.7	253.6	251.7	249.1	245.7	241.6	236.7
80°	395.0	397.8	399.4	400.0	399.4	397.8	395.0	391.1	386.1	380.1	372.9
77.5°	532.2	535.5	537.5	538.2	537.5	535.5	532.2	527.5	521.6	514.3	505.7
75°	686.8	691.3	694.1	695.0	694.1	691.3	686.8	680.4	672.2	662.2	650.5
72.5°	888.2	895.2	899.5	900.9	899.5	895.2	888.2	878.3	865.7	850.3	832.2
70°	1142.8	1153.1	1159.3	1161.4	1159.3	1153.1	1142.8	1128.4	1110.0	1087.5	1061.1
67.5°	1448.3	1462.3	1470.8	1473.6	1470.8	1462.3	1448.3	1428.6	1403.5	1372.9	1337.0
65°	1840.7	1861.2	1873.5	1877.6	1873.5	1861.2	1840.7	1812.1	1775.5	1731.0	1678.8
62.5°	2298.8	2325.3	2341.3	2346.6	2341.3	2325.3	2298.8	2261.8	2214.4	2156.8	2089.2
60°	2775.6	2806.0	2824.2	2830.3	2824.2	2806.0	2775.6	2733.3	2679.2	2613.4	2536.3
57.5°	3235.0	3267.0	3286.3	3292.7	3286.3	3267.0	3235.0	3190.4	3133.4	3064.2	2983.1
55°	3645.9	3677.0	3695.7	3702.0	3695.7	3677.0	3645.9	3602.6	3547.2	3480.0	3401.3
52.5°	4016.0	4046.7	4065.2	4071.4	4065.2	4046.7	4016.0	3973.1	3918.5	3852.2	3774.7
50°	4350.2	4380.5	4398.8	4404.9	4398.8	4380.5	4350.2	4308.0	4254.1	4188.9	4112.7
47.5°	4656.9	4687.4	4705.8	4711.9	4705.8	4687.4	4656.9	4614.6	4560.6	4495.2	4419.0
45°	4925.7	4954.5	4971.8	4977.6	4971.8	4954.5	4925.7	4885.8	4834.9	4773.5	4700.4
42.5°	5157.5	5184.5	5200.8	5206.2	5200.8	5184.5	5157.5	5120.1	5072.5	5015.1	4943.7
40°	5360.2	5386.0	5401.6	5406.8	5401.6	5386.0	5360.2	5324.4	5279.0	5224.4	5154.6
37.5°	5534.7	5558.8	5573.3	5578.2	5573.3	5558.8	5534.7	5501.4	5459.2	5408.5	5340.1
35°	5681.9	5704.0	5717.3	5721.8	5717.3	5704.0	5681.9	5651.5	5612.9	5564.6	5501.0
32.5°	5806.8	5827.3	5839.8	5844.0	5839.8	5827.3	5806.8	5778.4	5742.7	5696.1	5638.4
30°	5909.3	5927.5	5938.6	5942.3	5938.6	5927.5	5909.3	5884.3	5852.9	5808.5	5755.2
27.5°	5990.8	6006.6	6016.2	6019.4	6016.2	6006.6	5990.8	5969.2	5942.1	5901.3	5854.8
25°	6044.4	6054.0	6059.9	6061.9	6059.9	6054.0	6044.4	6031.2	6011.1	5976.1	5934.8
22.5°	6067.7	6070.4	6072.0	6072.6	6072.0	6070.4	6067.7	6064.0	6052.0	6030.9	5997.1
20°	6069.4	6067.5	6066.3	6065.9	6066.3	6067.5	6069.4	6072.0	6068.5	6062.7	6039.2
17.5°	6058.4	6052.3	6048.6	6047.3	6048.6	6052.3	6058.4	6066.1	6069.6	6070.9	6063.8
15°	6040.0	6031.0	6025.3	6023.4	6025.3	6031.0	6040.0	6050.8	6061.7	6068.8	6070.9
12.5°	6019.3	6009.4	6003.0	6000.8	6003.0	6009.4	6019.3	6032.6	6048.1	6061.7	6069.6
10°	6000.7	5992.3	5986.8	5984.9	5986.8	5992.3	6000.7	6015.3	6032.6	6050.8	6066.1
7.5°	5988.7	5981.2	5977.1	5975.6	5977.1	5981.2	5988.7	6000.7	6019.3	6040.0	6058.4
5°	5981.2	5973.7	5967.4	5964.9	5967.4	5973.7	5981.2	5992.3	6009.4	6031.0	6052.3
