

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: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645410 (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-SA3B-735-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQUARE, LAMBERTIAN
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

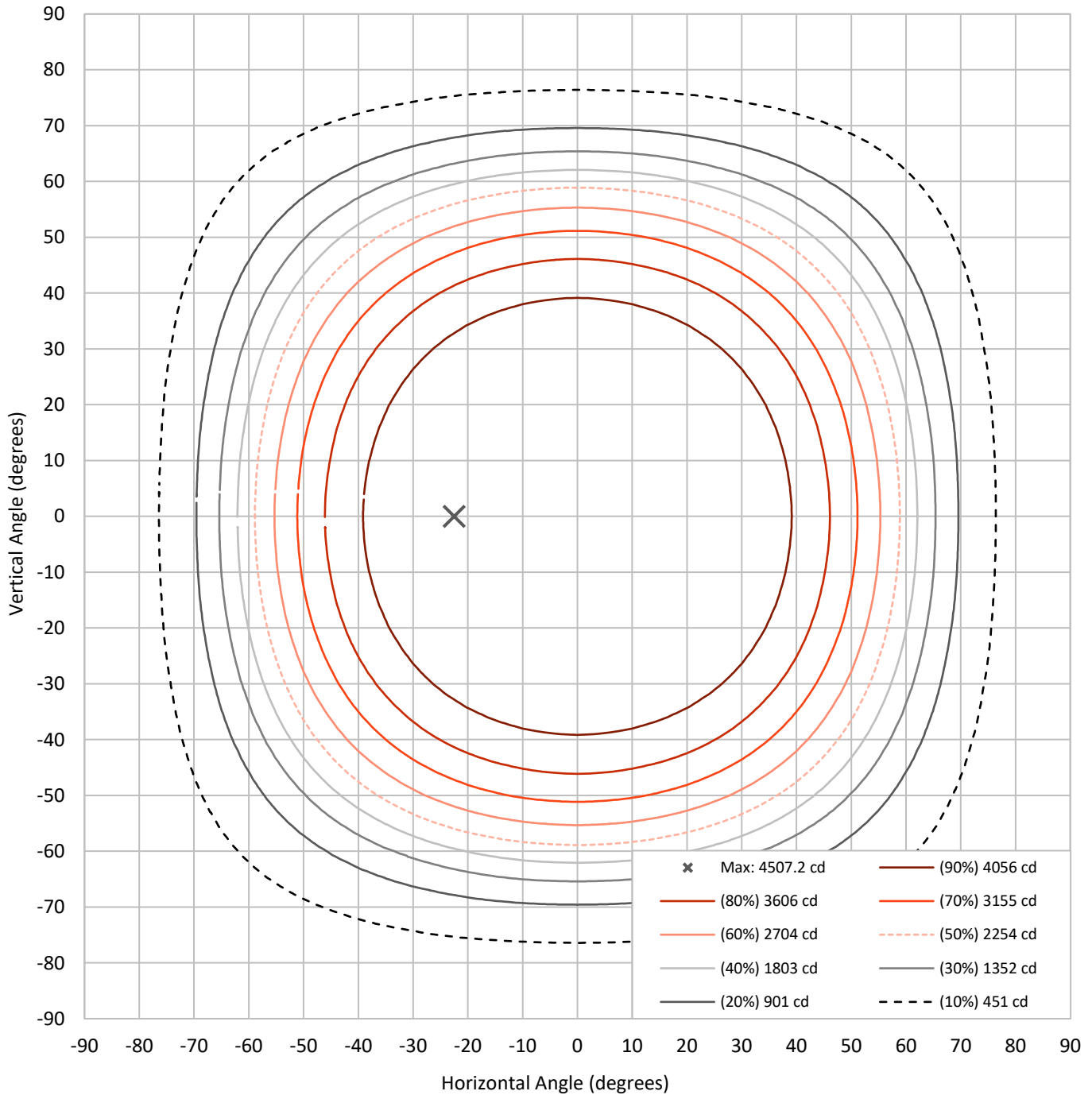
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	13787.8 lumens	Max Intensity:	4507.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	147.1 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:	11474.5 lumens	Field Lumens:	13516.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	93.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



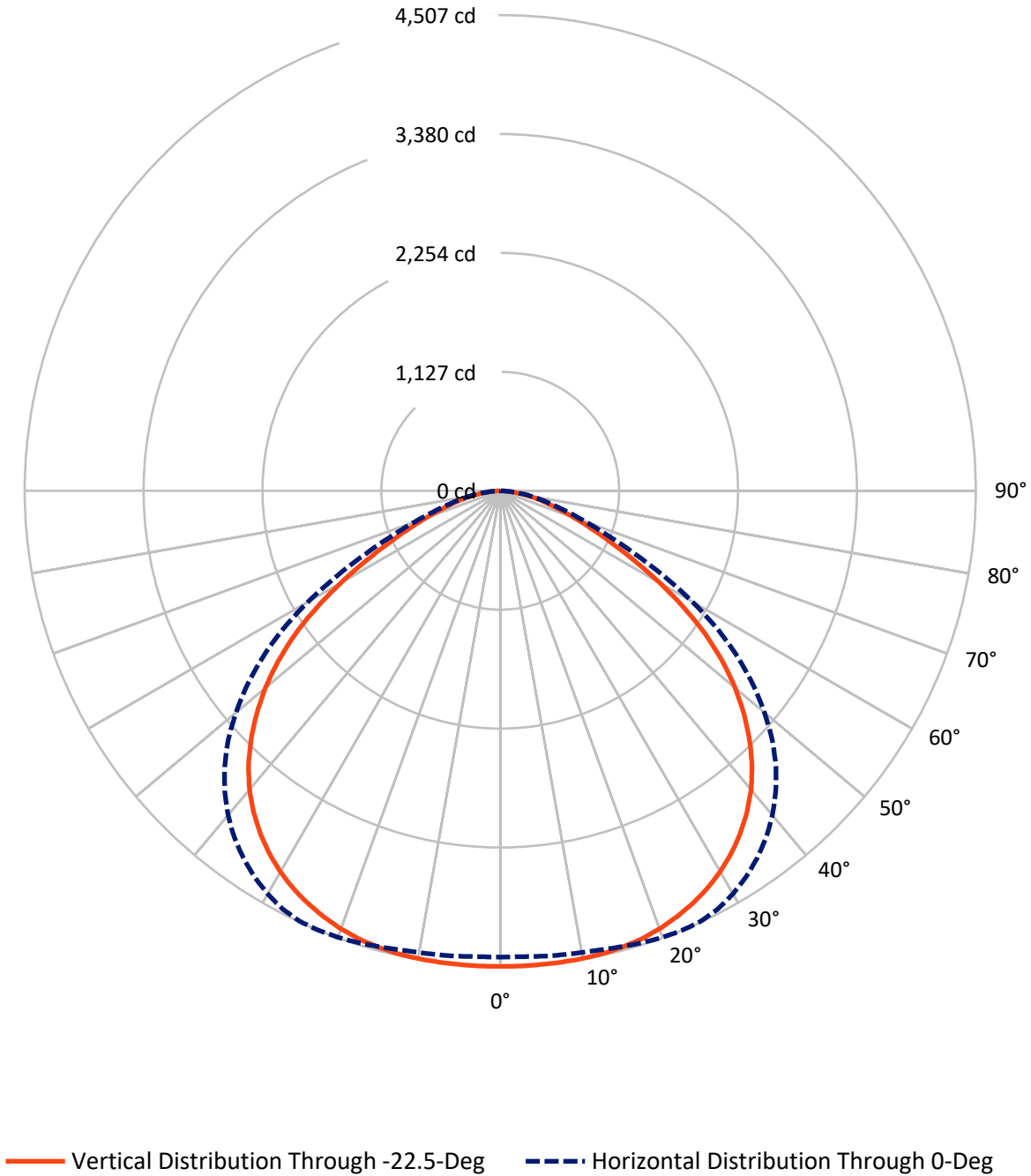
REPORT NUMBER: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-735-U-LAM-XX

