

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: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1A-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1A-735-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1985.9 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')

NEMA Type: 7H x 7V
Max Intensity: 846.9 candela
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V
Beam Lumens: 1553.7 lumens
Beam Efficiency: 78.2%

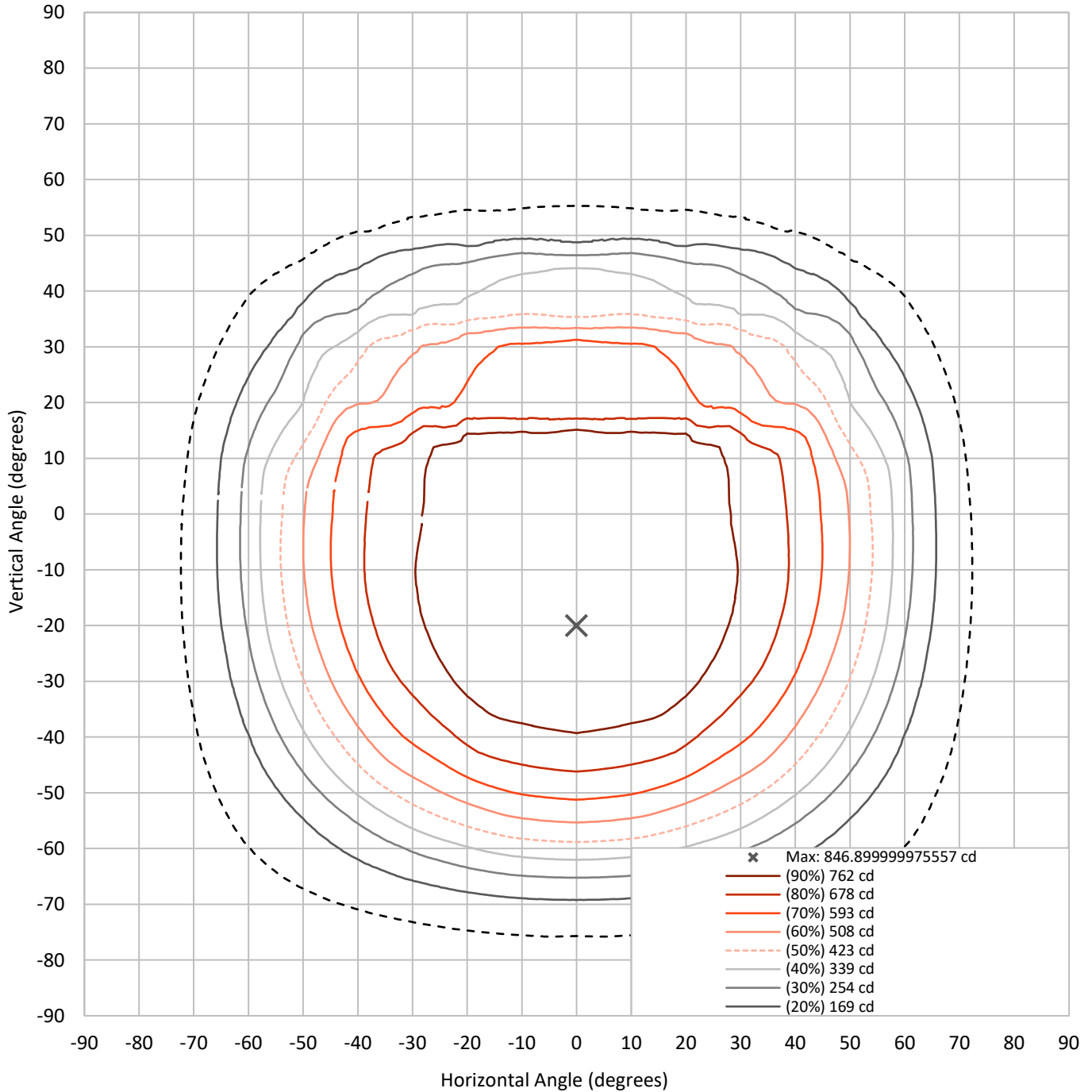
Field Angle (10%): 144°H x 131.2°V
Field Lumens: 1946.4 lumens
Field Efficiency: 98.0%

Input Watts (W): 18.1
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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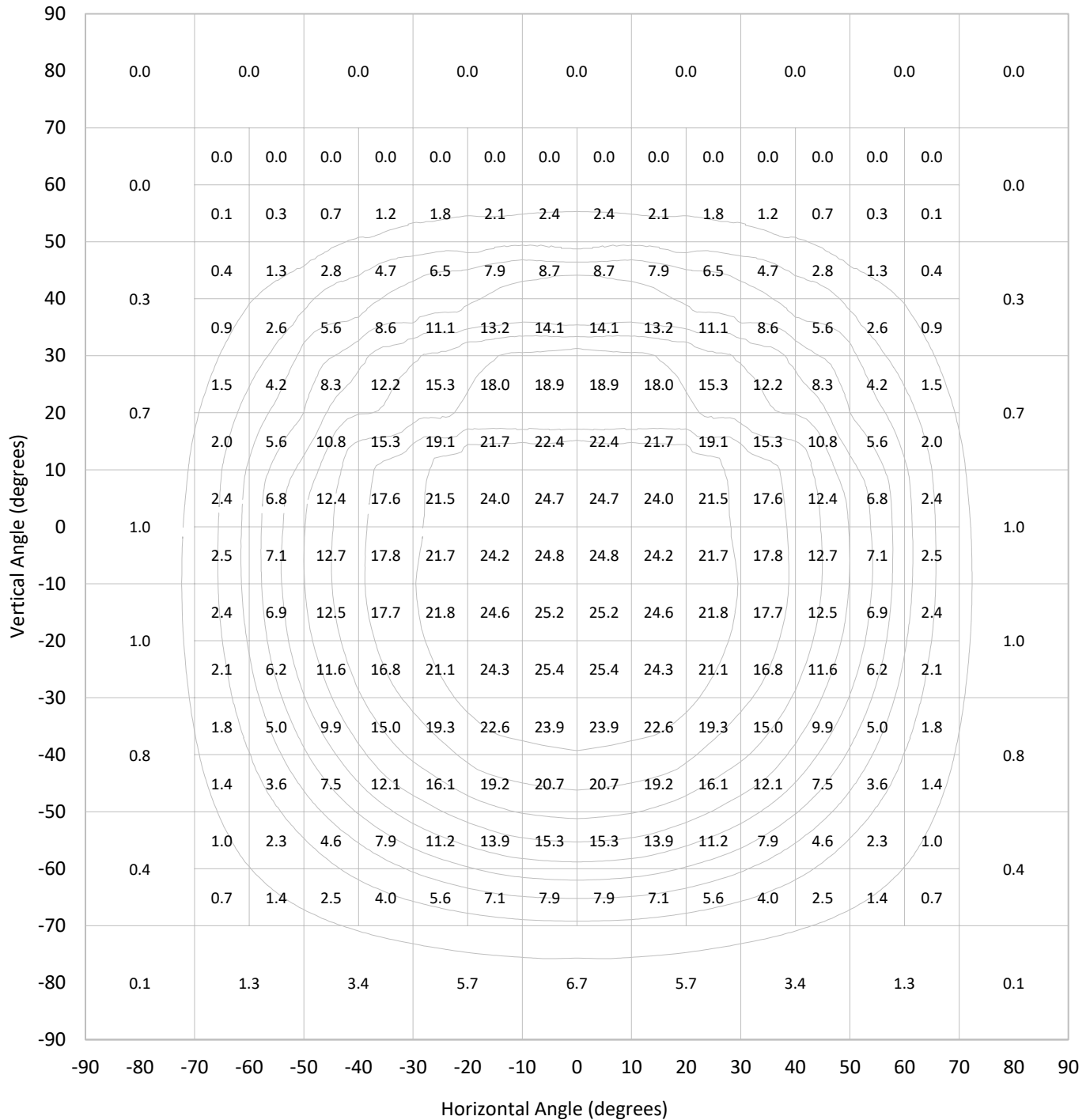
Iso-Candela Plot





