

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: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645538 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5E-727-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

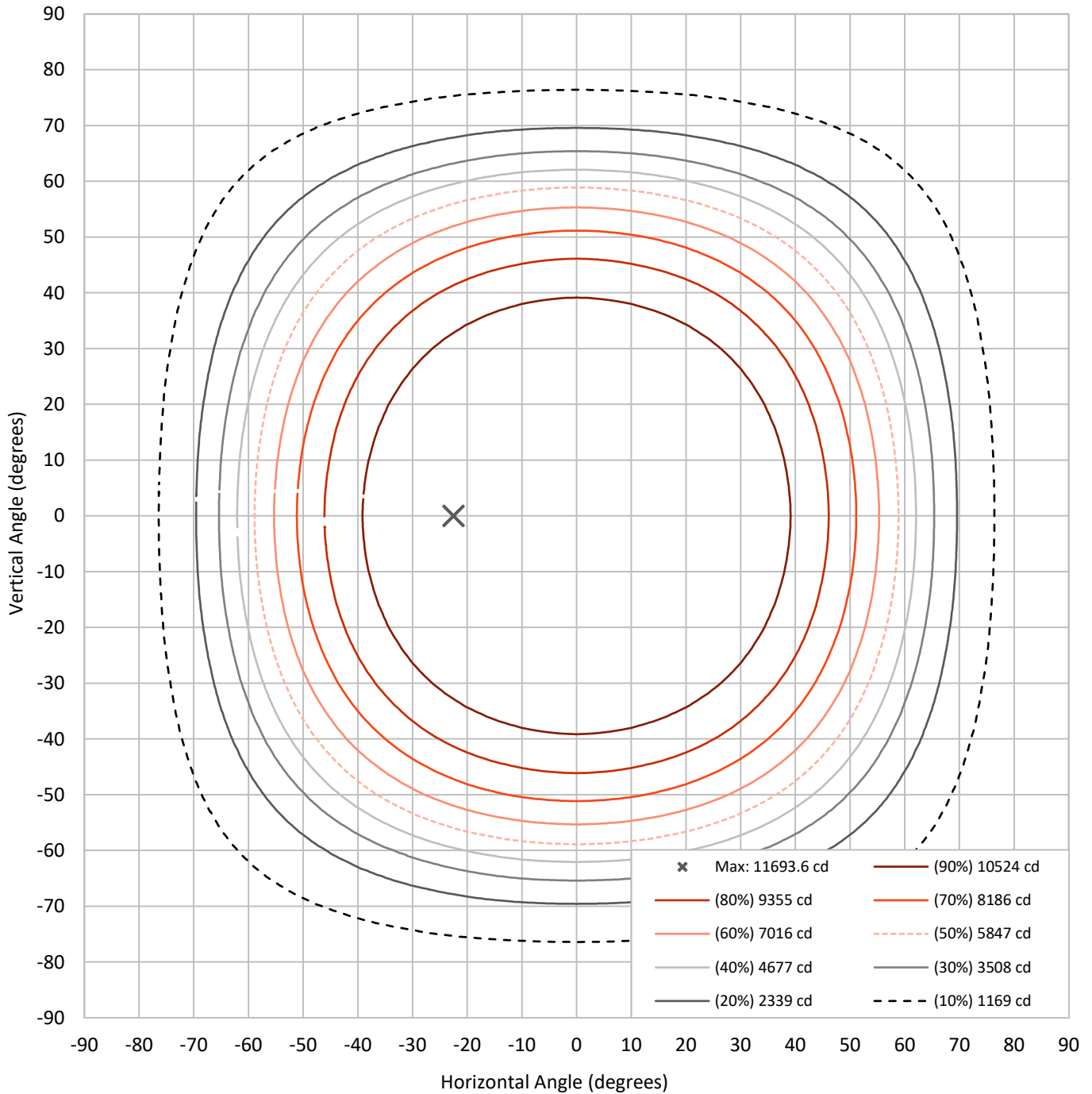
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	35771.4 lumens	Max Intensity:	11693.6 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	114.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	29769.6 lumens	Field Lumens:	35067.8 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	313.7		
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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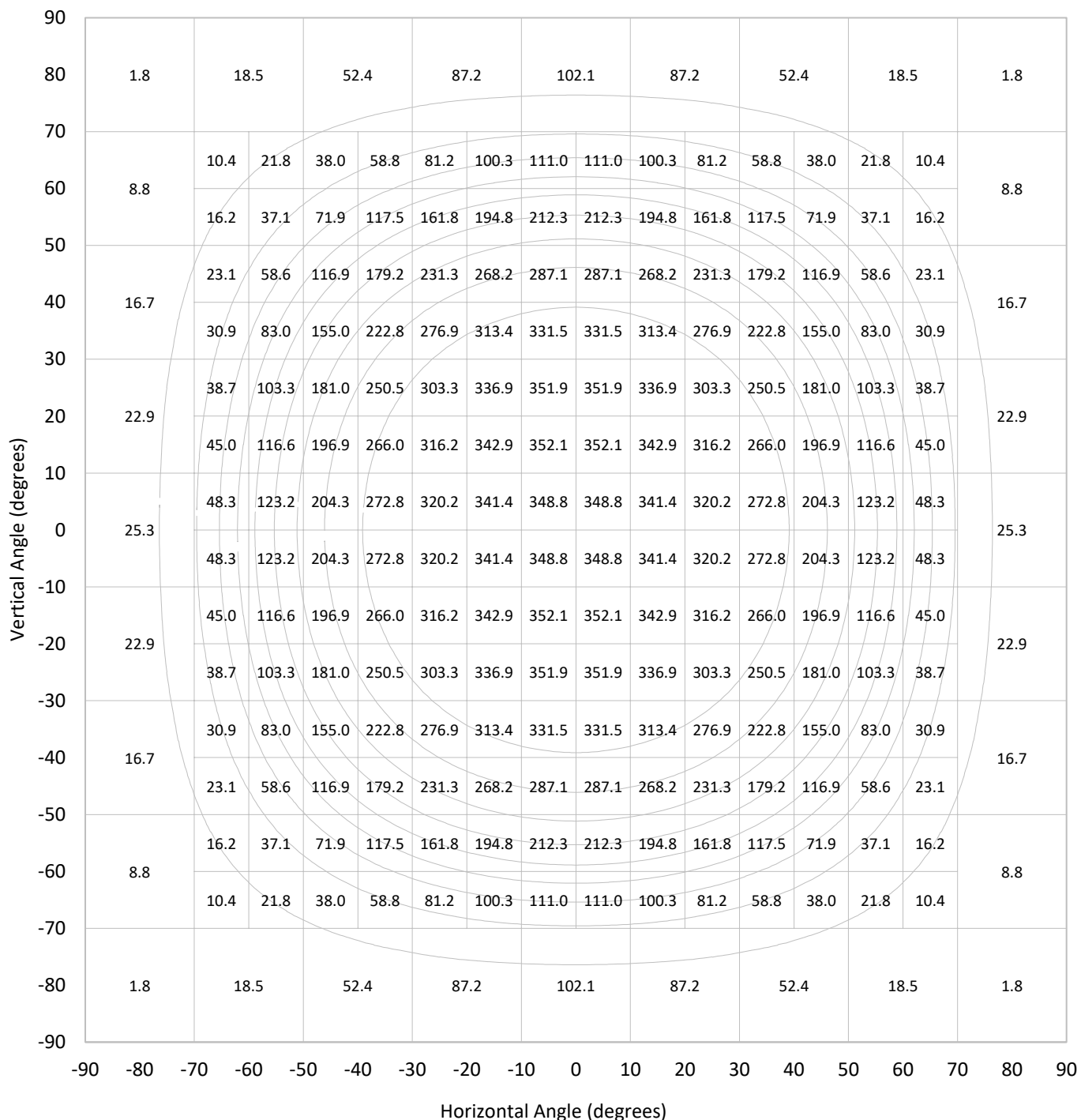
Iso-Candela Plot





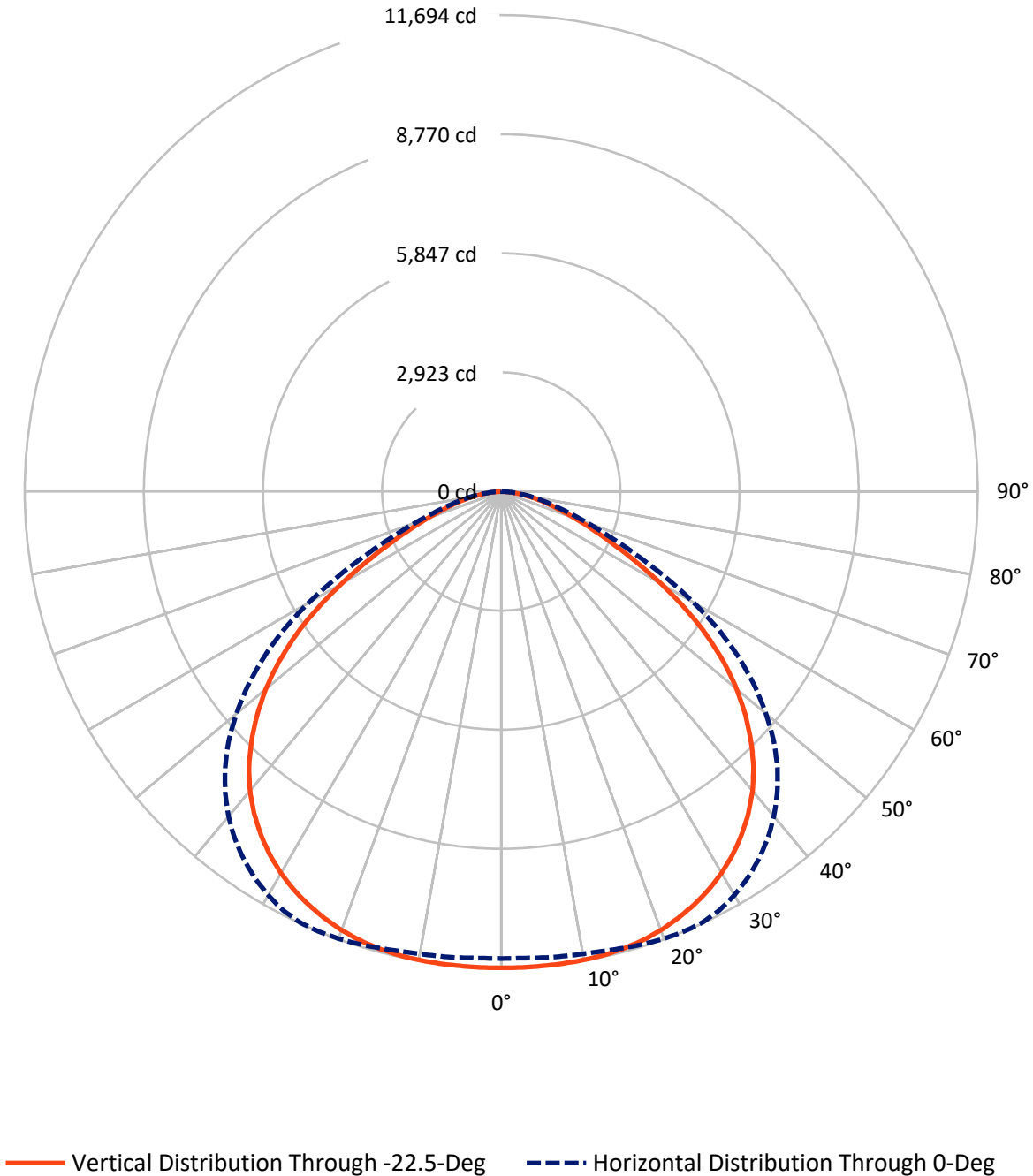
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Lumen Table



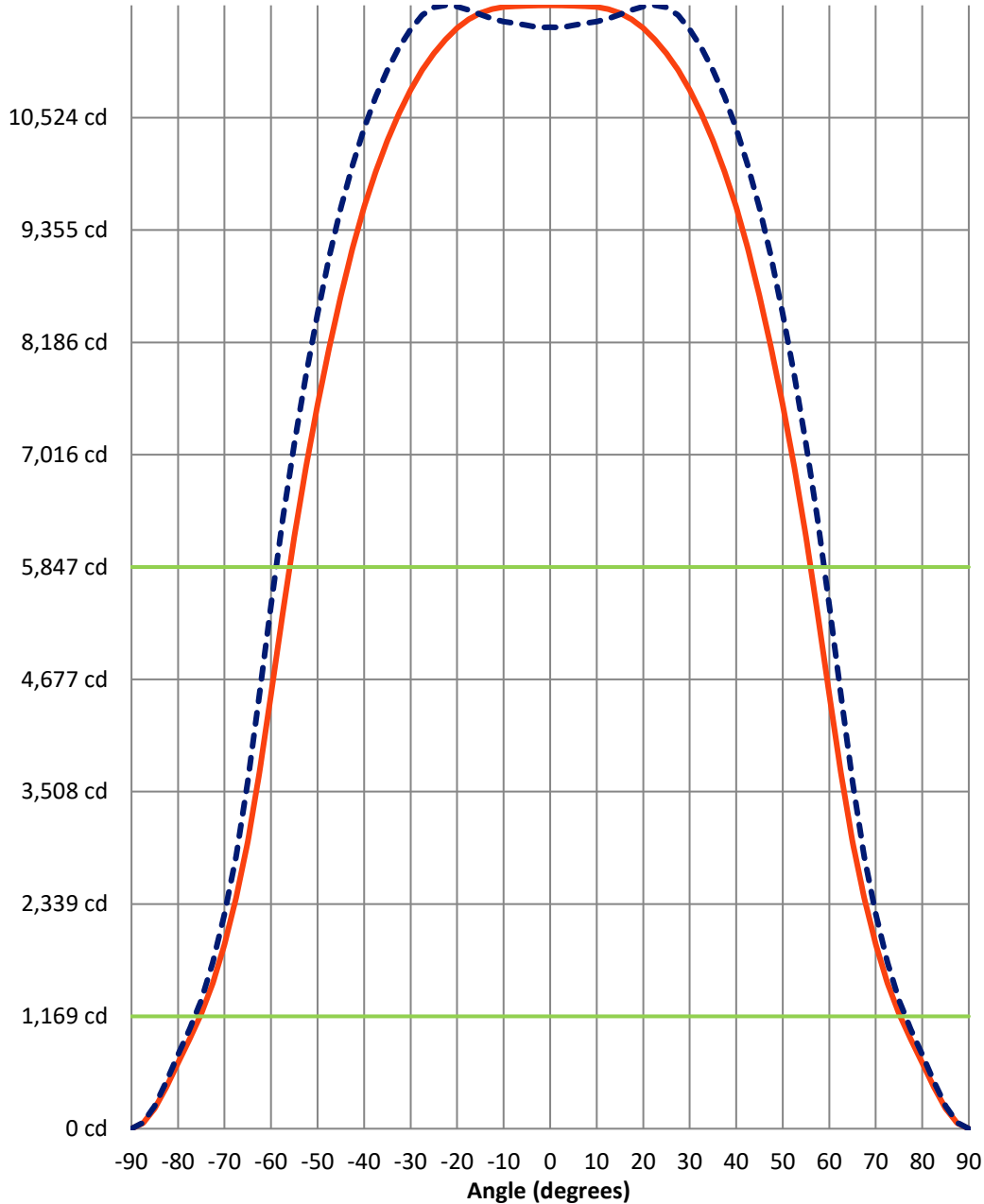
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 29769.6
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 35067.8
 Efficiency: 98.0%

Spill:
 Lumens: 703.5
 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	2.8	5.6	8.4	11.1	13.8	16.6	19.2	21.9	24.5	27.0
85°	0.0	5.6	11.1	16.7	22.2	27.7	33.1	38.4	43.7	48.9	54.0
82.5°	0.0	8.4	16.7	25.0	33.2	41.4	49.6	57.6	68.1	89.3	110.1
80°	0.0	11.1	22.2	33.2	44.2	55.1	69.3	98.3	127.0	155.2	182.9
77.5°	0.0	13.8	27.7	41.4	55.1	76.9	113.5	149.7	185.5	220.7	263.2
75°	0.0	16.6	33.1	49.6	69.3	113.5	157.3	200.7	246.0	307.3	367.7
72.5°	0.0	19.2	38.4	57.6	98.3	149.7	200.7	257.0	329.5	400.9	471.1
70°	0.0	21.9	43.7	68.1	127.0	185.5	246.0	329.5	412.0	493.6	581.8
67.5°	0.0	24.5	48.9	89.3	155.2	220.7	307.3	400.9	493.6	594.1	692.9
65°	0.0	27.0	54.0	110.1	182.9	263.2	367.7	471.1	581.8	692.9	800.9
62.5°	0.0	29.5	59.0	130.5	210.1	312.5	426.8	545.0	668.3	789.1	903.6
60°	0.0	32.0	63.9	150.4	236.7	360.9	484.8	619.3	753.1	879.9	1004.3
57.5°	0.0	34.4	76.8	169.9	273.8	408.0	546.4	691.9	832.9	968.8	1111.7
55°	0.0	36.7	89.4	188.8	310.6	453.9	607.0	762.6	910.0	1058.0	1220.9
52.5°	0.0	39.0	101.7	207.2	346.2	499.3	665.9	828.5	984.9	1153.6	1327.1
50°	0.0	41.1	113.5	225.0	380.7	546.8	723.0	892.1	1060.5	1246.4	1459.2
47.5°	0.0	43.2	124.9	244.0	414.0	592.6	777.7	953.4	1140.1	1336.2	1590.4
45°	0.0	45.2	135.9	268.0	446.0	636.7	828.2	1012.5	1216.9	1449.2	1717.0
42.5°	0.0	47.2	146.4	290.9	476.7	679.0	876.7	1073.6	1290.6	1558.4	1866.2
40°	0.0	49.0	156.4	312.8	507.4	719.3	923.0	1135.1	1368.2	1662.9	2013.6
37.5°	0.0	50.8	166.0	333.6	538.0	757.6	967.0	1193.5	1456.3	1769.7	2154.1
35°	0.0	52.4	174.9	353.3	566.9	792.8	1008.7	1248.8	1539.7	1889.1	2297.6
32.5°	0.0	54.0	183.4	371.8	594.1	825.3	1049.4	1300.9	1618.3	2001.5	2448.4
30°	0.0	55.4	191.3	389.0	619.5	855.7	1090.9	1353.3	1691.9	2106.9	2589.7
27.5°	0.0	56.8	198.6	405.0	643.1	883.9	1129.5	1412.7	1767.0	2204.9	2721.3
25°	0.0	58.0	205.3	419.8	664.8	909.9	1165.1	1467.5	1846.7	2307.0	2844.2
22.5°	0.0	59.1	211.5	433.2	684.5	933.6	1197.5	1517.4	1919.5	2405.9	2987.8
20°	0.0	60.1	217.0	445.2	702.3	954.9	1226.6	1562.5	1985.0	2495.2	3117.4
17.5°	0.0	61.0	221.9	455.9	718.1	973.8	1252.5	1602.5	2043.3	2574.5	3232.7
15°	0.0	61.8	226.1	465.3	731.8	990.3	1275.1	1637.3	2094.1	2643.8	3333.3
12.5°	0.0	62.5	229.7	473.2	743.5	1004.3	1294.3	1666.9	2137.4	2702.7	3419.0
10°	0.0	63.0	232.7	479.7	753.1	1015.8	1310.0	1691.3	2172.9	2751.1	3489.4
7.5°	0.0	63.5	235.0	484.8	760.6	1024.7	1322.3	1710.3	2200.6	2788.9	3544.5
5°	0.0	63.8	236.7	488.4	765.9	1031.2	1331.1	1723.9	2220.5	2816.0	3583.9
2.5°	0.0	63.9	237.7	490.6	769.1	1035.0	1336.4	1732.1	2232.4	2832.3	3607.6
0°	0.0	64.0	238.0	491.3	770.2	1036.3	1338.2	1734.8	2236.4	2837.7	3615.5
-2.5°	0.0	63.9	237.7	490.6	769.1	1035.0	1336.4	1732.1	2232.4	2832.3	3607.6
-5°	0.0	63.8	236.7	488.4	765.9	1031.2	1331.1	1723.9	2220.5	2816.0	3583.9
-7.5°	0.0	63.5	235.0	484.8	760.6	1024.7	1322.3	1710.3	2200.6	2788.9	3544.5
-10°	0.0	63.0	232.7	479.7	753.1	1015.8	1310.0	1691.3	2172.9	2751.1	3489.4
-12.5°	0.0	62.5	229.7	473.2	743.5	1004.3	1294.3	1666.9	2137.4	2702.7	3419.0
-15°	0.0	61.8	226.1	465.3	731.8	990.3	1275.1	1637.3	2094.1	2643.8	3333.3
-17.5°	0.0	61.0	221.9	455.9	718.1	973.8	1252.5	1602.5	2043.3	2574.5	3232.7
-20°	0.0	60.1	217.0	445.2	702.3	954.9	1226.6	1562.5	1985.0	2495.2	3117.4

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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	59.1	211.5	433.2	684.5	933.6	1197.5	1517.4	1919.5	2405.9	2987.8
-25°	0.0	58.0	205.3	419.8	664.8	909.9	1165.1	1467.5	1846.7	2307.0	2844.2
-27.5°	0.0	56.8	198.6	405.0	643.1	883.9	1129.5	1412.7	1767.0	2204.9	2721.3
-30°	0.0	55.4	191.3	389.0	619.5	855.7	1090.9	1353.3	1691.9	2106.9	2589.7
-32.5°	0.0	54.0	183.4	371.8	594.1	825.3	1049.4	1300.9	1618.3	2001.5	2448.4
-35°	0.0	52.4	174.9	353.3	566.9	792.8	1008.7	1248.8	1539.7	1889.1	2297.6
-37.5°	0.0	50.8	166.0	333.6	538.0	757.6	967.0	1193.5	1456.3	1769.7	2154.1
-40°	0.0	49.0	156.4	312.8	507.4	719.3	923.0	1135.1	1368.2	1662.9	2013.6
-42.5°	0.0	47.2	146.4	290.9	476.7	679.0	876.7	1073.6	1290.6	1558.4	1866.2
