

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: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3B-730-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

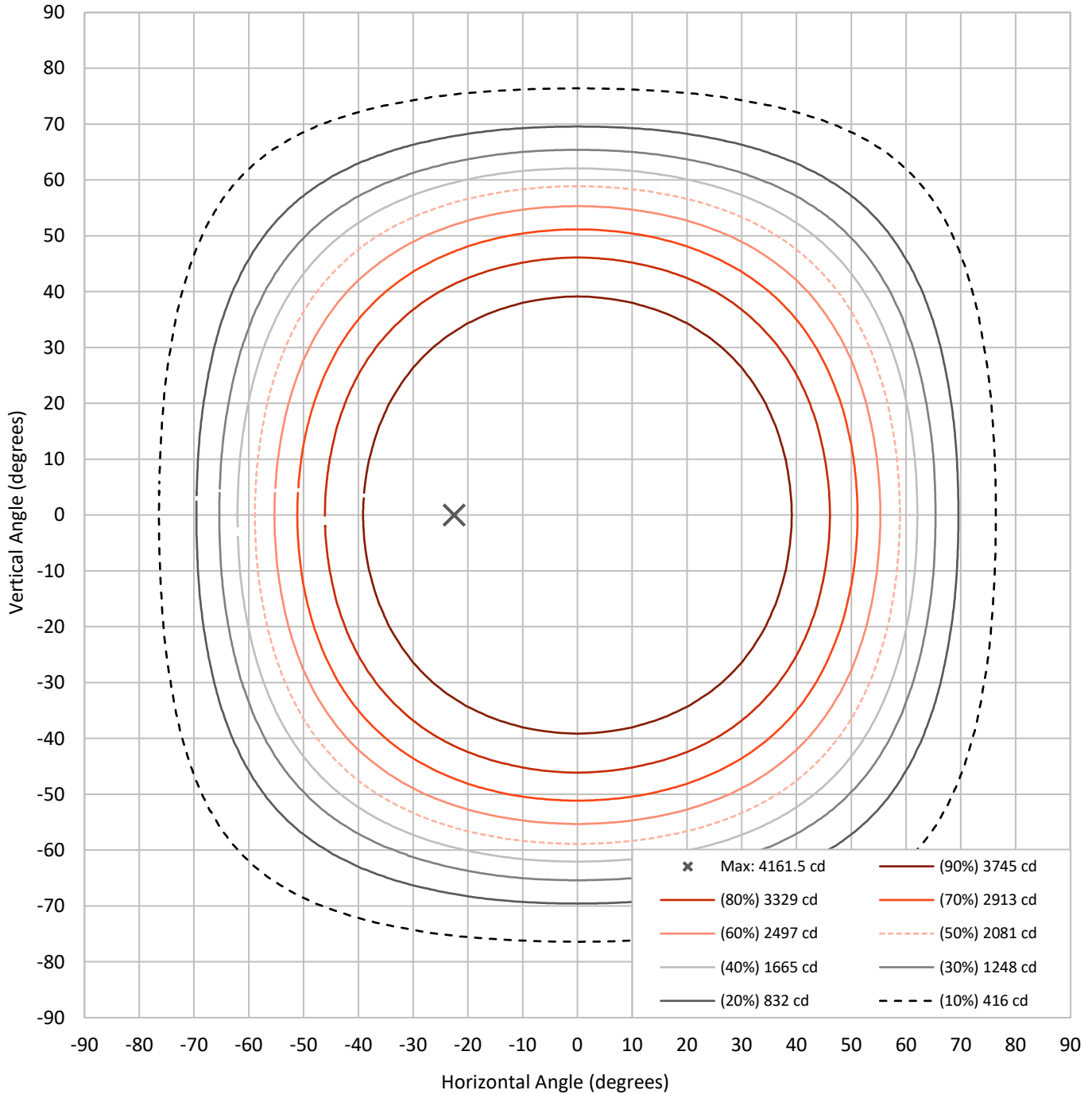
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12730.4 lumens	Max Intensity:	4161.5 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	135.9 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:	10594.4 lumens	Field Lumens:	12480 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		



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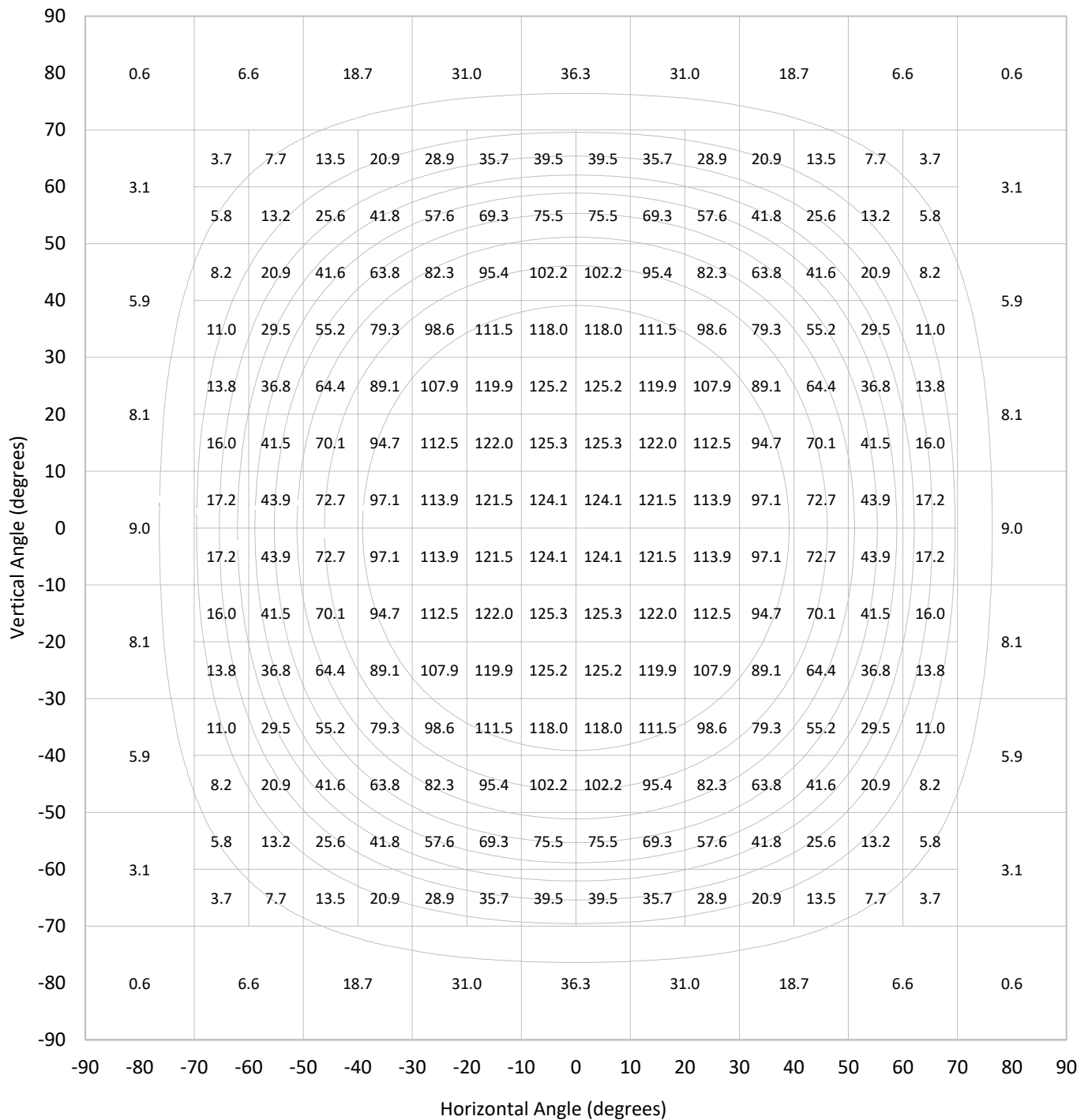
Iso-Candela Plot





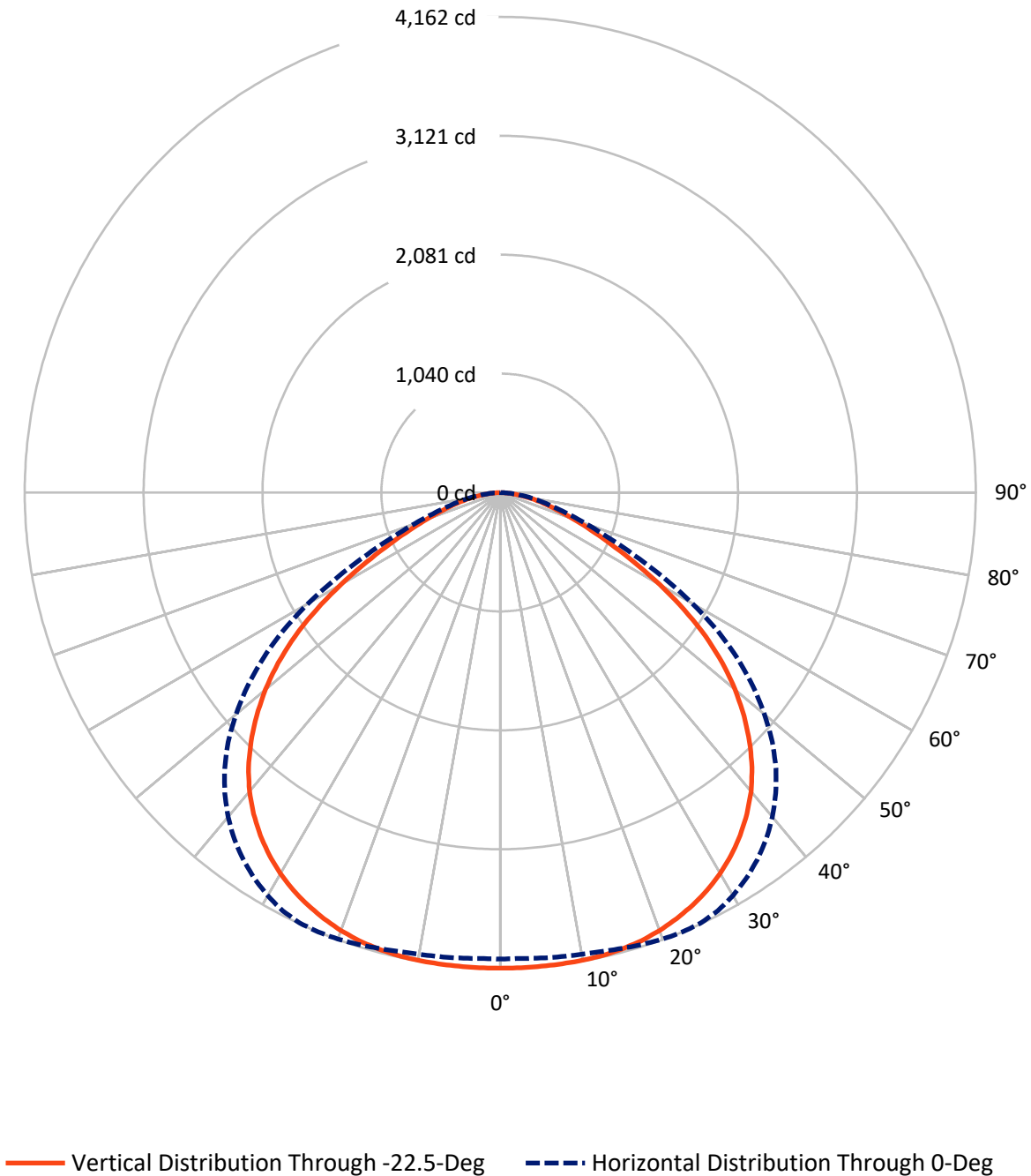
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Lumen Table



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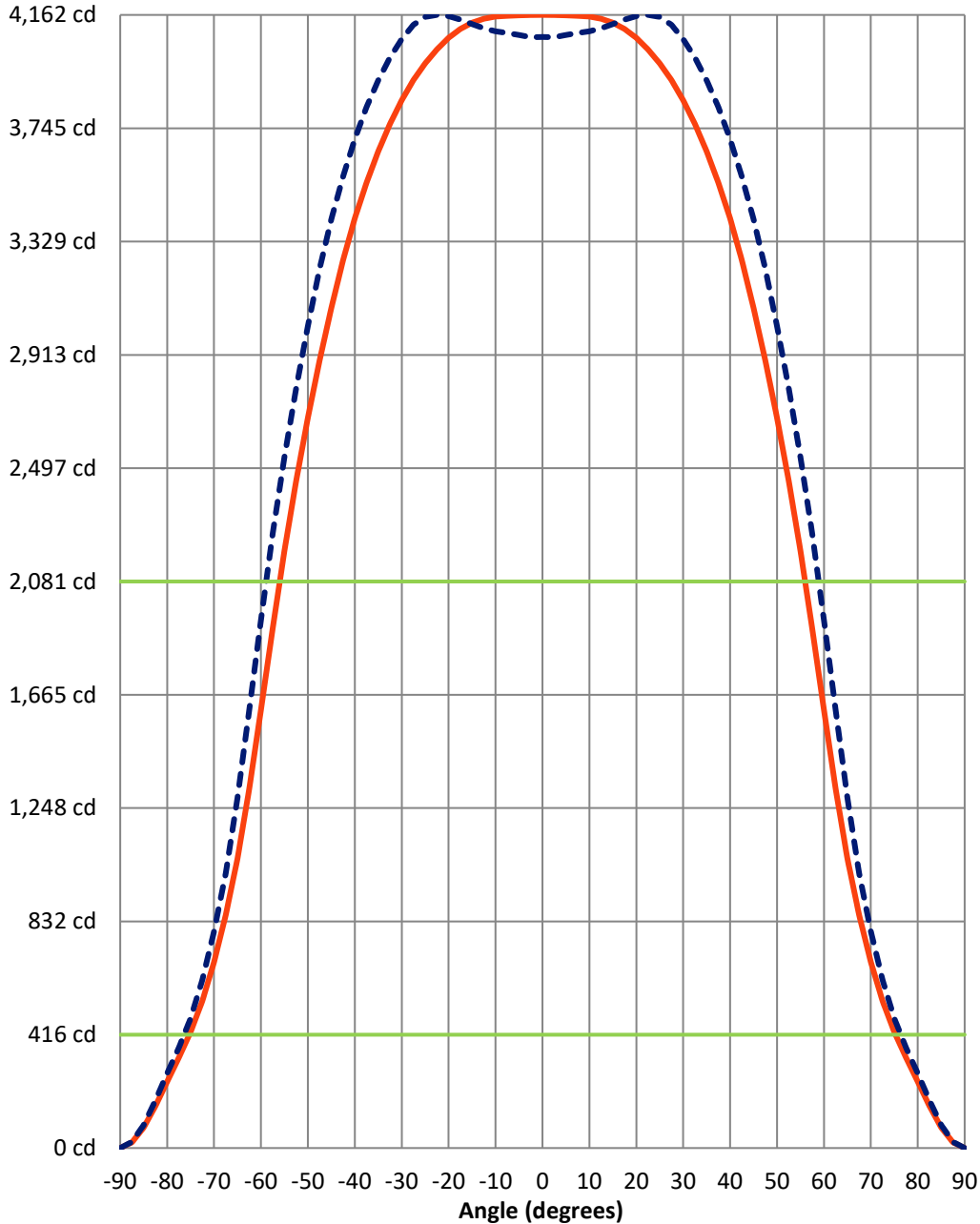
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 10594.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 12480
 Efficiency: 98.0%

Spill:
 Lumens: 250.4
 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	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.7	9.6
85°	0.0	2.0	4.0	5.9	7.9	9.9	11.8	13.7	15.6	17.4	19.3
82.5°	0.0	3.0	5.9	8.9	11.8	14.8	17.7	20.5	24.3	31.8	39.2
80°	0.0	4.0	7.9	11.8	15.8	19.6	24.7	35.0	45.2	55.2	65.1
77.5°	0.0	4.9	9.9	14.8	19.6	27.4	40.4	53.3	66.0	78.5	93.6
75°	0.0	5.9	11.8	17.7	24.7	40.4	56.0	71.4	87.5	109.4	130.8
72.5°	0.0	6.9	13.7	20.5	35.0	53.3	71.4	91.5	117.2	142.7	167.6
70°	0.0	7.8	15.6	24.3	45.2	66.0	87.5	117.2	146.6	175.6	207.0
67.5°	0.0	8.7	17.4	31.8	55.2	78.5	109.4	142.7	175.6	211.4	246.6
