

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645452 (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: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4B-722-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14838.3 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

Beam Angle (50%): 117.8°H x 112°V
Beam Lumens: 12348.7 lumens
Beam Efficiency: 83.2%

Field Angle (10%): 152.8°H x 150.5°V
Field Lumens: 14546.4 lumens
Field Efficiency: 98.0%

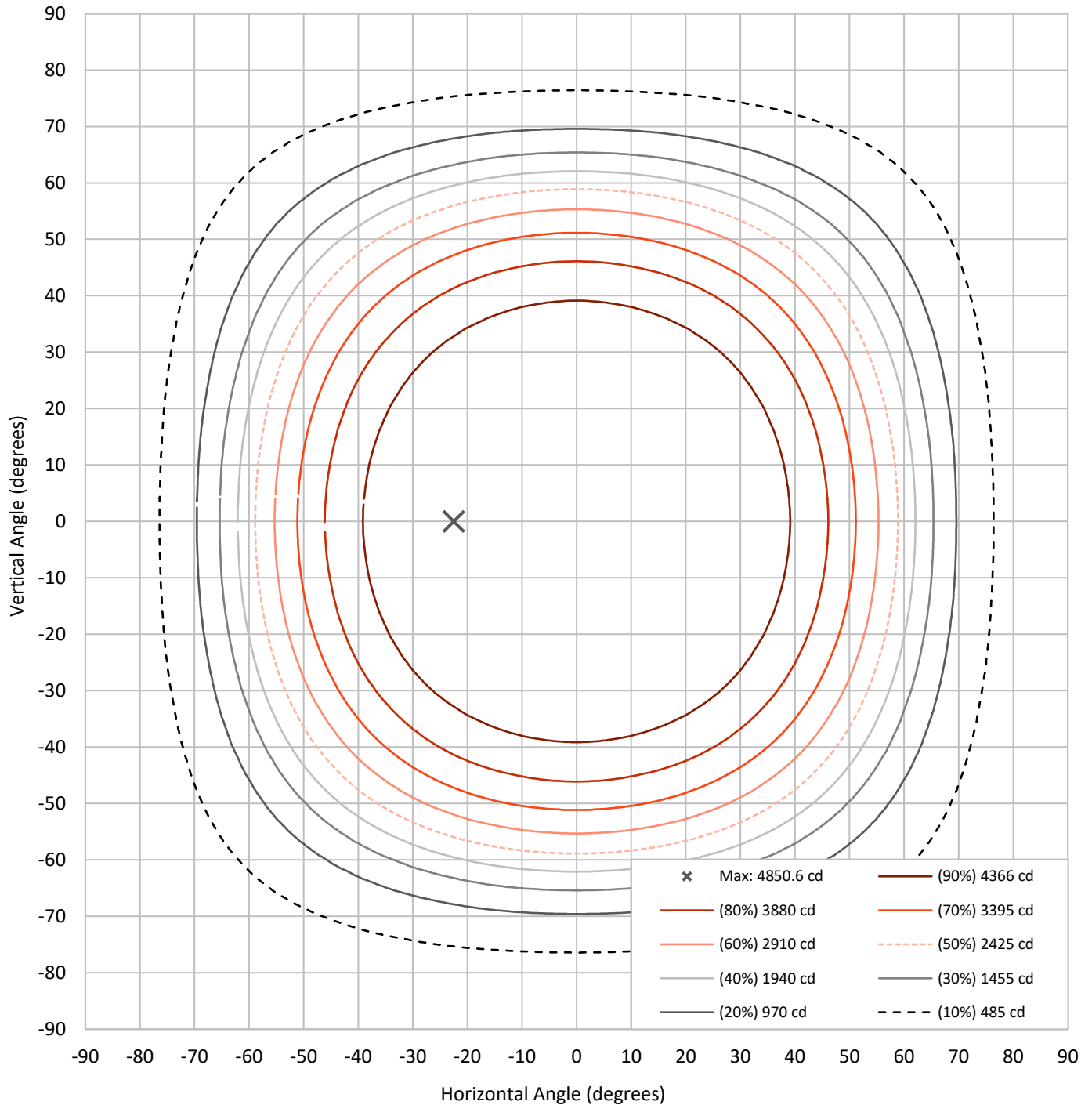
NEMA Type: 7H x 7V
Max Intensity: 4850.6 candela
Max Intensity Angle: -22.5°H x 0°V

Input Watts (W): 129.5
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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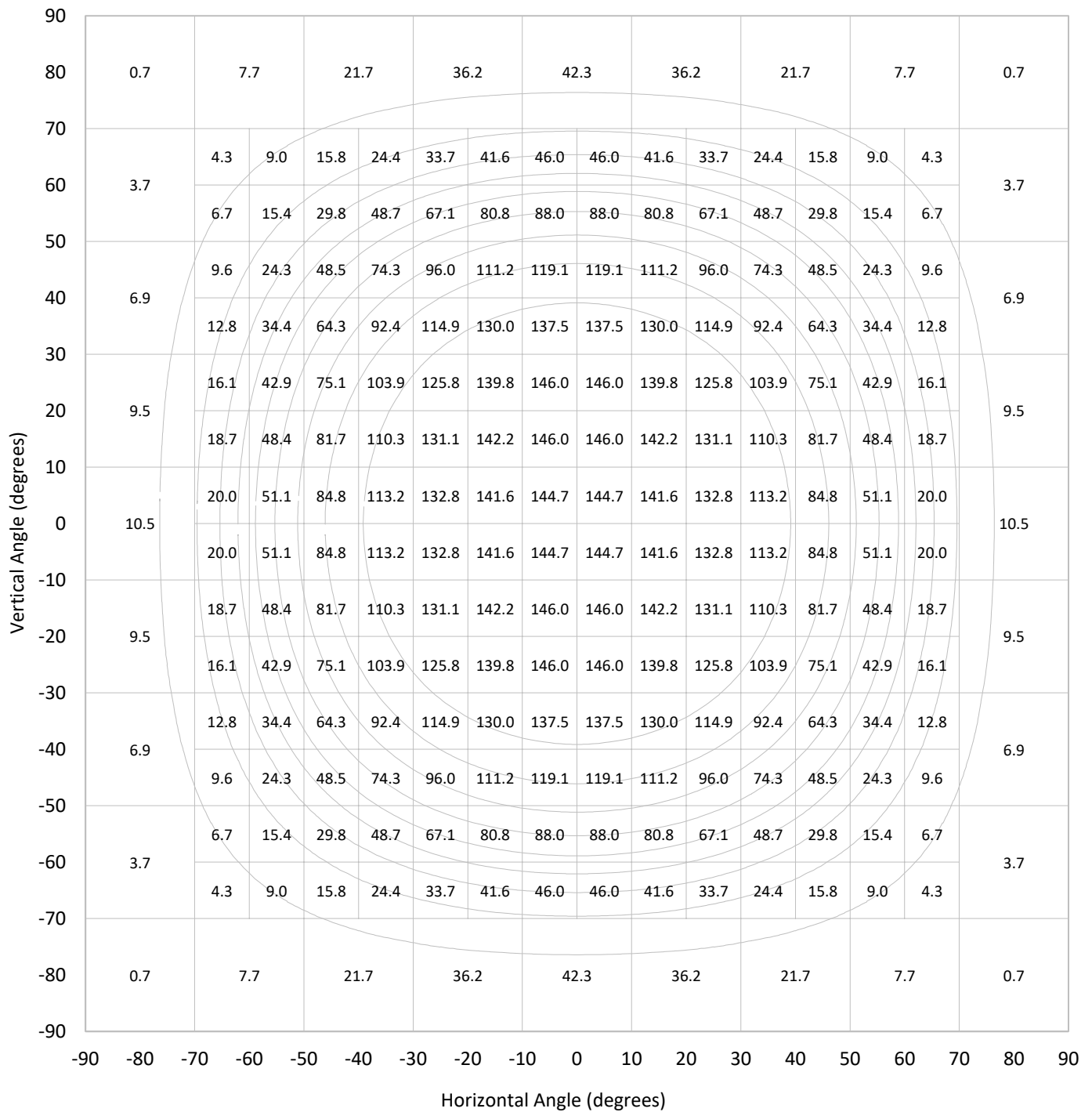
Iso-Candela Plot





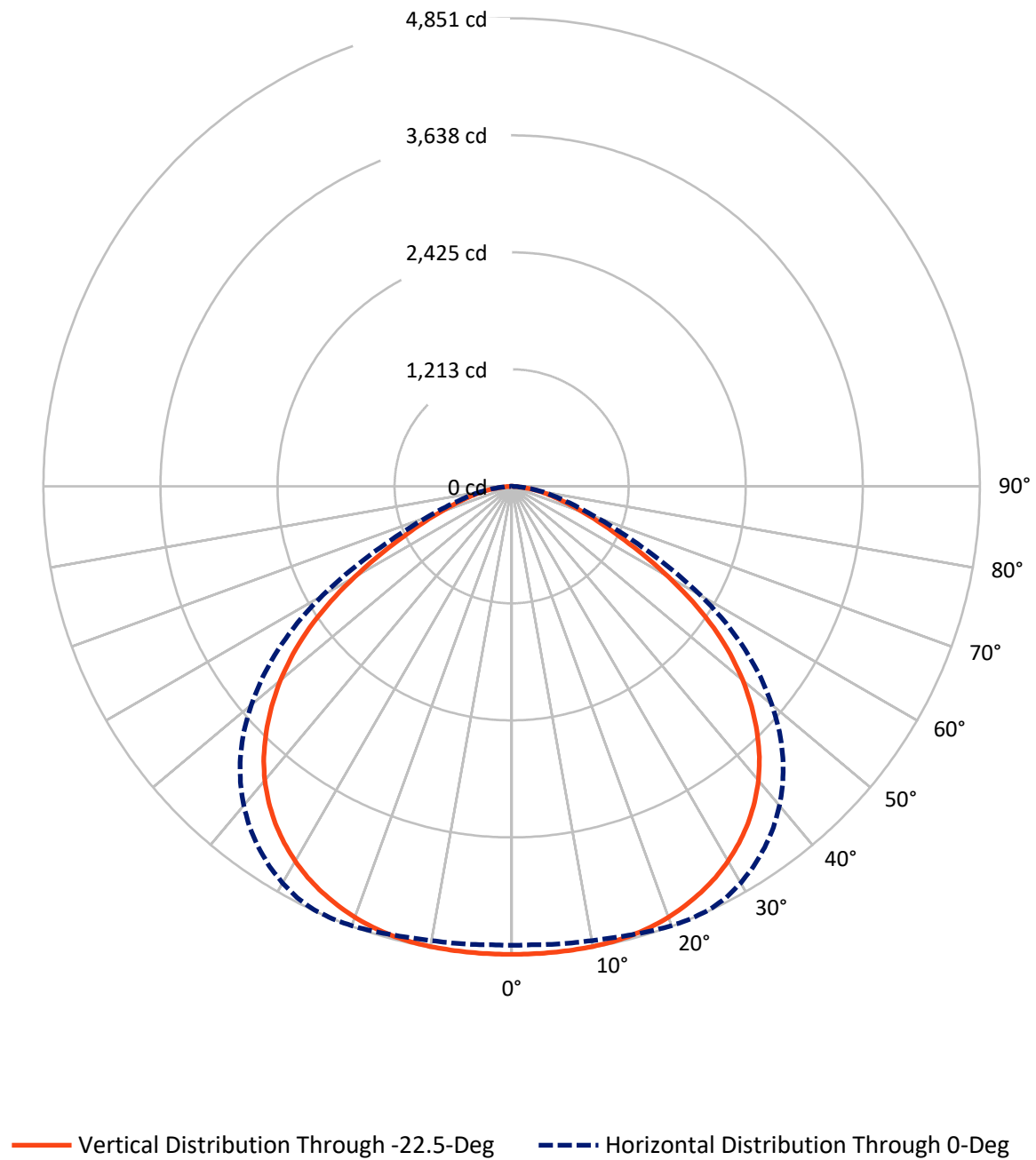
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Lumen Table



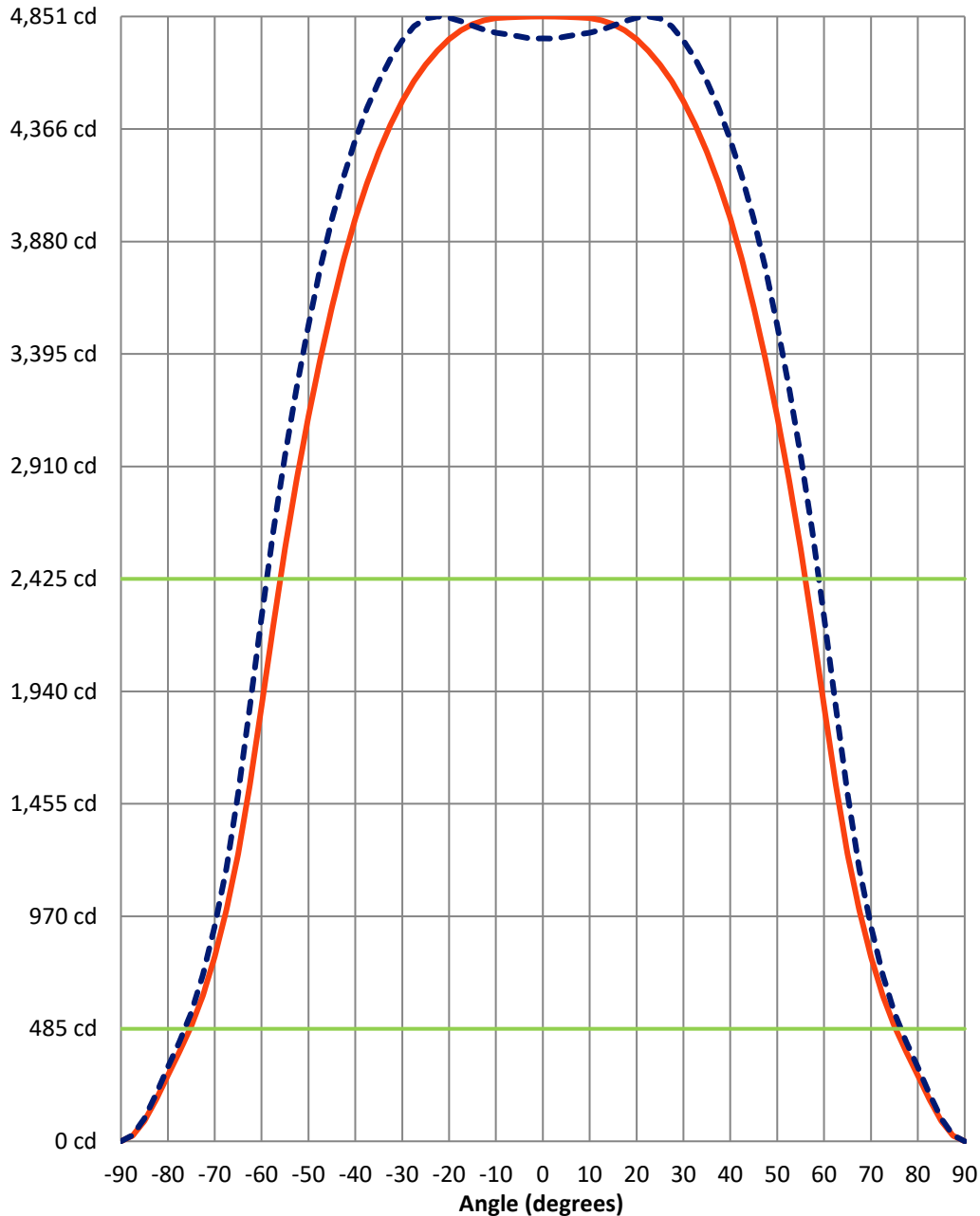
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 12348.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 14546.4
 Efficiency: 98.0%

Spill:
 Lumens: 291.8
 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	2.3	3.5	4.6	5.7	6.9	8.0	9.1	10.1	11.2
85°	0.0	2.3	4.6	6.9	9.2	11.5	13.7	15.9	18.1	20.3	22.4
82.5°	0.0	3.5	6.9	10.3	13.8	17.2	20.5	23.8	28.2	37.0	45.6
80°	0.0	4.6	9.2	13.8	18.3	22.8	28.7	40.7	52.6	64.3	75.8
77.5°	0.0	5.7	11.5	17.2	22.8	31.8	47.0	62.1	76.9	91.5	109.1
75°	0.0	6.9	13.7	20.5	28.7	47.0	65.2	83.2	102.0	127.5	152.5
72.5°	0.0	8.0	15.9	23.8	40.7	62.1	83.2	106.6	136.7	166.3	195.4
70°	0.0	9.1	18.1	28.2	52.6	76.9	102.0	136.7	170.9	204.8	241.3
67.5°	0.0	10.1	20.3	37.0	64.3	91.5	127.5	166.3	204.8	246.4	287.4
65°	0.0	11.2	22.4	45.6	75.8	109.1	152.5	195.4	241.3	287.4	332.2
62.5°	0.0	12.2	24.4	54.1	87.1	129.6	177.1	226.1	277.2	327.4	374.8
60°	0.0	13.2	26.5	62.4	98.1	149.7	201.1	256.9	312.4	365.0	416.6
57.5°	0.0	14.2	31.8	70.4	113.6	169.3	226.6	287.0	345.5	401.9	461.2
55°	0.0	15.2	37.1	78.3	128.8	188.3	251.8	316.3	377.5	438.9	506.4
52.5°	0.0	16.1	42.1	85.9	143.6	207.1	276.2	343.7	408.6	478.6	550.5
50°	0.0	17.0	47.0	93.3	157.9	226.8	299.9	370.1	439.9	517.0	605.3
47.5°	0.0	17.9	51.8	101.2	171.7	245.8	322.6	395.5	473.0	554.3	659.7
45°	0.0	18.7	56.3	111.1	185.0	264.1	343.6	420.0	504.8	601.2	712.2
42.5°	0.0	19.5	60.7	120.7	197.7	281.7	363.7	445.4	535.3	646.4	774.1
40°	0.0	20.3	64.9	129.7	210.5	298.4	382.9	470.9	567.5	689.8	835.3
37.5°	0.0	21.0	68.8	138.4	223.2	314.3	401.2	495.1	604.1	734.1	893.6
35°	0.0	21.7	72.5	146.5	235.2	328.9	418.4	518.0	638.7	783.6	953.1
32.5°	0.0	22.3	76.0	154.2	246.4	342.4	435.3	539.6	671.3	830.3	1015.6
30°	0.0	22.9	79.3	161.4	257.0	355.0	452.6	561.3	701.8	874.0	1074.2
27.5°	0.0	23.5	82.3	168.0	266.8	366.7	468.6	586.0	733.0	914.6	1128.8
25°	0.0	24.0	85.1	174.1	275.8	377.5	483.3	608.7	766.0	957.0	1179.8
22.5°	0.0	24.5	87.7	179.7	284.0	387.3	496.7	629.4	796.2	998.0	1239.4
20°	0.0	24.9	90.0	184.7	291.3	396.1	508.8	648.1	823.4	1035.0	1293.1
17.5°	0.0	25.3	92.0	189.1	297.9	404.0	519.6	664.7	847.6	1067.9	1341.0
15°	0.0	25.6	93.8	193.0	303.6	410.8	528.9	679.2	868.7	1096.7	1382.7
12.5°	0.0	25.9	95.3	196.3	308.4	416.6	536.9	691.5	886.6	1121.1	1418.3
10°	0.0	26.1	96.5	199.0	312.4	421.4	543.4	701.6	901.4	1141.2	1447.5
7.5°	0.0	26.3	97.5	201.1	315.5	425.1	548.5	709.4	912.9	1156.9	1470.3
5°	0.0	26.4	98.1	202.6	317.7	427.8	552.2	715.1	921.1	1168.1	1486.7
2.5°	0.0	26.5	98.6	203.5	319.1	429.4	554.4	718.5	926.0	1174.8	1496.5
0°	0.0	26.5	98.7	203.8	319.5	429.9	555.1	719.6	927.7	1177.1	1499.8
-2.5°	0.0	26.5	98.6	203.5	319.1	429.4	554.4	718.5	926.0	1174.8	1496.5
-5°	0.0	26.4	98.1	202.6	317.7	427.8	552.2	715.1	921.1	1168.1	1486.7
-7.5°	0.0	26.3	97.5	201.1	315.5	425.1	548.5	709.4	912.9	1156.9	1470.3
-10°	0.0	26.1	96.5	199.0	312.4	421.4	543.4	701.6	901.4	1141.2	1447.5
-12.5°	0.0	25.9	95.3	196.3	308.4	416.6	536.9	691.5	886.6	1121.1	1418.3
-15°	0.0	25.6	93.8	193.0	303.6	410.8	528.9	679.2	868.7	1096.7	1382.7
-17.5°	0.0	25.3	92.0	189.1	297.9	404.0	519.6	664.7	847.6	1067.9	1341.0
-20°	0.0	24.9	90.0	184.7	291.3	396.1	508.8	648.1	823.4	1035.0	1293.1

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CATALOG NUMBER: GFLD-SA4B-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.5	87.7	179.7	284.0	387.3	496.7	629.4	796.2	998.0	1239.4
-25°	0.0	24.0	85.1	174.1	275.8	377.5	483.3	608.7	766.0	957.0	1179.8
-27.5°	0.0	23.5	82.3	168.0	266.8	366.7	468.6	586.0	733.0	914.6	1128.8
-30°	0.0	22.9	79.3	161.4	257.0	355.0	452.6	561.3	701.8	874.0	1074.2
-32.5°	0.0	22.3	76.0	154.2	246.4	342.4	435.3	539.6	671.3	830.3	1015.6
-35°	0.0	21.7	72.5	146.5	235.2	328.9	418.4	518.0	638.7	783.6	953.1
-37.5°	0.0	21.0	68.8	138.4	223.2	314.3	401.2	495.1	604.1	734.1	893.6
-40°	0.0	20.3	64.9	129.7	210.5	298.4	382.9	470.9	567.5	689.8	835.3