-45°	0.0	45.2	135.9	268.0	446.0	636.7	828.2	1012.5	1216.9	1449.2	1717.0
-47.5°	0.0	43.2	124.9	244.0	414.0	592.6	777.7	953.4	1140.1	1336.2	1590.4
-50°	0.0	41.1	113.5	225.0	380.7	546.8	723.0	892.1	1060.5	1246.4	1459.2
-52.5°	0.0	39.0	101.7	207.2	346.2	499.3	665.9	828.5	984.9	1153.6	1327.1
-55°	0.0	36.7	89.4	188.8	310.6	453.9	607.0	762.6	910.0	1058.0	1220.9
-57.5°	0.0	34.4	76.8	169.9	273.8	408.0	546.4	691.9	832.9	968.8	1111.7
-60°	0.0	32.0	63.9	150.4	236.7	360.9	484.8	619.3	753.1	879.9	1004.3
-62.5°	0.0	29.5	59.0	130.5	210.1	312.5	426.8	545.0	668.3	789.1	903.6
-65°	0.0	27.0	54.0	110.1	182.9	263.2	367.7	471.1	581.8	692.9	800.9
-67.5°	0.0	24.5	48.9	89.3	155.2	220.7	307.3	400.9	493.6	594.1	692.9
-70°	0.0	21.9	43.7	68.1	127.0	185.5	246.0	329.5	412.0	493.6	581.8
-72.5°	0.0	19.2	38.4	57.6	98.3	149.7	200.7	257.0	329.5	400.9	471.1
-75°	0.0	16.6	33.1	49.6	69.3	113.5	157.3	200.7	246.0	307.3	367.7
-77.5°	0.0	13.8	27.7	41.4	55.1	76.9	113.5	149.7	185.5	220.7	263.2
-80°	0.0	11.1	22.2	33.2	44.2	55.1	69.3	98.3	127.0	155.2	182.9
-82.5°	0.0	8.4	16.7	25.0	33.2	41.4	49.6	57.6	68.1	89.3	110.1
-85°	0.0	5.6	11.1	16.7	22.2	27.7	33.1	38.4	43.7	48.9	54.0
-87.5°	0.0	2.8	5.6	8.4	11.1	13.8	16.6	19.2	21.9	24.5	27.0
-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):

	-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°	29.5	32.0	34.4	36.7	39.0	41.1	43.2	45.2	47.2	49.0	50.8
85°	59.0	63.9	76.8	89.4	101.7	113.5	124.9	135.9	146.4	156.4	166.0
82.5°	130.5	150.4	169.9	188.8	207.2	225.0	244.0	268.0	290.9	312.8	333.6
80°	210.1	236.7	273.8	310.6	346.2	380.7	414.0	446.0	476.7	507.4	538.0
77.5°	312.5	360.9	408.0	453.9	499.3	546.8	592.6	636.7	679.0	719.3	757.6
75°	426.8	484.8	546.4	607.0	665.9	723.0	777.7	828.2	876.7	923.0	967.0
72.5°	545.0	619.3	691.9	762.6	828.5	892.1	953.4	1012.5	1073.6	1135.1	1193.5
70°	668.3	753.1	832.9	910.0	984.9	1060.5	1140.1	1216.9	1290.6	1368.2	1456.3
67.5°	789.1	879.9	968.8	1058.0	1153.6	1246.4	1336.2	1449.2	1558.4	1662.9	1769.7
65°	903.6	1004.3	1111.7	1220.9	1327.1	1459.2	1590.4	1717.0	1866.2	2013.6	2154.1
62.5°	1016.1	1138.8	1261.5	1395.0	1548.5	1697.7	1870.6	2047.2	2217.0	2408.4	2594.6
60°	1138.8	1275.1	1430.8	1602.5	1779.1	1985.0	2184.8	2405.9	2628.9	2844.2	3108.6
57.5°	1261.5	1430.8	1620.5	1825.0	2054.2	2285.6	2545.3	2796.6	3098.1	3399.3	3699.0
55°	1395.0	1602.5	1825.0	2077.4	2341.4	2629.6	2930.8	3281.8	3621.6	4000.2	4362.7
52.5°	1548.5	1779.1	2054.2	2341.4	2657.8	3004.4	3393.0	3795.0	4218.3	4629.4	5032.6
50°	1697.7	1985.0	2285.6	2629.6	3004.4	3430.2	3882.3	4350.4	4812.6	5263.4	5685.6
47.5°	1870.6	2184.8	2545.3	2930.8	3393.0	3882.3	4394.7	4904.9	5403.3	5865.8	6308.7
45°	2047.2	2405.9	2796.6	3281.8	3795.0	4350.4	4904.9	5450.2	5956.6	6434.5	6852.5
42.5°	2217.0	2628.9	3098.1	3621.6	4218.3	4812.6	5403.3	5956.6	6475.4	6935.6	7355.6
40°	2408.4	2844.2	3399.3	4000.2	4629.4	5263.4	5865.8	6434.5	6935.6	7393.9	7819.2
37.5°	2594.6	3108.6	3699.0	4362.7	5032.6	5685.6	6308.7	6852.5	7355.6	7819.2	8227.1
35°	2771.5	3359.8	4017.4	4714.1	5417.4	6081.3	6687.8	7241.5	7741.3	8191.1	8608.2
32.5°	2968.2	3597.4	4318.7	5051.8	5768.0	6444.1	7045.3	7586.9	8083.8	8540.5	8954.8
30°	3170.9	3853.6	4604.7	5369.7	6097.2	6758.6	7358.8	7907.2	8400.1	8851.3	9257.2
27.5°	3359.8	4095.2	4877.6	5657.4	6398.0	7053.5	7645.6	8185.5	8681.3	9135.6	9528.9
25°	3534.3	4318.7	5130.1	5920.8	6651.3	7308.3	7905.7	8445.2	8938.2	9374.1	9756.6
22.5°	3706.5	4523.4	5361.6	6162.4	6883.9	7536.0	8128.0	8669.0	9162.2	9594.0	9961.1
20°	3874.0	4714.1	5565.8	6376.7	7095.0	7742.9	8330.4	8870.3	9350.4	9768.5	10133.9
17.5°	4023.1	4884.1	5744.4	6549.8	7268.6	7919.6	8509.5	9051.2	9519.7	9926.0	10283.1
15°	4153.2	5032.6	5900.6	6701.3	7418.0	8066.4	8656.2	9192.0	9657.4	10060.3	10414.8
12.5°	4264.2	5159.2	6033.9	6830.6	7545.6	8191.9	8782.0	9310.3	9767.9	10165.5	10512.5
10°	4355.4	5263.4	6143.7	6937.3	7650.9	8295.7	8886.0	9408.3	9859.5	10253.0	10593.8
7.5°	4426.7	5344.9	6229.6	7020.7	7733.3	8377.0	8967.6	9485.2	9931.6	10321.9	10658.0
5°	4477.8	5403.3	6291.2	7080.6	7792.5	8435.4	9026.2	9540.6	9983.5	10371.6	10704.3
2.5°	4508.5	5438.5	6328.2	7116.7	7828.2	8470.5	9061.6	9573.9	10014.8	10401.6	10732.3
0°	4518.8	5450.2	6340.6	7128.7	7840.1	8482.3	9073.4	9585.1	10025.3	10411.6	10741.7
-2.5°	4508.5	5438.5	6328.2	7116.7	7828.2	8470.5	9061.6	9573.9	10014.8	10401.6	10732.3
-5°	4477.8	5403.3	6291.2	7080.6	7792.5	8435.4	9026.2	9540.6	9983.5	10371.6	10704.3
-7.5°	4426.7	5344.9	6229.6	7020.7	7733.3	8377.0	8967.6	9485.2	9931.6	10321.9	10658.0
-10°	4355.4	5263.4	6143.7	6937.3	7650.9	8295.7	8886.0	9408.3	9859.5	10253.0	10593.8
-12.5°	4264.2	5159.2	6033.9	6830.6	7545.6	8191.9	8782.0	9310.3	9767.9	10165.5	10512.5
-15°	4153.2	5032.6	5900.6	6701.3	7418.0	8066.4	8656.2	9192.0	9657.4	10060.3	10414.8
-17.5°	4023.1	4884.1	5744.4	6549.8	7268.6	7919.6	8509.5	9051.2	9519.7	9926.0	10283.1
-20°	3874.0	4714.1	5565.8	6376.7	7095.0	7742.9	8330.4	8870.3	9350.4	9768.5	10133.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-727-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°	3706.5	4523.4	5361.6	6162.4	6883.9	7536.0	8128.0	8669.0	9162.2	9594.0	9961.1