65°	0.0	9.6	19.3	39.2	65.1	93.6	130.8	167.6	207.0	246.6	285.0
62.5°	0.0	10.5	21.0	46.5	74.8	111.2	151.9	193.9	237.8	280.8	321.6
60°	0.0	11.4	22.8	53.6	84.2	128.4	172.5	220.4	268.0	313.2	357.4
57.5°	0.0	12.2	27.4	60.5	97.4	145.2	194.4	246.2	296.4	344.8	395.7
55°	0.0	13.1	31.8	67.2	110.5	161.5	216.0	271.4	323.8	376.5	434.5
52.5°	0.0	13.9	36.2	73.7	123.2	177.6	237.0	294.9	350.5	410.6	472.4
50°	0.0	14.7	40.4	80.1	135.5	194.5	257.3	317.5	377.4	443.6	519.3
47.5°	0.0	15.4	44.5	86.8	147.3	210.9	276.8	339.3	405.8	475.6	566.0
45°	0.0	16.1	48.4	95.4	158.7	226.6	294.8	360.3	433.1	515.8	611.1
42.5°	0.0	16.8	52.1	103.5	169.6	241.6	312.0	382.1	459.3	554.6	664.2
40°	0.0	17.5	55.7	111.3	180.5	256.0	328.5	404.0	487.0	591.8	716.6
37.5°	0.0	18.1	59.1	118.7	191.4	269.6	344.1	424.8	518.3	629.8	766.6
35°	0.0	18.7	62.3	125.7	201.7	282.1	359.0	444.5	548.0	672.3	817.7
32.5°	0.0	19.2	65.3	132.3	211.4	293.7	373.5	463.0	576.0	712.3	871.3
30°	0.0	19.7	68.1	138.4	220.4	304.5	388.3	481.7	602.1	749.8	921.6
27.5°	0.0	20.2	70.7	144.1	228.8	314.6	402.0	502.8	628.9	784.7	968.5
25°	0.0	20.7	73.1	149.3	236.6	323.8	414.6	522.3	657.2	821.0	1012.2
22.5°	0.0	21.1	75.3	154.1	243.6	332.2	426.2	540.1	683.1	856.2	1063.3
20°	0.0	21.4	77.2	158.4	249.9	339.8	436.6	556.1	706.5	888.0	1109.4
17.5°	0.0	21.7	79.0	162.2	255.5	346.6	445.8	570.3	727.2	916.2	1150.5
15°	0.0	22.0	80.5	165.5	260.4	352.4	453.8	582.7	745.3	940.9	1186.3
12.5°	0.0	22.3	81.8	168.4	264.6	357.4	460.7	593.3	760.7	961.8	1216.8
10°	0.0	22.5	82.8	170.7	268.0	361.5	466.3	601.9	773.3	979.1	1241.8
7.5°	0.0	22.6	83.6	172.5	270.7	364.7	470.7	608.7	783.2	992.5	1261.4