-42.5°	0.0	19.5	60.7	120.7	197.7	281.7	363.7	445.4	535.3	646.4	774.1
-45°	0.0	18.7	56.3	111.1	185.0	264.1	343.6	420.0	504.8	601.2	712.2
-47.5°	0.0	17.9	51.8	101.2	171.7	245.8	322.6	395.5	473.0	554.3	659.7
-50°	0.0	17.0	47.0	93.3	157.9	226.8	299.9	370.1	439.9	517.0	605.3
-52.5°	0.0	16.1	42.1	85.9	143.6	207.1	276.2	343.7	408.6	478.6	550.5
-55°	0.0	15.2	37.1	78.3	128.8	188.3	251.8	316.3	377.5	438.9	506.4
-57.5°	0.0	14.2	31.8	70.4	113.6	169.3	226.6	287.0	345.5	401.9	461.2
-60°	0.0	13.2	26.5	62.4	98.1	149.7	201.1	256.9	312.4	365.0	416.6
-62.5°	0.0	12.2	24.4	54.1	87.1	129.6	177.1	226.1	277.2	327.4	374.8
-65°	0.0	11.2	22.4	45.6	75.8	109.1	152.5	195.4	241.3	287.4	332.2
-67.5°	0.0	10.1	20.3	37.0	64.3	91.5	127.5	166.3	204.8	246.4	287.4
-70°	0.0	9.1	18.1	28.2	52.6	76.9	102.0	136.7	170.9	204.8	241.3
-72.5°	0.0	8.0	15.9	23.8	40.7	62.1	83.2	106.6	136.7	166.3	195.4
-75°	0.0	6.9	13.7	20.5	28.7	47.0	65.2	83.2	102.0	127.5	152.5
-77.5°	0.0	5.7	11.5	17.2	22.8	31.8	47.0	62.1	76.9	91.5	109.1
-80°	0.0	4.6	9.2	13.8	18.3	22.8	28.7	40.7	52.6	64.3	75.8
-82.5°	0.0	3.5	6.9	10.3	13.8	17.2	20.5	23.8	28.2	37.0	45.6
-85°	0.0	2.3	4.6	6.9	9.2	11.5	13.7	15.9	18.1	20.3	22.4
-87.5°	0.0	1.2	2.3	3.5	4.6	5.7	6.9	8.0	9.1	10.1	11.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-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°	12.2	13.2	14.2	15.2	16.1	17.0	17.9	18.7	19.5	20.3	21.0
85°	24.4	26.5	31.8	37.1	42.1	47.0	51.8	56.3	60.7	64.9	68.8
82.5°	54.1	62.4	70.4	78.3	85.9	93.3	101.2	111.1	120.7	129.7	138.4
80°	87.1	98.1	113.6	128.8	143.6	157.9	171.7	185.0	197.7	210.5	223.2
77.5°	129.6	149.7	169.3	188.3	207.1	226.8	245.8	264.1	281.7	298.4	314.3
75°	177.1	201.1	226.6	251.8	276.2	299.9	322.6	343.6	363.7	382.9	401.2
72.5°	226.1	256.9	287.0	316.3	343.7	370.1	395.5	420.0	445.4	470.9	495.1
70°	277.2	312.4	345.5	377.5	408.6	439.9	473.0	504.8	535.3	567.5	604.1
67.5°	327.4	365.0	401.9	438.9	478.6	517.0	554.3	601.2	646.4	689.8	734.1
65°	374.8	416.6	461.2	506.4	550.5	605.3	659.7	712.2	774.1	835.3	893.6
62.5°	421.5	472.4	523.3	578.7	642.3	704.2	775.9	849.2	919.7	999.0	1076.3
60°	472.4	528.9	593.5	664.7	738.0	823.4	906.3	998.0	1090.5	1179.8	1289.5
57.5°	523.3	593.5	672.2	757.0	852.1	948.1	1055.8	1160.1	1285.1	1410.1	1534.4
55°	578.7	664.7	757.0	861.7	971.3	1090.8	1215.7	1361.4	1502.3	1659.3	1809.7
52.5°	642.3	738.0	852.1	971.3	1102.5	1246.2	1407.5	1574.2	1749.8	1920.3	2087.6
50°	704.2	823.4	948.1	1090.8	1246.2	1422.9	1610.4	1804.6	1996.3	2183.3	2358.4
47.5°	775.9	906.3	1055.8	1215.7	1407.5	1610.4	1822.9	2034.6	2241.4	2433.2	2616.9
45°	849.2	998.0	1160.1	1361.4	1574.2	1804.6	2034.6	2260.8	2470.8	2669.0	2842.5
42.5°	919.7	1090.5	1285.1	1502.3	1749.8	1996.3	2241.4	2470.8	2686.0	2877.0	3051.2
40°	999.0	1179.8	1410.1	1659.3	1920.3	2183.3	2433.2	2669.0	2877.0	3067.1	3243.4
37.5°	1076.3	1289.5	1534.4	1809.7	2087.6	2358.4	2616.9	2842.5	3051.2	3243.4	3412.6
35°	1149.7	1393.7	1666.4	1955.4	2247.2	2522.6	2774.2	3003.9	3211.1	3397.7	3570.7
32.5°	1231.2	1492.3	1791.4	2095.5	2392.6	2673.0	2922.5	3147.1	3353.2	3542.7	3714.5
30°	1315.4	1598.5	1910.0	2227.4	2529.2	2803.5	3052.5	3279.9	3484.4	3671.6	3840.0
27.5°	1393.7	1698.8	2023.2	2346.7	2653.9	2925.9	3171.5	3395.4	3601.1	3789.5	3952.7
25°	1466.1	1791.4	2128.0	2456.0	2759.0	3031.6	3279.3	3503.1	3707.6	3888.5	4047.1
22.5°	1537.6	1876.3	2224.0	2556.2	2855.5	3126.0	3371.5	3595.9	3800.6	3979.7	4132.0
20°	1607.0	1955.4	2308.7	2645.1	2943.1	3211.8	3455.5	3679.5	3878.6	4052.1	4203.6
17.5°	1668.8	2025.9	2382.8	2716.9	3015.1	3285.1	3529.8	3754.5	3948.9	4117.4	4265.5
15°	1722.8	2087.6	2447.6	2779.7	3077.0	3346.0	3590.7	3812.9	4006.0	4173.1	4320.1
12.5°	1768.8	2140.1	2502.9	2833.4	3130.0	3398.1	3642.8	3862.0	4051.8	4216.8	4360.7
10°	1806.6	2183.3	2548.4	2877.7	3173.6	3441.1	3686.0	3902.6	4089.8	4253.0	4394.4
7.5°	1836.2	2217.1	2584.1	2912.3	3207.8	3474.8	3719.8	3934.6	4119.7	4281.6	4421.0
5°	1857.4	2241.4	2609.6	2937.2	3232.4	3499.0	3744.1	3957.5	4141.3	4302.2	4440.3
2.5°	1870.1	2255.9	2625.0	2952.1	3247.2	3513.6	3758.8	3971.4	4154.3	4314.6	4451.9
0°	1874.4	2260.8	2630.1	2957.1	3252.1	3518.5	3763.7	3976.0	4158.6	4318.8	4455.8
-2.5°	1870.1	2255.9	2625.0	2952.1	3247.2	3513.6	3758.8	3971.4	4154.3	4314.6	4451.9
-5°	1857.4	2241.4	2609.6	2937.2	3232.4	3499.0	3744.1	3957.5	4141.3	4302.2	4440.3
-7.5°	1836.2	2217.1	2584.1	2912.3	3207.8	3474.8	3719.8	3934.6	4119.7	4281.6	4421.0
-10°	1806.6	2183.3	2548.4	2877.7	3173.6	3441.1	3686.0	3902.6	4089.8	4253.0	4394.4
-12.5°	1768.8	2140.1	2502.9	2833.4	3130.0	3398.1	3642.8	3862.0	4051.8	4216.8	4360.7
-15°	1722.8	2087.6	2447.6	2779.7	3077.0	3346.0	3590.7	3812.9	4006.0	4173.1	4320.1
-17.5°	1668.8	2025.9	2382.8	2716.9	3015.1	3285.1	3529.8	3754.5	3948.9	4117.4	4265.5
-20°	1607.0	1955.4	2308.7	2645.1	2943.1	3211.8	3455.5	3679.5	3878.6	4052.1	4203.6



