

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: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645398 (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-SA2E-735-U-LAM-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

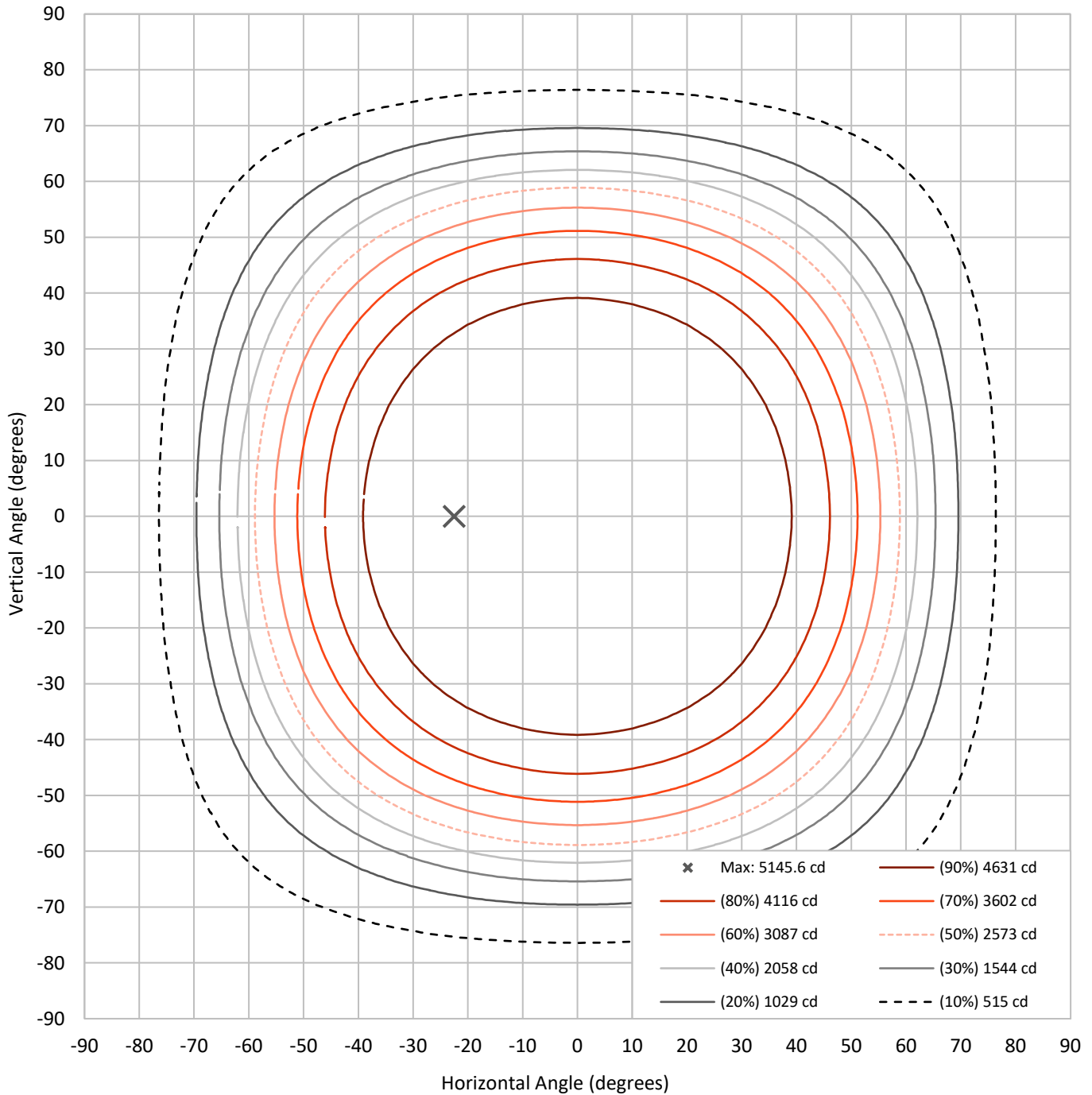
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	15740.8 lumens	Max Intensity:	5145.6 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	125.2 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:	13099.8 lumens	Field Lumens:	15431.2 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	125.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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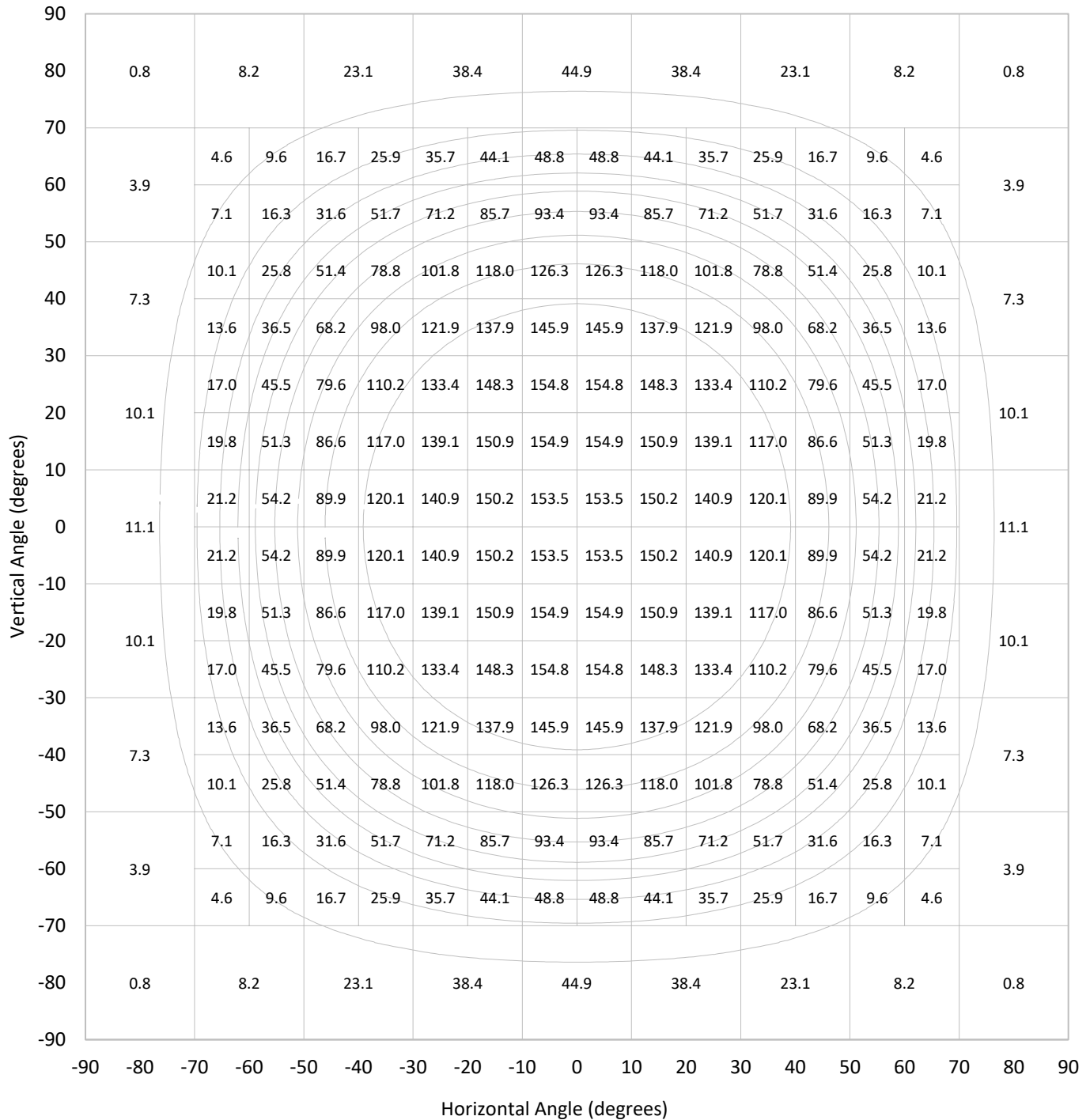
Iso-Candela Plot





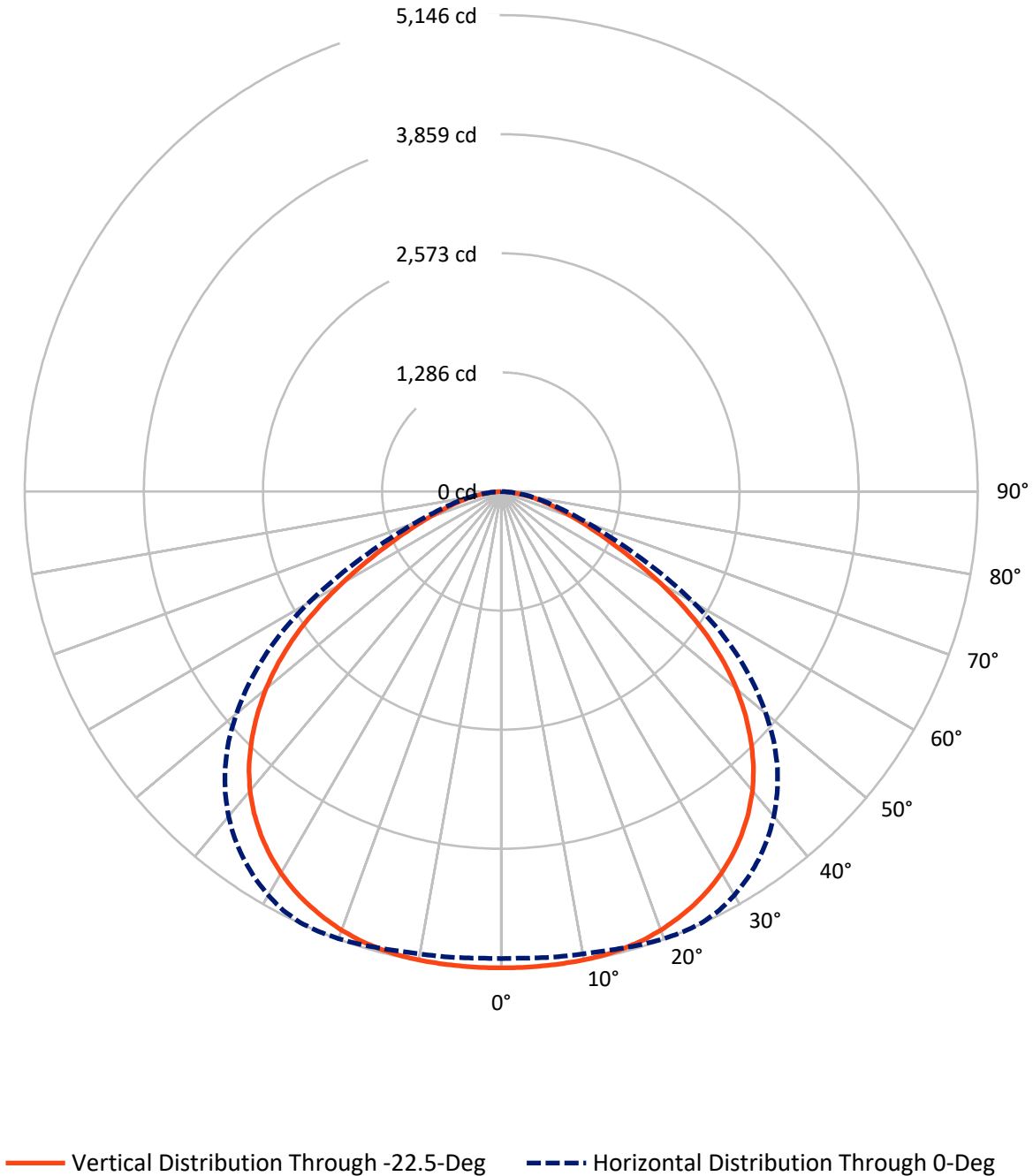
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Lumen Table



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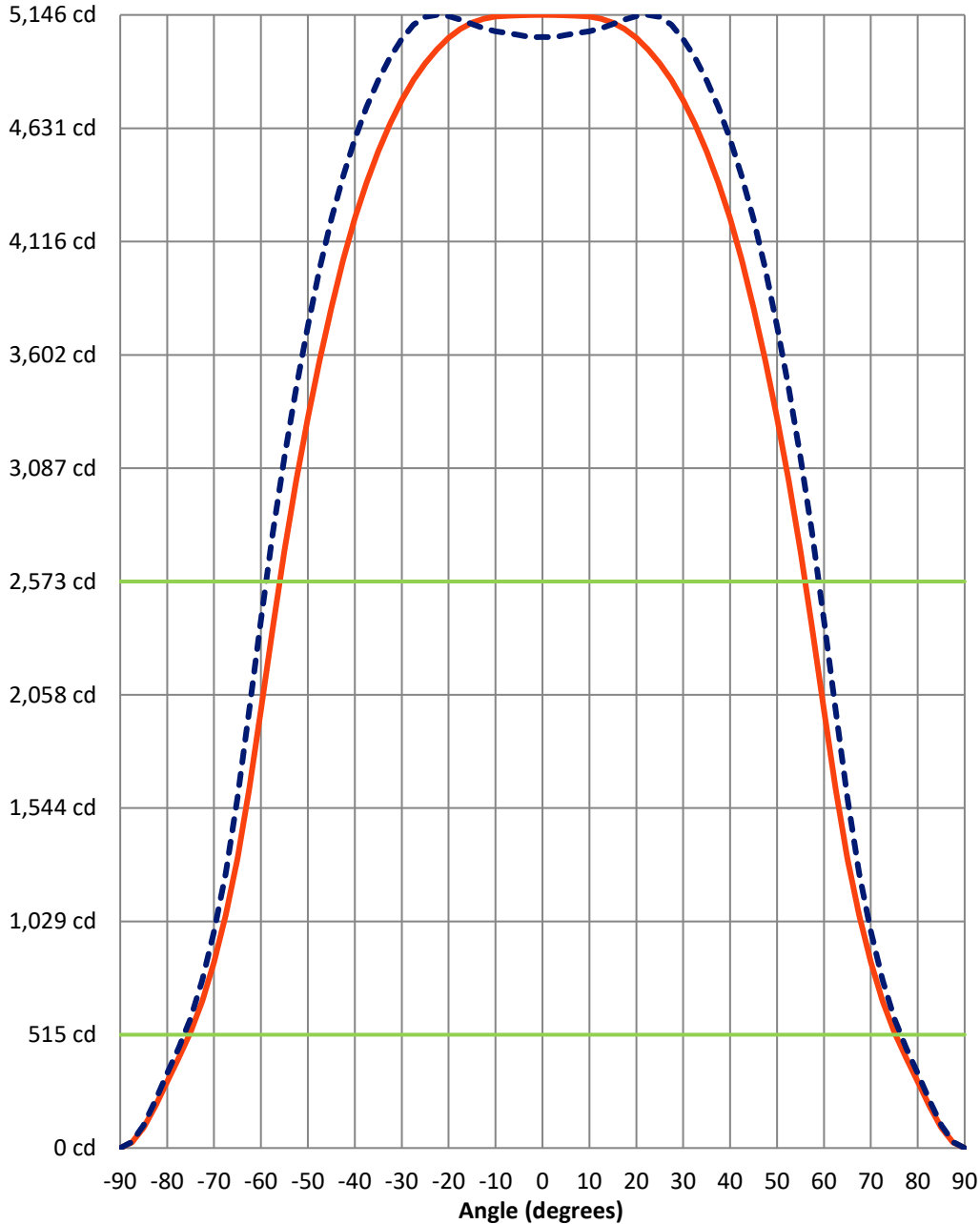
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 13099.8
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 15431.2
 Efficiency: 98.0%

Spill:
 Lumens: 309.6
 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	1.2	2.4	3.7	4.9	6.1	7.3	8.4	9.6	10.8	11.9
85°	0.0	2.4	4.9	7.3	9.7	12.1	14.5	16.9	19.2	21.5	23.7
82.5°	0.0	3.7	7.3	11.0	14.6	18.2	21.8	25.3	29.9	39.2	48.4
80°	0.0	4.9	9.7	14.6	19.4	24.2	30.4	43.2	55.8	68.2	80.4
77.5°	0.0	6.1	12.1	18.2	24.2	33.8	49.9	65.8	81.6	97.1	115.8
75°	0.0	7.3	14.5	21.8	30.4	49.9	69.2	88.3	108.2	135.2	161.8
72.5°	0.0	8.4	16.9	25.3	43.2	65.8	88.3	113.1	145.0	176.4	207.3
70°	0.0	9.6	19.2	29.9	55.8	81.6	108.2	145.0	181.3	217.2	256.0
67.5°	0.0	10.8	21.5	39.2	68.2	97.1	135.2	176.4	217.2	261.4	304.9
65°	0.0	11.9	23.7	48.4	80.4	115.8	161.8	207.3	256.0	304.9	352.4
62.5°	0.0	13.0	25.9	57.4	92.4	137.5	187.8	239.8	294.1	347.2	397.6
60°	0.0	14.0	28.1	66.2	104.1	158.8	213.3	272.5	331.4	387.2	441.9
57.5°	0.0	15.1	33.7	74.7	120.5	179.5	240.4	304.4	366.5	426.3	489.2
55°	0.0	16.1	39.3	83.1	136.6	199.8	267.1	335.6	400.4	465.5	537.3
52.5°	0.0	17.1	44.7	91.1	152.3	219.7	293.0	364.6	433.4	507.6	584.0
50°	0.0	18.1	49.9	99.0	167.5	240.6	318.1	392.5	466.6	548.5	642.1
47.5°	0.0	19.0	54.9	107.3	182.2	260.8	342.2	419.5	501.7	588.0	699.9
45°	0.0	19.9	59.8	117.9	196.3	280.2	364.4	445.5	535.5	637.8	755.6
42.5°	0.0	20.7	64.4	128.0	209.8	298.8	385.8	472.4	567.9	685.8	821.2
40°	0.0	21.5	68.8	137.6	223.3	316.5	406.1	499.5	602.1	731.8	886.1
37.5°	0.0	22.3	73.0	146.8	236.7	333.4	425.5	525.2	640.8	778.8	947.9
35°	0.0	23.0	76.9	155.4	249.5	348.8	443.8	549.6	677.6	831.3	1011.0
32.5°	0.0	23.7	80.7	163.6	261.4	363.2	461.8	572.5	712.1	880.8	1077.4
30°	0.0	24.3	84.1	171.2	272.6	376.5	480.1	595.5	744.5	927.1	1139.6
27.5°	0.0	24.9	87.4	178.2	283.0	389.0	497.0	621.7	777.6	970.2	1197.5
25°	0.0	25.5	90.3	184.7	292.5	400.4	512.7	645.8	812.6	1015.2	1251.6
22.5°	0.0	26.0	93.0	190.6	301.2	410.8	526.9	667.8	844.6	1058.7	1314.8
20°	0.0	26.4	95.4	195.9	309.0	420.2	539.8	687.6	873.5	1098.0	1371.8
17.5°	0.0	26.8	97.6	200.6	316.0	428.5	551.2	705.2	899.1	1132.9	1422.5
15°	0.0	27.1	99.5	204.7	322.0	435.7	561.1	720.5	921.5	1163.4	1466.8
12.5°	0.0	27.4	101.1	208.2	327.2	441.9	569.6	733.5	940.5	1189.3	1504.5
10°	0.0	27.7	102.4	211.1	331.4	447.0	576.5	744.3	956.2	1210.6	1535.5
7.5°	0.0	27.9	103.4	213.3	334.7	450.9	581.9	752.6	968.4	1227.2	1559.7
5°	0.0	28.0	104.1	214.9	337.0	453.7	585.8	758.6	977.1	1239.1	1577.1
2.5°	0.0	28.1	104.6	215.9	338.4	455.4	588.1	762.2	982.3	1246.3	1587.5
0°	0.0	28.1	104.7	216.2	338.9	456.0	588.9	763.4	984.1	1248.7	1591.0
-2.5°	0.0	28.1	104.6	215.9	338.4	455.4	588.1	762.2	982.3	1246.3	1587.5
-5°	0.0	28.0	104.1	214.9	337.0	453.7	585.8	758.6	977.1	1239.1	1577.1
-7.5°	0.0	27.9	103.4	213.3	334.7	450.9	581.9	752.6	968.4	1227.2	1559.7
-10°	0.0	27.7	102.4	211.1	331.4	447.0	576.5	744.3	956.2	1210.6	1535.5
-12.5°	0.0	27.4	101.1	208.2	327.2	441.9	569.6	733.5	940.5	1189.3	1504.5
-15°	0.0	27.1	99.5	204.7	322.0	435.7	561.1	720.5	921.5	1163.4	1466.8
-17.5°	0.0	26.8	97.6	200.6	316.0	428.5	551.2	705.2	899.1	1132.9	1422.5
-20°	0.0	26.4	95.4	195.9	309.0	420.2	539.8	687.6	873.5	1098.0	1371.8

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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	26.0	93.0	190.6	301.2	410.8	526.9	667.8	844.6	1058.7	1314.8
-25°	0.0	25.5	90.3	184.7	292.5	400.4	512.7	645.8	812.6	1015.2	1251.6
-27.5°	0.0	24.9	87.4	178.2	283.0	389.0	497.0	621.7	777.6	970.2	1197.5
-30°	0.0	24.3	84.1	171.2	272.6	376.5	480.1	595.5	744.5	927.1	1139.6
-32.5°	0.0	23.7	80.7	163.6	261.4	363.2	461.8	572.5	712.1	880.8	1077.4
-35°	0.0	23.0	76.9	155.4	249.5	348.8	443.8	549.6	677.6	831.3	1011.0
-37.5°	0.0	22.3	73.0	146.8	236.7	333.4	425.5	525.2	640.8	778.8	947.9
-40°	0.0	21.5	68.8	137.6	223.3	316.5	406.1	499.5	602.1	731.8	886.1