5°	0.0	22.7	84.2	173.8	272.6	367.0	473.8	613.5	790.2	1002.2	1275.4
2.5°	0.0	22.8	84.6	174.5	273.7	368.3	475.7	616.4	794.5	1008.0	1283.9
0°	0.0	22.8	84.7	174.8	274.1	368.8	476.3	617.4	795.9	1009.9	1286.7
-2.5°	0.0	22.8	84.6	174.5	273.7	368.3	475.7	616.4	794.5	1008.0	1283.9
-5°	0.0	22.7	84.2	173.8	272.6	367.0	473.8	613.5	790.2	1002.2	1275.4
-7.5°	0.0	22.6	83.6	172.5	270.7	364.7	470.7	608.7	783.2	992.5	1261.4
-10°	0.0	22.5	82.8	170.7	268.0	361.5	466.3	601.9	773.3	979.1	1241.8
-12.5°	0.0	22.3	81.8	168.4	264.6	357.4	460.7	593.3	760.7	961.8	1216.8
-15°	0.0	22.0	80.5	165.5	260.4	352.4	453.8	582.7	745.3	940.9	1186.3
-17.5°	0.0	21.7	79.0	162.2	255.5	346.6	445.8	570.3	727.2	916.2	1150.5
-20°	0.0	21.4	77.2	158.4	249.9	339.8	436.6	556.1	706.5	888.0	1109.4

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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	21.1	75.3	154.1	243.6	332.2	426.2	540.1	683.1	856.2	1063.3
-25°	0.0	20.7	73.1	149.3	236.6	323.8	414.6	522.3	657.2	821.0	1012.2
-27.5°	0.0	20.2	70.7	144.1	228.8	314.6	402.0	502.8	628.9	784.7	968.5
-30°	0.0	19.7	68.1	138.4	220.4	304.5	388.3	481.7	602.1	749.8	921.6
-32.5°	0.0	19.2	65.3	132.3	211.4	293.7	373.5	463.0	576.0	712.3	871.3
-35°	0.0	18.7	62.3	125.7	201.7	282.1	359.0	444.5	548.0	672.3	817.7
-37.5°	0.0	18.1	59.1	118.7	191.4	269.6	344.1	424.8	518.3	629.8	766.6
-40°	0.0	17.5	55.7	111.3	180.5	256.0	328.5	404.0	487.0	591.8	716.6
-42.5°	0.0	16.8	52.1	103.5	169.6	241.6	312.0	382.1	459.3	554.6	664.2
-45°	0.0	16.1	48.4	95.4	158.7	226.6	294.8	360.3	433.1	515.8	611.1
-47.5°	0.0	15.4	44.5	86.8	147.3	210.9	276.8	339.3	405.8	475.6	566.0