-25°	3534.3	4318.7	5130.1	5920.8	6651.3	7308.3	7905.7	8445.2	8938.2	9374.1	9756.6
-27.5°	3359.8	4095.2	4877.6	5657.4	6398.0	7053.5	7645.6	8185.5	8681.3	9135.6	9528.9
-30°	3170.9	3853.6	4604.7	5369.7	6097.2	6758.6	7358.8	7907.2	8400.1	8851.3	9257.2
-32.5°	2968.2	3597.4	4318.7	5051.8	5768.0	6444.1	7045.3	7586.9	8083.8	8540.5	8954.8
-35°	2771.5	3359.8	4017.4	4714.1	5417.4	6081.3	6687.8	7241.5	7741.3	8191.1	8608.2
-37.5°	2594.6	3108.6	3699.0	4362.7	5032.6	5685.6	6308.7	6852.5	7355.6	7819.2	8227.1
-40°	2408.4	2844.2	3399.3	4000.2	4629.4	5263.4	5865.8	6434.5	6935.6	7393.9	7819.2
-42.5°	2217.0	2628.9	3098.1	3621.6	4218.3	4812.6	5403.3	5956.6	6475.4	6935.6	7355.6
-45°	2047.2	2405.9	2796.6	3281.8	3795.0	4350.4	4904.9	5450.2	5956.6	6434.5	6852.5
-47.5°	1870.6	2184.8	2545.3	2930.8	3393.0	3882.3	4394.7	4904.9	5403.3	5865.8	6308.7
-50°	1697.7	1985.0	2285.6	2629.6	3004.4	3430.2	3882.3	4350.4	4812.6	5263.4	5685.6
-52.5°	1548.5	1779.1	2054.2	2341.4	2657.8	3004.4	3393.0	3795.0	4218.3	4629.4	5032.6
-55°	1395.0	1602.5	1825.0	2077.4	2341.4	2629.6	2930.8	3281.8	3621.6	4000.2	4362.7
-57.5°	1261.5	1430.8	1620.5	1825.0	2054.2	2285.6	2545.3	2796.6	3098.1	3399.3	3699.0
-60°	1138.8	1275.1	1430.8	1602.5	1779.1	1985.0	2184.8	2405.9	2628.9	2844.2	3108.6
-62.5°	1016.1	1138.8	1261.5	1395.0	1548.5	1697.7	1870.6	2047.2	2217.0	2408.4	2594.6
-65°	903.6	1004.3	1111.7	1220.9	1327.1	1459.2	1590.4	1717.0	1866.2	2013.6	2154.1
-67.5°	789.1	879.9	968.8	1058.0	1153.6	1246.4	1336.2	1449.2	1558.4	1662.9	1769.7
-70°	668.3	753.1	832.9	910.0	984.9	1060.5	1140.1	1216.9	1290.6	1368.2	1456.3
-72.5°	545.0	619.3	691.9	762.6	828.5	892.1	953.4	1012.5	1073.6	1135.1	1193.5
-75°	426.8	484.8	546.4	607.0	665.9	723.0	777.7	828.2	876.7	923.0	967.0
-77.5°	312.5	360.9	408.0	453.9	499.3	546.8	592.6	636.7	679.0	719.3	757.6
-80°	210.1	236.7	273.8	310.6	346.2	380.7	414.0	446.0	476.7	507.4	538.0
-82.5°	130.5	150.4	169.9	188.8	207.2	225.0	244.0	268.0	290.9	312.8	333.6
-85°	59.0	63.9	76.8	89.4	101.7	113.5	124.9	135.9	146.4	156.4	166.0
-87.5°	29.5	32.0	34.4	36.7	39.0	41.1	43.2	45.2	47.2	49.0	50.8
-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: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	52.4	54.0	55.4	56.8	58.0	59.1	60.1	61.0	61.8	62.5	63.0
85°	174.9	183.4	191.3	198.6	205.3	211.5	217.0	221.9	226.1	229.7	232.7
82.5°	353.3	371.8	389.0	405.0	419.8	433.2	445.2	455.9	465.3	473.2	479.7
80°	566.9	594.1	619.5	643.1	664.8	684.5	702.3	718.1	731.8	743.5	753.1
77.5°	792.8	825.3	855.7	883.9	909.9	933.6	954.9	973.8	990.3	1004.3	1015.8
75°	1008.7	1049.4	1090.9	1129.5	1165.1	1197.5	1226.6	1252.5	1275.1	1294.3	1310.0
72.5°	1248.8	1300.9	1353.3	1412.7	1467.5	1517.4	1562.5	1602.5	1637.3	1666.9	1691.3
70°	1539.7	1618.3	1691.9	1767.0	1846.7	1919.5	1985.0	2043.3	2094.1	2137.4	2172.9
67.5°	1889.1	2001.5	2106.9	2204.9	2307.0	2405.9	2495.2	2574.5	2643.8	2702.7	2751.1
65°	2297.6	2448.4	2589.7	2721.3	2844.2	2987.8	3117.4	3232.7	3333.3	3419.0	3489.4
62.5°	2771.5	2968.2	3170.9	3359.8	3534.3	3706.5	3874.0	4023.1	4153.2	4264.2	4355.4
60°	3359.8	3597.4	3853.6	4095.2	4318.7	4523.4	4714.1	4884.1	5032.6	5159.2	5263.4
57.5°	4017.4	4318.7	4604.7	4877.6	5130.1	5361.6	5565.8	5744.4	5900.6	6033.9	6143.7
55°	4714.1	5051.8	5369.7	5657.4	5920.8	6162.4	6376.7	6549.8	6701.3	6830.6	6937.3
52.5°	5417.4	5768.0	6097.2	6398.0	6651.3	6883.9	7095.0	7268.6	7418.0	7545.6	7650.9
50°	6081.3	6444.1	6758.6	7053.5	7308.3	7536.0	7742.9	7919.6	8066.4	8191.9	8295.7
47.5°	6687.8	7045.3	7358.8	7645.6	7905.7	8128.0	8330.4	8509.5	8656.2	8782.0	8886.0
45°	7241.5	7586.9	7907.2	8185.5	8445.2	8669.0	8870.3	9051.2	9192.0	9310.3	9408.3
42.5°	7741.3	8083.8	8400.1	8681.3	8938.2	9162.2	9350.4	9519.7	9657.4	9767.9	9859.5
40°	8191.1	8540.5	8851.3	9135.6	9374.1	9594.0	9768.5	9926.0	10060.3	10165.5	10253.0
37.5°	8608.2	8954.8	9257.2	9528.9	9756.6	9961.1	10133.9	10283.1	10414.8	10512.5	10593.8
35°	8989.5	9318.7	9618.0	9867.2	10092.8	10285.3	10455.4	10593.0	10715.5	10808.6	10882.7
32.5°	9318.7	9645.2	9923.1	10168.4	10388.6	10568.3	10731.5	10857.6	10968.7	11058.3	11127.2
30°	9618.0	9923.1	10193.8	10436.7	10637.4	10812.5	10959.4	11082.5	11185.1	11270.6	11331.1
27.5°	9867.2	10168.4	10436.7	10660.7	10852.8	11021.3	11155.7	11274.3	11363.9	11442.5	11494.6
25°	10092.8	10388.6	10637.4	10852.8	11039.2	11193.1	11321.0	11428.4	11507.8	11575.2	11613.9
22.5°	10285.3	10568.3	10812.5	11021.3	11193.1	11336.8	11457.4	11548.3	11613.4	11654.1	11677.1
20°	10455.4	10731.5	10959.4	11155.7	11321.0	11457.4	11562.1	11629.3	11674.6	11685.8	11692.4
17.5°	10593.0	10857.6	11082.5	11274.3	11428.4	11548.3	11629.3	11676.8	11690.4	11687.9	11681.2
15°	10715.5	10968.7	11185.1	11363.9	11507.8	11613.4	11674.6	11690.4	11686.4	11672.7	11651.6
12.5°	10808.6	11058.3	11270.6	11442.5	11575.2	11654.1	11685.8	11687.9	11672.7	11646.5	11616.6
10°	10882.7	11127.2	11331.1	11494.6	11613.9	11677.1	11692.4	11681.2	11651.6	11616.6	11583.3
7.5°	10941.4	11181.8	11379.3	11536.2	11639.3	11684.1	11687.5	11666.4	11630.8	11591.0	11555.1