-42.5°	0.0	20.7	64.4	128.0	209.8	298.8	385.8	472.4	567.9	685.8	821.2
-45°	0.0	19.9	59.8	117.9	196.3	280.2	364.4	445.5	535.5	637.8	755.6
-47.5°	0.0	19.0	54.9	107.3	182.2	260.8	342.2	419.5	501.7	588.0	699.9
-50°	0.0	18.1	49.9	99.0	167.5	240.6	318.1	392.5	466.6	548.5	642.1
-52.5°	0.0	17.1	44.7	91.1	152.3	219.7	293.0	364.6	433.4	507.6	584.0
-55°	0.0	16.1	39.3	83.1	136.6	199.8	267.1	335.6	400.4	465.5	537.3
-57.5°	0.0	15.1	33.7	74.7	120.5	179.5	240.4	304.4	366.5	426.3	489.2
-60°	0.0	14.0	28.1	66.2	104.1	158.8	213.3	272.5	331.4	387.2	441.9
-62.5°	0.0	13.0	25.9	57.4	92.4	137.5	187.8	239.8	294.1	347.2	397.6
-65°	0.0	11.9	23.7	48.4	80.4	115.8	161.8	207.3	256.0	304.9	352.4
-67.5°	0.0	10.8	21.5	39.2	68.2	97.1	135.2	176.4	217.2	261.4	304.9
-70°	0.0	9.6	19.2	29.9	55.8	81.6	108.2	145.0	181.3	217.2	256.0
-72.5°	0.0	8.4	16.9	25.3	43.2	65.8	88.3	113.1	145.0	176.4	207.3
-75°	0.0	7.3	14.5	21.8	30.4	49.9	69.2	88.3	108.2	135.2	161.8
-77.5°	0.0	6.1	12.1	18.2	24.2	33.8	49.9	65.8	81.6	97.1	115.8
-80°	0.0	4.9	9.7	14.6	19.4	24.2	30.4	43.2	55.8	68.2	80.4
-82.5°	0.0	3.7	7.3	11.0	14.6	18.2	21.8	25.3	29.9	39.2	48.4
-85°	0.0	2.4	4.9	7.3	9.7	12.1	14.5	16.9	19.2	21.5	23.7
-87.5°	0.0	1.2	2.4	3.7	4.9	6.1	7.3	8.4	9.6	10.8	11.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA2E-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°	13.0	14.0	15.1	16.1	17.1	18.1	19.0	19.9	20.7	21.5	22.3
85°	25.9	28.1	33.7	39.3	44.7	49.9	54.9	59.8	64.4	68.8	73.0
82.5°	57.4	66.2	74.7	83.1	91.1	99.0	107.3	117.9	128.0	137.6	146.8
80°	92.4	104.1	120.5	136.6	152.3	167.5	182.2	196.3	209.8	223.3	236.7
77.5°	137.5	158.8	179.5	199.8	219.7	240.6	260.8	280.2	298.8	316.5	333.4
75°	187.8	213.3	240.4	267.1	293.0	318.1	342.2	364.4	385.8	406.1	425.5
72.5°	239.8	272.5	304.4	335.6	364.6	392.5	419.5	445.5	472.4	499.5	525.2
70°	294.1	331.4	366.5	400.4	433.4	466.6	501.7	535.5	567.9	602.1	640.8
67.5°	347.2	387.2	426.3	465.5	507.6	548.5	588.0	637.8	685.8	731.8	778.8
65°	397.6	441.9	489.2	537.3	584.0	642.1	699.9	755.6	821.2	886.1	947.9
62.5°	447.1	501.1	555.1	613.9	681.4	747.1	823.2	900.8	975.6	1059.8	1141.7
60°	501.1	561.1	629.7	705.2	782.9	873.5	961.4	1058.7	1156.8	1251.6	1367.9
57.5°	555.1	629.7	713.1	803.1	903.9	1005.7	1120.0	1230.6	1363.3	1495.9	1627.7
55°	613.9	705.2	803.1	914.1	1030.3	1157.1	1289.7	1444.1	1593.7	1760.2	1919.7
52.5°	681.4	782.9	903.9	1030.3	1169.5	1322.0	1493.1	1670.0	1856.2	2037.1	2214.5
50°	747.1	873.5	1005.7	1157.1	1322.0	1509.5	1708.4	1914.3	2117.7	2316.1	2501.9
47.5°	823.2	961.4	1120.0	1289.7	1493.1	1708.4	1933.8	2158.3	2377.7	2581.2	2776.1
45°	900.8	1058.7	1230.6	1444.1	1670.0	1914.3	2158.3	2398.3	2621.1	2831.4	3015.4
42.5°	975.6	1156.8	1363.3	1593.7	1856.2	2117.7	2377.7	2621.1	2849.4	3051.9	3236.7
40°	1059.8	1251.6	1495.9	1760.2	2037.1	2316.1	2581.2	2831.4	3051.9	3253.6	3440.7
37.5°	1141.7	1367.9	1627.7	1919.7	2214.5	2501.9	2776.1	3015.4	3236.7	3440.7	3620.3
35°	1219.6	1478.5	1767.8	2074.4	2383.9	2676.0	2942.9	3186.5	3406.4	3604.4	3788.0
32.5°	1306.1	1583.0	1900.4	2223.0	2538.1	2835.6	3100.2	3338.5	3557.2	3758.2	3940.4
30°	1395.3	1695.7	2026.2	2362.9	2683.0	2974.0	3238.1	3479.4	3696.4	3894.9	4073.5
27.5°	1478.5	1802.1	2146.3	2489.5	2815.4	3103.8	3364.3	3602.0	3820.1	4020.0	4193.1
25°	1555.3	1900.4	2257.4	2605.4	2926.8	3215.9	3478.8	3716.3	3933.1	4124.9	4293.3
22.5°	1631.1	1990.4	2359.3	2711.7	3029.2	3316.1	3576.6	3814.7	4031.7	4221.7	4383.2
20°	1704.7	2074.4	2449.2	2806.0	3122.1	3407.2	3665.7	3903.3	4114.5	4298.5	4459.3
17.5°	1770.3	2149.2	2527.7	2882.1	3198.5	3484.9	3744.5	3982.8	4189.0	4367.8	4525.0
15°	1827.6	2214.5	2596.5	2948.8	3264.2	3549.5	3809.1	4044.8	4249.6	4426.9	4582.9
12.5°	1876.4	2270.2	2655.1	3005.7	3320.3	3604.8	3864.4	4096.9	4298.2	4473.2	4625.9
10°	1916.5	2316.1	2703.5	3052.7	3366.6	3650.4	3910.2	4140.0	4338.6	4511.7	4661.7
7.5°	1947.9	2352.0	2741.2	3089.4	3402.9	3686.2	3946.1	4173.8	4370.3	4542.0	4689.9
5°	1970.4	2377.7	2768.3	3115.7	3429.0	3711.9	3971.9	4198.2	4393.1	4563.9	4710.3
2.5°	1983.9	2393.1	2784.7	3131.6	3444.7	3727.4	3987.4	4212.9	4406.9	4577.1	4722.7
0°	1988.4	2398.3	2790.1	3136.9	3449.9	3732.6	3992.6	4217.8	4411.5	4581.5	4726.8
-2.5°	1983.9	2393.1	2784.7	3131.6	3444.7	3727.4	3987.4	4212.9	4406.9	4577.1	4722.7
-5°	1970.4	2377.7	2768.3	3115.7	3429.0	3711.9	3971.9	4198.2	4393.1	4563.9	4710.3
-7.5°	1947.9	2352.0	2741.2	3089.4	3402.9	3686.2	3946.1	4173.8	4370.3	4542.0	4689.9
-10°	1916.5	2316.1	2703.5	3052.7	3366.6	3650.4	3910.2	4140.0	4338.6	4511.7	4661.7
-12.5°	1876.4	2270.2	2655.1	3005.7	3320.3	3604.8	3864.4	4096.9	4298.2	4473.2	4625.9
-15°	1827.6	2214.5	2596.5	2948.8	3264.2	3549.5	3809.1	4044.8	4249.6	4426.9	4582.9
-17.5°	1770.3	2149.2	2527.7	2882.1	3198.5	3484.9	3744.5	3982.8	4189.0	4367.8	4525.0
-20°	1704.7	2074.4	2449.2	2806.0	3122.1	3407.2	3665.7	3903.3	4114.5	4298.5	4459.3