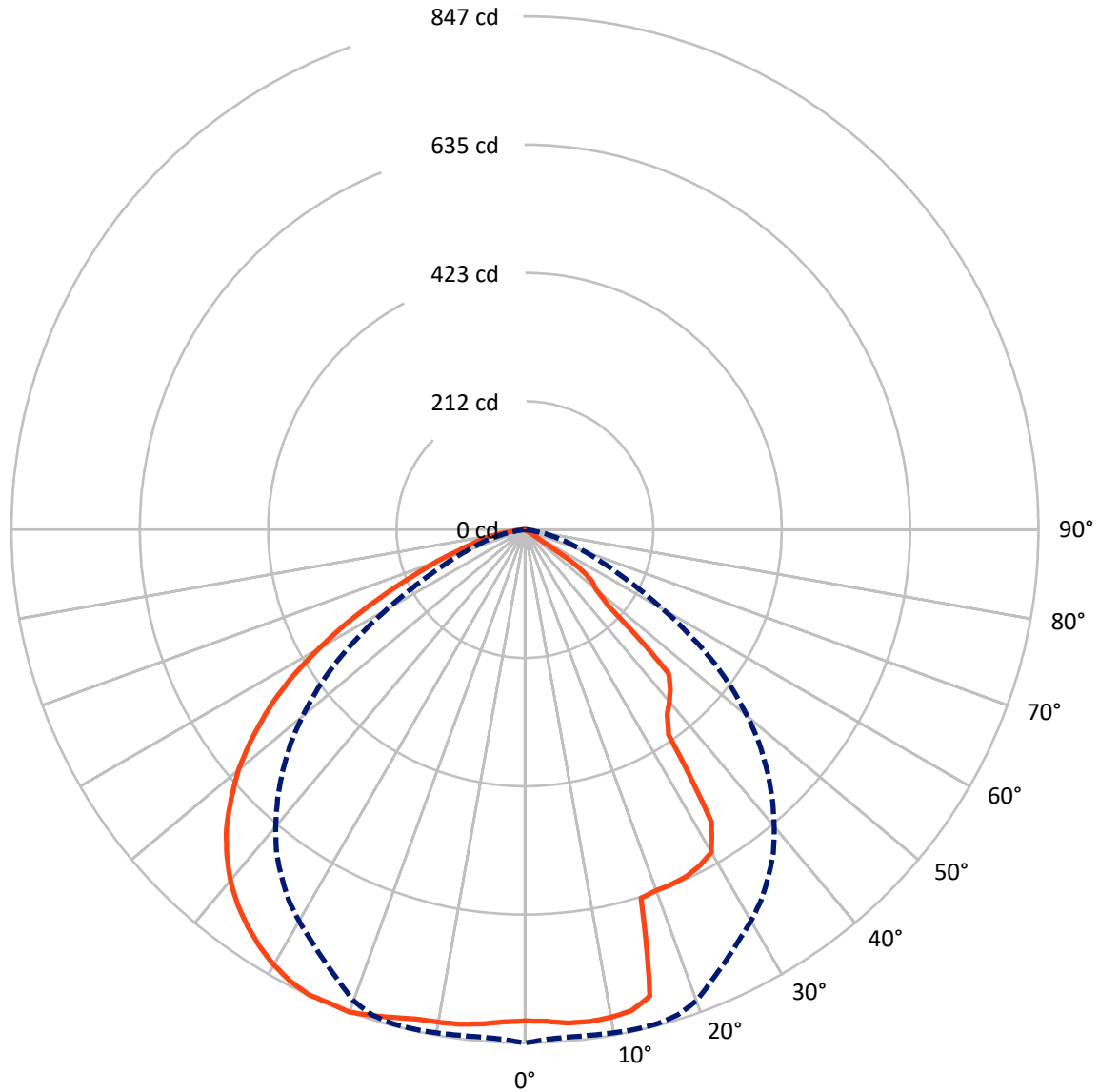
REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table



REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
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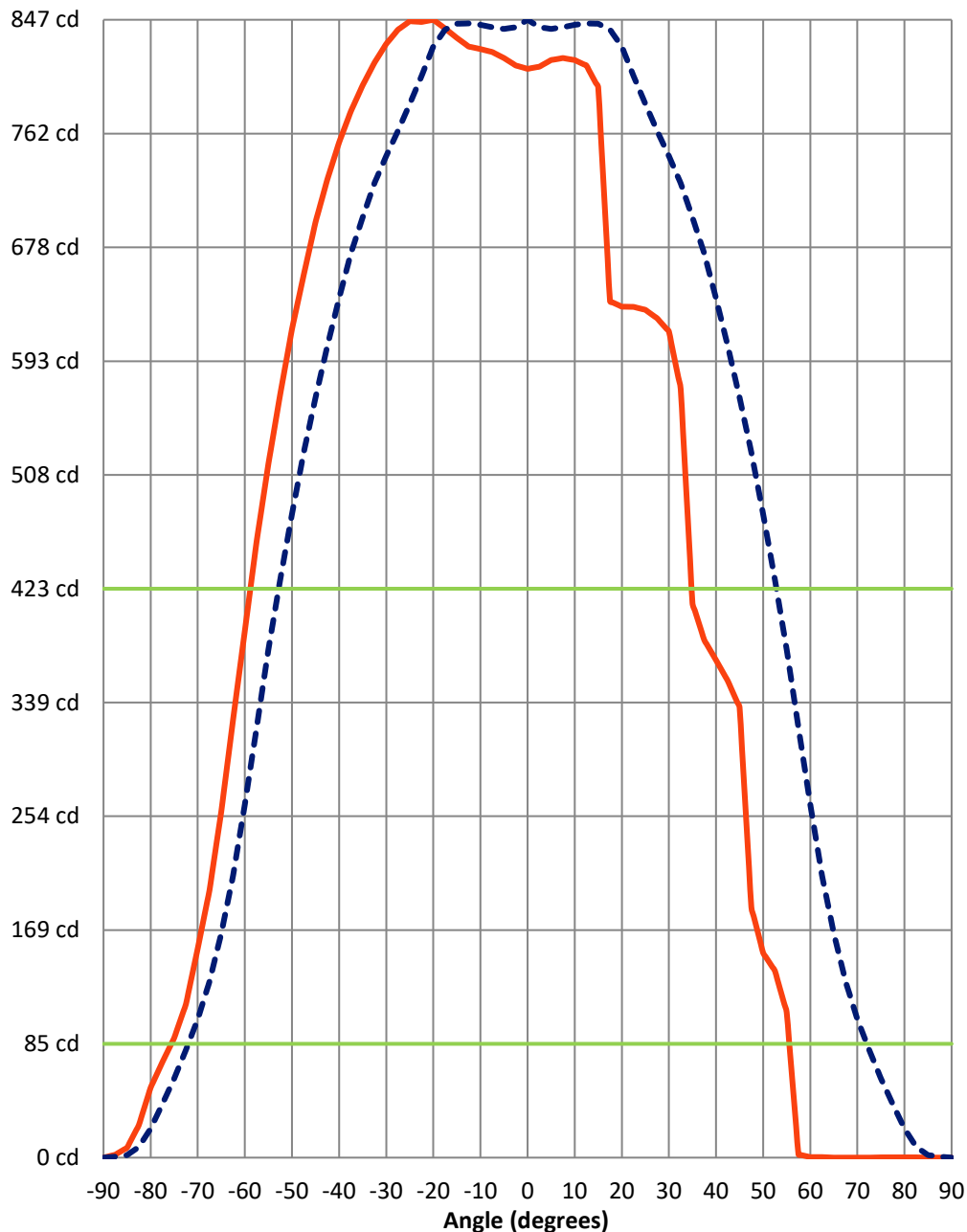
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 1553.7
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 1946.4
 Efficiency: 98.0%