-50°	0.0	14.7	40.4	80.1	135.5	194.5	257.3	317.5	377.4	443.6	519.3
-52.5°	0.0	13.9	36.2	73.7	123.2	177.6	237.0	294.9	350.5	410.6	472.4
-55°	0.0	13.1	31.8	67.2	110.5	161.5	216.0	271.4	323.8	376.5	434.5
-57.5°	0.0	12.2	27.4	60.5	97.4	145.2	194.4	246.2	296.4	344.8	395.7
-60°	0.0	11.4	22.8	53.6	84.2	128.4	172.5	220.4	268.0	313.2	357.4
-62.5°	0.0	10.5	21.0	46.5	74.8	111.2	151.9	193.9	237.8	280.8	321.6
-65°	0.0	9.6	19.3	39.2	65.1	93.6	130.8	167.6	207.0	246.6	285.0
-67.5°	0.0	8.7	17.4	31.8	55.2	78.5	109.4	142.7	175.6	211.4	246.6
-70°	0.0	7.8	15.6	24.3	45.2	66.0	87.5	117.2	146.6	175.6	207.0
-72.5°	0.0	6.9	13.7	20.5	35.0	53.3	71.4	91.5	117.2	142.7	167.6
-75°	0.0	5.9	11.8	17.7	24.7	40.4	56.0	71.4	87.5	109.4	130.8
-77.5°	0.0	4.9	9.9	14.8	19.6	27.4	40.4	53.3	66.0	78.5	93.6
-80°	0.0	4.0	7.9	11.8	15.8	19.6	24.7	35.0	45.2	55.2	65.1
-82.5°	0.0	3.0	5.9	8.9	11.8	14.8	17.7	20.5	24.3	31.8	39.2
-85°	0.0	2.0	4.0	5.9	7.9	9.9	11.8	13.7	15.6	17.4	19.3
-87.5°	0.0	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.8	8.7	9.6
-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-SA3B-730-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°	10.5	11.4	12.2	13.1	13.9	14.7	15.4	16.1	16.8	17.5	18.1
85°	21.0	22.8	27.4	31.8	36.2	40.4	44.5	48.4	52.1	55.7	59.1
82.5°	46.5	53.6	60.5	67.2	73.7	80.1	86.8	95.4	103.5	111.3	118.7
80°	74.8	84.2	97.4	110.5	123.2	135.5	147.3	158.7	169.6	180.5	191.4
77.5°	111.2	128.4	145.2	161.5	177.6	194.5	210.9	226.6	241.6	256.0	269.6
75°	151.9	172.5	194.4	216.0	237.0	257.3	276.8	294.8	312.0	328.5	344.1
72.5°	193.9	220.4	246.2	271.4	294.9	317.5	339.3	360.3	382.1	404.0	424.8
70°	237.8	268.0	296.4	323.8	350.5	377.4	405.8	433.1	459.3	487.0	518.3