REPORT NUMBER: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-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°	1537.6	1876.3	2224.0	2556.2	2855.5	3126.0	3371.5	3595.9	3800.6	3979.7	4132.0
-25°	1466.1	1791.4	2128.0	2456.0	2759.0	3031.6	3279.3	3503.1	3707.6	3888.5	4047.1
-27.5°	1393.7	1698.8	2023.2	2346.7	2653.9	2925.9	3171.5	3395.4	3601.1	3789.5	3952.7
-30°	1315.4	1598.5	1910.0	2227.4	2529.2	2803.5	3052.5	3279.9	3484.4	3671.6	3840.0
-32.5°	1231.2	1492.3	1791.4	2095.5	2392.6	2673.0	2922.5	3147.1	3353.2	3542.7	3714.5
-35°	1149.7	1393.7	1666.4	1955.4	2247.2	2522.6	2774.2	3003.9	3211.1	3397.7	3570.7
-37.5°	1076.3	1289.5	1534.4	1809.7	2087.6	2358.4	2616.9	2842.5	3051.2	3243.4	3412.6
-40°	999.0	1179.8	1410.1	1659.3	1920.3	2183.3	2433.2	2669.0	2877.0	3067.1	3243.4
-42.5°	919.7	1090.5	1285.1	1502.3	1749.8	1996.3	2241.4	2470.8	2686.0	2877.0	3051.2
-45°	849.2	998.0	1160.1	1361.4	1574.2	1804.6	2034.6	2260.8	2470.8	2669.0	2842.5
-47.5°	775.9	906.3	1055.8	1215.7	1407.5	1610.4	1822.9	2034.6	2241.4	2433.2	2616.9
-50°	704.2	823.4	948.1	1090.8	1246.2	1422.9	1610.4	1804.6	1996.3	2183.3	2358.4
-52.5°	642.3	738.0	852.1	971.3	1102.5	1246.2	1407.5	1574.2	1749.8	1920.3	2087.6
-55°	578.7	664.7	757.0	861.7	971.3	1090.8	1215.7	1361.4	1502.3	1659.3	1809.7
-57.5°	523.3	593.5	672.2	757.0	852.1	948.1	1055.8	1160.1	1285.1	1410.1	1534.4
-60°	472.4	528.9	593.5	664.7	738.0	823.4	906.3	998.0	1090.5	1179.8	1289.5
-62.5°	421.5	472.4	523.3	578.7	642.3	704.2	775.9	849.2	919.7	999.0	1076.3
-65°	374.8	416.6	461.2	506.4	550.5	605.3	659.7	712.2	774.1	835.3	893.6
-67.5°	327.4	365.0	401.9	438.9	478.6	517.0	554.3	601.2	646.4	689.8	734.1
-70°	277.2	312.4	345.5	377.5	408.6	439.9	473.0	504.8	535.3	567.5	604.1
-72.5°	226.1	256.9	287.0	316.3	343.7	370.1	395.5	420.0	445.4	470.9	495.1
-75°	177.1	201.1	226.6	251.8	276.2	299.9	322.6	343.6	363.7	382.9	401.2
-77.5°	129.6	149.7	169.3	188.3	207.1	226.8	245.8	264.1	281.7	298.4	314.3
-80°	87.1	98.1	113.6	128.8	143.6	157.9	171.7	185.0	197.7	210.5	223.2
-82.5°	54.1	62.4	70.4	78.3	85.9	93.3	101.2	111.1	120.7	129.7	138.4
-85°	24.4	26.5	31.8	37.1	42.1	47.0	51.8	56.3	60.7	64.9	68.8
-87.5°	12.2	13.2	14.2	15.2	16.1	17.0	17.9	18.7	19.5	20.3	21.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-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°	21.7	22.3	22.9	23.5	24.0	24.5	24.9	25.3	25.6	25.9	26.1
85°	72.5	76.0	79.3	82.3	85.1	87.7	90.0	92.0	93.8	95.3	96.5
82.5°	146.5	154.2	161.4	168.0	174.1	179.7	184.7	189.1	193.0	196.3	199.0
80°	235.2	246.4	257.0	266.8	275.8	284.0	291.3	297.9	303.6	308.4	312.4
77.5°	328.9	342.4	355.0	366.7	377.5	387.3	396.1	404.0	410.8	416.6	421.4
75°	418.4	435.3	452.6	468.6	483.3	496.7	508.8	519.6	528.9	536.9	543.4
72.5°	518.0	539.6	561.3	586.0	608.7	629.4	648.1	664.7	679.2	691.5	701.6
70°	638.7	671.3	701.8	733.0	766.0	796.2	823.4	847.6	868.7	886.6	901.4
67.5°	783.6	830.3	874.0	914.6	957.0	998.0	1035.0	1067.9	1096.7	1121.1	1141.2
65°	953.1	1015.6	1074.2	1128.8	1179.8	1239.4	1293.1	1341.0	1382.7	1418.3	1447.5
62.5°	1149.7	1231.2	1315.4	1393.7	1466.1	1537.6	1607.0	1668.8	1722.8	1768.8	1806.6
60°	1393.7	1492.3	1598.5	1698.8	1791.4	1876.3	1955.4	2025.9	2087.6	2140.1	2183.3
57.5°	1666.4	1791.4	1910.0	2023.2	2128.0	2224.0	2308.7	2382.8	2447.6	2502.9	2548.4
55°	1955.4	2095.5	2227.4	2346.7	2456.0	2556.2	2645.1	2716.9	2779.7	2833.4	2877.7
52.5°	2247.2	2392.6	2529.2	2653.9	2759.0	2855.5	2943.1	3015.1	3077.0	3130.0	3173.6
50°	2522.6	2673.0	2803.5	2925.9	3031.6	3126.0	3211.8	3285.1	3346.0	3398.1	3441.1
47.5°	2774.2	2922.5	3052.5	3171.5	3279.3	3371.5	3455.5	3529.8	3590.7	3642.8	3686.0
45°	3003.9	3147.1	3279.9	3395.4	3503.1	3595.9	3679.5	3754.5	3812.9	3862.0	3902.6
42.5°	3211.1	3353.2	3484.4	3601.1	3707.6	3800.6	3878.6	3948.9	4006.0	4051.8	4089.8
40°	3397.7	3542.7	3671.6	3789.5	3888.5	3979.7	4052.1	4117.4	4173.1	4216.8	4253.0
37.5°	3570.7	3714.5	3840.0	3952.7	4047.1	4132.0	4203.6	4265.5	4320.1	4360.7	4394.4
35°	3728.9	3865.5	3989.6	4093.0	4186.6	4266.4	4337.0	4394.1	4444.9	4483.5	4514.3
32.5°	3865.5	4000.9	4116.2	4217.9	4309.3	4383.8	4451.6	4503.8	4549.9	4587.1	4615.6
30°	3989.6	4116.2	4228.5	4329.2	4412.5	4485.1	4546.0	4597.1	4639.7	4675.1	4700.2
27.5°	4093.0	4217.9	4329.2	4422.2	4501.9	4571.7	4627.5	4676.6	4713.8	4746.5	4768.1
25°	4186.6	4309.3	4412.5	4501.9	4579.2	4642.9	4696.0	4740.6	4773.5	4801.5	4817.5
22.5°	4266.4	4383.8	4485.1	4571.7	4642.9	4702.6	4752.6	4790.3	4817.3	4834.2	4843.7
20°	4337.0	4451.6	4546.0	4627.5	4696.0	4752.6	4796.0	4823.9	4842.7	4847.4	4850.1
17.5°	4394.1	4503.8	4597.1	4676.6	4740.6	4790.3	4823.9	4843.6	4849.3	4848.2	4845.5
15°	4444.9	4549.9	4639.7	4713.8	4773.5	4817.3	4842.7	4849.3	4847.6	4841.9	4833.2
12.5°	4483.5	4587.1	4675.1	4746.5	4801.5	4834.2	4847.4	4848.2	4841.9	4831.0	4818.6
10°	4514.3	4615.6	4700.2	4768.1	4817.5	4843.7	4850.1	4845.5	4833.2	4818.6	4804.9
