

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: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-735-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

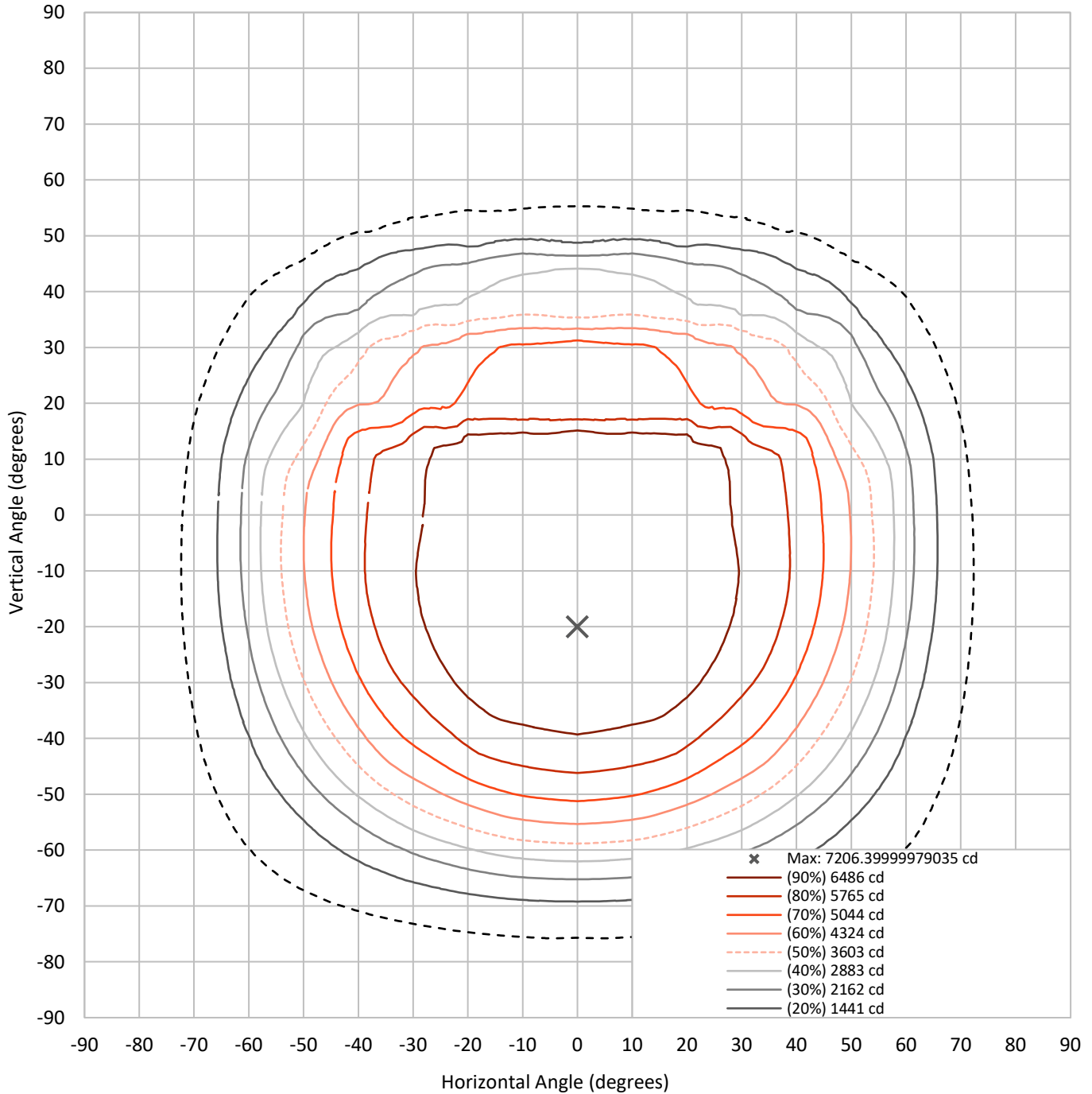
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	16897.5 lumens	Max Intensity:	7206.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	106.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	13209.5 lumens	Field Lumens:	16562 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	158.7		
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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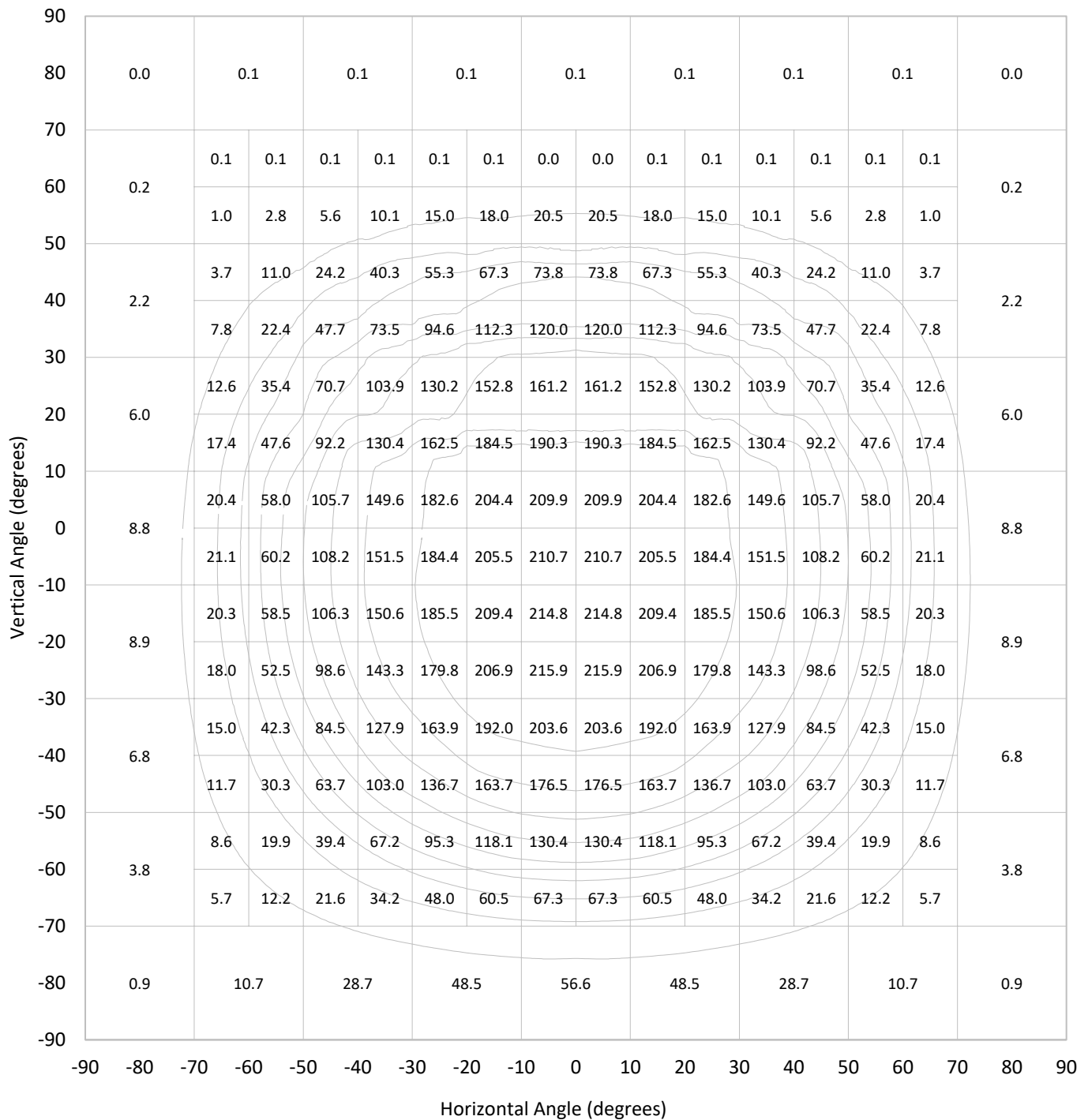
Iso-Candela Plot





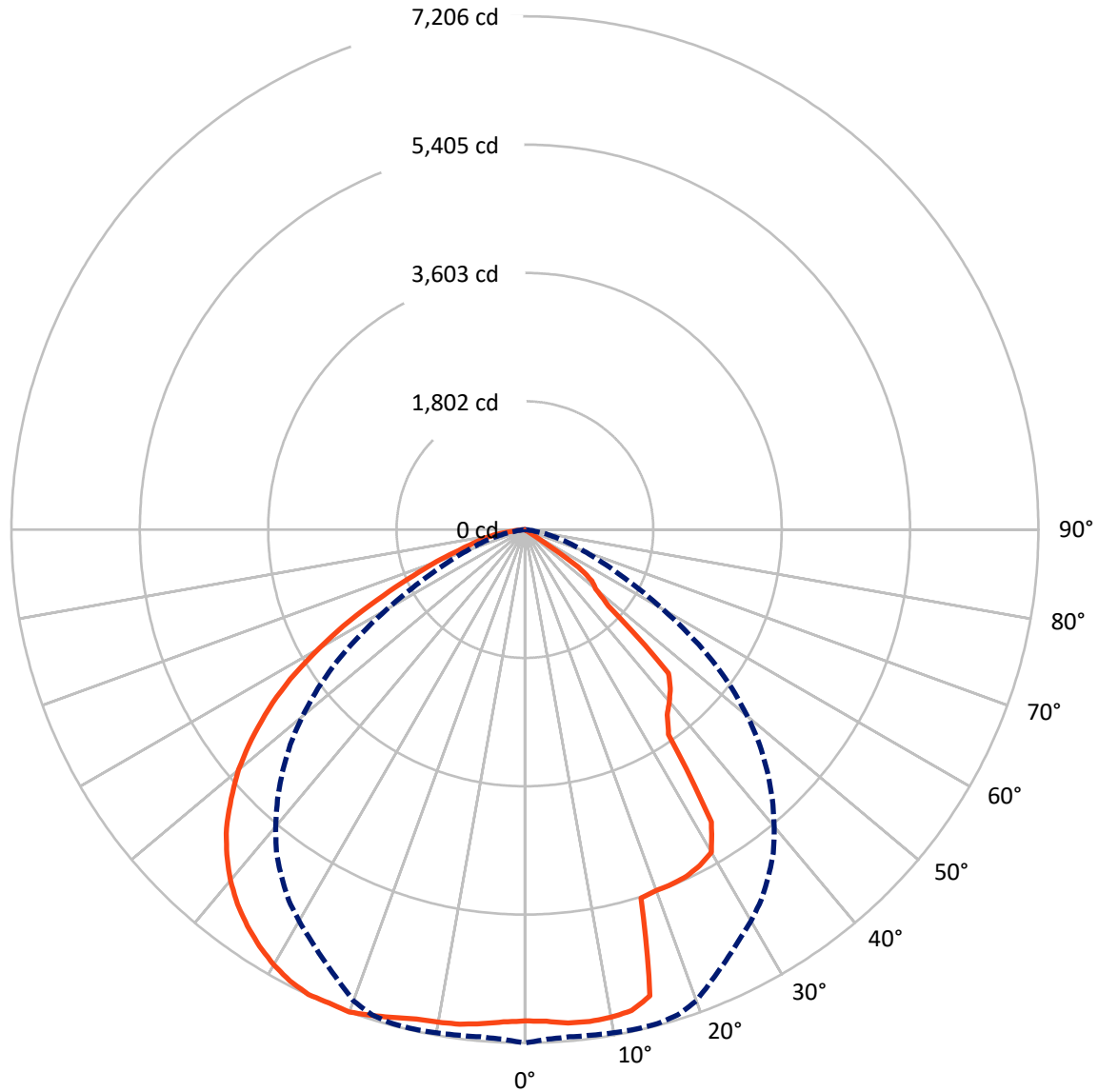
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Lumen Table



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Luminous Intensity Polar Plot

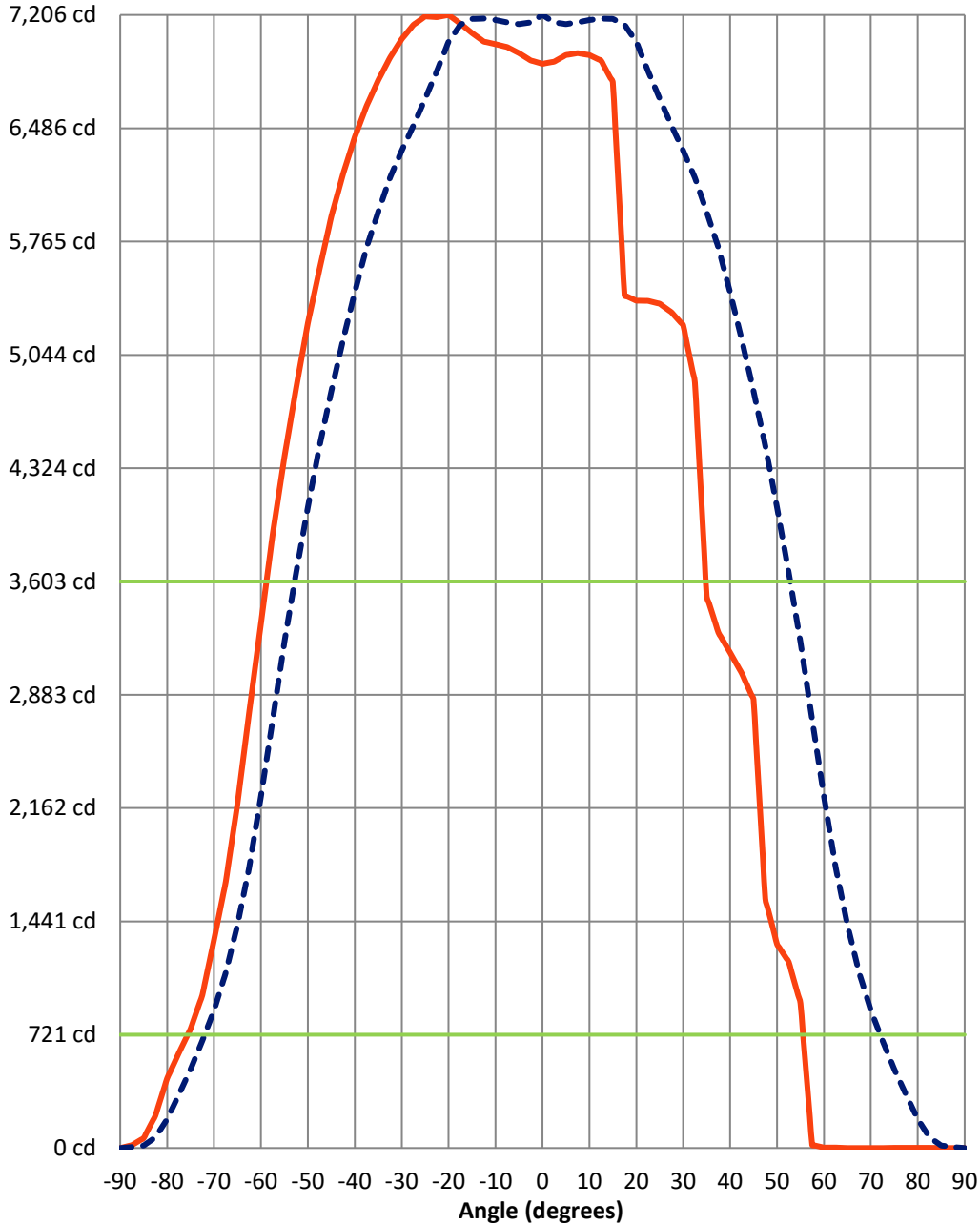


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 13209.5
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 16562
 Efficiency: 98.0%

Spill:
 Lumens: 335.6
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.7	0.6
85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.6	1.6	1.5	1.3
82.5°	0.0	0.5	0.8	1.2	1.6	2.0	2.4	2.4	2.3	1.9	1.5
80°	0.0	0.7	1.1	1.6	2.1	2.7	3.1	2.7	2.3	1.9	1.6
77.5°	0.0	0.8	1.4	2.0	2.7	3.1	3.1	2.8	2.4	2.0	1.6
75°	0.0	1.0	1.6	2.4	3.1	3.2	3.1	2.8	2.4	2.0	1.6
72.5°	0.0	1.2	1.9	2.8	3.3	3.3	3.2	2.8	2.4	2.1	1.7
70°	0.0	1.3	2.2	3.1	3.4	3.4	3.3	2.9	2.5	2.1	2.4
67.5°	0.0	1.5	2.5	3.3	3.6	3.6	3.6	2.9	2.6	3.4	3.5
65°	0.0	1.7	2.7	3.4	3.7	4.1	4.2	2.9	4.1	4.8	6.0
62.5°	0.0	1.8	3.0	3.6	3.9	5.1	4.8	4.1	5.7	8.4	13.4
60°	0.0	2.0	3.3	3.7	4.0	6.2	5.7	5.8	7.4	21.4	23.3
57.5°	0.0	2.1	3.5	3.9	5.2	7.4	10.5	8.2	20.9	36.3	42.2
55°	0.0	2.3	3.6	4.1	6.5	8.7	16.8	13.2	38.8	56.0	68.2
52.5°	0.0	2.4	3.8	4.2	7.9	11.2	24.1	33.7	58.3	87.9	99.0
50°	0.0	2.6	4.0	4.4	9.3	19.1	32.4	57.0	83.3	123.3	154.7
47.5°	0.0	2.7	4.2	4.8	10.7	27.6	43.6	81.3	120.0	162.4	211.5
45°	0.0	2.9	4.4	6.0	12.3	36.7	65.8	106.8	161.1	211.7	266.7
42.5°	0.0	3.0	4.5	7.1	13.8	46.4	88.6	139.2	203.0	259.7	330.4
40°	0.0	3.2	4.7	8.6	18.6	56.6	111.8	175.9	246.0	306.8	398.6
37.5°	0.0	3.3	4.9	10.5	26.7	67.4	135.5	212.8	291.2	363.3	469.7
35°	0.0	3.4	5.1	12.5	34.8	83.8	159.6	249.6	337.1	432.8	553.8
32.5°	0.0	3.5	5.3	14.8	43.1	102.7	185.7	286.3	383.6	502.7	656.1
30°	0.0	3.7	5.5	17.2	51.4	121.6	215.5	323.4	430.4	572.7	754.2
27.5°	0.0	3.8	5.7	19.8	61.7	140.2	244.7	362.0	482.0	642.6	848.0
25°	0.0	3.9	5.9	22.6	72.2	158.5	273.3	400.2	540.1	719.0	937.5
22.5°	0.0	4.0	6.1	25.4	82.7	177.2	301.0	437.7	597.0	795.4	1028.0
20°	0.0	4.1	6.3	28.4	93.1	197.2	327.7	474.5	652.5	867.4	1116.3
17.5°	0.0	4.2	6.5	31.4	103.3	216.6	354.2	510.2	706.2	935.0	1201.8
15°	0.0	4.3	6.7	34.4	113.3	235.2	379.7	543.4	757.9	998.0	1284.0
12.5°	0.0	4.3	6.9	37.4	122.9	252.9	403.5	573.0	799.0	1056.4	1362.2
10°	0.0	4.4	7.1	40.3	132.2	269.7	425.5	600.2	829.7	1091.5	1426.0
7.5°	0.0	4.5	7.2	43.2	140.9	285.4	445.8	625.1	855.9	1118.6	1463.1
5°	0.0	4.5	7.4	45.9	149.0	299.8	464.3	647.4	877.7	1140.5	1493.4
2.5°	0.0	4.6	7.6	48.5	156.4	312.9	480.8	667.3	895.4	1157.3	1516.5
0°	0.0	4.6	7.7	50.8	163.1	324.6	495.4	684.6	909.3	1169.3	1532.4
-2.5°	0.0	4.9	8.9	54.1	169.3	332.0	502.6	694.7	914.3	1184.4	1542.7
-5°	0.0	5.1	10.1	57.1	174.6	337.8	507.9	702.1	916.0	1194.2	1546.0
-7.5°	0.0	5.4	11.2	59.9	178.9	342.1	511.3	706.7	914.7	1198.2	1542.6
-10°	0.0	5.6	12.3	62.2	182.2	344.8	512.9	708.4	910.8	1195.8	1532.8
-12.5°	0.0	5.8	13.4	64.2	184.3	345.9	512.6	707.2	904.5	1186.2	1516.0
-15°	0.0	6.0	14.4	65.8	185.4	345.4	510.6	703.1	897.3	1167.4	1491.6
-17.5°	0.0	6.2	15.3	66.9	185.3	343.3	506.8	694.6	888.6	1143.9	1459.8
-20°	0.0	6.3	16.2	67.6	183.9	339.7	501.0	682.5	876.2	1115.8	1420.6

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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	6.4	16.9	67.8	181.3	334.5	492.7	668.0	860.0	1083.6	1374.1
-25°	0.0	6.5	17.6	67.5	177.5	326.5	482.4	651.1	840.0	1047.2	1320.2
-27.5°	0.0	6.6	18.2	66.7	172.3	316.4	470.1	631.9	816.2	1012.0	1272.5
-30°	0.0	6.6	18.7	65.3	165.8	305.0	455.9	610.6	790.1	982.2	1221.6
-32.5°	0.0	6.7	19.0	63.4	158.3	292.3	439.9	590.8	762.5	947.8	1167.1
-35°	0.0	6.7	19.3	60.9	149.9	278.2	422.5	570.0	732.7	908.8	1109.3
-37.5°	0.0	6.6	19.4	57.9	140.7	264.0	403.8	547.0	700.7	865.2	1052.2
-40°	0.0	6.6	19.4	54.3	130.6	251.2	383.6	521.8	666.6	824.1	995.8
