

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: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645446 (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: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3E-735-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

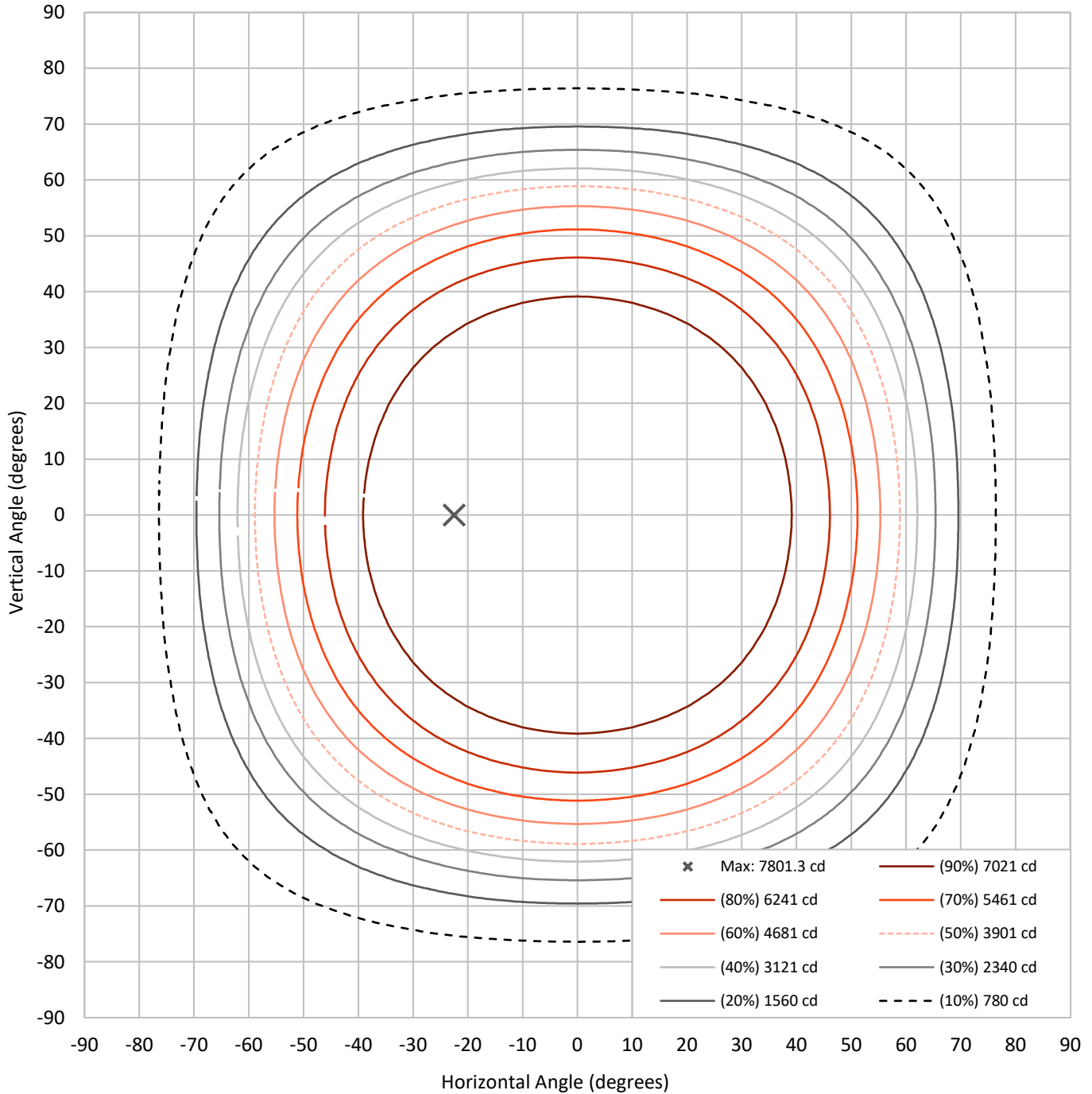
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	23864.6 lumens	Max Intensity:	7801.3 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	128.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	19860.5 lumens	Field Lumens:	23395.2 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
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		



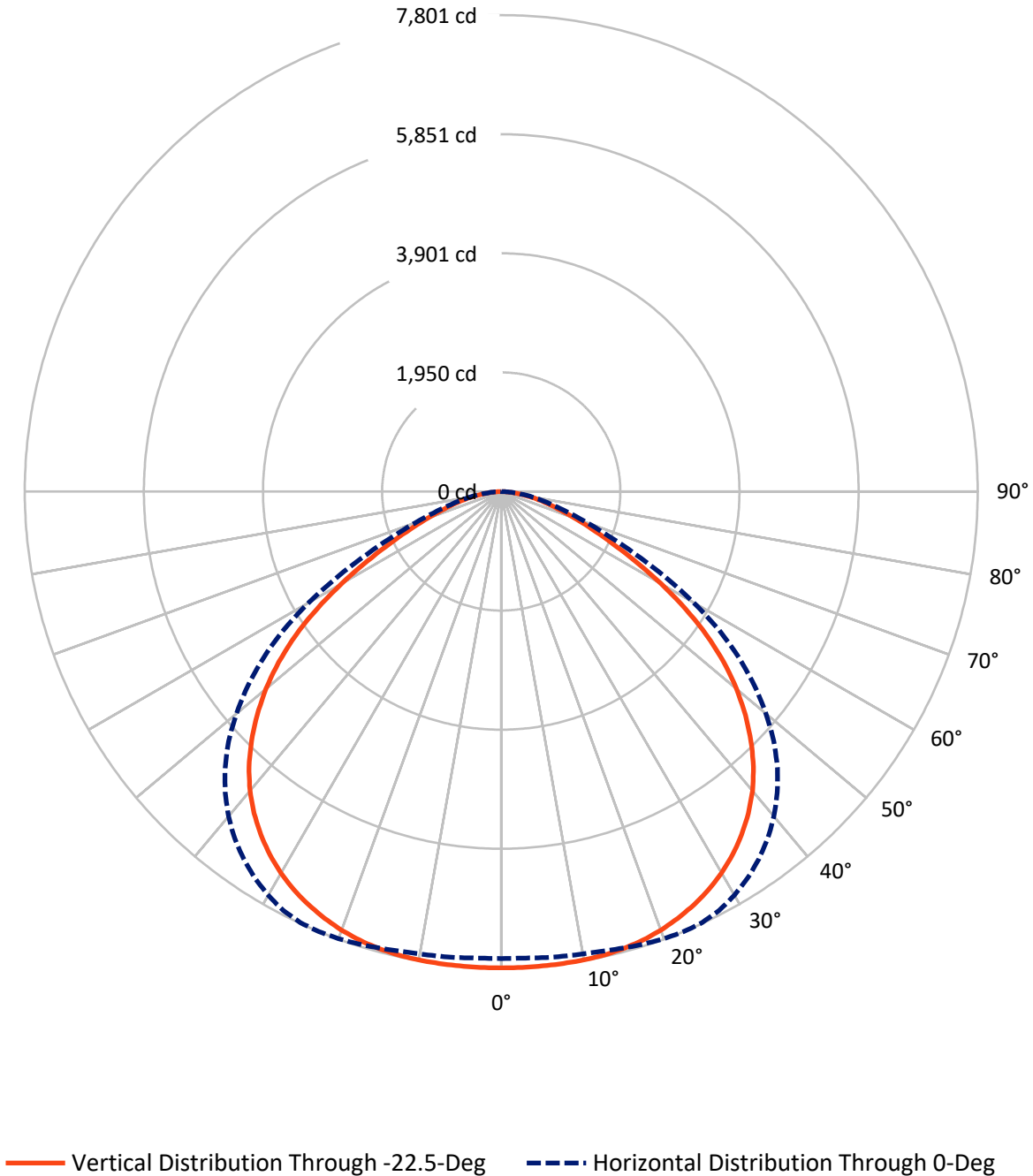
REPORT NUMBER: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-735-U-LAM-XX

Iso-Candela Plot



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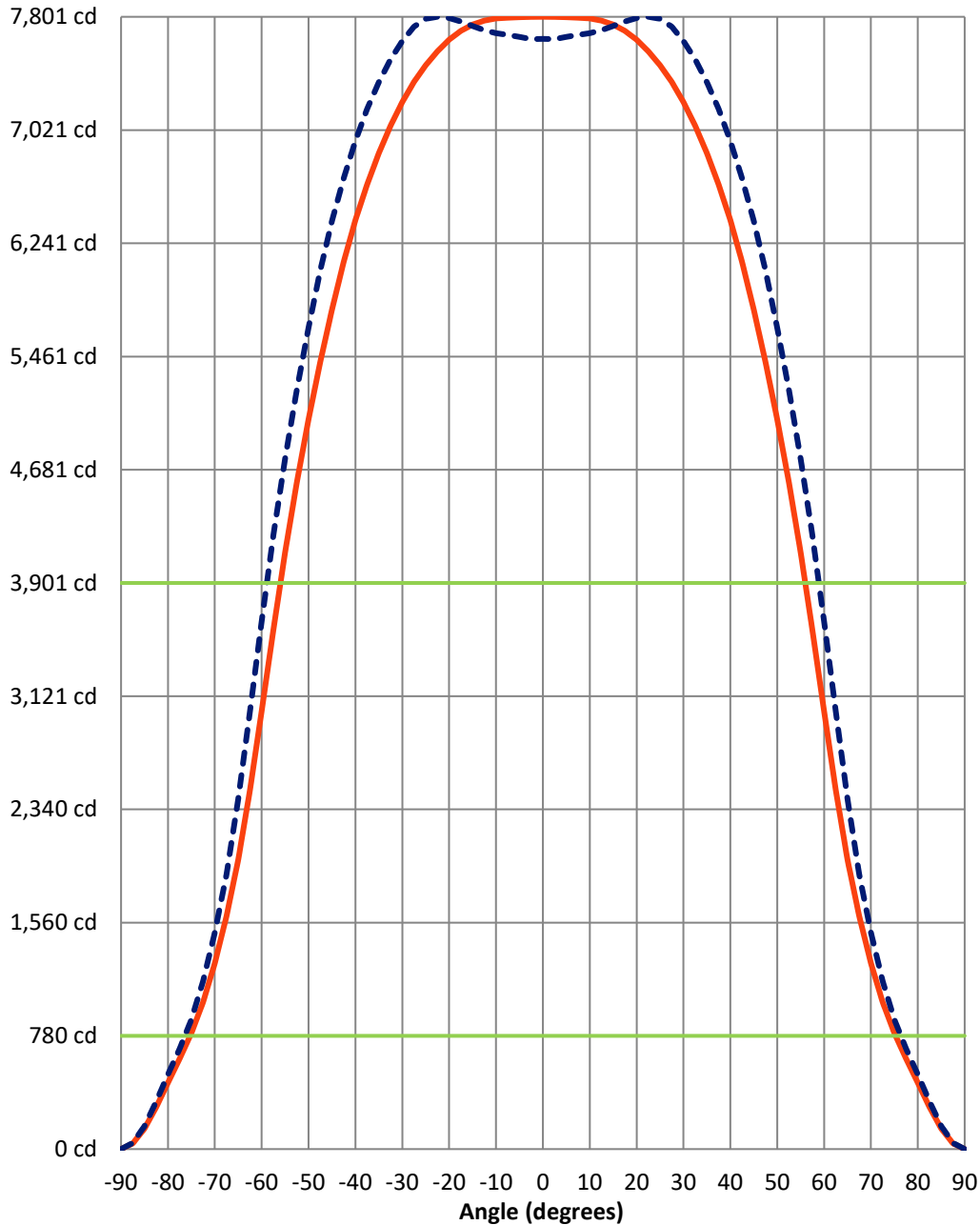
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 19860.5
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 23395.2
 Efficiency: 98.0%

Spill:
 Lumens: 469.4
 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	1.9	3.7	5.6	7.4	9.2	11.0	12.8	14.6	16.3	18.0
85°	0.0	3.7	7.4	11.1	14.8	18.5	22.1	25.7	29.2	32.6	36.1
82.5°	0.0	5.6	11.1	16.7	22.2	27.7	33.1	38.4	45.4	59.6	73.5
80°	0.0	7.4	14.8	22.2	29.5	36.8	46.2	65.6	84.7	103.5	122.0
77.5°	0.0	9.2	18.5	27.7	36.8	51.3	75.7	99.9	123.8	147.2	175.6
75°	0.0	11.0	22.1	33.1	46.2	75.7	105.0	133.9	164.1	205.1	245.3
72.5°	0.0	12.8	25.7	38.4	65.6	99.9	133.9	171.5	219.9	267.5	314.4
70°	0.0	14.6	29.2	45.4	84.7	123.8	164.1	219.9	274.9	329.3	388.1
67.5°	0.0	16.3	32.6	59.6	103.5	147.2	205.1	267.5	329.3	396.3	462.3
65°	0.0	18.0	36.1	73.5	122.0	175.6	245.3	314.4	388.1	462.3	534.3
62.5°	0.0	19.7	39.4	87.1	140.2	208.5	284.8	363.6	445.8	526.4	602.8
60°	0.0	21.3	42.7	100.4	157.9	240.8	323.4	413.2	502.4	587.0	670.0
57.5°	0.0	22.9	51.2	113.4	182.7	272.2	364.5	461.6	555.7	646.3	741.7
55°	0.0	24.5	59.7	126.0	207.2	302.9	405.0	508.7	607.1	705.9	814.5
52.5°	0.0	26.0	67.8	138.2	231.0	333.1	444.3	552.7	657.1	769.7	885.4
50°	0.0	27.4	75.7	150.1	254.0	364.8	482.3	595.1	707.5	831.6	973.5
47.5°	0.0	28.8	83.4	162.8	276.2	395.4	518.8	636.1	760.7	891.5	1061.1
45°	0.0	30.2	90.7	178.8	297.6	424.8	552.5	675.5	811.9	966.9	1145.5
42.5°	0.0	31.5	97.7	194.1	318.0	453.0	584.9	716.3	861.0	1039.7	1245.1
40°	0.0	32.7	104.4	208.7	338.5	479.9	615.8	757.3	912.8	1109.4	1343.4
37.5°	0.0	33.9	110.7	222.6	358.9	505.4	645.2	796.3	971.6	1180.7	1437.1
35°	0.0	35.0	116.7	235.7	378.2	528.9	673.0	833.2	1027.2	1260.3	1532.8
32.5°	0.0	36.0	122.4	248.0	396.4	550.6	700.1	867.9	1079.7	1335.3	1633.4
30°	0.0	37.0	127.6	259.6	413.3	570.9	727.9	902.8	1128.8	1405.6	1727.7
27.5°	0.0	37.9	132.5	270.2	429.0	589.7	753.6	942.5	1178.9	1471.0	1815.5
25°	0.0	38.7	137.0	280.1	443.5	607.0	777.3	979.1	1232.0	1539.1	1897.5
22.5°	0.0	39.4	141.1	289.0	456.7	622.8	798.9	1012.4	1280.6	1605.1	1993.2
20°	0.0	40.1	144.8	297.1	468.5	637.1	818.4	1042.4	1324.3	1664.6	2079.7
17.5°	0.0	40.7	148.0	304.2	479.0	649.7	835.7	1069.1	1363.2	1717.6	2156.6
15°	0.0	41.2	150.9	310.4	488.2	660.7	850.7	1092.4	1397.1	1763.7	2223.8
12.5°	0.0	41.7	153.3	315.7	496.0	670.0	863.5	1112.1	1425.9	1803.0	2281.0
10°	0.0	42.1	155.3	320.1	502.4	677.7	874.0	1128.4	1449.6	1835.3	2328.0
7.5°	0.0	42.3	156.8	323.4	507.4	683.7	882.2	1141.0	1468.1	1860.5	2364.7
5°	0.0	42.5	157.9	325.9	510.9	688.0	888.1	1150.1	1481.4	1878.6	2391.0
2.5°	0.0	42.7	158.6	327.3	513.1	690.5	891.6	1155.6	1489.3	1889.5	2406.8
0°	0.0	42.7	158.8	327.8	513.8	691.4	892.8	1157.4	1492.0	1893.1	2412.1
-2.5°	0.0	42.7	158.6	327.3	513.1	690.5	891.6	1155.6	1489.3	1889.5	2406.8
-5°	0.0	42.5	157.9	325.9	510.9	688.0	888.1	1150.1	1481.4	1878.6	2391.0
-7.5°	0.0	42.3	156.8	323.4	507.4	683.7	882.2	1141.0	1468.1	1860.5	2364.7
-10°	0.0	42.1	155.3	320.1	502.4	677.7	874.0	1128.4	1449.6	1835.3	2328.0
-12.5°	0.0	41.7	153.3	315.7	496.0	670.0	863.5	1112.1	1425.9	1803.0	2281.0
-15°	0.0	41.2	150.9	310.4	488.2	660.7	850.7	1092.4	1397.1	1763.7	2223.8
-17.5°	0.0	40.7	148.0	304.2	479.0	649.7	835.7	1069.1	1363.2	1717.6	2156.6
-20°	0.0	40.1	144.8	297.1	468.5	637.1	818.4	1042.4	1324.3	1664.6	2079.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	39.4	141.1	289.0	456.7	622.8	798.9	1012.4	1280.6	1605.1	1993.2
-25°	0.0	38.7	137.0	280.1	443.5	607.0	777.3	979.1	1232.0	1539.1	1897.5
-27.5°	0.0	37.9	132.5	270.2	429.0	589.7	753.6	942.5	1178.9	1471.0	1815.5
-30°	0.0	37.0	127.6	259.6	413.3	570.9	727.9	902.8	1128.8	1405.6	1727.7
-32.5°	0.0	36.0	122.4	248.0	396.4	550.6	700.1	867.9	1079.7	1335.3	1633.4
-35°	0.0	35.0	116.7	235.7	378.2	528.9	673.0	833.2	1027.2	1260.3	1532.8
-37.5°	0.0	33.9	110.7	222.6	358.9	505.4	645.2	796.3	971.6	1180.7	1437.1
-40°	0.0	32.7	104.4	208.7	338.5	479.9	615.8	757.3	912.8	1109.4	1343.4
-42.5°	0.0	31.5	97.7	194.1	318.0	453.0	584.9	716.3	861.0	1039.7	1245.1
