

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: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3B-727-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

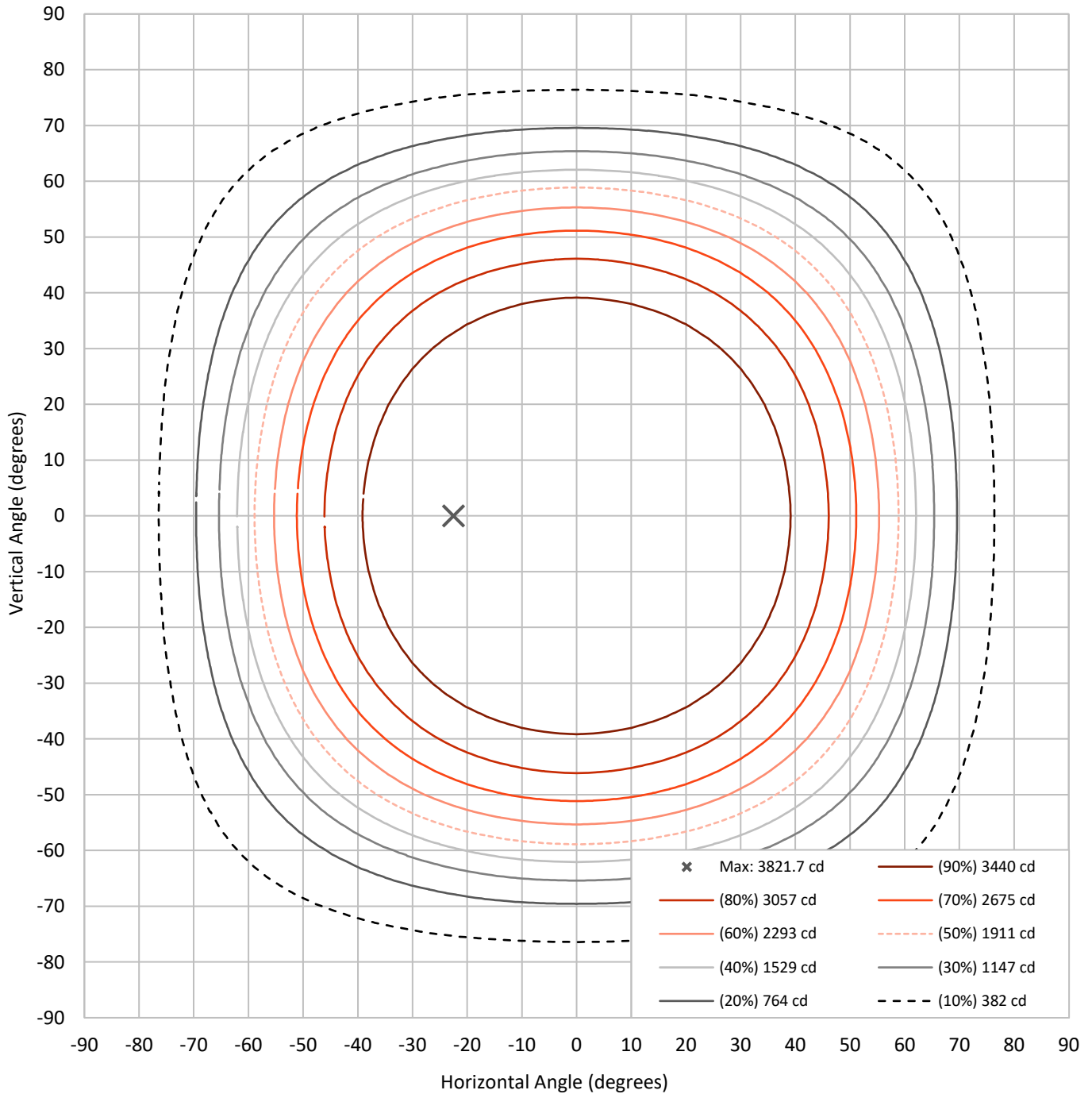
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11690.9 lumens	Max Intensity:	3821.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	124.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	9729.4 lumens	Field Lumens:	11460.9 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	93.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



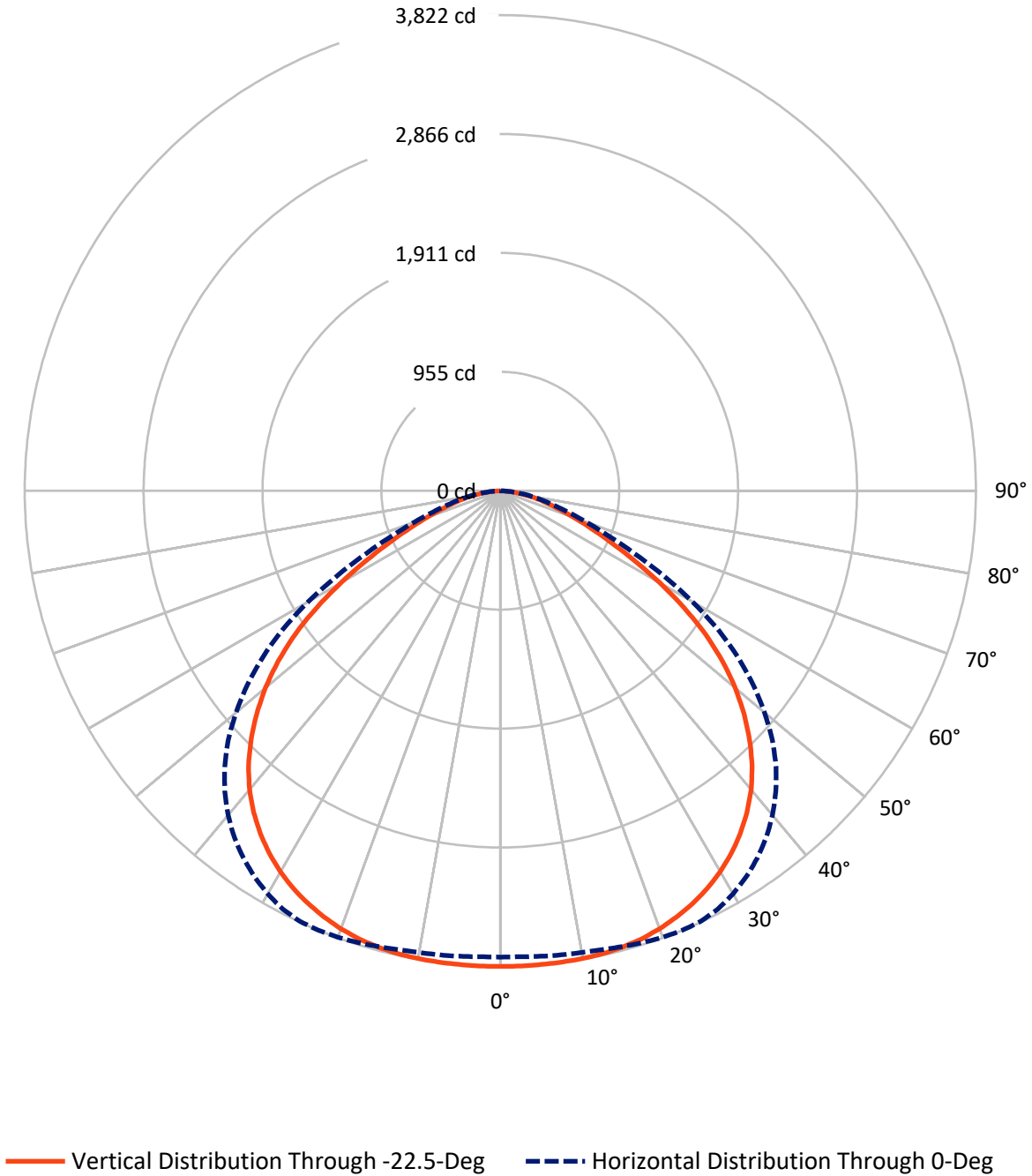
REPORT NUMBER: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

Iso-Candela Plot



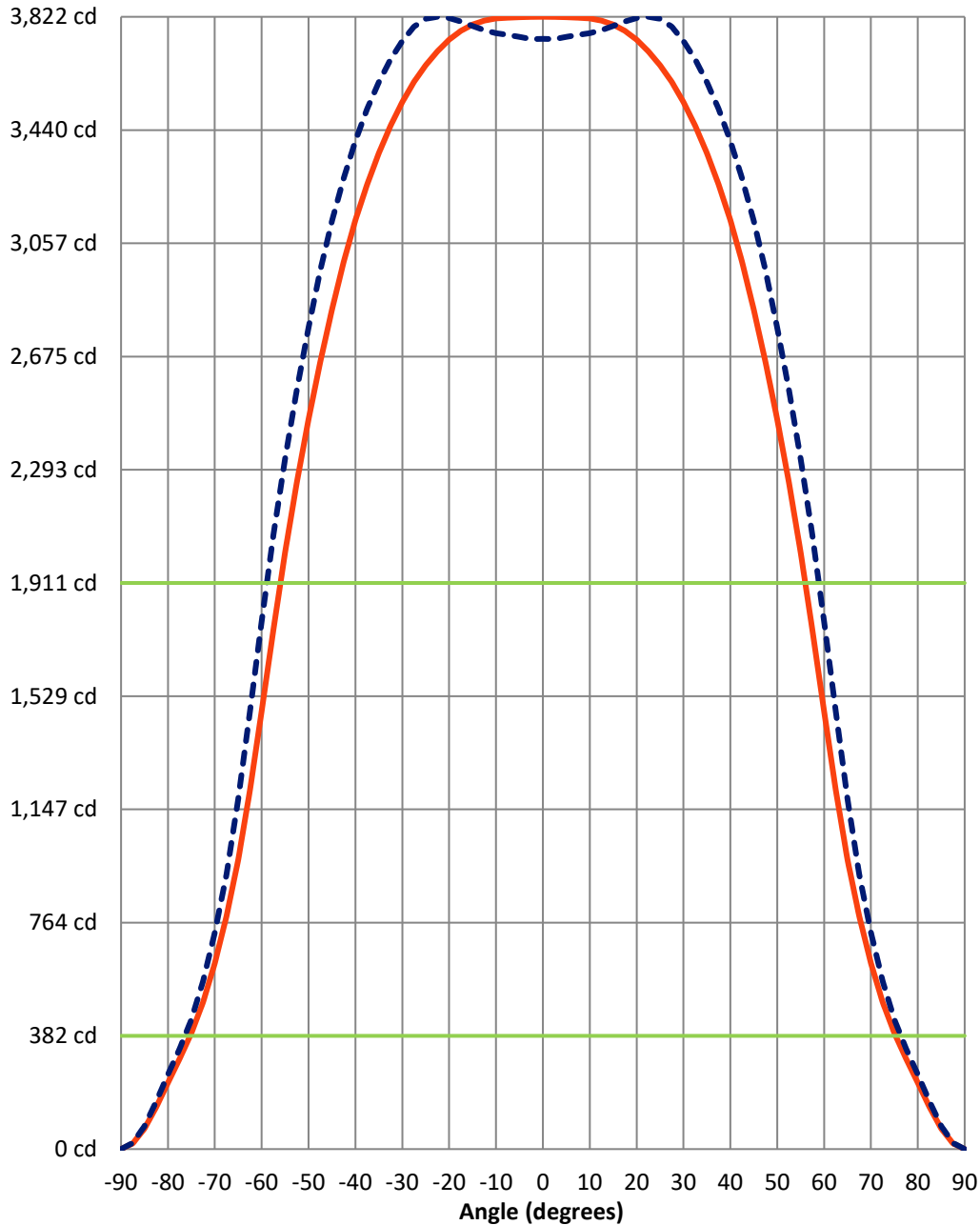
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 9729.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 11460.9
 Efficiency: 98.0%

Spill:
 Lumens: 229.9
 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	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.1	8.0	8.8
85°	0.0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.3	16.0	17.6
82.5°	0.0	2.7	5.4	8.2	10.9	13.5	16.2	18.8	22.2	29.2	36.0
80°	0.0	3.6	7.2	10.9	14.4	18.0	22.6	32.1	41.5	50.7	59.8
77.5°	0.0	4.5	9.0	13.5	18.0	25.1	37.1	48.9	60.6	72.1	86.0
75°	0.0	5.4	10.8	16.2	22.6	37.1	51.4	65.6	80.4	100.5	120.2
72.5°	0.0	6.3	12.6	18.8	32.1	48.9	65.6	84.0	107.7	131.1	154.0
70°	0.0	7.1	14.3	22.2	41.5	60.6	80.4	107.7	134.7	161.4	190.1
67.5°	0.0	8.0	16.0	29.2	50.7	72.1	100.5	131.1	161.4	194.2	226.5
65°	0.0	8.8	17.6	36.0	59.8	86.0	120.2	154.0	190.1	226.5	261.7
62.5°	0.0	9.6	19.3	42.6	68.7	102.2	139.5	178.1	218.4	257.9	295.3
60°	0.0	10.4	20.9	49.2	77.4	118.0	158.5	202.4	246.1	287.6	328.2
57.5°	0.0	11.2	25.1	55.5	89.5	133.4	178.6	226.1	272.2	316.6	363.4
55°	0.0	12.0	29.2	61.7	101.5	148.4	198.4	249.2	297.4	345.8	399.0
52.5°	0.0	12.7	33.2	67.7	113.2	163.2	217.6	270.8	321.9	377.1	433.8
50°	0.0	13.4	37.1	73.5	124.5	178.7	236.3	291.5	346.6	407.4	476.9
47.5°	0.0	14.1	40.8	79.8	135.3	193.7	254.1	311.6	372.6	436.7	519.8
45°	0.0	14.8	44.4	87.6	145.8	208.1	270.7	330.9	397.7	473.7	561.2
42.5°	0.0	15.4	47.9	95.1	155.8	221.9	286.5	350.9	421.8	509.4	609.9
40°	0.0	16.0	51.1	102.3	165.9	235.1	301.7	371.0	447.2	543.5	658.1
37.5°	0.0	16.6	54.2	109.1	175.9	247.6	316.0	390.1	476.0	578.4	704.0
35°	0.0	17.1	57.2	115.5	185.3	259.1	329.7	408.2	503.2	617.4	750.9
32.5°	0.0	17.6	59.9	121.5	194.2	269.7	343.0	425.2	528.9	654.2	800.2
30°	0.0	18.1	62.5	127.2	202.5	279.7	356.6	442.3	553.0	688.6	846.4
27.5°	0.0	18.5	64.9	132.4	210.2	288.9	369.2	461.8	577.5	720.6	889.4
25°	0.0	18.9	67.1	137.2	217.3	297.4	380.8	479.6	603.6	754.0	929.5
22.5°	0.0	19.3	69.1	141.6	223.7	305.1	391.4	496.0	627.3	786.3	976.5
20°	0.0	19.6	70.9	145.5	229.5	312.1	400.9	510.7	648.8	815.5	1018.8
17.5°	0.0	19.9	72.5	149.0	234.7	318.3	409.4	523.8	667.8	841.4	1056.5
15°	0.0	20.2	73.9	152.1	239.2	323.7	416.8	535.1	684.4	864.0	1089.4
12.5°	0.0	20.4	75.1	154.7	243.0	328.2	423.0	544.8	698.5	883.3	1117.4
10°	0.0	20.6	76.1	156.8	246.1	332.0	428.2	552.8	710.2	899.1	1140.4
7.5°	0.0	20.7	76.8	158.5	248.6	334.9	432.2	559.0	719.2	911.5	1158.4
5°	0.0	20.8	77.4	159.6	250.3	337.0	435.1	563.4	725.7	920.3	1171.3
2.5°	0.0	20.9	77.7	160.4	251.3	338.3	436.8	566.1	729.6	925.6	1179.0
0°	0.0	20.9	77.8	160.6	251.7	338.7	437.4	567.0	730.9	927.4	1181.6
-2.5°	0.0	20.9	77.7	160.4	251.3	338.3	436.8	566.1	729.6	925.6	1179.0
-5°	0.0	20.8	77.4	159.6	250.3	337.0	435.1	563.4	725.7	920.3	1171.3
-7.5°	0.0	20.7	76.8	158.5	248.6	334.9	432.2	559.0	719.2	911.5	1158.4
-10°	0.0	20.6	76.1	156.8	246.1	332.0	428.2	552.8	710.2	899.1	1140.4
-12.5°	0.0	20.4	75.1	154.7	243.0	328.2	423.0	544.8	698.5	883.3	1117.4
-15°	0.0	20.2	73.9	152.1	239.2	323.7	416.8	535.1	684.4	864.0	1089.4
-17.5°	0.0	19.9	72.5	149.0	234.7	318.3	409.4	523.8	667.8	841.4	1056.5
-20°	0.0	19.6	70.9	145.5	229.5	312.1	400.9	510.7	648.8	815.5	1018.8

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Scaled Data Report



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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	19.3	69.1	141.6	223.7	305.1	391.4	496.0	627.3	786.3	976.5
-25°	0.0	18.9	67.1	137.2	217.3	297.4	380.8	479.6	603.6	754.0	929.5
-27.5°	0.0	18.5	64.9	132.4	210.2	288.9	369.2	461.8	577.5	720.6	889.4
-30°	0.0	18.1	62.5	127.2	202.5	279.7	356.6	442.3	553.0	688.6	846.4
-32.5°	0.0	17.6	59.9	121.5	194.2	269.7	343.0	425.2	528.9	654.2	800.2
-35°	0.0	17.1	57.2	115.5	185.3	259.1	329.7	408.2	503.2	617.4	750.9
-37.5°	0.0	16.6	54.2	109.1	175.9	247.6	316.0	390.1	476.0	578.4	704.0
-40°	0.0	16.0	51.1	102.3	165.9	235.1	301.7	371.0	447.2	543.5	658.1
-42.5°	0.0	15.4	47.9	95.1	155.8	221.9	286.5	350.9	421.8	509.4	609.9