-42.5°	0.0	6.5	19.3	50.4	123.0	237.5	362.1	494.6	633.7	780.6	935.1
-45°	0.0	6.3	19.1	46.4	117.8	222.9	339.2	466.3	600.1	734.3	872.2
-47.5°	0.0	6.2	18.7	41.9	111.6	207.4	315.0	438.1	564.0	685.6	817.7
-50°	0.0	6.0	18.3	40.4	104.6	191.1	294.8	408.4	524.2	641.0	760.7
-52.5°	0.0	5.8	17.7	39.6	96.6	174.1	274.6	377.5	486.0	595.0	702.3
-55°	0.0	5.5	17.0	38.4	87.8	161.2	253.5	346.1	447.8	547.8	650.4
-57.5°	0.0	5.3	16.2	36.7	78.1	148.1	231.7	321.2	408.2	502.5	597.4
-60°	0.0	5.0	15.2	34.6	67.9	133.7	209.6	293.7	368.6	456.7	544.4
-62.5°	0.0	4.6	14.3	32.2	63.1	118.3	189.4	263.8	332.0	409.7	492.5
-65°	0.0	4.3	13.3	29.3	57.6	101.8	167.7	232.7	293.1	362.6	439.3
-67.5°	0.0	3.9	12.2	26.2	51.5	88.0	144.6	201.9	252.3	313.4	382.0
-70°	0.0	3.5	11.0	22.7	44.7	77.0	120.3	170.3	215.7	261.9	320.9
-72.5°	0.0	3.1	9.8	20.0	37.5	65.2	101.8	138.1	178.4	219.3	260.7
-75°	0.0	2.7	8.5	17.4	29.9	52.6	83.2	111.3	140.4	176.1	212.2
-77.5°	0.0	2.3	7.2	14.6	24.7	39.5	63.7	86.0	109.2	134.3	162.9
-80°	0.0	1.8	5.8	11.8	19.9	30.1	43.4	60.2	78.2	97.6	118.5
-82.5°	0.0	1.4	4.4	8.9	15.1	22.7	31.9	38.7	46.7	60.4	75.2
-85°	0.0	0.9	2.9	6.0	10.1	15.2	21.4	25.8	30.4	35.2	40.2
-87.5°	0.0	0.5	1.5	3.0	5.1	7.6	10.7	12.9	15.2	17.7	20.1
-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-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2
85°	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.8	2.0	1.9	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	2.4	2.5	2.2	1.8	1.5	1.6	1.7	1.7	1.5	1.5	1.5
67.5°	3.0	2.6	2.2	2.1	2.1	2.3	2.3	1.9	1.5	1.5	1.6
65°	3.1	2.7	3.8	4.3	3.2	2.7	2.3	2.0	2.1	2.2	2.2
62.5°	4.6	5.7	7.3	13.0	9.7	2.8	5.1	6.0	4.4	3.7	3.9
60°	15.0	10.2	30.3	43.5	27.1	9.9	12.1	40.2	34.9	6.5	21.8
57.5°	31.6	43.3	79.9	81.3	56.2	38.8	112.9	130.4	98.7	57.6	88.1
55°	69.5	106.9	132.4	122.6	133.9	202.7	240.9	216.4	182.2	280.2	358.0
52.5°	135.9	174.0	182.6	209.7	300.2	344.9	330.5	353.4	458.3	569.2	593.2
50°	200.6	231.8	256.0	370.2	441.0	445.5	478.4	582.3	722.2	790.0	773.6
47.5°	263.1	295.4	408.5	518.3	550.1	593.6	675.8	876.3	1024.5	1027.4	1010.6
45°	329.3	415.5	559.9	631.4	683.0	767.2	965.7	1242.4	1256.7	1296.9	1544.1
42.5°	400.1	551.1	677.1	751.5	834.8	992.0	1256.9	1438.4	1500.8	1676.7	1875.6
40°	514.6	682.0	792.1	887.2	994.4	1223.7	1513.8	1683.9	1734.6	1886.9	2036.4
37.5°	630.9	791.4	914.7	1029.5	1178.0	1487.6	1823.2	1963.4	1989.1	2016.9	2348.2
35°	742.9	903.6	1051.2	1201.3	1383.5	1829.2	2122.5	2254.3	2250.3	2438.3	2785.1
32.5°	847.5	1018.2	1192.5	1393.3	1693.8	2150.4	2443.8	2522.8	2642.6	2916.2	3389.6
30°	952.1	1146.1	1346.2	1585.5	1966.2	2361.9	2696.9	2824.0	3029.1	3341.4	3686.0
27.5°	1059.7	1277.3	1519.2	1799.6	2181.1	2544.9	2831.0	3134.6	3333.9	3613.8	3858.9
25°	1167.0	1416.1	1690.0	1986.8	2334.7	2673.8	2969.8	3320.2	3534.4	3760.0	3988.6
22.5°	1279.4	1556.9	1866.2	2135.1	2464.2	2783.4	3135.7	3515.9	3794.3	3937.6	4091.1
20°	1397.0	1709.2	2039.1	2336.9	2592.1	2885.1	3302.3	3764.2	4123.6	4284.9	4306.0
17.5°	1512.9	1856.7	2211.5	2533.9	2809.1	3069.9	3477.2	4061.8	4508.6	4658.6	4725.4
15°	1625.9	1998.7	2382.9	2725.6	3027.7	3346.7	3781.6	4376.0	4886.9	5052.9	5157.9
12.5°	1735.0	2134.0	2551.5	2911.0	3246.5	3604.2	4057.9	4602.1	5068.4	5389.5	5582.1
10°	1838.9	2261.8	2715.2	3088.9	3462.7	3843.1	4286.6	4770.6	5150.1	5459.8	5733.2
7.5°	1891.3	2345.3	2855.9	3258.2	3673.6	4063.9	4473.9	4889.3	5209.0	5512.7	5777.0
5°	1927.0	2379.6	2899.8	3317.2	3785.6	4211.2	4609.3	4967.3	5247.4	5548.4	5806.6
2.5°	1952.4	2401.8	2929.5	3349.5	3827.7	4256.5	4648.2	4993.4	5279.1	5574.0	5838.4
0°	1967.8	2412.4	2944.7	3369.3	3854.0	4286.3	4670.9	5003.2	5300.2	5586.3	5871.0
-2.5°	1976.5	2444.7	2954.8	3420.4	3879.4	4312.0	4702.6	5027.0	5337.3	5609.6	5895.0
-5°	1975.4	2463.9	2952.2	3454.7	3891.6	4322.0	4718.5	5037.8	5357.4	5627.0	5904.7
-7.5°	1964.7	2468.4	2938.9	3465.5	3892.1	4318.6	4711.5	5042.9	5357.1	5643.0	5905.6
-10°	1945.5	2451.0	2926.6	3437.7	3877.2	4301.1	4690.2	5031.6	5344.6	5639.8	5900.5
-12.5°	1923.0	2415.0	2900.9	3397.6	3846.8	4268.4	4657.9	5002.8	5321.2	5615.6	5888.7
-15°	1889.1	2367.1	2858.7	3346.8	3800.7	4220.8	4616.0	4955.8	5285.1	5573.5	5853.8
-17.5°	1843.7	2307.8	2799.4	3286.4	3738.5	4158.7	4562.2	4893.7	5221.4	5519.4	5789.9
-20°	1786.4	2237.6	2722.4	3217.8	3659.5	4075.3	4466.2	4813.3	5139.0	5442.0	5726.3



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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°	1717.1	2156.8	2629.6	3125.3	3561.0	3972.1	4358.3	4711.0	5048.4	5341.6	5644.5