Iso-Candela Plot



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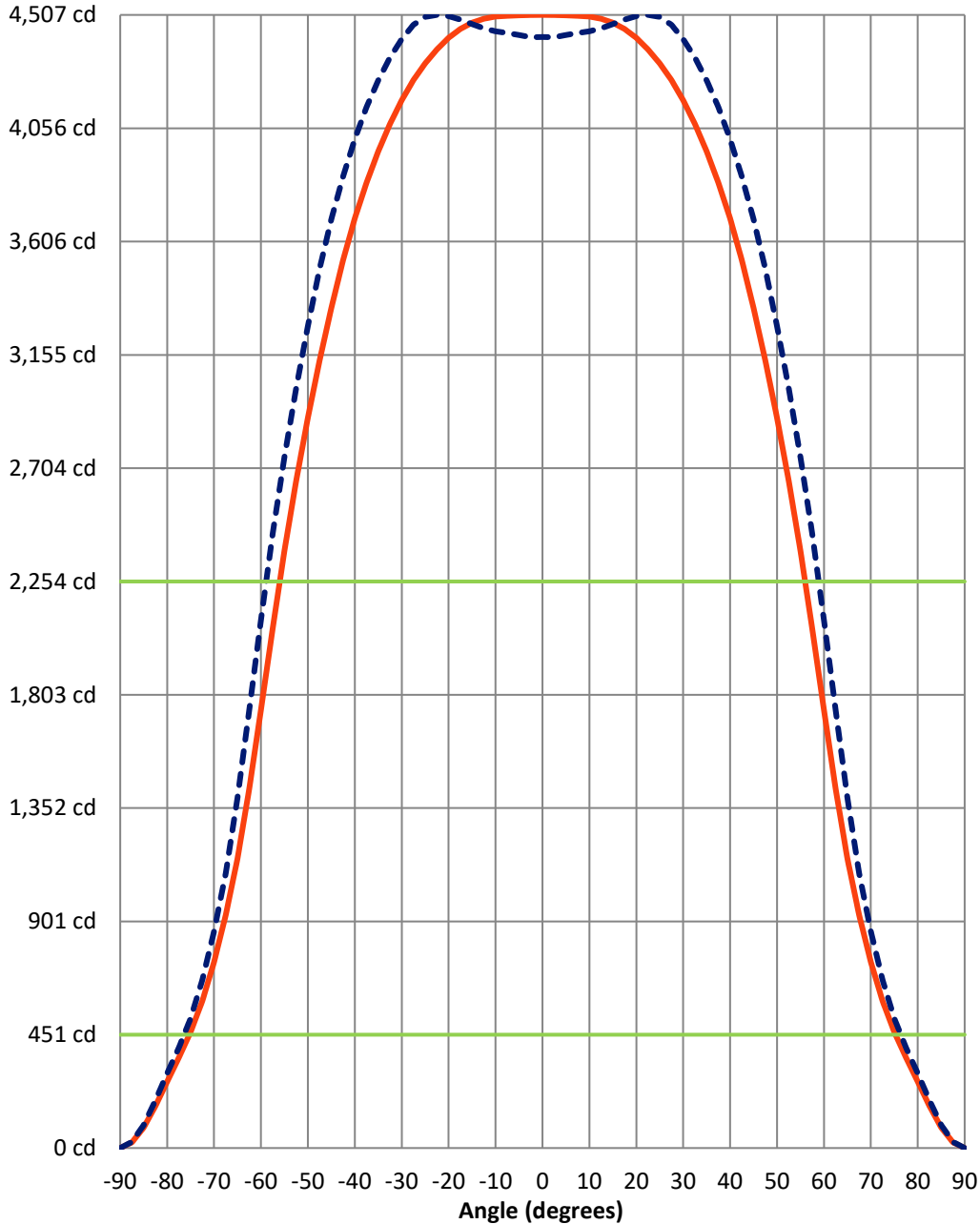
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 11474.5
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 13516.7
 Efficiency: 98.0%

Spill:
 Lumens: 271.2
 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	1.1	2.2	3.2	4.3	5.3	6.4	7.4	8.4	9.4	10.4
85°	0.0	2.2	4.3	6.4	8.6	10.7	12.8	14.8	16.9	18.9	20.9
82.5°	0.0	3.2	6.4	9.6	12.8	16.0	19.1	22.2	26.3	34.4	42.4
80°	0.0	4.3	8.6	12.8	17.1	21.3	26.7	37.9	49.0	59.8	70.5
77.5°	0.0	5.3	10.7	16.0	21.3	29.7	43.8	57.7	71.5	85.0	101.4
75°	0.0	6.4	12.8	19.1	26.7	43.8	60.6	77.3	94.8	118.4	141.7
72.5°	0.0	7.4	14.8	22.2	37.9	57.7	77.3	99.0	127.0	154.5	181.6
70°	0.0	8.4	16.9	26.3	49.0	71.5	94.8	127.0	158.8	190.3	224.3
67.5°	0.0	9.4	18.9	34.4	59.8	85.0	118.4	154.5	190.3	229.0	267.1
65°	0.0	10.4	20.9	42.4	70.5	101.4	141.7	181.6	224.3	267.1	308.7
62.5°	0.0	11.4	22.8	50.3	81.0	120.5	164.5	210.1	257.6	304.2	348.3
60°	0.0	12.3	24.7	58.0	91.2	139.1	186.9	238.7	290.3	339.2	387.1
57.5°	0.0	13.3	29.6	65.5	105.5	157.3	210.6	266.7	321.1	373.4	428.5
55°	0.0	14.2	34.5	72.8	119.7	175.0	234.0	294.0	350.7	407.8	470.6
52.5°	0.0	15.0	39.2	79.8	133.4	192.5	256.7	319.4	379.6	444.6	511.5
50°	0.0	15.9	43.8	86.7	146.7	210.8	278.7	343.8	408.7	480.4	562.4
47.5°	0.0	16.7	48.2	94.0	159.6	228.5	299.8	367.5	439.4	515.0	613.0
45°	0.0	17.5	52.4	103.3	171.9	245.4	319.3	390.2	469.0	558.6	661.8
42.5°	0.0	18.2	56.4	112.1	183.8	261.7	337.9	413.8	497.4	600.7	719.3
40°	0.0	18.9	60.3	120.6	195.6	277.3	355.8	437.5	527.4	641.0	776.1
37.5°	0.0	19.6	64.0	128.6	207.4	292.1	372.7	460.0	561.3	682.2	830.3
35°	0.0	20.2	67.4	136.2	218.5	305.6	388.8	481.3	593.5	728.1	885.6
32.5°	0.0	20.8	70.7	143.3	229.0	318.1	404.4	501.4	623.8	771.5	943.7
30°	0.0	21.4	73.7	149.9	238.8	329.8	420.5	521.6	652.1	812.1	998.2
27.5°	0.0	21.9	76.5	156.1	247.9	340.7	435.3	544.5	681.1	849.9	1048.9
25°	0.0	22.4	79.1	161.8	256.3	350.7	449.0	565.6	711.8	889.2	1096.3
22.5°	0.0	22.8	81.5	167.0	263.9	359.8	461.5	584.9	739.9	927.4	1151.6
20°	0.0	23.2	83.6	171.6	270.7	368.0	472.8	602.3	765.1	961.8	1201.6
17.5°	0.0	23.6	85.5	175.8	276.8	375.3	482.8	617.7	787.6	992.3	1246.0
15°	0.0	23.9	87.1	179.4	282.1	381.7	491.5	631.1	807.2	1019.0	1284.8
12.5°	0.0	24.1	88.5	182.4	286.6	387.1	498.9	642.5	823.8	1041.7	1317.8
10°	0.0	24.3	89.7	184.9	290.3	391.5	504.9	651.9	837.5	1060.4	1345.0
7.5°	0.0	24.5	90.6	186.9	293.2	394.9	509.7	659.3	848.2	1075.0	1366.2
5°	0.0	24.6	91.2	188.3	295.2	397.4	513.1	664.5	855.9	1085.4	1381.4
2.5°	0.0	24.7	91.6	189.1	296.5	398.9	515.1	667.6	860.5	1091.7	1390.6
0°	0.0	24.7	91.7	189.4	296.9	399.4	515.8	668.7	862.0	1093.8	1393.6
-2.5°	0.0	24.7	91.6	189.1	296.5	398.9	515.1	667.6	860.5	1091.7	1390.6
-5°	0.0	24.6	91.2	188.3	295.2	397.4	513.1	664.5	855.9	1085.4	1381.4
-7.5°	0.0	24.5	90.6	186.9	293.2	394.9	509.7	659.3	848.2	1075.0	1366.2
-10°	0.0	24.3	89.7	184.9	290.3	391.5	504.9	651.9	837.5	1060.4	1345.0
-12.5°	0.0	24.1	88.5	182.4	286.6	387.1	498.9	642.5	823.8	1041.7	1317.8
-15°	0.0	23.9	87.1	179.4	282.1	381.7	491.5	631.1	807.2	1019.0	1284.8
-17.5°	0.0	23.6	85.5	175.8	276.8	375.3	482.8	617.7	787.6	992.3	1246.0
-20°	0.0	23.2	83.6	171.6	270.7	368.0	472.8	602.3	765.1	961.8	1201.6