-45°	0.0	14.8	44.4	87.6	145.8	208.1	270.7	330.9	397.7	473.7	561.2
-47.5°	0.0	14.1	40.8	79.8	135.3	193.7	254.1	311.6	372.6	436.7	519.8
-50°	0.0	13.4	37.1	73.5	124.5	178.7	236.3	291.5	346.6	407.4	476.9
-52.5°	0.0	12.7	33.2	67.7	113.2	163.2	217.6	270.8	321.9	377.1	433.8
-55°	0.0	12.0	29.2	61.7	101.5	148.4	198.4	249.2	297.4	345.8	399.0
-57.5°	0.0	11.2	25.1	55.5	89.5	133.4	178.6	226.1	272.2	316.6	363.4
-60°	0.0	10.4	20.9	49.2	77.4	118.0	158.5	202.4	246.1	287.6	328.2
-62.5°	0.0	9.6	19.3	42.6	68.7	102.2	139.5	178.1	218.4	257.9	295.3
-65°	0.0	8.8	17.6	36.0	59.8	86.0	120.2	154.0	190.1	226.5	261.7
-67.5°	0.0	8.0	16.0	29.2	50.7	72.1	100.5	131.1	161.4	194.2	226.5
-70°	0.0	7.1	14.3	22.2	41.5	60.6	80.4	107.7	134.7	161.4	190.1
-72.5°	0.0	6.3	12.6	18.8	32.1	48.9	65.6	84.0	107.7	131.1	154.0
-75°	0.0	5.4	10.8	16.2	22.6	37.1	51.4	65.6	80.4	100.5	120.2
-77.5°	0.0	4.5	9.0	13.5	18.0	25.1	37.1	48.9	60.6	72.1	86.0
-80°	0.0	3.6	7.2	10.9	14.4	18.0	22.6	32.1	41.5	50.7	59.8
-82.5°	0.0	2.7	5.4	8.2	10.9	13.5	16.2	18.8	22.2	29.2	36.0
-85°	0.0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.3	16.0	17.6
-87.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.1	8.0	8.8
-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: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	10.4	11.2	12.0	12.7	13.4	14.1	14.8	15.4	16.0	16.6
85°	19.3	20.9	25.1	29.2	33.2	37.1	40.8	44.4	47.9	51.1	54.2
82.5°	42.6	49.2	55.5	61.7	67.7	73.5	79.8	87.6	95.1	102.3	109.1
80°	68.7	77.4	89.5	101.5	113.2	124.5	135.3	145.8	155.8	165.9	175.9
77.5°	102.2	118.0	133.4	148.4	163.2	178.7	193.7	208.1	221.9	235.1	247.6
75°	139.5	158.5	178.6	198.4	217.6	236.3	254.1	270.7	286.5	301.7	316.0
72.5°	178.1	202.4	226.1	249.2	270.8	291.5	311.6	330.9	350.9	371.0	390.1
70°	218.4	246.1	272.2	297.4	321.9	346.6	372.6	397.7	421.8	447.2	476.0
67.5°	257.9	287.6	316.6	345.8	377.1	407.4	436.7	473.7	509.4	543.5	578.4
65°	295.3	328.2	363.4	399.0	433.8	476.9	519.8	561.2	609.9	658.1	704.0
62.5°	332.1	372.2	412.3	456.0	506.1	554.9	611.4	669.1	724.6	787.1	848.0
60°	372.2	416.8	467.7	523.8	581.5	648.8	714.0	786.3	859.2	929.5	1015.9
57.5°	412.3	467.7	529.7	596.5	671.4	747.0	831.8	914.0	1012.5	1110.9	1208.9
55°	456.0	523.8	596.5	678.9	765.2	859.4	957.8	1072.5	1183.6	1307.3	1425.8
52.5°	506.1	581.5	671.4	765.2	868.6	981.9	1108.9	1240.3	1378.6	1512.9	1644.7
50°	554.9	648.8	747.0	859.4	981.9	1121.0	1268.8	1421.8	1572.8	1720.2	1858.2
47.5°	611.4	714.0	831.8	957.8	1108.9	1268.8	1436.2	1603.0	1765.9	1917.1	2061.9
45°	669.1	786.3	914.0	1072.5	1240.3	1421.8	1603.0	1781.2	1946.8	2103.0	2239.6
42.5°	724.6	859.2	1012.5	1183.6	1378.6	1572.8	1765.9	1946.8	2116.3	2266.7	2404.0
40°	787.1	929.5	1110.9	1307.3	1512.9	1720.2	1917.1	2103.0	2266.7	2416.5	2555.5
37.5°	848.0	1015.9	1208.9	1425.8	1644.7	1858.2	2061.9	2239.6	2404.0	2555.5	2688.8
35°	905.8	1098.0	1312.9	1540.6	1770.5	1987.5	2185.7	2366.7	2530.0	2677.0	2813.3
32.5°	970.0	1175.7	1411.4	1651.0	1885.1	2106.1	2302.5	2479.5	2642.0	2791.2	2926.6
30°	1036.3	1259.4	1504.9	1754.9	1992.7	2208.9	2405.0	2584.2	2745.3	2892.8	3025.5
27.5°	1098.0	1338.4	1594.1	1848.9	2091.1	2305.2	2498.7	2675.2	2837.3	2985.7	3114.3
25°	1155.1	1411.4	1676.6	1935.1	2173.8	2388.5	2583.7	2760.1	2921.2	3063.7	3188.7
22.5°	1211.4	1478.3	1752.2	2014.1	2249.8	2462.9	2656.4	2833.2	2994.4	3135.5	3255.5
20°	1266.1	1540.6	1819.0	2084.1	2318.8	2530.5	2722.6	2899.0	3055.9	3192.6	3312.0
17.5°	1314.8	1596.2	1877.4	2140.6	2375.5	2588.3	2781.1	2958.1	3111.2	3244.0	3360.8
15°	1357.3	1644.7	1928.5	2190.1	2424.3	2636.3	2829.1	3004.2	3156.2	3287.9	3403.9
12.5°	1393.6	1686.1	1972.0	2232.4	2466.0	2677.3	2870.2	3042.8	3192.3	3322.4	3435.7
10°	1423.4	1720.2	2007.9	2267.3	2500.5	2711.2	2904.1	3074.8	3222.3	3350.9	3462.3
7.5°	1446.7	1746.8	2036.0	2294.5	2527.4	2737.8	2930.8	3100.0	3245.9	3373.5	3483.3
5°	1463.4	1765.9	2056.1	2314.1	2546.8	2756.9	2950.0	3118.0	3262.8	3389.7	3498.4
2.5°	1473.4	1777.4	2068.3	2325.9	2558.4	2768.4	2961.5	3129.0	3273.1	3399.5	3507.5
0°	1476.8	1781.2	2072.3	2329.8	2562.3	2772.2	2965.4	3132.6	3276.5	3402.8	3510.6
-2.5°	1473.4	1777.4	2068.3	2325.9	2558.4	2768.4	2961.5	3129.0	3273.1	3399.5	3507.5
-5°	1463.4	1765.9	2056.1	2314.1	2546.8	2756.9	2950.0	3118.0	3262.8	3389.7	3498.4
-7.5°	1446.7	1746.8	2036.0	2294.5	2527.4	2737.8	2930.8	3100.0	3245.9	3373.5	3483.3
-10°	1423.4	1720.2	2007.9	2267.3	2500.5	2711.2	2904.1	3074.8	3222.3	3350.9	3462.3
-12.5°	1393.6	1686.1	1972.0	2232.4	2466.0	2677.3	2870.2	3042.8	3192.3	3322.4	3435.7
-15°	1357.3	1644.7	1928.5	2190.1	2424.3	2636.3	2829.1	3004.2	3156.2	3287.9	3403.9
-17.5°	1314.8	1596.2	1877.4	2140.6	2375.5	2588.3	2781.1	2958.1	3111.2	3244.0	3360.8
-20°	1266.1	1540.6	1819.0	2084.1	2318.8	2530.5	2722.6	2899.0	3055.9	3192.6	3312.0