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1631.1	1990.4	2359.3	2711.7	3029.2	3316.1	3576.6	3814.7	4031.7	4221.7	4383.2
-25°	1555.3	1900.4	2257.4	2605.4	2926.8	3215.9	3478.8	3716.3	3933.1	4124.9	4293.3
-27.5°	1478.5	1802.1	2146.3	2489.5	2815.4	3103.8	3364.3	3602.0	3820.1	4020.0	4193.1
-30°	1395.3	1695.7	2026.2	2362.9	2683.0	2974.0	3238.1	3479.4	3696.4	3894.9	4073.5
-32.5°	1306.1	1583.0	1900.4	2223.0	2538.1	2835.6	3100.2	3338.5	3557.2	3758.2	3940.4
-35°	1219.6	1478.5	1767.8	2074.4	2383.9	2676.0	2942.9	3186.5	3406.4	3604.4	3788.0
-37.5°	1141.7	1367.9	1627.7	1919.7	2214.5	2501.9	2776.1	3015.4	3236.7	3440.7	3620.3
-40°	1059.8	1251.6	1495.9	1760.2	2037.1	2316.1	2581.2	2831.4	3051.9	3253.6	3440.7
-42.5°	975.6	1156.8	1363.3	1593.7	1856.2	2117.7	2377.7	2621.1	2849.4	3051.9	3236.7
-45°	900.8	1058.7	1230.6	1444.1	1670.0	1914.3	2158.3	2398.3	2621.1	2831.4	3015.4
-47.5°	823.2	961.4	1120.0	1289.7	1493.1	1708.4	1933.8	2158.3	2377.7	2581.2	2776.1
-50°	747.1	873.5	1005.7	1157.1	1322.0	1509.5	1708.4	1914.3	2117.7	2316.1	2501.9
-52.5°	681.4	782.9	903.9	1030.3	1169.5	1322.0	1493.1	1670.0	1856.2	2037.1	2214.5
-55°	613.9	705.2	803.1	914.1	1030.3	1157.1	1289.7	1444.1	1593.7	1760.2	1919.7
-57.5°	555.1	629.7	713.1	803.1	903.9	1005.7	1120.0	1230.6	1363.3	1495.9	1627.7
-60°	501.1	561.1	629.7	705.2	782.9	873.5	961.4	1058.7	1156.8	1251.6	1367.9
-62.5°	447.1	501.1	555.1	613.9	681.4	747.1	823.2	900.8	975.6	1059.8	1141.7
-65°	397.6	441.9	489.2	537.3	584.0	642.1	699.9	755.6	821.2	886.1	947.9
-67.5°	347.2	387.2	426.3	465.5	507.6	548.5	588.0	637.8	685.8	731.8	778.8
-70°	294.1	331.4	366.5	400.4	433.4	466.6	501.7	535.5	567.9	602.1	640.8
-72.5°	239.8	272.5	304.4	335.6	364.6	392.5	419.5	445.5	472.4	499.5	525.2
-75°	187.8	213.3	240.4	267.1	293.0	318.1	342.2	364.4	385.8	406.1	425.5
-77.5°	137.5	158.8	179.5	199.8	219.7	240.6	260.8	280.2	298.8	316.5	333.4
-80°	92.4	104.1	120.5	136.6	152.3	167.5	182.2	196.3	209.8	223.3	236.7
-82.5°	57.4	66.2	74.7	83.1	91.1	99.0	107.3	117.9	128.0	137.6	146.8
-85°	25.9	28.1	33.7	39.3	44.7	49.9	54.9	59.8	64.4	68.8	73.0
-87.5°	13.0	14.0	15.1	16.1	17.1	18.1	19.0	19.9	20.7	21.5	22.3
-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: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-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°	23.0	23.7	24.3	24.9	25.5	26.0	26.4	26.8	27.1	27.4	27.7
85°	76.9	80.7	84.1	87.4	90.3	93.0	95.4	97.6	99.5	101.1	102.4
82.5°	155.4	163.6	171.2	178.2	184.7	190.6	195.9	200.6	204.7	208.2	211.1
80°	249.5	261.4	272.6	283.0	292.5	301.2	309.0	316.0	322.0	327.2	331.4
77.5°	348.8	363.2	376.5	389.0	400.4	410.8	420.2	428.5	435.7	441.9	447.0
75°	443.8	461.8	480.1	497.0	512.7	526.9	539.8	551.2	561.1	569.6	576.5
72.5°	549.6	572.5	595.5	621.7	645.8	667.8	687.6	705.2	720.5	733.5	744.3
70°	677.6	712.1	744.5	777.6	812.6	844.6	873.5	899.1	921.5	940.5	956.2
67.5°	831.3	880.8	927.1	970.2	1015.2	1058.7	1098.0	1132.9	1163.4	1189.3	1210.6
65°	1011.0	1077.4	1139.6	1197.5	1251.6	1314.8	1371.8	1422.5	1466.8	1504.5	1535.5
62.5°	1219.6	1306.1	1395.3	1478.5	1555.3	1631.1	1704.7	1770.3	1827.6	1876.4	1916.5
60°	1478.5	1583.0	1695.7	1802.1	1900.4	1990.4	2074.4	2149.2	2214.5	2270.2	2316.1
57.5°	1767.8	1900.4	2026.2	2146.3	2257.4	2359.3	2449.2	2527.7	2596.5	2655.1	2703.5
55°	2074.4	2223.0	2362.9	2489.5	2605.4	2711.7	2806.0	2882.1	2948.8	3005.7	3052.7
52.5°	2383.9	2538.1	2683.0	2815.4	2926.8	3029.2	3122.1	3198.5	3264.2	3320.3	3366.6
50°	2676.0	2835.6	2974.0	3103.8	3215.9	3316.1	3407.2	3484.9	3549.5	3604.8	3650.4
47.5°	2942.9	3100.2	3238.1	3364.3	3478.8	3576.6	3665.7	3744.5	3809.1	3864.4	3910.2
45°	3186.5	3338.5	3479.4	3602.0	3716.3	3814.7	3903.3	3982.8	4044.8	4096.9	4140.0
42.5°	3406.4	3557.2	3696.4	3820.1	3933.1	4031.7	4114.5	4189.0	4249.6	4298.2	4338.6
40°	3604.4	3758.2	3894.9	4020.0	4124.9	4221.7	4298.5	4367.8	4426.9	4473.2	4511.7
37.5°	3788.0	3940.4	4073.5	4193.1	4293.3	4383.2	4459.3	4525.0	4582.9	4625.9	4661.7
35°	3955.7	4100.6	4232.3	4341.9	4441.2	4525.9	4600.8	4661.4	4715.3	4756.2	4788.8
32.5°	4100.6	4244.3	4366.5	4474.5	4571.4	4650.5	4722.3	4777.8	4826.7	4866.1	4896.4
30°	4232.3	4366.5	4485.6	4592.6	4680.9	4757.9	4822.6	4876.8	4921.9	4959.5	4986.2
27.5°	4341.9	4474.5	4592.6	4691.1	4775.7	4849.8	4909.0	4961.2	5000.6	5035.1	5058.1
25°	4441.2	4571.4	4680.9	4775.7	4857.7	4925.4	4981.7	5029.0	5063.9	5093.5	5110.6
22.5°	4525.9	4650.5	4757.9	4849.8	4925.4	4988.7	5041.7	5081.7	5110.3	5128.2	5138.3
20°	4600.8	4722.3	4822.6	4909.0	4981.7	5041.7	5087.8	5117.3	5137.3	5142.2	5145.1
17.5°	4661.4	4777.8	4876.8	4961.2	5029.0	5081.7	5117.3	5138.2	5144.2	5143.1	5140.2
15°	4715.3	4826.7	4921.9	5000.6	5063.9	5110.3	5137.3	5144.2	5142.4	5136.4	5127.1
12.5°	4756.2	4866.1	4959.5	5035.1	5093.5	5128.2	5142.2	5143.1	5136.4	5124.9	5111.7