-45°	0.0	30.2	90.7	178.8	297.6	424.8	552.5	675.5	811.9	966.9	1145.5
-47.5°	0.0	28.8	83.4	162.8	276.2	395.4	518.8	636.1	760.7	891.5	1061.1
-50°	0.0	27.4	75.7	150.1	254.0	364.8	482.3	595.1	707.5	831.6	973.5
-52.5°	0.0	26.0	67.8	138.2	231.0	333.1	444.3	552.7	657.1	769.7	885.4
-55°	0.0	24.5	59.7	126.0	207.2	302.9	405.0	508.7	607.1	705.9	814.5
-57.5°	0.0	22.9	51.2	113.4	182.7	272.2	364.5	461.6	555.7	646.3	741.7
-60°	0.0	21.3	42.7	100.4	157.9	240.8	323.4	413.2	502.4	587.0	670.0
-62.5°	0.0	19.7	39.4	87.1	140.2	208.5	284.8	363.6	445.8	526.4	602.8
-65°	0.0	18.0	36.1	73.5	122.0	175.6	245.3	314.4	388.1	462.3	534.3
-67.5°	0.0	16.3	32.6	59.6	103.5	147.2	205.1	267.5	329.3	396.3	462.3
-70°	0.0	14.6	29.2	45.4	84.7	123.8	164.1	219.9	274.9	329.3	388.1
-72.5°	0.0	12.8	25.7	38.4	65.6	99.9	133.9	171.5	219.9	267.5	314.4
-75°	0.0	11.0	22.1	33.1	46.2	75.7	105.0	133.9	164.1	205.1	245.3
-77.5°	0.0	9.2	18.5	27.7	36.8	51.3	75.7	99.9	123.8	147.2	175.6
-80°	0.0	7.4	14.8	22.2	29.5	36.8	46.2	65.6	84.7	103.5	122.0
-82.5°	0.0	5.6	11.1	16.7	22.2	27.7	33.1	38.4	45.4	59.6	73.5
-85°	0.0	3.7	7.4	11.1	14.8	18.5	22.1	25.7	29.2	32.6	36.1
-87.5°	0.0	1.9	3.7	5.6	7.4	9.2	11.0	12.8	14.6	16.3	18.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA3E-735-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°	19.7	21.3	22.9	24.5	26.0	27.4	28.8	30.2	31.5	32.7	33.9
85°	39.4	42.7	51.2	59.7	67.8	75.7	83.4	90.7	97.7	104.4	110.7
82.5°	87.1	100.4	113.4	126.0	138.2	150.1	162.8	178.8	194.1	208.7	222.6
80°	140.2	157.9	182.7	207.2	231.0	254.0	276.2	297.6	318.0	338.5	358.9
77.5°	208.5	240.8	272.2	302.9	333.1	364.8	395.4	424.8	453.0	479.9	505.4
75°	284.8	323.4	364.5	405.0	444.3	482.3	518.8	552.5	584.9	615.8	645.2
72.5°	363.6	413.2	461.6	508.7	552.7	595.1	636.1	675.5	716.3	757.3	796.3
70°	445.8	502.4	555.7	607.1	657.1	707.5	760.7	811.9	861.0	912.8	971.6
67.5°	526.4	587.0	646.3	705.9	769.7	831.6	891.5	966.9	1039.7	1109.4	1180.7
65°	602.8	670.0	741.7	814.5	885.4	973.5	1061.1	1145.5	1245.1	1343.4	1437.1
62.5°	677.9	759.8	841.6	930.7	1033.1	1132.6	1248.0	1365.8	1479.1	1606.7	1731.0
60°	759.8	850.7	954.6	1069.1	1187.0	1324.3	1457.5	1605.1	1753.8	1897.5	2073.8
57.5°	841.6	954.6	1081.2	1217.6	1370.5	1524.8	1698.0	1865.7	2066.9	2267.8	2467.8
55°	930.7	1069.1	1217.6	1385.9	1562.1	1754.3	1955.2	2189.4	2416.2	2668.7	2910.6
52.5°	1033.1	1187.0	1370.5	1562.1	1773.1	2004.3	2263.6	2531.8	2814.2	3088.5	3357.4
50°	1132.6	1324.3	1524.8	1754.3	2004.3	2288.5	2590.1	2902.4	3210.7	3511.4	3793.1
47.5°	1248.0	1457.5	1698.0	1955.2	2263.6	2590.1	2931.9	3272.2	3604.7	3913.3	4208.8
45°	1365.8	1605.1	1865.7	2189.4	2531.8	2902.4	3272.2	3636.0	3973.9	4292.7	4571.7
42.5°	1479.1	1753.8	2066.9	2416.2	2814.2	3210.7	3604.7	3973.9	4320.0	4627.1	4907.3
40°	1606.7	1897.5	2267.8	2668.7	3088.5	3511.4	3913.3	4292.7	4627.1	4932.8	5216.5
37.5°	1731.0	2073.8	2467.8	2910.6	3357.4	3793.1	4208.8	4571.7	4907.3	5216.5	5488.6
35°	1849.0	2241.5	2680.2	3145.0	3614.1	4057.1	4461.7	4831.1	5164.5	5464.6	5742.9
32.5°	1980.2	2400.0	2881.2	3370.2	3848.0	4299.1	4700.2	5061.5	5393.0	5697.8	5974.1
30°	2115.5	2570.9	3072.0	3582.3	4067.7	4509.0	4909.4	5275.2	5604.1	5905.1	6175.9
27.5°	2241.5	2732.1	3254.0	3774.3	4268.4	4705.7	5100.7	5460.9	5791.7	6094.7	6357.2
25°	2357.9	2881.2	3422.5	3950.0	4437.4	4875.7	5274.2	5634.2	5963.0	6253.9	6509.1
22.5°	2472.8	3017.8	3576.9	4111.2	4592.6	5027.6	5422.5	5783.4	6112.5	6400.7	6645.5
20°	2584.5	3145.0	3713.1	4254.2	4733.4	5165.6	5557.5	5917.7	6238.1	6517.0	6760.7
17.5°	2684.0	3258.4	3832.3	4369.6	4849.2	5283.4	5677.0	6038.4	6351.1	6622.0	6860.3
15°	2770.8	3357.4	3936.5	4470.7	4948.8	5381.4	5774.9	6132.4	6442.9	6711.6	6948.2
12.5°	2844.8	3441.9	4025.5	4557.0	5034.0	5465.2	5858.8	6211.3	6516.6	6781.9	7013.3
10°	2905.7	3511.4	4098.7	4628.2	5104.2	5534.4	5928.2	6276.7	6577.7	6840.2	7067.5
7.5°	2953.3	3565.8	4156.0	4683.9	5159.2	5588.6	5982.6	6328.0	6625.8	6886.1	7110.3
5°	2987.4	3604.7	4197.1	4723.8	5198.7	5627.6	6021.7	6365.0	6660.4	6919.3	7141.3
2.5°	3007.9	3628.2	4221.8	4747.9	5222.5	5651.1	6045.3	6387.3	6681.3	6939.3	7159.9
0°	3014.7	3636.0	4230.1	4755.9	5230.4	5658.9	6053.2	6394.7	6688.3	6946.0	7166.2
-2.5°	3007.9	3628.2	4221.8	4747.9	5222.5	5651.1	6045.3	6387.3	6681.3	6939.3	7159.9
-5°	2987.4	3604.7	4197.1	4723.8	5198.7	5627.6	6021.7	6365.0	6660.4	6919.3	7141.3
-7.5°	2953.3	3565.8	4156.0	4683.9	5159.2	5588.6	5982.6	6328.0	6625.8	6886.1	7110.3
-10°	2905.7	3511.4	4098.7	4628.2	5104.2	5534.4	5928.2	6276.7	6577.7	6840.2	7067.5
-12.5°	2844.8	3441.9	4025.5	4557.0	5034.0	5465.2	5858.8	6211.3	6516.6	6781.9	7013.3
-15°	2770.8	3357.4	3936.5	4470.7	4948.8	5381.4	5774.9	6132.4	6442.9	6711.6	6948.2
-17.5°	2684.0	3258.4	3832.3	4369.6	4849.2	5283.4	5677.0	6038.4	6351.1	6622.0	6860.3
-20°	2584.5	3145.0	3713.1	4254.2	4733.4	5165.6	5557.5	5917.7	6238.1	6517.0	6760.7