Spill:
 Lumens: 39.5
 Efficiency: 2.0%

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

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Scaled Data Report



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2
80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2
77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2
75°	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2
72.5°	0.0	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2
70°	0.0	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
67.5°	0.0	0.2	0.3	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.4
65°	0.0	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.7
62.5°	0.0	0.2	0.4	0.4	0.5	0.6	0.6	0.5	0.7	1.0	1.6
60°	0.0	0.2	0.4	0.4	0.5	0.7	0.7	0.7	0.9	2.5	2.8
57.5°	0.0	0.2	0.4	0.5	0.6	0.9	1.3	1.0	2.5	4.3	5.0
55°	0.0	0.3	0.4	0.5	0.8	1.0	2.0	1.6	4.6	6.6	8.0
52.5°	0.0	0.3	0.5	0.5	0.9	1.3	2.8	4.0	6.8	10.3	11.6
50°	0.0	0.3	0.5	0.5	1.1	2.3	3.8	6.7	9.8	14.5	18.2
47.5°	0.0	0.3	0.5	0.5	1.3	3.3	5.1	9.5	14.1	19.1	24.8
45°	0.0	0.3	0.5	0.7	1.5	4.3	7.7	12.5	18.9	24.9	31.3
42.5°	0.0	0.3	0.5	0.8	1.6	5.4	10.4	16.3	23.8	30.5	38.8
40°	0.0	0.4	0.5	1.0	2.2	6.6	13.1	20.7	28.9	36.0	46.8
37.5°	0.0	0.4	0.6	1.2	3.1	7.9	15.9	25.0	34.2	42.7	55.2
35°	0.0	0.4	0.6	1.5	4.1	9.8	18.8	29.3	39.6	50.9	65.1
32.5°	0.0	0.4	0.6	1.7	5.1	12.0	21.8	33.7	45.1	59.1	77.1
30°	0.0	0.4	0.6	2.0	6.0	14.3	25.3	38.0	50.6	67.3	88.6
27.5°	0.0	0.4	0.7	2.3	7.2	16.5	28.8	42.5	56.6	75.5	99.7
25°	0.0	0.4	0.7	2.7	8.5	18.6	32.1	47.0	63.5	84.5	110.2
22.5°	0.0	0.4	0.7	3.0	9.7	20.8	35.4	51.4	70.2	93.5	120.8
20°	0.0	0.5	0.7	3.3	10.9	23.2	38.5	55.8	76.7	102.0	131.2
17.5°	0.0	0.5	0.8	3.7	12.1	25.5	41.6	59.9	83.0	109.9	141.2
15°	0.0	0.5	0.8	4.1	13.3	27.7	44.6	63.8	89.1	117.3	150.9
12.5°	0.0	0.5	0.8	4.4	14.4	29.8	47.4	67.3	93.9	124.2	160.1
10°	0.0	0.5	0.8	4.8	15.5	31.7	50.0	70.5	97.5	128.3	167.6
7.5°	0.0	0.5	0.8	5.1	16.6	33.6	52.4	73.5	100.6	131.5	171.9
5°	0.0	0.5	0.9	5.4	17.5	35.3	54.6	76.1	103.2	134.0	175.5
2.5°	0.0	0.5	0.9	5.7	18.4	36.8	56.5	78.5	105.3	136.0	178.2
0°	0.0	0.5	0.9	6.0	19.2	38.2	58.2	80.5	106.9	137.4	180.1
-2.5°	0.0	0.5	1.0	6.4	19.9	39.1	59.1	81.7	107.5	139.2	181.3
-5°	0.0	0.6	1.2	6.7	20.5	39.7	59.7	82.6	107.7	140.3	181.7
-7.5°	0.0	0.6	1.3	7.1	21.0	40.2	60.1	83.1	107.5	140.8	181.3
-10°	0.0	0.6	1.5	7.3	21.4	40.5	60.3	83.3	107.1	140.6	180.1
-12.5°	0.0	0.6	1.6	7.6	21.7	40.7	60.3	83.2	106.3	139.4	178.1
-15°	0.0	0.7	1.7	7.7	21.8	40.6	60.0	82.7	105.5	137.2	175.3
-17.5°	0.0	0.7	1.8	7.9	21.8	40.3	59.6	81.7	104.4	134.4	171.6
-20°	0.0	0.7	1.9	8.0	21.6	39.9	58.9	80.3	103.0	131.1	167.0



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 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.7	2.0	8.0	21.3	39.3	57.9	78.5	101.1	127.3	161.5
-25°	0.0	0.7	2.1	7.9	20.8	38.3	56.7	76.6	98.7	123.1	155.2
-27.5°	0.0	0.8	2.1	7.8	20.2	37.2	55.2	74.3	95.9	118.9	149.6
-30°	0.0	0.8	2.2	7.7	19.5	35.8	53.6	71.8	92.9	115.4	143.6
-32.5°	0.0	0.8	2.2	7.5	18.6	34.3	51.7	69.5	89.6	111.4	137.2
-35°	0.0	0.8	2.3	7.2	17.6	32.7	49.6	67.0	86.1	106.8	130.4
-37.5°	0.0	0.8	2.3	6.8	16.5	31.0	47.4	64.3	82.4	101.7	123.6
-40°	0.0	0.8	2.3	6.4	15.3	29.5	45.1	61.3	78.4	96.9	117.0
-42.5°	0.0	0.7	2.3	5.9	14.4	27.9	42.6	58.1	74.5	91.7	109.9
-45°	0.0	0.7	2.3	5.5	13.8	26.2	39.9	54.8	70.5	86.3	102.5
-47.5°	0.0	0.7	2.2	5.0	13.1	24.4	37.0	51.5	66.3	80.6	96.1
-50°	0.0	0.7	2.2	4.8	12.3	22.4	34.6	48.0	61.6	75.3	89.4
-52.5°	0.0	0.7	2.1	4.7	11.4	20.4	32.3	44.4	57.1	69.9	82.5
-55°	0.0	0.6	2.0	4.5	10.3	18.9	29.8	40.7	52.6	64.4	76.4
-57.5°	0.0	0.6	1.9	4.3	9.2	17.4	27.2	37.8	48.0	59.1	70.2
-60°	0.0	0.6	1.8	4.1	8.0	15.7	24.6	34.5	43.3	53.7	64.0
-62.5°	0.0	0.5	1.7	3.8	7.4	13.9	22.2	31.0	39.0	48.2	57.9
-65°	0.0	0.5	1.6	3.5	6.8	11.9	19.7	27.3	34.4	42.6	51.6
-67.5°	0.0	0.5	1.4	3.1	6.1	10.3	17.0	23.7	29.6	36.8	44.9
-70°	0.0	0.4	1.3	2.7	5.3	9.0	14.1	20.0	25.3	30.8	37.7
-72.5°	0.0	0.4	1.2	2.4	4.4	7.7	11.9	16.2	20.9	25.8	30.6
-75°	0.0	0.3	1.0	2.1	3.5	6.2	9.8	13.1	16.5	20.7	24.9
-77.5°	0.0	0.3	0.8	1.7	2.9	4.7	7.5	10.1	12.8	15.8	19.1
-80°	0.0	0.2	0.7	1.4	2.4	3.6	5.1	7.1	9.2	11.5	13.9
-82.5°	0.0	0.2	0.5	1.1	1.8	2.7	3.8	4.6	5.5	7.1	8.8
-85°	0.0	0.1	0.3	0.7	1.2	1.8	2.5	3.0	3.6	4.1	4.7
-87.5°	0.0	0.1	0.2	0.4	0.6	0.9	1.3	1.5	1.8	2.1	2.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
65°	0.4	0.3	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
62.5°	0.6	0.7	0.9	1.5	1.2	0.4	0.6	0.7	0.6	0.4	0.5
60°	1.8	1.2	3.6	5.1	3.2	1.2	1.5	4.7	4.1	0.7	2.5
57.5°	3.7	5.1	9.4	9.6	6.6	4.6	13.3	15.3	11.6	6.7	10.3
55°	8.2	12.5	15.6	14.4	15.7	23.8	28.3	25.4	21.4	32.9	42.0
52.5°	15.9	20.4	21.5	24.6	35.3	40.5	38.8	41.5	53.8	66.9	69.7
50°	23.6	27.2	30.1	43.5	51.8	52.4	56.2	68.4	84.8	92.8	90.9
47.5°	30.9	34.7	48.0	60.9	64.6	69.8	79.4	103.0	120.4	120.7	118.8
45°	38.7	48.8	65.8	74.2	80.3	90.2	113.5	146.0	147.7	152.4	181.5
42.5°	47.0	64.8	79.6	88.3	98.1	116.6	147.7	169.0	176.4	197.1	220.4
40°	60.5	80.2	93.1	104.3	116.9	143.8	177.9	197.9	203.9	221.8	239.3
37.5°	74.1	93.0	107.5	121.0	138.5	174.8	214.3	230.8	233.8	237.0	275.9
35°	87.3	106.2	123.6	141.2	162.6	215.0	249.4	265.0	264.5	286.5	327.3
32.5°	99.6	119.7	140.2	163.8	199.1	252.7	287.2	296.5	310.5	342.7	398.4
30°	111.9	134.7	158.2	186.3	231.1	277.6	317.0	331.9	356.0	392.7	433.2
27.5°	124.6	150.1	178.5	211.5	256.3	299.1	332.7	368.4	391.8	424.7	453.5
25°	137.2	166.4	198.6	233.5	274.4	314.2	349.0	390.2	415.4	441.9	468.8
22.5°	150.4	183.0	219.3	250.9	289.6	327.1	368.5	413.2	445.9	462.8	480.8
20°	164.2	200.9	239.6	274.6	304.6	339.1	388.1	442.4	484.6	503.6	506.1
17.5°	177.8	218.2	259.9	297.8	330.1	360.8	408.7	477.4	529.9	547.5	555.3
15°	191.1	234.9	280.0	320.3	355.8	393.3	444.4	514.3	574.3	593.8	606.2
12.5°	203.9	250.8	299.9	342.1	381.5	423.6	476.9	540.9	595.7	633.4	656.0
10°	216.1	265.8	319.1	363.0	406.9	451.7	503.8	560.7	605.3	641.6	673.8
7.5°	222.3	275.6	335.6	383.0	431.7	477.6	525.8	574.6	612.2	647.9	678.9
5°	226.5	279.6	340.8	389.9	444.9	494.9	541.7	583.8	616.7	652.1	682.4
2.5°	229.5	282.3	344.3	393.7	449.8	500.2	546.3	586.9	620.4	655.1	686.2
0°	231.3	283.5	346.1	396.0	452.9	503.7	549.0	588.0	622.9	656.5	690.0
-2.5°	232.3	287.3	347.3	402.0	455.9	506.7	552.7	590.8	627.3	659.3	692.8
-5°	232.2	289.6	347.0	406.0	457.4	507.9	554.6	592.0	629.6	661.3	694.0
-7.5°	230.9	290.1	345.4	407.3	457.4	507.5	553.7	592.7	629.6	663.2	694.1
-10°	228.6	288.1	343.9	404.0	455.7	505.5	551.2	591.3	628.1	662.8	693.5
-12.5°	226.0	283.8	340.9	399.3	452.1	501.6	547.4	587.9	625.4	660.0	692.1
-15°	222.0	278.2	336.0	393.3	446.7	496.0	542.5	582.4	621.1	655.0	687.9
-17.5°	216.7	271.2	329.0	386.2	439.4	488.7	536.1	575.1	613.7	648.7	680.5
-20°	209.9	263.0	320.0	378.2	430.1	478.9	524.9	565.7	604.0	639.6	673.0