7.5°	4538.6	4638.3	4720.2	4785.3	4828.1	4846.7	4848.1	4839.3	4824.5	4808.0	4793.2
5°	4556.2	4654.7	4734.8	4797.9	4835.8	4848.8	4846.6	4834.4	4817.4	4800.1	4786.5
2.5°	4566.8	4664.7	4743.6	4805.5	4840.5	4850.2	4845.6	4831.4	4812.8	4795.1	4782.1
0°	4570.4	4668.0	4746.6	4808.1	4842.1	4850.6	4845.3	4830.4	4811.3	4793.3	4780.5
-2.5°	4566.8	4664.7	4743.6	4805.5	4840.5	4850.2	4845.6	4831.4	4812.8	4795.1	4782.1
-5°	4556.2	4654.7	4734.8	4797.9	4835.8	4848.8	4846.6	4834.4	4817.4	4800.1	4786.5
-7.5°	4538.6	4638.3	4720.2	4785.3	4828.1	4846.7	4848.1	4839.3	4824.5	4808.0	4793.2
-10°	4514.3	4615.6	4700.2	4768.1	4817.5	4843.7	4850.1	4845.5	4833.2	4818.6	4804.9
-12.5°	4483.5	4587.1	4675.1	4746.5	4801.5	4834.2	4847.4	4848.2	4841.9	4831.0	4818.6
-15°	4444.9	4549.9	4639.7	4713.8	4773.5	4817.3	4842.7	4849.3	4847.6	4841.9	4833.2
-17.5°	4394.1	4503.8	4597.1	4676.6	4740.6	4790.3	4823.9	4843.6	4849.3	4848.2	4845.5
-20°	4337.0	4451.6	4546.0	4627.5	4696.0	4752.6	4796.0	4823.9	4842.7	4847.4	4850.1



REPORT NUMBER: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4266.4	4383.8	4485.1	4571.7	4642.9	4702.6	4752.6	4790.3	4817.3	4834.2	4843.7
-25°	4186.6	4309.3	4412.5	4501.9	4579.2	4642.9	4696.0	4740.6	4773.5	4801.5	4817.5
-27.5°	4093.0	4217.9	4329.2	4422.2	4501.9	4571.7	4627.5	4676.6	4713.8	4746.5	4768.1
-30°	3989.6	4116.2	4228.5	4329.2	4412.5	4485.1	4546.0	4597.1	4639.7	4675.1	4700.2
-32.5°	3865.5	4000.9	4116.2	4217.9	4309.3	4383.8	4451.6	4503.8	4549.9	4587.1	4615.6
-35°	3728.9	3865.5	3989.6	4093.0	4186.6	4266.4	4337.0	4394.1	4444.9	4483.5	4514.3
-37.5°	3570.7	3714.5	3840.0	3952.7	4047.1	4132.0	4203.6	4265.5	4320.1	4360.7	4394.4
-40°	3397.7	3542.7	3671.6	3789.5	3888.5	3979.7	4052.1	4117.4	4173.1	4216.8	4253.0
-42.5°	3211.1	3353.2	3484.4	3601.1	3707.6	3800.6	3878.6	3948.9	4006.0	4051.8	4089.8
-45°	3003.9	3147.1	3279.9	3395.4	3503.1	3595.9	3679.5	3754.5	3812.9	3862.0	3902.6
-47.5°	2774.2	2922.5	3052.5	3171.5	3279.3	3371.5	3455.5	3529.8	3590.7	3642.8	3686.0
-50°	2522.6	2673.0	2803.5	2925.9	3031.6	3126.0	3211.8	3285.1	3346.0	3398.1	3441.1
-52.5°	2247.2	2392.6	2529.2	2653.9	2759.0	2855.5	2943.1	3015.1	3077.0	3130.0	3173.6
-55°	1955.4	2095.5	2227.4	2346.7	2456.0	2556.2	2645.1	2716.9	2779.7	2833.4	2877.7
-57.5°	1666.4	1791.4	1910.0	2023.2	2128.0	2224.0	2308.7	2382.8	2447.6	2502.9	2548.4
-60°	1393.7	1492.3	1598.5	1698.8	1791.4	1876.3	1955.4	2025.9	2087.6	2140.1	2183.3
-62.5°	1149.7	1231.2	1315.4	1393.7	1466.1	1537.6	1607.0	1668.8	1722.8	1768.8	1806.6
-65°	953.1	1015.6	1074.2	1128.8	1179.8	1239.4	1293.1	1341.0	1382.7	1418.3	1447.5
-67.5°	783.6	830.3	874.0	914.6	957.0	998.0	1035.0	1067.9	1096.7	1121.1	1141.2
-70°	638.7	671.3	701.8	733.0	766.0	796.2	823.4	847.6	868.7	886.6	901.4
-72.5°	518.0	539.6	561.3	586.0	608.7	629.4	648.1	664.7	679.2	691.5	701.6
-75°	418.4	435.3	452.6	468.6	483.3	496.7	508.8	519.6	528.9	536.9	543.4
-77.5°	328.9	342.4	355.0	366.7	377.5	387.3	396.1	404.0	410.8	416.6	421.4
-80°	235.2	246.4	257.0	266.8	275.8	284.0	291.3	297.9	303.6	308.4	312.4
-82.5°	146.5	154.2	161.4	168.0	174.1	179.7	184.7	189.1	193.0	196.3	199.0
-85°	72.5	76.0	79.3	82.3	85.1	87.7	90.0	92.0	93.8	95.3	96.5
-87.5°	21.7	22.3	22.9	23.5	24.0	24.5	24.9	25.3	25.6	25.9	26.1
-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: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-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°	26.3	26.4	26.5	26.5	26.5	26.4	26.3	26.1	25.9	25.6	25.3
85°	97.5	98.1	98.6	98.7	98.6	98.1	97.5	96.5	95.3	93.8	92.0
82.5°	201.1	202.6	203.5	203.8	203.5	202.6	201.1	199.0	196.3	193.0	189.1
80°	315.5	317.7	319.1	319.5	319.1	317.7	315.5	312.4	308.4	303.6	297.9
77.5°	425.1	427.8	429.4	429.9	429.4	427.8	425.1	421.4	416.6	410.8	404.0
75°	548.5	552.2	554.4	555.1	554.4	552.2	548.5	543.4	536.9	528.9	519.6
72.5°	709.4	715.1	718.5	719.6	718.5	715.1	709.4	701.6	691.5	679.2	664.7
70°	912.9	921.1	926.0	927.7	926.0	921.1	912.9	901.4	886.6	868.7	847.6
67.5°	1156.9	1168.1	1174.8	1177.1	1174.8	1168.1	1156.9	1141.2	1121.1	1096.7	1067.9
65°	1470.3	1486.7	1496.5	1499.8	1496.5	1486.7	1470.3	1447.5	1418.3	1382.7	1341.0
62.5°	1836.2	1857.4	1870.1	1874.4	1870.1	1857.4	1836.2	1806.6	1768.8	1722.8	1668.8
60°	2217.1	2241.4	2255.9	2260.8	2255.9	2241.4	2217.1	2183.3	2140.1	2087.6	2025.9
57.5°	2584.1	2609.6	2625.0	2630.1	2625.0	2609.6	2584.1	2548.4	2502.9	2447.6	2382.8
55°	2912.3	2937.2	2952.1	2957.1	2952.1	2937.2	2912.3	2877.7	2833.4	2779.7	2716.9
52.5°	3207.8	3232.4	3247.2	3252.1	3247.2	3232.4	3207.8	3173.6	3130.0	3077.0	3015.1
50°	3474.8	3499.0	3513.6	3518.5	3513.6	3499.0	3474.8	3441.1	3398.1	3346.0	3285.1
47.5°	3719.8	3744.1	3758.8	3763.7	3758.8	3744.1	3719.8	3686.0	3642.8	3590.7	3529.8
45°	3934.6	3957.5	3971.4	3976.0	3971.4	3957.5	3934.6	3902.6	3862.0	3812.9	3754.5