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA3E-735-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°	2472.8	3017.8	3576.9	4111.2	4592.6	5027.6	5422.5	5783.4	6112.5	6400.7	6645.5
-25°	2357.9	2881.2	3422.5	3950.0	4437.4	4875.7	5274.2	5634.2	5963.0	6253.9	6509.1
-27.5°	2241.5	2732.1	3254.0	3774.3	4268.4	4705.7	5100.7	5460.9	5791.7	6094.7	6357.2
-30°	2115.5	2570.9	3072.0	3582.3	4067.7	4509.0	4909.4	5275.2	5604.1	5905.1	6175.9
-32.5°	1980.2	2400.0	2881.2	3370.2	3848.0	4299.1	4700.2	5061.5	5393.0	5697.8	5974.1
-35°	1849.0	2241.5	2680.2	3145.0	3614.1	4057.1	4461.7	4831.1	5164.5	5464.6	5742.9
-37.5°	1731.0	2073.8	2467.8	2910.6	3357.4	3793.1	4208.8	4571.7	4907.3	5216.5	5488.6
-40°	1606.7	1897.5	2267.8	2668.7	3088.5	3511.4	3913.3	4292.7	4627.1	4932.8	5216.5
-42.5°	1479.1	1753.8	2066.9	2416.2	2814.2	3210.7	3604.7	3973.9	4320.0	4627.1	4907.3
-45°	1365.8	1605.1	1865.7	2189.4	2531.8	2902.4	3272.2	3636.0	3973.9	4292.7	4571.7
-47.5°	1248.0	1457.5	1698.0	1955.2	2263.6	2590.1	2931.9	3272.2	3604.7	3913.3	4208.8
-50°	1132.6	1324.3	1524.8	1754.3	2004.3	2288.5	2590.1	2902.4	3210.7	3511.4	3793.1
-52.5°	1033.1	1187.0	1370.5	1562.1	1773.1	2004.3	2263.6	2531.8	2814.2	3088.5	3357.4
-55°	930.7	1069.1	1217.6	1385.9	1562.1	1754.3	1955.2	2189.4	2416.2	2668.7	2910.6
-57.5°	841.6	954.6	1081.2	1217.6	1370.5	1524.8	1698.0	1865.7	2066.9	2267.8	2467.8
-60°	759.8	850.7	954.6	1069.1	1187.0	1324.3	1457.5	1605.1	1753.8	1897.5	2073.8
-62.5°	677.9	759.8	841.6	930.7	1033.1	1132.6	1248.0	1365.8	1479.1	1606.7	1731.0
-65°	602.8	670.0	741.7	814.5	885.4	973.5	1061.1	1145.5	1245.1	1343.4	1437.1
-67.5°	526.4	587.0	646.3	705.9	769.7	831.6	891.5	966.9	1039.7	1109.4	1180.7
-70°	445.8	502.4	555.7	607.1	657.1	707.5	760.7	811.9	861.0	912.8	971.6
-72.5°	363.6	413.2	461.6	508.7	552.7	595.1	636.1	675.5	716.3	757.3	796.3
-75°	284.8	323.4	364.5	405.0	444.3	482.3	518.8	552.5	584.9	615.8	645.2
-77.5°	208.5	240.8	272.2	302.9	333.1	364.8	395.4	424.8	453.0	479.9	505.4
-80°	140.2	157.9	182.7	207.2	231.0	254.0	276.2	297.6	318.0	338.5	358.9
-82.5°	87.1	100.4	113.4	126.0	138.2	150.1	162.8	178.8	194.1	208.7	222.6
-85°	39.4	42.7	51.2	59.7	67.8	75.7	83.4	90.7	97.7	104.4	110.7
-87.5°	19.7	21.3	22.9	24.5	26.0	27.4	28.8	30.2	31.5	32.7	33.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-735-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°	35.0	36.0	37.0	37.9	38.7	39.4	40.1	40.7	41.2	41.7	42.1
85°	116.7	122.4	127.6	132.5	137.0	141.1	144.8	148.0	150.9	153.3	155.3
82.5°	235.7	248.0	259.6	270.2	280.1	289.0	297.1	304.2	310.4	315.7	320.1
80°	378.2	396.4	413.3	429.0	443.5	456.7	468.5	479.0	488.2	496.0	502.4
77.5°	528.9	550.6	570.9	589.7	607.0	622.8	637.1	649.7	660.7	670.0	677.7
75°	673.0	700.1	727.9	753.6	777.3	798.9	818.4	835.7	850.7	863.5	874.0
72.5°	833.2	867.9	902.8	942.5	979.1	1012.4	1042.4	1069.1	1092.4	1112.1	1128.4
70°	1027.2	1079.7	1128.8	1178.9	1232.0	1280.6	1324.3	1363.2	1397.1	1425.9	1449.6
67.5°	1260.3	1335.3	1405.6	1471.0	1539.1	1605.1	1664.6	1717.6	1763.7	1803.0	1835.3
65°	1532.8	1633.4	1727.7	1815.5	1897.5	1993.2	2079.7	2156.6	2223.8	2281.0	2328.0
62.5°	1849.0	1980.2	2115.5	2241.5	2357.9	2472.8	2584.5	2684.0	2770.8	2844.8	2905.7
60°	2241.5	2400.0	2570.9	2732.1	2881.2	3017.8	3145.0	3258.4	3357.4	3441.9	3511.4
57.5°	2680.2	2881.2	3072.0	3254.0	3422.5	3576.9	3713.1	3832.3	3936.5	4025.5	4098.7
55°	3145.0	3370.2	3582.3	3774.3	3950.0	4111.2	4254.2	4369.6	4470.7	4557.0	4628.2
52.5°	3614.1	3848.0	4067.7	4268.4	4437.4	4592.6	4733.4	4849.2	4948.8	5034.0	5104.2
50°	4057.1	4299.1	4509.0	4705.7	4875.7	5027.6	5165.6	5283.4	5381.4	5465.2	5534.4
47.5°	4461.7	4700.2	4909.4	5100.7	5274.2	5422.5	5557.5	5677.0	5774.9	5858.8	5928.2
45°	4831.1	5061.5	5275.2	5460.9	5634.2	5783.4	5917.7	6038.4	6132.4	6211.3	6276.7
42.5°	5164.5	5393.0	5604.1	5791.7	5963.0	6112.5	6238.1	6351.1	6442.9	6516.6	6577.7
40°	5464.6	5697.8	5905.1	6094.7	6253.9	6400.7	6517.0	6622.0	6711.6	6781.9	6840.2
37.5°	5742.9	5974.1	6175.9	6357.2	6509.1	6645.5	6760.7	6860.3	6948.2	7013.3	7067.5
35°	5997.2	6216.9	6416.6	6582.8	6733.3	6861.8	6975.2	7067.0	7148.7	7210.8	7260.3
32.5°	6216.9	6434.8	6620.2	6783.7	6930.7	7050.5	7159.4	7243.5	7317.6	7377.4	7423.4
30°	6416.6	6620.2	6800.7	6962.8	7096.6	7213.4	7311.4	7393.6	7462.1	7519.1	7559.5
27.5°	6582.8	6783.7	6962.8	7112.2	7240.3	7352.7	7442.5	7521.6	7581.3	7633.8	7668.5
25°	6733.3	6930.7	7096.6	7240.3	7364.7	7467.4	7552.7	7624.4	7677.4	7722.3	7748.2
22.5°	6861.8	7050.5	7213.4	7352.7	7467.4	7563.3	7643.7	7704.4	7747.8	7774.9	7790.3
20°	6975.2	7159.4	7311.4	7442.5	7552.7	7643.7	7713.6	7758.4	7788.6	7796.1	7800.5
17.5°	7067.0	7243.5	7393.6	7521.6	7624.4	7704.4	7758.4	7790.0	7799.1	7797.5	7793.0
15°	7148.7	7317.6	7462.1	7581.3	7677.4	7747.8	7788.6	7799.1	7796.5	7787.3	7773.2
12.5°	7210.8	7377.4	7519.1	7633.8	7722.3	7774.9	7796.1	7797.5	7787.3	7769.8	7749.9
10°	7260.3	7423.4	7559.5	7668.5	7748.2	7790.3	7800.5	7793.0	7773.2	7749.9	7727.7