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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	22.8	81.5	167.0	263.9	359.8	461.5	584.9	739.9	927.4	1151.6
-25°	0.0	22.4	79.1	161.8	256.3	350.7	449.0	565.6	711.8	889.2	1096.3
-27.5°	0.0	21.9	76.5	156.1	247.9	340.7	435.3	544.5	681.1	849.9	1048.9
-30°	0.0	21.4	73.7	149.9	238.8	329.8	420.5	521.6	652.1	812.1	998.2
-32.5°	0.0	20.8	70.7	143.3	229.0	318.1	404.4	501.4	623.8	771.5	943.7
-35°	0.0	20.2	67.4	136.2	218.5	305.6	388.8	481.3	593.5	728.1	885.6
-37.5°	0.0	19.6	64.0	128.6	207.4	292.1	372.7	460.0	561.3	682.2	830.3
-40°	0.0	18.9	60.3	120.6	195.6	277.3	355.8	437.5	527.4	641.0	776.1
-42.5°	0.0	18.2	56.4	112.1	183.8	261.7	337.9	413.8	497.4	600.7	719.3
-45°	0.0	17.5	52.4	103.3	171.9	245.4	319.3	390.2	469.0	558.6	661.8
-47.5°	0.0	16.7	48.2	94.0	159.6	228.5	299.8	367.5	439.4	515.0	613.0
-50°	0.0	15.9	43.8	86.7	146.7	210.8	278.7	343.8	408.7	480.4	562.4
-52.5°	0.0	15.0	39.2	79.8	133.4	192.5	256.7	319.4	379.6	444.6	511.5
-55°	0.0	14.2	34.5	72.8	119.7	175.0	234.0	294.0	350.7	407.8	470.6
-57.5°	0.0	13.3	29.6	65.5	105.5	157.3	210.6	266.7	321.1	373.4	428.5
-60°	0.0	12.3	24.7	58.0	91.2	139.1	186.9	238.7	290.3	339.2	387.1
-62.5°	0.0	11.4	22.8	50.3	81.0	120.5	164.5	210.1	257.6	304.2	348.3
-65°	0.0	10.4	20.9	42.4	70.5	101.4	141.7	181.6	224.3	267.1	308.7
-67.5°	0.0	9.4	18.9	34.4	59.8	85.0	118.4	154.5	190.3	229.0	267.1
-70°	0.0	8.4	16.9	26.3	49.0	71.5	94.8	127.0	158.8	190.3	224.3
-72.5°	0.0	7.4	14.8	22.2	37.9	57.7	77.3	99.0	127.0	154.5	181.6
-75°	0.0	6.4	12.8	19.1	26.7	43.8	60.6	77.3	94.8	118.4	141.7
-77.5°	0.0	5.3	10.7	16.0	21.3	29.7	43.8	57.7	71.5	85.0	101.4
-80°	0.0	4.3	8.6	12.8	17.1	21.3	26.7	37.9	49.0	59.8	70.5
-82.5°	0.0	3.2	6.4	9.6	12.8	16.0	19.1	22.2	26.3	34.4	42.4
-85°	0.0	2.2	4.3	6.4	8.6	10.7	12.8	14.8	16.9	18.9	20.9
-87.5°	0.0	1.1	2.2	3.2	4.3	5.3	6.4	7.4	8.4	9.4	10.4
-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: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	11.4	12.3	13.3	14.2	15.0	15.9	16.7	17.5	18.2	18.9	19.6
85°	22.8	24.7	29.6	34.5	39.2	43.8	48.2	52.4	56.4	60.3	64.0
82.5°	50.3	58.0	65.5	72.8	79.8	86.7	94.0	103.3	112.1	120.6	128.6
80°	81.0	91.2	105.5	119.7	133.4	146.7	159.6	171.9	183.8	195.6	207.4
77.5°	120.5	139.1	157.3	175.0	192.5	210.8	228.5	245.4	261.7	277.3	292.1
75°	164.5	186.9	210.6	234.0	256.7	278.7	299.8	319.3	337.9	355.8	372.7
72.5°	210.1	238.7	266.7	294.0	319.4	343.8	367.5	390.2	413.8	437.5	460.0
70°	257.6	290.3	321.1	350.7	379.6	408.7	439.4	469.0	497.4	527.4	561.3
67.5°	304.2	339.2	373.4	407.8	444.6	480.4	515.0	558.6	600.7	641.0	682.2
65°	348.3	387.1	428.5	470.6	511.5	562.4	613.0	661.8	719.3	776.1	830.3
62.5°	391.6	438.9	486.2	537.7	596.9	654.4	721.0	789.1	854.5	928.3	1000.1
60°	438.9	491.5	551.5	617.7	685.8	765.1	842.1	927.4	1013.3	1096.3	1198.2
57.5°	486.2	551.5	624.6	703.5	791.8	880.9	981.1	1078.0	1194.2	1310.3	1425.8
55°	537.7	617.7	703.5	800.7	902.5	1013.6	1129.7	1265.0	1395.9	1541.8	1681.6
52.5°	596.9	685.8	791.8	902.5	1024.4	1158.0	1307.8	1462.8	1625.9	1784.3	1939.7
50°	654.4	765.1	880.9	1013.6	1158.0	1322.2	1496.4	1676.8	1854.9	2028.7	2191.5
47.5°	721.0	842.1	981.1	1129.7	1307.8	1496.4	1693.9	1890.5	2082.6	2260.9	2431.7
45°	789.1	927.4	1078.0	1265.0	1462.8	1676.8	1890.5	2100.7	2295.9	2480.2	2641.3
42.5°	854.5	1013.3	1194.2	1395.9	1625.9	1854.9	2082.6	2295.9	2495.9	2673.3	2835.2
40°	928.3	1096.3	1310.3	1541.8	1784.3	2028.7	2260.9	2480.2	2673.3	2849.9	3013.8
37.5°	1000.1	1198.2	1425.8	1681.6	1939.7	2191.5	2431.7	2641.3	2835.2	3013.8	3171.1
35°	1068.3	1295.1	1548.5	1817.0	2088.1	2344.0	2577.8	2791.2	2983.8	3157.2	3317.9
32.5°	1144.1	1386.6	1664.6	1947.1	2223.2	2483.9	2715.6	2924.3	3115.8	3291.9	3451.6
30°	1222.2	1485.3	1774.8	2069.7	2350.2	2605.1	2836.4	3047.8	3237.7	3411.7	3568.1
27.5°	1295.1	1578.5	1880.0	2180.6	2466.1	2718.7	2946.9	3155.0	3346.1	3521.3	3672.9
25°	1362.3	1664.6	1977.3	2282.1	2563.7	2816.9	3047.2	3255.1	3445.2	3613.2	3760.6
22.5°	1428.7	1743.5	2066.5	2375.3	2653.4	2904.7	3132.9	3341.4	3531.5	3697.9	3839.4
20°	1493.2	1817.0	2145.3	2457.9	2734.7	2984.5	3210.9	3419.0	3604.0	3765.2	3906.1
17.5°	1550.7	1882.5	2214.1	2524.6	2801.6	3052.5	3279.9	3488.7	3669.3	3825.9	3963.6
15°	1600.8	1939.7	2274.4	2583.0	2859.2	3109.1	3336.5	3543.0	3722.4	3877.7	4014.4
12.5°	1643.6	1988.5	2325.7	2632.8	2908.4	3157.5	3384.9	3588.6	3765.0	3918.3	4052.0
10°	1678.7	2028.7	2368.1	2673.9	2949.0	3197.5	3425.0	3626.4	3800.3	3952.0	4083.3
7.5°	1706.2	2060.1	2401.2	2706.1	2980.7	3228.8	3456.5	3656.0	3828.1	3978.5	4108.0
5°	1725.9	2082.6	2424.9	2729.2	3003.6	3251.3	3479.1	3677.3	3848.1	3997.7	4125.9
2.5°	1737.7	2096.2	2439.2	2743.1	3017.3	3264.9	3492.7	3690.2	3860.2	4009.2	4136.7
0°	1741.7	2100.7	2444.0	2747.7	3021.9	3269.4	3497.3	3694.5	3864.2	4013.1	4140.3
-2.5°	1737.7	2096.2	2439.2	2743.1	3017.3	3264.9	3492.7	3690.2	3860.2	4009.2	4136.7
-5°	1725.9	2082.6	2424.9	2729.2	3003.6	3251.3	3479.1	3677.3	3848.1	3997.7	4125.9
-7.5°	1706.2	2060.1	2401.2	2706.1	2980.7	3228.8	3456.5	3656.0	3828.1	3978.5	4108.0
-10°	1678.7	2028.7	2368.1	2673.9	2949.0	3197.5	3425.0	3626.4	3800.3	3952.0	4083.3
-12.5°	1643.6	1988.5	2325.7	2632.8	2908.4	3157.5	3384.9	3588.6	3765.0	3918.3	4052.0
-15°	1600.8	1939.7	2274.4	2583.0	2859.2	3109.1	3336.5	3543.0	3722.4	3877.7	4014.4
-17.5°	1550.7	1882.5	2214.1	2524.6	2801.6	3052.5	3279.9	3488.7	3669.3	3825.9	3963.6
-20°	1493.2	1817.0	2145.3	2457.9	2734.7	2984.5	3210.9	3419.0	3604.0	3765.2	3906.1