2.5°	5977.1	5967.4	5957.9	5953.0	5957.9	5967.4	5977.1	5986.8	6003.0	6025.3	6048.6
0°	5975.6	5964.9	5953.0	5954.3	5953.0	5964.9	5975.6	5984.9	6000.8	6023.4	6047.3
-2.5°	5977.1	5967.4	5957.9	5953.0	5957.9	5967.4	5977.1	5986.8	6003.0	6025.3	6048.6
-5°	5981.2	5973.7	5967.4	5964.9	5967.4	5973.7	5981.2	5992.3	6009.4	6031.0	6052.3
-7.5°	5988.7	5981.2	5977.1	5975.6	5977.1	5981.2	5988.7	6000.7	6019.3	6040.0	6058.4
-10°	6000.7	5992.3	5986.8	5984.9	5986.8	5992.3	6000.7	6015.3	6032.6	6050.8	6066.1
-12.5°	6019.3	6009.4	6003.0	6000.8	6003.0	6009.4	6019.3	6032.6	6048.1	6061.7	6069.6
-15°	6040.0	6031.0	6025.3	6023.4	6025.3	6031.0	6040.0	6050.8	6061.7	6068.8	6070.9
-17.5°	6058.4	6052.3	6048.6	6047.3	6048.6	6052.3	6058.4	6066.1	6069.6	6070.9	6063.8
-20°	6069.4	6067.5	6066.3	6065.9	6066.3	6067.5	6069.4	6072.0	6068.5	6062.7	6039.2



REPORT NUMBER: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	6067.7	6070.4	6072.0	6072.6	6072.0	6070.4	6067.7	6064.0	6052.0	6030.9	5997.1
-25°	6044.4	6054.0	6059.9	6061.9	6059.9	6054.0	6044.4	6031.2	6011.1	5976.1	5934.8
-27.5°	5990.8	6006.6	6016.2	6019.4	6016.2	6006.6	5990.8	5969.2	5942.1	5901.3	5854.8
-30°	5909.3	5927.5	5938.6	5942.3	5938.6	5927.5	5909.3	5884.3	5852.9	5808.5	5755.2
-32.5°	5806.8	5827.3	5839.8	5844.0	5839.8	5827.3	5806.8	5778.4	5742.7	5696.1	5638.4
-35°	5681.9	5704.0	5717.3	5721.8	5717.3	5704.0	5681.9	5651.5	5612.9	5564.6	5501.0
-37.5°	5534.7	5558.8	5573.3	5578.2	5573.3	5558.8	5534.7	5501.4	5459.2	5408.5	5340.1
-40°	5360.2	5386.0	5401.6	5406.8	5401.6	5386.0	5360.2	5324.4	5279.0	5224.4	5154.6
-42.5°	5157.5	5184.5	5200.8	5206.2	5200.8	5184.5	5157.5	5120.1	5072.5	5015.1	4943.7
-45°	4925.7	4954.5	4971.8	4977.6	4971.8	4954.5	4925.7	4885.8	4834.9	4773.5	4700.4
-47.5°	4656.9	4687.4	4705.8	4711.9	4705.8	4687.4	4656.9	4614.6	4560.6	4495.2	4419.0
-50°	4350.2	4380.5	4398.8	4404.9	4398.8	4380.5	4350.2	4308.0	4254.1	4188.9	4112.7
-52.5°	4016.0	4046.7	4065.2	4071.4	4065.2	4046.7	4016.0	3973.1	3918.5	3852.2	3774.7
-55°	3645.9	3677.0	3695.7	3702.0	3695.7	3677.0	3645.9	3602.6	3547.2	3480.0	3401.3
-57.5°	3235.0	3267.0	3286.3	3292.7	3286.3	3267.0	3235.0	3190.4	3133.4	3064.2	2983.1
-60°	2775.6	2806.0	2824.2	2830.3	2824.2	2806.0	2775.6	2733.3	2679.2	2613.4	2536.3
-62.5°	2298.8	2325.3	2341.3	2346.6	2341.3	2325.3	2298.8	2261.8	2214.4	2156.8	2089.2
-65°	1840.7	1861.2	1873.5	1877.6	1873.5	1861.2	1840.7	1812.1	1775.5	1731.0	1678.8
-67.5°	1448.3	1462.3	1470.8	1473.6	1470.8	1462.3	1448.3	1428.6	1403.5	1372.9	1337.0
-70°	1142.8	1153.1	1159.3	1161.4	1159.3	1153.1	1142.8	1128.4	1110.0	1087.5	1061.1
