

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: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645394 (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-SA2E-727-U-LAM-XX
Description: GALLEON FLOOD, TWO LIGHT SQUARE, LAMBERTIAN
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

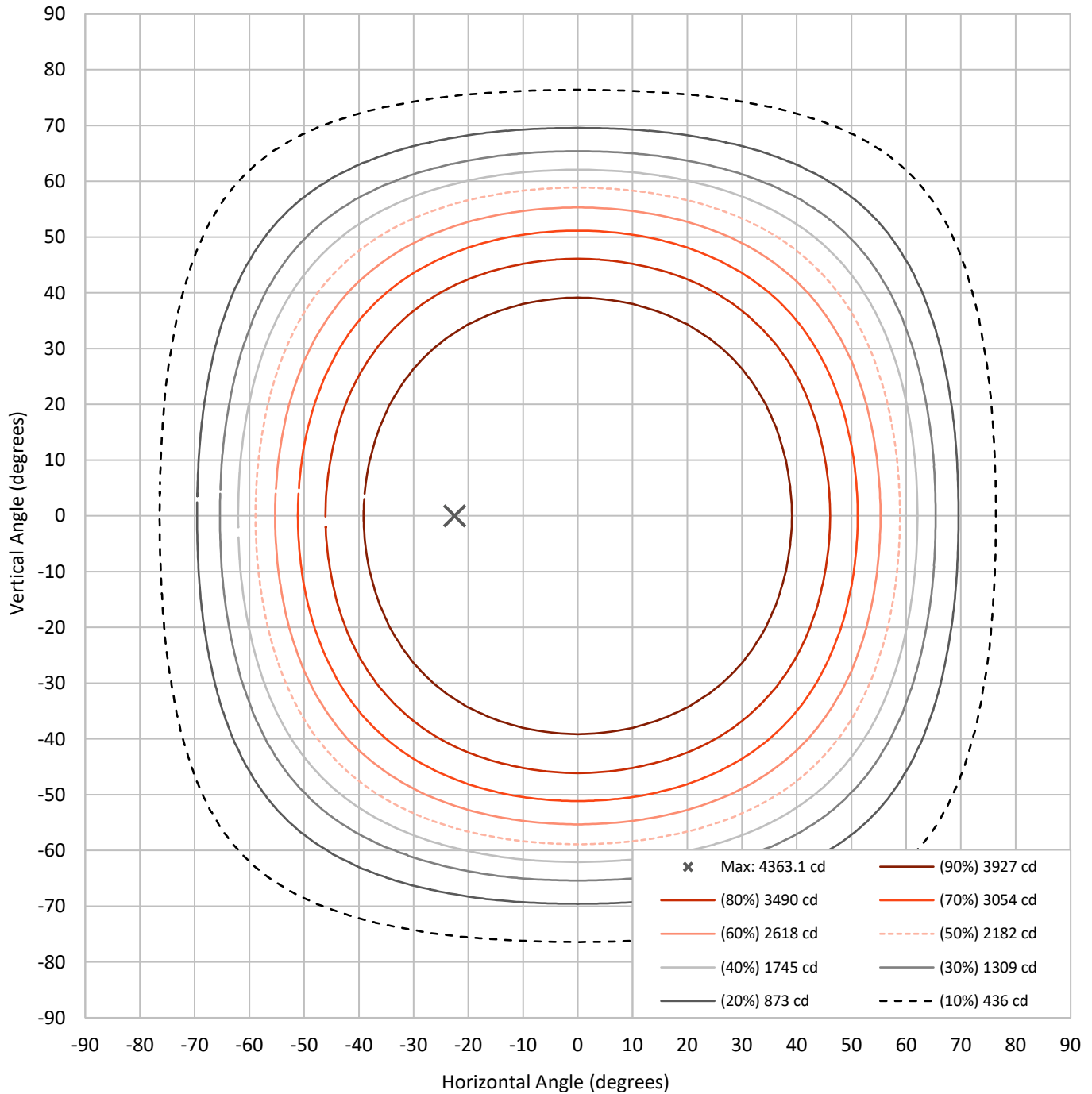
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	13347.1 lumens	Max Intensity:	4363.1 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	106.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	11107.7 lumens	Field Lumens:	13084.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	125.71		
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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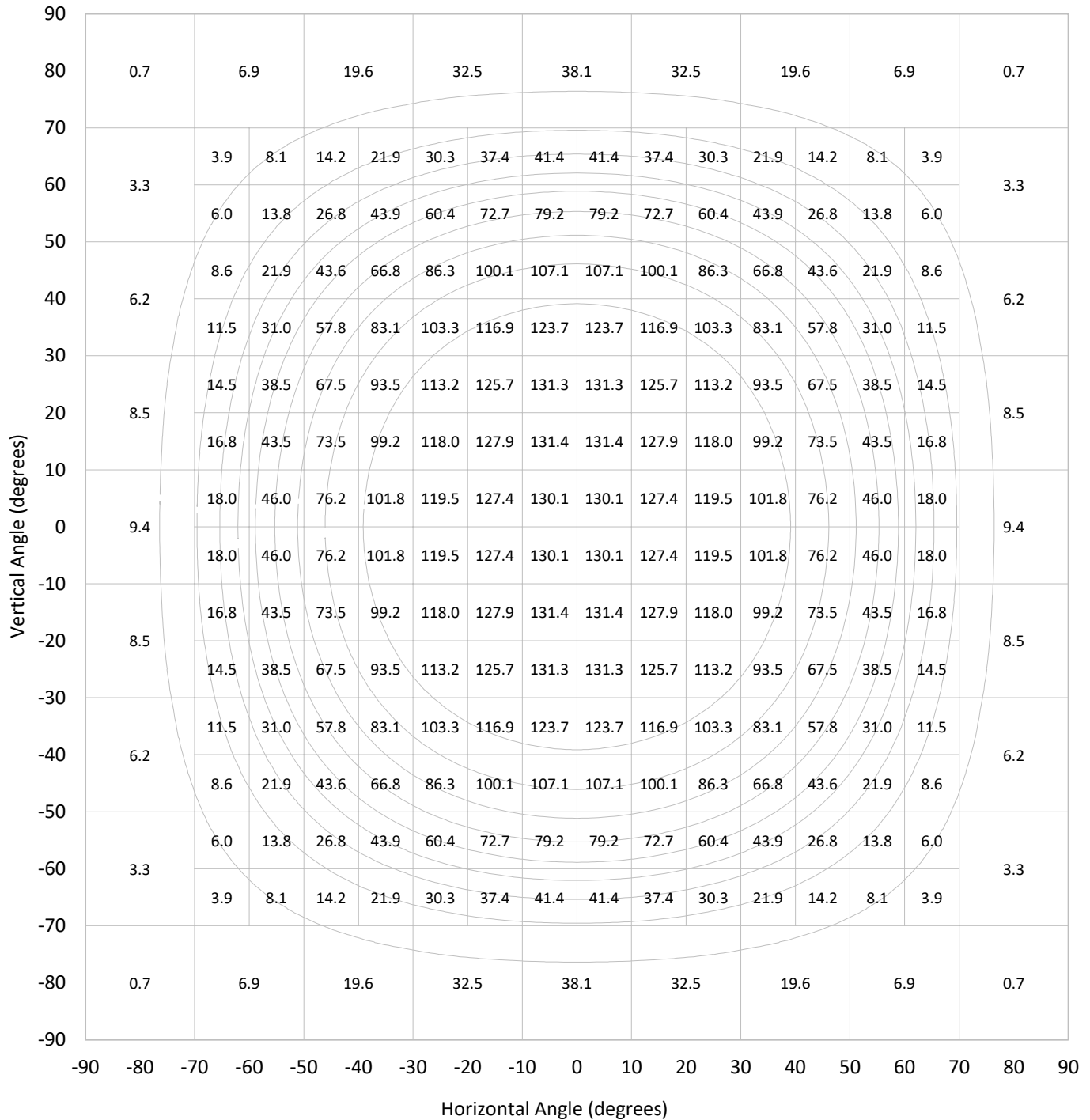
Iso-Candela Plot





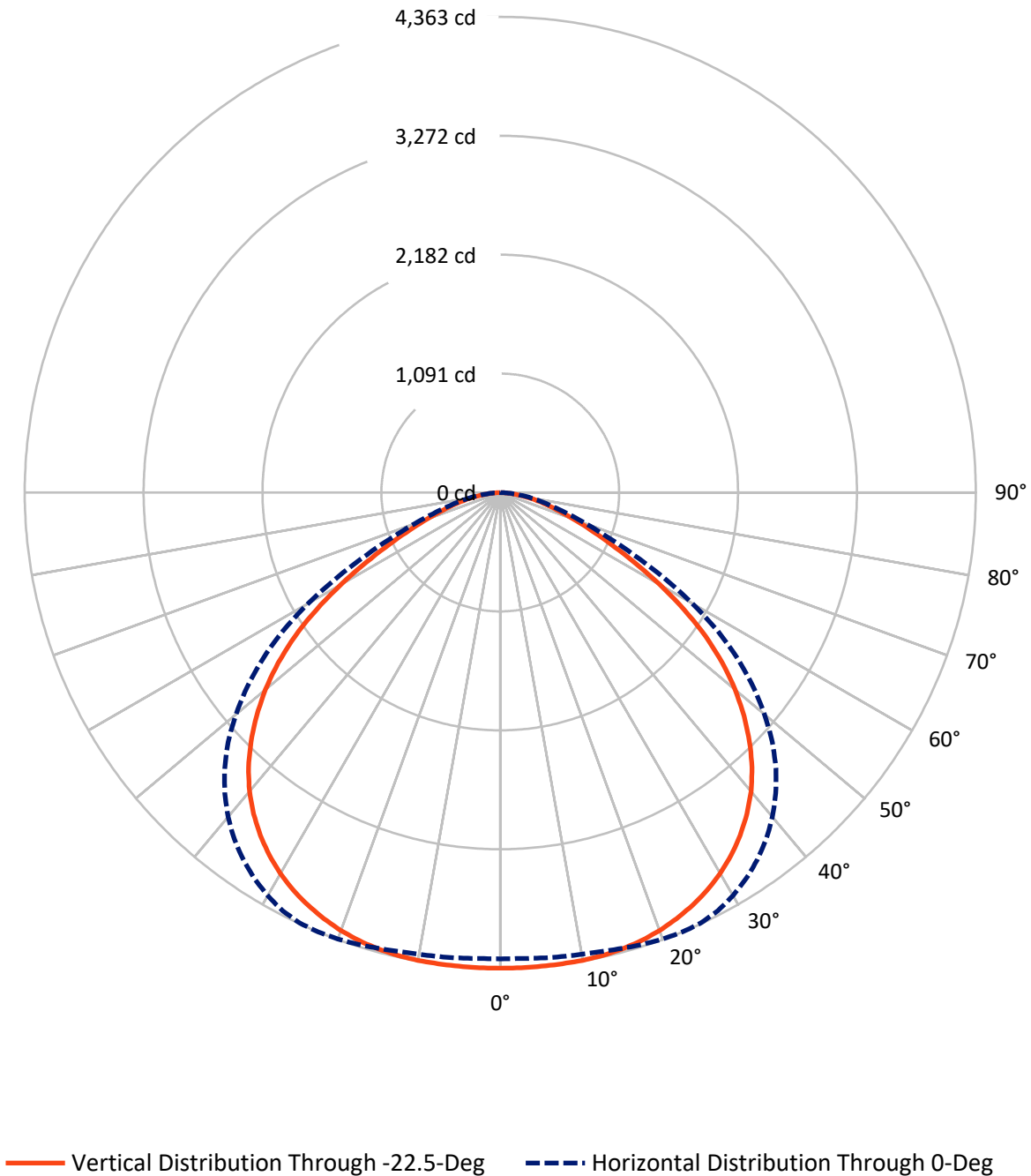
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Lumen Table



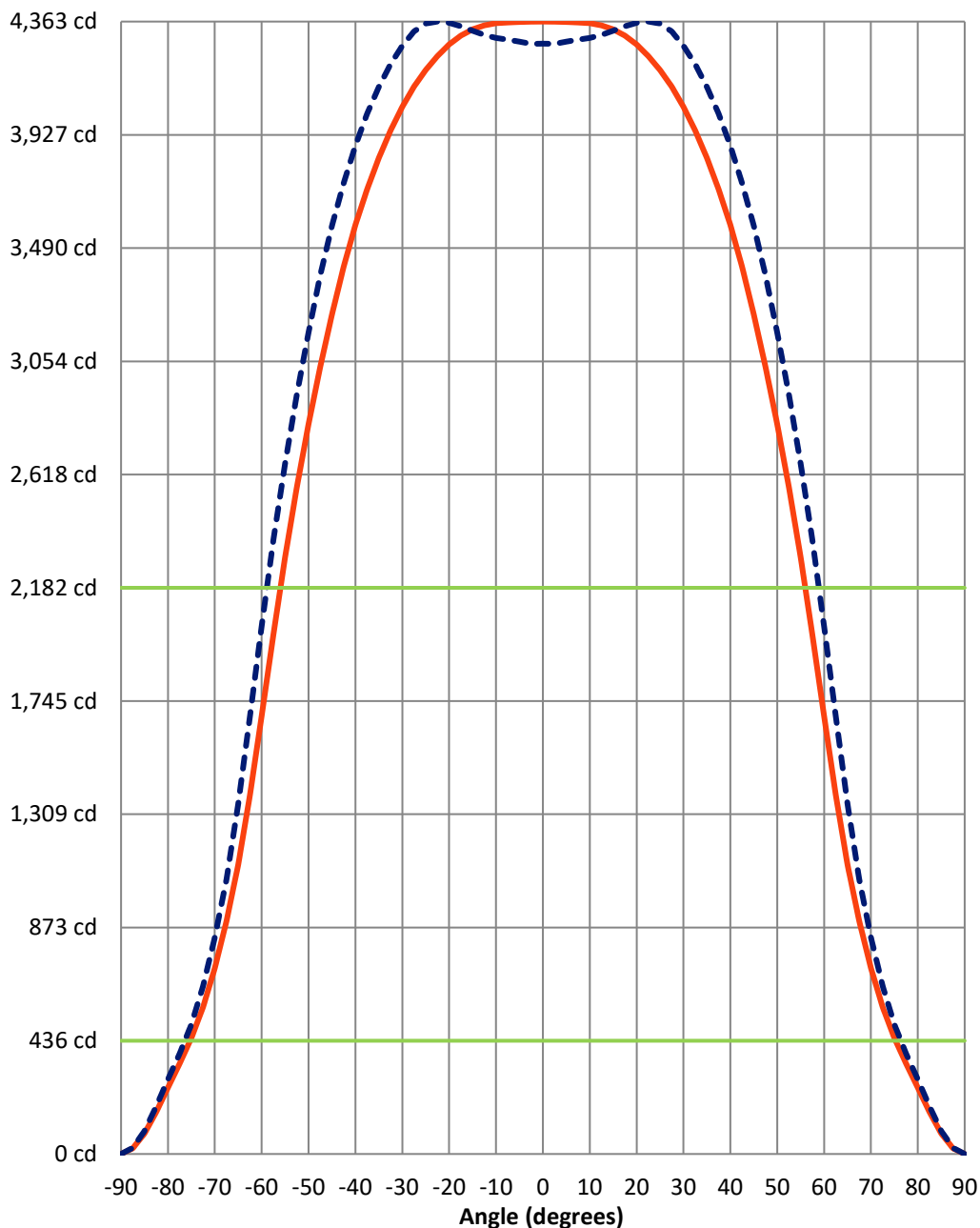
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 11107.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 13084.5
 Efficiency: 98.0%

Spill:
 Lumens: 262.5
 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	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.2	9.1	10.1
85°	0.0	2.1	4.2	6.2	8.3	10.3	12.4	14.4	16.3	18.3	20.2
82.5°	0.0	3.1	6.2	9.3	12.4	15.5	18.5	21.5	25.4	33.3	41.1
80°	0.0	4.1	8.3	12.4	16.5	20.6	25.9	36.7	47.4	57.9	68.3
77.5°	0.0	5.2	10.3	15.5	20.6	28.7	42.4	55.9	69.2	82.3	98.2
75°	0.0	6.2	12.4	18.5	25.9	42.4	58.7	74.9	91.8	114.7	137.2
72.5°	0.0	7.2	14.4	21.5	36.7	55.9	74.9	95.9	122.9	149.6	175.8
70°	0.0	8.2	16.3	25.4	47.4	69.2	91.8	122.9	153.7	184.2	217.1
67.5°	0.0	9.1	18.3	33.3	57.9	82.3	114.7	149.6	184.2	221.7	258.6
65°	0.0	10.1	20.2	41.1	68.3	98.2	137.2	175.8	217.1	258.6	298.9
62.5°	0.0	11.0	22.0	48.7	78.4	116.6	159.3	203.3	249.4	294.5	337.2
60°	0.0	11.9	23.9	56.1	88.3	134.6	180.9	231.1	281.0	328.4	374.7
57.5°	0.0	12.8	28.7	63.4	102.2	152.2	203.9	258.2	310.8	361.5	414.8
55°	0.0	13.7	33.4	70.5	115.9	169.4	226.5	284.6	339.6	394.8	455.5
52.5°	0.0	14.5	38.0	77.3	129.2	186.3	248.5	309.2	367.5	430.5	495.2
50°	0.0	15.4	42.4	83.9	142.0	204.0	269.8	332.9	395.7	465.1	544.5
47.5°	0.0	16.1	46.6	91.0	154.5	221.1	290.2	355.8	425.4	498.5	593.4
45°	0.0	16.9	50.7	100.0	166.4	237.6	309.1	377.8	454.1	540.7	640.7
42.5°	0.0	17.6	54.6	108.5	177.8	253.4	327.1	400.6	481.5	581.5	696.3
40°	0.0	18.3	58.4	116.7	189.3	268.4	344.4	423.5	510.5	620.5	751.3
37.5°	0.0	19.0	61.9	124.5	200.7	282.7	360.8	445.3	543.4	660.3	803.7
35°	0.0	19.6	65.3	131.8	211.5	295.8	376.4	466.0	574.5	704.8	857.2
32.5°	0.0	20.2	68.4	138.7	221.7	308.0	391.6	485.4	603.8	746.8	913.5
30°	0.0	20.7	71.4	145.1	231.2	319.3	407.1	504.9	631.3	786.1	966.3
27.5°	0.0	21.2	74.1	151.1	239.9	329.8	421.5	527.1	659.3	822.7	1015.4
25°	0.0	21.7	76.6	156.6	248.0	339.5	434.7	547.5	689.0	860.7	1061.2
22.5°	0.0	22.1	78.9	161.6	255.4	348.4	446.8	566.2	716.2	897.7	1114.8
20°	0.0	22.5	81.0	166.1	262.1	356.3	457.7	583.0	740.6	931.0	1163.2
17.5°	0.0	22.8	82.8	170.1	267.9	363.4	467.3	597.9	762.4	960.6	1206.2
15°	0.0	23.1	84.4	173.6	273.1	369.5	475.8	610.9	781.3	986.4	1243.7
12.5°	0.0	23.3	85.7	176.5	277.4	374.7	482.9	622.0	797.5	1008.4	1275.7
10°	0.0	23.5	86.8	179.0	281.0	379.0	488.8	631.1	810.7	1026.5	1302.0
7.5°	0.0	23.7	87.7	180.9	283.8	382.4	493.4	638.2	821.1	1040.6	1322.5
5°	0.0	23.8	88.3	182.2	285.8	384.8	496.7	643.2	828.5	1050.7	1337.2
2.5°	0.0	23.9	88.7	183.0	287.0	386.2	498.6	646.3	832.9	1056.8	1346.0
0°	0.0	23.9	88.8	183.3	287.4	386.7	499.3	647.3	834.4	1058.8	1349.0
-2.5°	0.0	23.9	88.7	183.0	287.0	386.2	498.6	646.3	832.9	1056.8	1346.0
-5°	0.0	23.8	88.3	182.2	285.8	384.8	496.7	643.2	828.5	1050.7	1337.2
-7.5°	0.0	23.7	87.7	180.9	283.8	382.4	493.4	638.2	821.1	1040.6	1322.5
-10°	0.0	23.5	86.8	179.0	281.0	379.0	488.8	631.1	810.7	1026.5	1302.0
-12.5°	0.0	23.3	85.7	176.5	277.4	374.7	482.9	622.0	797.5	1008.4	1275.7
-15°	0.0	23.1	84.4	173.6	273.1	369.5	475.8	610.9	781.3	986.4	1243.7
-17.5°	0.0	22.8	82.8	170.1	267.9	363.4	467.3	597.9	762.4	960.6	1206.2
-20°	0.0	22.5	81.0	166.1	262.1	356.3	457.7	583.0	740.6	931.0	1163.2

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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	22.1	78.9	161.6	255.4	348.4	446.8	566.2	716.2	897.7	1114.8
-25°	0.0	21.7	76.6	156.6	248.0	339.5	434.7	547.5	689.0	860.7	1061.2
-27.5°	0.0	21.2	74.1	151.1	239.9	329.8	421.5	527.1	659.3	822.7	1015.4
-30°	0.0	20.7	71.4	145.1	231.2	319.3	407.1	504.9	631.3	786.1	966.3
-32.5°	0.0	20.2	68.4	138.7	221.7	308.0	391.6	485.4	603.8	746.8	913.5
-35°	0.0	19.6	65.3	131.8	211.5	295.8	376.4	466.0	574.5	704.8	857.2
-37.5°	0.0	19.0	61.9	124.5	200.7	282.7	360.8	445.3	543.4	660.3	803.7
-40°	0.0	18.3	58.4	116.7	189.3	268.4	344.4	423.5	510.5	620.5	751.3