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 CATALOG NUMBER: GFLD-SA3B-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°	1428.7	1743.5	2066.5	2375.3	2653.4	2904.7	3132.9	3341.4	3531.5	3697.9	3839.4
-25°	1362.3	1664.6	1977.3	2282.1	2563.7	2816.9	3047.2	3255.1	3445.2	3613.2	3760.6
-27.5°	1295.1	1578.5	1880.0	2180.6	2466.1	2718.7	2946.9	3155.0	3346.1	3521.3	3672.9
-30°	1222.2	1485.3	1774.8	2069.7	2350.2	2605.1	2836.4	3047.8	3237.7	3411.7	3568.1
-32.5°	1144.1	1386.6	1664.6	1947.1	2223.2	2483.9	2715.6	2924.3	3115.8	3291.9	3451.6
-35°	1068.3	1295.1	1548.5	1817.0	2088.1	2344.0	2577.8	2791.2	2983.8	3157.2	3317.9
-37.5°	1000.1	1198.2	1425.8	1681.6	1939.7	2191.5	2431.7	2641.3	2835.2	3013.8	3171.1
-40°	928.3	1096.3	1310.3	1541.8	1784.3	2028.7	2260.9	2480.2	2673.3	2849.9	3013.8
-42.5°	854.5	1013.3	1194.2	1395.9	1625.9	1854.9	2082.6	2295.9	2495.9	2673.3	2835.2
-45°	789.1	927.4	1078.0	1265.0	1462.8	1676.8	1890.5	2100.7	2295.9	2480.2	2641.3
-47.5°	721.0	842.1	981.1	1129.7	1307.8	1496.4	1693.9	1890.5	2082.6	2260.9	2431.7
-50°	654.4	765.1	880.9	1013.6	1158.0	1322.2	1496.4	1676.8	1854.9	2028.7	2191.5
-52.5°	596.9	685.8	791.8	902.5	1024.4	1158.0	1307.8	1462.8	1625.9	1784.3	1939.7
-55°	537.7	617.7	703.5	800.7	902.5	1013.6	1129.7	1265.0	1395.9	1541.8	1681.6
-57.5°	486.2	551.5	624.6	703.5	791.8	880.9	981.1	1078.0	1194.2	1310.3	1425.8
-60°	438.9	491.5	551.5	617.7	685.8	765.1	842.1	927.4	1013.3	1096.3	1198.2
-62.5°	391.6	438.9	486.2	537.7	596.9	654.4	721.0	789.1	854.5	928.3	1000.1
-65°	348.3	387.1	428.5	470.6	511.5	562.4	613.0	661.8	719.3	776.1	830.3
-67.5°	304.2	339.2	373.4	407.8	444.6	480.4	515.0	558.6	600.7	641.0	682.2
-70°	257.6	290.3	321.1	350.7	379.6	408.7	439.4	469.0	497.4	527.4	561.3
-72.5°	210.1	238.7	266.7	294.0	319.4	343.8	367.5	390.2	413.8	437.5	460.0
-75°	164.5	186.9	210.6	234.0	256.7	278.7	299.8	319.3	337.9	355.8	372.7
-77.5°	120.5	139.1	157.3	175.0	192.5	210.8	228.5	245.4	261.7	277.3	292.1
-80°	81.0	91.2	105.5	119.7	133.4	146.7	159.6	171.9	183.8	195.6	207.4
-82.5°	50.3	58.0	65.5	72.8	79.8	86.7	94.0	103.3	112.1	120.6	128.6
-85°	22.8	24.7	29.6	34.5	39.2	43.8	48.2	52.4	56.4	60.3	64.0
-87.5°	11.4	12.3	13.3	14.2	15.0	15.9	16.7	17.5	18.2	18.9	19.6
-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: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	20.2	20.8	21.4	21.9	22.4	22.8	23.2	23.6	23.9	24.1	24.3
85°	67.4	70.7	73.7	76.5	79.1	81.5	83.6	85.5	87.1	88.5	89.7
82.5°	136.2	143.3	149.9	156.1	161.8	167.0	171.6	175.8	179.4	182.4	184.9
80°	218.5	229.0	238.8	247.9	256.3	263.9	270.7	276.8	282.1	286.6	290.3
77.5°	305.6	318.1	329.8	340.7	350.7	359.8	368.0	375.3	381.7	387.1	391.5
75°	388.8	404.4	420.5	435.3	449.0	461.5	472.8	482.8	491.5	498.9	504.9
72.5°	481.3	501.4	521.6	544.5	565.6	584.9	602.3	617.7	631.1	642.5	651.9
70°	593.5	623.8	652.1	681.1	711.8	739.9	765.1	787.6	807.2	823.8	837.5
67.5°	728.1	771.5	812.1	849.9	889.2	927.4	961.8	992.3	1019.0	1041.7	1060.4
65°	885.6	943.7	998.2	1048.9	1096.3	1151.6	1201.6	1246.0	1284.8	1317.8	1345.0
62.5°	1068.3	1144.1	1222.2	1295.1	1362.3	1428.7	1493.2	1550.7	1600.8	1643.6	1678.7
60°	1295.1	1386.6	1485.3	1578.5	1664.6	1743.5	1817.0	1882.5	1939.7	1988.5	2028.7
57.5°	1548.5	1664.6	1774.8	1880.0	1977.3	2066.5	2145.3	2214.1	2274.4	2325.7	2368.1
55°	1817.0	1947.1	2069.7	2180.6	2282.1	2375.3	2457.9	2524.6	2583.0	2632.8	2673.9
52.5°	2088.1	2223.2	2350.2	2466.1	2563.7	2653.4	2734.7	2801.6	2859.2	2908.4	2949.0
50°	2344.0	2483.9	2605.1	2718.7	2816.9	2904.7	2984.5	3052.5	3109.1	3157.5	3197.5
47.5°	2577.8	2715.6	2836.4	2946.9	3047.2	3132.9	3210.9	3279.9	3336.5	3384.9	3425.0
45°	2791.2	2924.3	3047.8	3155.0	3255.1	3341.4	3419.0	3488.7	3543.0	3588.6	3626.4
42.5°	2983.8	3115.8	3237.7	3346.1	3445.2	3531.5	3604.0	3669.3	3722.4	3765.0	3800.3
40°	3157.2	3291.9	3411.7	3521.3	3613.2	3697.9	3765.2	3825.9	3877.7	3918.3	3952.0
37.5°	3317.9	3451.6	3568.1	3672.9	3760.6	3839.4	3906.1	3963.6	4014.4	4052.0	4083.3
35°	3464.9	3591.9	3707.2	3803.2	3890.2	3964.4	4030.0	4083.0	4130.2	4166.1	4194.6
32.5°	3591.9	3717.7	3824.8	3919.3	4004.2	4073.5	4136.4	4185.0	4227.8	4262.3	4288.9
30°	3707.2	3824.8	3929.1	4022.8	4100.1	4167.6	4224.2	4271.7	4311.2	4344.2	4367.5
27.5°	3803.2	3919.3	4022.8	4109.1	4183.1	4248.0	4299.9	4345.6	4380.2	4410.5	4430.6
25°	3890.2	4004.2	4100.1	4183.1	4255.0	4314.3	4363.6	4405.0	4435.7	4461.6	4476.5
22.5°	3964.4	4073.5	4167.6	4248.0	4314.3	4369.7	4416.2	4451.3	4476.3	4492.0	4500.8
20°	4030.0	4136.4	4224.2	4299.9	4363.6	4416.2	4456.6	4482.5	4499.9	4504.2	4506.7
17.5°	4083.0	4185.0	4271.7	4345.6	4405.0	4451.3	4482.5	4500.7	4506.0	4505.0	4502.5
15°	4130.2	4227.8	4311.2	4380.2	4435.7	4476.3	4499.9	4506.0	4504.4	4499.2	4491.1
12.5°	4166.1	4262.3	4344.2	4410.5	4461.6	4492.0	4504.2	4505.0	4499.2	4489.1	4477.5
10°	4194.6	4288.9	4367.5	4430.6	4476.5	4500.8	4506.7	4502.5	4491.1	4477.5	4464.7
7.5°	4217.2	4309.9	4386.1	4446.6	4486.3	4503.5	4504.9	4496.7	4483.0	4467.7	4453.8
5°	4233.6	4325.2	4399.6	4458.3	4493.5	4505.6	4503.5	4492.2	4476.3	4460.3	4447.6
2.5°	4243.5	4334.5	4407.8	4465.4	4497.8	4506.8	4502.6	4489.5	4472.1	4455.5	4443.5
0°	4246.8	4337.6	4410.6	4467.8	4499.3	4507.2	4502.3	4488.5	4470.7	4453.9	4442.1
-2.5°	4243.5	4334.5	4407.8	4465.4	4497.8	4506.8	4502.6	4489.5	4472.1	4455.5	4443.5
-5°	4233.6	4325.2	4399.6	4458.3	4493.5	4505.6	4503.5	4492.2	4476.3	4460.3	4447.6
-7.5°	4217.2	4309.9	4386.1	4446.6	4486.3	4503.5	4504.9	4496.7	4483.0	4467.7	4453.8
-10°	4194.6	4288.9	4367.5	4430.6	4476.5	4500.8	4506.7	4502.5	4491.1	4477.5	4464.7
-12.5°	4166.1	4262.3	4344.2	4410.5	4461.6	4492.0	4504.2	4505.0	4499.2	4489.1	4477.5
-15°	4130.2	4227.8	4311.2	4380.2	4435.7	4476.3	4499.9	4506.0	4504.4	4499.2	4491.1
-17.5°	4083.0	4185.0	4271.7	4345.6	4405.0	4451.3	4482.5	4500.7	4506.0	4505.0	4502.5
-20°	4030.0	4136.4	4224.2	4299.9	4363.6	4416.2	4456.6	4482.5	4499.9	4504.2	4506.7