-72.5°	888.2	895.2	899.5	900.9	899.5	895.2	888.2	878.3	865.7	850.3	832.2
-75°	686.8	691.3	694.1	695.0	694.1	691.3	686.8	680.4	672.2	662.2	650.5
-77.5°	532.2	535.5	537.5	538.2	537.5	535.5	532.2	527.5	521.6	514.3	505.7
-80°	395.0	397.8	399.4	400.0	399.4	397.8	395.0	391.1	386.1	380.1	372.9
-82.5°	251.7	253.6	254.7	255.1	254.7	253.6	251.7	249.1	245.7	241.6	236.7
-85°	122.0	122.9	123.4	123.6	123.4	122.9	122.0	120.8	119.3	117.4	115.2
-87.5°	32.9	33.1	33.2	33.2	33.2	33.1	32.9	32.7	32.4	32.1	31.7
-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: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	31.2	30.7	30.1	29.4	28.7	28.0	27.2	26.3	25.4	24.5	23.5
85°	112.7	109.8	106.6	103.1	99.3	95.2	90.8	86.2	81.2	76.0	70.6
82.5°	231.2	224.9	218.0	210.3	202.0	193.0	183.5	173.2	162.4	151.1	139.2
80°	364.7	355.5	345.2	333.9	321.7	308.5	294.4	279.4	263.5	247.5	231.6
77.5°	495.9	484.8	472.6	459.1	444.4	428.6	411.7	393.5	373.6	352.6	330.6
75°	637.1	621.9	605.1	586.6	566.6	545.0	523.8	502.2	479.4	455.3	430.1
72.5°	811.4	788.1	762.1	733.7	702.8	675.6	648.6	619.9	589.5	557.6	525.8
70°	1030.9	996.8	959.0	917.6	878.6	840.4	799.6	756.3	710.6	670.3	632.0
67.5°	1295.8	1249.4	1198.1	1145.0	1094.1	1039.4	981.0	919.0	863.6	809.3	752.6
65°	1618.9	1551.6	1477.0	1413.2	1344.9	1271.5	1193.2	1118.7	1045.7	969.1	891.7
62.5°	2011.8	1924.9	1835.4	1744.8	1646.7	1541.4	1439.2	1347.4	1250.7	1151.3	1063.1
60°	2448.0	2349.0	2242.7	2126.7	2001.2	1868.2	1744.8	1614.3	1477.0	1365.2	1249.4
57.5°	2890.3	2784.3	2664.1	2532.9	2391.2	2242.7	2086.2	1920.9	1765.3	1608.9	1452.3
55°	3311.5	3200.2	3074.7	2937.9	2788.5	2623.4	2448.0	2265.6	2077.3	1880.8	1704.3
52.5°	3684.5	3574.9	3454.0	3322.5	3166.3	2995.3	2813.3	2613.4	2404.0	2190.6	1970.8
50°	4020.9	3913.5	3795.2	3662.9	3509.8	3346.4	3158.1	2952.6	2733.3	2499.2	2259.2
47.5°	4326.0	4220.9	4105.5	3970.4	3821.5	3658.7	3473.0	3276.1	3046.1	2806.0	2547.1
45°	4606.4	4501.8	4385.7	4250.8	4106.2	3939.9	3760.6	3558.6	3341.4	3093.3	2830.3
42.5°	4855.7	4758.0	4641.7	4508.3	4362.2	4198.0	4020.1	3819.8	3601.7	3362.7	3093.3
40°	5072.9	4982.2	4868.1	4744.2	4596.6	4435.2	4253.7	4060.5	3839.7	3601.7	3341.4
37.5°	5262.6	5172.9	5066.6	4948.4	4807.4	4650.3	4470.3	4272.4	4060.5	3819.8	3558.6
35°	5429.5	5341.2	5241.2	5124.1	4994.7	4839.3	4668.3	4470.3	4253.7	4020.1	3760.6
32.5°	5572.9	5488.2	5394.9	5280.5	5153.1	5008.8	4839.3	4650.3	4435.2	4198.0	3939.9
30°	5691.3	5615.0	5524.0	5419.8	5293.7	5153.1	4994.7	4807.4	4596.6	4362.2	4106.2
27.5°	5793.3	5723.5	5635.9	5536.1	5419.8	5280.5	5124.1	4948.4	4744.2	4508.3	4250.8