-25°	1647.7	2071.5	2527.1	2997.2	3446.5	3855.9	4243.3	4586.8	4931.7	5236.6	5524.4
-27.5°	1581.2	1972.5	2408.1	2856.1	3316.8	3724.2	4108.1	4452.0	4786.7	5120.1	5397.2
-30°	1506.6	1857.9	2277.6	2705.6	3154.6	3569.4	3956.3	4313.0	4631.6	4960.7	5258.3
-32.5°	1424.3	1736.4	2139.7	2551.5	2974.9	3398.8	3782.1	4136.5	4467.9	4779.2	5091.5
-35°	1343.8	1638.2	1993.7	2386.0	2784.5	3200.4	3583.9	3934.9	4278.9	4587.3	4885.7
-37.5°	1271.4	1531.9	1838.5	2213.2	2594.0	2987.5	3377.5	3717.3	4044.6	4383.7	4674.7
-40°	1193.1	1417.8	1704.1	2035.3	2394.2	2768.3	3141.8	3493.3	3801.0	4136.1	4456.1
-42.5°	1111.0	1324.9	1571.5	1847.0	2185.7	2538.5	2899.0	3242.8	3562.4	3878.5	4195.6
-45°	1039.2	1226.5	1436.6	1688.3	1964.1	2295.8	2637.2	2979.9	3286.5	3587.8	3901.0
-47.5°	962.8	1127.6	1321.9	1522.9	1762.6	2040.0	2361.0	2677.1	2991.0	3277.7	3554.9
-50°	886.7	1038.6	1198.2	1379.2	1577.0	1801.9	2068.5	2362.3	2649.1	2943.3	3217.9
-52.5°	821.1	945.0	1089.2	1240.2	1409.6	1595.6	1809.2	2050.6	2311.4	2561.1	2835.0
-55°	753.0	864.7	981.1	1114.1	1255.0	1412.0	1587.1	1790.0	1989.0	2219.9	2443.6
-57.5°	690.9	785.1	884.4	994.2	1116.6	1242.3	1395.3	1553.1	1733.7	1913.2	2090.3
-60°	632.4	709.4	793.6	886.6	985.0	1096.8	1211.0	1346.5	1491.9	1635.2	1785.5
-62.5°	573.4	638.2	706.8	784.0	869.8	954.4	1051.9	1156.2	1263.2	1384.7	1503.2
-65°	512.7	565.1	623.3	687.3	755.8	827.8	902.7	980.0	1071.0	1160.0	1246.1
-67.5°	448.3	493.1	540.2	590.6	648.0	704.6	761.0	826.3	893.3	959.2	1027.4
-70°	376.9	419.1	458.4	499.3	542.0	586.2	634.5	682.4	729.6	779.0	833.8
-72.5°	304.3	343.2	377.7	407.9	442.9	479.7	515.0	548.6	584.3	621.7	658.8
-75°	242.7	268.4	299.2	327.4	355.2	381.1	404.4	432.9	462.7	489.9	512.3
-77.5°	189.4	212.8	233.8	252.7	274.9	300.9	323.5	343.0	361.9	382.5	404.3
-80°	137.8	157.1	176.4	193.8	206.6	221.3	238.7	258.5	275.8	289.8	302.5
-82.5°	89.0	103.0	117.2	131.8	137.7	141.8	145.6	152.5	163.1	173.7	183.7
-85°	44.3	48.4	57.1	66.0	69.1	71.3	72.8	73.7	77.3	80.6	83.5
-87.5°	22.2	24.2	26.2	28.2	27.2	25.7	23.9	21.8	21.3	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: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.3	1.3	1.3	1.4	1.0	0.7	0.4	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.1	0.7
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.0
65°	2.1	2.1	2.2	2.1	1.9	1.8	1.9	1.8	1.6	1.3	0.9
62.5°	3.9	4.4	3.4	3.4	3.3	3.3	3.1	2.9	2.7	2.6	2.7
60°	24.1	14.2	8.3	9.7	8.7	5.8	7.4	8.7	8.8	8.1	7.1
57.5°	133.7	99.8	73.9	176.5	177.0	84.5	101.8	160.1	131.8	43.3	40.2
55°	372.0	444.9	585.6	556.2	565.3	650.2	710.0	628.5	616.1	656.5	758.4
52.5°	668.3	737.9	785.2	829.4	883.3	941.2	1000.8	1038.8	1074.3	1112.1	1134.6
50°	853.5	951.4	1018.7	994.0	1133.4	1190.4	1132.5	1184.3	1247.4	1264.8	1272.9
47.5°	1260.2	1403.9	1432.4	1525.0	1608.2	1606.4	1535.8	1539.9	1727.9	1893.7	1975.1
45°	1811.1	1816.0	1906.4	2069.8	2186.7	2149.9	2248.5	2472.7	2547.3	2619.5	2678.6
42.5°	2025.8	2114.7	2258.9	2403.4	2490.5	2566.1	2639.1	2721.5	2818.4	2896.9	2959.7
40°	2233.6	2305.3	2452.9	2569.3	2641.4	2712.0	2797.0	2888.3	2977.0	3046.0	3093.2
37.5°	2553.4	2609.0	2644.9	2753.0	2889.5	2826.5	2987.9	3103.6	3156.5	3226.6	3232.9
35°	3037.4	3000.4	2952.5	3382.7	3408.4	3263.1	3414.1	3593.5	3498.9	3695.9	3801.8
32.5°	3466.4	3460.9	3836.3	4062.4	3932.3	4038.5	4386.4	4371.0	4603.0	4710.6	4679.9
30°	3870.6	4008.5	4225.6	4394.0	4416.5	4584.0	4738.5	4873.9	5013.9	5139.4	5148.0
27.5°	4075.7	4255.7	4403.1	4500.5	4609.2	4750.1	4890.4	5042.9	5161.9	5240.6	5259.9
25°	4199.8	4383.7	4495.3	4600.2	4720.2	4841.8	4998.8	5164.8	5260.5	5309.0	5324.5
22.5°	4309.3	4474.5	4594.5	4679.5	4808.7	4939.6	5085.9	5226.5	5330.4	5351.6	5359.3
20°	4414.6	4573.3	4773.7	4899.0	4892.8	5040.1	5181.2	5293.0	5379.6	5379.1	5381.1
17.5°	4719.3	4776.0	5139.6	5415.7	5279.0	5206.9	5594.8	5602.2	5625.2	5579.4	5480.2
15°	5170.4	5273.6	5720.3	6019.6	5925.4	5920.4	6480.8	6341.8	6461.4	6430.1	6564.7
12.5°	5648.3	5770.4	6104.3	6398.1	6538.2	6572.6	6759.8	6935.1	6971.2	6957.0	6930.5
10°	5973.9	6147.8	6281.9	6460.3	6601.6	6745.7	6854.1	6980.0	7021.3	6997.4	6963.6
7.5°	6016.2	6188.2	6345.6	6502.1	6636.7	6752.8	6865.3	6967.8	7009.7	6995.9	6972.7
5°	6043.2	6199.0	6351.6	6510.4	6639.0	6746.6	6858.7	6962.6	6987.3	6970.7	6948.1
2.5°	6059.8	6204.0	6351.1	6509.3	6626.0	6728.5	6842.0	6952.8	6952.5	6945.3	6932.1
0°	6067.9	6212.5	6383.3	6526.4	6657.1	6754.1	6866.4	6974.1	6966.4	6946.4	6923.3