5°	10983.8	11221.4	11414.4	11566.5	11657.9	11689.3	11683.8	11654.7	11613.5	11571.9	11539.1
2.5°	11009.5	11245.4	11435.7	11585.0	11669.3	11692.5	11681.6	11647.5	11602.6	11559.6	11528.4
0°	11018.1	11253.5	11442.8	11591.2	11673.1	11693.6	11680.8	11645.0	11598.9	11555.4	11524.7
-2.5°	11009.5	11245.4	11435.7	11585.0	11669.3	11692.5	11681.6	11647.5	11602.6	11559.6	11528.4
-5°	10983.8	11221.4	11414.4	11566.5	11657.9	11689.3	11683.8	11654.7	11613.5	11571.9	11539.1
-7.5°	10941.4	11181.8	11379.3	11536.2	11639.3	11684.1	11687.5	11666.4	11630.8	11591.0	11555.1
-10°	10882.7	11127.2	11331.1	11494.6	11613.9	11677.1	11692.4	11681.2	11651.6	11616.6	11583.3
-12.5°	10808.6	11058.3	11270.6	11442.5	11575.2	11654.1	11685.8	11687.9	11672.7	11646.5	11616.6
-15°	10715.5	10968.7	11185.1	11363.9	11507.8	11613.4	11674.6	11690.4	11686.4	11672.7	11651.6
-17.5°	10593.0	10857.6	11082.5	11274.3	11428.4	11548.3	11629.3	11676.8	11690.4	11687.9	11681.2
-20°	10455.4	10731.5	10959.4	11155.7	11321.0	11457.4	11562.1	11629.3	11674.6	11685.8	11692.4

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Scaled Data Report



REPORT NUMBER: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10285.3	10568.3	10812.5	11021.3	11193.1	11336.8	11457.4	11548.3	11613.4	11654.1	11677.1
-25°	10092.8	10388.6	10637.4	10852.8	11039.2	11193.1	11321.0	11428.4	11507.8	11575.2	11613.9
-27.5°	9867.2	10168.4	10436.7	10660.7	10852.8	11021.3	11155.7	11274.3	11363.9	11442.5	11494.6
-30°	9618.0	9923.1	10193.8	10436.7	10637.4	10812.5	10959.4	11082.5	11185.1	11270.6	11331.1
-32.5°	9318.7	9645.2	9923.1	10168.4	10388.6	10568.3	10731.5	10857.6	10968.7	11058.3	11127.2
-35°	8989.5	9318.7	9618.0	9867.2	10092.8	10285.3	10455.4	10593.0	10715.5	10808.6	10882.7
-37.5°	8608.2	8954.8	9257.2	9528.9	9756.6	9961.1	10133.9	10283.1	10414.8	10512.5	10593.8
-40°	8191.1	8540.5	8851.3	9135.6	9374.1	9594.0	9768.5	9926.0	10060.3	10165.5	10253.0
-42.5°	7741.3	8083.8	8400.1	8681.3	8938.2	9162.2	9350.4	9519.7	9657.4	9767.9	9859.5
-45°	7241.5	7586.9	7907.2	8185.5	8445.2	8669.0	8870.3	9051.2	9192.0	9310.3	9408.3
-47.5°	6687.8	7045.3	7358.8	7645.6	7905.7	8128.0	8330.4	8509.5	8656.2	8782.0	8886.0
-50°	6081.3	6444.1	6758.6	7053.5	7308.3	7536.0	7742.9	7919.6	8066.4	8191.9	8295.7
-52.5°	5417.4	5768.0	6097.2	6398.0	6651.3	6883.9	7095.0	7268.6	7418.0	7545.6	7650.9
-55°	4714.1	5051.8	5369.7	5657.4	5920.8	6162.4	6376.7	6549.8	6701.3	6830.6	6937.3
-57.5°	4017.4	4318.7	4604.7	4877.6	5130.1	5361.6	5565.8	5744.4	5900.6	6033.9	6143.7
-60°	3359.8	3597.4	3853.6	4095.2	4318.7	4523.4	4714.1	4884.1	5032.6	5159.2	5263.4
-62.5°	2771.5	2968.2	3170.9	3359.8	3534.3	3706.5	3874.0	4023.1	4153.2	4264.2	4355.4
-65°	2297.6	2448.4	2589.7	2721.3	2844.2	2987.8	3117.4	3232.7	3333.3	3419.0	3489.4
-67.5°	1889.1	2001.5	2106.9	2204.9	2307.0	2405.9	2495.2	2574.5	2643.8	2702.7	2751.1
-70°	1539.7	1618.3	1691.9	1767.0	1846.7	1919.5	1985.0	2043.3	2094.1	2137.4	2172.9
-72.5°	1248.8	1300.9	1353.3	1412.7	1467.5	1517.4	1562.5	1602.5	1637.3	1666.9	1691.3
-75°	1008.7	1049.4	1090.9	1129.5	1165.1	1197.5	1226.6	1252.5	1275.1	1294.3	1310.0
-77.5°	792.8	825.3	855.7	883.9	909.9	933.6	954.9	973.8	990.3	1004.3	1015.8
-80°	566.9	594.1	619.5	643.1	664.8	684.5	702.3	718.1	731.8	743.5	753.1
-82.5°	353.3	371.8	389.0	405.0	419.8	433.2	445.2	455.9	465.3	473.2	479.7
-85°	174.9	183.4	191.3	198.6	205.3	211.5	217.0	221.9	226.1	229.7	232.7
-87.5°	52.4	54.0	55.4	56.8	58.0	59.1	60.1	61.0	61.8	62.5	63.0
-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: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	63.5	63.8	63.9	64.0	63.9	63.8	63.5	63.0	62.5	61.8	61.0
85°	235.0	236.7	237.7	238.0	237.7	236.7	235.0	232.7	229.7	226.1	221.9
82.5°	484.8	488.4	490.6	491.3	490.6	488.4	484.8	479.7	473.2	465.3	455.9
80°	760.6	765.9	769.1	770.2	769.1	765.9	760.6	753.1	743.5	731.8	718.1
77.5°	1024.7	1031.2	1035.0	1036.3	1035.0	1031.2	1024.7	1015.8	1004.3	990.3	973.8
75°	1322.3	1331.1	1336.4	1338.2	1336.4	1331.1	1322.3	1310.0	1294.3	1275.1	1252.5
72.5°	1710.3	1723.9	1732.1	1734.8	1732.1	1723.9	1710.3	1691.3	1666.9	1637.3	1602.5
70°	2200.6	2220.5	2232.4	2236.4	2232.4	2220.5	2200.6	2172.9	2137.4	2094.1	2043.3
67.5°	2788.9	2816.0	2832.3	2837.7	2832.3	2816.0	2788.9	2751.1	2702.7	2643.8	2574.5
65°	3544.5	3583.9	3607.6	3615.5	3607.6	3583.9	3544.5	3489.4	3419.0	3333.3	3232.7
62.5°	4426.7	4477.8	4508.5	4518.8	4508.5	4477.8	4426.7	4355.4	4264.2	4153.2	4023.1
60°	5344.9	5403.3	5438.5	5450.2	5438.5	5403.3	5344.9	5263.4	5159.2	5032.6	4884.1
57.5°	6229.6	6291.2	6328.2	6340.6	6328.2	6291.2	6229.6	6143.7	6033.9	5900.6	5744.4
55°	7020.7	7080.6	7116.7	7128.7	7116.7	7080.6	7020.7	6937.3	6830.6	6701.3	6549.8
52.5°	7733.3	7792.5	7828.2	7840.1	7828.2	7792.5	7733.3	7650.9	7545.6	7418.0	7268.6
50°	8377.0	8435.4	8470.5	8482.3	8470.5	8435.4	8377.0	8295.7	8191.9	8066.4	7919.6
47.5°	8967.6	9026.2	9061.6	9073.4	9061.6	9026.2	8967.6	8886.0	8782.0	8656.2	8509.5
45°	9485.2	9540.6	9573.9	9585.1	9573.9	9540.6	9485.2	9408.3	9310.3	9192.0	9051.2