7.5°	7299.4	7459.8	7591.6	7696.3	7765.1	7795.0	7797.2	7783.1	7759.4	7732.8	7708.9
5°	7327.7	7486.3	7615.0	7716.5	7777.5	7798.4	7794.7	7775.3	7747.8	7720.1	7698.2
2.5°	7344.9	7502.3	7629.2	7728.9	7785.1	7800.6	7793.2	7770.4	7740.6	7711.9	7691.1
0°	7350.6	7507.7	7634.0	7733.0	7787.6	7801.3	7792.7	7768.8	7738.1	7709.1	7688.6
-2.5°	7344.9	7502.3	7629.2	7728.9	7785.1	7800.6	7793.2	7770.4	7740.6	7711.9	7691.1
-5°	7327.7	7486.3	7615.0	7716.5	7777.5	7798.4	7794.7	7775.3	7747.8	7720.1	7698.2
-7.5°	7299.4	7459.8	7591.6	7696.3	7765.1	7795.0	7797.2	7783.1	7759.4	7732.8	7708.9
-10°	7260.3	7423.4	7559.5	7668.5	7748.2	7790.3	7800.5	7793.0	7773.2	7749.9	7727.7
-12.5°	7210.8	7377.4	7519.1	7633.8	7722.3	7774.9	7796.1	7797.5	7787.3	7769.8	7749.9
-15°	7148.7	7317.6	7462.1	7581.3	7677.4	7747.8	7788.6	7799.1	7796.5	7787.3	7773.2
-17.5°	7067.0	7243.5	7393.6	7521.6	7624.4	7704.4	7758.4	7790.0	7799.1	7797.5	7793.0
-20°	6975.2	7159.4	7311.4	7442.5	7552.7	7643.7	7713.6	7758.4	7788.6	7796.1	7800.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6861.8	7050.5	7213.4	7352.7	7467.4	7563.3	7643.7	7704.4	7747.8	7774.9	7790.3
-25°	6733.3	6930.7	7096.6	7240.3	7364.7	7467.4	7552.7	7624.4	7677.4	7722.3	7748.2
-27.5°	6582.8	6783.7	6962.8	7112.2	7240.3	7352.7	7442.5	7521.6	7581.3	7633.8	7668.5
-30°	6416.6	6620.2	6800.7	6962.8	7096.6	7213.4	7311.4	7393.6	7462.1	7519.1	7559.5
-32.5°	6216.9	6434.8	6620.2	6783.7	6930.7	7050.5	7159.4	7243.5	7317.6	7377.4	7423.4
-35°	5997.2	6216.9	6416.6	6582.8	6733.3	6861.8	6975.2	7067.0	7148.7	7210.8	7260.3
-37.5°	5742.9	5974.1	6175.9	6357.2	6509.1	6645.5	6760.7	6860.3	6948.2	7013.3	7067.5
-40°	5464.6	5697.8	5905.1	6094.7	6253.9	6400.7	6517.0	6622.0	6711.6	6781.9	6840.2
-42.5°	5164.5	5393.0	5604.1	5791.7	5963.0	6112.5	6238.1	6351.1	6442.9	6516.6	6577.7
-45°	4831.1	5061.5	5275.2	5460.9	5634.2	5783.4	5917.7	6038.4	6132.4	6211.3	6276.7
-47.5°	4461.7	4700.2	4909.4	5100.7	5274.2	5422.5	5557.5	5677.0	5774.9	5858.8	5928.2
-50°	4057.1	4299.1	4509.0	4705.7	4875.7	5027.6	5165.6	5283.4	5381.4	5465.2	5534.4
-52.5°	3614.1	3848.0	4067.7	4268.4	4437.4	4592.6	4733.4	4849.2	4948.8	5034.0	5104.2
-55°	3145.0	3370.2	3582.3	3774.3	3950.0	4111.2	4254.2	4369.6	4470.7	4557.0	4628.2
-57.5°	2680.2	2881.2	3072.0	3254.0	3422.5	3576.9	3713.1	3832.3	3936.5	4025.5	4098.7
-60°	2241.5	2400.0	2570.9	2732.1	2881.2	3017.8	3145.0	3258.4	3357.4	3441.9	3511.4
-62.5°	1849.0	1980.2	2115.5	2241.5	2357.9	2472.8	2584.5	2684.0	2770.8	2844.8	2905.7
-65°	1532.8	1633.4	1727.7	1815.5	1897.5	1993.2	2079.7	2156.6	2223.8	2281.0	2328.0
-67.5°	1260.3	1335.3	1405.6	1471.0	1539.1	1605.1	1664.6	1717.6	1763.7	1803.0	1835.3
-70°	1027.2	1079.7	1128.8	1178.9	1232.0	1280.6	1324.3	1363.2	1397.1	1425.9	1449.6
-72.5°	833.2	867.9	902.8	942.5	979.1	1012.4	1042.4	1069.1	1092.4	1112.1	1128.4
-75°	673.0	700.1	727.9	753.6	777.3	798.9	818.4	835.7	850.7	863.5	874.0
-77.5°	528.9	550.6	570.9	589.7	607.0	622.8	637.1	649.7	660.7	670.0	677.7
-80°	378.2	396.4	413.3	429.0	443.5	456.7	468.5	479.0	488.2	496.0	502.4
-82.5°	235.7	248.0	259.6	270.2	280.1	289.0	297.1	304.2	310.4	315.7	320.1
-85°	116.7	122.4	127.6	132.5	137.0	141.1	144.8	148.0	150.9	153.3	155.3
-87.5°	35.0	36.0	37.0	37.9	38.7	39.4	40.1	40.7	41.2	41.7	42.1
-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: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-735-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°	42.3	42.5	42.7	42.7	42.7	42.5	42.3	42.1	41.7	41.2	40.7
85°	156.8	157.9	158.6	158.8	158.6	157.9	156.8	155.3	153.3	150.9	148.0
82.5°	323.4	325.9	327.3	327.8	327.3	325.9	323.4	320.1	315.7	310.4	304.2
80°	507.4	510.9	513.1	513.8	513.1	510.9	507.4	502.4	496.0	488.2	479.0
77.5°	683.7	688.0	690.5	691.4	690.5	688.0	683.7	677.7	670.0	660.7	649.7
75°	882.2	888.1	891.6	892.8	891.6	888.1	882.2	874.0	863.5	850.7	835.7
72.5°	1141.0	1150.1	1155.6	1157.4	1155.6	1150.1	1141.0	1128.4	1112.1	1092.4	1069.1
70°	1468.1	1481.4	1489.3	1492.0	1489.3	1481.4	1468.1	1449.6	1425.9	1397.1	1363.2
67.5°	1860.5	1878.6	1889.5	1893.1	1889.5	1878.6	1860.5	1835.3	1803.0	1763.7	1717.6
65°	2364.7	2391.0	2406.8	2412.1	2406.8	2391.0	2364.7	2328.0	2281.0	2223.8	2156.6
62.5°	2953.3	2987.4	3007.9	3014.7	3007.9	2987.4	2953.3	2905.7	2844.8	2770.8	2684.0
60°	3565.8	3604.7	3628.2	3636.0	3628.2	3604.7	3565.8	3511.4	3441.9	3357.4	3258.4
57.5°	4156.0	4197.1	4221.8	4230.1	4221.8	4197.1	4156.0	4098.7	4025.5	3936.5	3832.3
55°	4683.9	4723.8	4747.9	4755.9	4747.9	4723.8	4683.9	4628.2	4557.0	4470.7	4369.6
52.5°	5159.2	5198.7	5222.5	5230.4	5222.5	5198.7	5159.2	5104.2	5034.0	4948.8	4849.2
50°	5588.6	5627.6	5651.1	5658.9	5651.1	5627.6	5588.6	5534.4	5465.2	5381.4	5283.4
47.5°	5982.6	6021.7	6045.3	6053.2	6045.3	6021.7	5982.6	5928.2	5858.8	5774.9	5677.0
45°	6328.0	6365.0	6387.3	6394.7	6387.3	6365.0	6328.0	6276.7	6211.3	6132.4	6038.4
42.5°	6625.8	6660.4	6681.3	6688.3	6681.3	6660.4	6625.8	6577.7	6516.6	6442.9	6351.1