-2.5°	6085.2	6231.7	6406.0	6524.5	6672.0	6760.8	6876.9	6970.1	6966.5	6956.7	6945.3
-5°	6100.6	6265.4	6428.4	6553.1	6700.9	6817.0	6932.4	7005.3	7009.2	6995.5	6976.3
-7.5°	6110.0	6292.7	6448.2	6573.5	6716.8	6851.8	6968.8	7045.4	7047.1	7028.9	7005.8
-10°	6106.9	6299.7	6459.8	6589.3	6736.1	6869.3	6991.7	7088.8	7085.6	7068.3	7048.6
-12.5°	6095.3	6287.9	6452.4	6582.2	6748.9	6886.1	7023.8	7120.3	7125.4	7112.4	7091.2
-15°	6070.0	6268.8	6428.8	6570.6	6733.9	6894.4	7035.8	7142.3	7161.3	7150.6	7133.9
-17.5°	6019.9	6229.7	6399.3	6552.1	6708.9	6879.9	7040.8	7157.2	7183.2	7179.0	7165.0
-20°	5954.0	6170.6	6342.8	6502.9	6673.5	6849.7	7036.9	7143.3	7181.0	7183.4	7173.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5880.1	6092.2	6274.8	6432.2	6617.2	6795.5	6965.1	7089.7	7153.0	7164.7	7165.5
-25°	5791.5	6009.4	6190.9	6358.5	6530.6	6714.7	6886.0	7025.1	7089.3	7120.0	7129.5
-27.5°	5666.3	5891.5	6070.2	6247.3	6422.3	6612.6	6792.6	6943.9	6996.0	7038.2	7055.1
-30°	5519.7	5742.4	5924.5	6086.4	6286.7	6480.6	6666.4	6798.4	6877.1	6925.3	6951.7
-32.5°	5351.0	5575.9	5767.0	5936.1	6126.4	6320.3	6495.1	6634.3	6742.9	6798.5	6826.7
-35°	5168.2	5397.7	5597.8	5775.9	5955.1	6140.0	6321.1	6466.7	6590.4	6638.2	6673.5
-37.5°	4947.6	5200.8	5406.0	5589.7	5760.0	5933.7	6122.3	6288.8	6408.9	6455.3	6492.5
-40°	4721.4	4966.1	5173.0	5369.0	5537.4	5727.1	5908.8	6083.3	6187.4	6241.5	6283.7
-42.5°	4482.6	4703.7	4900.4	5090.8	5278.3	5473.6	5655.2	5836.5	5926.6	5991.8	6043.5
-45°	4206.9	4412.7	4603.9	4782.0	4975.3	5167.3	5349.0	5509.3	5616.5	5701.4	5767.4
-47.5°	3839.5	4090.1	4282.1	4451.5	4643.1	4828.4	5004.4	5155.1	5272.7	5372.0	5448.7
-50°	3466.2	3706.7	3923.3	4113.6	4291.4	4462.7	4630.3	4777.7	4902.2	5009.7	5087.4
-52.5°	3098.7	3324.0	3538.9	3735.4	3906.3	4068.0	4221.4	4369.6	4500.9	4615.9	4691.0
-55°	2683.4	2916.8	3129.3	3312.6	3483.3	3643.2	3794.5	3935.2	4064.4	4181.5	4253.5
-57.5°	2293.8	2498.5	2696.3	2865.5	3026.6	3178.9	3322.4	3457.0	3581.4	3691.6	3761.0
-60°	1935.6	2084.9	2255.1	2411.3	2554.2	2683.8	2817.7	2943.2	3057.4	3154.3	3219.0
-62.5°	1619.1	1742.8	1865.7	1984.5	2100.3	2216.8	2328.9	2433.0	2528.4	2607.8	2664.5
-65°	1337.0	1436.4	1525.3	1609.5	1689.8	1781.6	1866.9	1947.0	2021.2	2082.1	2125.3
-67.5°	1100.9	1170.8	1232.2	1290.0	1353.3	1418.2	1479.1	1532.0	1577.4	1613.4	1641.9
-70°	887.8	939.2	985.6	1031.6	1077.8	1120.0	1160.3	1199.3	1236.3	1266.5	1289.1
-72.5°	695.3	730.4	762.0	797.5	830.7	862.7	890.6	913.1	930.5	947.5	962.3
-75°	530.1	556.5	592.1	622.1	647.0	668.9	689.1	707.0	722.8	736.7	749.0
-77.5°	426.3	448.7	471.4	493.4	514.6	530.3	545.0	559.6	574.0	586.4	597.3
-80°	316.0	332.7	350.2	367.8	385.3	394.0	401.0	407.4	413.1	420.5	427.4
-82.5°	193.2	202.7	212.4	222.2	232.1	234.5	235.4	235.2	233.9	231.2	227.1
-85°	86.0	86.5	86.2	85.3	83.6	80.2	76.0	71.2	65.8	64.9	63.9
-87.5°	18.9	18.5	18.0	17.4	16.8	16.7	16.6	16.5	16.3	16.9	17.4
-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: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.4
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	0.8	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	0.8	0.0	0.8	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.3	1.5	1.5
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.9	1.3	1.6	1.8
62.5°	2.8	3.0	3.1	3.1	3.1	3.0	2.8	2.7	2.6	2.7	2.9
60°	5.6	3.7	3.1	3.1	3.1	3.7	5.6	7.1	8.1	8.8	8.7
57.5°	34.0	25.4	21.6	20.0	21.6	25.4	34.0	40.2	43.3	131.8	160.1
55°	831.4	873.8	905.4	920.0	905.4	873.8	831.4	758.4	656.5	616.1	628.5
52.5°	1154.4	1172.9	1183.5	1183.1	1183.5	1172.9	1154.4	1134.6	1112.1	1074.3	1038.8
50°	1286.8	1295.7	1298.9	1297.0	1298.9	1295.7	1286.8	1272.9	1264.8	1247.4	1184.3
47.5°	1900.7	1736.2	1615.2	1586.2	1615.2	1736.2	1900.7	1975.1	1893.7	1727.9	1539.9
45°	2707.0	2769.4	2831.5	2850.9	2831.5	2769.4	2707.0	2678.6	2619.5	2547.3	2472.7
42.5°	2986.3	3006.6	3018.1	3018.6	3018.1	3006.6	2986.3	2959.7	2896.9	2818.4	2721.5
40°	3119.5	3138.7	3149.8	3150.9	3149.8	3138.7	3119.5	3093.2	3046.0	2977.0	2888.3
37.5°	3240.6	3256.9	3267.6	3278.6	3267.6	3256.9	3240.6	3232.9	3226.6	3156.5	3103.6
35°	3787.5	3663.6	3485.4	3512.4	3485.4	3663.6	3787.5	3801.8	3695.9	3498.9	3593.5
32.5°	4727.9	4780.0	4812.5	4867.8	4812.5	4780.0	4727.9	4679.9	4710.6	4603.0	4371.0
30°	5161.8	5179.0	5205.0	5232.5	5205.0	5179.0	5161.8	5148.0	5139.4	5013.9	4873.9
27.5°	5270.1	5287.9	5303.7	5315.5	5303.7	5287.9	5270.1	5259.9	5240.6	5161.9	5042.9