-42.5°	0.0	17.6	54.6	108.5	177.8	253.4	327.1	400.6	481.5	581.5	696.3
-45°	0.0	16.9	50.7	100.0	166.4	237.6	309.1	377.8	454.1	540.7	640.7
-47.5°	0.0	16.1	46.6	91.0	154.5	221.1	290.2	355.8	425.4	498.5	593.4
-50°	0.0	15.4	42.4	83.9	142.0	204.0	269.8	332.9	395.7	465.1	544.5
-52.5°	0.0	14.5	38.0	77.3	129.2	186.3	248.5	309.2	367.5	430.5	495.2
-55°	0.0	13.7	33.4	70.5	115.9	169.4	226.5	284.6	339.6	394.8	455.5
-57.5°	0.0	12.8	28.7	63.4	102.2	152.2	203.9	258.2	310.8	361.5	414.8
-60°	0.0	11.9	23.9	56.1	88.3	134.6	180.9	231.1	281.0	328.4	374.7
-62.5°	0.0	11.0	22.0	48.7	78.4	116.6	159.3	203.3	249.4	294.5	337.2
-65°	0.0	10.1	20.2	41.1	68.3	98.2	137.2	175.8	217.1	258.6	298.9
-67.5°	0.0	9.1	18.3	33.3	57.9	82.3	114.7	149.6	184.2	221.7	258.6
-70°	0.0	8.2	16.3	25.4	47.4	69.2	91.8	122.9	153.7	184.2	217.1
-72.5°	0.0	7.2	14.4	21.5	36.7	55.9	74.9	95.9	122.9	149.6	175.8
-75°	0.0	6.2	12.4	18.5	25.9	42.4	58.7	74.9	91.8	114.7	137.2
-77.5°	0.0	5.2	10.3	15.5	20.6	28.7	42.4	55.9	69.2	82.3	98.2
-80°	0.0	4.1	8.3	12.4	16.5	20.6	25.9	36.7	47.4	57.9	68.3
-82.5°	0.0	3.1	6.2	9.3	12.4	15.5	18.5	21.5	25.4	33.3	41.1
-85°	0.0	2.1	4.2	6.2	8.3	10.3	12.4	14.4	16.3	18.3	20.2
-87.5°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.2	8.2	9.1	10.1
-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: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-727-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°	11.0	11.9	12.8	13.7	14.5	15.4	16.1	16.9	17.6	18.3	19.0
85°	22.0	23.9	28.7	33.4	38.0	42.4	46.6	50.7	54.6	58.4	61.9
82.5°	48.7	56.1	63.4	70.5	77.3	83.9	91.0	100.0	108.5	116.7	124.5
80°	78.4	88.3	102.2	115.9	129.2	142.0	154.5	166.4	177.8	189.3	200.7
77.5°	116.6	134.6	152.2	169.4	186.3	204.0	221.1	237.6	253.4	268.4	282.7
75°	159.3	180.9	203.9	226.5	248.5	269.8	290.2	309.1	327.1	344.4	360.8
72.5°	203.3	231.1	258.2	284.6	309.2	332.9	355.8	377.8	400.6	423.5	445.3
70°	249.4	281.0	310.8	339.6	367.5	395.7	425.4	454.1	481.5	510.5	543.4
67.5°	294.5	328.4	361.5	394.8	430.5	465.1	498.5	540.7	581.5	620.5	660.3
65°	337.2	374.7	414.8	455.5	495.2	544.5	593.4	640.7	696.3	751.3	803.7
62.5°	379.2	424.9	470.7	520.5	577.8	633.4	698.0	763.8	827.2	898.6	968.1
60°	424.9	475.8	533.9	597.9	663.8	740.6	815.1	897.7	980.9	1061.2	1159.9
57.5°	470.7	533.9	604.7	681.0	766.5	852.7	949.7	1043.5	1156.0	1268.3	1380.1
55°	520.5	597.9	681.0	775.1	873.6	981.1	1093.5	1224.5	1351.3	1492.6	1627.9
52.5°	577.8	663.8	766.5	873.6	991.7	1121.0	1266.0	1416.0	1574.0	1727.4	1877.8
50°	633.4	740.6	852.7	981.1	1121.0	1279.9	1448.5	1623.3	1795.7	1963.9	2121.4
47.5°	698.0	815.1	949.7	1093.5	1266.0	1448.5	1639.8	1830.1	2016.1	2188.7	2353.9
45°	763.8	897.7	1043.5	1224.5	1416.0	1623.3	1830.1	2033.6	2222.5	2400.8	2556.8
42.5°	827.2	980.9	1156.0	1351.3	1574.0	1795.7	2016.1	2222.5	2416.1	2587.8	2744.6
40°	898.6	1061.2	1268.3	1492.6	1727.4	1963.9	2188.7	2400.8	2587.8	2758.8	2917.5
37.5°	968.1	1159.9	1380.1	1627.9	1877.8	2121.4	2353.9	2556.8	2744.6	2917.5	3069.7
35°	1034.1	1253.6	1499.0	1759.0	2021.4	2269.1	2495.4	2702.0	2888.4	3056.3	3211.9
32.5°	1107.5	1342.2	1611.4	1884.9	2152.2	2404.4	2628.8	2830.8	3016.2	3186.6	3341.2
30°	1183.1	1437.8	1718.2	2003.6	2275.0	2521.8	2745.7	2950.3	3134.2	3302.6	3454.1
27.5°	1253.6	1528.0	1820.0	2110.9	2387.2	2631.8	2852.8	3054.2	3239.2	3408.7	3555.5
25°	1318.7	1611.4	1914.2	2209.2	2481.7	2726.9	2949.8	3151.1	3335.1	3497.7	3640.4
22.5°	1383.0	1687.8	2000.5	2299.3	2568.5	2811.8	3032.7	3234.6	3418.6	3579.7	3716.7
20°	1445.5	1759.0	2076.7	2379.3	2647.3	2889.1	3108.2	3309.7	3488.8	3644.8	3781.1
17.5°	1501.1	1822.4	2143.4	2443.9	2712.1	2955.0	3175.0	3377.2	3552.0	3703.5	3836.8
15°	1549.7	1877.8	2201.6	2500.4	2767.8	3009.7	3229.8	3429.8	3603.4	3753.7	3886.0
12.5°	1591.1	1925.0	2251.4	2548.7	2815.4	3056.6	3276.7	3473.9	3644.6	3793.0	3922.5
10°	1625.1	1963.9	2292.3	2588.5	2854.7	3095.3	3315.6	3510.4	3678.8	3825.6	3952.8
7.5°	1651.7	1994.3	2324.4	2619.6	2885.5	3125.6	3346.0	3539.1	3705.6	3851.3	3976.7
5°	1670.8	2016.1	2347.4	2642.0	2907.6	3147.4	3367.9	3559.8	3725.0	3869.9	3994.0
2.5°	1682.3	2029.2	2361.2	2655.4	2920.9	3160.5	3381.1	3572.2	3736.7	3881.1	4004.5
0°	1686.1	2033.6	2365.8	2659.9	2925.3	3164.9	3385.5	3576.4	3740.6	3884.8	4008.0
-2.5°	1682.3	2029.2	2361.2	2655.4	2920.9	3160.5	3381.1	3572.2	3736.7	3881.1	4004.5
-5°	1670.8	2016.1	2347.4	2642.0	2907.6	3147.4	3367.9	3559.8	3725.0	3869.9	3994.0
-7.5°	1651.7	1994.3	2324.4	2619.6	2885.5	3125.6	3346.0	3539.1	3705.6	3851.3	3976.7
-10°	1625.1	1963.9	2292.3	2588.5	2854.7	3095.3	3315.6	3510.4	3678.8	3825.6	3952.8
-12.5°	1591.1	1925.0	2251.4	2548.7	2815.4	3056.6	3276.7	3473.9	3644.6	3793.0	3922.5
-15°	1549.7	1877.8	2201.6	2500.4	2767.8	3009.7	3229.8	3429.8	3603.4	3753.7	3886.0
-17.5°	1501.1	1822.4	2143.4	2443.9	2712.1	2955.0	3175.0	3377.2	3552.0	3703.5	3836.8
-20°	1445.5	1759.0	2076.7	2379.3	2647.3	2889.1	3108.2	3309.7	3488.8	3644.8	3781.1