67.5°	280.8	313.2	344.8	376.5	410.6	443.6	475.6	515.8	554.6	591.8	629.8
65°	321.6	357.4	395.7	434.5	472.4	519.3	566.0	611.1	664.2	716.6	766.6
62.5°	361.6	405.3	449.0	496.5	551.1	604.2	665.7	728.6	789.0	857.1	923.4
60°	405.3	453.8	509.3	570.3	633.2	706.5	777.5	856.2	935.6	1012.2	1106.3
57.5°	449.0	509.3	576.7	649.5	731.1	813.4	905.8	995.3	1102.6	1209.8	1316.4
55°	496.5	570.3	649.5	739.3	833.3	935.8	1043.0	1167.9	1288.9	1423.6	1552.7
52.5°	551.1	633.2	731.1	833.3	945.9	1069.2	1207.5	1350.6	1501.3	1647.6	1791.0
50°	604.2	706.5	813.4	935.8	1069.2	1220.8	1381.6	1548.3	1712.7	1873.1	2023.4
47.5°	665.7	777.5	905.8	1043.0	1207.5	1381.6	1564.0	1745.6	1922.9	2087.5	2245.2
45°	728.6	856.2	995.3	1167.9	1350.6	1548.3	1745.6	1939.6	2119.8	2289.9	2438.7
42.5°	789.0	935.6	1102.6	1288.9	1501.3	1712.7	1922.9	2119.8	2304.5	2468.3	2617.7
40°	857.1	1012.2	1209.8	1423.6	1647.6	1873.1	2087.5	2289.9	2468.3	2631.4	2782.7
37.5°	923.4	1106.3	1316.4	1552.7	1791.0	2023.4	2245.2	2438.7	2617.7	2782.7	2927.9
35°	986.3	1195.7	1429.7	1677.7	1927.9	2164.2	2380.1	2577.1	2754.9	2915.0	3063.5
32.5°	1056.3	1280.2	1537.0	1797.8	2052.7	2293.3	2507.3	2700.0	2876.8	3039.4	3186.9
30°	1128.5	1371.4	1638.8	1911.0	2169.9	2405.3	2618.9	2814.0	2989.5	3150.1	3294.5
27.5°	1195.7	1457.4	1735.9	2013.4	2276.9	2510.2	2720.9	2913.1	3089.5	3251.2	3391.2
25°	1257.8	1537.0	1825.7	2107.1	2367.1	2600.9	2813.5	3005.5	3181.0	3336.1	3472.2
22.5°	1319.1	1609.8	1908.1	2193.1	2449.9	2681.9	2892.6	3085.1	3260.7	3414.4	3545.0
20°	1378.7	1677.7	1980.7	2269.4	2525.0	2755.5	2964.6	3156.8	3327.7	3476.5	3606.5