25°	5326.7	5337.8	5354.6	5369.4	5354.6	5337.8	5326.7	5324.5	5309.0	5260.5	5164.8
22.5°	5354.9	5356.0	5369.2	5387.9	5369.2	5356.0	5354.9	5359.3	5351.6	5330.4	5226.5
20°	5374.2	5363.7	5377.3	5389.4	5377.3	5363.7	5374.2	5381.1	5379.1	5379.6	5293.0
17.5°	5620.2	5479.8	5422.1	5423.2	5422.1	5479.8	5620.2	5480.2	5579.4	5625.2	5602.2
15°	6413.6	6466.3	6668.1	6777.1	6668.1	6466.3	6413.6	6564.7	6430.1	6461.4	6341.8
12.5°	6925.6	6906.9	6882.9	6915.6	6882.9	6906.9	6925.6	6930.5	6957.0	6971.2	6935.1
10°	6949.3	6947.2	6904.5	6951.0	6904.5	6947.2	6949.3	6963.6	6997.4	7021.3	6980.0
7.5°	6934.8	6936.1	6917.9	6963.3	6917.9	6936.1	6934.8	6972.7	6995.9	7009.7	6967.8
5°	6944.4	6913.2	6925.0	6951.0	6925.0	6913.2	6944.4	6948.1	6970.7	6987.3	6962.6
2.5°	6917.5	6914.3	6891.2	6909.4	6891.2	6914.3	6917.5	6932.1	6945.3	6952.5	6952.8
0°	6897.1	6880.2	6880.2	6895.6	6880.2	6880.2	6897.1	6923.3	6946.4	6966.4	6974.1
-2.5°	6933.6	6930.0	6927.8	6917.1	6927.8	6930.0	6933.6	6945.3	6956.7	6966.5	6970.1
-5°	6963.4	6954.3	6929.1	6963.3	6929.1	6954.3	6963.4	6976.3	6995.5	7009.2	7005.3
-7.5°	6995.6	6972.2	6948.3	7001.8	6948.3	6972.2	6995.6	7005.8	7028.9	7047.1	7045.4
-10°	7025.0	6991.2	6967.9	7020.2	6967.9	6991.2	7025.0	7048.6	7068.3	7085.6	7088.8
-12.5°	7063.9	7024.4	7008.8	7037.1	7008.8	7024.4	7063.9	7091.2	7112.4	7125.4	7120.3
-15°	7105.3	7077.9	7074.2	7091.0	7074.2	7077.9	7105.3	7133.9	7150.6	7161.3	7142.3
-17.5°	7141.6	7122.4	7132.0	7151.0	7132.0	7122.4	7141.6	7165.0	7179.0	7183.2	7157.2
-20°	7159.0	7148.3	7159.0	7206.4	7159.0	7148.3	7159.0	7173.9	7183.4	7181.0	7143.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7157.6	7158.2	7177.1	7192.5	7177.1	7158.2	7157.6	7165.5	7164.7	7153.0	7089.7
-25°	7130.2	7144.6	7166.2	7197.1	7166.2	7144.6	7130.2	7129.5	7120.0	7089.3	7025.1
-27.5°	7064.4	7088.3	7110.8	7143.3	7110.8	7088.3	7064.4	7055.1	7038.2	6996.0	6943.9
-30°	6969.1	6997.6	7017.7	7052.5	7017.7	6997.6	6969.1	6951.7	6925.3	6877.1	6798.4
-32.5°	6853.2	6885.4	6909.2	6934.1	6909.2	6885.4	6853.2	6826.7	6798.5	6742.9	6634.3
-35°	6708.3	6743.0	6768.3	6791.0	6768.3	6743.0	6708.3	6673.5	6638.2	6590.4	6466.7
-37.5°	6534.3	6571.6	6600.4	6626.4	6600.4	6571.6	6534.3	6492.5	6455.3	6408.9	6288.8
-40°	6331.5	6369.8	6400.6	6429.4	6400.6	6369.8	6331.5	6283.7	6241.5	6187.4	6083.3
-42.5°	6094.4	6133.1	6164.8	6194.0	6164.8	6133.1	6094.4	6043.5	5991.8	5926.6	5836.5
-45°	5820.6	5860.4	5894.0	5924.8	5894.0	5860.4	5820.6	5767.4	5701.4	5616.5	5509.3
-47.5°	5505.2	5547.8	5576.5	5590.9	5576.5	5547.8	5505.2	5448.7	5372.0	5272.7	5155.1
-50°	5143.7	5186.3	5220.8	5246.3	5220.8	5186.3	5143.7	5087.4	5009.7	4902.2	4777.7
-52.5°	4745.9	4786.4	4816.1	4834.0	4816.1	4786.4	4745.9	4691.0	4615.9	4500.9	4369.6
-55°	4310.2	4352.7	4380.8	4394.0	4380.8	4352.7	4310.2	4253.5	4181.5	4064.4	3935.2
-57.5°	3816.0	3856.4	3886.3	3903.2	3886.3	3856.4	3816.0	3761.0	3691.6	3581.4	3457.0
-60°	3269.4	3305.4	3328.1	3337.0	3328.1	3305.4	3269.4	3219.0	3154.3	3057.4	2943.2
-62.5°	2710.3	2744.4	2765.7	2773.9	2765.7	2744.4	2710.3	2664.5	2607.8	2528.4	2433.0
-65°	2157.5	2178.8	2190.7	2192.4	2190.7	2178.8	2157.5	2125.3	2082.1	2021.2	1947.0
-67.5°	1664.4	1680.7	1690.6	1693.9	1690.6	1680.7	1664.4	1641.9	1613.4	1577.4	1532.0
-70°	1306.0	1317.2	1323.6	1324.7	1323.6	1317.2	1306.0	1289.1	1266.5	1236.3	1199.3
-72.5°	973.7	981.7	978.9	972.3	978.9	981.7	973.7	962.3	947.5	930.5	913.1
-75°	759.6	768.4	764.7	758.5	764.7	768.4	759.6	749.0	736.7	722.8	707.0
-77.5°	606.8	614.9	610.9	604.6	610.9	614.9	606.8	597.3	586.4	574.0	559.6
-80°	433.4	438.1	441.5	443.1	441.5	438.1	433.4	427.4	420.5	413.1	407.4
-82.5°	221.8	215.3	211.2	206.2	211.2	215.3	221.8	227.1	231.2	233.9	235.2
-85°	62.7	61.2	62.2	63.1	62.2	61.2	62.7	63.9	64.9	65.8	71.2
-87.5°	17.9	18.4	18.5	18.5	18.5	18.4	17.9	17.4	16.9	16.3	16.5
-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: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	1.0	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1
85°	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.7
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.9
65°	1.9	1.8	1.9	2.1	2.2	2.1	2.1	2.2	2.2	2.1	2.0
62.5°	3.1	3.3	3.3	3.4	3.4	4.4	3.9	3.9	3.7	4.4	6.0
60°	7.4	5.8	8.7	9.7	8.3	14.2	24.1	21.8	6.5	34.9	40.2
57.5°	101.8	84.5	177.0	176.5	73.9	99.8	133.7	88.1	57.6	98.7	130.4
55°	710.0	650.2	565.3	556.2	585.6	444.9	372.0	358.0	280.2	182.2	216.4