Classified

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Peachtree City, GA 30269

Scaled Data Report



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CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	201.8	253.5	309.1	367.3	418.5	466.8	512.2	553.6	593.3	627.8	663.3
-25°	193.6	243.5	297.0	352.3	405.1	453.2	498.7	539.1	579.6	615.4	649.2
-27.5°	185.8	231.8	283.0	335.7	389.8	437.7	482.8	523.2	562.5	601.7	634.3
-30°	177.1	218.4	267.7	318.0	370.8	419.5	464.9	506.9	544.3	583.0	618.0
-32.5°	167.4	204.1	251.5	299.9	349.7	399.5	444.5	486.1	525.1	561.7	598.4
-35°	157.9	192.5	234.3	280.4	327.3	376.2	421.2	462.4	502.9	539.1	574.2
-37.5°	149.4	180.0	216.1	260.1	304.9	351.1	397.0	436.9	475.4	515.2	549.4
-40°	140.2	166.6	200.3	239.2	281.4	325.4	369.3	410.6	446.8	486.1	523.7
-42.5°	130.6	155.7	184.7	217.0	256.9	298.4	340.7	381.1	418.7	455.9	493.1
-45°	122.1	144.1	168.8	198.4	230.8	269.8	310.0	350.2	386.3	421.7	458.5
-47.5°	113.1	132.5	155.3	178.9	207.1	239.8	277.5	314.6	351.5	385.2	417.8
-50°	104.2	122.0	140.8	162.1	185.3	211.8	243.1	277.6	311.3	345.9	378.2
-52.5°	96.5	111.0	128.0	145.7	165.6	187.5	212.6	241.0	271.6	301.0	333.2
-55°	88.5	101.6	115.3	130.9	147.5	165.9	186.5	210.4	233.8	260.9	287.2
-57.5°	81.2	92.3	103.9	116.8	131.2	146.0	163.9	182.5	203.7	224.9	245.7
-60°	74.3	83.4	93.3	104.2	115.7	128.9	142.3	158.2	175.3	192.2	209.8
-62.5°	67.4	75.0	83.1	92.2	102.2	112.1	123.6	135.9	148.4	162.7	176.7
-65°	60.3	66.4	73.2	80.8	88.8	97.3	106.1	115.1	125.8	136.3	146.4
-67.5°	52.7	57.9	63.5	69.4	76.2	82.8	89.4	97.1	105.0	112.7	120.7
-70°	44.3	49.2	53.9	58.7	63.7	68.9	74.6	80.2	85.7	91.5	98.0
-72.5°	35.8	40.3	44.4	47.9	52.0	56.4	60.5	64.5	68.7	73.0	77.4
-75°	28.5	31.6	35.2	38.5	41.8	44.8	47.5	50.9	54.4	57.6	60.2
-77.5°	22.3	25.0	27.5	29.7	32.3	35.4	38.0	40.3	42.5	45.0	47.5
-80°	16.2	18.4	20.7	22.8	24.3	26.0	28.0	30.4	32.4	34.0	35.5
-82.5°	10.5	12.1	13.8	15.5	16.2	16.6	17.1	17.9	19.1	20.4	21.6
-85°	5.2	5.7	6.7	7.8	8.1	8.4	8.5	8.6	9.1	9.5	9.8
-87.5°	2.6	2.8	3.1	3.3	3.2	3.0	2.8	2.5	2.5	2.4	2.3
-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: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-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°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1
65°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1
62.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4
60°	2.8	1.6	0.9	1.1	1.0	0.6	0.8	1.0	1.1	1.0	0.9
57.5°	15.7	11.7	8.7	20.7	20.8	9.9	11.9	18.8	15.5	5.1	4.7
55°	43.7	52.3	68.9	65.4	66.4	76.4	83.4	73.9	72.4	77.2	89.1
52.5°	78.6	86.7	92.3	97.5	103.8	110.6	117.7	122.1	126.3	130.7	133.3
50°	100.3	111.8	119.7	116.8	133.2	139.9	133.1	139.2	146.6	148.7	149.6
47.5°	148.1	165.0	168.4	179.3	189.0	188.8	180.5	181.0	203.1	222.6	232.1
45°	212.8	213.4	224.1	243.3	257.0	252.7	264.3	290.6	299.4	307.9	314.8
42.5°	238.1	248.5	265.5	282.5	292.7	301.6	310.2	319.9	331.2	340.5	347.9
40°	262.5	270.9	288.3	301.9	310.4	318.8	328.7	339.4	349.9	358.0	363.5
37.5°	300.1	306.6	310.8	323.5	339.6	332.2	351.2	364.8	371.0	379.2	379.9
35°	357.0	352.6	347.0	397.5	400.6	383.5	401.2	422.3	411.2	434.4	446.8
32.5°	407.4	406.7	450.8	477.4	462.1	474.6	515.5	513.7	541.0	553.6	550.0
30°	454.8	471.1	496.6	516.4	519.0	538.7	556.9	572.8	589.3	604.0	605.0
27.5°	479.0	500.1	517.5	528.9	541.7	558.2	574.7	592.7	606.7	615.9	618.2
25°	493.6	515.2	528.3	540.6	554.7	569.0	587.5	607.0	618.3	624.0	625.8
22.5°	506.4	525.9	540.0	550.0	565.2	580.5	597.7	614.2	626.5	629.0	629.9
20°	518.8	537.5	561.1	575.8	575.0	592.3	608.9	622.1	632.3	632.2	632.4
17.5°	554.6	561.3	604.0	636.5	620.4	612.0	657.5	658.4	661.1	655.7	644.1
15°	607.7	619.8	672.3	707.5	696.4	695.8	761.6	745.3	759.4	755.7	771.5
12.5°	663.8	678.2	717.4	752.0	768.4	772.4	794.5	815.1	819.3	817.7	814.5
10°	702.1	722.5	738.3	759.3	775.8	792.8	805.5	820.3	825.2	822.4	818.4
7.5°	707.1	727.3	745.8	764.2	780.0	793.6	806.8	818.9	823.8	822.2	819.5
5°	710.2	728.5	746.5	765.1	780.2	792.9	806.0	818.3	821.2	819.2	816.6
2.5°	712.1	729.1	746.4	765.0	778.7	790.8	804.1	817.1	817.1	816.3	814.7
0°	713.1	730.1	750.2	767.0	782.4	793.8	807.0	819.6	818.7	816.4	813.7
-2.5°	715.1	732.3	752.9	766.8	784.2	794.6	808.2	819.2	818.7	817.6	816.3
-5°	717.0	736.3	755.5	770.2	787.6	801.2	814.7	823.3	823.7	822.2	819.9
-7.5°	718.1	739.5	757.8	772.6	789.4	805.3	819.0	828.0	828.2	826.0	823.4
-10°	717.7	740.4	759.2	774.4	791.7	807.3	821.7	833.1	832.7	830.7	828.4
-12.5°	716.4	739.0	758.3	773.6	793.2	809.3	825.5	836.8	837.4	835.9	833.4
-15°	713.4	736.8	755.5	772.2	791.4	810.3	826.9	839.4	841.6	840.4	838.4
-17.5°	707.5	732.2	752.1	770.0	788.5	808.6	827.5	841.1	844.2	843.7	842.1
-20°	699.7	725.2	745.5	764.3	784.3	805.0	827.0	839.5	843.9	844.2	843.1



REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	691.0	716.0	737.5	756.0	777.7	798.6	818.6	833.2	840.6	842.0	842.1
-25°	680.6	706.2	727.6	747.3	767.5	789.1	809.3	825.6	833.2	836.7	837.9
-27.5°	665.9	692.4	713.4	734.2	754.8	777.2	798.3	816.1	822.2	827.1	829.1
-30°	648.7	674.9	696.3	715.3	738.8	761.6	783.5	799.0	808.2	813.9	817.0
-32.5°	628.9	655.3	677.8	697.6	720.0	742.8	763.3	779.7	792.5	799.0	802.3
-35°	607.4	634.3	657.9	678.8	699.9	721.6	742.9	760.0	774.5	780.2	784.3
-37.5°	581.4	611.2	635.3	656.9	676.9	697.4	719.5	739.1	753.3	758.7	763.1
-40°	554.9	583.6	608.0	631.0	650.8	673.1	694.4	714.9	727.2	733.6	738.5
-42.5°	526.8	552.8	575.9	598.3	620.4	643.3	664.6	685.9	696.5	704.2	710.3
-45°	494.4	518.6	541.1	562.0	584.8	607.3	628.7	647.5	660.1	670.1	677.8
-47.5°	451.3	480.7	503.2	523.2	545.7	567.5	588.1	605.9	619.7	631.4	640.4
-50°	407.4	435.6	461.1	483.4	504.3	524.5	544.2	561.5	576.1	588.8	597.9
-52.5°	364.2	390.7	415.9	439.0	459.1	478.1	496.1	513.6	529.0	542.5	551.3
-55°	315.4	342.8	367.8	389.3	409.4	428.2	445.9	462.5	477.7	491.4	499.9
-57.5°	269.6	293.6	316.9	336.7	355.7	373.6	390.4	406.3	420.9	433.8	442.0
-60°	227.5	245.0	265.0	283.4	300.1	315.4	331.1	345.9	359.3	370.7	378.3
-62.5°	190.3	204.8	219.2	233.2	246.8	260.5	273.7	285.9	297.2	306.5	313.2
-65°	157.1	168.8	179.3	189.1	198.6	209.4	219.4	228.8	237.6	244.7	249.8
-67.5°	129.4	137.6	144.8	151.6	159.1	166.7	173.8	180.1	185.4	189.6	193.0
-70°	104.3	110.3	115.8	121.2	126.7	131.6	136.4	140.9	145.3	148.8	151.5
-72.5°	81.7	85.8	89.5	93.7	97.7	101.4	104.7	107.3	109.4	111.4	113.1
-75°	62.3	65.4	69.6	73.1	76.1	78.6	81.0	83.1	85.0	86.6	88.1
-77.5°	50.1	52.7	55.4	58.0	60.5	62.3	64.1	65.8	67.5	68.9	70.2
-80°	37.1	39.1	41.2	43.2	45.3	46.3	47.1	47.9	48.5	49.4	50.2
-82.5°	22.7	23.8	25.0	26.1	27.3	27.6	27.7	27.7	27.5	27.2	26.7
-85°	10.1	10.2	10.2	10.0	9.9	9.4	8.9	8.4	7.7	7.6	7.5
-87.5°	2.2	2.2	2.1	2.1	2.0	2.0	2.0	2.0	1.9	2.0	2.1
-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: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2
62.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4
60°	0.7	0.5	0.4	0.4	0.4	0.5	0.7	0.9	1.0	1.1	1.0
57.5°	4.0	3.0	2.5	2.4	2.5	3.0	4.0	4.7	5.1	15.5	18.8
55°	97.7	102.7	106.4	108.1	106.4	102.7	97.7	89.1	77.2	72.4	73.9
52.5°	135.6	137.8	139.0	139.0	139.0	137.8	135.6	133.3	130.7	126.3	122.1
50°	151.2	152.2	152.6	152.4	152.6	152.2	151.2	149.6	148.7	146.6	139.2
47.5°	223.4	204.1	189.8	186.4	189.8	204.1	223.4	232.1	222.6	203.1	181.0
45°	318.1	325.5	332.8	335.0	332.8	325.5	318.1	314.8	307.9	299.4	290.6
42.5°	351.0	353.4	354.7	354.8	354.7	353.4	351.0	347.9	340.5	331.2	319.9
40°	366.6	368.9	370.2	370.3	370.2	368.9	366.6	363.5	358.0	349.9	339.4
37.5°	380.8	382.8	384.0	385.3	384.0	382.8	380.8	379.9	379.2	371.0	364.8
35°	445.1	430.6	409.6	412.8	409.6	430.6	445.1	446.8	434.4	411.2	422.3
32.5°	555.7	561.8	565.6	572.1	565.6	561.8	555.7	550.0	553.6	541.0	513.7
30°	606.6	608.6	611.7	614.9	611.7	608.6	606.6	605.0	604.0	589.3	572.8
27.5°	619.3	621.4	623.3	624.7	623.3	621.4	619.3	618.2	615.9	606.7	592.7
25°	626.0	627.3	629.3	631.0	629.3	627.3	626.0	625.8	624.0	618.3	607.0
22.5°	629.3	629.5	631.0	633.2	631.0	629.5	629.3	629.9	629.0	626.5	614.2
20°	631.6	630.4	632.0	633.4	632.0	630.4	631.6	632.4	632.2	632.3	622.1
17.5°	660.5	644.0	637.2	637.4	637.2	644.0	660.5	644.1	655.7	661.1	658.4
15°	753.8	760.0	783.7	796.5	783.7	760.0	753.8	771.5	755.7	759.4	745.3
12.5°	813.9	811.8	808.9	812.8	808.9	811.8	813.9	814.5	817.7	819.3	815.1
10°	816.7	816.5	811.5	816.9	811.5	816.5	816.7	818.4	822.4	825.2	820.3
7.5°	815.0	815.1	813.0	818.4	813.0	815.1	815.0	819.5	822.2	823.8	818.9
5°	816.2	812.5	813.8	816.9	813.8	812.5	816.2	816.6	819.2	821.2	818.3
2.5°	813.0	812.6	809.9	812.0	809.9	812.6	813.0	814.7	816.3	817.1	817.1
0°	810.6	808.6	808.6	810.4	808.6	808.6	810.6	813.7	816.4	818.7	819.6
-2.5°	814.9	814.5	814.2	812.9	814.2	814.5	814.9	816.3	817.6	818.7	819.2
-5°	818.4	817.3	814.3	818.4	814.3	817.3	818.4	819.9	822.2	823.7	823.3
-7.5°	822.2	819.4	816.6	822.9	816.6	819.4	822.2	823.4	826.0	828.2	828.0
-10°	825.6	821.7	818.9	825.1	818.9	821.7	825.6	828.4	830.7	832.7	833.1
-12.5°	830.2	825.5	823.7	827.0	823.7	825.5	830.2	833.4	835.9	837.4	836.8
-15°	835.0	831.8	831.4	833.4	831.4	831.8	835.0	838.4	840.4	841.6	839.4
-17.5°	839.3	837.1	838.2	840.4	838.2	837.1	839.3	842.1	843.7	844.2	841.1
-20°	841.4	840.1	841.4	846.9	841.4	840.1	841.4	843.1	844.2	843.9	839.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	841.2	841.3	843.5	845.3	843.5	841.3	841.2	842.1	842.0	840.6	833.2
-25°	838.0	839.7	842.2	845.8	842.2	839.7	838.0	837.9	836.7	833.2	825.6
-27.5°	830.2	833.0	835.7	839.5	835.7	833.0	830.2	829.1	827.1	822.2	816.1
-30°	819.0	822.4	824.7	828.9	824.7	822.4	819.0	817.0	813.9	808.2	799.0
-32.5°	805.4	809.2	812.0	814.9	812.0	809.2	805.4	802.3	799.0	792.5	779.7
-35°	788.4	792.5	795.5	798.1	795.5	792.5	788.4	784.3	780.2	774.5	760.0
-37.5°	768.0	772.4	775.8	778.8	775.8	772.4	768.0	763.1	758.7	753.3	739.1
-40°	744.1	748.6	752.2	755.6	752.2	748.6	744.1	738.5	733.6	727.2	714.9
-42.5°	716.2	720.8	724.5	728.0	724.5	720.8	716.2	710.3	704.2	696.5	685.9
-45°	684.0	688.7	692.7	696.3	692.7	688.7	684.0	677.8	670.1	660.1	647.5
-47.5°	647.0	652.0	655.4	657.1	655.4	652.0	647.0	640.4	631.4	619.7	605.9
-50°	604.5	609.5	613.6	616.6	613.6	609.5	604.5	597.9	588.8	576.1	561.5
-52.5°	557.7	562.5	566.0	568.1	566.0	562.5	557.7	551.3	542.5	529.0	513.6
-55°	506.5	511.5	514.8	516.4	514.8	511.5	506.5	499.9	491.4	477.7	462.5
-57.5°	448.5	453.2	456.7	458.7	456.7	453.2	448.5	442.0	433.8	420.9	406.3
-60°	384.2	388.5	391.1	392.2	391.1	388.5	384.2	378.3	370.7	359.3	345.9
-62.5°	318.5	322.5	325.0	326.0	325.0	322.5	318.5	313.2	306.5	297.2	285.9
-65°	253.6	256.1	257.5	257.7	257.5	256.1	253.6	249.8	244.7	237.6	228.8
-67.5°	195.6	197.5	198.7	199.1	198.7	197.5	195.6	193.0	189.6	185.4	180.1
-70°	153.5	154.8	155.5	155.7	155.5	154.8	153.5	151.5	148.8	145.3	140.9
-72.5°	114.4	115.4	115.1	114.3	115.1	115.4	114.4	113.1	111.4	109.4	107.3
-75°	89.3	90.3	89.9	89.1	89.9	90.3	89.3	88.1	86.6	85.0	83.1
-77.5°	71.3	72.3	71.8	71.1	71.8	72.3	71.3	70.2	68.9	67.5	65.8
-80°	50.9	51.5	51.9	52.1	51.9	51.5	50.9	50.2	49.4	48.5	47.9
-82.5°	26.1	25.3	24.8	24.2	24.8	25.3	26.1	26.7	27.2	27.5	27.7
-85°	7.3	7.2	7.3	7.4	7.3	7.2	7.3	7.5	7.6	7.7	8.4
-87.5°	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	1.9	2.0
-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: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
62.5°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4	0.6	0.7
60°	0.8	0.6	1.0	1.1	0.9	1.6	2.8	2.5	0.7	4.1	4.7
57.5°	11.9	9.9	20.8	20.7	8.7	11.7	15.7	10.3	6.7	11.6	15.3
55°	83.4	76.4	66.4	65.4	68.9	52.3	43.7	42.0	32.9	21.4	25.4
52.5°	117.7	110.6	103.8	97.5	92.3	86.7	78.6	69.7	66.9	53.8	41.5
50°	133.1	139.9	133.2	116.8	119.7	111.8	100.3	90.9	92.8	84.8	68.4
47.5°	180.5	188.8	189.0	179.3	168.4	165.0	148.1	118.8	120.7	120.4	103.0
45°	264.3	252.7	257.0	243.3	224.1	213.4	212.8	181.5	152.4	147.7	146.0
42.5°	310.2	301.6	292.7	282.5	265.5	248.5	238.1	220.4	197.1	176.4	169.0
40°	328.7	318.8	310.4	301.9	288.3	270.9	262.5	239.3	221.8	203.9	197.9
37.5°	351.2	332.2	339.6	323.5	310.8	306.6	300.1	275.9	237.0	233.8	230.8
35°	401.2	383.5	400.6	397.5	347.0	352.6	357.0	327.3	286.5	264.5	265.0
32.5°	515.5	474.6	462.1	477.4	450.8	406.7	407.4	398.4	342.7	310.5	296.5
30°	556.9	538.7	519.0	516.4	496.6	471.1	454.8	433.2	392.7	356.0	331.9
27.5°	574.7	558.2	541.7	528.9	517.5	500.1	479.0	453.5	424.7	391.8	368.4
25°	587.5	569.0	554.7	540.6	528.3	515.2	493.6	468.8	441.9	415.4	390.2
22.5°	597.7	580.5	565.2	550.0	540.0	525.9	506.4	480.8	462.8	445.9	413.2
20°	608.9	592.3	575.0	575.8	561.1	537.5	518.8	506.1	503.6	484.6	442.4
17.5°	657.5	612.0	620.4	636.5	604.0	561.3	554.6	555.3	547.5	529.9	477.4
15°	761.6	695.8	696.4	707.5	672.3	619.8	607.7	606.2	593.8	574.3	514.3
12.5°	794.5	772.4	768.4	752.0	717.4	678.2	663.8	656.0	633.4	595.7	540.9
10°	805.5	792.8	775.8	759.3	738.3	722.5	702.1	673.8	641.6	605.3	560.7
7.5°	806.8	793.6	780.0	764.2	745.8	727.3	707.1	678.9	647.9	612.2	574.6
5°	806.0	792.9	780.2	765.1	746.5	728.5	710.2	682.4	652.1	616.7	583.8
2.5°	804.1	790.8	778.7	765.0	746.4	729.1	712.1	686.2	655.1	620.4	586.9
0°	807.0	793.8	782.4	767.0	750.2	730.1	713.1	690.0	656.5	622.9	588.0
-2.5°	808.2	794.6	784.2	766.8	752.9	732.3	715.1	692.8	659.3	627.3	590.8
-5°	814.7	801.2	787.6	770.2	755.5	736.3	717.0	694.0	661.3	629.6	592.0
-7.5°	819.0	805.3	789.4	772.6	757.8	739.5	718.1	694.1	663.2	629.6	592.7
-10°	821.7	807.3	791.7	774.4	759.2	740.4	717.7	693.5	662.8	628.1	591.3
-12.5°	825.5	809.3	793.2	773.6	758.3	739.0	716.4	692.1	660.0	625.4	587.9
-15°	826.9	810.3	791.4	772.2	755.5	736.8	713.4	687.9	655.0	621.1	582.4
-17.5°	827.5	808.6	788.5	770.0	752.1	732.2	707.5	680.5	648.7	613.7	575.1
-20°	827.0	805.0	784.3	764.3	745.5	725.2	699.7	673.0	639.6	604.0	565.7