42.5°	4119.7	4141.3	4154.3	4158.6	4154.3	4141.3	4119.7	4089.8	4051.8	4006.0	3948.9
40°	4281.6	4302.2	4314.6	4318.8	4314.6	4302.2	4281.6	4253.0	4216.8	4173.1	4117.4
37.5°	4421.0	4440.3	4451.9	4455.8	4451.9	4440.3	4421.0	4394.4	4360.7	4320.1	4265.5
35°	4538.6	4556.2	4566.8	4570.4	4566.8	4556.2	4538.6	4514.3	4483.5	4444.9	4394.1
32.5°	4638.3	4654.7	4664.7	4668.0	4664.7	4654.7	4638.3	4615.6	4587.1	4549.9	4503.8
30°	4720.2	4734.8	4743.6	4746.6	4743.6	4734.8	4720.2	4700.2	4675.1	4639.7	4597.1
27.5°	4785.3	4797.9	4805.5	4808.1	4805.5	4797.9	4785.3	4768.1	4746.5	4713.8	4676.6
25°	4828.1	4835.8	4840.5	4842.1	4840.5	4835.8	4828.1	4817.5	4801.5	4773.5	4740.6
22.5°	4846.7	4848.8	4850.2	4850.6	4850.2	4848.8	4846.7	4843.7	4834.2	4817.3	4790.3
20°	4848.1	4846.6	4845.6	4845.3	4845.6	4846.6	4848.1	4850.1	4847.4	4842.7	4823.9
17.5°	4839.3	4834.4	4831.4	4830.4	4831.4	4834.4	4839.3	4845.5	4848.2	4849.3	4843.6
15°	4824.5	4817.4	4812.8	4811.3	4812.8	4817.4	4824.5	4833.2	4841.9	4847.6	4849.3
12.5°	4808.0	4800.1	4795.1	4793.3	4795.1	4800.1	4808.0	4818.6	4831.0	4841.9	4848.2
10°	4793.2	4786.5	4782.1	4780.5	4782.1	4786.5	4793.2	4804.9	4818.6	4833.2	4845.5
7.5°	4783.5	4777.6	4774.3	4773.1	4774.3	4777.6	4783.5	4793.2	4808.0	4824.5	4839.3
5°	4777.6	4771.6	4766.6	4764.6	4766.6	4771.6	4777.6	4786.5	4800.1	4817.4	4834.4
2.5°	4774.3	4766.6	4759.0	4755.1	4759.0	4766.6	4774.3	4782.1	4795.1	4812.8	4831.4
0°	4773.1	4764.6	4755.1	4756.1	4755.1	4764.6	4773.1	4780.5	4793.3	4811.3	4830.4
-2.5°	4774.3	4766.6	4759.0	4755.1	4759.0	4766.6	4774.3	4782.1	4795.1	4812.8	4831.4
-5°	4777.6	4771.6	4766.6	4764.6	4766.6	4771.6	4777.6	4786.5	4800.1	4817.4	4834.4
-7.5°	4783.5	4777.6	4774.3	4773.1	4774.3	4777.6	4783.5	4793.2	4808.0	4824.5	4839.3
-10°	4793.2	4786.5	4782.1	4780.5	4782.1	4786.5	4793.2	4804.9	4818.6	4833.2	4845.5
-12.5°	4808.0	4800.1	4795.1	4793.3	4795.1	4800.1	4808.0	4818.6	4831.0	4841.9	4848.2
-15°	4824.5	4817.4	4812.8	4811.3	4812.8	4817.4	4824.5	4833.2	4841.9	4847.6	4849.3
-17.5°	4839.3	4834.4	4831.4	4830.4	4831.4	4834.4	4839.3	4845.5	4848.2	4849.3	4843.6
-20°	4848.1	4846.6	4845.6	4845.3	4845.6	4846.6	4848.1	4850.1	4847.4	4842.7	4823.9



REPORT NUMBER: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-722-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°	4846.7	4848.8	4850.2	4850.6	4850.2	4848.8	4846.7	4843.7	4834.2	4817.3	4790.3
-25°	4828.1	4835.8	4840.5	4842.1	4840.5	4835.8	4828.1	4817.5	4801.5	4773.5	4740.6
-27.5°	4785.3	4797.9	4805.5	4808.1	4805.5	4797.9	4785.3	4768.1	4746.5	4713.8	4676.6
-30°	4720.2	4734.8	4743.6	4746.6	4743.6	4734.8	4720.2	4700.2	4675.1	4639.7	4597.1
-32.5°	4638.3	4654.7	4664.7	4668.0	4664.7	4654.7	4638.3	4615.6	4587.1	4549.9	4503.8
-35°	4538.6	4556.2	4566.8	4570.4	4566.8	4556.2	4538.6	4514.3	4483.5	4444.9	4394.1
-37.5°	4421.0	4440.3	4451.9	4455.8	4451.9	4440.3	4421.0	4394.4	4360.7	4320.1	4265.5
-40°	4281.6	4302.2	4314.6	4318.8	4314.6	4302.2	4281.6	4253.0	4216.8	4173.1	4117.4
-42.5°	4119.7	4141.3	4154.3	4158.6	4154.3	4141.3	4119.7	4089.8	4051.8	4006.0	3948.9
-45°	3934.6	3957.5	3971.4	3976.0	3971.4	3957.5	3934.6	3902.6	3862.0	3812.9	3754.5
-47.5°	3719.8	3744.1	3758.8	3763.7	3758.8	3744.1	3719.8	3686.0	3642.8	3590.7	3529.8
-50°	3474.8	3499.0	3513.6	3518.5	3513.6	3499.0	3474.8	3441.1	3398.1	3346.0	3285.1
-52.5°	3207.8	3232.4	3247.2	3252.1	3247.2	3232.4	3207.8	3173.6	3130.0	3077.0	3015.1
-55°	2912.3	2937.2	2952.1	2957.1	2952.1	2937.2	2912.3	2877.7	2833.4	2779.7	2716.9
-57.5°	2584.1	2609.6	2625.0	2630.1	2625.0	2609.6	2584.1	2548.4	2502.9	2447.6	2382.8
-60°	2217.1	2241.4	2255.9	2260.8	2255.9	2241.4	2217.1	2183.3	2140.1	2087.6	2025.9
-62.5°	1836.2	1857.4	1870.1	1874.4	1870.1	1857.4	1836.2	1806.6	1768.8	1722.8	1668.8
-65°	1470.3	1486.7	1496.5	1499.8	1496.5	1486.7	1470.3	1447.5	1418.3	1382.7	1341.0
-67.5°	1156.9	1168.1	1174.8	1177.1	1174.8	1168.1	1156.9	1141.2	1121.1	1096.7	1067.9
-70°	912.9	921.1	926.0	927.7	926.0	921.1	912.9	901.4	886.6	868.7	847.6
-72.5°	709.4	715.1	718.5	719.6	718.5	715.1	709.4	701.6	691.5	679.2	664.7
-75°	548.5	552.2	554.4	555.1	554.4	552.2	548.5	543.4	536.9	528.9	519.6
-77.5°	425.1	427.8	429.4	429.9	429.4	427.8	425.1	421.4	416.6	410.8	404.0
-80°	315.5	317.7	319.1	319.5	319.1	317.7	315.5	312.4	308.4	303.6	297.9
-82.5°	201.1	202.6	203.5	203.8	203.5	202.6	201.1	199.0	196.3	193.0	189.1
-85°	97.5	98.1	98.6	98.7	98.6	98.1	97.5	96.5	95.3	93.8	92.0
-87.5°	26.3	26.4	26.5	26.5	26.5	26.4	26.3	26.1	25.9	25.6	25.3
-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: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-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°	24.9	24.5	24.0	23.5	22.9	22.3	21.7	21.0	20.3	19.5	18.7
85°	90.0	87.7	85.1	82.3	79.3	76.0	72.5	68.8	64.9	60.7	56.3
82.5°	184.7	179.7	174.1	168.0	161.4	154.2	146.5	138.4	129.7	120.7	111.1