REPORT NUMBER: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3964.4	4073.5	4167.6	4248.0	4314.3	4369.7	4416.2	4451.3	4476.3	4492.0	4500.8
-25°	3890.2	4004.2	4100.1	4183.1	4255.0	4314.3	4363.6	4405.0	4435.7	4461.6	4476.5
-27.5°	3803.2	3919.3	4022.8	4109.1	4183.1	4248.0	4299.9	4345.6	4380.2	4410.5	4430.6
-30°	3707.2	3824.8	3929.1	4022.8	4100.1	4167.6	4224.2	4271.7	4311.2	4344.2	4367.5
-32.5°	3591.9	3717.7	3824.8	3919.3	4004.2	4073.5	4136.4	4185.0	4227.8	4262.3	4288.9
-35°	3464.9	3591.9	3707.2	3803.2	3890.2	3964.4	4030.0	4083.0	4130.2	4166.1	4194.6
-37.5°	3317.9	3451.6	3568.1	3672.9	3760.6	3839.4	3906.1	3963.6	4014.4	4052.0	4083.3
-40°	3157.2	3291.9	3411.7	3521.3	3613.2	3697.9	3765.2	3825.9	3877.7	3918.3	3952.0
-42.5°	2983.8	3115.8	3237.7	3346.1	3445.2	3531.5	3604.0	3669.3	3722.4	3765.0	3800.3
-45°	2791.2	2924.3	3047.8	3155.0	3255.1	3341.4	3419.0	3488.7	3543.0	3588.6	3626.4
-47.5°	2577.8	2715.6	2836.4	2946.9	3047.2	3132.9	3210.9	3279.9	3336.5	3384.9	3425.0
-50°	2344.0	2483.9	2605.1	2718.7	2816.9	2904.7	2984.5	3052.5	3109.1	3157.5	3197.5
-52.5°	2088.1	2223.2	2350.2	2466.1	2563.7	2653.4	2734.7	2801.6	2859.2	2908.4	2949.0
-55°	1817.0	1947.1	2069.7	2180.6	2282.1	2375.3	2457.9	2524.6	2583.0	2632.8	2673.9
-57.5°	1548.5	1664.6	1774.8	1880.0	1977.3	2066.5	2145.3	2214.1	2274.4	2325.7	2368.1
-60°	1295.1	1386.6	1485.3	1578.5	1664.6	1743.5	1817.0	1882.5	1939.7	1988.5	2028.7
-62.5°	1068.3	1144.1	1222.2	1295.1	1362.3	1428.7	1493.2	1550.7	1600.8	1643.6	1678.7
-65°	885.6	943.7	998.2	1048.9	1096.3	1151.6	1201.6	1246.0	1284.8	1317.8	1345.0
-67.5°	728.1	771.5	812.1	849.9	889.2	927.4	961.8	992.3	1019.0	1041.7	1060.4
-70°	593.5	623.8	652.1	681.1	711.8	739.9	765.1	787.6	807.2	823.8	837.5
-72.5°	481.3	501.4	521.6	544.5	565.6	584.9	602.3	617.7	631.1	642.5	651.9
-75°	388.8	404.4	420.5	435.3	449.0	461.5	472.8	482.8	491.5	498.9	504.9
-77.5°	305.6	318.1	329.8	340.7	350.7	359.8	368.0	375.3	381.7	387.1	391.5
-80°	218.5	229.0	238.8	247.9	256.3	263.9	270.7	276.8	282.1	286.6	290.3
-82.5°	136.2	143.3	149.9	156.1	161.8	167.0	171.6	175.8	179.4	182.4	184.9
-85°	67.4	70.7	73.7	76.5	79.1	81.5	83.6	85.5	87.1	88.5	89.7
-87.5°	20.2	20.8	21.4	21.9	22.4	22.8	23.2	23.6	23.9	24.1	24.3
-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: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
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°	24.5	24.6	24.7	24.7	24.7	24.6	24.5	24.3	24.1	23.9	23.6
85°	90.6	91.2	91.6	91.7	91.6	91.2	90.6	89.7	88.5	87.1	85.5
82.5°	186.9	188.3	189.1	189.4	189.1	188.3	186.9	184.9	182.4	179.4	175.8
80°	293.2	295.2	296.5	296.9	296.5	295.2	293.2	290.3	286.6	282.1	276.8
77.5°	394.9	397.4	398.9	399.4	398.9	397.4	394.9	391.5	387.1	381.7	375.3
75°	509.7	513.1	515.1	515.8	515.1	513.1	509.7	504.9	498.9	491.5	482.8
72.5°	659.3	664.5	667.6	668.7	667.6	664.5	659.3	651.9	642.5	631.1	617.7
70°	848.2	855.9	860.5	862.0	860.5	855.9	848.2	837.5	823.8	807.2	787.6
67.5°	1075.0	1085.4	1091.7	1093.8	1091.7	1085.4	1075.0	1060.4	1041.7	1019.0	992.3
65°	1366.2	1381.4	1390.6	1393.6	1390.6	1381.4	1366.2	1345.0	1317.8	1284.8	1246.0
62.5°	1706.2	1725.9	1737.7	1741.7	1737.7	1725.9	1706.2	1678.7	1643.6	1600.8	1550.7
60°	2060.1	2082.6	2096.2	2100.7	2096.2	2082.6	2060.1	2028.7	1988.5	1939.7	1882.5
57.5°	2401.2	2424.9	2439.2	2444.0	2439.2	2424.9	2401.2	2368.1	2325.7	2274.4	2214.1
55°	2706.1	2729.2	2743.1	2747.7	2743.1	2729.2	2706.1	2673.9	2632.8	2583.0	2524.6
52.5°	2980.7	3003.6	3017.3	3021.9	3017.3	3003.6	2980.7	2949.0	2908.4	2859.2	2801.6
50°	3228.8	3251.3	3264.9	3269.4	3264.9	3251.3	3228.8	3197.5	3157.5	3109.1	3052.5
47.5°	3456.5	3479.1	3492.7	3497.3	3492.7	3479.1	3456.5	3425.0	3384.9	3336.5	3279.9
45°	3656.0	3677.3	3690.2	3694.5	3690.2	3677.3	3656.0	3626.4	3588.6	3543.0	3488.7
42.5°	3828.1	3848.1	3860.2	3864.2	3860.2	3848.1	3828.1	3800.3	3765.0	3722.4	3669.3
40°	3978.5	3997.7	4009.2	4013.1	4009.2	3997.7	3978.5	3952.0	3918.3	3877.7	3825.9
37.5°	4108.0	4125.9	4136.7	4140.3	4136.7	4125.9	4108.0	4083.3	4052.0	4014.4	3963.6
35°	4217.2	4233.6	4243.5	4246.8	4243.5	4233.6	4217.2	4194.6	4166.1	4130.2	4083.0
32.5°	4309.9	4325.2	4334.5	4337.6	4334.5	4325.2	4309.9	4288.9	4262.3	4227.8	4185.0
30°	4386.1	4399.6	4407.8	4410.6	4407.8	4399.6	4386.1	4367.5	4344.2	4311.2	4271.7
27.5°	4446.6	4458.3	4465.4	4467.8	4465.4	4458.3	4446.6	4430.6	4410.5	4380.2	4345.6
25°	4486.3	4493.5	4497.8	4499.3	4497.8	4493.5	4486.3	4476.5	4461.6	4435.7	4405.0
22.5°	4503.5	4505.6	4506.8	4507.2	4506.8	4505.6	4503.5	4500.8	4492.0	4476.3	4451.3
20°	4504.9	4503.5	4502.6	4502.3	4502.6	4503.5	4504.9	4506.7	4504.2	4499.9	4482.5
17.5°	4496.7	4492.2	4489.5	4488.5	4489.5	4492.2	4496.7	4502.5	4505.0	4506.0	4500.7
15°	4483.0	4476.3	4472.1	4470.7	4472.1	4476.3	4483.0	4491.1	4499.2	4504.4	4506.0
12.5°	4467.7	4460.3	4455.5	4453.9	4455.5	4460.3	4467.7	4477.5	4489.1	4499.2	4505.0
10°	4453.8	4447.6	4443.5	4442.1	4443.5	4447.6	4453.8	4464.7	4477.5	4491.1	4502.5
7.5°	4444.9	4439.4	4436.3	4435.2	4436.3	4439.4	4444.9	4453.8	4467.7	4483.0	4496.7
5°	4439.4	4433.8	4429.2	4427.3	4429.2	4433.8	4439.4	4447.6	4460.3	4476.3	4492.2
2.5°	4436.3	4429.2	4422.1	4418.4	4422.1	4429.2	4436.3	4443.5	4455.5	4472.1	4489.5
0°	4435.2	4427.3	4418.4	4419.4	4418.4	4427.3	4435.2	4442.1	4453.9	4470.7	4488.5
-2.5°	4436.3	4429.2	4422.1	4418.4	4422.1	4429.2	4436.3	4443.5	4455.5	4472.1	4489.5
-5°	4439.4	4433.8	4429.2	4427.3	4429.2	4433.8	4439.4	4447.6	4460.3	4476.3	4492.2
-7.5°	4444.9	4439.4	4436.3	4435.2	4436.3	4439.4	4444.9	4453.8	4467.7	4483.0	4496.7
-10°	4453.8	4447.6	4443.5	4442.1	4443.5	4447.6	4453.8	4464.7	4477.5	4491.1	4502.5
-12.5°	4467.7	4460.3	4455.5	4453.9	4455.5	4460.3	4467.7	4477.5	4489.1	4499.2	4505.0
-15°	4483.0	4476.3	4472.1	4470.7	4472.1	4476.3	4483.0	4491.1	4499.2	4504.4	4506.0
-17.5°	4496.7	4492.2	4489.5	4488.5	4489.5	4492.2	4496.7	4502.5	4505.0	4506.0	4500.7
-20°	4504.9	4503.5	4502.6	4502.3	4502.6	4503.5	4504.9	4506.7	4504.2	4499.9	4482.5