42.5°	9931.6	9983.5	10014.8	10025.3	10014.8	9983.5	9931.6	9859.5	9767.9	9657.4	9519.7
40°	10321.9	10371.6	10401.6	10411.6	10401.6	10371.6	10321.9	10253.0	10165.5	10060.3	9926.0
37.5°	10658.0	10704.3	10732.3	10741.7	10732.3	10704.3	10658.0	10593.8	10512.5	10414.8	10283.1
35°	10941.4	10983.8	11009.5	11018.1	11009.5	10983.8	10941.4	10882.7	10808.6	10715.5	10593.0
32.5°	11181.8	11221.4	11245.4	11253.5	11245.4	11221.4	11181.8	11127.2	11058.3	10968.7	10857.6
30°	11379.3	11414.4	11435.7	11442.8	11435.7	11414.4	11379.3	11331.1	11270.6	11185.1	11082.5
27.5°	11536.2	11566.5	11585.0	11591.2	11585.0	11566.5	11536.2	11494.6	11442.5	11363.9	11274.3
25°	11639.3	11657.9	11669.3	11673.1	11669.3	11657.9	11639.3	11613.9	11575.2	11507.8	11428.4
22.5°	11684.1	11689.3	11692.5	11693.6	11692.5	11689.3	11684.1	11677.1	11654.1	11613.4	11548.3
20°	11687.5	11683.8	11681.6	11680.8	11681.6	11683.8	11687.5	11692.4	11685.8	11674.6	11629.3
17.5°	11666.4	11654.7	11647.5	11645.0	11647.5	11654.7	11666.4	11681.2	11687.9	11690.4	11676.8
15°	11630.8	11613.5	11602.6	11598.9	11602.6	11613.5	11630.8	11651.6	11672.7	11686.4	11690.4
12.5°	11591.0	11571.9	11559.6	11555.4	11559.6	11571.9	11591.0	11616.6	11646.5	11672.7	11687.9
10°	11555.1	11539.1	11528.4	11524.7	11528.4	11539.1	11555.1	11583.3	11616.6	11651.6	11681.2
7.5°	11532.0	11517.6	11509.7	11506.8	11509.7	11517.6	11532.0	11555.1	11591.0	11630.8	11666.4
5°	11517.6	11503.2	11491.1	11486.3	11491.1	11503.2	11517.6	11539.1	11571.9	11613.5	11654.7
2.5°	11509.7	11491.1	11472.8	11463.3	11472.8	11491.1	11509.7	11528.4	11559.6	11602.6	11647.5
0°	11506.8	11486.3	11463.3	11465.8	11463.3	11486.3	11506.8	11524.7	11555.4	11598.9	11645.0
-2.5°	11509.7	11491.1	11472.8	11463.3	11472.8	11491.1	11509.7	11528.4	11559.6	11602.6	11647.5
-5°	11517.6	11503.2	11491.1	11486.3	11491.1	11503.2	11517.6	11539.1	11571.9	11613.5	11654.7
-7.5°	11532.0	11517.6	11509.7	11506.8	11509.7	11517.6	11532.0	11555.1	11591.0	11630.8	11666.4
-10°	11555.1	11539.1	11528.4	11524.7	11528.4	11539.1	11555.1	11583.3	11616.6	11651.6	11681.2
-12.5°	11591.0	11571.9	11559.6	11555.4	11559.6	11571.9	11591.0	11616.6	11646.5	11672.7	11687.9
-15°	11630.8	11613.5	11602.6	11598.9	11602.6	11613.5	11630.8	11651.6	11672.7	11686.4	11690.4
-17.5°	11666.4	11654.7	11647.5	11645.0	11647.5	11654.7	11666.4	11681.2	11687.9	11690.4	11676.8
-20°	11687.5	11683.8	11681.6	11680.8	11681.6	11683.8	11687.5	11692.4	11685.8	11674.6	11629.3



REPORT NUMBER: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11684.1	11689.3	11692.5	11693.6	11692.5	11689.3	11684.1	11677.1	11654.1	11613.4	11548.3
-25°	11639.3	11657.9	11669.3	11673.1	11669.3	11657.9	11639.3	11613.9	11575.2	11507.8	11428.4
-27.5°	11536.2	11566.5	11585.0	11591.2	11585.0	11566.5	11536.2	11494.6	11442.5	11363.9	11274.3
-30°	11379.3	11414.4	11435.7	11442.8	11435.7	11414.4	11379.3	11331.1	11270.6	11185.1	11082.5
-32.5°	11181.8	11221.4	11245.4	11253.5	11245.4	11221.4	11181.8	11127.2	11058.3	10968.7	10857.6
-35°	10941.4	10983.8	11009.5	11018.1	11009.5	10983.8	10941.4	10882.7	10808.6	10715.5	10593.0
-37.5°	10658.0	10704.3	10732.3	10741.7	10732.3	10704.3	10658.0	10593.8	10512.5	10414.8	10283.1
-40°	10321.9	10371.6	10401.6	10411.6	10401.6	10371.6	10321.9	10253.0	10165.5	10060.3	9926.0
-42.5°	9931.6	9983.5	10014.8	10025.3	10014.8	9983.5	9931.6	9859.5	9767.9	9657.4	9519.7
-45°	9485.2	9540.6	9573.9	9585.1	9573.9	9540.6	9485.2	9408.3	9310.3	9192.0	9051.2
-47.5°	8967.6	9026.2	9061.6	9073.4	9061.6	9026.2	8967.6	8886.0	8782.0	8656.2	8509.5
-50°	8377.0	8435.4	8470.5	8482.3	8470.5	8435.4	8377.0	8295.7	8191.9	8066.4	7919.6
-52.5°	7733.3	7792.5	7828.2	7840.1	7828.2	7792.5	7733.3	7650.9	7545.6	7418.0	7268.6
-55°	7020.7	7080.6	7116.7	7128.7	7116.7	7080.6	7020.7	6937.3	6830.6	6701.3	6549.8
-57.5°	6229.6	6291.2	6328.2	6340.6	6328.2	6291.2	6229.6	6143.7	6033.9	5900.6	5744.4
-60°	5344.9	5403.3	5438.5	5450.2	5438.5	5403.3	5344.9	5263.4	5159.2	5032.6	4884.1
-62.5°	4426.7	4477.8	4508.5	4518.8	4508.5	4477.8	4426.7	4355.4	4264.2	4153.2	4023.1
-65°	3544.5	3583.9	3607.6	3615.5	3607.6	3583.9	3544.5	3489.4	3419.0	3333.3	3232.7
-67.5°	2788.9	2816.0	2832.3	2837.7	2832.3	2816.0	2788.9	2751.1	2702.7	2643.8	2574.5
-70°	2200.6	2220.5	2232.4	2236.4	2232.4	2220.5	2200.6	2172.9	2137.4	2094.1	2043.3
-72.5°	1710.3	1723.9	1732.1	1734.8	1732.1	1723.9	1710.3	1691.3	1666.9	1637.3	1602.5
-75°	1322.3	1331.1	1336.4	1338.2	1336.4	1331.1	1322.3	1310.0	1294.3	1275.1	1252.5
-77.5°	1024.7	1031.2	1035.0	1036.3	1035.0	1031.2	1024.7	1015.8	1004.3	990.3	973.8
-80°	760.6	765.9	769.1	770.2	769.1	765.9	760.6	753.1	743.5	731.8	718.1
-82.5°	484.8	488.4	490.6	491.3	490.6	488.4	484.8	479.7	473.2	465.3	455.9
-85°	235.0	236.7	237.7	238.0	237.7	236.7	235.0	232.7	229.7	226.1	221.9
-87.5°	63.5	63.8	63.9	64.0	63.9	63.8	63.5	63.0	62.5	61.8	61.0
-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: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	60.1	59.1	58.0	56.8	55.4	54.0	52.4	50.8	49.0	47.2	45.2
85°	217.0	211.5	205.3	198.6	191.3	183.4	174.9	166.0	156.4	146.4	135.9