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 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1211.4	1478.3	1752.2	2014.1	2249.8	2462.9	2656.4	2833.2	2994.4	3135.5	3255.5
-25°	1155.1	1411.4	1676.6	1935.1	2173.8	2388.5	2583.7	2760.1	2921.2	3063.7	3188.7
-27.5°	1098.0	1338.4	1594.1	1848.9	2091.1	2305.2	2498.7	2675.2	2837.3	2985.7	3114.3
-30°	1036.3	1259.4	1504.9	1754.9	1992.7	2208.9	2405.0	2584.2	2745.3	2892.8	3025.5
-32.5°	970.0	1175.7	1411.4	1651.0	1885.1	2106.1	2302.5	2479.5	2642.0	2791.2	2926.6
-35°	905.8	1098.0	1312.9	1540.6	1770.5	1987.5	2185.7	2366.7	2530.0	2677.0	2813.3
-37.5°	848.0	1015.9	1208.9	1425.8	1644.7	1858.2	2061.9	2239.6	2404.0	2555.5	2688.8
-40°	787.1	929.5	1110.9	1307.3	1512.9	1720.2	1917.1	2103.0	2266.7	2416.5	2555.5
-42.5°	724.6	859.2	1012.5	1183.6	1378.6	1572.8	1765.9	1946.8	2116.3	2266.7	2404.0
-45°	669.1	786.3	914.0	1072.5	1240.3	1421.8	1603.0	1781.2	1946.8	2103.0	2239.6
-47.5°	611.4	714.0	831.8	957.8	1108.9	1268.8	1436.2	1603.0	1765.9	1917.1	2061.9
-50°	554.9	648.8	747.0	859.4	981.9	1121.0	1268.8	1421.8	1572.8	1720.2	1858.2
-52.5°	506.1	581.5	671.4	765.2	868.6	981.9	1108.9	1240.3	1378.6	1512.9	1644.7
-55°	456.0	523.8	596.5	678.9	765.2	859.4	957.8	1072.5	1183.6	1307.3	1425.8
-57.5°	412.3	467.7	529.7	596.5	671.4	747.0	831.8	914.0	1012.5	1110.9	1208.9
-60°	372.2	416.8	467.7	523.8	581.5	648.8	714.0	786.3	859.2	929.5	1015.9
-62.5°	332.1	372.2	412.3	456.0	506.1	554.9	611.4	669.1	724.6	787.1	848.0
-65°	295.3	328.2	363.4	399.0	433.8	476.9	519.8	561.2	609.9	658.1	704.0
-67.5°	257.9	287.6	316.6	345.8	377.1	407.4	436.7	473.7	509.4	543.5	578.4
-70°	218.4	246.1	272.2	297.4	321.9	346.6	372.6	397.7	421.8	447.2	476.0
-72.5°	178.1	202.4	226.1	249.2	270.8	291.5	311.6	330.9	350.9	371.0	390.1
-75°	139.5	158.5	178.6	198.4	217.6	236.3	254.1	270.7	286.5	301.7	316.0
-77.5°	102.2	118.0	133.4	148.4	163.2	178.7	193.7	208.1	221.9	235.1	247.6
-80°	68.7	77.4	89.5	101.5	113.2	124.5	135.3	145.8	155.8	165.9	175.9
-82.5°	42.6	49.2	55.5	61.7	67.7	73.5	79.8	87.6	95.1	102.3	109.1
-85°	19.3	20.9	25.1	29.2	33.2	37.1	40.8	44.4	47.9	51.1	54.2
-87.5°	9.6	10.4	11.2	12.0	12.7	13.4	14.1	14.8	15.4	16.0	16.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.1	17.6	18.1	18.5	18.9	19.3	19.6	19.9	20.2	20.4	20.6
85°	57.2	59.9	62.5	64.9	67.1	69.1	70.9	72.5	73.9	75.1	76.1
82.5°	115.5	121.5	127.2	132.4	137.2	141.6	145.5	149.0	152.1	154.7	156.8
80°	185.3	194.2	202.5	210.2	217.3	223.7	229.5	234.7	239.2	243.0	246.1
77.5°	259.1	269.7	279.7	288.9	297.4	305.1	312.1	318.3	323.7	328.2	332.0
75°	329.7	343.0	356.6	369.2	380.8	391.4	400.9	409.4	416.8	423.0	428.2
72.5°	408.2	425.2	442.3	461.8	479.6	496.0	510.7	523.8	535.1	544.8	552.8
70°	503.2	528.9	553.0	577.5	603.6	627.3	648.8	667.8	684.4	698.5	710.2
67.5°	617.4	654.2	688.6	720.6	754.0	786.3	815.5	841.4	864.0	883.3	899.1
65°	750.9	800.2	846.4	889.4	929.5	976.5	1018.8	1056.5	1089.4	1117.4	1140.4
62.5°	905.8	970.0	1036.3	1098.0	1155.1	1211.4	1266.1	1314.8	1357.3	1393.6	1423.4
60°	1098.0	1175.7	1259.4	1338.4	1411.4	1478.3	1540.6	1596.2	1644.7	1686.1	1720.2
57.5°	1312.9	1411.4	1504.9	1594.1	1676.6	1752.2	1819.0	1877.4	1928.5	1972.0	2007.9
55°	1540.6	1651.0	1754.9	1848.9	1935.1	2014.1	2084.1	2140.6	2190.1	2232.4	2267.3
52.5°	1770.5	1885.1	1992.7	2091.1	2173.8	2249.8	2318.8	2375.5	2424.3	2466.0	2500.5
50°	1987.5	2106.1	2208.9	2305.2	2388.5	2462.9	2530.5	2588.3	2636.3	2677.3	2711.2
47.5°	2185.7	2302.5	2405.0	2498.7	2583.7	2656.4	2722.6	2781.1	2829.1	2870.2	2904.1
45°	2366.7	2479.5	2584.2	2675.2	2760.1	2833.2	2899.0	2958.1	3004.2	3042.8	3074.8
42.5°	2530.0	2642.0	2745.3	2837.3	2921.2	2994.4	3055.9	3111.2	3156.2	3192.3	3222.3
40°	2677.0	2791.2	2892.8	2985.7	3063.7	3135.5	3192.6	3244.0	3287.9	3322.4	3350.9
37.5°	2813.3	2926.6	3025.5	3114.3	3188.7	3255.5	3312.0	3360.8	3403.9	3435.7	3462.3
35°	2938.0	3045.6	3143.3	3224.8	3298.6	3361.5	3417.1	3462.1	3502.0	3532.5	3556.7
32.5°	3045.6	3152.3	3243.1	3323.3	3395.3	3454.0	3507.3	3548.5	3584.8	3614.1	3636.6
30°	3143.3	3243.1	3331.6	3411.0	3476.5	3533.7	3581.8	3622.0	3655.6	3683.5	3703.3
27.5°	3224.8	3323.3	3411.0	3484.1	3546.9	3602.0	3646.0	3684.7	3714.0	3739.7	3756.7
25°	3298.6	3395.3	3476.5	3546.9	3607.9	3658.2	3700.0	3735.1	3761.1	3783.1	3795.7
22.5°	3361.5	3454.0	3533.7	3602.0	3658.2	3705.1	3744.6	3774.3	3795.5	3808.8	3816.3
20°	3417.1	3507.3	3581.8	3646.0	3700.0	3744.6	3778.8	3800.7	3815.5	3819.2	3821.3
17.5°	3462.1	3548.5	3622.0	3684.7	3735.1	3774.3	3800.7	3816.2	3820.6	3819.8	3817.6
15°	3502.0	3584.8	3655.6	3714.0	3761.1	3795.5	3815.5	3820.6	3819.3	3814.8	3808.0
12.5°	3532.5	3614.1	3683.5	3739.7	3783.1	3808.8	3819.2	3819.8	3814.8	3806.3	3796.5