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 CATALOG NUMBER: GFLD-SA2E-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°	1383.0	1687.8	2000.5	2299.3	2568.5	2811.8	3032.7	3234.6	3418.6	3579.7	3716.7
-25°	1318.7	1611.4	1914.2	2209.2	2481.7	2726.9	2949.8	3151.1	3335.1	3497.7	3640.4
-27.5°	1253.6	1528.0	1820.0	2110.9	2387.2	2631.8	2852.8	3054.2	3239.2	3408.7	3555.5
-30°	1183.1	1437.8	1718.2	2003.6	2275.0	2521.8	2745.7	2950.3	3134.2	3302.6	3454.1
-32.5°	1107.5	1342.2	1611.4	1884.9	2152.2	2404.4	2628.8	2830.8	3016.2	3186.6	3341.2
-35°	1034.1	1253.6	1499.0	1759.0	2021.4	2269.1	2495.4	2702.0	2888.4	3056.3	3211.9
-37.5°	968.1	1159.9	1380.1	1627.9	1877.8	2121.4	2353.9	2556.8	2744.6	2917.5	3069.7
-40°	898.6	1061.2	1268.3	1492.6	1727.4	1963.9	2188.7	2400.8	2587.8	2758.8	2917.5
-42.5°	827.2	980.9	1156.0	1351.3	1574.0	1795.7	2016.1	2222.5	2416.1	2587.8	2744.6
-45°	763.8	897.7	1043.5	1224.5	1416.0	1623.3	1830.1	2033.6	2222.5	2400.8	2556.8
-47.5°	698.0	815.1	949.7	1093.5	1266.0	1448.5	1639.8	1830.1	2016.1	2188.7	2353.9
-50°	633.4	740.6	852.7	981.1	1121.0	1279.9	1448.5	1623.3	1795.7	1963.9	2121.4
-52.5°	577.8	663.8	766.5	873.6	991.7	1121.0	1266.0	1416.0	1574.0	1727.4	1877.8
-55°	520.5	597.9	681.0	775.1	873.6	981.1	1093.5	1224.5	1351.3	1492.6	1627.9
-57.5°	470.7	533.9	604.7	681.0	766.5	852.7	949.7	1043.5	1156.0	1268.3	1380.1
-60°	424.9	475.8	533.9	597.9	663.8	740.6	815.1	897.7	980.9	1061.2	1159.9
-62.5°	379.2	424.9	470.7	520.5	577.8	633.4	698.0	763.8	827.2	898.6	968.1
-65°	337.2	374.7	414.8	455.5	495.2	544.5	593.4	640.7	696.3	751.3	803.7
-67.5°	294.5	328.4	361.5	394.8	430.5	465.1	498.5	540.7	581.5	620.5	660.3
-70°	249.4	281.0	310.8	339.6	367.5	395.7	425.4	454.1	481.5	510.5	543.4
-72.5°	203.3	231.1	258.2	284.6	309.2	332.9	355.8	377.8	400.6	423.5	445.3
-75°	159.3	180.9	203.9	226.5	248.5	269.8	290.2	309.1	327.1	344.4	360.8
-77.5°	116.6	134.6	152.2	169.4	186.3	204.0	221.1	237.6	253.4	268.4	282.7
-80°	78.4	88.3	102.2	115.9	129.2	142.0	154.5	166.4	177.8	189.3	200.7
-82.5°	48.7	56.1	63.4	70.5	77.3	83.9	91.0	100.0	108.5	116.7	124.5
-85°	22.0	23.9	28.7	33.4	38.0	42.4	46.6	50.7	54.6	58.4	61.9
-87.5°	11.0	11.9	12.8	13.7	14.5	15.4	16.1	16.9	17.6	18.3	19.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-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°	19.6	20.2	20.7	21.2	21.7	22.1	22.5	22.8	23.1	23.3	23.5
85°	65.3	68.4	71.4	74.1	76.6	78.9	81.0	82.8	84.4	85.7	86.8
82.5°	131.8	138.7	145.1	151.1	156.6	161.6	166.1	170.1	173.6	176.5	179.0
80°	211.5	221.7	231.2	239.9	248.0	255.4	262.1	267.9	273.1	277.4	281.0
77.5°	295.8	308.0	319.3	329.8	339.5	348.4	356.3	363.4	369.5	374.7	379.0
75°	376.4	391.6	407.1	421.5	434.7	446.8	457.7	467.3	475.8	482.9	488.8
72.5°	466.0	485.4	504.9	527.1	547.5	566.2	583.0	597.9	610.9	622.0	631.1
70°	574.5	603.8	631.3	659.3	689.0	716.2	740.6	762.4	781.3	797.5	810.7
67.5°	704.8	746.8	786.1	822.7	860.7	897.7	931.0	960.6	986.4	1008.4	1026.5
65°	857.2	913.5	966.3	1015.4	1061.2	1114.8	1163.2	1206.2	1243.7	1275.7	1302.0
62.5°	1034.1	1107.5	1183.1	1253.6	1318.7	1383.0	1445.5	1501.1	1549.7	1591.1	1625.1
60°	1253.6	1342.2	1437.8	1528.0	1611.4	1687.8	1759.0	1822.4	1877.8	1925.0	1963.9
57.5°	1499.0	1611.4	1718.2	1820.0	1914.2	2000.5	2076.7	2143.4	2201.6	2251.4	2292.3
55°	1759.0	1884.9	2003.6	2110.9	2209.2	2299.3	2379.3	2443.9	2500.4	2548.7	2588.5
52.5°	2021.4	2152.2	2275.0	2387.2	2481.7	2568.5	2647.3	2712.1	2767.8	2815.4	2854.7
50°	2269.1	2404.4	2521.8	2631.8	2726.9	2811.8	2889.1	2955.0	3009.7	3056.6	3095.3
47.5°	2495.4	2628.8	2745.7	2852.8	2949.8	3032.7	3108.2	3175.0	3229.8	3276.7	3315.6
45°	2702.0	2830.8	2950.3	3054.2	3151.1	3234.6	3309.7	3377.2	3429.8	3473.9	3510.4
42.5°	2888.4	3016.2	3134.2	3239.2	3335.1	3418.6	3488.8	3552.0	3603.4	3644.6	3678.8
40°	3056.3	3186.6	3302.6	3408.7	3497.7	3579.7	3644.8	3703.5	3753.7	3793.0	3825.6
37.5°	3211.9	3341.2	3454.1	3555.5	3640.4	3716.7	3781.1	3836.8	3886.0	3922.5	3952.8
35°	3354.2	3477.0	3588.7	3681.6	3765.8	3837.7	3901.1	3952.5	3998.2	4032.9	4060.6
32.5°	3477.0	3598.8	3702.5	3794.0	3876.2	3943.3	4004.2	4051.2	4092.7	4126.1	4151.8
30°	3588.7	3702.5	3803.5	3894.2	3969.1	4034.4	4089.2	4135.1	4173.4	4205.3	4227.9
27.5°	3681.6	3794.0	3894.2	3977.8	4049.4	4112.3	4162.4	4206.7	4240.1	4269.5	4288.9
25°	3765.8	3876.2	3969.1	4049.4	4119.0	4176.4	4224.1	4264.2	4293.8	4318.9	4333.4
22.5°	3837.7	3943.3	4034.4	4112.3	4176.4	4230.0	4275.0	4308.9	4333.2	4348.4	4357.0
20°	3901.1	4004.2	4089.2	4162.4	4224.1	4275.0	4314.0	4339.1	4356.1	4360.2	4362.7
17.5°	3952.5	4051.2	4135.1	4206.7	4264.2	4308.9	4339.1	4356.9	4361.9	4361.0	4358.4
15°	3998.2	4092.7	4173.4	4240.1	4293.8	4333.2	4356.1	4361.9	4360.4	4355.3	4347.5
12.5°	4032.9	4126.1	4205.3	4269.5	4318.9	4348.4	4360.2	4361.0	4355.3	4345.6	4334.4