10°	4788.8	4896.4	4986.2	5058.1	5110.6	5138.3	5145.1	5140.2	5127.1	5111.7	5097.1
7.5°	4814.6	4920.4	5007.4	5076.4	5121.7	5141.4	5142.9	5133.6	5118.0	5100.5	5084.7
5°	4833.3	4937.9	5022.8	5089.7	5129.9	5143.7	5141.3	5128.5	5110.4	5092.1	5077.6
2.5°	4844.6	4948.5	5032.2	5097.9	5134.9	5145.1	5140.3	5125.3	5105.6	5086.7	5072.9
0°	4848.4	4952.0	5035.3	5100.6	5136.6	5145.6	5140.0	5124.2	5104.0	5084.8	5071.3
-2.5°	4844.6	4948.5	5032.2	5097.9	5134.9	5145.1	5140.3	5125.3	5105.6	5086.7	5072.9
-5°	4833.3	4937.9	5022.8	5089.7	5129.9	5143.7	5141.3	5128.5	5110.4	5092.1	5077.6
-7.5°	4814.6	4920.4	5007.4	5076.4	5121.7	5141.4	5142.9	5133.6	5118.0	5100.5	5084.7
-10°	4788.8	4896.4	4986.2	5058.1	5110.6	5138.3	5145.1	5140.2	5127.1	5111.7	5097.1
-12.5°	4756.2	4866.1	4959.5	5035.1	5093.5	5128.2	5142.2	5143.1	5136.4	5124.9	5111.7
-15°	4715.3	4826.7	4921.9	5000.6	5063.9	5110.3	5137.3	5144.2	5142.4	5136.4	5127.1
-17.5°	4661.4	4777.8	4876.8	4961.2	5029.0	5081.7	5117.3	5138.2	5144.2	5143.1	5140.2
-20°	4600.8	4722.3	4822.6	4909.0	4981.7	5041.7	5087.8	5117.3	5137.3	5142.2	5145.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4525.9	4650.5	4757.9	4849.8	4925.4	4988.7	5041.7	5081.7	5110.3	5128.2	5138.3
-25°	4441.2	4571.4	4680.9	4775.7	4857.7	4925.4	4981.7	5029.0	5063.9	5093.5	5110.6
-27.5°	4341.9	4474.5	4592.6	4691.1	4775.7	4849.8	4909.0	4961.2	5000.6	5035.1	5058.1
-30°	4232.3	4366.5	4485.6	4592.6	4680.9	4757.9	4822.6	4876.8	4921.9	4959.5	4986.2
-32.5°	4100.6	4244.3	4366.5	4474.5	4571.4	4650.5	4722.3	4777.8	4826.7	4866.1	4896.4
-35°	3955.7	4100.6	4232.3	4341.9	4441.2	4525.9	4600.8	4661.4	4715.3	4756.2	4788.8
-37.5°	3788.0	3940.4	4073.5	4193.1	4293.3	4383.2	4459.3	4525.0	4582.9	4625.9	4661.7
-40°	3604.4	3758.2	3894.9	4020.0	4124.9	4221.7	4298.5	4367.8	4426.9	4473.2	4511.7
-42.5°	3406.4	3557.2	3696.4	3820.1	3933.1	4031.7	4114.5	4189.0	4249.6	4298.2	4338.6
-45°	3186.5	3338.5	3479.4	3602.0	3716.3	3814.7	3903.3	3982.8	4044.8	4096.9	4140.0
-47.5°	2942.9	3100.2	3238.1	3364.3	3478.8	3576.6	3665.7	3744.5	3809.1	3864.4	3910.2
-50°	2676.0	2835.6	2974.0	3103.8	3215.9	3316.1	3407.2	3484.9	3549.5	3604.8	3650.4
-52.5°	2383.9	2538.1	2683.0	2815.4	2926.8	3029.2	3122.1	3198.5	3264.2	3320.3	3366.6
-55°	2074.4	2223.0	2362.9	2489.5	2605.4	2711.7	2806.0	2882.1	2948.8	3005.7	3052.7
-57.5°	1767.8	1900.4	2026.2	2146.3	2257.4	2359.3	2449.2	2527.7	2596.5	2655.1	2703.5
-60°	1478.5	1583.0	1695.7	1802.1	1900.4	1990.4	2074.4	2149.2	2214.5	2270.2	2316.1
-62.5°	1219.6	1306.1	1395.3	1478.5	1555.3	1631.1	1704.7	1770.3	1827.6	1876.4	1916.5
-65°	1011.0	1077.4	1139.6	1197.5	1251.6	1314.8	1371.8	1422.5	1466.8	1504.5	1535.5
-67.5°	831.3	880.8	927.1	970.2	1015.2	1058.7	1098.0	1132.9	1163.4	1189.3	1210.6
-70°	677.6	712.1	744.5	777.6	812.6	844.6	873.5	899.1	921.5	940.5	956.2
-72.5°	549.6	572.5	595.5	621.7	645.8	667.8	687.6	705.2	720.5	733.5	744.3
-75°	443.8	461.8	480.1	497.0	512.7	526.9	539.8	551.2	561.1	569.6	576.5
-77.5°	348.8	363.2	376.5	389.0	400.4	410.8	420.2	428.5	435.7	441.9	447.0
-80°	249.5	261.4	272.6	283.0	292.5	301.2	309.0	316.0	322.0	327.2	331.4
-82.5°	155.4	163.6	171.2	178.2	184.7	190.6	195.9	200.6	204.7	208.2	211.1
-85°	76.9	80.7	84.1	87.4	90.3	93.0	95.4	97.6	99.5	101.1	102.4
-87.5°	23.0	23.7	24.3	24.9	25.5	26.0	26.4	26.8	27.1	27.4	27.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.9	28.0	28.1	28.1	28.1	28.0	27.9	27.7	27.4	27.1	26.8
85°	103.4	104.1	104.6	104.7	104.6	104.1	103.4	102.4	101.1	99.5	97.6
82.5°	213.3	214.9	215.9	216.2	215.9	214.9	213.3	211.1	208.2	204.7	200.6
80°	334.7	337.0	338.4	338.9	338.4	337.0	334.7	331.4	327.2	322.0	316.0
77.5°	450.9	453.7	455.4	456.0	455.4	453.7	450.9	447.0	441.9	435.7	428.5
75°	581.9	585.8	588.1	588.9	588.1	585.8	581.9	576.5	569.6	561.1	551.2
72.5°	752.6	758.6	762.2	763.4	762.2	758.6	752.6	744.3	733.5	720.5	705.2
70°	968.4	977.1	982.3	984.1	982.3	977.1	968.4	956.2	940.5	921.5	899.1
67.5°	1227.2	1239.1	1246.3	1248.7	1246.3	1239.1	1227.2	1210.6	1189.3	1163.4	1132.9
65°	1559.7	1577.1	1587.5	1591.0	1587.5	1577.1	1559.7	1535.5	1504.5	1466.8	1422.5
62.5°	1947.9	1970.4	1983.9	1988.4	1983.9	1970.4	1947.9	1916.5	1876.4	1827.6	1770.3
60°	2352.0	2377.7	2393.1	2398.3	2393.1	2377.7	2352.0	2316.1	2270.2	2214.5	2149.2
57.5°	2741.2	2768.3	2784.7	2790.1	2784.7	2768.3	2741.2	2703.5	2655.1	2596.5	2527.7
55°	3089.4	3115.7	3131.6	3136.9	3131.6	3115.7	3089.4	3052.7	3005.7	2948.8	2882.1
52.5°	3402.9	3429.0	3444.7	3449.9	3444.7	3429.0	3402.9	3366.6	3320.3	3264.2	3198.5
50°	3686.2	3711.9	3727.4	3732.6	3727.4	3711.9	3686.2	3650.4	3604.8	3549.5	3484.9
47.5°	3946.1	3971.9	3987.4	3992.6	3987.4	3971.9	3946.1	3910.2	3864.4	3809.1	3744.5
45°	4173.8	4198.2	4212.9	4217.8	4212.9	4198.2	4173.8	4140.0	4096.9	4044.8	3982.8
42.5°	4370.3	4393.1	4406.9	4411.5	4406.9	4393.1	4370.3	4338.6	4298.2	4249.6	4189.0