REPORT NUMBER: P645301 (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°
-22.5°	818.6	798.6	777.7	756.0	737.5	716.0	691.0	663.3	627.8	593.3	553.6
-25°	809.3	789.1	767.5	747.3	727.6	706.2	680.6	649.2	615.4	579.6	539.1
-27.5°	798.3	777.2	754.8	734.2	713.4	692.4	665.9	634.3	601.7	562.5	523.2
-30°	783.5	761.6	738.8	715.3	696.3	674.9	648.7	618.0	583.0	544.3	506.9
-32.5°	763.3	742.8	720.0	697.6	677.8	655.3	628.9	598.4	561.7	525.1	486.1
-35°	742.9	721.6	699.9	678.8	657.9	634.3	607.4	574.2	539.1	502.9	462.4
-37.5°	719.5	697.4	676.9	656.9	635.3	611.2	581.4	549.4	515.2	475.4	436.9
-40°	694.4	673.1	650.8	631.0	608.0	583.6	554.9	523.7	486.1	446.8	410.6
-42.5°	664.6	643.3	620.4	598.3	575.9	552.8	526.8	493.1	455.9	418.7	381.1
-45°	628.7	607.3	584.8	562.0	541.1	518.6	494.4	458.5	421.7	386.3	350.2
-47.5°	588.1	567.5	545.7	523.2	503.2	480.7	451.3	417.8	385.2	351.5	314.6
-50°	544.2	524.5	504.3	483.4	461.1	435.6	407.4	378.2	345.9	311.3	277.6
-52.5°	496.1	478.1	459.1	439.0	415.9	390.7	364.2	333.2	301.0	271.6	241.0
-55°	445.9	428.2	409.4	389.3	367.8	342.8	315.4	287.2	260.9	233.8	210.4
-57.5°	390.4	373.6	355.7	336.7	316.9	293.6	269.6	245.7	224.9	203.7	182.5
-60°	331.1	315.4	300.1	283.4	265.0	245.0	227.5	209.8	192.2	175.3	158.2
-62.5°	273.7	260.5	246.8	233.2	219.2	204.8	190.3	176.7	162.7	148.4	135.9
-65°	219.4	209.4	198.6	189.1	179.3	168.8	157.1	146.4	136.3	125.8	115.1
-67.5°	173.8	166.7	159.1	151.6	144.8	137.6	129.4	120.7	112.7	105.0	97.1
-70°	136.4	131.6	126.7	121.2	115.8	110.3	104.3	98.0	91.5	85.7	80.2
-72.5°	104.7	101.4	97.7	93.7	89.5	85.8	81.7	77.4	73.0	68.7	64.5
-75°	81.0	78.6	76.1	73.1	69.6	65.4	62.3	60.2	57.6	54.4	50.9
-77.5°	64.1	62.3	60.5	58.0	55.4	52.7	50.1	47.5	45.0	42.5	40.3
-80°	47.1	46.3	45.3	43.2	41.2	39.1	37.1	35.5	34.0	32.4	30.4
-82.5°	27.7	27.6	27.3	26.1	25.0	23.8	22.7	21.6	20.4	19.1	17.9
-85°	8.9	9.4	9.9	10.0	10.2	10.2	10.1	9.8	9.5	9.1	8.6
-87.5°	2.0	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.5	2.5
-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: P645301 (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°
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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.4
72.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	0.4
70°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4
65°	0.3	0.4	0.4	0.5	0.5	0.3	0.4	0.7	0.6	0.5	0.4
62.5°	0.6	0.4	1.2	1.5	0.9	0.7	0.6	1.6	1.0	0.7	0.5
60°	1.5	1.2	3.2	5.1	3.6	1.2	1.8	2.8	2.5	0.9	0.7
57.5°	13.3	4.6	6.6	9.6	9.4	5.1	3.7	5.0	4.3	2.5	1.0
55°	28.3	23.8	15.7	14.4	15.6	12.5	8.2	8.0	6.6	4.6	1.6
52.5°	38.8	40.5	35.3	24.6	21.5	20.4	15.9	11.6	10.3	6.8	4.0
50°	56.2	52.4	51.8	43.5	30.1	27.2	23.6	18.2	14.5	9.8	6.7
47.5°	79.4	69.8	64.6	60.9	48.0	34.7	30.9	24.8	19.1	14.1	9.5
45°	113.5	90.2	80.3	74.2	65.8	48.8	38.7	31.3	24.9	18.9	12.5
42.5°	147.7	116.6	98.1	88.3	79.6	64.8	47.0	38.8	30.5	23.8	16.3
40°	177.9	143.8	116.9	104.3	93.1	80.2	60.5	46.8	36.0	28.9	20.7
37.5°	214.3	174.8	138.5	121.0	107.5	93.0	74.1	55.2	42.7	34.2	25.0
35°	249.4	215.0	162.6	141.2	123.6	106.2	87.3	65.1	50.9	39.6	29.3
32.5°	287.2	252.7	199.1	163.8	140.2	119.7	99.6	77.1	59.1	45.1	33.7
30°	317.0	277.6	231.1	186.3	158.2	134.7	111.9	88.6	67.3	50.6	38.0
27.5°	332.7	299.1	256.3	211.5	178.5	150.1	124.6	99.7	75.5	56.6	42.5
25°	349.0	314.2	274.4	233.5	198.6	166.4	137.2	110.2	84.5	63.5	47.0
22.5°	368.5	327.1	289.6	250.9	219.3	183.0	150.4	120.8	93.5	70.2	51.4
20°	388.1	339.1	304.6	274.6	239.6	200.9	164.2	131.2	102.0	76.7	55.8
17.5°	408.7	360.8	330.1	297.8	259.9	218.2	177.8	141.2	109.9	83.0	59.9
15°	444.4	393.3	355.8	320.3	280.0	234.9	191.1	150.9	117.3	89.1	63.8
12.5°	476.9	423.6	381.5	342.1	299.9	250.8	203.9	160.1	124.2	93.9	67.3
10°	503.8	451.7	406.9	363.0	319.1	265.8	216.1	167.6	128.3	97.5	70.5
7.5°	525.8	477.6	431.7	383.0	335.6	275.6	222.3	171.9	131.5	100.6	73.5
5°	541.7	494.9	444.9	389.9	340.8	279.6	226.5	175.5	134.0	103.2	76.1
2.5°	546.3	500.2	449.8	393.7	344.3	282.3	229.5	178.2	136.0	105.3	78.5
0°	549.0	503.7	452.9	396.0	346.1	283.5	231.3	180.1	137.4	106.9	80.5
-2.5°	552.7	506.7	455.9	402.0	347.3	287.3	232.3	181.3	139.2	107.5	81.7
-5°	554.6	507.9	457.4	406.0	347.0	289.6	232.2	181.7	140.3	107.7	82.6
-7.5°	553.7	507.5	457.4	407.3	345.4	290.1	230.9	181.3	140.8	107.5	83.1
-10°	551.2	505.5	455.7	404.0	343.9	288.1	228.6	180.1	140.6	107.1	83.3
-12.5°	547.4	501.6	452.1	399.3	340.9	283.8	226.0	178.1	139.4	106.3	83.2
-15°	542.5	496.0	446.7	393.3	336.0	278.2	222.0	175.3	137.2	105.5	82.7
-17.5°	536.1	488.7	439.4	386.2	329.0	271.2	216.7	171.6	134.4	104.4	81.7
-20°	524.9	478.9	430.1	378.2	320.0	263.0	209.9	167.0	131.1	103.0	80.3



REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	512.2	466.8	418.5	367.3	309.1	253.5	201.8	161.5	127.3	101.1	78.5
-25°	498.7	453.2	405.1	352.3	297.0	243.5	193.6	155.2	123.1	98.7	76.6
-27.5°	482.8	437.7	389.8	335.7	283.0	231.8	185.8	149.6	118.9	95.9	74.3
-30°	464.9	419.5	370.8	318.0	267.7	218.4	177.1	143.6	115.4	92.9	71.8
-32.5°	444.5	399.5	349.7	299.9	251.5	204.1	167.4	137.2	111.4	89.6	69.5
-35°	421.2	376.2	327.3	280.4	234.3	192.5	157.9	130.4	106.8	86.1	67.0
-37.5°	397.0	351.1	304.9	260.1	216.1	180.0	149.4	123.6	101.7	82.4	64.3
-40°	369.3	325.4	281.4	239.2	200.3	166.6	140.2	117.0	96.9	78.4	61.3
-42.5°	340.7	298.4	256.9	217.0	184.7	155.7	130.6	109.9	91.7	74.5	58.1
-45°	310.0	269.8	230.8	198.4	168.8	144.1	122.1	102.5	86.3	70.5	54.8
-47.5°	277.5	239.8	207.1	178.9	155.3	132.5	113.1	96.1	80.6	66.3	51.5
-50°	243.1	211.8	185.3	162.1	140.8	122.0	104.2	89.4	75.3	61.6	48.0
-52.5°	212.6	187.5	165.6	145.7	128.0	111.0	96.5	82.5	69.9	57.1	44.4
-55°	186.5	165.9	147.5	130.9	115.3	101.6	88.5	76.4	64.4	52.6	40.7
-57.5°	163.9	146.0	131.2	116.8	103.9	92.3	81.2	70.2	59.1	48.0	37.8
-60°	142.3	128.9	115.7	104.2	93.3	83.4	74.3	64.0	53.7	43.3	34.5
-62.5°	123.6	112.1	102.2	92.2	83.1	75.0	67.4	57.9	48.2	39.0	31.0
-65°	106.1	97.3	88.8	80.8	73.2	66.4	60.3	51.6	42.6	34.4	27.3
-67.5°	89.4	82.8	76.2	69.4	63.5	57.9	52.7	44.9	36.8	29.6	23.7
-70°	74.6	68.9	63.7	58.7	53.9	49.2	44.3	37.7	30.8	25.3	20.0
-72.5°	60.5	56.4	52.0	47.9	44.4	40.3	35.8	30.6	25.8	20.9	16.2
-75°	47.5	44.8	41.8	38.5	35.2	31.6	28.5	24.9	20.7	16.5	13.1
-77.5°	38.0	35.4	32.3	29.7	27.5	25.0	22.3	19.1	15.8	12.8	10.1
-80°	28.0	26.0	24.3	22.8	20.7	18.4	16.2	13.9	11.5	9.2	7.1
-82.5°	17.1	16.6	16.2	15.5	13.8	12.1	10.5	8.8	7.1	5.5	4.6
-85°	8.5	8.4	8.1	7.8	6.7	5.7	5.2	4.7	4.1	3.6	3.0
-87.5°	2.8	3.0	3.2	3.3	3.1	2.8	2.6	2.4	2.1	1.8	1.5
-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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Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.1	0.1	0.1	0.1	0.0	0.0	0.0
85°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
82.5°	0.3	0.3	0.2	0.2	0.1	0.1	0.0
80°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
77.5°	0.4	0.4	0.3	0.3	0.2	0.1	0.0
75°	0.4	0.4	0.4	0.3	0.2	0.1	0.0
72.5°	0.4	0.4	0.4	0.4	0.2	0.1	0.0
70°	0.4	0.4	0.4	0.4	0.3	0.2	0.0
67.5°	0.5	0.4	0.4	0.4	0.3	0.2	0.0
65°	0.5	0.5	0.4	0.4	0.3	0.2	0.0
62.5°	0.6	0.6	0.5	0.4	0.4	0.2	0.0
60°	0.7	0.7	0.5	0.4	0.4	0.2	0.0
57.5°	1.3	0.9	0.6	0.5	0.4	0.2	0.0
55°	2.0	1.0	0.8	0.5	0.4	0.3	0.0
52.5°	2.8	1.3	0.9	0.5	0.5	0.3	0.0
50°	3.8	2.3	1.1	0.5	0.5	0.3	0.0
47.5°	5.1	3.3	1.3	0.5	0.5	0.3	0.0
45°	7.7	4.3	1.5	0.7	0.5	0.3	0.0
42.5°	10.4	5.4	1.6	0.8	0.5	0.3	0.0
40°	13.1	6.6	2.2	1.0	0.5	0.4	0.0
37.5°	15.9	7.9	3.1	1.2	0.6	0.4	0.0
35°	18.8	9.8	4.1	1.5	0.6	0.4	0.0
32.5°	21.8	12.0	5.1	1.7	0.6	0.4	0.0
30°	25.3	14.3	6.0	2.0	0.6	0.4	0.0
27.5°	28.8	16.5	7.2	2.3	0.7	0.4	0.0
25°	32.1	18.6	8.5	2.7	0.7	0.4	0.0
22.5°	35.4	20.8	9.7	3.0	0.7	0.4	0.0
20°	38.5	23.2	10.9	3.3	0.7	0.5	0.0
17.5°	41.6	25.5	12.1	3.7	0.8	0.5	0.0
15°	44.6	27.7	13.3	4.1	0.8	0.5	0.0
12.5°	47.4	29.8	14.4	4.4	0.8	0.5	0.0
10°	50.0	31.7	15.5	4.8	0.8	0.5	0.0
7.5°	52.4	33.6	16.6	5.1	0.8	0.5	0.0
5°	54.6	35.3	17.5	5.4	0.9	0.5	0.0
2.5°	56.5	36.8	18.4	5.7	0.9	0.5	0.0
0°	58.2	38.2	19.2	6.0	0.9	0.5	0.0
-2.5°	59.1	39.1	19.9	6.4	1.0	0.5	0.0
-5°	59.7	39.7	20.5	6.7	1.2	0.6	0.0
-7.5°	60.1	40.2	21.0	7.1	1.3	0.6	0.0
-10°	60.3	40.5	21.4	7.3	1.5	0.6	0.0
-12.5°	60.3	40.7	21.7	7.6	1.6	0.6	0.0
-15°	60.0	40.6	21.8	7.7	1.7	0.7	0.0
-17.5°	59.6	40.3	21.8	7.9	1.8	0.7	0.0
-20°	58.9	39.9	21.6	8.0	1.9	0.7	0.0