10°	3556.7	3636.6	3703.3	3756.7	3795.7	3816.3	3821.3	3817.6	3808.0	3796.5	3785.7
7.5°	3575.9	3654.5	3719.0	3770.3	3804.0	3818.6	3819.7	3812.8	3801.2	3788.2	3776.5
5°	3589.8	3667.4	3730.5	3780.2	3810.0	3820.3	3818.5	3809.0	3795.6	3782.0	3771.2
2.5°	3598.2	3675.3	3737.5	3786.3	3813.8	3821.3	3817.8	3806.6	3792.0	3778.0	3767.7
0°	3601.0	3677.9	3739.8	3788.3	3815.0	3821.7	3817.5	3805.8	3790.8	3776.6	3766.5
-2.5°	3598.2	3675.3	3737.5	3786.3	3813.8	3821.3	3817.8	3806.6	3792.0	3778.0	3767.7
-5°	3589.8	3667.4	3730.5	3780.2	3810.0	3820.3	3818.5	3809.0	3795.6	3782.0	3771.2
-7.5°	3575.9	3654.5	3719.0	3770.3	3804.0	3818.6	3819.7	3812.8	3801.2	3788.2	3776.5
-10°	3556.7	3636.6	3703.3	3756.7	3795.7	3816.3	3821.3	3817.6	3808.0	3796.5	3785.7
-12.5°	3532.5	3614.1	3683.5	3739.7	3783.1	3808.8	3819.2	3819.8	3814.8	3806.3	3796.5
-15°	3502.0	3584.8	3655.6	3714.0	3761.1	3795.5	3815.5	3820.6	3819.3	3814.8	3808.0
-17.5°	3462.1	3548.5	3622.0	3684.7	3735.1	3774.3	3800.7	3816.2	3820.6	3819.8	3817.6
-20°	3417.1	3507.3	3581.8	3646.0	3700.0	3744.6	3778.8	3800.7	3815.5	3819.2	3821.3



REPORT NUMBER: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3361.5	3454.0	3533.7	3602.0	3658.2	3705.1	3744.6	3774.3	3795.5	3808.8	3816.3
-25°	3298.6	3395.3	3476.5	3546.9	3607.9	3658.2	3700.0	3735.1	3761.1	3783.1	3795.7
-27.5°	3224.8	3323.3	3411.0	3484.1	3546.9	3602.0	3646.0	3684.7	3714.0	3739.7	3756.7
-30°	3143.3	3243.1	3331.6	3411.0	3476.5	3533.7	3581.8	3622.0	3655.6	3683.5	3703.3
-32.5°	3045.6	3152.3	3243.1	3323.3	3395.3	3454.0	3507.3	3548.5	3584.8	3614.1	3636.6
-35°	2938.0	3045.6	3143.3	3224.8	3298.6	3361.5	3417.1	3462.1	3502.0	3532.5	3556.7
-37.5°	2813.3	2926.6	3025.5	3114.3	3188.7	3255.5	3312.0	3360.8	3403.9	3435.7	3462.3
-40°	2677.0	2791.2	2892.8	2985.7	3063.7	3135.5	3192.6	3244.0	3287.9	3322.4	3350.9
-42.5°	2530.0	2642.0	2745.3	2837.3	2921.2	2994.4	3055.9	3111.2	3156.2	3192.3	3222.3
-45°	2366.7	2479.5	2584.2	2675.2	2760.1	2833.2	2899.0	2958.1	3004.2	3042.8	3074.8
-47.5°	2185.7	2302.5	2405.0	2498.7	2583.7	2656.4	2722.6	2781.1	2829.1	2870.2	2904.1
-50°	1987.5	2106.1	2208.9	2305.2	2388.5	2462.9	2530.5	2588.3	2636.3	2677.3	2711.2
-52.5°	1770.5	1885.1	1992.7	2091.1	2173.8	2249.8	2318.8	2375.5	2424.3	2466.0	2500.5
-55°	1540.6	1651.0	1754.9	1848.9	1935.1	2014.1	2084.1	2140.6	2190.1	2232.4	2267.3
-57.5°	1312.9	1411.4	1504.9	1594.1	1676.6	1752.2	1819.0	1877.4	1928.5	1972.0	2007.9
-60°	1098.0	1175.7	1259.4	1338.4	1411.4	1478.3	1540.6	1596.2	1644.7	1686.1	1720.2
-62.5°	905.8	970.0	1036.3	1098.0	1155.1	1211.4	1266.1	1314.8	1357.3	1393.6	1423.4
-65°	750.9	800.2	846.4	889.4	929.5	976.5	1018.8	1056.5	1089.4	1117.4	1140.4
-67.5°	617.4	654.2	688.6	720.6	754.0	786.3	815.5	841.4	864.0	883.3	899.1
-70°	503.2	528.9	553.0	577.5	603.6	627.3	648.8	667.8	684.4	698.5	710.2
-72.5°	408.2	425.2	442.3	461.8	479.6	496.0	510.7	523.8	535.1	544.8	552.8
-75°	329.7	343.0	356.6	369.2	380.8	391.4	400.9	409.4	416.8	423.0	428.2
-77.5°	259.1	269.7	279.7	288.9	297.4	305.1	312.1	318.3	323.7	328.2	332.0
-80°	185.3	194.2	202.5	210.2	217.3	223.7	229.5	234.7	239.2	243.0	246.1
-82.5°	115.5	121.5	127.2	132.4	137.2	141.6	145.5	149.0	152.1	154.7	156.8
-85°	57.2	59.9	62.5	64.9	67.1	69.1	70.9	72.5	73.9	75.1	76.1
-87.5°	17.1	17.6	18.1	18.5	18.9	19.3	19.6	19.9	20.2	20.4	20.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.7	20.8	20.9	20.9	20.9	20.8	20.7	20.6	20.4	20.2	19.9
85°	76.8	77.4	77.7	77.8	77.7	77.4	76.8	76.1	75.1	73.9	72.5
82.5°	158.5	159.6	160.4	160.6	160.4	159.6	158.5	156.8	154.7	152.1	149.0
80°	248.6	250.3	251.3	251.7	251.3	250.3	248.6	246.1	243.0	239.2	234.7
77.5°	334.9	337.0	338.3	338.7	338.3	337.0	334.9	332.0	328.2	323.7	318.3
75°	432.2	435.1	436.8	437.4	436.8	435.1	432.2	428.2	423.0	416.8	409.4
72.5°	559.0	563.4	566.1	567.0	566.1	563.4	559.0	552.8	544.8	535.1	523.8
70°	719.2	725.7	729.6	730.9	729.6	725.7	719.2	710.2	698.5	684.4	667.8
67.5°	911.5	920.3	925.6	927.4	925.6	920.3	911.5	899.1	883.3	864.0	841.4
65°	1158.4	1171.3	1179.0	1181.6	1179.0	1171.3	1158.4	1140.4	1117.4	1089.4	1056.5
62.5°	1446.7	1463.4	1473.4	1476.8	1473.4	1463.4	1446.7	1423.4	1393.6	1357.3	1314.8
60°	1746.8	1765.9	1777.4	1781.2	1777.4	1765.9	1746.8	1720.2	1686.1	1644.7	1596.2
57.5°	2036.0	2056.1	2068.3	2072.3	2068.3	2056.1	2036.0	2007.9	1972.0	1928.5	1877.4
55°	2294.5	2314.1	2325.9	2329.8	2325.9	2314.1	2294.5	2267.3	2232.4	2190.1	2140.6
52.5°	2527.4	2546.8	2558.4	2562.3	2558.4	2546.8	2527.4	2500.5	2466.0	2424.3	2375.5
50°	2737.8	2756.9	2768.4	2772.2	2768.4	2756.9	2737.8	2711.2	2677.3	2636.3	2588.3
47.5°	2930.8	2950.0	2961.5	2965.4	2961.5	2950.0	2930.8	2904.1	2870.2	2829.1	2781.1
45°	3100.0	3118.0	3129.0	3132.6	3129.0	3118.0	3100.0	3074.8	3042.8	3004.2	2958.1