10°	4060.6	4151.8	4227.9	4288.9	4333.4	4357.0	4362.7	4358.4	4347.5	4334.4	4322.0
7.5°	4082.5	4172.2	4245.9	4304.4	4342.9	4359.6	4360.8	4352.9	4339.7	4324.9	4311.5
5°	4098.3	4186.9	4259.0	4315.7	4349.8	4361.5	4359.4	4348.6	4333.3	4317.7	4305.5
2.5°	4107.9	4195.9	4266.9	4322.6	4354.1	4362.7	4358.6	4345.9	4329.2	4313.2	4301.5
0°	4111.1	4198.9	4269.6	4324.9	4355.5	4363.1	4358.3	4345.0	4327.8	4311.6	4300.1
-2.5°	4107.9	4195.9	4266.9	4322.6	4354.1	4362.7	4358.6	4345.9	4329.2	4313.2	4301.5
-5°	4098.3	4186.9	4259.0	4315.7	4349.8	4361.5	4359.4	4348.6	4333.3	4317.7	4305.5
-7.5°	4082.5	4172.2	4245.9	4304.4	4342.9	4359.6	4360.8	4352.9	4339.7	4324.9	4311.5
-10°	4060.6	4151.8	4227.9	4288.9	4333.4	4357.0	4362.7	4358.4	4347.5	4334.4	4322.0
-12.5°	4032.9	4126.1	4205.3	4269.5	4318.9	4348.4	4360.2	4361.0	4355.3	4345.6	4334.4
-15°	3998.2	4092.7	4173.4	4240.1	4293.8	4333.2	4356.1	4361.9	4360.4	4355.3	4347.5
-17.5°	3952.5	4051.2	4135.1	4206.7	4264.2	4308.9	4339.1	4356.9	4361.9	4361.0	4358.4
-20°	3901.1	4004.2	4089.2	4162.4	4224.1	4275.0	4314.0	4339.1	4356.1	4360.2	4362.7



REPORT NUMBER: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-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°	3837.7	3943.3	4034.4	4112.3	4176.4	4230.0	4275.0	4308.9	4333.2	4348.4	4357.0
-25°	3765.8	3876.2	3969.1	4049.4	4119.0	4176.4	4224.1	4264.2	4293.8	4318.9	4333.4
-27.5°	3681.6	3794.0	3894.2	3977.8	4049.4	4112.3	4162.4	4206.7	4240.1	4269.5	4288.9
-30°	3588.7	3702.5	3803.5	3894.2	3969.1	4034.4	4089.2	4135.1	4173.4	4205.3	4227.9
-32.5°	3477.0	3598.8	3702.5	3794.0	3876.2	3943.3	4004.2	4051.2	4092.7	4126.1	4151.8
-35°	3354.2	3477.0	3588.7	3681.6	3765.8	3837.7	3901.1	3952.5	3998.2	4032.9	4060.6
-37.5°	3211.9	3341.2	3454.1	3555.5	3640.4	3716.7	3781.1	3836.8	3886.0	3922.5	3952.8
-40°	3056.3	3186.6	3302.6	3408.7	3497.7	3579.7	3644.8	3703.5	3753.7	3793.0	3825.6
-42.5°	2888.4	3016.2	3134.2	3239.2	3335.1	3418.6	3488.8	3552.0	3603.4	3644.6	3678.8
-45°	2702.0	2830.8	2950.3	3054.2	3151.1	3234.6	3309.7	3377.2	3429.8	3473.9	3510.4
-47.5°	2495.4	2628.8	2745.7	2852.8	2949.8	3032.7	3108.2	3175.0	3229.8	3276.7	3315.6
-50°	2269.1	2404.4	2521.8	2631.8	2726.9	2811.8	2889.1	2955.0	3009.7	3056.6	3095.3
-52.5°	2021.4	2152.2	2275.0	2387.2	2481.7	2568.5	2647.3	2712.1	2767.8	2815.4	2854.7
-55°	1759.0	1884.9	2003.6	2110.9	2209.2	2299.3	2379.3	2443.9	2500.4	2548.7	2588.5
-57.5°	1499.0	1611.4	1718.2	1820.0	1914.2	2000.5	2076.7	2143.4	2201.6	2251.4	2292.3
-60°	1253.6	1342.2	1437.8	1528.0	1611.4	1687.8	1759.0	1822.4	1877.8	1925.0	1963.9
-62.5°	1034.1	1107.5	1183.1	1253.6	1318.7	1383.0	1445.5	1501.1	1549.7	1591.1	1625.1
-65°	857.2	913.5	966.3	1015.4	1061.2	1114.8	1163.2	1206.2	1243.7	1275.7	1302.0
-67.5°	704.8	746.8	786.1	822.7	860.7	897.7	931.0	960.6	986.4	1008.4	1026.5
-70°	574.5	603.8	631.3	659.3	689.0	716.2	740.6	762.4	781.3	797.5	810.7
-72.5°	466.0	485.4	504.9	527.1	547.5	566.2	583.0	597.9	610.9	622.0	631.1
-75°	376.4	391.6	407.1	421.5	434.7	446.8	457.7	467.3	475.8	482.9	488.8
-77.5°	295.8	308.0	319.3	329.8	339.5	348.4	356.3	363.4	369.5	374.7	379.0
-80°	211.5	221.7	231.2	239.9	248.0	255.4	262.1	267.9	273.1	277.4	281.0
-82.5°	131.8	138.7	145.1	151.1	156.6	161.6	166.1	170.1	173.6	176.5	179.0
-85°	65.3	68.4	71.4	74.1	76.6	78.9	81.0	82.8	84.4	85.7	86.8
-87.5°	19.6	20.2	20.7	21.2	21.7	22.1	22.5	22.8	23.1	23.3	23.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-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°	23.7	23.8	23.9	23.9	23.9	23.8	23.7	23.5	23.3	23.1	22.8
85°	87.7	88.3	88.7	88.8	88.7	88.3	87.7	86.8	85.7	84.4	82.8
82.5°	180.9	182.2	183.0	183.3	183.0	182.2	180.9	179.0	176.5	173.6	170.1
80°	283.8	285.8	287.0	287.4	287.0	285.8	283.8	281.0	277.4	273.1	267.9
77.5°	382.4	384.8	386.2	386.7	386.2	384.8	382.4	379.0	374.7	369.5	363.4
75°	493.4	496.7	498.6	499.3	498.6	496.7	493.4	488.8	482.9	475.8	467.3
72.5°	638.2	643.2	646.3	647.3	646.3	643.2	638.2	631.1	622.0	610.9	597.9
70°	821.1	828.5	832.9	834.4	832.9	828.5	821.1	810.7	797.5	781.3	762.4
67.5°	1040.6	1050.7	1056.8	1058.8	1056.8	1050.7	1040.6	1026.5	1008.4	986.4	960.6
65°	1322.5	1337.2	1346.0	1349.0	1346.0	1337.2	1322.5	1302.0	1275.7	1243.7	1206.2
62.5°	1651.7	1670.8	1682.3	1686.1	1682.3	1670.8	1651.7	1625.1	1591.1	1549.7	1501.1
60°	1994.3	2016.1	2029.2	2033.6	2029.2	2016.1	1994.3	1963.9	1925.0	1877.8	1822.4
57.5°	2324.4	2347.4	2361.2	2365.8	2361.2	2347.4	2324.4	2292.3	2251.4	2201.6	2143.4
55°	2619.6	2642.0	2655.4	2659.9	2655.4	2642.0	2619.6	2588.5	2548.7	2500.4	2443.9
52.5°	2885.5	2907.6	2920.9	2925.3	2920.9	2907.6	2885.5	2854.7	2815.4	2767.8	2712.1
50°	3125.6	3147.4	3160.5	3164.9	3160.5	3147.4	3125.6	3095.3	3056.6	3009.7	2955.0
47.5°	3346.0	3367.9	3381.1	3385.5	3381.1	3367.9	3346.0	3315.6	3276.7	3229.8	3175.0
45°	3539.1	3559.8	3572.2	3576.4	3572.2	3559.8	3539.1	3510.4	3473.9	3429.8	3377.2