82.5°	445.2	433.2	419.8	405.0	389.0	371.8	353.3	333.6	312.8	290.9	268.0
80°	702.3	684.5	664.8	643.1	619.5	594.1	566.9	538.0	507.4	476.7	446.0
77.5°	954.9	933.6	909.9	883.9	855.7	825.3	792.8	757.6	719.3	679.0	636.7
75°	1226.6	1197.5	1165.1	1129.5	1090.9	1049.4	1008.7	967.0	923.0	876.7	828.2
72.5°	1562.5	1517.4	1467.5	1412.7	1353.3	1300.9	1248.8	1193.5	1135.1	1073.6	1012.5
70°	1985.0	1919.5	1846.7	1767.0	1691.9	1618.3	1539.7	1456.3	1368.2	1290.6	1216.9
67.5°	2495.2	2405.9	2307.0	2204.9	2106.9	2001.5	1889.1	1769.7	1662.9	1558.4	1449.2
65°	3117.4	2987.8	2844.2	2721.3	2589.7	2448.4	2297.6	2154.1	2013.6	1866.2	1717.0
62.5°	3874.0	3706.5	3534.3	3359.8	3170.9	2968.2	2771.5	2594.6	2408.4	2217.0	2047.2
60°	4714.1	4523.4	4318.7	4095.2	3853.6	3597.4	3359.8	3108.6	2844.2	2628.9	2405.9
57.5°	5565.8	5361.6	5130.1	4877.6	4604.7	4318.7	4017.4	3699.0	3399.3	3098.1	2796.6
55°	6376.7	6162.4	5920.8	5657.4	5369.7	5051.8	4714.1	4362.7	4000.2	3621.6	3281.8
52.5°	7095.0	6883.9	6651.3	6398.0	6097.2	5768.0	5417.4	5032.6	4629.4	4218.3	3795.0
50°	7742.9	7536.0	7308.3	7053.5	6758.6	6444.1	6081.3	5685.6	5263.4	4812.6	4350.4
47.5°	8330.4	8128.0	7905.7	7645.6	7358.8	7045.3	6687.8	6308.7	5865.8	5403.3	4904.9
45°	8870.3	8669.0	8445.2	8185.5	7907.2	7586.9	7241.5	6852.5	6434.5	5956.6	5450.2
42.5°	9350.4	9162.2	8938.2	8681.3	8400.1	8083.8	7741.3	7355.6	6935.6	6475.4	5956.6
40°	9768.5	9594.0	9374.1	9135.6	8851.3	8540.5	8191.1	7819.2	7393.9	6935.6	6434.5
37.5°	10133.9	9961.1	9756.6	9528.9	9257.2	8954.8	8608.2	8227.1	7819.2	7355.6	6852.5
35°	10455.4	10285.3	10092.8	9867.2	9618.0	9318.7	8989.5	8608.2	8191.1	7741.3	7241.5
32.5°	10731.5	10568.3	10388.6	10168.4	9923.1	9645.2	9318.7	8954.8	8540.5	8083.8	7586.9
30°	10959.4	10812.5	10637.4	10436.7	10193.8	9923.1	9618.0	9257.2	8851.3	8400.1	7907.2
27.5°	11155.7	11021.3	10852.8	10660.7	10436.7	10168.4	9867.2	9528.9	9135.6	8681.3	8185.5
25°	11321.0	11193.1	11039.2	10852.8	10637.4	10388.6	10092.8	9756.6	9374.1	8938.2	8445.2
22.5°	11457.4	11336.8	11193.1	11021.3	10812.5	10568.3	10285.3	9961.1	9594.0	9162.2	8669.0
20°	11562.1	11457.4	11321.0	11155.7	10959.4	10731.5	10455.4	10133.9	9768.5	9350.4	8870.3
17.5°	11629.3	11548.3	11428.4	11274.3	11082.5	10857.6	10593.0	10283.1	9926.0	9519.7	9051.2
15°	11674.6	11613.4	11507.8	11363.9	11185.1	10968.7	10715.5	10414.8	10060.3	9657.4	9192.0
12.5°	11685.8	11654.1	11575.2	11442.5	11270.6	11058.3	10808.6	10512.5	10165.5	9767.9	9310.3
10°	11692.4	11677.1	11613.9	11494.6	11331.1	11127.2	10882.7	10593.8	10253.0	9859.5	9408.3
7.5°	11687.5	11684.1	11639.3	11536.2	11379.3	11181.8	10941.4	10658.0	10321.9	9931.6	9485.2
5°	11683.8	11689.3	11657.9	11566.5	11414.4	11221.4	10983.8	10704.3	10371.6	9983.5	9540.6
2.5°	11681.6	11692.5	11669.3	11585.0	11435.7	11245.4	11009.5	10732.3	10401.6	10014.8	9573.9
0°	11680.8	11693.6	11673.1	11591.2	11442.8	11253.5	11018.1	10741.7	10411.6	10025.3	9585.1
-2.5°	11681.6	11692.5	11669.3	11585.0	11435.7	11245.4	11009.5	10732.3	10401.6	10014.8	9573.9
-5°	11683.8	11689.3	11657.9	11566.5	11414.4	11221.4	10983.8	10704.3	10371.6	9983.5	9540.6
-7.5°	11687.5	11684.1	11639.3	11536.2	11379.3	11181.8	10941.4	10658.0	10321.9	9931.6	9485.2
-10°	11692.4	11677.1	11613.9	11494.6	11331.1	11127.2	10882.7	10593.8	10253.0	9859.5	9408.3
-12.5°	11685.8	11654.1	11575.2	11442.5	11270.6	11058.3	10808.6	10512.5	10165.5	9767.9	9310.3
-15°	11674.6	11613.4	11507.8	11363.9	11185.1	10968.7	10715.5	10414.8	10060.3	9657.4	9192.0
-17.5°	11629.3	11548.3	11428.4	11274.3	11082.5	10857.6	10593.0	10283.1	9926.0	9519.7	9051.2
-20°	11562.1	11457.4	11321.0	11155.7	10959.4	10731.5	10455.4	10133.9	9768.5	9350.4	8870.3



REPORT NUMBER: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11457.4	11336.8	11193.1	11021.3	10812.5	10568.3	10285.3	9961.1	9594.0	9162.2	8669.0
-25°	11321.0	11193.1	11039.2	10852.8	10637.4	10388.6	10092.8	9756.6	9374.1	8938.2	8445.2
-27.5°	11155.7	11021.3	10852.8	10660.7	10436.7	10168.4	9867.2	9528.9	9135.6	8681.3	8185.5
-30°	10959.4	10812.5	10637.4	10436.7	10193.8	9923.1	9618.0	9257.2	8851.3	8400.1	7907.2
-32.5°	10731.5	10568.3	10388.6	10168.4	9923.1	9645.2	9318.7	8954.8	8540.5	8083.8	7586.9
-35°	10455.4	10285.3	10092.8	9867.2	9618.0	9318.7	8989.5	8608.2	8191.1	7741.3	7241.5
-37.5°	10133.9	9961.1	9756.6	9528.9	9257.2	8954.8	8608.2	8227.1	7819.2	7355.6	6852.5
-40°	9768.5	9594.0	9374.1	9135.6	8851.3	8540.5	8191.1	7819.2	7393.9	6935.6	6434.5
-42.5°	9350.4	9162.2	8938.2	8681.3	8400.1	8083.8	7741.3	7355.6	6935.6	6475.4	5956.6
-45°	8870.3	8669.0	8445.2	8185.5	7907.2	7586.9	7241.5	6852.5	6434.5	5956.6	5450.2
-47.5°	8330.4	8128.0	7905.7	7645.6	7358.8	7045.3	6687.8	6308.7	5865.8	5403.3	4904.9
-50°	7742.9	7536.0	7308.3	7053.5	6758.6	6444.1	6081.3	5685.6	5263.4	4812.6	4350.4
-52.5°	7095.0	6883.9	6651.3	6398.0	6097.2	5768.0	5417.4	5032.6	4629.4	4218.3	3795.0
-55°	6376.7	6162.4	5920.8	5657.4	5369.7	5051.8	4714.1	4362.7	4000.2	3621.6	3281.8
-57.5°	5565.8	5361.6	5130.1	4877.6	4604.7	4318.7	4017.4	3699.0	3399.3	3098.1	2796.6
-60°	4714.1	4523.4	4318.7	4095.2	3853.6	3597.4	3359.8	3108.6	2844.2	2628.9	2405.9