25°	5879.1	5812.6	5732.8	5635.9	5524.0	5394.9	5241.2	5066.6	4868.1	4641.7	4385.7
22.5°	5949.9	5887.3	5812.6	5723.5	5615.0	5488.2	5341.2	5172.9	4982.2	4758.0	4501.8
20°	6004.3	5949.9	5879.1	5793.3	5691.3	5572.9	5429.5	5262.6	5072.9	4855.7	4606.4
17.5°	6039.2	5997.1	5934.8	5854.8	5755.2	5638.4	5501.0	5340.1	5154.6	4943.7	4700.4
15°	6062.7	6030.9	5976.1	5901.3	5808.5	5696.1	5564.6	5408.5	5224.4	5015.1	4773.5
12.5°	6068.5	6052.0	6011.1	5942.1	5852.9	5742.7	5612.9	5459.2	5279.0	5072.5	4834.9
10°	6072.0	6064.0	6031.2	5969.2	5884.3	5778.4	5651.5	5501.4	5324.4	5120.1	4885.8
7.5°	6069.4	6067.7	6044.4	5990.8	5909.3	5806.8	5681.9	5534.7	5360.2	5157.5	4925.7
5°	6067.5	6070.4	6054.0	6006.6	5927.5	5827.3	5704.0	5558.8	5386.0	5184.5	4954.5
2.5°	6066.3	6072.0	6059.9	6016.2	5938.6	5839.8	5717.3	5573.3	5401.6	5200.8	4971.8
0°	6065.9	6072.6	6061.9	6019.4	5942.3	5844.0	5721.8	5578.2	5406.8	5206.2	4977.6
-2.5°	6066.3	6072.0	6059.9	6016.2	5938.6	5839.8	5717.3	5573.3	5401.6	5200.8	4971.8
-5°	6067.5	6070.4	6054.0	6006.6	5927.5	5827.3	5704.0	5558.8	5386.0	5184.5	4954.5
-7.5°	6069.4	6067.7	6044.4	5990.8	5909.3	5806.8	5681.9	5534.7	5360.2	5157.5	4925.7
-10°	6072.0	6064.0	6031.2	5969.2	5884.3	5778.4	5651.5	5501.4	5324.4	5120.1	4885.8
-12.5°	6068.5	6052.0	6011.1	5942.1	5852.9	5742.7	5612.9	5459.2	5279.0	5072.5	4834.9
-15°	6062.7	6030.9	5976.1	5901.3	5808.5	5696.1	5564.6	5408.5	5224.4	5015.1	4773.5
-17.5°	6039.2	5997.1	5934.8	5854.8	5755.2	5638.4	5501.0	5340.1	5154.6	4943.7	4700.4
-20°	6004.3	5949.9	5879.1	5793.3	5691.3	5572.9	5429.5	5262.6	5072.9	4855.7	4606.4

Classified

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

Scaled Data Report



REPORT NUMBER: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	5949.9	5887.3	5812.6	5723.5	5615.0	5488.2	5341.2	5172.9	4982.2	4758.0	4501.8
-25°	5879.1	5812.6	5732.8	5635.9	5524.0	5394.9	5241.2	5066.6	4868.1	4641.7	4385.7
-27.5°	5793.3	5723.5	5635.9	5536.1	5419.8	5280.5	5124.1	4948.4	4744.2	4508.3	4250.8
-30°	5691.3	5615.0	5524.0	5419.8	5293.7	5153.1	4994.7	4807.4	4596.6	4362.2	4106.2
-32.5°	5572.9	5488.2	5394.9	5280.5	5153.1	5008.8	4839.3	4650.3	4435.2	4198.0	3939.9
-35°	5429.5	5341.2	5241.2	5124.1	4994.7	4839.3	4668.3	4470.3	4253.7	4020.1	3760.6
-37.5°	5262.6	5172.9	5066.6	4948.4	4807.4	4650.3	4470.3	4272.4	4060.5	3819.8	3558.6
-40°	5072.9	4982.2	4868.1	4744.2	4596.6	4435.2	4253.7	4060.5	3839.7	3601.7	3341.4
-42.5°	4855.7	4758.0	4641.7	4508.3	4362.2	4198.0	4020.1	3819.8	3601.7	3362.7	3093.3
-45°	4606.4	4501.8	4385.7	4250.8	4106.2	3939.9	3760.6	3558.6	3341.4	3093.3	2830.3