40°	6886.1	6919.3	6939.3	6946.0	6939.3	6919.3	6886.1	6840.2	6781.9	6711.6	6622.0
37.5°	7110.3	7141.3	7159.9	7166.2	7159.9	7141.3	7110.3	7067.5	7013.3	6948.2	6860.3
35°	7299.4	7327.7	7344.9	7350.6	7344.9	7327.7	7299.4	7260.3	7210.8	7148.7	7067.0
32.5°	7459.8	7486.3	7502.3	7507.7	7502.3	7486.3	7459.8	7423.4	7377.4	7317.6	7243.5
30°	7591.6	7615.0	7629.2	7634.0	7629.2	7615.0	7591.6	7559.5	7519.1	7462.1	7393.6
27.5°	7696.3	7716.5	7728.9	7733.0	7728.9	7716.5	7696.3	7668.5	7633.8	7581.3	7521.6
25°	7765.1	7777.5	7785.1	7787.6	7785.1	7777.5	7765.1	7748.2	7722.3	7677.4	7624.4
22.5°	7795.0	7798.4	7800.6	7801.3	7800.6	7798.4	7795.0	7790.3	7774.9	7747.8	7704.4
20°	7797.2	7794.7	7793.2	7792.7	7793.2	7794.7	7797.2	7800.5	7796.1	7788.6	7758.4
17.5°	7783.1	7775.3	7770.4	7768.8	7770.4	7775.3	7783.1	7793.0	7797.5	7799.1	7790.0
15°	7759.4	7747.8	7740.6	7738.1	7740.6	7747.8	7759.4	7773.2	7787.3	7796.5	7799.1
12.5°	7732.8	7720.1	7711.9	7709.1	7711.9	7720.1	7732.8	7749.9	7769.8	7787.3	7797.5
10°	7708.9	7698.2	7691.1	7688.6	7691.1	7698.2	7708.9	7727.7	7749.9	7773.2	7793.0
7.5°	7693.4	7683.9	7678.6	7676.7	7678.6	7683.9	7693.4	7708.9	7732.8	7759.4	7783.1
5°	7683.9	7674.3	7666.2	7663.0	7666.2	7674.3	7683.9	7698.2	7720.1	7747.8	7775.3
2.5°	7678.6	7666.2	7654.0	7647.6	7654.0	7666.2	7678.6	7691.1	7711.9	7740.6	7770.4
0°	7676.7	7663.0	7647.6	7649.3	7647.6	7663.0	7676.7	7688.6	7709.1	7738.1	7768.8
-2.5°	7678.6	7666.2	7654.0	7647.6	7654.0	7666.2	7678.6	7691.1	7711.9	7740.6	7770.4
-5°	7683.9	7674.3	7666.2	7663.0	7666.2	7674.3	7683.9	7698.2	7720.1	7747.8	7775.3
-7.5°	7693.4	7683.9	7678.6	7676.7	7678.6	7683.9	7693.4	7708.9	7732.8	7759.4	7783.1
-10°	7708.9	7698.2	7691.1	7688.6	7691.1	7698.2	7708.9	7727.7	7749.9	7773.2	7793.0
-12.5°	7732.8	7720.1	7711.9	7709.1	7711.9	7720.1	7732.8	7749.9	7769.8	7787.3	7797.5
-15°	7759.4	7747.8	7740.6	7738.1	7740.6	7747.8	7759.4	7773.2	7787.3	7796.5	7799.1
-17.5°	7783.1	7775.3	7770.4	7768.8	7770.4	7775.3	7783.1	7793.0	7797.5	7799.1	7790.0
-20°	7797.2	7794.7	7793.2	7792.7	7793.2	7794.7	7797.2	7800.5	7796.1	7788.6	7758.4

Classified

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-735-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°	7795.0	7798.4	7800.6	7801.3	7800.6	7798.4	7795.0	7790.3	7774.9	7747.8	7704.4
-25°	7765.1	7777.5	7785.1	7787.6	7785.1	7777.5	7765.1	7748.2	7722.3	7677.4	7624.4
-27.5°	7696.3	7716.5	7728.9	7733.0	7728.9	7716.5	7696.3	7668.5	7633.8	7581.3	7521.6
-30°	7591.6	7615.0	7629.2	7634.0	7629.2	7615.0	7591.6	7559.5	7519.1	7462.1	7393.6
-32.5°	7459.8	7486.3	7502.3	7507.7	7502.3	7486.3	7459.8	7423.4	7377.4	7317.6	7243.5
-35°	7299.4	7327.7	7344.9	7350.6	7344.9	7327.7	7299.4	7260.3	7210.8	7148.7	7067.0
-37.5°	7110.3	7141.3	7159.9	7166.2	7159.9	7141.3	7110.3	7067.5	7013.3	6948.2	6860.3
-40°	6886.1	6919.3	6939.3	6946.0	6939.3	6919.3	6886.1	6840.2	6781.9	6711.6	6622.0
-42.5°	6625.8	6660.4	6681.3	6688.3	6681.3	6660.4	6625.8	6577.7	6516.6	6442.9	6351.1
-45°	6328.0	6365.0	6387.3	6394.7	6387.3	6365.0	6328.0	6276.7	6211.3	6132.4	6038.4
-47.5°	5982.6	6021.7	6045.3	6053.2	6045.3	6021.7	5982.6	5928.2	5858.8	5774.9	5677.0
-50°	5588.6	5627.6	5651.1	5658.9	5651.1	5627.6	5588.6	5534.4	5465.2	5381.4	5283.4
-52.5°	5159.2	5198.7	5222.5	5230.4	5222.5	5198.7	5159.2	5104.2	5034.0	4948.8	4849.2
-55°	4683.9	4723.8	4747.9	4755.9	4747.9	4723.8	4683.9	4628.2	4557.0	4470.7	4369.6
-57.5°	4156.0	4197.1	4221.8	4230.1	4221.8	4197.1	4156.0	4098.7	4025.5	3936.5	3832.3
-60°	3565.8	3604.7	3628.2	3636.0	3628.2	3604.7	3565.8	3511.4	3441.9	3357.4	3258.4
-62.5°	2953.3	2987.4	3007.9	3014.7	3007.9	2987.4	2953.3	2905.7	2844.8	2770.8	2684.0
-65°	2364.7	2391.0	2406.8	2412.1	2406.8	2391.0	2364.7	2328.0	2281.0	2223.8	2156.6
-67.5°	1860.5	1878.6	1889.5	1893.1	1889.5	1878.6	1860.5	1835.3	1803.0	1763.7	1717.6
-70°	1468.1	1481.4	1489.3	1492.0	1489.3	1481.4	1468.1	1449.6	1425.9	1397.1	1363.2
-72.5°	1141.0	1150.1	1155.6	1157.4	1155.6	1150.1	1141.0	1128.4	1112.1	1092.4	1069.1
-75°	882.2	888.1	891.6	892.8	891.6	888.1	882.2	874.0	863.5	850.7	835.7
-77.5°	683.7	688.0	690.5	691.4	690.5	688.0	683.7	677.7	670.0	660.7	649.7
-80°	507.4	510.9	513.1	513.8	513.1	510.9	507.4	502.4	496.0	488.2	479.0
-82.5°	323.4	325.9	327.3	327.8	327.3	325.9	323.4	320.1	315.7	310.4	304.2
-85°	156.8	157.9	158.6	158.8	158.6	157.9	156.8	155.3	153.3	150.9	148.0
-87.5°	42.3	42.5	42.7	42.7	42.7	42.5	42.3	42.1	41.7	41.2	40.7
-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: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-735-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°	40.1	39.4	38.7	37.9	37.0	36.0	35.0	33.9	32.7	31.5	30.2
85°	144.8	141.1	137.0	132.5	127.6	122.4	116.7	110.7	104.4	97.7	90.7
82.5°	297.1	289.0	280.1	270.2	259.6	248.0	235.7	222.6	208.7	194.1	178.8
80°	468.5	456.7	443.5	429.0	413.3	396.4	378.2	358.9	338.5	318.0	297.6
77.5°	637.1	622.8	607.0	589.7	570.9	550.6	528.9	505.4	479.9	453.0	424.8