80°	291.3	284.0	275.8	266.8	257.0	246.4	235.2	223.2	210.5	197.7	185.0
77.5°	396.1	387.3	377.5	366.7	355.0	342.4	328.9	314.3	298.4	281.7	264.1
75°	508.8	496.7	483.3	468.6	452.6	435.3	418.4	401.2	382.9	363.7	343.6
72.5°	648.1	629.4	608.7	586.0	561.3	539.6	518.0	495.1	470.9	445.4	420.0
70°	823.4	796.2	766.0	733.0	701.8	671.3	638.7	604.1	567.5	535.3	504.8
67.5°	1035.0	998.0	957.0	914.6	874.0	830.3	783.6	734.1	689.8	646.4	601.2
65°	1293.1	1239.4	1179.8	1128.8	1074.2	1015.6	953.1	893.6	835.3	774.1	712.2
62.5°	1607.0	1537.6	1466.1	1393.7	1315.4	1231.2	1149.7	1076.3	999.0	919.7	849.2
60°	1955.4	1876.3	1791.4	1698.8	1598.5	1492.3	1393.7	1289.5	1179.8	1090.5	998.0
57.5°	2308.7	2224.0	2128.0	2023.2	1910.0	1791.4	1666.4	1534.4	1410.1	1285.1	1160.1
55°	2645.1	2556.2	2456.0	2346.7	2227.4	2095.5	1955.4	1809.7	1659.3	1502.3	1361.4
52.5°	2943.1	2855.5	2759.0	2653.9	2529.2	2392.6	2247.2	2087.6	1920.3	1749.8	1574.2
50°	3211.8	3126.0	3031.6	2925.9	2803.5	2673.0	2522.6	2358.4	2183.3	1996.3	1804.6
47.5°	3455.5	3371.5	3279.3	3171.5	3052.5	2922.5	2774.2	2616.9	2433.2	2241.4	2034.6
45°	3679.5	3595.9	3503.1	3395.4	3279.9	3147.1	3003.9	2842.5	2669.0	2470.8	2260.8
42.5°	3878.6	3800.6	3707.6	3601.1	3484.4	3353.2	3211.1	3051.2	2877.0	2686.0	2470.8
40°	4052.1	3979.7	3888.5	3789.5	3671.6	3542.7	3397.7	3243.4	3067.1	2877.0	2669.0
37.5°	4203.6	4132.0	4047.1	3952.7	3840.0	3714.5	3570.7	3412.6	3243.4	3051.2	2842.5
35°	4337.0	4266.4	4186.6	4093.0	3989.6	3865.5	3728.9	3570.7	3397.7	3211.1	3003.9
32.5°	4451.6	4383.8	4309.3	4217.9	4116.2	4000.9	3865.5	3714.5	3542.7	3353.2	3147.1
30°	4546.0	4485.1	4412.5	4329.2	4228.5	4116.2	3989.6	3840.0	3671.6	3484.4	3279.9
27.5°	4627.5	4571.7	4501.9	4422.2	4329.2	4217.9	4093.0	3952.7	3789.5	3601.1	3395.4
25°	4696.0	4642.9	4579.2	4501.9	4412.5	4309.3	4186.6	4047.1	3888.5	3707.6	3503.1
22.5°	4752.6	4702.6	4642.9	4571.7	4485.1	4383.8	4266.4	4132.0	3979.7	3800.6	3595.9
20°	4796.0	4752.6	4696.0	4627.5	4546.0	4451.6	4337.0	4203.6	4052.1	3878.6	3679.5
17.5°	4823.9	4790.3	4740.6	4676.6	4597.1	4503.8	4394.1	4265.5	4117.4	3948.9	3754.5
15°	4842.7	4817.3	4773.5	4713.8	4639.7	4549.9	4444.9	4320.1	4173.1	4006.0	3812.9
12.5°	4847.4	4834.2	4801.5	4746.5	4675.1	4587.1	4483.5	4360.7	4216.8	4051.8	3862.0
10°	4850.1	4843.7	4817.5	4768.1	4700.2	4615.6	4514.3	4394.4	4253.0	4089.8	3902.6
7.5°	4848.1	4846.7	4828.1	4785.3	4720.2	4638.3	4538.6	4421.0	4281.6	4119.7	3934.6
5°	4846.6	4848.8	4835.8	4797.9	4734.8	4654.7	4556.2	4440.3	4302.2	4141.3	3957.5
2.5°	4845.6	4850.2	4840.5	4805.5	4743.6	4664.7	4566.8	4451.9	4314.6	4154.3	3971.4
0°	4845.3	4850.6	4842.1	4808.1	4746.6	4668.0	4570.4	4455.8	4318.8	4158.6	3976.0
-2.5°	4845.6	4850.2	4840.5	4805.5	4743.6	4664.7	4566.8	4451.9	4314.6	4154.3	3971.4
-5°	4846.6	4848.8	4835.8	4797.9	4734.8	4654.7	4556.2	4440.3	4302.2	4141.3	3957.5
-7.5°	4848.1	4846.7	4828.1	4785.3	4720.2	4638.3	4538.6	4421.0	4281.6	4119.7	3934.6
-10°	4850.1	4843.7	4817.5	4768.1	4700.2	4615.6	4514.3	4394.4	4253.0	4089.8	3902.6
-12.5°	4847.4	4834.2	4801.5	4746.5	4675.1	4587.1	4483.5	4360.7	4216.8	4051.8	3862.0
-15°	4842.7	4817.3	4773.5	4713.8	4639.7	4549.9	4444.9	4320.1	4173.1	4006.0	3812.9
-17.5°	4823.9	4790.3	4740.6	4676.6	4597.1	4503.8	4394.1	4265.5	4117.4	3948.9	3754.5
-20°	4796.0	4752.6	4696.0	4627.5	4546.0	4451.6	4337.0	4203.6	4052.1	3878.6	3679.5



REPORT NUMBER: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4752.6	4702.6	4642.9	4571.7	4485.1	4383.8	4266.4	4132.0	3979.7	3800.6	3595.9
-25°	4696.0	4642.9	4579.2	4501.9	4412.5	4309.3	4186.6	4047.1	3888.5	3707.6	3503.1
-27.5°	4627.5	4571.7	4501.9	4422.2	4329.2	4217.9	4093.0	3952.7	3789.5	3601.1	3395.4
-30°	4546.0	4485.1	4412.5	4329.2	4228.5	4116.2	3989.6	3840.0	3671.6	3484.4	3279.9
-32.5°	4451.6	4383.8	4309.3	4217.9	4116.2	4000.9	3865.5	3714.5	3542.7	3353.2	3147.1
-35°	4337.0	4266.4	4186.6	4093.0	3989.6	3865.5	3728.9	3570.7	3397.7	3211.1	3003.9
-37.5°	4203.6	4132.0	4047.1	3952.7	3840.0	3714.5	3570.7	3412.6	3243.4	3051.2	2842.5
-40°	4052.1	3979.7	3888.5	3789.5	3671.6	3542.7	3397.7	3243.4	3067.1	2877.0	2669.0
-42.5°	3878.6	3800.6	3707.6	3601.1	3484.4	3353.2	3211.1	3051.2	2877.0	2686.0	2470.8
-45°	3679.5	3595.9	3503.1	3395.4	3279.9	3147.1	3003.9	2842.5	2669.0	2470.8	2260.8
-47.5°	3455.5	3371.5	3279.3	3171.5	3052.5	2922.5	2774.2	2616.9	2433.2	2241.4	2034.6
-50°	3211.8	3126.0	3031.6	2925.9	2803.5	2673.0	2522.6	2358.4	2183.3	1996.3	1804.6
-52.5°	2943.1	2855.5	2759.0	2653.9	2529.2	2392.6	2247.2	2087.6	1920.3	1749.8	1574.2
-55°	2645.1	2556.2	2456.0	2346.7	2227.4	2095.5	1955.4	1809.7	1659.3	1502.3	1361.4
-57.5°	2308.7	2224.0	2128.0	2023.2	1910.0	1791.4	1666.4	1534.4	1410.1	1285.1	1160.1
-60°	1955.4	1876.3	1791.4	1698.8	1598.5	1492.3	1393.7	1289.5	1179.8	1090.5	998.0
-62.5°	1607.0	1537.6	1466.1	1393.7	1315.4	1231.2	1149.7	1076.3	999.0	919.7	849.2