-62.5°	3874.0	3706.5	3534.3	3359.8	3170.9	2968.2	2771.5	2594.6	2408.4	2217.0	2047.2
-65°	3117.4	2987.8	2844.2	2721.3	2589.7	2448.4	2297.6	2154.1	2013.6	1866.2	1717.0
-67.5°	2495.2	2405.9	2307.0	2204.9	2106.9	2001.5	1889.1	1769.7	1662.9	1558.4	1449.2
-70°	1985.0	1919.5	1846.7	1767.0	1691.9	1618.3	1539.7	1456.3	1368.2	1290.6	1216.9
-72.5°	1562.5	1517.4	1467.5	1412.7	1353.3	1300.9	1248.8	1193.5	1135.1	1073.6	1012.5
-75°	1226.6	1197.5	1165.1	1129.5	1090.9	1049.4	1008.7	967.0	923.0	876.7	828.2
-77.5°	954.9	933.6	909.9	883.9	855.7	825.3	792.8	757.6	719.3	679.0	636.7
-80°	702.3	684.5	664.8	643.1	619.5	594.1	566.9	538.0	507.4	476.7	446.0
-82.5°	445.2	433.2	419.8	405.0	389.0	371.8	353.3	333.6	312.8	290.9	268.0
-85°	217.0	211.5	205.3	198.6	191.3	183.4	174.9	166.0	156.4	146.4	135.9
-87.5°	60.1	59.1	58.0	56.8	55.4	54.0	52.4	50.8	49.0	47.2	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: P645538 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-727-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°	43.2	41.1	39.0	36.7	34.4	32.0	29.5	27.0	24.5	21.9	19.2
85°	124.9	113.5	101.7	89.4	76.8	63.9	59.0	54.0	48.9	43.7	38.4
82.5°	244.0	225.0	207.2	188.8	169.9	150.4	130.5	110.1	89.3	68.1	57.6
80°	414.0	380.7	346.2	310.6	273.8	236.7	210.1	182.9	155.2	127.0	98.3
77.5°	592.6	546.8	499.3	453.9	408.0	360.9	312.5	263.2	220.7	185.5	149.7
75°	777.7	723.0	665.9	607.0	546.4	484.8	426.8	367.7	307.3	246.0	200.7
72.5°	953.4	892.1	828.5	762.6	691.9	619.3	545.0	471.1	400.9	329.5	257.0
70°	1140.1	1060.5	984.9	910.0	832.9	753.1	668.3	581.8	493.6	412.0	329.5
67.5°	1336.2	1246.4	1153.6	1058.0	968.8	879.9	789.1	692.9	594.1	493.6	400.9
65°	1590.4	1459.2	1327.1	1220.9	1111.7	1004.3	903.6	800.9	692.9	581.8	471.1
62.5°	1870.6	1697.7	1548.5	1395.0	1261.5	1138.8	1016.1	903.6	789.1	668.3	545.0
60°	2184.8	1985.0	1779.1	1602.5	1430.8	1275.1	1138.8	1004.3	879.9	753.1	619.3
57.5°	2545.3	2285.6	2054.2	1825.0	1620.5	1430.8	1261.5	1111.7	968.8	832.9	691.9
55°	2930.8	2629.6	2341.4	2077.4	1825.0	1602.5	1395.0	1220.9	1058.0	910.0	762.6
52.5°	3393.0	3004.4	2657.8	2341.4	2054.2	1779.1	1548.5	1327.1	1153.6	984.9	828.5
50°	3882.3	3430.2	3004.4	2629.6	2285.6	1985.0	1697.7	1459.2	1246.4	1060.5	892.1
47.5°	4394.7	3882.3	3393.0	2930.8	2545.3	2184.8	1870.6	1590.4	1336.2	1140.1	953.4
45°	4904.9	4350.4	3795.0	3281.8	2796.6	2405.9	2047.2	1717.0	1449.2	1216.9	1012.5
42.5°	5403.3	4812.6	4218.3	3621.6	3098.1	2628.9	2217.0	1866.2	1558.4	1290.6	1073.6
40°	5865.8	5263.4	4629.4	4000.2	3399.3	2844.2	2408.4	2013.6	1662.9	1368.2	1135.1
37.5°	6308.7	5685.6	5032.6	4362.7	3699.0	3108.6	2594.6	2154.1	1769.7	1456.3	1193.5
35°	6687.8	6081.3	5417.4	4714.1	4017.4	3359.8	2771.5	2297.6	1889.1	1539.7	1248.8
32.5°	7045.3	6444.1	5768.0	5051.8	4318.7	3597.4	2968.2	2448.4	2001.5	1618.3	1300.9
30°	7358.8	6758.6	6097.2	5369.7	4604.7	3853.6	3170.9	2589.7	2106.9	1691.9	1353.3
27.5°	7645.6	7053.5	6398.0	5657.4	4877.6	4095.2	3359.8	2721.3	2204.9	1767.0	1412.7
25°	7905.7	7308.3	6651.3	5920.8	5130.1	4318.7	3534.3	2844.2	2307.0	1846.7	1467.5
22.5°	8128.0	7536.0	6883.9	6162.4	5361.6	4523.4	3706.5	2987.8	2405.9	1919.5	1517.4
20°	8330.4	7742.9	7095.0	6376.7	5565.8	4714.1	3874.0	3117.4	2495.2	1985.0	1562.5
17.5°	8509.5	7919.6	7268.6	6549.8	5744.4	4884.1	4023.1	3232.7	2574.5	2043.3	1602.5
15°	8656.2	8066.4	7418.0	6701.3	5900.6	5032.6	4153.2	3333.3	2643.8	2094.1	1637.3
12.5°	8782.0	8191.9	7545.6	6830.6	6033.9	5159.2	4264.2	3419.0	2702.7	2137.4	1666.9
10°	8886.0	8295.7	7650.9	6937.3	6143.7	5263.4	4355.4	3489.4	2751.1	2172.9	1691.3
7.5°	8967.6	8377.0	7733.3	7020.7	6229.6	5344.9	4426.7	3544.5	2788.9	2200.6	1710.3
5°	9026.2	8435.4	7792.5	7080.6	6291.2	5403.3	4477.8	3583.9	2816.0	2220.5	1723.9
2.5°	9061.6	8470.5	7828.2	7116.7	6328.2	5438.5	4508.5	3607.6	2832.3	2232.4	1732.1
0°	9073.4	8482.3	7840.1	7128.7	6340.6	5450.2	4518.8	3615.5	2837.7	2236.4	1734.8
-2.5°	9061.6	8470.5	7828.2	7116.7	6328.2	5438.5	4508.5	3607.6	2832.3	2232.4	1732.1
-5°	9026.2	8435.4	7792.5	7080.6	6291.2	5403.3	4477.8	3583.9	2816.0	2220.5	1723.9
-7.5°	8967.6	8377.0	7733.3	7020.7	6229.6	5344.9	4426.7	3544.5	2788.9	2200.6	1710.3
-10°	8886.0	8295.7	7650.9	6937.3	6143.7	5263.4	4355.4	3489.4	2751.1	2172.9	1691.3
-12.5°	8782.0	8191.9	7545.6	6830.6	6033.9	5159.2	4264.2	3419.0	2702.7	2137.4	1666.9
-15°	8656.2	8066.4	7418.0	6701.3	5900.6	5032.6	4153.2	3333.3	2643.8	2094.1	1637.3
-17.5°	8509.5	7919.6	7268.6	6549.8	5744.4	4884.1	4023.1	3232.7	2574.5	2043.3	1602.5
-20°	8330.4	7742.9	7095.0	6376.7	5565.8	4714.1	3874.0	3117.4	2495.2	1985.0	1562.5



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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°	8128.0	7536.0	6883.9	6162.4	5361.6	4523.4	3706.5	2987.8	2405.9	1919.5	1517.4
-25°	7905.7	7308.3	6651.3	5920.8	5130.1	4318.7	3534.3	2844.2	2307.0	1846.7	1467.5
-27.5°	7645.6	7053.5	6398.0	5657.4	4877.6	4095.2	3359.8	2721.3	2204.9	1767.0	1412.7
-30°	7358.8	6758.6	6097.2	5369.7	4604.7	3853.6	3170.9	2589.7	2106.9	1691.9	1353.3