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REPORT NUMBER: P645301 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1A-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	57.9	39.3	21.3	8.0	2.0	0.7	0.0
-25°	56.7	38.3	20.8	7.9	2.1	0.7	0.0
-27.5°	55.2	37.2	20.2	7.8	2.1	0.8	0.0
-30°	53.6	35.8	19.5	7.7	2.2	0.8	0.0
-32.5°	51.7	34.3	18.6	7.5	2.2	0.8	0.0
-35°	49.6	32.7	17.6	7.2	2.3	0.8	0.0
-37.5°	47.4	31.0	16.5	6.8	2.3	0.8	0.0
-40°	45.1	29.5	15.3	6.4	2.3	0.8	0.0
-42.5°	42.6	27.9	14.4	5.9	2.3	0.7	0.0
-45°	39.9	26.2	13.8	5.5	2.3	0.7	0.0
-47.5°	37.0	24.4	13.1	5.0	2.2	0.7	0.0
-50°	34.6	22.4	12.3	4.8	2.2	0.7	0.0
-52.5°	32.3	20.4	11.4	4.7	2.1	0.7	0.0
-55°	29.8	18.9	10.3	4.5	2.0	0.6	0.0
-57.5°	27.2	17.4	9.2	4.3	1.9	0.6	0.0
-60°	24.6	15.7	8.0	4.1	1.8	0.6	0.0
-62.5°	22.2	13.9	7.4	3.8	1.7	0.5	0.0
-65°	19.7	11.9	6.8	3.5	1.6	0.5	0.0
-67.5°	17.0	10.3	6.1	3.1	1.4	0.5	0.0
-70°	14.1	9.0	5.3	2.7	1.3	0.4	0.0
-72.5°	11.9	7.7	4.4	2.4	1.2	0.4	0.0
-75°	9.8	6.2	3.5	2.1	1.0	0.3	0.0
-77.5°	7.5	4.7	2.9	1.7	0.8	0.3	0.0
-80°	5.1	3.6	2.4	1.4	0.7	0.2	0.0
-82.5°	3.8	2.7	1.8	1.1	0.5	0.2	0.0
-85°	2.5	1.8	1.2	0.7	0.3	0.1	0.0
-87.5°	1.3	0.9	0.6	0.4	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)