-65°	1293.1	1239.4	1179.8	1128.8	1074.2	1015.6	953.1	893.6	835.3	774.1	712.2
-67.5°	1035.0	998.0	957.0	914.6	874.0	830.3	783.6	734.1	689.8	646.4	601.2
-70°	823.4	796.2	766.0	733.0	701.8	671.3	638.7	604.1	567.5	535.3	504.8
-72.5°	648.1	629.4	608.7	586.0	561.3	539.6	518.0	495.1	470.9	445.4	420.0
-75°	508.8	496.7	483.3	468.6	452.6	435.3	418.4	401.2	382.9	363.7	343.6
-77.5°	396.1	387.3	377.5	366.7	355.0	342.4	328.9	314.3	298.4	281.7	264.1
-80°	291.3	284.0	275.8	266.8	257.0	246.4	235.2	223.2	210.5	197.7	185.0
-82.5°	184.7	179.7	174.1	168.0	161.4	154.2	146.5	138.4	129.7	120.7	111.1
-85°	90.0	87.7	85.1	82.3	79.3	76.0	72.5	68.8	64.9	60.7	56.3
-87.5°	24.9	24.5	24.0	23.5	22.9	22.3	21.7	21.0	20.3	19.5	18.7
-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: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-722-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°	17.9	17.0	16.1	15.2	14.2	13.2	12.2	11.2	10.1	9.1	8.0
85°	51.8	47.0	42.1	37.1	31.8	26.5	24.4	22.4	20.3	18.1	15.9
82.5°	101.2	93.3	85.9	78.3	70.4	62.4	54.1	45.6	37.0	28.2	23.8
80°	171.7	157.9	143.6	128.8	113.6	98.1	87.1	75.8	64.3	52.6	40.7
77.5°	245.8	226.8	207.1	188.3	169.3	149.7	129.6	109.1	91.5	76.9	62.1
75°	322.6	299.9	276.2	251.8	226.6	201.1	177.1	152.5	127.5	102.0	83.2
72.5°	395.5	370.1	343.7	316.3	287.0	256.9	226.1	195.4	166.3	136.7	106.6
70°	473.0	439.9	408.6	377.5	345.5	312.4	277.2	241.3	204.8	170.9	136.7
67.5°	554.3	517.0	478.6	438.9	401.9	365.0	327.4	287.4	246.4	204.8	166.3
65°	659.7	605.3	550.5	506.4	461.2	416.6	374.8	332.2	287.4	241.3	195.4
62.5°	775.9	704.2	642.3	578.7	523.3	472.4	421.5	374.8	327.4	277.2	226.1
60°	906.3	823.4	738.0	664.7	593.5	528.9	472.4	416.6	365.0	312.4	256.9
57.5°	1055.8	948.1	852.1	757.0	672.2	593.5	523.3	461.2	401.9	345.5	287.0
55°	1215.7	1090.8	971.3	861.7	757.0	664.7	578.7	506.4	438.9	377.5	316.3
52.5°	1407.5	1246.2	1102.5	971.3	852.1	738.0	642.3	550.5	478.6	408.6	343.7
50°	1610.4	1422.9	1246.2	1090.8	948.1	823.4	704.2	605.3	517.0	439.9	370.1
47.5°	1822.9	1610.4	1407.5	1215.7	1055.8	906.3	775.9	659.7	554.3	473.0	395.5
45°	2034.6	1804.6	1574.2	1361.4	1160.1	998.0	849.2	712.2	601.2	504.8	420.0
42.5°	2241.4	1996.3	1749.8	1502.3	1285.1	1090.5	919.7	774.1	646.4	535.3	445.4
40°	2433.2	2183.3	1920.3	1659.3	1410.1	1179.8	999.0	835.3	689.8	567.5	470.9
37.5°	2616.9	2358.4	2087.6	1809.7	1534.4	1289.5	1076.3	893.6	734.1	604.1	495.1
35°	2774.2	2522.6	2247.2	1955.4	1666.4	1393.7	1149.7	953.1	783.6	638.7	518.0
32.5°	2922.5	2673.0	2392.6	2095.5	1791.4	1492.3	1231.2	1015.6	830.3	671.3	539.6
30°	3052.5	2803.5	2529.2	2227.4	1910.0	1598.5	1315.4	1074.2	874.0	701.8	561.3
27.5°	3171.5	2925.9	2653.9	2346.7	2023.2	1698.8	1393.7	1128.8	914.6	733.0	586.0
25°	3279.3	3031.6	2759.0	2456.0	2128.0	1791.4	1466.1	1179.8	957.0	766.0	608.7
22.5°	3371.5	3126.0	2855.5	2556.2	2224.0	1876.3	1537.6	1239.4	998.0	796.2	629.4
20°	3455.5	3211.8	2943.1	2645.1	2308.7	1955.4	1607.0	1293.1	1035.0	823.4	648.1
17.5°	3529.8	3285.1	3015.1	2716.9	2382.8	2025.9	1668.8	1341.0	1067.9	847.6	664.7
15°	3590.7	3346.0	3077.0	2779.7	2447.6	2087.6	1722.8	1382.7	1096.7	868.7	679.2
12.5°	3642.8	3398.1	3130.0	2833.4	2502.9	2140.1	1768.8	1418.3	1121.1	886.6	691.5
10°	3686.0	3441.1	3173.6	2877.7	2548.4	2183.3	1806.6	1447.5	1141.2	901.4	701.6
7.5°	3719.8	3474.8	3207.8	2912.3	2584.1	2217.1	1836.2	1470.3	1156.9	912.9	709.4
5°	3744.1	3499.0	3232.4	2937.2	2609.6	2241.4	1857.4	1486.7	1168.1	921.1	715.1
2.5°	3758.8	3513.6	3247.2	2952.1	2625.0	2255.9	1870.1	1496.5	1174.8	926.0	718.5
0°	3763.7	3518.5	3252.1	2957.1	2630.1	2260.8	1874.4	1499.8	1177.1	927.7	719.6
-2.5°	3758.8	3513.6	3247.2	2952.1	2625.0	2255.9	1870.1	1496.5	1174.8	926.0	718.5
-5°	3744.1	3499.0	3232.4	2937.2	2609.6	2241.4	1857.4	1486.7	1168.1	921.1	715.1
-7.5°	3719.8	3474.8	3207.8	2912.3	2584.1	2217.1	1836.2	1470.3	1156.9	912.9	709.4
-10°	3686.0	3441.1	3173.6	2877.7	2548.4	2183.3	1806.6	1447.5	1141.2	901.4	701.6
-12.5°	3642.8	3398.1	3130.0	2833.4	2502.9	2140.1	1768.8	1418.3	1121.1	886.6	691.5
-15°	3590.7	3346.0	3077.0	2779.7	2447.6	2087.6	1722.8	1382.7	1096.7	868.7	679.2
-17.5°	3529.8	3285.1	3015.1	2716.9	2382.8	2025.9	1668.8	1341.0	1067.9	847.6	664.7
-20°	3455.5	3211.8	2943.1	2645.1	2308.7	1955.4	1607.0	1293.1	1035.0	823.4	648.1



REPORT NUMBER: P645452 (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°	3371.5	3126.0	2855.5	2556.2	2224.0	1876.3	1537.6	1239.4	998.0	796.2	629.4
-25°	3279.3	3031.6	2759.0	2456.0	2128.0	1791.4	1466.1	1179.8	957.0	766.0	608.7
-27.5°	3171.5	2925.9	2653.9	2346.7	2023.2	1698.8	1393.7	1128.8	914.6	733.0	586.0
-30°	3052.5	2803.5	2529.2	2227.4	1910.0	1598.5	1315.4	1074.2	874.0	701.8	561.3
-32.5°	2922.5	2673.0	2392.6	2095.5	1791.4	1492.3	1231.2	1015.6	830.3	671.3	539.6
-35°	2774.2	2522.6	2247.2	1955.4	1666.4	1393.7	1149.7	953.1	783.6	638.7	518.0