42.5°	3245.9	3262.8	3273.1	3276.5	3273.1	3262.8	3245.9	3222.3	3192.3	3156.2	3111.2
40°	3373.5	3389.7	3399.5	3402.8	3399.5	3389.7	3373.5	3350.9	3322.4	3287.9	3244.0
37.5°	3483.3	3498.4	3507.5	3510.6	3507.5	3498.4	3483.3	3462.3	3435.7	3403.9	3360.8
35°	3575.9	3589.8	3598.2	3601.0	3598.2	3589.8	3575.9	3556.7	3532.5	3502.0	3462.1
32.5°	3654.5	3667.4	3675.3	3677.9	3675.3	3667.4	3654.5	3636.6	3614.1	3584.8	3548.5
30°	3719.0	3730.5	3737.5	3739.8	3737.5	3730.5	3719.0	3703.3	3683.5	3655.6	3622.0
27.5°	3770.3	3780.2	3786.3	3788.3	3786.3	3780.2	3770.3	3756.7	3739.7	3714.0	3684.7
25°	3804.0	3810.0	3813.8	3815.0	3813.8	3810.0	3804.0	3795.7	3783.1	3761.1	3735.1
22.5°	3818.6	3820.3	3821.3	3821.7	3821.3	3820.3	3818.6	3816.3	3808.8	3795.5	3774.3
20°	3819.7	3818.5	3817.8	3817.5	3817.8	3818.5	3819.7	3821.3	3819.2	3815.5	3800.7
17.5°	3812.8	3809.0	3806.6	3805.8	3806.6	3809.0	3812.8	3817.6	3819.8	3820.6	3816.2
15°	3801.2	3795.6	3792.0	3790.8	3792.0	3795.6	3801.2	3808.0	3814.8	3819.3	3820.6
12.5°	3788.2	3782.0	3778.0	3776.6	3778.0	3782.0	3788.2	3796.5	3806.3	3814.8	3819.8
10°	3776.5	3771.2	3767.7	3766.5	3767.7	3771.2	3776.5	3785.7	3796.5	3808.0	3817.6
7.5°	3768.9	3764.2	3761.6	3760.7	3761.6	3764.2	3768.9	3776.5	3788.2	3801.2	3812.8
5°	3764.2	3759.5	3755.6	3754.0	3755.6	3759.5	3764.2	3771.2	3782.0	3795.6	3809.0
2.5°	3761.6	3755.6	3749.6	3746.5	3749.6	3755.6	3761.6	3767.7	3778.0	3792.0	3806.6
0°	3760.7	3754.0	3746.5	3747.3	3746.5	3754.0	3760.7	3766.5	3776.6	3790.8	3805.8
-2.5°	3761.6	3755.6	3749.6	3746.5	3749.6	3755.6	3761.6	3767.7	3778.0	3792.0	3806.6
-5°	3764.2	3759.5	3755.6	3754.0	3755.6	3759.5	3764.2	3771.2	3782.0	3795.6	3809.0
-7.5°	3768.9	3764.2	3761.6	3760.7	3761.6	3764.2	3768.9	3776.5	3788.2	3801.2	3812.8
-10°	3776.5	3771.2	3767.7	3766.5	3767.7	3771.2	3776.5	3785.7	3796.5	3808.0	3817.6
-12.5°	3788.2	3782.0	3778.0	3776.6	3778.0	3782.0	3788.2	3796.5	3806.3	3814.8	3819.8
-15°	3801.2	3795.6	3792.0	3790.8	3792.0	3795.6	3801.2	3808.0	3814.8	3819.3	3820.6
-17.5°	3812.8	3809.0	3806.6	3805.8	3806.6	3809.0	3812.8	3817.6	3819.8	3820.6	3816.2
-20°	3819.7	3818.5	3817.8	3817.5	3817.8	3818.5	3819.7	3821.3	3819.2	3815.5	3800.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3818.6	3820.3	3821.3	3821.7	3821.3	3820.3	3818.6	3816.3	3808.8	3795.5	3774.3
-25°	3804.0	3810.0	3813.8	3815.0	3813.8	3810.0	3804.0	3795.7	3783.1	3761.1	3735.1
-27.5°	3770.3	3780.2	3786.3	3788.3	3786.3	3780.2	3770.3	3756.7	3739.7	3714.0	3684.7
-30°	3719.0	3730.5	3737.5	3739.8	3737.5	3730.5	3719.0	3703.3	3683.5	3655.6	3622.0
-32.5°	3654.5	3667.4	3675.3	3677.9	3675.3	3667.4	3654.5	3636.6	3614.1	3584.8	3548.5
-35°	3575.9	3589.8	3598.2	3601.0	3598.2	3589.8	3575.9	3556.7	3532.5	3502.0	3462.1
-37.5°	3483.3	3498.4	3507.5	3510.6	3507.5	3498.4	3483.3	3462.3	3435.7	3403.9	3360.8
-40°	3373.5	3389.7	3399.5	3402.8	3399.5	3389.7	3373.5	3350.9	3322.4	3287.9	3244.0
-42.5°	3245.9	3262.8	3273.1	3276.5	3273.1	3262.8	3245.9	3222.3	3192.3	3156.2	3111.2
-45°	3100.0	3118.0	3129.0	3132.6	3129.0	3118.0	3100.0	3074.8	3042.8	3004.2	2958.1
-47.5°	2930.8	2950.0	2961.5	2965.4	2961.5	2950.0	2930.8	2904.1	2870.2	2829.1	2781.1
-50°	2737.8	2756.9	2768.4	2772.2	2768.4	2756.9	2737.8	2711.2	2677.3	2636.3	2588.3
-52.5°	2527.4	2546.8	2558.4	2562.3	2558.4	2546.8	2527.4	2500.5	2466.0	2424.3	2375.5
-55°	2294.5	2314.1	2325.9	2329.8	2325.9	2314.1	2294.5	2267.3	2232.4	2190.1	2140.6
-57.5°	2036.0	2056.1	2068.3	2072.3	2068.3	2056.1	2036.0	2007.9	1972.0	1928.5	1877.4
-60°	1746.8	1765.9	1777.4	1781.2	1777.4	1765.9	1746.8	1720.2	1686.1	1644.7	1596.2
-62.5°	1446.7	1463.4	1473.4	1476.8	1473.4	1463.4	1446.7	1423.4	1393.6	1357.3	1314.8
-65°	1158.4	1171.3	1179.0	1181.6	1179.0	1171.3	1158.4	1140.4	1117.4	1089.4	1056.5
-67.5°	911.5	920.3	925.6	927.4	925.6	920.3	911.5	899.1	883.3	864.0	841.4
-70°	719.2	725.7	729.6	730.9	729.6	725.7	719.2	710.2	698.5	684.4	667.8
-72.5°	559.0	563.4	566.1	567.0	566.1	563.4	559.0	552.8	544.8	535.1	523.8
-75°	432.2	435.1	436.8	437.4	436.8	435.1	432.2	428.2	423.0	416.8	409.4
-77.5°	334.9	337.0	338.3	338.7	338.3	337.0	334.9	332.0	328.2	323.7	318.3
-80°	248.6	250.3	251.3	251.7	251.3	250.3	248.6	246.1	243.0	239.2	234.7
-82.5°	158.5	159.6	160.4	160.6	160.4	159.6	158.5	156.8	154.7	152.1	149.0
-85°	76.8	77.4	77.7	77.8	77.7	77.4	76.8	76.1	75.1	73.9	72.5
-87.5°	20.7	20.8	20.9	20.9	20.9	20.8	20.7	20.6	20.4	20.2	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: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.6	19.3	18.9	18.5	18.1	17.6	17.1	16.6	16.0	15.4	14.8
85°	70.9	69.1	67.1	64.9	62.5	59.9	57.2	54.2	51.1	47.9	44.4
82.5°	145.5	141.6	137.2	132.4	127.2	121.5	115.5	109.1	102.3	95.1	87.6
80°	229.5	223.7	217.3	210.2	202.5	194.2	185.3	175.9	165.9	155.8	145.8