42.5°	3705.6	3725.0	3736.7	3740.6	3736.7	3725.0	3705.6	3678.8	3644.6	3603.4	3552.0
40°	3851.3	3869.9	3881.1	3884.8	3881.1	3869.9	3851.3	3825.6	3793.0	3753.7	3703.5
37.5°	3976.7	3994.0	4004.5	4008.0	4004.5	3994.0	3976.7	3952.8	3922.5	3886.0	3836.8
35°	4082.5	4098.3	4107.9	4111.1	4107.9	4098.3	4082.5	4060.6	4032.9	3998.2	3952.5
32.5°	4172.2	4186.9	4195.9	4198.9	4195.9	4186.9	4172.2	4151.8	4126.1	4092.7	4051.2
30°	4245.9	4259.0	4266.9	4269.6	4266.9	4259.0	4245.9	4227.9	4205.3	4173.4	4135.1
27.5°	4304.4	4315.7	4322.6	4324.9	4322.6	4315.7	4304.4	4288.9	4269.5	4240.1	4206.7
25°	4342.9	4349.8	4354.1	4355.5	4354.1	4349.8	4342.9	4333.4	4318.9	4293.8	4264.2
22.5°	4359.6	4361.5	4362.7	4363.1	4362.7	4361.5	4359.6	4357.0	4348.4	4333.2	4308.9
20°	4360.8	4359.4	4358.6	4358.3	4358.6	4359.4	4360.8	4362.7	4360.2	4356.1	4339.1
17.5°	4352.9	4348.6	4345.9	4345.0	4345.9	4348.6	4352.9	4358.4	4361.0	4361.9	4356.9
15°	4339.7	4333.3	4329.2	4327.8	4329.2	4333.3	4339.7	4347.5	4355.3	4360.4	4361.9
12.5°	4324.9	4317.7	4313.2	4311.6	4313.2	4317.7	4324.9	4334.4	4345.6	4355.3	4361.0
10°	4311.5	4305.5	4301.5	4300.1	4301.5	4305.5	4311.5	4322.0	4334.4	4347.5	4358.4
7.5°	4302.8	4297.4	4294.5	4293.4	4294.5	4297.4	4302.8	4311.5	4324.9	4339.7	4352.9
5°	4297.4	4292.1	4287.6	4285.8	4287.6	4292.1	4297.4	4305.5	4317.7	4333.3	4348.6
2.5°	4294.5	4287.6	4280.8	4277.2	4280.8	4287.6	4294.5	4301.5	4313.2	4329.2	4345.9
0°	4293.4	4285.8	4277.2	4278.1	4277.2	4285.8	4293.4	4300.1	4311.6	4327.8	4345.0
-2.5°	4294.5	4287.6	4280.8	4277.2	4280.8	4287.6	4294.5	4301.5	4313.2	4329.2	4345.9
-5°	4297.4	4292.1	4287.6	4285.8	4287.6	4292.1	4297.4	4305.5	4317.7	4333.3	4348.6
-7.5°	4302.8	4297.4	4294.5	4293.4	4294.5	4297.4	4302.8	4311.5	4324.9	4339.7	4352.9
-10°	4311.5	4305.5	4301.5	4300.1	4301.5	4305.5	4311.5	4322.0	4334.4	4347.5	4358.4
-12.5°	4324.9	4317.7	4313.2	4311.6	4313.2	4317.7	4324.9	4334.4	4345.6	4355.3	4361.0
-15°	4339.7	4333.3	4329.2	4327.8	4329.2	4333.3	4339.7	4347.5	4355.3	4360.4	4361.9
-17.5°	4352.9	4348.6	4345.9	4345.0	4345.9	4348.6	4352.9	4358.4	4361.0	4361.9	4356.9
-20°	4360.8	4359.4	4358.6	4358.3	4358.6	4359.4	4360.8	4362.7	4360.2	4356.1	4339.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-727-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°	4359.6	4361.5	4362.7	4363.1	4362.7	4361.5	4359.6	4357.0	4348.4	4333.2	4308.9
-25°	4342.9	4349.8	4354.1	4355.5	4354.1	4349.8	4342.9	4333.4	4318.9	4293.8	4264.2
-27.5°	4304.4	4315.7	4322.6	4324.9	4322.6	4315.7	4304.4	4288.9	4269.5	4240.1	4206.7
-30°	4245.9	4259.0	4266.9	4269.6	4266.9	4259.0	4245.9	4227.9	4205.3	4173.4	4135.1
-32.5°	4172.2	4186.9	4195.9	4198.9	4195.9	4186.9	4172.2	4151.8	4126.1	4092.7	4051.2
-35°	4082.5	4098.3	4107.9	4111.1	4107.9	4098.3	4082.5	4060.6	4032.9	3998.2	3952.5
-37.5°	3976.7	3994.0	4004.5	4008.0	4004.5	3994.0	3976.7	3952.8	3922.5	3886.0	3836.8
-40°	3851.3	3869.9	3881.1	3884.8	3881.1	3869.9	3851.3	3825.6	3793.0	3753.7	3703.5
-42.5°	3705.6	3725.0	3736.7	3740.6	3736.7	3725.0	3705.6	3678.8	3644.6	3603.4	3552.0
-45°	3539.1	3559.8	3572.2	3576.4	3572.2	3559.8	3539.1	3510.4	3473.9	3429.8	3377.2
-47.5°	3346.0	3367.9	3381.1	3385.5	3381.1	3367.9	3346.0	3315.6	3276.7	3229.8	3175.0
-50°	3125.6	3147.4	3160.5	3164.9	3160.5	3147.4	3125.6	3095.3	3056.6	3009.7	2955.0
-52.5°	2885.5	2907.6	2920.9	2925.3	2920.9	2907.6	2885.5	2854.7	2815.4	2767.8	2712.1
-55°	2619.6	2642.0	2655.4	2659.9	2655.4	2642.0	2619.6	2588.5	2548.7	2500.4	2443.9
-57.5°	2324.4	2347.4	2361.2	2365.8	2361.2	2347.4	2324.4	2292.3	2251.4	2201.6	2143.4
-60°	1994.3	2016.1	2029.2	2033.6	2029.2	2016.1	1994.3	1963.9	1925.0	1877.8	1822.4
-62.5°	1651.7	1670.8	1682.3	1686.1	1682.3	1670.8	1651.7	1625.1	1591.1	1549.7	1501.1
-65°	1322.5	1337.2	1346.0	1349.0	1346.0	1337.2	1322.5	1302.0	1275.7	1243.7	1206.2
-67.5°	1040.6	1050.7	1056.8	1058.8	1056.8	1050.7	1040.6	1026.5	1008.4	986.4	960.6
-70°	821.1	828.5	832.9	834.4	832.9	828.5	821.1	810.7	797.5	781.3	762.4
-72.5°	638.2	643.2	646.3	647.3	646.3	643.2	638.2	631.1	622.0	610.9	597.9
-75°	493.4	496.7	498.6	499.3	498.6	496.7	493.4	488.8	482.9	475.8	467.3
-77.5°	382.4	384.8	386.2	386.7	386.2	384.8	382.4	379.0	374.7	369.5	363.4
-80°	283.8	285.8	287.0	287.4	287.0	285.8	283.8	281.0	277.4	273.1	267.9
-82.5°	180.9	182.2	183.0	183.3	183.0	182.2	180.9	179.0	176.5	173.6	170.1
-85°	87.7	88.3	88.7	88.8	88.7	88.3	87.7	86.8	85.7	84.4	82.8
-87.5°	23.7	23.8	23.9	23.9	23.9	23.8	23.7	23.5	23.3	23.1	22.8
-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: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-727-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°	22.5	22.1	21.7	21.2	20.7	20.2	19.6	19.0	18.3	17.6	16.9
85°	81.0	78.9	76.6	74.1	71.4	68.4	65.3	61.9	58.4	54.6	50.7
82.5°	166.1	161.6	156.6	151.1	145.1	138.7	131.8	124.5	116.7	108.5	100.0
80°	262.1	255.4	248.0	239.9	231.2	221.7	211.5	200.7	189.3	177.8	166.4