52.5°	1000.8	941.2	883.3	829.4	785.2	737.9	668.3	593.2	569.2	458.3	353.4
50°	1132.5	1190.4	1133.4	994.0	1018.7	951.4	853.5	773.6	790.0	722.2	582.3
47.5°	1535.8	1606.4	1608.2	1525.0	1432.4	1403.9	1260.2	1010.6	1027.4	1024.5	876.3
45°	2248.5	2149.9	2186.7	2069.8	1906.4	1816.0	1811.1	1544.1	1296.9	1256.7	1242.4
42.5°	2639.1	2566.1	2490.5	2403.4	2258.9	2114.7	2025.8	1875.6	1676.7	1500.8	1438.4
40°	2797.0	2712.0	2641.4	2569.3	2452.9	2305.3	2233.6	2036.4	1886.9	1734.6	1683.9
37.5°	2987.9	2826.5	2889.5	2753.0	2644.9	2609.0	2553.4	2348.2	2016.9	1989.1	1963.4
35°	3414.1	3263.1	3408.4	3382.7	2952.5	3000.4	3037.4	2785.1	2438.3	2250.3	2254.3
32.5°	4386.4	4038.5	3932.3	4062.4	3836.3	3460.9	3466.4	3389.6	2916.2	2642.6	2522.8
30°	4738.5	4584.0	4416.5	4394.0	4225.6	4008.5	3870.6	3686.0	3341.4	3029.1	2824.0
27.5°	4890.4	4750.1	4609.2	4500.5	4403.1	4255.7	4075.7	3858.9	3613.8	3333.9	3134.6
25°	4998.8	4841.8	4720.2	4600.2	4495.3	4383.7	4199.8	3988.6	3760.0	3534.4	3320.2
22.5°	5085.9	4939.6	4808.7	4679.5	4594.5	4474.5	4309.3	4091.1	3937.6	3794.3	3515.9
20°	5181.2	5040.1	4892.8	4899.0	4773.7	4573.3	4414.6	4306.0	4284.9	4123.6	3764.2
17.5°	5594.8	5206.9	5279.0	5415.7	5139.6	4776.0	4719.3	4725.4	4658.6	4508.6	4061.8
15°	6480.8	5920.4	5925.4	6019.6	5720.3	5273.6	5170.4	5157.9	5052.9	4886.9	4376.0
12.5°	6759.8	6572.6	6538.2	6398.1	6104.3	5770.4	5648.3	5582.1	5389.5	5068.4	4602.1
10°	6854.1	6745.7	6601.6	6460.3	6281.9	6147.8	5973.9	5733.2	5459.8	5150.1	4770.6
7.5°	6865.3	6752.8	6636.7	6502.1	6345.6	6188.2	6016.2	5777.0	5512.7	5209.0	4889.3
5°	6858.7	6746.6	6639.0	6510.4	6351.6	6199.0	6043.2	5806.6	5548.4	5247.4	4967.3
2.5°	6842.0	6728.5	6626.0	6509.3	6351.1	6204.0	6059.8	5838.4	5574.0	5279.1	4993.4
0°	6866.4	6754.1	6657.1	6526.4	6383.3	6212.5	6067.9	5871.0	5586.3	5300.2	5003.2
-2.5°	6876.9	6760.8	6672.0	6524.5	6406.0	6231.7	6085.2	5895.0	5609.6	5337.3	5027.0
-5°	6932.4	6817.0	6700.9	6553.1	6428.4	6265.4	6100.6	5904.7	5627.0	5357.4	5037.8
-7.5°	6968.8	6851.8	6716.8	6573.5	6448.2	6292.7	6110.0	5905.6	5643.0	5357.1	5042.9
-10°	6991.7	6869.3	6736.1	6589.3	6459.8	6299.7	6106.9	5900.5	5639.8	5344.6	5031.6
-12.5°	7023.8	6886.1	6748.9	6582.2	6452.4	6287.9	6095.3	5888.7	5615.6	5321.2	5002.8
-15°	7035.8	6894.4	6733.9	6570.6	6428.8	6268.8	6070.0	5853.8	5573.5	5285.1	4955.8
-17.5°	7040.8	6879.9	6708.9	6552.1	6399.3	6229.7	6019.9	5789.9	5519.4	5221.4	4893.7
-20°	7036.9	6849.7	6673.5	6502.9	6342.8	6170.6	5954.0	5726.3	5442.0	5139.0	4813.3



REPORT NUMBER: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6965.1	6795.5	6617.2	6432.2	6274.8	6092.2	5880.1	5644.5	5341.6	5048.4	4711.0
-25°	6886.0	6714.7	6530.6	6358.5	6190.9	6009.4	5791.5	5524.4	5236.6	4931.7	4586.8
-27.5°	6792.6	6612.6	6422.3	6247.3	6070.2	5891.5	5666.3	5397.2	5120.1	4786.7	4452.0
-30°	6666.4	6480.6	6286.7	6086.4	5924.5	5742.4	5519.7	5258.3	4960.7	4631.6	4313.0
-32.5°	6495.1	6320.3	6126.4	5936.1	5767.0	5575.9	5351.0	5091.5	4779.2	4467.9	4136.5
-35°	6321.1	6140.0	5955.1	5775.9	5597.8	5397.7	5168.2	4885.7	4587.3	4278.9	3934.9
-37.5°	6122.3	5933.7	5760.0	5589.7	5406.0	5200.8	4947.6	4674.7	4383.7	4044.6	3717.3
-40°	5908.8	5727.1	5537.4	5369.0	5173.0	4966.1	4721.4	4456.1	4136.1	3801.0	3493.3
-42.5°	5655.2	5473.6	5278.3	5090.8	4900.4	4703.7	4482.6	4195.6	3878.5	3562.4	3242.8
-45°	5349.0	5167.3	4975.3	4782.0	4603.9	4412.7	4206.9	3901.0	3587.8	3286.5	2979.9
-47.5°	5004.4	4828.4	4643.1	4451.5	4282.1	4090.1	3839.5	3554.9	3277.7	2991.0	2677.1
-50°	4630.3	4462.7	4291.4	4113.6	3923.3	3706.7	3466.2	3217.9	2943.3	2649.1	2362.3
-52.5°	4221.4	4068.0	3906.3	3735.4	3538.9	3324.0	3098.7	2835.0	2561.1	2311.4	2050.6
-55°	3794.5	3643.2	3483.3	3312.6	3129.3	2916.8	2683.4	2443.6	2219.9	1989.0	1790.0
-57.5°	3322.4	3178.9	3026.6	2865.5	2696.3	2498.5	2293.8	2090.3	1913.2	1733.7	1553.1
-60°	2817.7	2683.8	2554.2	2411.3	2255.1	2084.9	1935.6	1785.5	1635.2	1491.9	1346.5
-62.5°	2328.9	2216.8	2100.3	1984.5	1865.7	1742.8	1619.1	1503.2	1384.7	1263.2	1156.2
-65°	1866.9	1781.6	1689.8	1609.5	1525.3	1436.4	1337.0	1246.1	1160.0	1071.0	980.0
-67.5°	1479.1	1418.2	1353.3	1290.0	1232.2	1170.8	1100.9	1027.4	959.2	893.3	826.3
-70°	1160.3	1120.0	1077.8	1031.6	985.6	939.2	887.8	833.8	779.0	729.6	682.4
-72.5°	890.6	862.7	830.7	797.5	762.0	730.4	695.3	658.8	621.7	584.3	548.6
-75°	689.1	668.9	647.0	622.1	592.1	556.5	530.1	512.3	489.9	462.7	432.9
-77.5°	545.0	530.3	514.6	493.4	471.4	448.7	426.3	404.3	382.5	361.9	343.0