77.5°	312.1	305.1	297.4	288.9	279.7	269.7	259.1	247.6	235.1	221.9	208.1
75°	400.9	391.4	380.8	369.2	356.6	343.0	329.7	316.0	301.7	286.5	270.7
72.5°	510.7	496.0	479.6	461.8	442.3	425.2	408.2	390.1	371.0	350.9	330.9
70°	648.8	627.3	603.6	577.5	553.0	528.9	503.2	476.0	447.2	421.8	397.7
67.5°	815.5	786.3	754.0	720.6	688.6	654.2	617.4	578.4	543.5	509.4	473.7
65°	1018.8	976.5	929.5	889.4	846.4	800.2	750.9	704.0	658.1	609.9	561.2
62.5°	1266.1	1211.4	1155.1	1098.0	1036.3	970.0	905.8	848.0	787.1	724.6	669.1
60°	1540.6	1478.3	1411.4	1338.4	1259.4	1175.7	1098.0	1015.9	929.5	859.2	786.3
57.5°	1819.0	1752.2	1676.6	1594.1	1504.9	1411.4	1312.9	1208.9	1110.9	1012.5	914.0
55°	2084.1	2014.1	1935.1	1848.9	1754.9	1651.0	1540.6	1425.8	1307.3	1183.6	1072.5
52.5°	2318.8	2249.8	2173.8	2091.1	1992.7	1885.1	1770.5	1644.7	1512.9	1378.6	1240.3
50°	2530.5	2462.9	2388.5	2305.2	2208.9	2106.1	1987.5	1858.2	1720.2	1572.8	1421.8
47.5°	2722.6	2656.4	2583.7	2498.7	2405.0	2302.5	2185.7	2061.9	1917.1	1765.9	1603.0
45°	2899.0	2833.2	2760.1	2675.2	2584.2	2479.5	2366.7	2239.6	2103.0	1946.8	1781.2
42.5°	3055.9	2994.4	2921.2	2837.3	2745.3	2642.0	2530.0	2404.0	2266.7	2116.3	1946.8
40°	3192.6	3135.5	3063.7	2985.7	2892.8	2791.2	2677.0	2555.5	2416.5	2266.7	2103.0
37.5°	3312.0	3255.5	3188.7	3114.3	3025.5	2926.6	2813.3	2688.8	2555.5	2404.0	2239.6
35°	3417.1	3361.5	3298.6	3224.8	3143.3	3045.6	2938.0	2813.3	2677.0	2530.0	2366.7
32.5°	3507.3	3454.0	3395.3	3323.3	3243.1	3152.3	3045.6	2926.6	2791.2	2642.0	2479.5
30°	3581.8	3533.7	3476.5	3411.0	3331.6	3243.1	3143.3	3025.5	2892.8	2745.3	2584.2
27.5°	3646.0	3602.0	3546.9	3484.1	3411.0	3323.3	3224.8	3114.3	2985.7	2837.3	2675.2
25°	3700.0	3658.2	3607.9	3546.9	3476.5	3395.3	3298.6	3188.7	3063.7	2921.2	2760.1
22.5°	3744.6	3705.1	3658.2	3602.0	3533.7	3454.0	3361.5	3255.5	3135.5	2994.4	2833.2
20°	3778.8	3744.6	3700.0	3646.0	3581.8	3507.3	3417.1	3312.0	3192.6	3055.9	2899.0
17.5°	3800.7	3774.3	3735.1	3684.7	3622.0	3548.5	3462.1	3360.8	3244.0	3111.2	2958.1
15°	3815.5	3795.5	3761.1	3714.0	3655.6	3584.8	3502.0	3403.9	3287.9	3156.2	3004.2
12.5°	3819.2	3808.8	3783.1	3739.7	3683.5	3614.1	3532.5	3435.7	3322.4	3192.3	3042.8
10°	3821.3	3816.3	3795.7	3756.7	3703.3	3636.6	3556.7	3462.3	3350.9	3222.3	3074.8
7.5°	3819.7	3818.6	3804.0	3770.3	3719.0	3654.5	3575.9	3483.3	3373.5	3245.9	3100.0
5°	3818.5	3820.3	3810.0	3780.2	3730.5	3667.4	3589.8	3498.4	3389.7	3262.8	3118.0
2.5°	3817.8	3821.3	3813.8	3786.3	3737.5	3675.3	3598.2	3507.5	3399.5	3273.1	3129.0
0°	3817.5	3821.7	3815.0	3788.3	3739.8	3677.9	3601.0	3510.6	3402.8	3276.5	3132.6
-2.5°	3817.8	3821.3	3813.8	3786.3	3737.5	3675.3	3598.2	3507.5	3399.5	3273.1	3129.0
-5°	3818.5	3820.3	3810.0	3780.2	3730.5	3667.4	3589.8	3498.4	3389.7	3262.8	3118.0
-7.5°	3819.7	3818.6	3804.0	3770.3	3719.0	3654.5	3575.9	3483.3	3373.5	3245.9	3100.0
-10°	3821.3	3816.3	3795.7	3756.7	3703.3	3636.6	3556.7	3462.3	3350.9	3222.3	3074.8
-12.5°	3819.2	3808.8	3783.1	3739.7	3683.5	3614.1	3532.5	3435.7	3322.4	3192.3	3042.8
-15°	3815.5	3795.5	3761.1	3714.0	3655.6	3584.8	3502.0	3403.9	3287.9	3156.2	3004.2
-17.5°	3800.7	3774.3	3735.1	3684.7	3622.0	3548.5	3462.1	3360.8	3244.0	3111.2	2958.1
-20°	3778.8	3744.6	3700.0	3646.0	3581.8	3507.3	3417.1	3312.0	3192.6	3055.9	2899.0



REPORT NUMBER: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3744.6	3705.1	3658.2	3602.0	3533.7	3454.0	3361.5	3255.5	3135.5	2994.4	2833.2
-25°	3700.0	3658.2	3607.9	3546.9	3476.5	3395.3	3298.6	3188.7	3063.7	2921.2	2760.1
-27.5°	3646.0	3602.0	3546.9	3484.1	3411.0	3323.3	3224.8	3114.3	2985.7	2837.3	2675.2
-30°	3581.8	3533.7	3476.5	3411.0	3331.6	3243.1	3143.3	3025.5	2892.8	2745.3	2584.2
-32.5°	3507.3	3454.0	3395.3	3323.3	3243.1	3152.3	3045.6	2926.6	2791.2	2642.0	2479.5
-35°	3417.1	3361.5	3298.6	3224.8	3143.3	3045.6	2938.0	2813.3	2677.0	2530.0	2366.7
-37.5°	3312.0	3255.5	3188.7	3114.3	3025.5	2926.6	2813.3	2688.8	2555.5	2404.0	2239.6
-40°	3192.6	3135.5	3063.7	2985.7	2892.8	2791.2	2677.0	2555.5	2416.5	2266.7	2103.0
-42.5°	3055.9	2994.4	2921.2	2837.3	2745.3	2642.0	2530.0	2404.0	2266.7	2116.3	1946.8
-45°	2899.0	2833.2	2760.1	2675.2	2584.2	2479.5	2366.7	2239.6	2103.0	1946.8	1781.2
-47.5°	2722.6	2656.4	2583.7	2498.7	2405.0	2302.5	2185.7	2061.9	1917.1	1765.9	1603.0
-50°	2530.5	2462.9	2388.5	2305.2	2208.9	2106.1	1987.5	1858.2	1720.2	1572.8	1421.8
-52.5°	2318.8	2249.8	2173.8	2091.1	1992.7	1885.1	1770.5	1644.7	1512.9	1378.6	1240.3
-55°	2084.1	2014.1	1935.1	1848.9	1754.9	1651.0	1540.6	1425.8	1307.3	1183.6	1072.5
-57.5°	1819.0	1752.2	1676.6	1594.1	1504.9	1411.4	1312.9	1208.9	1110.9	1012.5	914.0
-60°	1540.6	1478.3	1411.4	1338.4	1259.4	1175.7	1098.0	1015.9	929.5	859.2	786.3