77.5°	356.3	348.4	339.5	329.8	319.3	308.0	295.8	282.7	268.4	253.4	237.6
75°	457.7	446.8	434.7	421.5	407.1	391.6	376.4	360.8	344.4	327.1	309.1
72.5°	583.0	566.2	547.5	527.1	504.9	485.4	466.0	445.3	423.5	400.6	377.8
70°	740.6	716.2	689.0	659.3	631.3	603.8	574.5	543.4	510.5	481.5	454.1
67.5°	931.0	897.7	860.7	822.7	786.1	746.8	704.8	660.3	620.5	581.5	540.7
65°	1163.2	1114.8	1061.2	1015.4	966.3	913.5	857.2	803.7	751.3	696.3	640.7
62.5°	1445.5	1383.0	1318.7	1253.6	1183.1	1107.5	1034.1	968.1	898.6	827.2	763.8
60°	1759.0	1687.8	1611.4	1528.0	1437.8	1342.2	1253.6	1159.9	1061.2	980.9	897.7
57.5°	2076.7	2000.5	1914.2	1820.0	1718.2	1611.4	1499.0	1380.1	1268.3	1156.0	1043.5
55°	2379.3	2299.3	2209.2	2110.9	2003.6	1884.9	1759.0	1627.9	1492.6	1351.3	1224.5
52.5°	2647.3	2568.5	2481.7	2387.2	2275.0	2152.2	2021.4	1877.8	1727.4	1574.0	1416.0
50°	2889.1	2811.8	2726.9	2631.8	2521.8	2404.4	2269.1	2121.4	1963.9	1795.7	1623.3
47.5°	3108.2	3032.7	2949.8	2852.8	2745.7	2628.8	2495.4	2353.9	2188.7	2016.1	1830.1
45°	3309.7	3234.6	3151.1	3054.2	2950.3	2830.8	2702.0	2556.8	2400.8	2222.5	2033.6
42.5°	3488.8	3418.6	3335.1	3239.2	3134.2	3016.2	2888.4	2744.6	2587.8	2416.1	2222.5
40°	3644.8	3579.7	3497.7	3408.7	3302.6	3186.6	3056.3	2917.5	2758.8	2587.8	2400.8
37.5°	3781.1	3716.7	3640.4	3555.5	3454.1	3341.2	3211.9	3069.7	2917.5	2744.6	2556.8
35°	3901.1	3837.7	3765.8	3681.6	3588.7	3477.0	3354.2	3211.9	3056.3	2888.4	2702.0
32.5°	4004.2	3943.3	3876.2	3794.0	3702.5	3598.8	3477.0	3341.2	3186.6	3016.2	2830.8
30°	4089.2	4034.4	3969.1	3894.2	3803.5	3702.5	3588.7	3454.1	3302.6	3134.2	2950.3
27.5°	4162.4	4112.3	4049.4	3977.8	3894.2	3794.0	3681.6	3555.5	3408.7	3239.2	3054.2
25°	4224.1	4176.4	4119.0	4049.4	3969.1	3876.2	3765.8	3640.4	3497.7	3335.1	3151.1
22.5°	4275.0	4230.0	4176.4	4112.3	4034.4	3943.3	3837.7	3716.7	3579.7	3418.6	3234.6
20°	4314.0	4275.0	4224.1	4162.4	4089.2	4004.2	3901.1	3781.1	3644.8	3488.8	3309.7
17.5°	4339.1	4308.9	4264.2	4206.7	4135.1	4051.2	3952.5	3836.8	3703.5	3552.0	3377.2
15°	4356.1	4333.2	4293.8	4240.1	4173.4	4092.7	3998.2	3886.0	3753.7	3603.4	3429.8
12.5°	4360.2	4348.4	4318.9	4269.5	4205.3	4126.1	4032.9	3922.5	3793.0	3644.6	3473.9
10°	4362.7	4357.0	4333.4	4288.9	4227.9	4151.8	4060.6	3952.8	3825.6	3678.8	3510.4
7.5°	4360.8	4359.6	4342.9	4304.4	4245.9	4172.2	4082.5	3976.7	3851.3	3705.6	3539.1
5°	4359.4	4361.5	4349.8	4315.7	4259.0	4186.9	4098.3	3994.0	3869.9	3725.0	3559.8
2.5°	4358.6	4362.7	4354.1	4322.6	4266.9	4195.9	4107.9	4004.5	3881.1	3736.7	3572.2
0°	4358.3	4363.1	4355.5	4324.9	4269.6	4198.9	4111.1	4008.0	3884.8	3740.6	3576.4
-2.5°	4358.6	4362.7	4354.1	4322.6	4266.9	4195.9	4107.9	4004.5	3881.1	3736.7	3572.2
-5°	4359.4	4361.5	4349.8	4315.7	4259.0	4186.9	4098.3	3994.0	3869.9	3725.0	3559.8
-7.5°	4360.8	4359.6	4342.9	4304.4	4245.9	4172.2	4082.5	3976.7	3851.3	3705.6	3539.1
-10°	4362.7	4357.0	4333.4	4288.9	4227.9	4151.8	4060.6	3952.8	3825.6	3678.8	3510.4
-12.5°	4360.2	4348.4	4318.9	4269.5	4205.3	4126.1	4032.9	3922.5	3793.0	3644.6	3473.9
-15°	4356.1	4333.2	4293.8	4240.1	4173.4	4092.7	3998.2	3886.0	3753.7	3603.4	3429.8
-17.5°	4339.1	4308.9	4264.2	4206.7	4135.1	4051.2	3952.5	3836.8	3703.5	3552.0	3377.2
-20°	4314.0	4275.0	4224.1	4162.4	4089.2	4004.2	3901.1	3781.1	3644.8	3488.8	3309.7



REPORT NUMBER: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-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°	4275.0	4230.0	4176.4	4112.3	4034.4	3943.3	3837.7	3716.7	3579.7	3418.6	3234.6
-25°	4224.1	4176.4	4119.0	4049.4	3969.1	3876.2	3765.8	3640.4	3497.7	3335.1	3151.1
-27.5°	4162.4	4112.3	4049.4	3977.8	3894.2	3794.0	3681.6	3555.5	3408.7	3239.2	3054.2
-30°	4089.2	4034.4	3969.1	3894.2	3803.5	3702.5	3588.7	3454.1	3302.6	3134.2	2950.3
-32.5°	4004.2	3943.3	3876.2	3794.0	3702.5	3598.8	3477.0	3341.2	3186.6	3016.2	2830.8
-35°	3901.1	3837.7	3765.8	3681.6	3588.7	3477.0	3354.2	3211.9	3056.3	2888.4	2702.0
-37.5°	3781.1	3716.7	3640.4	3555.5	3454.1	3341.2	3211.9	3069.7	2917.5	2744.6	2556.8
-40°	3644.8	3579.7	3497.7	3408.7	3302.6	3186.6	3056.3	2917.5	2758.8	2587.8	2400.8
-42.5°	3488.8	3418.6	3335.1	3239.2	3134.2	3016.2	2888.4	2744.6	2587.8	2416.1	2222.5
-45°	3309.7	3234.6	3151.1	3054.2	2950.3	2830.8	2702.0	2556.8	2400.8	2222.5	2033.6
-47.5°	3108.2	3032.7	2949.8	2852.8	2745.7	2628.8	2495.4	2353.9	2188.7	2016.1	1830.1
-50°	2889.1	2811.8	2726.9	2631.8	2521.8	2404.4	2269.1	2121.4	1963.9	1795.7	1623.3
-52.5°	2647.3	2568.5	2481.7	2387.2	2275.0	2152.2	2021.4	1877.8	1727.4	1574.0	1416.0
-55°	2379.3	2299.3	2209.2	2110.9	2003.6	1884.9	1759.0	1627.9	1492.6	1351.3	1224.5
-57.5°	2076.7	2000.5	1914.2	1820.0	1718.2	1611.4	1499.0	1380.1	1268.3	1156.0	1043.5
-60°	1759.0	1687.8	1611.4	1528.0	1437.8	1342.2	1253.6	1159.9	1061.2	980.9	897.7
-62.5°	1445.5	1383.0	1318.7	1253.6	1183.1	1107.5	1034.1	968.1	898.6	827.2	763.8