40°	4542.0	4563.9	4577.1	4581.5	4577.1	4563.9	4542.0	4511.7	4473.2	4426.9	4367.8
37.5°	4689.9	4710.3	4722.7	4726.8	4722.7	4710.3	4689.9	4661.7	4625.9	4582.9	4525.0
35°	4814.6	4833.3	4844.6	4848.4	4844.6	4833.3	4814.6	4788.8	4756.2	4715.3	4661.4
32.5°	4920.4	4937.9	4948.5	4952.0	4948.5	4937.9	4920.4	4896.4	4866.1	4826.7	4777.8
30°	5007.4	5022.8	5032.2	5035.3	5032.2	5022.8	5007.4	4986.2	4959.5	4921.9	4876.8
27.5°	5076.4	5089.7	5097.9	5100.6	5097.9	5089.7	5076.4	5058.1	5035.1	5000.6	4961.2
25°	5121.7	5129.9	5134.9	5136.6	5134.9	5129.9	5121.7	5110.6	5093.5	5063.9	5029.0
22.5°	5141.4	5143.7	5145.1	5145.6	5145.1	5143.7	5141.4	5138.3	5128.2	5110.3	5081.7
20°	5142.9	5141.3	5140.3	5140.0	5140.3	5141.3	5142.9	5145.1	5142.2	5137.3	5117.3
17.5°	5133.6	5128.5	5125.3	5124.2	5125.3	5128.5	5133.6	5140.2	5143.1	5144.2	5138.2
15°	5118.0	5110.4	5105.6	5104.0	5105.6	5110.4	5118.0	5127.1	5136.4	5142.4	5144.2
12.5°	5100.5	5092.1	5086.7	5084.8	5086.7	5092.1	5100.5	5111.7	5124.9	5136.4	5143.1
10°	5084.7	5077.6	5072.9	5071.3	5072.9	5077.6	5084.7	5097.1	5111.7	5127.1	5140.2
7.5°	5074.5	5068.2	5064.7	5063.4	5064.7	5068.2	5074.5	5084.7	5100.5	5118.0	5133.6
5°	5068.2	5061.8	5056.5	5054.4	5056.5	5061.8	5068.2	5077.6	5092.1	5110.4	5128.5
2.5°	5064.7	5056.5	5048.5	5044.3	5048.5	5056.5	5064.7	5072.9	5086.7	5105.6	5125.3
0°	5063.4	5054.4	5044.3	5045.4	5044.3	5054.4	5063.4	5071.3	5084.8	5104.0	5124.2
-2.5°	5064.7	5056.5	5048.5	5044.3	5048.5	5056.5	5064.7	5072.9	5086.7	5105.6	5125.3
-5°	5068.2	5061.8	5056.5	5054.4	5056.5	5061.8	5068.2	5077.6	5092.1	5110.4	5128.5
-7.5°	5074.5	5068.2	5064.7	5063.4	5064.7	5068.2	5074.5	5084.7	5100.5	5118.0	5133.6
-10°	5084.7	5077.6	5072.9	5071.3	5072.9	5077.6	5084.7	5097.1	5111.7	5127.1	5140.2
-12.5°	5100.5	5092.1	5086.7	5084.8	5086.7	5092.1	5100.5	5111.7	5124.9	5136.4	5143.1
-15°	5118.0	5110.4	5105.6	5104.0	5105.6	5110.4	5118.0	5127.1	5136.4	5142.4	5144.2
-17.5°	5133.6	5128.5	5125.3	5124.2	5125.3	5128.5	5133.6	5140.2	5143.1	5144.2	5138.2
-20°	5142.9	5141.3	5140.3	5140.0	5140.3	5141.3	5142.9	5145.1	5142.2	5137.3	5117.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-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°	5141.4	5143.7	5145.1	5145.6	5145.1	5143.7	5141.4	5138.3	5128.2	5110.3	5081.7
-25°	5121.7	5129.9	5134.9	5136.6	5134.9	5129.9	5121.7	5110.6	5093.5	5063.9	5029.0
-27.5°	5076.4	5089.7	5097.9	5100.6	5097.9	5089.7	5076.4	5058.1	5035.1	5000.6	4961.2
-30°	5007.4	5022.8	5032.2	5035.3	5032.2	5022.8	5007.4	4986.2	4959.5	4921.9	4876.8
-32.5°	4920.4	4937.9	4948.5	4952.0	4948.5	4937.9	4920.4	4896.4	4866.1	4826.7	4777.8
-35°	4814.6	4833.3	4844.6	4848.4	4844.6	4833.3	4814.6	4788.8	4756.2	4715.3	4661.4
-37.5°	4689.9	4710.3	4722.7	4726.8	4722.7	4710.3	4689.9	4661.7	4625.9	4582.9	4525.0
-40°	4542.0	4563.9	4577.1	4581.5	4577.1	4563.9	4542.0	4511.7	4473.2	4426.9	4367.8
-42.5°	4370.3	4393.1	4406.9	4411.5	4406.9	4393.1	4370.3	4338.6	4298.2	4249.6	4189.0
-45°	4173.8	4198.2	4212.9	4217.8	4212.9	4198.2	4173.8	4140.0	4096.9	4044.8	3982.8
-47.5°	3946.1	3971.9	3987.4	3992.6	3987.4	3971.9	3946.1	3910.2	3864.4	3809.1	3744.5
-50°	3686.2	3711.9	3727.4	3732.6	3727.4	3711.9	3686.2	3650.4	3604.8	3549.5	3484.9
-52.5°	3402.9	3429.0	3444.7	3449.9	3444.7	3429.0	3402.9	3366.6	3320.3	3264.2	3198.5
-55°	3089.4	3115.7	3131.6	3136.9	3131.6	3115.7	3089.4	3052.7	3005.7	2948.8	2882.1
-57.5°	2741.2	2768.3	2784.7	2790.1	2784.7	2768.3	2741.2	2703.5	2655.1	2596.5	2527.7
-60°	2352.0	2377.7	2393.1	2398.3	2393.1	2377.7	2352.0	2316.1	2270.2	2214.5	2149.2
-62.5°	1947.9	1970.4	1983.9	1988.4	1983.9	1970.4	1947.9	1916.5	1876.4	1827.6	1770.3
-65°	1559.7	1577.1	1587.5	1591.0	1587.5	1577.1	1559.7	1535.5	1504.5	1466.8	1422.5
-67.5°	1227.2	1239.1	1246.3	1248.7	1246.3	1239.1	1227.2	1210.6	1189.3	1163.4	1132.9
-70°	968.4	977.1	982.3	984.1	982.3	977.1	968.4	956.2	940.5	921.5	899.1
-72.5°	752.6	758.6	762.2	763.4	762.2	758.6	752.6	744.3	733.5	720.5	705.2
-75°	581.9	585.8	588.1	588.9	588.1	585.8	581.9	576.5	569.6	561.1	551.2
-77.5°	450.9	453.7	455.4	456.0	455.4	453.7	450.9	447.0	441.9	435.7	428.5
-80°	334.7	337.0	338.4	338.9	338.4	337.0	334.7	331.4	327.2	322.0	316.0
-82.5°	213.3	214.9	215.9	216.2	215.9	214.9	213.3	211.1	208.2	204.7	200.6
-85°	103.4	104.1	104.6	104.7	104.6	104.1	103.4	102.4	101.1	99.5	97.6
-87.5°	27.9	28.0	28.1	28.1	28.1	28.0	27.9	27.7	27.4	27.1	26.8
-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: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-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°	26.4	26.0	25.5	24.9	24.3	23.7	23.0	22.3	21.5	20.7	19.9
85°	95.4	93.0	90.3	87.4	84.1	80.7	76.9	73.0	68.8	64.4	59.8
82.5°	195.9	190.6	184.7	178.2	171.2	163.6	155.4	146.8	137.6	128.0	117.9
80°	309.0	301.2	292.5	283.0	272.6	261.4	249.5	236.7	223.3	209.8	196.3