REPORT NUMBER: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	4503.5	4505.6	4506.8	4507.2	4506.8	4505.6	4503.5	4500.8	4492.0	4476.3	4451.3
-25°	4486.3	4493.5	4497.8	4499.3	4497.8	4493.5	4486.3	4476.5	4461.6	4435.7	4405.0
-27.5°	4446.6	4458.3	4465.4	4467.8	4465.4	4458.3	4446.6	4430.6	4410.5	4380.2	4345.6
-30°	4386.1	4399.6	4407.8	4410.6	4407.8	4399.6	4386.1	4367.5	4344.2	4311.2	4271.7
-32.5°	4309.9	4325.2	4334.5	4337.6	4334.5	4325.2	4309.9	4288.9	4262.3	4227.8	4185.0
-35°	4217.2	4233.6	4243.5	4246.8	4243.5	4233.6	4217.2	4194.6	4166.1	4130.2	4083.0
-37.5°	4108.0	4125.9	4136.7	4140.3	4136.7	4125.9	4108.0	4083.3	4052.0	4014.4	3963.6
-40°	3978.5	3997.7	4009.2	4013.1	4009.2	3997.7	3978.5	3952.0	3918.3	3877.7	3825.9
-42.5°	3828.1	3848.1	3860.2	3864.2	3860.2	3848.1	3828.1	3800.3	3765.0	3722.4	3669.3
-45°	3656.0	3677.3	3690.2	3694.5	3690.2	3677.3	3656.0	3626.4	3588.6	3543.0	3488.7
-47.5°	3456.5	3479.1	3492.7	3497.3	3492.7	3479.1	3456.5	3425.0	3384.9	3336.5	3279.9
-50°	3228.8	3251.3	3264.9	3269.4	3264.9	3251.3	3228.8	3197.5	3157.5	3109.1	3052.5
-52.5°	2980.7	3003.6	3017.3	3021.9	3017.3	3003.6	2980.7	2949.0	2908.4	2859.2	2801.6
-55°	2706.1	2729.2	2743.1	2747.7	2743.1	2729.2	2706.1	2673.9	2632.8	2583.0	2524.6
-57.5°	2401.2	2424.9	2439.2	2444.0	2439.2	2424.9	2401.2	2368.1	2325.7	2274.4	2214.1
-60°	2060.1	2082.6	2096.2	2100.7	2096.2	2082.6	2060.1	2028.7	1988.5	1939.7	1882.5
-62.5°	1706.2	1725.9	1737.7	1741.7	1737.7	1725.9	1706.2	1678.7	1643.6	1600.8	1550.7
-65°	1366.2	1381.4	1390.6	1393.6	1390.6	1381.4	1366.2	1345.0	1317.8	1284.8	1246.0
-67.5°	1075.0	1085.4	1091.7	1093.8	1091.7	1085.4	1075.0	1060.4	1041.7	1019.0	992.3
-70°	848.2	855.9	860.5	862.0	860.5	855.9	848.2	837.5	823.8	807.2	787.6
-72.5°	659.3	664.5	667.6	668.7	667.6	664.5	659.3	651.9	642.5	631.1	617.7
-75°	509.7	513.1	515.1	515.8	515.1	513.1	509.7	504.9	498.9	491.5	482.8
-77.5°	394.9	397.4	398.9	399.4	398.9	397.4	394.9	391.5	387.1	381.7	375.3
-80°	293.2	295.2	296.5	296.9	296.5	295.2	293.2	290.3	286.6	282.1	276.8
-82.5°	186.9	188.3	189.1	189.4	189.1	188.3	186.9	184.9	182.4	179.4	175.8
-85°	90.6	91.2	91.6	91.7	91.6	91.2	90.6	89.7	88.5	87.1	85.5
-87.5°	24.5	24.6	24.7	24.7	24.7	24.6	24.5	24.3	24.1	23.9	23.6
-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: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	23.2	22.8	22.4	21.9	21.4	20.8	20.2	19.6	18.9	18.2	17.5
85°	83.6	81.5	79.1	76.5	73.7	70.7	67.4	64.0	60.3	56.4	52.4
82.5°	171.6	167.0	161.8	156.1	149.9	143.3	136.2	128.6	120.6	112.1	103.3
80°	270.7	263.9	256.3	247.9	238.8	229.0	218.5	207.4	195.6	183.8	171.9
77.5°	368.0	359.8	350.7	340.7	329.8	318.1	305.6	292.1	277.3	261.7	245.4
75°	472.8	461.5	449.0	435.3	420.5	404.4	388.8	372.7	355.8	337.9	319.3
72.5°	602.3	584.9	565.6	544.5	521.6	501.4	481.3	460.0	437.5	413.8	390.2
70°	765.1	739.9	711.8	681.1	652.1	623.8	593.5	561.3	527.4	497.4	469.0
67.5°	961.8	927.4	889.2	849.9	812.1	771.5	728.1	682.2	641.0	600.7	558.6
65°	1201.6	1151.6	1096.3	1048.9	998.2	943.7	885.6	830.3	776.1	719.3	661.8
62.5°	1493.2	1428.7	1362.3	1295.1	1222.2	1144.1	1068.3	1000.1	928.3	854.5	789.1
60°	1817.0	1743.5	1664.6	1578.5	1485.3	1386.6	1295.1	1198.2	1096.3	1013.3	927.4
57.5°	2145.3	2066.5	1977.3	1880.0	1774.8	1664.6	1548.5	1425.8	1310.3	1194.2	1078.0
55°	2457.9	2375.3	2282.1	2180.6	2069.7	1947.1	1817.0	1681.6	1541.8	1395.9	1265.0
52.5°	2734.7	2653.4	2563.7	2466.1	2350.2	2223.2	2088.1	1939.7	1784.3	1625.9	1462.8
50°	2984.5	2904.7	2816.9	2718.7	2605.1	2483.9	2344.0	2191.5	2028.7	1854.9	1676.8
47.5°	3210.9	3132.9	3047.2	2946.9	2836.4	2715.6	2577.8	2431.7	2260.9	2082.6	1890.5
45°	3419.0	3341.4	3255.1	3155.0	3047.8	2924.3	2791.2	2641.3	2480.2	2295.9	2100.7
42.5°	3604.0	3531.5	3445.2	3346.1	3237.7	3115.8	2983.8	2835.2	2673.3	2495.9	2295.9
40°	3765.2	3697.9	3613.2	3521.3	3411.7	3291.9	3157.2	3013.8	2849.9	2673.3	2480.2
37.5°	3906.1	3839.4	3760.6	3672.9	3568.1	3451.6	3317.9	3171.1	3013.8	2835.2	2641.3
35°	4030.0	3964.4	3890.2	3803.2	3707.2	3591.9	3464.9	3317.9	3157.2	2983.8	2791.2
32.5°	4136.4	4073.5	4004.2	3919.3	3824.8	3717.7	3591.9	3451.6	3291.9	3115.8	2924.3
30°	4224.2	4167.6	4100.1	4022.8	3929.1	3824.8	3707.2	3568.1	3411.7	3237.7	3047.8
27.5°	4299.9	4248.0	4183.1	4109.1	4022.8	3919.3	3803.2	3672.9	3521.3	3346.1	3155.0
25°	4363.6	4314.3	4255.0	4183.1	4100.1	4004.2	3890.2	3760.6	3613.2	3445.2	3255.1
22.5°	4416.2	4369.7	4314.3	4248.0	4167.6	4073.5	3964.4	3839.4	3697.9	3531.5	3341.4
20°	4456.6	4416.2	4363.6	4299.9	4224.2	4136.4	4030.0	3906.1	3765.2	3604.0	3419.0
17.5°	4482.5	4451.3	4405.0	4345.6	4271.7	4185.0	4083.0	3963.6	3825.9	3669.3	3488.7
15°	4499.9	4476.3	4435.7	4380.2	4311.2	4227.8	4130.2	4014.4	3877.7	3722.4	3543.0
12.5°	4504.2	4492.0	4461.6	4410.5	4344.2	4262.3	4166.1	4052.0	3918.3	3765.0	3588.6
10°	4506.7	4500.8	4476.5	4430.6	4367.5	4288.9	4194.6	4083.3	3952.0	3800.3	3626.4
7.5°	4504.9	4503.5	4486.3	4446.6	4386.1	4309.9	4217.2	4108.0	3978.5	3828.1	3656.0
5°	4503.5	4505.6	4493.5	4458.3	4399.6	4325.2	4233.6	4125.9	3997.7	3848.1	3677.3
2.5°	4502.6	4506.8	4497.8	4465.4	4407.8	4334.5	4243.5	4136.7	4009.2	3860.2	3690.2
0°	4502.3	4507.2	4499.3	4467.8	4410.6	4337.6	4246.8	4140.3	4013.1	3864.2	3694.5
-2.5°	4502.6	4506.8	4497.8	4465.4	4407.8	4334.5	4243.5	4136.7	4009.2	3860.2	3690.2
-5°	4503.5	4505.6	4493.5	4458.3	4399.6	4325.2	4233.6	4125.9	3997.7	3848.1	3677.3
-7.5°	4504.9	4503.5	4486.3	4446.6	4386.1	4309.9	4217.2	4108.0	3978.5	3828.1	3656.0
-10°	4506.7	4500.8	4476.5	4430.6	4367.5	4288.9	4194.6	4083.3	3952.0	3800.3	3626.4
-12.5°	4504.2	4492.0	4461.6	4410.5	4344.2	4262.3	4166.1	4052.0	3918.3	3765.0	3588.6
-15°	4499.9	4476.3	4435.7	4380.2	4311.2	4227.8	4130.2	4014.4	3877.7	3722.4	3543.0
-17.5°	4482.5	4451.3	4405.0	4345.6	4271.7	4185.0	4083.0	3963.6	3825.9	3669.3	3488.7
-20°	4456.6	4416.2	4363.6	4299.9	4224.2	4136.4	4030.0	3906.1	3765.2	3604.0	3419.0