-65°	1163.2	1114.8	1061.2	1015.4	966.3	913.5	857.2	803.7	751.3	696.3	640.7
-67.5°	931.0	897.7	860.7	822.7	786.1	746.8	704.8	660.3	620.5	581.5	540.7
-70°	740.6	716.2	689.0	659.3	631.3	603.8	574.5	543.4	510.5	481.5	454.1
-72.5°	583.0	566.2	547.5	527.1	504.9	485.4	466.0	445.3	423.5	400.6	377.8
-75°	457.7	446.8	434.7	421.5	407.1	391.6	376.4	360.8	344.4	327.1	309.1
-77.5°	356.3	348.4	339.5	329.8	319.3	308.0	295.8	282.7	268.4	253.4	237.6
-80°	262.1	255.4	248.0	239.9	231.2	221.7	211.5	200.7	189.3	177.8	166.4
-82.5°	166.1	161.6	156.6	151.1	145.1	138.7	131.8	124.5	116.7	108.5	100.0
-85°	81.0	78.9	76.6	74.1	71.4	68.4	65.3	61.9	58.4	54.6	50.7
-87.5°	22.5	22.1	21.7	21.2	20.7	20.2	19.6	19.0	18.3	17.6	16.9
-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: P645394 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-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°	16.1	15.4	14.5	13.7	12.8	11.9	11.0	10.1	9.1	8.2	7.2
85°	46.6	42.4	38.0	33.4	28.7	23.9	22.0	20.2	18.3	16.3	14.4
82.5°	91.0	83.9	77.3	70.5	63.4	56.1	48.7	41.1	33.3	25.4	21.5
80°	154.5	142.0	129.2	115.9	102.2	88.3	78.4	68.3	57.9	47.4	36.7
77.5°	221.1	204.0	186.3	169.4	152.2	134.6	116.6	98.2	82.3	69.2	55.9
75°	290.2	269.8	248.5	226.5	203.9	180.9	159.3	137.2	114.7	91.8	74.9
72.5°	355.8	332.9	309.2	284.6	258.2	231.1	203.3	175.8	149.6	122.9	95.9
70°	425.4	395.7	367.5	339.6	310.8	281.0	249.4	217.1	184.2	153.7	122.9
67.5°	498.5	465.1	430.5	394.8	361.5	328.4	294.5	258.6	221.7	184.2	149.6
65°	593.4	544.5	495.2	455.5	414.8	374.7	337.2	298.9	258.6	217.1	175.8
62.5°	698.0	633.4	577.8	520.5	470.7	424.9	379.2	337.2	294.5	249.4	203.3
60°	815.1	740.6	663.8	597.9	533.9	475.8	424.9	374.7	328.4	281.0	231.1
57.5°	949.7	852.7	766.5	681.0	604.7	533.9	470.7	414.8	361.5	310.8	258.2
55°	1093.5	981.1	873.6	775.1	681.0	597.9	520.5	455.5	394.8	339.6	284.6
52.5°	1266.0	1121.0	991.7	873.6	766.5	663.8	577.8	495.2	430.5	367.5	309.2
50°	1448.5	1279.9	1121.0	981.1	852.7	740.6	633.4	544.5	465.1	395.7	332.9
47.5°	1639.8	1448.5	1266.0	1093.5	949.7	815.1	698.0	593.4	498.5	425.4	355.8
45°	1830.1	1623.3	1416.0	1224.5	1043.5	897.7	763.8	640.7	540.7	454.1	377.8
42.5°	2016.1	1795.7	1574.0	1351.3	1156.0	980.9	827.2	696.3	581.5	481.5	400.6
40°	2188.7	1963.9	1727.4	1492.6	1268.3	1061.2	898.6	751.3	620.5	510.5	423.5
37.5°	2353.9	2121.4	1877.8	1627.9	1380.1	1159.9	968.1	803.7	660.3	543.4	445.3
35°	2495.4	2269.1	2021.4	1759.0	1499.0	1253.6	1034.1	857.2	704.8	574.5	466.0
32.5°	2628.8	2404.4	2152.2	1884.9	1611.4	1342.2	1107.5	913.5	746.8	603.8	485.4
30°	2745.7	2521.8	2275.0	2003.6	1718.2	1437.8	1183.1	966.3	786.1	631.3	504.9
27.5°	2852.8	2631.8	2387.2	2110.9	1820.0	1528.0	1253.6	1015.4	822.7	659.3	527.1
25°	2949.8	2726.9	2481.7	2209.2	1914.2	1611.4	1318.7	1061.2	860.7	689.0	547.5
22.5°	3032.7	2811.8	2568.5	2299.3	2000.5	1687.8	1383.0	1114.8	897.7	716.2	566.2
20°	3108.2	2889.1	2647.3	2379.3	2076.7	1759.0	1445.5	1163.2	931.0	740.6	583.0
17.5°	3175.0	2955.0	2712.1	2443.9	2143.4	1822.4	1501.1	1206.2	960.6	762.4	597.9
15°	3229.8	3009.7	2767.8	2500.4	2201.6	1877.8	1549.7	1243.7	986.4	781.3	610.9
12.5°	3276.7	3056.6	2815.4	2548.7	2251.4	1925.0	1591.1	1275.7	1008.4	797.5	622.0
10°	3315.6	3095.3	2854.7	2588.5	2292.3	1963.9	1625.1	1302.0	1026.5	810.7	631.1
7.5°	3346.0	3125.6	2885.5	2619.6	2324.4	1994.3	1651.7	1322.5	1040.6	821.1	638.2
5°	3367.9	3147.4	2907.6	2642.0	2347.4	2016.1	1670.8	1337.2	1050.7	828.5	643.2
2.5°	3381.1	3160.5	2920.9	2655.4	2361.2	2029.2	1682.3	1346.0	1056.8	832.9	646.3
0°	3385.5	3164.9	2925.3	2659.9	2365.8	2033.6	1686.1	1349.0	1058.8	834.4	647.3
-2.5°	3381.1	3160.5	2920.9	2655.4	2361.2	2029.2	1682.3	1346.0	1056.8	832.9	646.3
-5°	3367.9	3147.4	2907.6	2642.0	2347.4	2016.1	1670.8	1337.2	1050.7	828.5	643.2
-7.5°	3346.0	3125.6	2885.5	2619.6	2324.4	1994.3	1651.7	1322.5	1040.6	821.1	638.2
-10°	3315.6	3095.3	2854.7	2588.5	2292.3	1963.9	1625.1	1302.0	1026.5	810.7	631.1
-12.5°	3276.7	3056.6	2815.4	2548.7	2251.4	1925.0	1591.1	1275.7	1008.4	797.5	622.0
-15°	3229.8	3009.7	2767.8	2500.4	2201.6	1877.8	1549.7	1243.7	986.4	781.3	610.9
-17.5°	3175.0	2955.0	2712.1	2443.9	2143.4	1822.4	1501.1	1206.2	960.6	762.4	597.9
-20°	3108.2	2889.1	2647.3	2379.3	2076.7	1759.0	1445.5	1163.2	931.0	740.6	583.0

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REPORT NUMBER: P645394 (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°	3032.7	2811.8	2568.5	2299.3	2000.5	1687.8	1383.0	1114.8	897.7	716.2	566.2
-25°	2949.8	2726.9	2481.7	2209.2	1914.2	1611.4	1318.7	1061.2	860.7	689.0	547.5
-27.5°	2852.8	2631.8	2387.2	2110.9	1820.0	1528.0	1253.6	1015.4	822.7	659.3	527.1
-30°	2745.7	2521.8	2275.0	2003.6	1718.2	1437.8	1183.1	966.3	786.1	631.3	504.9
-32.5°	2628.8	2404.4	2152.2	1884.9	1611.4	1342.2	1107.5	913.5	746.8	603.8	485.4
-35°	2495.4	2269.1	2021.4	1759.0	1499.0	1253.6	1034.1	857.2	704.8	574.5	466.0