17.5°	1431.8	1738.2	2044.3	2330.9	2586.8	2818.4	3028.4	3221.2	3387.9	3532.5	3659.6
15°	1478.1	1791.0	2099.9	2384.9	2639.9	2870.6	3080.6	3271.3	3436.9	3580.3	3706.5
12.5°	1517.6	1836.1	2147.3	2430.9	2685.3	2915.3	3125.4	3313.4	3476.2	3617.7	3741.2
10°	1550.0	1873.1	2186.4	2468.9	2722.8	2952.3	3162.4	3348.3	3508.8	3648.8	3770.2
7.5°	1575.4	1902.1	2217.0	2498.6	2752.1	2981.2	3191.4	3375.6	3534.5	3673.4	3793.0
5°	1593.6	1922.9	2238.9	2519.9	2773.2	3002.0	3212.3	3395.3	3552.9	3691.0	3809.5
2.5°	1604.5	1935.4	2252.1	2532.7	2785.9	3014.5	3224.9	3407.2	3564.1	3701.7	3819.5
0°	1608.2	1939.6	2256.5	2537.0	2790.1	3018.7	3229.1	3411.2	3567.8	3705.3	3822.8
-2.5°	1604.5	1935.4	2252.1	2532.7	2785.9	3014.5	3224.9	3407.2	3564.1	3701.7	3819.5
-5°	1593.6	1922.9	2238.9	2519.9	2773.2	3002.0	3212.3	3395.3	3552.9	3691.0	3809.5
-7.5°	1575.4	1902.1	2217.0	2498.6	2752.1	2981.2	3191.4	3375.6	3534.5	3673.4	3793.0
-10°	1550.0	1873.1	2186.4	2468.9	2722.8	2952.3	3162.4	3348.3	3508.8	3648.8	3770.2
-12.5°	1517.6	1836.1	2147.3	2430.9	2685.3	2915.3	3125.4	3313.4	3476.2	3617.7	3741.2
-15°	1478.1	1791.0	2099.9	2384.9	2639.9	2870.6	3080.6	3271.3	3436.9	3580.3	3706.5
-17.5°	1431.8	1738.2	2044.3	2330.9	2586.8	2818.4	3028.4	3221.2	3387.9	3532.5	3659.6
-20°	1378.7	1677.7	1980.7	2269.4	2525.0	2755.5	2964.6	3156.8	3327.7	3476.5	3606.5



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 CATALOG NUMBER: GFLD-SA3B-730-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°	1319.1	1609.8	1908.1	2193.1	2449.9	2681.9	2892.6	3085.1	3260.7	3414.4	3545.0
-25°	1257.8	1537.0	1825.7	2107.1	2367.1	2600.9	2813.5	3005.5	3181.0	3336.1	3472.2