REPORT NUMBER: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	4416.2	4369.7	4314.3	4248.0	4167.6	4073.5	3964.4	3839.4	3697.9	3531.5	3341.4
-25°	4363.6	4314.3	4255.0	4183.1	4100.1	4004.2	3890.2	3760.6	3613.2	3445.2	3255.1
-27.5°	4299.9	4248.0	4183.1	4109.1	4022.8	3919.3	3803.2	3672.9	3521.3	3346.1	3155.0
-30°	4224.2	4167.6	4100.1	4022.8	3929.1	3824.8	3707.2	3568.1	3411.7	3237.7	3047.8
-32.5°	4136.4	4073.5	4004.2	3919.3	3824.8	3717.7	3591.9	3451.6	3291.9	3115.8	2924.3
-35°	4030.0	3964.4	3890.2	3803.2	3707.2	3591.9	3464.9	3317.9	3157.2	2983.8	2791.2
-37.5°	3906.1	3839.4	3760.6	3672.9	3568.1	3451.6	3317.9	3171.1	3013.8	2835.2	2641.3
-40°	3765.2	3697.9	3613.2	3521.3	3411.7	3291.9	3157.2	3013.8	2849.9	2673.3	2480.2
-42.5°	3604.0	3531.5	3445.2	3346.1	3237.7	3115.8	2983.8	2835.2	2673.3	2495.9	2295.9
-45°	3419.0	3341.4	3255.1	3155.0	3047.8	2924.3	2791.2	2641.3	2480.2	2295.9	2100.7
-47.5°	3210.9	3132.9	3047.2	2946.9	2836.4	2715.6	2577.8	2431.7	2260.9	2082.6	1890.5
-50°	2984.5	2904.7	2816.9	2718.7	2605.1	2483.9	2344.0	2191.5	2028.7	1854.9	1676.8
-52.5°	2734.7	2653.4	2563.7	2466.1	2350.2	2223.2	2088.1	1939.7	1784.3	1625.9	1462.8
-55°	2457.9	2375.3	2282.1	2180.6	2069.7	1947.1	1817.0	1681.6	1541.8	1395.9	1265.0
-57.5°	2145.3	2066.5	1977.3	1880.0	1774.8	1664.6	1548.5	1425.8	1310.3	1194.2	1078.0
-60°	1817.0	1743.5	1664.6	1578.5	1485.3	1386.6	1295.1	1198.2	1096.3	1013.3	927.4
-62.5°	1493.2	1428.7	1362.3	1295.1	1222.2	1144.1	1068.3	1000.1	928.3	854.5	789.1
-65°	1201.6	1151.6	1096.3	1048.9	998.2	943.7	885.6	830.3	776.1	719.3	661.8
-67.5°	961.8	927.4	889.2	849.9	812.1	771.5	728.1	682.2	641.0	600.7	558.6
-70°	765.1	739.9	711.8	681.1	652.1	623.8	593.5	561.3	527.4	497.4	469.0
-72.5°	602.3	584.9	565.6	544.5	521.6	501.4	481.3	460.0	437.5	413.8	390.2
-75°	472.8	461.5	449.0	435.3	420.5	404.4	388.8	372.7	355.8	337.9	319.3
-77.5°	368.0	359.8	350.7	340.7	329.8	318.1	305.6	292.1	277.3	261.7	245.4
-80°	270.7	263.9	256.3	247.9	238.8	229.0	218.5	207.4	195.6	183.8	171.9
-82.5°	171.6	167.0	161.8	156.1	149.9	143.3	136.2	128.6	120.6	112.1	103.3
-85°	83.6	81.5	79.1	76.5	73.7	70.7	67.4	64.0	60.3	56.4	52.4
-87.5°	23.2	22.8	22.4	21.9	21.4	20.8	20.2	19.6	18.9	18.2	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



REPORT NUMBER: P645410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-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°	16.7	15.9	15.0	14.2	13.3	12.3	11.4	10.4	9.4	8.4	7.4
85°	48.2	43.8	39.2	34.5	29.6	24.7	22.8	20.9	18.9	16.9	14.8
82.5°	94.0	86.7	79.8	72.8	65.5	58.0	50.3	42.4	34.4	26.3	22.2
80°	159.6	146.7	133.4	119.7	105.5	91.2	81.0	70.5	59.8	49.0	37.9
77.5°	228.5	210.8	192.5	175.0	157.3	139.1	120.5	101.4	85.0	71.5	57.7
75°	299.8	278.7	256.7	234.0	210.6	186.9	164.5	141.7	118.4	94.8	77.3
72.5°	367.5	343.8	319.4	294.0	266.7	238.7	210.1	181.6	154.5	127.0	99.0
70°	439.4	408.7	379.6	350.7	321.1	290.3	257.6	224.3	190.3	158.8	127.0
67.5°	515.0	480.4	444.6	407.8	373.4	339.2	304.2	267.1	229.0	190.3	154.5
65°	613.0	562.4	511.5	470.6	428.5	387.1	348.3	308.7	267.1	224.3	181.6
62.5°	721.0	654.4	596.9	537.7	486.2	438.9	391.6	348.3	304.2	257.6	210.1
60°	842.1	765.1	685.8	617.7	551.5	491.5	438.9	387.1	339.2	290.3	238.7
57.5°	981.1	880.9	791.8	703.5	624.6	551.5	486.2	428.5	373.4	321.1	266.7
55°	1129.7	1013.6	902.5	800.7	703.5	617.7	537.7	470.6	407.8	350.7	294.0
52.5°	1307.8	1158.0	1024.4	902.5	791.8	685.8	596.9	511.5	444.6	379.6	319.4
50°	1496.4	1322.2	1158.0	1013.6	880.9	765.1	654.4	562.4	480.4	408.7	343.8
47.5°	1693.9	1496.4	1307.8	1129.7	981.1	842.1	721.0	613.0	515.0	439.4	367.5
45°	1890.5	1676.8	1462.8	1265.0	1078.0	927.4	789.1	661.8	558.6	469.0	390.2
42.5°	2082.6	1854.9	1625.9	1395.9	1194.2	1013.3	854.5	719.3	600.7	497.4	413.8
40°	2260.9	2028.7	1784.3	1541.8	1310.3	1096.3	928.3	776.1	641.0	527.4	437.5
37.5°	2431.7	2191.5	1939.7	1681.6	1425.8	1198.2	1000.1	830.3	682.2	561.3	460.0
35°	2577.8	2344.0	2088.1	1817.0	1548.5	1295.1	1068.3	885.6	728.1	593.5	481.3
32.5°	2715.6	2483.9	2223.2	1947.1	1664.6	1386.6	1144.1	943.7	771.5	623.8	501.4
30°	2836.4	2605.1	2350.2	2069.7	1774.8	1485.3	1222.2	998.2	812.1	652.1	521.6
27.5°	2946.9	2718.7	2466.1	2180.6	1880.0	1578.5	1295.1	1048.9	849.9	681.1	544.5
25°	3047.2	2816.9	2563.7	2282.1	1977.3	1664.6	1362.3	1096.3	889.2	711.8	565.6
22.5°	3132.9	2904.7	2653.4	2375.3	2066.5	1743.5	1428.7	1151.6	927.4	739.9	584.9
20°	3210.9	2984.5	2734.7	2457.9	2145.3	1817.0	1493.2	1201.6	961.8	765.1	602.3
17.5°	3279.9	3052.5	2801.6	2524.6	2214.1	1882.5	1550.7	1246.0	992.3	787.6	617.7
15°	3336.5	3109.1	2859.2	2583.0	2274.4	1939.7	1600.8	1284.8	1019.0	807.2	631.1
12.5°	3384.9	3157.5	2908.4	2632.8	2325.7	1988.5	1643.6	1317.8	1041.7	823.8	642.5
10°	3425.0	3197.5	2949.0	2673.9	2368.1	2028.7	1678.7	1345.0	1060.4	837.5	651.9
7.5°	3456.5	3228.8	2980.7	2706.1	2401.2	2060.1	1706.2	1366.2	1075.0	848.2	659.3
5°	3479.1	3251.3	3003.6	2729.2	2424.9	2082.6	1725.9	1381.4	1085.4	855.9	664.5
2.5°	3492.7	3264.9	3017.3	2743.1	2439.2	2096.2	1737.7	1390.6	1091.7	860.5	667.6
0°	3497.3	3269.4	3021.9	2747.7	2444.0	2100.7	1741.7	1393.6	1093.8	862.0	668.7
-2.5°	3492.7	3264.9	3017.3	2743.1	2439.2	2096.2	1737.7	1390.6	1091.7	860.5	667.6
-5°	3479.1	3251.3	3003.6	2729.2	2424.9	2082.6	1725.9	1381.4	1085.4	855.9	664.5
-7.5°	3456.5	3228.8	2980.7	2706.1	2401.2	2060.1	1706.2	1366.2	1075.0	848.2	659.3
-10°	3425.0	3197.5	2949.0	2673.9	2368.1	2028.7	1678.7	1345.0	1060.4	837.5	651.9
-12.5°	3384.9	3157.5	2908.4	2632.8	2325.7	1988.5	1643.6	1317.8	1041.7	823.8	642.5
-15°	3336.5	3109.1	2859.2	2583.0	2274.4	1939.7	1600.8	1284.8	1019.0	807.2	631.1
-17.5°	3279.9	3052.5	2801.6	2524.6	2214.1	1882.5	1550.7	1246.0	992.3	787.6	617.7
-20°	3210.9	2984.5	2734.7	2457.9	2145.3	1817.0	1493.2	1201.6	961.8	765.1	602.3