77.5°	420.2	410.8	400.4	389.0	376.5	363.2	348.8	333.4	316.5	298.8	280.2
75°	539.8	526.9	512.7	497.0	480.1	461.8	443.8	425.5	406.1	385.8	364.4
72.5°	687.6	667.8	645.8	621.7	595.5	572.5	549.6	525.2	499.5	472.4	445.5
70°	873.5	844.6	812.6	777.6	744.5	712.1	677.6	640.8	602.1	567.9	535.5
67.5°	1098.0	1058.7	1015.2	970.2	927.1	880.8	831.3	778.8	731.8	685.8	637.8
65°	1371.8	1314.8	1251.6	1197.5	1139.6	1077.4	1011.0	947.9	886.1	821.2	755.6
62.5°	1704.7	1631.1	1555.3	1478.5	1395.3	1306.1	1219.6	1141.7	1059.8	975.6	900.8
60°	2074.4	1990.4	1900.4	1802.1	1695.7	1583.0	1478.5	1367.9	1251.6	1156.8	1058.7
57.5°	2449.2	2359.3	2257.4	2146.3	2026.2	1900.4	1767.8	1627.7	1495.9	1363.3	1230.6
55°	2806.0	2711.7	2605.4	2489.5	2362.9	2223.0	2074.4	1919.7	1760.2	1593.7	1444.1
52.5°	3122.1	3029.2	2926.8	2815.4	2683.0	2538.1	2383.9	2214.5	2037.1	1856.2	1670.0
50°	3407.2	3316.1	3215.9	3103.8	2974.0	2835.6	2676.0	2501.9	2316.1	2117.7	1914.3
47.5°	3665.7	3576.6	3478.8	3364.3	3238.1	3100.2	2942.9	2776.1	2581.2	2377.7	2158.3
45°	3903.3	3814.7	3716.3	3602.0	3479.4	3338.5	3186.5	3015.4	2831.4	2621.1	2398.3
42.5°	4114.5	4031.7	3933.1	3820.1	3696.4	3557.2	3406.4	3236.7	3051.9	2849.4	2621.1
40°	4298.5	4221.7	4124.9	4020.0	3894.9	3758.2	3604.4	3440.7	3253.6	3051.9	2831.4
37.5°	4459.3	4383.2	4293.3	4193.1	4073.5	3940.4	3788.0	3620.3	3440.7	3236.7	3015.4
35°	4600.8	4525.9	4441.2	4341.9	4232.3	4100.6	3955.7	3788.0	3604.4	3406.4	3186.5
32.5°	4722.3	4650.5	4571.4	4474.5	4366.5	4244.3	4100.6	3940.4	3758.2	3557.2	3338.5
30°	4822.6	4757.9	4680.9	4592.6	4485.6	4366.5	4232.3	4073.5	3894.9	3696.4	3479.4
27.5°	4909.0	4849.8	4775.7	4691.1	4592.6	4474.5	4341.9	4193.1	4020.0	3820.1	3602.0
25°	4981.7	4925.4	4857.7	4775.7	4680.9	4571.4	4441.2	4293.3	4124.9	3933.1	3716.3
22.5°	5041.7	4988.7	4925.4	4849.8	4757.9	4650.5	4525.9	4383.2	4221.7	4031.7	3814.7
20°	5087.8	5041.7	4981.7	4909.0	4822.6	4722.3	4600.8	4459.3	4298.5	4114.5	3903.3
17.5°	5117.3	5081.7	5029.0	4961.2	4876.8	4777.8	4661.4	4525.0	4367.8	4189.0	3982.8
15°	5137.3	5110.3	5063.9	5000.6	4921.9	4826.7	4715.3	4582.9	4426.9	4249.6	4044.8
12.5°	5142.2	5128.2	5093.5	5035.1	4959.5	4866.1	4756.2	4625.9	4473.2	4298.2	4096.9
10°	5145.1	5138.3	5110.6	5058.1	4986.2	4896.4	4788.8	4661.7	4511.7	4338.6	4140.0
7.5°	5142.9	5141.4	5121.7	5076.4	5007.4	4920.4	4814.6	4689.9	4542.0	4370.3	4173.8
5°	5141.3	5143.7	5129.9	5089.7	5022.8	4937.9	4833.3	4710.3	4563.9	4393.1	4198.2
2.5°	5140.3	5145.1	5134.9	5097.9	5032.2	4948.5	4844.6	4722.7	4577.1	4406.9	4212.9
0°	5140.0	5145.6	5136.6	5100.6	5035.3	4952.0	4848.4	4726.8	4581.5	4411.5	4217.8
-2.5°	5140.3	5145.1	5134.9	5097.9	5032.2	4948.5	4844.6	4722.7	4577.1	4406.9	4212.9
-5°	5141.3	5143.7	5129.9	5089.7	5022.8	4937.9	4833.3	4710.3	4563.9	4393.1	4198.2
-7.5°	5142.9	5141.4	5121.7	5076.4	5007.4	4920.4	4814.6	4689.9	4542.0	4370.3	4173.8
-10°	5145.1	5138.3	5110.6	5058.1	4986.2	4896.4	4788.8	4661.7	4511.7	4338.6	4140.0
-12.5°	5142.2	5128.2	5093.5	5035.1	4959.5	4866.1	4756.2	4625.9	4473.2	4298.2	4096.9
-15°	5137.3	5110.3	5063.9	5000.6	4921.9	4826.7	4715.3	4582.9	4426.9	4249.6	4044.8
-17.5°	5117.3	5081.7	5029.0	4961.2	4876.8	4777.8	4661.4	4525.0	4367.8	4189.0	3982.8
-20°	5087.8	5041.7	4981.7	4909.0	4822.6	4722.3	4600.8	4459.3	4298.5	4114.5	3903.3



REPORT NUMBER: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-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°	5041.7	4988.7	4925.4	4849.8	4757.9	4650.5	4525.9	4383.2	4221.7	4031.7	3814.7
-25°	4981.7	4925.4	4857.7	4775.7	4680.9	4571.4	4441.2	4293.3	4124.9	3933.1	3716.3
-27.5°	4909.0	4849.8	4775.7	4691.1	4592.6	4474.5	4341.9	4193.1	4020.0	3820.1	3602.0
-30°	4822.6	4757.9	4680.9	4592.6	4485.6	4366.5	4232.3	4073.5	3894.9	3696.4	3479.4
-32.5°	4722.3	4650.5	4571.4	4474.5	4366.5	4244.3	4100.6	3940.4	3758.2	3557.2	3338.5
-35°	4600.8	4525.9	4441.2	4341.9	4232.3	4100.6	3955.7	3788.0	3604.4	3406.4	3186.5
-37.5°	4459.3	4383.2	4293.3	4193.1	4073.5	3940.4	3788.0	3620.3	3440.7	3236.7	3015.4
-40°	4298.5	4221.7	4124.9	4020.0	3894.9	3758.2	3604.4	3440.7	3253.6	3051.9	2831.4
-42.5°	4114.5	4031.7	3933.1	3820.1	3696.4	3557.2	3406.4	3236.7	3051.9	2849.4	2621.1
-45°	3903.3	3814.7	3716.3	3602.0	3479.4	3338.5	3186.5	3015.4	2831.4	2621.1	2398.3
-47.5°	3665.7	3576.6	3478.8	3364.3	3238.1	3100.2	2942.9	2776.1	2581.2	2377.7	2158.3
-50°	3407.2	3316.1	3215.9	3103.8	2974.0	2835.6	2676.0	2501.9	2316.1	2117.7	1914.3
-52.5°	3122.1	3029.2	2926.8	2815.4	2683.0	2538.1	2383.9	2214.5	2037.1	1856.2	1670.0
-55°	2806.0	2711.7	2605.4	2489.5	2362.9	2223.0	2074.4	1919.7	1760.2	1593.7	1444.1
-57.5°	2449.2	2359.3	2257.4	2146.3	2026.2	1900.4	1767.8	1627.7	1495.9	1363.3	1230.6
-60°	2074.4	1990.4	1900.4	1802.1	1695.7	1583.0	1478.5	1367.9	1251.6	1156.8	1058.7
-62.5°	1704.7	1631.1	1555.3	1478.5	1395.3	1306.1	1219.6	1141.7	1059.8	975.6	900.8