75°	818.4	798.9	777.3	753.6	727.9	700.1	673.0	645.2	615.8	584.9	552.5
72.5°	1042.4	1012.4	979.1	942.5	902.8	867.9	833.2	796.3	757.3	716.3	675.5
70°	1324.3	1280.6	1232.0	1178.9	1128.8	1079.7	1027.2	971.6	912.8	861.0	811.9
67.5°	1664.6	1605.1	1539.1	1471.0	1405.6	1335.3	1260.3	1180.7	1109.4	1039.7	966.9
65°	2079.7	1993.2	1897.5	1815.5	1727.7	1633.4	1532.8	1437.1	1343.4	1245.1	1145.5
62.5°	2584.5	2472.8	2357.9	2241.5	2115.5	1980.2	1849.0	1731.0	1606.7	1479.1	1365.8
60°	3145.0	3017.8	2881.2	2732.1	2570.9	2400.0	2241.5	2073.8	1897.5	1753.8	1605.1
57.5°	3713.1	3576.9	3422.5	3254.0	3072.0	2881.2	2680.2	2467.8	2267.8	2066.9	1865.7
55°	4254.2	4111.2	3950.0	3774.3	3582.3	3370.2	3145.0	2910.6	2668.7	2416.2	2189.4
52.5°	4733.4	4592.6	4437.4	4268.4	4067.7	3848.0	3614.1	3357.4	3088.5	2814.2	2531.8
50°	5165.6	5027.6	4875.7	4705.7	4509.0	4299.1	4057.1	3793.1	3511.4	3210.7	2902.4
47.5°	5557.5	5422.5	5274.2	5100.7	4909.4	4700.2	4461.7	4208.8	3913.3	3604.7	3272.2
45°	5917.7	5783.4	5634.2	5460.9	5275.2	5061.5	4831.1	4571.7	4292.7	3973.9	3636.0
42.5°	6238.1	6112.5	5963.0	5791.7	5604.1	5393.0	5164.5	4907.3	4627.1	4320.0	3973.9
40°	6517.0	6400.7	6253.9	6094.7	5905.1	5697.8	5464.6	5216.5	4932.8	4627.1	4292.7
37.5°	6760.7	6645.5	6509.1	6357.2	6175.9	5974.1	5742.9	5488.6	5216.5	4907.3	4571.7
35°	6975.2	6861.8	6733.3	6582.8	6416.6	6216.9	5997.2	5742.9	5464.6	5164.5	4831.1
32.5°	7159.4	7050.5	6930.7	6783.7	6620.2	6434.8	6216.9	5974.1	5697.8	5393.0	5061.5
30°	7311.4	7213.4	7096.6	6962.8	6800.7	6620.2	6416.6	6175.9	5905.1	5604.1	5275.2
27.5°	7442.5	7352.7	7240.3	7112.2	6962.8	6783.7	6582.8	6357.2	6094.7	5791.7	5460.9
25°	7552.7	7467.4	7364.7	7240.3	7096.6	6930.7	6733.3	6509.1	6253.9	5963.0	5634.2
22.5°	7643.7	7563.3	7467.4	7352.7	7213.4	7050.5	6861.8	6645.5	6400.7	6112.5	5783.4
20°	7713.6	7643.7	7552.7	7442.5	7311.4	7159.4	6975.2	6760.7	6517.0	6238.1	5917.7
17.5°	7758.4	7704.4	7624.4	7521.6	7393.6	7243.5	7067.0	6860.3	6622.0	6351.1	6038.4
15°	7788.6	7747.8	7677.4	7581.3	7462.1	7317.6	7148.7	6948.2	6711.6	6442.9	6132.4
12.5°	7796.1	7774.9	7722.3	7633.8	7519.1	7377.4	7210.8	7013.3	6781.9	6516.6	6211.3
10°	7800.5	7790.3	7748.2	7668.5	7559.5	7423.4	7260.3	7067.5	6840.2	6577.7	6276.7
7.5°	7797.2	7795.0	7765.1	7696.3	7591.6	7459.8	7299.4	7110.3	6886.1	6625.8	6328.0
5°	7794.7	7798.4	7777.5	7716.5	7615.0	7486.3	7327.7	7141.3	6919.3	6660.4	6365.0
2.5°	7793.2	7800.6	7785.1	7728.9	7629.2	7502.3	7344.9	7159.9	6939.3	6681.3	6387.3
0°	7792.7	7801.3	7787.6	7733.0	7634.0	7507.7	7350.6	7166.2	6946.0	6688.3	6394.7
-2.5°	7793.2	7800.6	7785.1	7728.9	7629.2	7502.3	7344.9	7159.9	6939.3	6681.3	6387.3
-5°	7794.7	7798.4	7777.5	7716.5	7615.0	7486.3	7327.7	7141.3	6919.3	6660.4	6365.0
-7.5°	7797.2	7795.0	7765.1	7696.3	7591.6	7459.8	7299.4	7110.3	6886.1	6625.8	6328.0
-10°	7800.5	7790.3	7748.2	7668.5	7559.5	7423.4	7260.3	7067.5	6840.2	6577.7	6276.7
-12.5°	7796.1	7774.9	7722.3	7633.8	7519.1	7377.4	7210.8	7013.3	6781.9	6516.6	6211.3
-15°	7788.6	7747.8	7677.4	7581.3	7462.1	7317.6	7148.7	6948.2	6711.6	6442.9	6132.4
-17.5°	7758.4	7704.4	7624.4	7521.6	7393.6	7243.5	7067.0	6860.3	6622.0	6351.1	6038.4
-20°	7713.6	7643.7	7552.7	7442.5	7311.4	7159.4	6975.2	6760.7	6517.0	6238.1	5917.7

Classified

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REPORT NUMBER: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7643.7	7563.3	7467.4	7352.7	7213.4	7050.5	6861.8	6645.5	6400.7	6112.5	5783.4
-25°	7552.7	7467.4	7364.7	7240.3	7096.6	6930.7	6733.3	6509.1	6253.9	5963.0	5634.2
-27.5°	7442.5	7352.7	7240.3	7112.2	6962.8	6783.7	6582.8	6357.2	6094.7	5791.7	5460.9
-30°	7311.4	7213.4	7096.6	6962.8	6800.7	6620.2	6416.6	6175.9	5905.1	5604.1	5275.2
-32.5°	7159.4	7050.5	6930.7	6783.7	6620.2	6434.8	6216.9	5974.1	5697.8	5393.0	5061.5
-35°	6975.2	6861.8	6733.3	6582.8	6416.6	6216.9	5997.2	5742.9	5464.6	5164.5	4831.1
-37.5°	6760.7	6645.5	6509.1	6357.2	6175.9	5974.1	5742.9	5488.6	5216.5	4907.3	4571.7
-40°	6517.0	6400.7	6253.9	6094.7	5905.1	5697.8	5464.6	5216.5	4932.8	4627.1	4292.7
-42.5°	6238.1	6112.5	5963.0	5791.7	5604.1	5393.0	5164.5	4907.3	4627.1	4320.0	3973.9
-45°	5917.7	5783.4	5634.2	5460.9	5275.2	5061.5	4831.1	4571.7	4292.7	3973.9	3636.0
-47.5°	5557.5	5422.5	5274.2	5100.7	4909.4	4700.2	4461.7	4208.8	3913.3	3604.7	3272.2
-50°	5165.6	5027.6	4875.7	4705.7	4509.0	4299.1	4057.1	3793.1	3511.4	3210.7	2902.4
-52.5°	4733.4	4592.6	4437.4	4268.4	4067.7	3848.0	3614.1	3357.4	3088.5	2814.2	2531.8
-55°	4254.2	4111.2	3950.0	3774.3	3582.3	3370.2	3145.0	2910.6	2668.7	2416.2	2189.4
-57.5°	3713.1	3576.9	3422.5	3254.0	3072.0	2881.2	2680.2	2467.8	2267.8	2066.9	1865.7
-60°	3145.0	3017.8	2881.2	2732.1	2570.9	2400.0	2241.5	2073.8	1897.5	1753.8	1605.1
-62.5°	2584.5	2472.8	2357.9	2241.5	2115.5	1980.2	1849.0	1731.0	1606.7	1479.1	1365.8
-65°	2079.7	1993.2	1897.5	1815.5	1727.7	1633.4	1532.8	1437.1	1343.4	1245.1	1145.5
-67.5°	1664.6	1605.1	1539.1	1471.0	1405.6	1335.3	1260.3	1180.7	1109.4	1039.7	966.9