-47.5°	4326.0	4220.9	4105.5	3970.4	3821.5	3658.7	3473.0	3276.1	3046.1	2806.0	2547.1
-50°	4020.9	3913.5	3795.2	3662.9	3509.8	3346.4	3158.1	2952.6	2733.3	2499.2	2259.2
-52.5°	3684.5	3574.9	3454.0	3322.5	3166.3	2995.3	2813.3	2613.4	2404.0	2190.6	1970.8
-55°	3311.5	3200.2	3074.7	2937.9	2788.5	2623.4	2448.0	2265.6	2077.3	1880.8	1704.3
-57.5°	2890.3	2784.3	2664.1	2532.9	2391.2	2242.7	2086.2	1920.9	1765.3	1608.9	1452.3
-60°	2448.0	2349.0	2242.7	2126.7	2001.2	1868.2	1744.8	1614.3	1477.0	1365.2	1249.4
-62.5°	2011.8	1924.9	1835.4	1744.8	1646.7	1541.4	1439.2	1347.4	1250.7	1151.3	1063.1
-65°	1618.9	1551.6	1477.0	1413.2	1344.9	1271.5	1193.2	1118.7	1045.7	969.1	891.7
-67.5°	1295.8	1249.4	1198.1	1145.0	1094.1	1039.4	981.0	919.0	863.6	809.3	752.6
-70°	1030.9	996.8	959.0	917.6	878.6	840.4	799.6	756.3	710.6	670.3	632.0
-72.5°	811.4	788.1	762.1	733.7	702.8	675.6	648.6	619.9	589.5	557.6	525.8
-75°	637.1	621.9	605.1	586.6	566.6	545.0	523.8	502.2	479.4	455.3	430.1
-77.5°	495.9	484.8	472.6	459.1	444.4	428.6	411.7	393.5	373.6	352.6	330.6
-80°	364.7	355.5	345.2	333.9	321.7	308.5	294.4	279.4	263.5	247.5	231.6
-82.5°	231.2	224.9	218.0	210.3	202.0	193.0	183.5	173.2	162.4	151.1	139.2
-85°	112.7	109.8	106.6	103.1	99.3	95.2	90.8	86.2	81.2	76.0	70.6
-87.5°	31.2	30.7	30.1	29.4	28.7	28.0	27.2	26.3	25.4	24.5	23.5
-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: P645464 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-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°	22.4	21.3	20.2	19.0	17.8	16.6	15.3	14.0	12.7	11.4	10.0
85°	64.9	58.9	52.8	46.4	39.9	33.2	30.6	28.0	25.4	22.7	19.9
82.5°	126.7	116.8	107.6	98.1	88.2	78.1	67.7	57.1	46.3	35.3	29.9
80°	215.0	197.7	179.8	161.3	142.2	122.9	109.1	95.0	80.6	65.9	51.0
77.5°	307.7	283.9	259.2	235.7	211.9	187.4	162.3	136.7	114.6	96.3	77.7
75°	403.9	375.5	345.8	315.2	283.7	251.7	221.6	190.9	159.6	127.7	104.2
72.5°	495.2	463.3	430.3	396.1	359.3	321.6	283.0	244.6	208.2	171.1	133.5
70°	592.1	550.7	511.5	472.6	432.6	391.1	347.1	302.1	256.3	214.0	171.1
67.5°	694.0	647.3	599.1	549.5	503.1	457.0	409.8	359.8	308.5	256.3	208.2
65°	825.9	757.8	689.3	634.1	577.4	521.6	469.3	416.0	359.8	302.1	244.6
62.5°	971.4	881.6	804.2	724.5	655.2	591.4	527.7	469.3	409.8	347.1	283.0
60°	1134.6	1030.9	923.9	832.2	743.1	662.2	591.4	521.6	457.0	391.1	321.6
57.5°	1321.8	1186.9	1066.8	947.8	841.6	743.1	655.2	577.4	503.1	432.6	359.3
55°	1521.9	1365.5	1215.9	1078.8	947.8	832.2	724.5	634.1	549.5	472.6	396.1
52.5°	1762.0	1560.2	1380.2	1215.9	1066.8	923.9	804.2	689.3	599.1	511.5	430.3