-65°	1371.8	1314.8	1251.6	1197.5	1139.6	1077.4	1011.0	947.9	886.1	821.2	755.6
-67.5°	1098.0	1058.7	1015.2	970.2	927.1	880.8	831.3	778.8	731.8	685.8	637.8
-70°	873.5	844.6	812.6	777.6	744.5	712.1	677.6	640.8	602.1	567.9	535.5
-72.5°	687.6	667.8	645.8	621.7	595.5	572.5	549.6	525.2	499.5	472.4	445.5
-75°	539.8	526.9	512.7	497.0	480.1	461.8	443.8	425.5	406.1	385.8	364.4
-77.5°	420.2	410.8	400.4	389.0	376.5	363.2	348.8	333.4	316.5	298.8	280.2
-80°	309.0	301.2	292.5	283.0	272.6	261.4	249.5	236.7	223.3	209.8	196.3
-82.5°	195.9	190.6	184.7	178.2	171.2	163.6	155.4	146.8	137.6	128.0	117.9
-85°	95.4	93.0	90.3	87.4	84.1	80.7	76.9	73.0	68.8	64.4	59.8
-87.5°	26.4	26.0	25.5	24.9	24.3	23.7	23.0	22.3	21.5	20.7	19.9
-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: P645398 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-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°	19.0	18.1	17.1	16.1	15.1	14.0	13.0	11.9	10.8	9.6	8.4
85°	54.9	49.9	44.7	39.3	33.7	28.1	25.9	23.7	21.5	19.2	16.9
82.5°	107.3	99.0	91.1	83.1	74.7	66.2	57.4	48.4	39.2	29.9	25.3
80°	182.2	167.5	152.3	136.6	120.5	104.1	92.4	80.4	68.2	55.8	43.2
77.5°	260.8	240.6	219.7	199.8	179.5	158.8	137.5	115.8	97.1	81.6	65.8
75°	342.2	318.1	293.0	267.1	240.4	213.3	187.8	161.8	135.2	108.2	88.3
72.5°	419.5	392.5	364.6	335.6	304.4	272.5	239.8	207.3	176.4	145.0	113.1
70°	501.7	466.6	433.4	400.4	366.5	331.4	294.1	256.0	217.2	181.3	145.0
67.5°	588.0	548.5	507.6	465.5	426.3	387.2	347.2	304.9	261.4	217.2	176.4
65°	699.9	642.1	584.0	537.3	489.2	441.9	397.6	352.4	304.9	256.0	207.3
62.5°	823.2	747.1	681.4	613.9	555.1	501.1	447.1	397.6	347.2	294.1	239.8
60°	961.4	873.5	782.9	705.2	629.7	561.1	501.1	441.9	387.2	331.4	272.5
57.5°	1120.0	1005.7	903.9	803.1	713.1	629.7	555.1	489.2	426.3	366.5	304.4
55°	1289.7	1157.1	1030.3	914.1	803.1	705.2	613.9	537.3	465.5	400.4	335.6
52.5°	1493.1	1322.0	1169.5	1030.3	903.9	782.9	681.4	584.0	507.6	433.4	364.6
50°	1708.4	1509.5	1322.0	1157.1	1005.7	873.5	747.1	642.1	548.5	466.6	392.5
47.5°	1933.8	1708.4	1493.1	1289.7	1120.0	961.4	823.2	699.9	588.0	501.7	419.5
45°	2158.3	1914.3	1670.0	1444.1	1230.6	1058.7	900.8	755.6	637.8	535.5	445.5
42.5°	2377.7	2117.7	1856.2	1593.7	1363.3	1156.8	975.6	821.2	685.8	567.9	472.4
40°	2581.2	2316.1	2037.1	1760.2	1495.9	1251.6	1059.8	886.1	731.8	602.1	499.5
37.5°	2776.1	2501.9	2214.5	1919.7	1627.7	1367.9	1141.7	947.9	778.8	640.8	525.2
35°	2942.9	2676.0	2383.9	2074.4	1767.8	1478.5	1219.6	1011.0	831.3	677.6	549.6
32.5°	3100.2	2835.6	2538.1	2223.0	1900.4	1583.0	1306.1	1077.4	880.8	712.1	572.5
30°	3238.1	2974.0	2683.0	2362.9	2026.2	1695.7	1395.3	1139.6	927.1	744.5	595.5
27.5°	3364.3	3103.8	2815.4	2489.5	2146.3	1802.1	1478.5	1197.5	970.2	777.6	621.7
25°	3478.8	3215.9	2926.8	2605.4	2257.4	1900.4	1555.3	1251.6	1015.2	812.6	645.8
22.5°	3576.6	3316.1	3029.2	2711.7	2359.3	1990.4	1631.1	1314.8	1058.7	844.6	667.8
20°	3665.7	3407.2	3122.1	2806.0	2449.2	2074.4	1704.7	1371.8	1098.0	873.5	687.6
17.5°	3744.5	3484.9	3198.5	2882.1	2527.7	2149.2	1770.3	1422.5	1132.9	899.1	705.2
15°	3809.1	3549.5	3264.2	2948.8	2596.5	2214.5	1827.6	1466.8	1163.4	921.5	720.5
12.5°	3864.4	3604.8	3320.3	3005.7	2655.1	2270.2	1876.4	1504.5	1189.3	940.5	733.5
10°	3910.2	3650.4	3366.6	3052.7	2703.5	2316.1	1916.5	1535.5	1210.6	956.2	744.3
7.5°	3946.1	3686.2	3402.9	3089.4	2741.2	2352.0	1947.9	1559.7	1227.2	968.4	752.6
5°	3971.9	3711.9	3429.0	3115.7	2768.3	2377.7	1970.4	1577.1	1239.1	977.1	758.6
2.5°	3987.4	3727.4	3444.7	3131.6	2784.7	2393.1	1983.9	1587.5	1246.3	982.3	762.2
0°	3992.6	3732.6	3449.9	3136.9	2790.1	2398.3	1988.4	1591.0	1248.7	984.1	763.4
-2.5°	3987.4	3727.4	3444.7	3131.6	2784.7	2393.1	1983.9	1587.5	1246.3	982.3	762.2
-5°	3971.9	3711.9	3429.0	3115.7	2768.3	2377.7	1970.4	1577.1	1239.1	977.1	758.6
-7.5°	3946.1	3686.2	3402.9	3089.4	2741.2	2352.0	1947.9	1559.7	1227.2	968.4	752.6
-10°	3910.2	3650.4	3366.6	3052.7	2703.5	2316.1	1916.5	1535.5	1210.6	956.2	744.3
-12.5°	3864.4	3604.8	3320.3	3005.7	2655.1	2270.2	1876.4	1504.5	1189.3	940.5	733.5
-15°	3809.1	3549.5	3264.2	2948.8	2596.5	2214.5	1827.6	1466.8	1163.4	921.5	720.5
-17.5°	3744.5	3484.9	3198.5	2882.1	2527.7	2149.2	1770.3	1422.5	1132.9	899.1	705.2
-20°	3665.7	3407.2	3122.1	2806.0	2449.2	2074.4	1704.7	1371.8	1098.0	873.5	687.6



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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°	3576.6	3316.1	3029.2	2711.7	2359.3	1990.4	1631.1	1314.8	1058.7	844.6	667.8
-25°	3478.8	3215.9	2926.8	2605.4	2257.4	1900.4	1555.3	1251.6	1015.2	812.6	645.8
-27.5°	3364.3	3103.8	2815.4	2489.5	2146.3	1802.1	1478.5	1197.5	970.2	777.6	621.7
-30°	3238.1	2974.0	2683.0	2362.9	2026.2	1695.7	1395.3	1139.6	927.1	744.5	595.5
-32.5°	3100.2	2835.6	2538.1	2223.0	1900.4	1583.0	1306.1	1077.4	880.8	712.1	572.5