-70°	1324.3	1280.6	1232.0	1178.9	1128.8	1079.7	1027.2	971.6	912.8	861.0	811.9
-72.5°	1042.4	1012.4	979.1	942.5	902.8	867.9	833.2	796.3	757.3	716.3	675.5
-75°	818.4	798.9	777.3	753.6	727.9	700.1	673.0	645.2	615.8	584.9	552.5
-77.5°	637.1	622.8	607.0	589.7	570.9	550.6	528.9	505.4	479.9	453.0	424.8
-80°	468.5	456.7	443.5	429.0	413.3	396.4	378.2	358.9	338.5	318.0	297.6
-82.5°	297.1	289.0	280.1	270.2	259.6	248.0	235.7	222.6	208.7	194.1	178.8
-85°	144.8	141.1	137.0	132.5	127.6	122.4	116.7	110.7	104.4	97.7	90.7
-87.5°	40.1	39.4	38.7	37.9	37.0	36.0	35.0	33.9	32.7	31.5	30.2
-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: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-735-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°	28.8	27.4	26.0	24.5	22.9	21.3	19.7	18.0	16.3	14.6	12.8
85°	83.4	75.7	67.8	59.7	51.2	42.7	39.4	36.1	32.6	29.2	25.7
82.5°	162.8	150.1	138.2	126.0	113.4	100.4	87.1	73.5	59.6	45.4	38.4
80°	276.2	254.0	231.0	207.2	182.7	157.9	140.2	122.0	103.5	84.7	65.6
77.5°	395.4	364.8	333.1	302.9	272.2	240.8	208.5	175.6	147.2	123.8	99.9
75°	518.8	482.3	444.3	405.0	364.5	323.4	284.8	245.3	205.1	164.1	133.9
72.5°	636.1	595.1	552.7	508.7	461.6	413.2	363.6	314.4	267.5	219.9	171.5
70°	760.7	707.5	657.1	607.1	555.7	502.4	445.8	388.1	329.3	274.9	219.9
67.5°	891.5	831.6	769.7	705.9	646.3	587.0	526.4	462.3	396.3	329.3	267.5
65°	1061.1	973.5	885.4	814.5	741.7	670.0	602.8	534.3	462.3	388.1	314.4
62.5°	1248.0	1132.6	1033.1	930.7	841.6	759.8	677.9	602.8	526.4	445.8	363.6
60°	1457.5	1324.3	1187.0	1069.1	954.6	850.7	759.8	670.0	587.0	502.4	413.2
57.5°	1698.0	1524.8	1370.5	1217.6	1081.2	954.6	841.6	741.7	646.3	555.7	461.6
55°	1955.2	1754.3	1562.1	1385.9	1217.6	1069.1	930.7	814.5	705.9	607.1	508.7
52.5°	2263.6	2004.3	1773.1	1562.1	1370.5	1187.0	1033.1	885.4	769.7	657.1	552.7
50°	2590.1	2288.5	2004.3	1754.3	1524.8	1324.3	1132.6	973.5	831.6	707.5	595.1
47.5°	2931.9	2590.1	2263.6	1955.2	1698.0	1457.5	1248.0	1061.1	891.5	760.7	636.1
45°	3272.2	2902.4	2531.8	2189.4	1865.7	1605.1	1365.8	1145.5	966.9	811.9	675.5
42.5°	3604.7	3210.7	2814.2	2416.2	2066.9	1753.8	1479.1	1245.1	1039.7	861.0	716.3
40°	3913.3	3511.4	3088.5	2668.7	2267.8	1897.5	1606.7	1343.4	1109.4	912.8	757.3
37.5°	4208.8	3793.1	3357.4	2910.6	2467.8	2073.8	1731.0	1437.1	1180.7	971.6	796.3
35°	4461.7	4057.1	3614.1	3145.0	2680.2	2241.5	1849.0	1532.8	1260.3	1027.2	833.2
32.5°	4700.2	4299.1	3848.0	3370.2	2881.2	2400.0	1980.2	1633.4	1335.3	1079.7	867.9
30°	4909.4	4509.0	4067.7	3582.3	3072.0	2570.9	2115.5	1727.7	1405.6	1128.8	902.8
27.5°	5100.7	4705.7	4268.4	3774.3	3254.0	2732.1	2241.5	1815.5	1471.0	1178.9	942.5
25°	5274.2	4875.7	4437.4	3950.0	3422.5	2881.2	2357.9	1897.5	1539.1	1232.0	979.1
22.5°	5422.5	5027.6	4592.6	4111.2	3576.9	3017.8	2472.8	1993.2	1605.1	1280.6	1012.4
20°	5557.5	5165.6	4733.4	4254.2	3713.1	3145.0	2584.5	2079.7	1664.6	1324.3	1042.4
17.5°	5677.0	5283.4	4849.2	4369.6	3832.3	3258.4	2684.0	2156.6	1717.6	1363.2	1069.1
15°	5774.9	5381.4	4948.8	4470.7	3936.5	3357.4	2770.8	2223.8	1763.7	1397.1	1092.4
12.5°	5858.8	5465.2	5034.0	4557.0	4025.5	3441.9	2844.8	2281.0	1803.0	1425.9	1112.1
10°	5928.2	5534.4	5104.2	4628.2	4098.7	3511.4	2905.7	2328.0	1835.3	1449.6	1128.4
7.5°	5982.6	5588.6	5159.2	4683.9	4156.0	3565.8	2953.3	2364.7	1860.5	1468.1	1141.0
5°	6021.7	5627.6	5198.7	4723.8	4197.1	3604.7	2987.4	2391.0	1878.6	1481.4	1150.1
2.5°	6045.3	5651.1	5222.5	4747.9	4221.8	3628.2	3007.9	2406.8	1889.5	1489.3	1155.6
0°	6053.2	5658.9	5230.4	4755.9	4230.1	3636.0	3014.7	2412.1	1893.1	1492.0	1157.4
-2.5°	6045.3	5651.1	5222.5	4747.9	4221.8	3628.2	3007.9	2406.8	1889.5	1489.3	1155.6
-5°	6021.7	5627.6	5198.7	4723.8	4197.1	3604.7	2987.4	2391.0	1878.6	1481.4	1150.1
-7.5°	5982.6	5588.6	5159.2	4683.9	4156.0	3565.8	2953.3	2364.7	1860.5	1468.1	1141.0
-10°	5928.2	5534.4	5104.2	4628.2	4098.7	3511.4	2905.7	2328.0	1835.3	1449.6	1128.4
-12.5°	5858.8	5465.2	5034.0	4557.0	4025.5	3441.9	2844.8	2281.0	1803.0	1425.9	1112.1
-15°	5774.9	5381.4	4948.8	4470.7	3936.5	3357.4	2770.8	2223.8	1763.7	1397.1	1092.4
-17.5°	5677.0	5283.4	4849.2	4369.6	3832.3	3258.4	2684.0	2156.6	1717.6	1363.2	1069.1
-20°	5557.5	5165.6	4733.4	4254.2	3713.1	3145.0	2584.5	2079.7	1664.6	1324.3	1042.4

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REPORT NUMBER: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	5422.5	5027.6	4592.6	4111.2	3576.9	3017.8	2472.8	1993.2	1605.1	1280.6	1012.4
-25°	5274.2	4875.7	4437.4	3950.0	3422.5	2881.2	2357.9	1897.5	1539.1	1232.0	979.1
-27.5°	5100.7	4705.7	4268.4	3774.3	3254.0	2732.1	2241.5	1815.5	1471.0	1178.9	942.5
-30°	4909.4	4509.0	4067.7	3582.3	3072.0	2570.9	2115.5	1727.7	1405.6	1128.8	902.8
-32.5°	4700.2	4299.1	3848.0	3370.2	2881.2	2400.0	1980.2	1633.4	1335.3	1079.7	867.9
-35°	4461.7	4057.1	3614.1	3145.0	2680.2	2241.5	1849.0	1532.8	1260.3	1027.2	833.2