50°	2016.1	1781.4	1560.2	1365.5	1186.9	1030.9	881.6	757.8	647.3	550.7	463.3
47.5°	2282.2	2016.1	1762.0	1521.9	1321.8	1134.6	971.4	825.9	694.0	592.1	495.2
45°	2547.1	2259.2	1970.8	1704.3	1452.3	1249.4	1063.1	891.7	752.6	632.0	525.8
42.5°	2806.0	2499.2	2190.6	1880.8	1608.9	1365.2	1151.3	969.1	809.3	670.3	557.6
40°	3046.1	2733.3	2404.0	2077.3	1765.3	1477.0	1250.7	1045.7	863.6	710.6	589.5
37.5°	3276.1	2952.6	2613.4	2265.6	1920.9	1614.3	1347.4	1118.7	919.0	756.3	619.9
35°	3473.0	3158.1	2813.3	2448.0	2086.2	1744.8	1439.2	1193.2	981.0	799.6	648.6
32.5°	3658.7	3346.4	2995.3	2623.4	2242.7	1868.2	1541.4	1271.5	1039.4	840.4	675.6
30°	3821.5	3509.8	3166.3	2788.5	2391.2	2001.2	1646.7	1344.9	1094.1	878.6	702.8
27.5°	3970.4	3662.9	3322.5	2937.9	2532.9	2126.7	1744.8	1413.2	1145.0	917.6	733.7
25°	4105.5	3795.2	3454.0	3074.7	2664.1	2242.7	1835.4	1477.0	1198.1	959.0	762.1
22.5°	4220.9	3913.5	3574.9	3200.2	2784.3	2349.0	1924.9	1551.6	1249.4	996.8	788.1
20°	4326.0	4020.9	3684.5	3311.5	2890.3	2448.0	2011.8	1618.9	1295.8	1030.9	811.4
17.5°	4419.0	4112.7	3774.7	3401.3	2983.1	2536.3	2089.2	1678.8	1337.0	1061.1	832.2
15°	4495.2	4188.9	3852.2	3480.0	3064.2	2613.4	2156.8	1731.0	1372.9	1087.5	850.3
12.5°	4560.6	4254.1	3918.5	3547.2	3133.4	2679.2	2214.4	1775.5	1403.5	1110.0	865.7
10°	4614.6	4308.0	3973.1	3602.6	3190.4	2733.3	2261.8	1812.1	1428.6	1128.4	878.3
7.5°	4656.9	4350.2	4016.0	3645.9	3235.0	2775.6	2298.8	1840.7	1448.3	1142.8	888.2
5°	4687.4	4380.5	4046.7	3677.0	3267.0	2806.0	2325.3	1861.2	1462.3	1153.1	895.2
2.5°	4705.8	4398.8	4065.2	3695.7	3286.3	2824.2	2341.3	1873.5	1470.8	1159.3	899.5
0°	4711.9	4404.9	4071.4	3702.0	3292.7	2830.3	2346.6	1877.6	1473.6	1161.4	900.9
-2.5°	4705.8	4398.8	4065.2	3695.7	3286.3	2824.2	2341.3	1873.5	1470.8	1159.3	899.5
-5°	4687.4	4380.5	4046.7	3677.0	3267.0	2806.0	2325.3	1861.2	1462.3	1153.1	895.2
-7.5°	4656.9	4350.2	4016.0	3645.9	3235.0	2775.6	2298.8	1840.7	1448.3	1142.8	888.2
-10°	4614.6	4308.0	3973.1	3602.6	3190.4	2733.3	2261.8	1812.1	1428.6	1128.4	878.3
-12.5°	4560.6	4254.1	3918.5	3547.2	3133.4	2679.2	2214.4	1775.5	1403.5	1110.0	865.7
-15°	4495.2	4188.9	3852.2	3480.0	3064.2	2613.4	2156.8	1731.0	1372.9	1087.5	850.3
-17.5°	4419.0	4112.7	3774.7	3401.3	2983.1	2536.3	2089.2	1678.8	1337.0	1061.1	832.2
-20°	4326.0	4020.9	3684.5	3311.5	2890.3	2448.0	2011.8	1618.9	1295.8	1030.9	811.4



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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°	4220.9	3913.5	3574.9	3200.2	2784.3	2349.0	1924.9	1551.6	1249.4	996.8	788.1
-25°	4105.5	3795.2	3454.0	3074.7	2664.1	2242.7	1835.4	1477.0	1198.1	959.0	762.1