-62.5°	1266.1	1211.4	1155.1	1098.0	1036.3	970.0	905.8	848.0	787.1	724.6	669.1
-65°	1018.8	976.5	929.5	889.4	846.4	800.2	750.9	704.0	658.1	609.9	561.2
-67.5°	815.5	786.3	754.0	720.6	688.6	654.2	617.4	578.4	543.5	509.4	473.7
-70°	648.8	627.3	603.6	577.5	553.0	528.9	503.2	476.0	447.2	421.8	397.7
-72.5°	510.7	496.0	479.6	461.8	442.3	425.2	408.2	390.1	371.0	350.9	330.9
-75°	400.9	391.4	380.8	369.2	356.6	343.0	329.7	316.0	301.7	286.5	270.7
-77.5°	312.1	305.1	297.4	288.9	279.7	269.7	259.1	247.6	235.1	221.9	208.1
-80°	229.5	223.7	217.3	210.2	202.5	194.2	185.3	175.9	165.9	155.8	145.8
-82.5°	145.5	141.6	137.2	132.4	127.2	121.5	115.5	109.1	102.3	95.1	87.6
-85°	70.9	69.1	67.1	64.9	62.5	59.9	57.2	54.2	51.1	47.9	44.4
-87.5°	19.6	19.3	18.9	18.5	18.1	17.6	17.1	16.6	16.0	15.4	14.8
-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: P645406 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.1	13.4	12.7	12.0	11.2	10.4	9.6	8.8	8.0	7.1	6.3
85°	40.8	37.1	33.2	29.2	25.1	20.9	19.3	17.6	16.0	14.3	12.6
82.5°	79.8	73.5	67.7	61.7	55.5	49.2	42.6	36.0	29.2	22.2	18.8
80°	135.3	124.5	113.2	101.5	89.5	77.4	68.7	59.8	50.7	41.5	32.1
77.5°	193.7	178.7	163.2	148.4	133.4	118.0	102.2	86.0	72.1	60.6	48.9
75°	254.1	236.3	217.6	198.4	178.6	158.5	139.5	120.2	100.5	80.4	65.6
72.5°	311.6	291.5	270.8	249.2	226.1	202.4	178.1	154.0	131.1	107.7	84.0
70°	372.6	346.6	321.9	297.4	272.2	246.1	218.4	190.1	161.4	134.7	107.7
67.5°	436.7	407.4	377.1	345.8	316.6	287.6	257.9	226.5	194.2	161.4	131.1
65°	519.8	476.9	433.8	399.0	363.4	328.2	295.3	261.7	226.5	190.1	154.0
62.5°	611.4	554.9	506.1	456.0	412.3	372.2	332.1	295.3	257.9	218.4	178.1
60°	714.0	648.8	581.5	523.8	467.7	416.8	372.2	328.2	287.6	246.1	202.4
57.5°	831.8	747.0	671.4	596.5	529.7	467.7	412.3	363.4	316.6	272.2	226.1
55°	957.8	859.4	765.2	678.9	596.5	523.8	456.0	399.0	345.8	297.4	249.2
52.5°	1108.9	981.9	868.6	765.2	671.4	581.5	506.1	433.8	377.1	321.9	270.8
50°	1268.8	1121.0	981.9	859.4	747.0	648.8	554.9	476.9	407.4	346.6	291.5
47.5°	1436.2	1268.8	1108.9	957.8	831.8	714.0	611.4	519.8	436.7	372.6	311.6
45°	1603.0	1421.8	1240.3	1072.5	914.0	786.3	669.1	561.2	473.7	397.7	330.9
42.5°	1765.9	1572.8	1378.6	1183.6	1012.5	859.2	724.6	609.9	509.4	421.8	350.9
40°	1917.1	1720.2	1512.9	1307.3	1110.9	929.5	787.1	658.1	543.5	447.2	371.0
37.5°	2061.9	1858.2	1644.7	1425.8	1208.9	1015.9	848.0	704.0	578.4	476.0	390.1
35°	2185.7	1987.5	1770.5	1540.6	1312.9	1098.0	905.8	750.9	617.4	503.2	408.2
32.5°	2302.5	2106.1	1885.1	1651.0	1411.4	1175.7	970.0	800.2	654.2	528.9	425.2
30°	2405.0	2208.9	1992.7	1754.9	1504.9	1259.4	1036.3	846.4	688.6	553.0	442.3
27.5°	2498.7	2305.2	2091.1	1848.9	1594.1	1338.4	1098.0	889.4	720.6	577.5	461.8
25°	2583.7	2388.5	2173.8	1935.1	1676.6	1411.4	1155.1	929.5	754.0	603.6	479.6
22.5°	2656.4	2462.9	2249.8	2014.1	1752.2	1478.3	1211.4	976.5	786.3	627.3	496.0
20°	2722.6	2530.5	2318.8	2084.1	1819.0	1540.6	1266.1	1018.8	815.5	648.8	510.7
17.5°	2781.1	2588.3	2375.5	2140.6	1877.4	1596.2	1314.8	1056.5	841.4	667.8	523.8
15°	2829.1	2636.3	2424.3	2190.1	1928.5	1644.7	1357.3	1089.4	864.0	684.4	535.1
12.5°	2870.2	2677.3	2466.0	2232.4	1972.0	1686.1	1393.6	1117.4	883.3	698.5	544.8
10°	2904.1	2711.2	2500.5	2267.3	2007.9	1720.2	1423.4	1140.4	899.1	710.2	552.8
7.5°	2930.8	2737.8	2527.4	2294.5	2036.0	1746.8	1446.7	1158.4	911.5	719.2	559.0
5°	2950.0	2756.9	2546.8	2314.1	2056.1	1765.9	1463.4	1171.3	920.3	725.7	563.4
2.5°	2961.5	2768.4	2558.4	2325.9	2068.3	1777.4	1473.4	1179.0	925.6	729.6	566.1
0°	2965.4	2772.2	2562.3	2329.8	2072.3	1781.2	1476.8	1181.6	927.4	730.9	567.0
-2.5°	2961.5	2768.4	2558.4	2325.9	2068.3	1777.4	1473.4	1179.0	925.6	729.6	566.1
-5°	2950.0	2756.9	2546.8	2314.1	2056.1	1765.9	1463.4	1171.3	920.3	725.7	563.4
-7.5°	2930.8	2737.8	2527.4	2294.5	2036.0	1746.8	1446.7	1158.4	911.5	719.2	559.0
-10°	2904.1	2711.2	2500.5	2267.3	2007.9	1720.2	1423.4	1140.4	899.1	710.2	552.8
-12.5°	2870.2	2677.3	2466.0	2232.4	1972.0	1686.1	1393.6	1117.4	883.3	698.5	544.8
-15°	2829.1	2636.3	2424.3	2190.1	1928.5	1644.7	1357.3	1089.4	864.0	684.4	535.1
-17.5°	2781.1	2588.3	2375.5	2140.6	1877.4	1596.2	1314.8	1056.5	841.4	667.8	523.8
-20°	2722.6	2530.5	2318.8	2084.1	1819.0	1540.6	1266.1	1018.8	815.5	648.8	510.7



REPORT NUMBER: P645406 (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°	2656.4	2462.9	2249.8	2014.1	1752.2	1478.3	1211.4	976.5	786.3	627.3	496.0
-25°	2583.7	2388.5	2173.8	1935.1	1676.6	1411.4	1155.1	929.5	754.0	603.6	479.6
-27.5°	2498.7	2305.2	2091.1	1848.9	1594.1	1338.4	1098.0	889.4	720.6	577.5	461.8
-30°	2405.0	2208.9	1992.7	1754.9	1504.9	1259.4	1036.3	846.4	688.6	553.0	442.3
-32.5°	2302.5	2106.1	1885.1	1651.0	1411.4	1175.7	970.0	800.2	654.2	528.9	425.2