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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°	3132.9	2904.7	2653.4	2375.3	2066.5	1743.5	1428.7	1151.6	927.4	739.9	584.9
-25°	3047.2	2816.9	2563.7	2282.1	1977.3	1664.6	1362.3	1096.3	889.2	711.8	565.6
-27.5°	2946.9	2718.7	2466.1	2180.6	1880.0	1578.5	1295.1	1048.9	849.9	681.1	544.5
-30°	2836.4	2605.1	2350.2	2069.7	1774.8	1485.3	1222.2	998.2	812.1	652.1	521.6
-32.5°	2715.6	2483.9	2223.2	1947.1	1664.6	1386.6	1144.1	943.7	771.5	623.8	501.4
-35°	2577.8	2344.0	2088.1	1817.0	1548.5	1295.1	1068.3	885.6	728.1	593.5	481.3
-37.5°	2431.7	2191.5	1939.7	1681.6	1425.8	1198.2	1000.1	830.3	682.2	561.3	460.0
-40°	2260.9	2028.7	1784.3	1541.8	1310.3	1096.3	928.3	776.1	641.0	527.4	437.5
-42.5°	2082.6	1854.9	1625.9	1395.9	1194.2	1013.3	854.5	719.3	600.7	497.4	413.8
-45°	1890.5	1676.8	1462.8	1265.0	1078.0	927.4	789.1	661.8	558.6	469.0	390.2
-47.5°	1693.9	1496.4	1307.8	1129.7	981.1	842.1	721.0	613.0	515.0	439.4	367.5
-50°	1496.4	1322.2	1158.0	1013.6	880.9	765.1	654.4	562.4	480.4	408.7	343.8
-52.5°	1307.8	1158.0	1024.4	902.5	791.8	685.8	596.9	511.5	444.6	379.6	319.4
-55°	1129.7	1013.6	902.5	800.7	703.5	617.7	537.7	470.6	407.8	350.7	294.0
-57.5°	981.1	880.9	791.8	703.5	624.6	551.5	486.2	428.5	373.4	321.1	266.7
-60°	842.1	765.1	685.8	617.7	551.5	491.5	438.9	387.1	339.2	290.3	238.7
-62.5°	721.0	654.4	596.9	537.7	486.2	438.9	391.6	348.3	304.2	257.6	210.1
-65°	613.0	562.4	511.5	470.6	428.5	387.1	348.3	308.7	267.1	224.3	181.6
-67.5°	515.0	480.4	444.6	407.8	373.4	339.2	304.2	267.1	229.0	190.3	154.5
-70°	439.4	408.7	379.6	350.7	321.1	290.3	257.6	224.3	190.3	158.8	127.0
-72.5°	367.5	343.8	319.4	294.0	266.7	238.7	210.1	181.6	154.5	127.0	99.0
-75°	299.8	278.7	256.7	234.0	210.6	186.9	164.5	141.7	118.4	94.8	77.3
-77.5°	228.5	210.8	192.5	175.0	157.3	139.1	120.5	101.4	85.0	71.5	57.7
-80°	159.6	146.7	133.4	119.7	105.5	91.2	81.0	70.5	59.8	49.0	37.9
-82.5°	94.0	86.7	79.8	72.8	65.5	58.0	50.3	42.4	34.4	26.3	22.2
-85°	48.2	43.8	39.2	34.5	29.6	24.7	22.8	20.9	18.9	16.9	14.8
-87.5°	16.7	15.9	15.0	14.2	13.3	12.3	11.4	10.4	9.4	8.4	7.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	5.3	4.3	3.2	2.2	1.1	0.0
85°	12.8	10.7	8.6	6.4	4.3	2.2	0.0
82.5°	19.1	16.0	12.8	9.6	6.4	3.2	0.0
80°	26.7	21.3	17.1	12.8	8.6	4.3	0.0
77.5°	43.8	29.7	21.3	16.0	10.7	5.3	0.0
75°	60.6	43.8	26.7	19.1	12.8	6.4	0.0
72.5°	77.3	57.7	37.9	22.2	14.8	7.4	0.0
70°	94.8	71.5	49.0	26.3	16.9	8.4	0.0
67.5°	118.4	85.0	59.8	34.4	18.9	9.4	0.0
65°	141.7	101.4	70.5	42.4	20.9	10.4	0.0
62.5°	164.5	120.5	81.0	50.3	22.8	11.4	0.0
60°	186.9	139.1	91.2	58.0	24.7	12.3	0.0
57.5°	210.6	157.3	105.5	65.5	29.6	13.3	0.0
55°	234.0	175.0	119.7	72.8	34.5	14.2	0.0
52.5°	256.7	192.5	133.4	79.8	39.2	15.0	0.0
50°	278.7	210.8	146.7	86.7	43.8	15.9	0.0
47.5°	299.8	228.5	159.6	94.0	48.2	16.7	0.0
45°	319.3	245.4	171.9	103.3	52.4	17.5	0.0
42.5°	337.9	261.7	183.8	112.1	56.4	18.2	0.0
40°	355.8	277.3	195.6	120.6	60.3	18.9	0.0
37.5°	372.7	292.1	207.4	128.6	64.0	19.6	0.0
35°	388.8	305.6	218.5	136.2	67.4	20.2	0.0
32.5°	404.4	318.1	229.0	143.3	70.7	20.8	0.0
30°	420.5	329.8	238.8	149.9	73.7	21.4	0.0
27.5°	435.3	340.7	247.9	156.1	76.5	21.9	0.0
25°	449.0	350.7	256.3	161.8	79.1	22.4	0.0
22.5°	461.5	359.8	263.9	167.0	81.5	22.8	0.0
20°	472.8	368.0	270.7	171.6	83.6	23.2	0.0
17.5°	482.8	375.3	276.8	175.8	85.5	23.6	0.0
15°	491.5	381.7	282.1	179.4	87.1	23.9	0.0
12.5°	498.9	387.1	286.6	182.4	88.5	24.1	0.0
10°	504.9	391.5	290.3	184.9	89.7	24.3	0.0
7.5°	509.7	394.9	293.2	186.9	90.6	24.5	0.0
5°	513.1	397.4	295.2	188.3	91.2	24.6	0.0
2.5°	515.1	398.9	296.5	189.1	91.6	24.7	0.0
0°	515.8	399.4	296.9	189.4	91.7	24.7	0.0
-2.5°	515.1	398.9	296.5	189.1	91.6	24.7	0.0
-5°	513.1	397.4	295.2	188.3	91.2	24.6	0.0
-7.5°	509.7	394.9	293.2	186.9	90.6	24.5	0.0
-10°	504.9	391.5	290.3	184.9	89.7	24.3	0.0
-12.5°	498.9	387.1	286.6	182.4	88.5	24.1	0.0
-15°	491.5	381.7	282.1	179.4	87.1	23.9	0.0
-17.5°	482.8	375.3	276.8	175.8	85.5	23.6	0.0
-20°	472.8	368.0	270.7	171.6	83.6	23.2	0.0

Classified

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

Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	461.5	359.8	263.9	167.0	81.5	22.8	0.0
-25°	449.0	350.7	256.3	161.8	79.1	22.4	0.0
-27.5°	435.3	340.7	247.9	156.1	76.5	21.9	0.0
-30°	420.5	329.8	238.8	149.9	73.7	21.4	0.0
-32.5°	404.4	318.1	229.0	143.3	70.7	20.8	0.0
-35°	388.8	305.6	218.5	136.2	67.4	20.2	0.0
-37.5°	372.7	292.1	207.4	128.6	64.0	19.6	0.0
-40°	355.8	277.3	195.6	120.6	60.3	18.9	0.0
-42.5°	337.9	261.7	183.8	112.1	56.4	18.2	0.0
-45°	319.3	245.4	171.9	103.3	52.4	17.5	0.0
-47.5°	299.8	228.5	159.6	94.0	48.2	16.7	0.0
-50°	278.7	210.8	146.7	86.7	43.8	15.9	0.0
-52.5°	256.7	192.5	133.4	79.8	39.2	15.0	0.0
-55°	234.0	175.0	119.7	72.8	34.5	14.2	0.0
-57.5°	210.6	157.3	105.5	65.5	29.6	13.3	0.0
-60°	186.9	139.1	91.2	58.0	24.7	12.3	0.0
-62.5°	164.5	120.5	81.0	50.3	22.8	11.4	0.0
-65°	141.7	101.4	70.5	42.4	20.9	10.4	0.0
-67.5°	118.4	85.0	59.8	34.4	18.9	9.4	0.0
-70°	94.8	71.5	49.0	26.3	16.9	8.4	0.0
-72.5°	77.3	57.7	37.9	22.2	14.8	7.4	0.0
-75°	60.6	43.8	26.7	19.1	12.8	6.4	0.0
-77.5°	43.8	29.7	21.3	16.0	10.7	5.3	0.0
-80°	26.7	21.3	17.1	12.8	8.6	4.3	0.0
-82.5°	19.1	16.0	12.8	9.6	6.4	3.2	0.0
-85°	12.8	10.7	8.6	6.4	4.3	2.2	0.0
-87.5°	6.4	5.3	4.3	3.2	2.2	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)