-27.5°	3970.4	3662.9	3322.5	2937.9	2532.9	2126.7	1744.8	1413.2	1145.0	917.6	733.7
-30°	3821.5	3509.8	3166.3	2788.5	2391.2	2001.2	1646.7	1344.9	1094.1	878.6	702.8
-32.5°	3658.7	3346.4	2995.3	2623.4	2242.7	1868.2	1541.4	1271.5	1039.4	840.4	675.6
-35°	3473.0	3158.1	2813.3	2448.0	2086.2	1744.8	1439.2	1193.2	981.0	799.6	648.6
-37.5°	3276.1	2952.6	2613.4	2265.6	1920.9	1614.3	1347.4	1118.7	919.0	756.3	619.9
-40°	3046.1	2733.3	2404.0	2077.3	1765.3	1477.0	1250.7	1045.7	863.6	710.6	589.5
-42.5°	2806.0	2499.2	2190.6	1880.8	1608.9	1365.2	1151.3	969.1	809.3	670.3	557.6
-45°	2547.1	2259.2	1970.8	1704.3	1452.3	1249.4	1063.1	891.7	752.6	632.0	525.8
-47.5°	2282.2	2016.1	1762.0	1521.9	1321.8	1134.6	971.4	825.9	694.0	592.1	495.2
-50°	2016.1	1781.4	1560.2	1365.5	1186.9	1030.9	881.6	757.8	647.3	550.7	463.3
-52.5°	1762.0	1560.2	1380.2	1215.9	1066.8	923.9	804.2	689.3	599.1	511.5	430.3
-55°	1521.9	1365.5	1215.9	1078.8	947.8	832.2	724.5	634.1	549.5	472.6	396.1
-57.5°	1321.8	1186.9	1066.8	947.8	841.6	743.1	655.2	577.4	503.1	432.6	359.3
-60°	1134.6	1030.9	923.9	832.2	743.1	662.2	591.4	521.6	457.0	391.1	321.6
-62.5°	971.4	881.6	804.2	724.5	655.2	591.4	527.7	469.3	409.8	347.1	283.0
-65°	825.9	757.8	689.3	634.1	577.4	521.6	469.3	416.0	359.8	302.1	244.6
-67.5°	694.0	647.3	599.1	549.5	503.1	457.0	409.8	359.8	308.5	256.3	208.2
-70°	592.1	550.7	511.5	472.6	432.6	391.1	347.1	302.1	256.3	214.0	171.1
-72.5°	495.2	463.3	430.3	396.1	359.3	321.6	283.0	244.6	208.2	171.1	133.5
-75°	403.9	375.5	345.8	315.2	283.7	251.7	221.6	190.9	159.6	127.7	104.2
-77.5°	307.7	283.9	259.2	235.7	211.9	187.4	162.3	136.7	114.6	96.3	77.7
-80°	215.0	197.7	179.8	161.3	142.2	122.9	109.1	95.0	80.6	65.9	51.0
-82.5°	126.7	116.8	107.6	98.1	88.2	78.1	67.7	57.1	46.3	35.3	29.9
-85°	64.9	58.9	52.8	46.4	39.9	33.2	30.6	28.0	25.4	22.7	19.9
-87.5°	22.4	21.3	20.2	19.0	17.8	16.6	15.3	14.0	12.7	11.4	10.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	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°	8.6	7.2	5.8	4.3	2.9	1.4	0.0
85°	17.2	14.4	11.5	8.7	5.8	2.9	0.0
82.5°	25.7	21.5	17.2	13.0	8.7	4.3	0.0
80°	35.9	28.6	22.9	17.2	11.5	5.8	0.0
77.5°	58.9	39.9	28.6	21.5	14.4	7.2	0.0
75°	81.7	58.9	35.9	25.7	17.2	8.6	0.0
72.5°	104.2	77.7	51.0	29.9	19.9	10.0	0.0
70°	127.7	96.3	65.9	35.3	22.7	11.4	0.0
67.5°	159.6	114.6	80.6	46.3	25.4	12.7	0.0
65°	190.9	136.7	95.0	57.1	28.0	14.0	0.0
62.5°	221.6	162.3	109.1	67.7	30.6	15.3	0.0
60°	251.7	187.4	122.9	78.1	33.2	16.6	0.0
57.5°	283.7	211.9	142.2	88.2	39.9	17.8	0.0
55°	315.2	235.7	161.3	98.1	46.4	19.0	0.0