-27.5°	1195.7	1457.4	1735.9	2013.4	2276.9	2510.2	2720.9	2913.1	3089.5	3251.2	3391.2
-30°	1128.5	1371.4	1638.8	1911.0	2169.9	2405.3	2618.9	2814.0	2989.5	3150.1	3294.5
-32.5°	1056.3	1280.2	1537.0	1797.8	2052.7	2293.3	2507.3	2700.0	2876.8	3039.4	3186.9
-35°	986.3	1195.7	1429.7	1677.7	1927.9	2164.2	2380.1	2577.1	2754.9	2915.0	3063.5
-37.5°	923.4	1106.3	1316.4	1552.7	1791.0	2023.4	2245.2	2438.7	2617.7	2782.7	2927.9
-40°	857.1	1012.2	1209.8	1423.6	1647.6	1873.1	2087.5	2289.9	2468.3	2631.4	2782.7
-42.5°	789.0	935.6	1102.6	1288.9	1501.3	1712.7	1922.9	2119.8	2304.5	2468.3	2617.7
-45°	728.6	856.2	995.3	1167.9	1350.6	1548.3	1745.6	1939.6	2119.8	2289.9	2438.7
-47.5°	665.7	777.5	905.8	1043.0	1207.5	1381.6	1564.0	1745.6	1922.9	2087.5	2245.2
-50°	604.2	706.5	813.4	935.8	1069.2	1220.8	1381.6	1548.3	1712.7	1873.1	2023.4
-52.5°	551.1	633.2	731.1	833.3	945.9	1069.2	1207.5	1350.6	1501.3	1647.6	1791.0
-55°	496.5	570.3	649.5	739.3	833.3	935.8	1043.0	1167.9	1288.9	1423.6	1552.7
-57.5°	449.0	509.3	576.7	649.5	731.1	813.4	905.8	995.3	1102.6	1209.8	1316.4
-60°	405.3	453.8	509.3	570.3	633.2	706.5	777.5	856.2	935.6	1012.2	1106.3
-62.5°	361.6	405.3	449.0	496.5	551.1	604.2	665.7	728.6	789.0	857.1	923.4
-65°	321.6	357.4	395.7	434.5	472.4	519.3	566.0	611.1	664.2	716.6	766.6
-67.5°	280.8	313.2	344.8	376.5	410.6	443.6	475.6	515.8	554.6	591.8	629.8
-70°	237.8	268.0	296.4	323.8	350.5	377.4	405.8	433.1	459.3	487.0	518.3
-72.5°	193.9	220.4	246.2	271.4	294.9	317.5	339.3	360.3	382.1	404.0	424.8
-75°	151.9	172.5	194.4	216.0	237.0	257.3	276.8	294.8	312.0	328.5	344.1
-77.5°	111.2	128.4	145.2	161.5	177.6	194.5	210.9	226.6	241.6	256.0	269.6