-80°	401.0	394.0	385.3	367.8	350.2	332.7	316.0	302.5	289.8	275.8	258.5
-82.5°	235.4	234.5	232.1	222.2	212.4	202.7	193.2	183.7	173.7	163.1	152.5
-85°	76.0	80.2	83.6	85.3	86.2	86.5	86.0	83.5	80.6	77.3	73.7
-87.5°	16.6	16.7	16.8	17.4	18.0	18.5	18.9	19.9	20.7	21.3	21.8
-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: P645505 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
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°	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.7	0.8	0.8
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.5	1.6	1.6
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.4
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.9	2.3	2.7
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	2.0	2.4	2.8
75°	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.6	2.0	2.4	2.8
72.5°	1.5	1.5	1.5	1.7	1.9	2.0	1.8	1.7	2.1	2.4	2.8
70°	1.7	1.6	1.5	1.8	2.2	2.5	2.4	2.4	2.1	2.5	2.9
67.5°	2.3	2.3	2.1	2.1	2.2	2.6	3.0	3.5	3.4	2.6	2.9
65°	2.3	2.7	3.2	4.3	3.8	2.7	3.1	6.0	4.8	4.1	2.9
62.5°	5.1	2.8	9.7	13.0	7.3	5.7	4.6	13.4	8.4	5.7	4.1
60°	12.1	9.9	27.1	43.5	30.3	10.2	15.0	23.3	21.4	7.4	5.8
57.5°	112.9	38.8	56.2	81.3	79.9	43.3	31.6	42.2	36.3	20.9	8.2
55°	240.9	202.7	133.9	122.6	132.4	106.9	69.5	68.2	56.0	38.8	13.2
52.5°	330.5	344.9	300.2	209.7	182.6	174.0	135.9	99.0	87.9	58.3	33.7
50°	478.4	445.5	441.0	370.2	256.0	231.8	200.6	154.7	123.3	83.3	57.0
47.5°	675.8	593.6	550.1	518.3	408.5	295.4	263.1	211.5	162.4	120.0	81.3
45°	965.7	767.2	683.0	631.4	559.9	415.5	329.3	266.7	211.7	161.1	106.8
42.5°	1256.9	992.0	834.8	751.5	677.1	551.1	400.1	330.4	259.7	203.0	139.2
40°	1513.8	1223.7	994.4	887.2	792.1	682.0	514.6	398.6	306.8	246.0	175.9
37.5°	1823.2	1487.6	1178.0	1029.5	914.7	791.4	630.9	469.7	363.3	291.2	212.8
35°	2122.5	1829.2	1383.5	1201.3	1051.2	903.6	742.9	553.8	432.8	337.1	249.6
32.5°	2443.8	2150.4	1693.8	1393.3	1192.5	1018.2	847.5	656.1	502.7	383.6	286.3
30°	2696.9	2361.9	1966.2	1585.5	1346.2	1146.1	952.1	754.2	572.7	430.4	323.4
27.5°	2831.0	2544.9	2181.1	1799.6	1519.2	1277.3	1059.7	848.0	642.6	482.0	362.0
25°	2969.8	2673.8	2334.7	1986.8	1690.0	1416.1	1167.0	937.5	719.0	540.1	400.2
22.5°	3135.7	2783.4	2464.2	2135.1	1866.2	1556.9	1279.4	1028.0	795.4	597.0	437.7
20°	3302.3	2885.1	2592.1	2336.9	2039.1	1709.2	1397.0	1116.3	867.4	652.5	474.5
17.5°	3477.2	3069.9	2809.1	2533.9	2211.5	1856.7	1512.9	1201.8	935.0	706.2	510.2
15°	3781.6	3346.7	3027.7	2725.6	2382.9	1998.7	1625.9	1284.0	998.0	757.9	543.4
12.5°	4057.9	3604.2	3246.5	2911.0	2551.5	2134.0	1735.0	1362.2	1056.4	799.0	573.0
10°	4286.6	3843.1	3462.7	3088.9	2715.2	2261.8	1838.9	1426.0	1091.5	829.7	600.2
7.5°	4473.9	4063.9	3673.6	3258.2	2855.9	2345.3	1891.3	1463.1	1118.6	855.9	625.1
5°	4609.3	4211.2	3785.6	3317.2	2899.8	2379.6	1927.0	1493.4	1140.5	877.7	647.4
2.5°	4648.2	4256.5	3827.7	3349.5	2929.5	2401.8	1952.4	1516.5	1157.3	895.4	667.3
0°	4670.9	4286.3	3854.0	3369.3	2944.7	2412.4	1967.8	1532.4	1169.3	909.3	684.6
-2.5°	4702.6	4312.0	3879.4	3420.4	2954.8	2444.7	1976.5	1542.7	1184.4	914.3	694.7
-5°	4718.5	4322.0	3891.6	3454.7	2952.2	2463.9	1975.4	1546.0	1194.2	916.0	702.1
-7.5°	4711.5	4318.6	3892.1	3465.5	2938.9	2468.4	1964.7	1542.6	1198.2	914.7	706.7
-10°	4690.2	4301.1	3877.2	3437.7	2926.6	2451.0	1945.5	1532.8	1195.8	910.8	708.4
-12.5°	4657.9	4268.4	3846.8	3397.6	2900.9	2415.0	1923.0	1516.0	1186.2	904.5	707.2
-15°	4616.0	4220.8	3800.7	3346.8	2858.7	2367.1	1889.1	1491.6	1167.4	897.3	703.1
-17.5°	4562.2	4158.7	3738.5	3286.4	2799.4	2307.8	1843.7	1459.8	1143.9	888.6	694.6
-20°	4466.2	4075.3	3659.5	3217.8	2722.4	2237.6	1786.4	1420.6	1115.8	876.2	682.5

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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°	4358.3	3972.1	3561.0	3125.3	2629.6	2156.8	1717.1	1374.1	1083.6	860.0	668.0
-25°	4243.3	3855.9	3446.5	2997.2	2527.1	2071.5	1647.7	1320.2	1047.2	840.0	651.1
-27.5°	4108.1	3724.2	3316.8	2856.1	2408.1	1972.5	1581.2	1272.5	1012.0	816.2	631.9
-30°	3956.3	3569.4	3154.6	2705.6	2277.6	1857.9	1506.6	1221.6	982.2	790.1	610.6
-32.5°	3782.1	3398.8	2974.9	2551.5	2139.7	1736.4	1424.3	1167.1	947.8	762.5	590.8
-35°	3583.9	3200.4	2784.5	2386.0	1993.7	1638.2	1343.8	1109.3	908.8	732.7	570.0
-37.5°	3377.5	2987.5	2594.0	2213.2	1838.5	1531.9	1271.4	1052.2	865.2	700.7	547.0
-40°	3141.8	2768.3	2394.2	2035.3	1704.1	1417.8	1193.1	995.8	824.1	666.6	521.8
-42.5°	2899.0	2538.5	2185.7	1847.0	1571.5	1324.9	1111.0	935.1	780.6	633.7	494.6