-35°	2185.7	1987.5	1770.5	1540.6	1312.9	1098.0	905.8	750.9	617.4	503.2	408.2
-37.5°	2061.9	1858.2	1644.7	1425.8	1208.9	1015.9	848.0	704.0	578.4	476.0	390.1
-40°	1917.1	1720.2	1512.9	1307.3	1110.9	929.5	787.1	658.1	543.5	447.2	371.0
-42.5°	1765.9	1572.8	1378.6	1183.6	1012.5	859.2	724.6	609.9	509.4	421.8	350.9
-45°	1603.0	1421.8	1240.3	1072.5	914.0	786.3	669.1	561.2	473.7	397.7	330.9
-47.5°	1436.2	1268.8	1108.9	957.8	831.8	714.0	611.4	519.8	436.7	372.6	311.6
-50°	1268.8	1121.0	981.9	859.4	747.0	648.8	554.9	476.9	407.4	346.6	291.5
-52.5°	1108.9	981.9	868.6	765.2	671.4	581.5	506.1	433.8	377.1	321.9	270.8
-55°	957.8	859.4	765.2	678.9	596.5	523.8	456.0	399.0	345.8	297.4	249.2
-57.5°	831.8	747.0	671.4	596.5	529.7	467.7	412.3	363.4	316.6	272.2	226.1
-60°	714.0	648.8	581.5	523.8	467.7	416.8	372.2	328.2	287.6	246.1	202.4
-62.5°	611.4	554.9	506.1	456.0	412.3	372.2	332.1	295.3	257.9	218.4	178.1
-65°	519.8	476.9	433.8	399.0	363.4	328.2	295.3	261.7	226.5	190.1	154.0
-67.5°	436.7	407.4	377.1	345.8	316.6	287.6	257.9	226.5	194.2	161.4	131.1
-70°	372.6	346.6	321.9	297.4	272.2	246.1	218.4	190.1	161.4	134.7	107.7
-72.5°	311.6	291.5	270.8	249.2	226.1	202.4	178.1	154.0	131.1	107.7	84.0
-75°	254.1	236.3	217.6	198.4	178.6	158.5	139.5	120.2	100.5	80.4	65.6
-77.5°	193.7	178.7	163.2	148.4	133.4	118.0	102.2	86.0	72.1	60.6	48.9
-80°	135.3	124.5	113.2	101.5	89.5	77.4	68.7	59.8	50.7	41.5	32.1
-82.5°	79.8	73.5	67.7	61.7	55.5	49.2	42.6	36.0	29.2	22.2	18.8
-85°	40.8	37.1	33.2	29.2	25.1	20.9	19.3	17.6	16.0	14.3	12.6
-87.5°	14.1	13.4	12.7	12.0	11.2	10.4	9.6	8.8	8.0	7.1	6.3
-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°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
85°	10.8	9.0	7.2	5.4	3.6	1.8	0.0
82.5°	16.2	13.5	10.9	8.2	5.4	2.7	0.0
80°	22.6	18.0	14.4	10.9	7.2	3.6	0.0
77.5°	37.1	25.1	18.0	13.5	9.0	4.5	0.0
75°	51.4	37.1	22.6	16.2	10.8	5.4	0.0
72.5°	65.6	48.9	32.1	18.8	12.6	6.3	0.0
70°	80.4	60.6	41.5	22.2	14.3	7.1	0.0
67.5°	100.5	72.1	50.7	29.2	16.0	8.0	0.0
65°	120.2	86.0	59.8	36.0	17.6	8.8	0.0
62.5°	139.5	102.2	68.7	42.6	19.3	9.6	0.0
60°	158.5	118.0	77.4	49.2	20.9	10.4	0.0
57.5°	178.6	133.4	89.5	55.5	25.1	11.2	0.0
55°	198.4	148.4	101.5	61.7	29.2	12.0	0.0
52.5°	217.6	163.2	113.2	67.7	33.2	12.7	0.0
50°	236.3	178.7	124.5	73.5	37.1	13.4	0.0
47.5°	254.1	193.7	135.3	79.8	40.8	14.1	0.0
45°	270.7	208.1	145.8	87.6	44.4	14.8	0.0
42.5°	286.5	221.9	155.8	95.1	47.9	15.4	0.0
40°	301.7	235.1	165.9	102.3	51.1	16.0	0.0
37.5°	316.0	247.6	175.9	109.1	54.2	16.6	0.0
35°	329.7	259.1	185.3	115.5	57.2	17.1	0.0
32.5°	343.0	269.7	194.2	121.5	59.9	17.6	0.0
30°	356.6	279.7	202.5	127.2	62.5	18.1	0.0
27.5°	369.2	288.9	210.2	132.4	64.9	18.5	0.0
25°	380.8	297.4	217.3	137.2	67.1	18.9	0.0
22.5°	391.4	305.1	223.7	141.6	69.1	19.3	0.0
20°	400.9	312.1	229.5	145.5	70.9	19.6	0.0
17.5°	409.4	318.3	234.7	149.0	72.5	19.9	0.0
15°	416.8	323.7	239.2	152.1	73.9	20.2	0.0
12.5°	423.0	328.2	243.0	154.7	75.1	20.4	0.0
10°	428.2	332.0	246.1	156.8	76.1	20.6	0.0
7.5°	432.2	334.9	248.6	158.5	76.8	20.7	0.0
5°	435.1	337.0	250.3	159.6	77.4	20.8	0.0
2.5°	436.8	338.3	251.3	160.4	77.7	20.9	0.0
0°	437.4	338.7	251.7	160.6	77.8	20.9	0.0
-2.5°	436.8	338.3	251.3	160.4	77.7	20.9	0.0
-5°	435.1	337.0	250.3	159.6	77.4	20.8	0.0
-7.5°	432.2	334.9	248.6	158.5	76.8	20.7	0.0
-10°	428.2	332.0	246.1	156.8	76.1	20.6	0.0
-12.5°	423.0	328.2	243.0	154.7	75.1	20.4	0.0
-15°	416.8	323.7	239.2	152.1	73.9	20.2	0.0
-17.5°	409.4	318.3	234.7	149.0	72.5	19.9	0.0
-20°	400.9	312.1	229.5	145.5	70.9	19.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	391.4	305.1	223.7	141.6	69.1	19.3	0.0
-25°	380.8	297.4	217.3	137.2	67.1	18.9	0.0
-27.5°	369.2	288.9	210.2	132.4	64.9	18.5	0.0
-30°	356.6	279.7	202.5	127.2	62.5	18.1	0.0
-32.5°	343.0	269.7	194.2	121.5	59.9	17.6	0.0
-35°	329.7	259.1	185.3	115.5	57.2	17.1	0.0
-37.5°	316.0	247.6	175.9	109.1	54.2	16.6	0.0
-40°	301.7	235.1	165.9	102.3	51.1	16.0	0.0
-42.5°	286.5	221.9	155.8	95.1	47.9	15.4	0.0
-45°	270.7	208.1	145.8	87.6	44.4	14.8	0.0
-47.5°	254.1	193.7	135.3	79.8	40.8	14.1	0.0
-50°	236.3	178.7	124.5	73.5	37.1	13.4	0.0
-52.5°	217.6	163.2	113.2	67.7	33.2	12.7	0.0
-55°	198.4	148.4	101.5	61.7	29.2	12.0	0.0
-57.5°	178.6	133.4	89.5	55.5	25.1	11.2	0.0
-60°	158.5	118.0	77.4	49.2	20.9	10.4	0.0
-62.5°	139.5	102.2	68.7	42.6	19.3	9.6	0.0
-65°	120.2	86.0	59.8	36.0	17.6	8.8	0.0
-67.5°	100.5	72.1	50.7	29.2	16.0	8.0	0.0
-70°	80.4	60.6	41.5	22.2	14.3	7.1	0.0
-72.5°	65.6	48.9	32.1	18.8	12.6	6.3	0.0
-75°	51.4	37.1	22.6	16.2	10.8	5.4	0.0
-77.5°	37.1	25.1	18.0	13.5	9.0	4.5	0.0
-80°	22.6	18.0	14.4	10.9	7.2	3.6	0.0
-82.5°	16.2	13.5	10.9	8.2	5.4	2.7	0.0
-85°	10.8	9.0	7.2	5.4	3.6	1.8	0.0
-87.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)