-35°	2942.9	2676.0	2383.9	2074.4	1767.8	1478.5	1219.6	1011.0	831.3	677.6	549.6
-37.5°	2776.1	2501.9	2214.5	1919.7	1627.7	1367.9	1141.7	947.9	778.8	640.8	525.2
-40°	2581.2	2316.1	2037.1	1760.2	1495.9	1251.6	1059.8	886.1	731.8	602.1	499.5
-42.5°	2377.7	2117.7	1856.2	1593.7	1363.3	1156.8	975.6	821.2	685.8	567.9	472.4
-45°	2158.3	1914.3	1670.0	1444.1	1230.6	1058.7	900.8	755.6	637.8	535.5	445.5
-47.5°	1933.8	1708.4	1493.1	1289.7	1120.0	961.4	823.2	699.9	588.0	501.7	419.5
-50°	1708.4	1509.5	1322.0	1157.1	1005.7	873.5	747.1	642.1	548.5	466.6	392.5
-52.5°	1493.1	1322.0	1169.5	1030.3	903.9	782.9	681.4	584.0	507.6	433.4	364.6
-55°	1289.7	1157.1	1030.3	914.1	803.1	705.2	613.9	537.3	465.5	400.4	335.6
-57.5°	1120.0	1005.7	903.9	803.1	713.1	629.7	555.1	489.2	426.3	366.5	304.4
-60°	961.4	873.5	782.9	705.2	629.7	561.1	501.1	441.9	387.2	331.4	272.5
-62.5°	823.2	747.1	681.4	613.9	555.1	501.1	447.1	397.6	347.2	294.1	239.8
-65°	699.9	642.1	584.0	537.3	489.2	441.9	397.6	352.4	304.9	256.0	207.3
-67.5°	588.0	548.5	507.6	465.5	426.3	387.2	347.2	304.9	261.4	217.2	176.4
-70°	501.7	466.6	433.4	400.4	366.5	331.4	294.1	256.0	217.2	181.3	145.0
-72.5°	419.5	392.5	364.6	335.6	304.4	272.5	239.8	207.3	176.4	145.0	113.1
-75°	342.2	318.1	293.0	267.1	240.4	213.3	187.8	161.8	135.2	108.2	88.3
-77.5°	260.8	240.6	219.7	199.8	179.5	158.8	137.5	115.8	97.1	81.6	65.8
-80°	182.2	167.5	152.3	136.6	120.5	104.1	92.4	80.4	68.2	55.8	43.2
-82.5°	107.3	99.0	91.1	83.1	74.7	66.2	57.4	48.4	39.2	29.9	25.3
-85°	54.9	49.9	44.7	39.3	33.7	28.1	25.9	23.7	21.5	19.2	16.9
-87.5°	19.0	18.1	17.1	16.1	15.1	14.0	13.0	11.9	10.8	9.6	8.4
-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°	7.3	6.1	4.9	3.7	2.4	1.2	0.0
85°	14.5	12.1	9.7	7.3	4.9	2.4	0.0
82.5°	21.8	18.2	14.6	11.0	7.3	3.7	0.0
80°	30.4	24.2	19.4	14.6	9.7	4.9	0.0
77.5°	49.9	33.8	24.2	18.2	12.1	6.1	0.0
75°	69.2	49.9	30.4	21.8	14.5	7.3	0.0
72.5°	88.3	65.8	43.2	25.3	16.9	8.4	0.0
70°	108.2	81.6	55.8	29.9	19.2	9.6	0.0
67.5°	135.2	97.1	68.2	39.2	21.5	10.8	0.0
65°	161.8	115.8	80.4	48.4	23.7	11.9	0.0
62.5°	187.8	137.5	92.4	57.4	25.9	13.0	0.0
60°	213.3	158.8	104.1	66.2	28.1	14.0	0.0
57.5°	240.4	179.5	120.5	74.7	33.7	15.1	0.0
55°	267.1	199.8	136.6	83.1	39.3	16.1	0.0
52.5°	293.0	219.7	152.3	91.1	44.7	17.1	0.0
50°	318.1	240.6	167.5	99.0	49.9	18.1	0.0
47.5°	342.2	260.8	182.2	107.3	54.9	19.0	0.0
45°	364.4	280.2	196.3	117.9	59.8	19.9	0.0
42.5°	385.8	298.8	209.8	128.0	64.4	20.7	0.0
40°	406.1	316.5	223.3	137.6	68.8	21.5	0.0
37.5°	425.5	333.4	236.7	146.8	73.0	22.3	0.0
35°	443.8	348.8	249.5	155.4	76.9	23.0	0.0
32.5°	461.8	363.2	261.4	163.6	80.7	23.7	0.0
30°	480.1	376.5	272.6	171.2	84.1	24.3	0.0
27.5°	497.0	389.0	283.0	178.2	87.4	24.9	0.0
25°	512.7	400.4	292.5	184.7	90.3	25.5	0.0
22.5°	526.9	410.8	301.2	190.6	93.0	26.0	0.0
20°	539.8	420.2	309.0	195.9	95.4	26.4	0.0
17.5°	551.2	428.5	316.0	200.6	97.6	26.8	0.0
15°	561.1	435.7	322.0	204.7	99.5	27.1	0.0
12.5°	569.6	441.9	327.2	208.2	101.1	27.4	0.0
10°	576.5	447.0	331.4	211.1	102.4	27.7	0.0
7.5°	581.9	450.9	334.7	213.3	103.4	27.9	0.0
5°	585.8	453.7	337.0	214.9	104.1	28.0	0.0
2.5°	588.1	455.4	338.4	215.9	104.6	28.1	0.0
0°	588.9	456.0	338.9	216.2	104.7	28.1	0.0
-2.5°	588.1	455.4	338.4	215.9	104.6	28.1	0.0
-5°	585.8	453.7	337.0	214.9	104.1	28.0	0.0
-7.5°	581.9	450.9	334.7	213.3	103.4	27.9	0.0
-10°	576.5	447.0	331.4	211.1	102.4	27.7	0.0
-12.5°	569.6	441.9	327.2	208.2	101.1	27.4	0.0
-15°	561.1	435.7	322.0	204.7	99.5	27.1	0.0
-17.5°	551.2	428.5	316.0	200.6	97.6	26.8	0.0
-20°	539.8	420.2	309.0	195.9	95.4	26.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	526.9	410.8	301.2	190.6	93.0	26.0	0.0
-25°	512.7	400.4	292.5	184.7	90.3	25.5	0.0
-27.5°	497.0	389.0	283.0	178.2	87.4	24.9	0.0
-30°	480.1	376.5	272.6	171.2	84.1	24.3	0.0
-32.5°	461.8	363.2	261.4	163.6	80.7	23.7	0.0
-35°	443.8	348.8	249.5	155.4	76.9	23.0	0.0
-37.5°	425.5	333.4	236.7	146.8	73.0	22.3	0.0
-40°	406.1	316.5	223.3	137.6	68.8	21.5	0.0
-42.5°	385.8	298.8	209.8	128.0	64.4	20.7	0.0
-45°	364.4	280.2	196.3	117.9	59.8	19.9	0.0
-47.5°	342.2	260.8	182.2	107.3	54.9	19.0	0.0
-50°	318.1	240.6	167.5	99.0	49.9	18.1	0.0
-52.5°	293.0	219.7	152.3	91.1	44.7	17.1	0.0
-55°	267.1	199.8	136.6	83.1	39.3	16.1	0.0
-57.5°	240.4	179.5	120.5	74.7	33.7	15.1	0.0
-60°	213.3	158.8	104.1	66.2	28.1	14.0	0.0
-62.5°	187.8	137.5	92.4	57.4	25.9	13.0	0.0
-65°	161.8	115.8	80.4	48.4	23.7	11.9	0.0
-67.5°	135.2	97.1	68.2	39.2	21.5	10.8	0.0
-70°	108.2	81.6	55.8	29.9	19.2	9.6	0.0
-72.5°	88.3	65.8	43.2	25.3	16.9	8.4	0.0
-75°	69.2	49.9	30.4	21.8	14.5	7.3	0.0
-77.5°	49.9	33.8	24.2	18.2	12.1	6.1	0.0
-80°	30.4	24.2	19.4	14.6	9.7	4.9	0.0
-82.5°	21.8	18.2	14.6	11.0	7.3	3.7	0.0
-85°	14.5	12.1	9.7	7.3	4.9	2.4	0.0
-87.5°	7.3	6.1	4.9	3.7	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)