52.5°	345.8	259.2	179.8	107.6	52.8	20.2	0.0
50°	375.5	283.9	197.7	116.8	58.9	21.3	0.0
47.5°	403.9	307.7	215.0	126.7	64.9	22.4	0.0
45°	430.1	330.6	231.6	139.2	70.6	23.5	0.0
42.5°	455.3	352.6	247.5	151.1	76.0	24.5	0.0
40°	479.4	373.6	263.5	162.4	81.2	25.4	0.0
37.5°	502.2	393.5	279.4	173.2	86.2	26.3	0.0
35°	523.8	411.7	294.4	183.5	90.8	27.2	0.0
32.5°	545.0	428.6	308.5	193.0	95.2	28.0	0.0
30°	566.6	444.4	321.7	202.0	99.3	28.7	0.0
27.5°	586.6	459.1	333.9	210.3	103.1	29.4	0.0
25°	605.1	472.6	345.2	218.0	106.6	30.1	0.0
22.5°	621.9	484.8	355.5	224.9	109.8	30.7	0.0
20°	637.1	495.9	364.7	231.2	112.7	31.2	0.0
17.5°	650.5	505.7	372.9	236.7	115.2	31.7	0.0
15°	662.2	514.3	380.1	241.6	117.4	32.1	0.0
12.5°	672.2	521.6	386.1	245.7	119.3	32.4	0.0
10°	680.4	527.5	391.1	249.1	120.8	32.7	0.0
7.5°	686.8	532.2	395.0	251.7	122.0	32.9	0.0
5°	691.3	535.5	397.8	253.6	122.9	33.1	0.0
2.5°	694.1	537.5	399.4	254.7	123.4	33.2	0.0
0°	695.0	538.2	400.0	255.1	123.6	33.2	0.0
-2.5°	694.1	537.5	399.4	254.7	123.4	33.2	0.0
-5°	691.3	535.5	397.8	253.6	122.9	33.1	0.0
-7.5°	686.8	532.2	395.0	251.7	122.0	32.9	0.0
-10°	680.4	527.5	391.1	249.1	120.8	32.7	0.0
-12.5°	672.2	521.6	386.1	245.7	119.3	32.4	0.0
-15°	662.2	514.3	380.1	241.6	117.4	32.1	0.0
-17.5°	650.5	505.7	372.9	236.7	115.2	31.7	0.0
-20°	637.1	495.9	364.7	231.2	112.7	31.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	621.9	484.8	355.5	224.9	109.8	30.7	0.0
-25°	605.1	472.6	345.2	218.0	106.6	30.1	0.0
-27.5°	586.6	459.1	333.9	210.3	103.1	29.4	0.0
-30°	566.6	444.4	321.7	202.0	99.3	28.7	0.0
-32.5°	545.0	428.6	308.5	193.0	95.2	28.0	0.0
-35°	523.8	411.7	294.4	183.5	90.8	27.2	0.0
-37.5°	502.2	393.5	279.4	173.2	86.2	26.3	0.0
-40°	479.4	373.6	263.5	162.4	81.2	25.4	0.0
-42.5°	455.3	352.6	247.5	151.1	76.0	24.5	0.0
-45°	430.1	330.6	231.6	139.2	70.6	23.5	0.0
-47.5°	403.9	307.7	215.0	126.7	64.9	22.4	0.0
-50°	375.5	283.9	197.7	116.8	58.9	21.3	0.0
-52.5°	345.8	259.2	179.8	107.6	52.8	20.2	0.0
-55°	315.2	235.7	161.3	98.1	46.4	19.0	0.0
-57.5°	283.7	211.9	142.2	88.2	39.9	17.8	0.0
-60°	251.7	187.4	122.9	78.1	33.2	16.6	0.0
-62.5°	221.6	162.3	109.1	67.7	30.6	15.3	0.0
-65°	190.9	136.7	95.0	57.1	28.0	14.0	0.0
-67.5°	159.6	114.6	80.6	46.3	25.4	12.7	0.0
-70°	127.7	96.3	65.9	35.3	22.7	11.4	0.0
-72.5°	104.2	77.7	51.0	29.9	19.9	10.0	0.0
-75°	81.7	58.9	35.9	25.7	17.2	8.6	0.0
-77.5°	58.9	39.9	28.6	21.5	14.4	7.2	0.0
-80°	35.9	28.6	22.9	17.2	11.5	5.8	0.0
-82.5°	25.7	21.5	17.2	13.0	8.7	4.3	0.0
-85°	17.2	14.4	11.5	8.7	5.8	2.9	0.0
-87.5°	8.6	7.2	5.8	4.3	2.9	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)