-45°	2637.2	2295.8	1964.1	1688.3	1436.6	1226.5	1039.2	872.2	734.3	600.1	466.3
-47.5°	2361.0	2040.0	1762.6	1522.9	1321.9	1127.6	962.8	817.7	685.6	564.0	438.1
-50°	2068.5	1801.9	1577.0	1379.2	1198.2	1038.6	886.7	760.7	641.0	524.2	408.4
-52.5°	1809.2	1595.6	1409.6	1240.2	1089.2	945.0	821.1	702.3	595.0	486.0	377.5
-55°	1587.1	1412.0	1255.0	1114.1	981.1	864.7	753.0	650.4	547.8	447.8	346.1
-57.5°	1395.3	1242.3	1116.6	994.2	884.4	785.1	690.9	597.4	502.5	408.2	321.2
-60°	1211.0	1096.8	985.0	886.6	793.6	709.4	632.4	544.4	456.7	368.6	293.7
-62.5°	1051.9	954.4	869.8	784.0	706.8	638.2	573.4	492.5	409.7	332.0	263.8
-65°	902.7	827.8	755.8	687.3	623.3	565.1	512.7	439.3	362.6	293.1	232.7
-67.5°	761.0	704.6	648.0	590.6	540.2	493.1	448.3	382.0	313.4	252.3	201.9
-70°	634.5	586.2	542.0	499.3	458.4	419.1	376.9	320.9	261.9	215.7	170.3
-72.5°	515.0	479.7	442.9	407.9	377.7	343.2	304.3	260.7	219.3	178.4	138.1
-75°	404.4	381.1	355.2	327.4	299.2	268.4	242.7	212.2	176.1	140.4	111.3
-77.5°	323.5	300.9	274.9	252.7	233.8	212.8	189.4	162.9	134.3	109.2	86.0
-80°	238.7	221.3	206.6	193.8	176.4	157.1	137.8	118.5	97.6	78.2	60.2
-82.5°	145.6	141.8	137.7	131.8	117.2	103.0	89.0	75.2	60.4	46.7	38.7
-85°	72.8	71.3	69.1	66.0	57.1	48.4	44.3	40.2	35.2	30.4	25.8
-87.5°	23.9	25.7	27.2	28.2	26.2	24.2	22.2	20.1	17.7	15.2	12.9
-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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REPORT NUMBER: P645505 (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°	0.8	0.7	0.5	0.4	0.3	0.2	0.0
85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
82.5°	2.4	2.0	1.6	1.2	0.8	0.5	0.0
80°	3.1	2.7	2.1	1.6	1.1	0.7	0.0
77.5°	3.1	3.1	2.7	2.0	1.4	0.8	0.0
75°	3.1	3.2	3.1	2.4	1.6	1.0	0.0
72.5°	3.2	3.3	3.3	2.8	1.9	1.2	0.0
70°	3.3	3.4	3.4	3.1	2.2	1.3	0.0
67.5°	3.6	3.6	3.6	3.3	2.5	1.5	0.0
65°	4.2	4.1	3.7	3.4	2.7	1.7	0.0
62.5°	4.8	5.1	3.9	3.6	3.0	1.8	0.0
60°	5.7	6.2	4.0	3.7	3.3	2.0	0.0
57.5°	10.5	7.4	5.2	3.9	3.5	2.1	0.0
55°	16.8	8.7	6.5	4.1	3.6	2.3	0.0
52.5°	24.1	11.2	7.9	4.2	3.8	2.4	0.0
50°	32.4	19.1	9.3	4.4	4.0	2.6	0.0
47.5°	43.6	27.6	10.7	4.8	4.2	2.7	0.0
45°	65.8	36.7	12.3	6.0	4.4	2.9	0.0
42.5°	88.6	46.4	13.8	7.1	4.5	3.0	0.0
40°	111.8	56.6	18.6	8.6	4.7	3.2	0.0
37.5°	135.5	67.4	26.7	10.5	4.9	3.3	0.0
35°	159.6	83.8	34.8	12.5	5.1	3.4	0.0
32.5°	185.7	102.7	43.1	14.8	5.3	3.5	0.0
30°	215.5	121.6	51.4	17.2	5.5	3.7	0.0
27.5°	244.7	140.2	61.7	19.8	5.7	3.8	0.0
25°	273.3	158.5	72.2	22.6	5.9	3.9	0.0
22.5°	301.0	177.2	82.7	25.4	6.1	4.0	0.0
20°	327.7	197.2	93.1	28.4	6.3	4.1	0.0
17.5°	354.2	216.6	103.3	31.4	6.5	4.2	0.0
15°	379.7	235.2	113.3	34.4	6.7	4.3	0.0
12.5°	403.5	252.9	122.9	37.4	6.9	4.3	0.0
10°	425.5	269.7	132.2	40.3	7.1	4.4	0.0
7.5°	445.8	285.4	140.9	43.2	7.2	4.5	0.0
5°	464.3	299.8	149.0	45.9	7.4	4.5	0.0
2.5°	480.8	312.9	156.4	48.5	7.6	4.6	0.0
0°	495.4	324.6	163.1	50.8	7.7	4.6	0.0
-2.5°	502.6	332.0	169.3	54.1	8.9	4.9	0.0
-5°	507.9	337.8	174.6	57.1	10.1	5.1	0.0
-7.5°	511.3	342.1	178.9	59.9	11.2	5.4	0.0
-10°	512.9	344.8	182.2	62.2	12.3	5.6	0.0
-12.5°	512.6	345.9	184.3	64.2	13.4	5.8	0.0
-15°	510.6	345.4	185.4	65.8	14.4	6.0	0.0
-17.5°	506.8	343.3	185.3	66.9	15.3	6.2	0.0
-20°	501.0	339.7	183.9	67.6	16.2	6.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	492.7	334.5	181.3	67.8	16.9	6.4	0.0
-25°	482.4	326.5	177.5	67.5	17.6	6.5	0.0
-27.5°	470.1	316.4	172.3	66.7	18.2	6.6	0.0
-30°	455.9	305.0	165.8	65.3	18.7	6.6	0.0
-32.5°	439.9	292.3	158.3	63.4	19.0	6.7	0.0
-35°	422.5	278.2	149.9	60.9	19.3	6.7	0.0
-37.5°	403.8	264.0	140.7	57.9	19.4	6.6	0.0
-40°	383.6	251.2	130.6	54.3	19.4	6.6	0.0
-42.5°	362.1	237.5	123.0	50.4	19.3	6.5	0.0
-45°	339.2	222.9	117.8	46.4	19.1	6.3	0.0
-47.5°	315.0	207.4	111.6	41.9	18.7	6.2	0.0
-50°	294.8	191.1	104.6	40.4	18.3	6.0	0.0
-52.5°	274.6	174.1	96.6	39.6	17.7	5.8	0.0
-55°	253.5	161.2	87.8	38.4	17.0	5.5	0.0
-57.5°	231.7	148.1	78.1	36.7	16.2	5.3	0.0
-60°	209.6	133.7	67.9	34.6	15.2	5.0	0.0
-62.5°	189.4	118.3	63.1	32.2	14.3	4.6	0.0
-65°	167.7	101.8	57.6	29.3	13.3	4.3	0.0
-67.5°	144.6	88.0	51.5	26.2	12.2	3.9	0.0
-70°	120.3	77.0	44.7	22.7	11.0	3.5	0.0
-72.5°	101.8	65.2	37.5	20.0	9.8	3.1	0.0
-75°	83.2	52.6	29.9	17.4	8.5	2.7	0.0
-77.5°	63.7	39.5	24.7	14.6	7.2	2.3	0.0
-80°	43.4	30.1	19.9	11.8	5.8	1.8	0.0
-82.5°	31.9	22.7	15.1	8.9	4.4	1.4	0.0
-85°	21.4	15.2	10.1	6.0	2.9	0.9	0.0
-87.5°	10.7	7.6	5.1	3.0	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)