-37.5°	2353.9	2121.4	1877.8	1627.9	1380.1	1159.9	968.1	803.7	660.3	543.4	445.3
-40°	2188.7	1963.9	1727.4	1492.6	1268.3	1061.2	898.6	751.3	620.5	510.5	423.5
-42.5°	2016.1	1795.7	1574.0	1351.3	1156.0	980.9	827.2	696.3	581.5	481.5	400.6
-45°	1830.1	1623.3	1416.0	1224.5	1043.5	897.7	763.8	640.7	540.7	454.1	377.8
-47.5°	1639.8	1448.5	1266.0	1093.5	949.7	815.1	698.0	593.4	498.5	425.4	355.8
-50°	1448.5	1279.9	1121.0	981.1	852.7	740.6	633.4	544.5	465.1	395.7	332.9
-52.5°	1266.0	1121.0	991.7	873.6	766.5	663.8	577.8	495.2	430.5	367.5	309.2
-55°	1093.5	981.1	873.6	775.1	681.0	597.9	520.5	455.5	394.8	339.6	284.6
-57.5°	949.7	852.7	766.5	681.0	604.7	533.9	470.7	414.8	361.5	310.8	258.2
-60°	815.1	740.6	663.8	597.9	533.9	475.8	424.9	374.7	328.4	281.0	231.1
-62.5°	698.0	633.4	577.8	520.5	470.7	424.9	379.2	337.2	294.5	249.4	203.3
-65°	593.4	544.5	495.2	455.5	414.8	374.7	337.2	298.9	258.6	217.1	175.8
-67.5°	498.5	465.1	430.5	394.8	361.5	328.4	294.5	258.6	221.7	184.2	149.6
-70°	425.4	395.7	367.5	339.6	310.8	281.0	249.4	217.1	184.2	153.7	122.9
-72.5°	355.8	332.9	309.2	284.6	258.2	231.1	203.3	175.8	149.6	122.9	95.9
-75°	290.2	269.8	248.5	226.5	203.9	180.9	159.3	137.2	114.7	91.8	74.9
-77.5°	221.1	204.0	186.3	169.4	152.2	134.6	116.6	98.2	82.3	69.2	55.9
-80°	154.5	142.0	129.2	115.9	102.2	88.3	78.4	68.3	57.9	47.4	36.7
-82.5°	91.0	83.9	77.3	70.5	63.4	56.1	48.7	41.1	33.3	25.4	21.5
-85°	46.6	42.4	38.0	33.4	28.7	23.9	22.0	20.2	18.3	16.3	14.4
-87.5°	16.1	15.4	14.5	13.7	12.8	11.9	11.0	10.1	9.1	8.2	7.2
-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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REPORT NUMBER: P645394 (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°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
85°	12.4	10.3	8.3	6.2	4.2	2.1	0.0
82.5°	18.5	15.5	12.4	9.3	6.2	3.1	0.0
80°	25.9	20.6	16.5	12.4	8.3	4.1	0.0
77.5°	42.4	28.7	20.6	15.5	10.3	5.2	0.0
75°	58.7	42.4	25.9	18.5	12.4	6.2	0.0
72.5°	74.9	55.9	36.7	21.5	14.4	7.2	0.0
70°	91.8	69.2	47.4	25.4	16.3	8.2	0.0
67.5°	114.7	82.3	57.9	33.3	18.3	9.1	0.0
65°	137.2	98.2	68.3	41.1	20.2	10.1	0.0
62.5°	159.3	116.6	78.4	48.7	22.0	11.0	0.0
60°	180.9	134.6	88.3	56.1	23.9	11.9	0.0
57.5°	203.9	152.2	102.2	63.4	28.7	12.8	0.0
55°	226.5	169.4	115.9	70.5	33.4	13.7	0.0
52.5°	248.5	186.3	129.2	77.3	38.0	14.5	0.0
50°	269.8	204.0	142.0	83.9	42.4	15.4	0.0
47.5°	290.2	221.1	154.5	91.0	46.6	16.1	0.0
45°	309.1	237.6	166.4	100.0	50.7	16.9	0.0
42.5°	327.1	253.4	177.8	108.5	54.6	17.6	0.0
40°	344.4	268.4	189.3	116.7	58.4	18.3	0.0
37.5°	360.8	282.7	200.7	124.5	61.9	19.0	0.0
35°	376.4	295.8	211.5	131.8	65.3	19.6	0.0
32.5°	391.6	308.0	221.7	138.7	68.4	20.2	0.0
30°	407.1	319.3	231.2	145.1	71.4	20.7	0.0
27.5°	421.5	329.8	239.9	151.1	74.1	21.2	0.0
25°	434.7	339.5	248.0	156.6	76.6	21.7	0.0
22.5°	446.8	348.4	255.4	161.6	78.9	22.1	0.0
20°	457.7	356.3	262.1	166.1	81.0	22.5	0.0
17.5°	467.3	363.4	267.9	170.1	82.8	22.8	0.0
15°	475.8	369.5	273.1	173.6	84.4	23.1	0.0
12.5°	482.9	374.7	277.4	176.5	85.7	23.3	0.0
10°	488.8	379.0	281.0	179.0	86.8	23.5	0.0
7.5°	493.4	382.4	283.8	180.9	87.7	23.7	0.0
5°	496.7	384.8	285.8	182.2	88.3	23.8	0.0
2.5°	498.6	386.2	287.0	183.0	88.7	23.9	0.0
0°	499.3	386.7	287.4	183.3	88.8	23.9	0.0
-2.5°	498.6	386.2	287.0	183.0	88.7	23.9	0.0
-5°	496.7	384.8	285.8	182.2	88.3	23.8	0.0
-7.5°	493.4	382.4	283.8	180.9	87.7	23.7	0.0
-10°	488.8	379.0	281.0	179.0	86.8	23.5	0.0
-12.5°	482.9	374.7	277.4	176.5	85.7	23.3	0.0
-15°	475.8	369.5	273.1	173.6	84.4	23.1	0.0
-17.5°	467.3	363.4	267.9	170.1	82.8	22.8	0.0
-20°	457.7	356.3	262.1	166.1	81.0	22.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	446.8	348.4	255.4	161.6	78.9	22.1	0.0
-25°	434.7	339.5	248.0	156.6	76.6	21.7	0.0
-27.5°	421.5	329.8	239.9	151.1	74.1	21.2	0.0
-30°	407.1	319.3	231.2	145.1	71.4	20.7	0.0
-32.5°	391.6	308.0	221.7	138.7	68.4	20.2	0.0
-35°	376.4	295.8	211.5	131.8	65.3	19.6	0.0
-37.5°	360.8	282.7	200.7	124.5	61.9	19.0	0.0
-40°	344.4	268.4	189.3	116.7	58.4	18.3	0.0
-42.5°	327.1	253.4	177.8	108.5	54.6	17.6	0.0
-45°	309.1	237.6	166.4	100.0	50.7	16.9	0.0
-47.5°	290.2	221.1	154.5	91.0	46.6	16.1	0.0
-50°	269.8	204.0	142.0	83.9	42.4	15.4	0.0
-52.5°	248.5	186.3	129.2	77.3	38.0	14.5	0.0
-55°	226.5	169.4	115.9	70.5	33.4	13.7	0.0
-57.5°	203.9	152.2	102.2	63.4	28.7	12.8	0.0
-60°	180.9	134.6	88.3	56.1	23.9	11.9	0.0
-62.5°	159.3	116.6	78.4	48.7	22.0	11.0	0.0
-65°	137.2	98.2	68.3	41.1	20.2	10.1	0.0
-67.5°	114.7	82.3	57.9	33.3	18.3	9.1	0.0
-70°	91.8	69.2	47.4	25.4	16.3	8.2	0.0
-72.5°	74.9	55.9	36.7	21.5	14.4	7.2	0.0
-75°	58.7	42.4	25.9	18.5	12.4	6.2	0.0
-77.5°	42.4	28.7	20.6	15.5	10.3	5.2	0.0
-80°	25.9	20.6	16.5	12.4	8.3	4.1	0.0
-82.5°	18.5	15.5	12.4	9.3	6.2	3.1	0.0
-85°	12.4	10.3	8.3	6.2	4.2	2.1	0.0
-87.5°	6.2	5.2	4.1	3.1	2.1	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)