-32.5°	7045.3	6444.1	5768.0	5051.8	4318.7	3597.4	2968.2	2448.4	2001.5	1618.3	1300.9
-35°	6687.8	6081.3	5417.4	4714.1	4017.4	3359.8	2771.5	2297.6	1889.1	1539.7	1248.8
-37.5°	6308.7	5685.6	5032.6	4362.7	3699.0	3108.6	2594.6	2154.1	1769.7	1456.3	1193.5
-40°	5865.8	5263.4	4629.4	4000.2	3399.3	2844.2	2408.4	2013.6	1662.9	1368.2	1135.1
-42.5°	5403.3	4812.6	4218.3	3621.6	3098.1	2628.9	2217.0	1866.2	1558.4	1290.6	1073.6
-45°	4904.9	4350.4	3795.0	3281.8	2796.6	2405.9	2047.2	1717.0	1449.2	1216.9	1012.5
-47.5°	4394.7	3882.3	3393.0	2930.8	2545.3	2184.8	1870.6	1590.4	1336.2	1140.1	953.4
-50°	3882.3	3430.2	3004.4	2629.6	2285.6	1985.0	1697.7	1459.2	1246.4	1060.5	892.1
-52.5°	3393.0	3004.4	2657.8	2341.4	2054.2	1779.1	1548.5	1327.1	1153.6	984.9	828.5
-55°	2930.8	2629.6	2341.4	2077.4	1825.0	1602.5	1395.0	1220.9	1058.0	910.0	762.6
-57.5°	2545.3	2285.6	2054.2	1825.0	1620.5	1430.8	1261.5	1111.7	968.8	832.9	691.9
-60°	2184.8	1985.0	1779.1	1602.5	1430.8	1275.1	1138.8	1004.3	879.9	753.1	619.3
-62.5°	1870.6	1697.7	1548.5	1395.0	1261.5	1138.8	1016.1	903.6	789.1	668.3	545.0
-65°	1590.4	1459.2	1327.1	1220.9	1111.7	1004.3	903.6	800.9	692.9	581.8	471.1
-67.5°	1336.2	1246.4	1153.6	1058.0	968.8	879.9	789.1	692.9	594.1	493.6	400.9
-70°	1140.1	1060.5	984.9	910.0	832.9	753.1	668.3	581.8	493.6	412.0	329.5
-72.5°	953.4	892.1	828.5	762.6	691.9	619.3	545.0	471.1	400.9	329.5	257.0
-75°	777.7	723.0	665.9	607.0	546.4	484.8	426.8	367.7	307.3	246.0	200.7
-77.5°	592.6	546.8	499.3	453.9	408.0	360.9	312.5	263.2	220.7	185.5	149.7
-80°	414.0	380.7	346.2	310.6	273.8	236.7	210.1	182.9	155.2	127.0	98.3
-82.5°	244.0	225.0	207.2	188.8	169.9	150.4	130.5	110.1	89.3	68.1	57.6
-85°	124.9	113.5	101.7	89.4	76.8	63.9	59.0	54.0	48.9	43.7	38.4
-87.5°	43.2	41.1	39.0	36.7	34.4	32.0	29.5	27.0	24.5	21.9	19.2
-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°	16.6	13.8	11.1	8.4	5.6	2.8	0.0
85°	33.1	27.7	22.2	16.7	11.1	5.6	0.0
82.5°	49.6	41.4	33.2	25.0	16.7	8.4	0.0
80°	69.3	55.1	44.2	33.2	22.2	11.1	0.0
77.5°	113.5	76.9	55.1	41.4	27.7	13.8	0.0
75°	157.3	113.5	69.3	49.6	33.1	16.6	0.0
72.5°	200.7	149.7	98.3	57.6	38.4	19.2	0.0
70°	246.0	185.5	127.0	68.1	43.7	21.9	0.0
67.5°	307.3	220.7	155.2	89.3	48.9	24.5	0.0
65°	367.7	263.2	182.9	110.1	54.0	27.0	0.0
62.5°	426.8	312.5	210.1	130.5	59.0	29.5	0.0
60°	484.8	360.9	236.7	150.4	63.9	32.0	0.0
57.5°	546.4	408.0	273.8	169.9	76.8	34.4	0.0
55°	607.0	453.9	310.6	188.8	89.4	36.7	0.0
52.5°	665.9	499.3	346.2	207.2	101.7	39.0	0.0
50°	723.0	546.8	380.7	225.0	113.5	41.1	0.0
47.5°	777.7	592.6	414.0	244.0	124.9	43.2	0.0
45°	828.2	636.7	446.0	268.0	135.9	45.2	0.0
42.5°	876.7	679.0	476.7	290.9	146.4	47.2	0.0
40°	923.0	719.3	507.4	312.8	156.4	49.0	0.0
37.5°	967.0	757.6	538.0	333.6	166.0	50.8	0.0
35°	1008.7	792.8	566.9	353.3	174.9	52.4	0.0
32.5°	1049.4	825.3	594.1	371.8	183.4	54.0	0.0
30°	1090.9	855.7	619.5	389.0	191.3	55.4	0.0
27.5°	1129.5	883.9	643.1	405.0	198.6	56.8	0.0
25°	1165.1	909.9	664.8	419.8	205.3	58.0	0.0
22.5°	1197.5	933.6	684.5	433.2	211.5	59.1	0.0
20°	1226.6	954.9	702.3	445.2	217.0	60.1	0.0
17.5°	1252.5	973.8	718.1	455.9	221.9	61.0	0.0
15°	1275.1	990.3	731.8	465.3	226.1	61.8	0.0
12.5°	1294.3	1004.3	743.5	473.2	229.7	62.5	0.0
10°	1310.0	1015.8	753.1	479.7	232.7	63.0	0.0
7.5°	1322.3	1024.7	760.6	484.8	235.0	63.5	0.0
5°	1331.1	1031.2	765.9	488.4	236.7	63.8	0.0
2.5°	1336.4	1035.0	769.1	490.6	237.7	63.9	0.0
0°	1338.2	1036.3	770.2	491.3	238.0	64.0	0.0
-2.5°	1336.4	1035.0	769.1	490.6	237.7	63.9	0.0
-5°	1331.1	1031.2	765.9	488.4	236.7	63.8	0.0
-7.5°	1322.3	1024.7	760.6	484.8	235.0	63.5	0.0
-10°	1310.0	1015.8	753.1	479.7	232.7	63.0	0.0
-12.5°	1294.3	1004.3	743.5	473.2	229.7	62.5	0.0
-15°	1275.1	990.3	731.8	465.3	226.1	61.8	0.0
-17.5°	1252.5	973.8	718.1	455.9	221.9	61.0	0.0
-20°	1226.6	954.9	702.3	445.2	217.0	60.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1197.5	933.6	684.5	433.2	211.5	59.1	0.0
-25°	1165.1	909.9	664.8	419.8	205.3	58.0	0.0
-27.5°	1129.5	883.9	643.1	405.0	198.6	56.8	0.0
-30°	1090.9	855.7	619.5	389.0	191.3	55.4	0.0
-32.5°	1049.4	825.3	594.1	371.8	183.4	54.0	0.0
-35°	1008.7	792.8	566.9	353.3	174.9	52.4	0.0
-37.5°	967.0	757.6	538.0	333.6	166.0	50.8	0.0
-40°	923.0	719.3	507.4	312.8	156.4	49.0	0.0
-42.5°	876.7	679.0	476.7	290.9	146.4	47.2	0.0
-45°	828.2	636.7	446.0	268.0	135.9	45.2	0.0
-47.5°	777.7	592.6	414.0	244.0	124.9	43.2	0.0
-50°	723.0	546.8	380.7	225.0	113.5	41.1	0.0
-52.5°	665.9	499.3	346.2	207.2	101.7	39.0	0.0
-55°	607.0	453.9	310.6	188.8	89.4	36.7	0.0
-57.5°	546.4	408.0	273.8	169.9	76.8	34.4	0.0
-60°	484.8	360.9	236.7	150.4	63.9	32.0	0.0
-62.5°	426.8	312.5	210.1	130.5	59.0	29.5	0.0
-65°	367.7	263.2	182.9	110.1	54.0	27.0	0.0
-67.5°	307.3	220.7	155.2	89.3	48.9	24.5	0.0
-70°	246.0	185.5	127.0	68.1	43.7	21.9	0.0
-72.5°	200.7	149.7	98.3	57.6	38.4	19.2	0.0
-75°	157.3	113.5	69.3	49.6	33.1	16.6	0.0
-77.5°	113.5	76.9	55.1	41.4	27.7	13.8	0.0
-80°	69.3	55.1	44.2	33.2	22.2	11.1	0.0
-82.5°	49.6	41.4	33.2	25.0	16.7	8.4	0.0
-85°	33.1	27.7	22.2	16.7	11.1	5.6	0.0
-87.5°	16.6	13.8	11.1	8.4	5.6	2.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)