-37.5°	2616.9	2358.4	2087.6	1809.7	1534.4	1289.5	1076.3	893.6	734.1	604.1	495.1
-40°	2433.2	2183.3	1920.3	1659.3	1410.1	1179.8	999.0	835.3	689.8	567.5	470.9
-42.5°	2241.4	1996.3	1749.8	1502.3	1285.1	1090.5	919.7	774.1	646.4	535.3	445.4
-45°	2034.6	1804.6	1574.2	1361.4	1160.1	998.0	849.2	712.2	601.2	504.8	420.0
-47.5°	1822.9	1610.4	1407.5	1215.7	1055.8	906.3	775.9	659.7	554.3	473.0	395.5
-50°	1610.4	1422.9	1246.2	1090.8	948.1	823.4	704.2	605.3	517.0	439.9	370.1
-52.5°	1407.5	1246.2	1102.5	971.3	852.1	738.0	642.3	550.5	478.6	408.6	343.7
-55°	1215.7	1090.8	971.3	861.7	757.0	664.7	578.7	506.4	438.9	377.5	316.3
-57.5°	1055.8	948.1	852.1	757.0	672.2	593.5	523.3	461.2	401.9	345.5	287.0
-60°	906.3	823.4	738.0	664.7	593.5	528.9	472.4	416.6	365.0	312.4	256.9
-62.5°	775.9	704.2	642.3	578.7	523.3	472.4	421.5	374.8	327.4	277.2	226.1
-65°	659.7	605.3	550.5	506.4	461.2	416.6	374.8	332.2	287.4	241.3	195.4
-67.5°	554.3	517.0	478.6	438.9	401.9	365.0	327.4	287.4	246.4	204.8	166.3
-70°	473.0	439.9	408.6	377.5	345.5	312.4	277.2	241.3	204.8	170.9	136.7
-72.5°	395.5	370.1	343.7	316.3	287.0	256.9	226.1	195.4	166.3	136.7	106.6
-75°	322.6	299.9	276.2	251.8	226.6	201.1	177.1	152.5	127.5	102.0	83.2
-77.5°	245.8	226.8	207.1	188.3	169.3	149.7	129.6	109.1	91.5	76.9	62.1
-80°	171.7	157.9	143.6	128.8	113.6	98.1	87.1	75.8	64.3	52.6	40.7
-82.5°	101.2	93.3	85.9	78.3	70.4	62.4	54.1	45.6	37.0	28.2	23.8
-85°	51.8	47.0	42.1	37.1	31.8	26.5	24.4	22.4	20.3	18.1	15.9
-87.5°	17.9	17.0	16.1	15.2	14.2	13.2	12.2	11.2	10.1	9.1	8.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645452 (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°	6.9	5.7	4.6	3.5	2.3	1.2	0.0
85°	13.7	11.5	9.2	6.9	4.6	2.3	0.0
82.5°	20.5	17.2	13.8	10.3	6.9	3.5	0.0
80°	28.7	22.8	18.3	13.8	9.2	4.6	0.0
77.5°	47.0	31.8	22.8	17.2	11.5	5.7	0.0
75°	65.2	47.0	28.7	20.5	13.7	6.9	0.0
72.5°	83.2	62.1	40.7	23.8	15.9	8.0	0.0
70°	102.0	76.9	52.6	28.2	18.1	9.1	0.0
67.5°	127.5	91.5	64.3	37.0	20.3	10.1	0.0
65°	152.5	109.1	75.8	45.6	22.4	11.2	0.0
62.5°	177.1	129.6	87.1	54.1	24.4	12.2	0.0
60°	201.1	149.7	98.1	62.4	26.5	13.2	0.0
57.5°	226.6	169.3	113.6	70.4	31.8	14.2	0.0
55°	251.8	188.3	128.8	78.3	37.1	15.2	0.0
52.5°	276.2	207.1	143.6	85.9	42.1	16.1	0.0
50°	299.9	226.8	157.9	93.3	47.0	17.0	0.0
47.5°	322.6	245.8	171.7	101.2	51.8	17.9	0.0
45°	343.6	264.1	185.0	111.1	56.3	18.7	0.0
42.5°	363.7	281.7	197.7	120.7	60.7	19.5	0.0
40°	382.9	298.4	210.5	129.7	64.9	20.3	0.0
37.5°	401.2	314.3	223.2	138.4	68.8	21.0	0.0
35°	418.4	328.9	235.2	146.5	72.5	21.7	0.0
32.5°	435.3	342.4	246.4	154.2	76.0	22.3	0.0
30°	452.6	355.0	257.0	161.4	79.3	22.9	0.0
27.5°	468.6	366.7	266.8	168.0	82.3	23.5	0.0
25°	483.3	377.5	275.8	174.1	85.1	24.0	0.0
22.5°	496.7	387.3	284.0	179.7	87.7	24.5	0.0
20°	508.8	396.1	291.3	184.7	90.0	24.9	0.0
17.5°	519.6	404.0	297.9	189.1	92.0	25.3	0.0
15°	528.9	410.8	303.6	193.0	93.8	25.6	0.0
12.5°	536.9	416.6	308.4	196.3	95.3	25.9	0.0
10°	543.4	421.4	312.4	199.0	96.5	26.1	0.0
7.5°	548.5	425.1	315.5	201.1	97.5	26.3	0.0
5°	552.2	427.8	317.7	202.6	98.1	26.4	0.0
2.5°	554.4	429.4	319.1	203.5	98.6	26.5	0.0
0°	555.1	429.9	319.5	203.8	98.7	26.5	0.0
-2.5°	554.4	429.4	319.1	203.5	98.6	26.5	0.0
-5°	552.2	427.8	317.7	202.6	98.1	26.4	0.0
-7.5°	548.5	425.1	315.5	201.1	97.5	26.3	0.0
-10°	543.4	421.4	312.4	199.0	96.5	26.1	0.0
-12.5°	536.9	416.6	308.4	196.3	95.3	25.9	0.0
-15°	528.9	410.8	303.6	193.0	93.8	25.6	0.0
-17.5°	519.6	404.0	297.9	189.1	92.0	25.3	0.0
-20°	508.8	396.1	291.3	184.7	90.0	24.9	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645452 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	496.7	387.3	284.0	179.7	87.7	24.5	0.0
-25°	483.3	377.5	275.8	174.1	85.1	24.0	0.0
-27.5°	468.6	366.7	266.8	168.0	82.3	23.5	0.0
-30°	452.6	355.0	257.0	161.4	79.3	22.9	0.0
-32.5°	435.3	342.4	246.4	154.2	76.0	22.3	0.0
-35°	418.4	328.9	235.2	146.5	72.5	21.7	0.0
-37.5°	401.2	314.3	223.2	138.4	68.8	21.0	0.0
-40°	382.9	298.4	210.5	129.7	64.9	20.3	0.0
-42.5°	363.7	281.7	197.7	120.7	60.7	19.5	0.0
-45°	343.6	264.1	185.0	111.1	56.3	18.7	0.0
-47.5°	322.6	245.8	171.7	101.2	51.8	17.9	0.0
-50°	299.9	226.8	157.9	93.3	47.0	17.0	0.0
-52.5°	276.2	207.1	143.6	85.9	42.1	16.1	0.0
-55°	251.8	188.3	128.8	78.3	37.1	15.2	0.0
-57.5°	226.6	169.3	113.6	70.4	31.8	14.2	0.0
-60°	201.1	149.7	98.1	62.4	26.5	13.2	0.0
-62.5°	177.1	129.6	87.1	54.1	24.4	12.2	0.0
-65°	152.5	109.1	75.8	45.6	22.4	11.2	0.0
-67.5°	127.5	91.5	64.3	37.0	20.3	10.1	0.0
-70°	102.0	76.9	52.6	28.2	18.1	9.1	0.0
-72.5°	83.2	62.1	40.7	23.8	15.9	8.0	0.0
-75°	65.2	47.0	28.7	20.5	13.7	6.9	0.0
-77.5°	47.0	31.8	22.8	17.2	11.5	5.7	0.0
-80°	28.7	22.8	18.3	13.8	9.2	4.6	0.0
-82.5°	20.5	17.2	13.8	10.3	6.9	3.5	0.0
-85°	13.7	11.5	9.2	6.9	4.6	2.3	0.0
-87.5°	6.9	5.7	4.6	3.5	2.3	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)