-37.5°	4208.8	3793.1	3357.4	2910.6	2467.8	2073.8	1731.0	1437.1	1180.7	971.6	796.3
-40°	3913.3	3511.4	3088.5	2668.7	2267.8	1897.5	1606.7	1343.4	1109.4	912.8	757.3
-42.5°	3604.7	3210.7	2814.2	2416.2	2066.9	1753.8	1479.1	1245.1	1039.7	861.0	716.3
-45°	3272.2	2902.4	2531.8	2189.4	1865.7	1605.1	1365.8	1145.5	966.9	811.9	675.5
-47.5°	2931.9	2590.1	2263.6	1955.2	1698.0	1457.5	1248.0	1061.1	891.5	760.7	636.1
-50°	2590.1	2288.5	2004.3	1754.3	1524.8	1324.3	1132.6	973.5	831.6	707.5	595.1
-52.5°	2263.6	2004.3	1773.1	1562.1	1370.5	1187.0	1033.1	885.4	769.7	657.1	552.7
-55°	1955.2	1754.3	1562.1	1385.9	1217.6	1069.1	930.7	814.5	705.9	607.1	508.7
-57.5°	1698.0	1524.8	1370.5	1217.6	1081.2	954.6	841.6	741.7	646.3	555.7	461.6
-60°	1457.5	1324.3	1187.0	1069.1	954.6	850.7	759.8	670.0	587.0	502.4	413.2
-62.5°	1248.0	1132.6	1033.1	930.7	841.6	759.8	677.9	602.8	526.4	445.8	363.6
-65°	1061.1	973.5	885.4	814.5	741.7	670.0	602.8	534.3	462.3	388.1	314.4
-67.5°	891.5	831.6	769.7	705.9	646.3	587.0	526.4	462.3	396.3	329.3	267.5
-70°	760.7	707.5	657.1	607.1	555.7	502.4	445.8	388.1	329.3	274.9	219.9
-72.5°	636.1	595.1	552.7	508.7	461.6	413.2	363.6	314.4	267.5	219.9	171.5
-75°	518.8	482.3	444.3	405.0	364.5	323.4	284.8	245.3	205.1	164.1	133.9
-77.5°	395.4	364.8	333.1	302.9	272.2	240.8	208.5	175.6	147.2	123.8	99.9
-80°	276.2	254.0	231.0	207.2	182.7	157.9	140.2	122.0	103.5	84.7	65.6
-82.5°	162.8	150.1	138.2	126.0	113.4	100.4	87.1	73.5	59.6	45.4	38.4
-85°	83.4	75.7	67.8	59.7	51.2	42.7	39.4	36.1	32.6	29.2	25.7
-87.5°	28.8	27.4	26.0	24.5	22.9	21.3	19.7	18.0	16.3	14.6	12.8
-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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REPORT NUMBER: P645446 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	11.0	9.2	7.4	5.6	3.7	1.9	0.0
85°	22.1	18.5	14.8	11.1	7.4	3.7	0.0
82.5°	33.1	27.7	22.2	16.7	11.1	5.6	0.0
80°	46.2	36.8	29.5	22.2	14.8	7.4	0.0
77.5°	75.7	51.3	36.8	27.7	18.5	9.2	0.0
75°	105.0	75.7	46.2	33.1	22.1	11.0	0.0
72.5°	133.9	99.9	65.6	38.4	25.7	12.8	0.0
70°	164.1	123.8	84.7	45.4	29.2	14.6	0.0
67.5°	205.1	147.2	103.5	59.6	32.6	16.3	0.0
65°	245.3	175.6	122.0	73.5	36.1	18.0	0.0
62.5°	284.8	208.5	140.2	87.1	39.4	19.7	0.0
60°	323.4	240.8	157.9	100.4	42.7	21.3	0.0
57.5°	364.5	272.2	182.7	113.4	51.2	22.9	0.0
55°	405.0	302.9	207.2	126.0	59.7	24.5	0.0
52.5°	444.3	333.1	231.0	138.2	67.8	26.0	0.0
50°	482.3	364.8	254.0	150.1	75.7	27.4	0.0
47.5°	518.8	395.4	276.2	162.8	83.4	28.8	0.0
45°	552.5	424.8	297.6	178.8	90.7	30.2	0.0
42.5°	584.9	453.0	318.0	194.1	97.7	31.5	0.0
40°	615.8	479.9	338.5	208.7	104.4	32.7	0.0
37.5°	645.2	505.4	358.9	222.6	110.7	33.9	0.0
35°	673.0	528.9	378.2	235.7	116.7	35.0	0.0
32.5°	700.1	550.6	396.4	248.0	122.4	36.0	0.0
30°	727.9	570.9	413.3	259.6	127.6	37.0	0.0
27.5°	753.6	589.7	429.0	270.2	132.5	37.9	0.0
25°	777.3	607.0	443.5	280.1	137.0	38.7	0.0
22.5°	798.9	622.8	456.7	289.0	141.1	39.4	0.0
20°	818.4	637.1	468.5	297.1	144.8	40.1	0.0
17.5°	835.7	649.7	479.0	304.2	148.0	40.7	0.0
15°	850.7	660.7	488.2	310.4	150.9	41.2	0.0
12.5°	863.5	670.0	496.0	315.7	153.3	41.7	0.0
10°	874.0	677.7	502.4	320.1	155.3	42.1	0.0
7.5°	882.2	683.7	507.4	323.4	156.8	42.3	0.0
5°	888.1	688.0	510.9	325.9	157.9	42.5	0.0
2.5°	891.6	690.5	513.1	327.3	158.6	42.7	0.0
0°	892.8	691.4	513.8	327.8	158.8	42.7	0.0
-2.5°	891.6	690.5	513.1	327.3	158.6	42.7	0.0
-5°	888.1	688.0	510.9	325.9	157.9	42.5	0.0
-7.5°	882.2	683.7	507.4	323.4	156.8	42.3	0.0
-10°	874.0	677.7	502.4	320.1	155.3	42.1	0.0
-12.5°	863.5	670.0	496.0	315.7	153.3	41.7	0.0
-15°	850.7	660.7	488.2	310.4	150.9	41.2	0.0
-17.5°	835.7	649.7	479.0	304.2	148.0	40.7	0.0
-20°	818.4	637.1	468.5	297.1	144.8	40.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	798.9	622.8	456.7	289.0	141.1	39.4	0.0
-25°	777.3	607.0	443.5	280.1	137.0	38.7	0.0
-27.5°	753.6	589.7	429.0	270.2	132.5	37.9	0.0
-30°	727.9	570.9	413.3	259.6	127.6	37.0	0.0
-32.5°	700.1	550.6	396.4	248.0	122.4	36.0	0.0
-35°	673.0	528.9	378.2	235.7	116.7	35.0	0.0
-37.5°	645.2	505.4	358.9	222.6	110.7	33.9	0.0
-40°	615.8	479.9	338.5	208.7	104.4	32.7	0.0
-42.5°	584.9	453.0	318.0	194.1	97.7	31.5	0.0
-45°	552.5	424.8	297.6	178.8	90.7	30.2	0.0
-47.5°	518.8	395.4	276.2	162.8	83.4	28.8	0.0
-50°	482.3	364.8	254.0	150.1	75.7	27.4	0.0
-52.5°	444.3	333.1	231.0	138.2	67.8	26.0	0.0
-55°	405.0	302.9	207.2	126.0	59.7	24.5	0.0
-57.5°	364.5	272.2	182.7	113.4	51.2	22.9	0.0
-60°	323.4	240.8	157.9	100.4	42.7	21.3	0.0
-62.5°	284.8	208.5	140.2	87.1	39.4	19.7	0.0
-65°	245.3	175.6	122.0	73.5	36.1	18.0	0.0
-67.5°	205.1	147.2	103.5	59.6	32.6	16.3	0.0
-70°	164.1	123.8	84.7	45.4	29.2	14.6	0.0
-72.5°	133.9	99.9	65.6	38.4	25.7	12.8	0.0
-75°	105.0	75.7	46.2	33.1	22.1	11.0	0.0
-77.5°	75.7	51.3	36.8	27.7	18.5	9.2	0.0
-80°	46.2	36.8	29.5	22.2	14.8	7.4	0.0
-82.5°	33.1	27.7	22.2	16.7	11.1	5.6	0.0
-85°	22.1	18.5	14.8	11.1	7.4	3.7	0.0
-87.5°	11.0	9.2	7.4	5.6	3.7	1.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)