-80°	74.8	84.2	97.4	110.5	123.2	135.5	147.3	158.7	169.6	180.5	191.4
-82.5°	46.5	53.6	60.5	67.2	73.7	80.1	86.8	95.4	103.5	111.3	118.7
-85°	21.0	22.8	27.4	31.8	36.2	40.4	44.5	48.4	52.1	55.7	59.1
-87.5°	10.5	11.4	12.2	13.1	13.9	14.7	15.4	16.1	16.8	17.5	18.1
-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: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-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°	18.7	19.2	19.7	20.2	20.7	21.1	21.4	21.7	22.0	22.3	22.5
85°	62.3	65.3	68.1	70.7	73.1	75.3	77.2	79.0	80.5	81.8	82.8
82.5°	125.7	132.3	138.4	144.1	149.3	154.1	158.4	162.2	165.5	168.4	170.7
80°	201.7	211.4	220.4	228.8	236.6	243.6	249.9	255.5	260.4	264.6	268.0
77.5°	282.1	293.7	304.5	314.6	323.8	332.2	339.8	346.6	352.4	357.4	361.5
75°	359.0	373.5	388.3	402.0	414.6	426.2	436.6	445.8	453.8	460.7	466.3
72.5°	444.5	463.0	481.7	502.8	522.3	540.1	556.1	570.3	582.7	593.3	601.9
70°	548.0	576.0	602.1	628.9	657.2	683.1	706.5	727.2	745.3	760.7	773.3
67.5°	672.3	712.3	749.8	784.7	821.0	856.2	888.0	916.2	940.9	961.8	979.1
65°	817.7	871.3	921.6	968.5	1012.2	1063.3	1109.4	1150.5	1186.3	1216.8	1241.8
62.5°	986.3	1056.3	1128.5	1195.7	1257.8	1319.1	1378.7	1431.8	1478.1	1517.6	1550.0
60°	1195.7	1280.2	1371.4	1457.4	1537.0	1609.8	1677.7	1738.2	1791.0	1836.1	1873.1
57.5°	1429.7	1537.0	1638.8	1735.9	1825.7	1908.1	1980.7	2044.3	2099.9	2147.3	2186.4
55°	1677.7	1797.8	1911.0	2013.4	2107.1	2193.1	2269.4	2330.9	2384.9	2430.9	2468.9
52.5°	1927.9	2052.7	2169.9	2276.9	2367.1	2449.9	2525.0	2586.8	2639.9	2685.3	2722.8
50°	2164.2	2293.3	2405.3	2510.2	2600.9	2681.9	2755.5	2818.4	2870.6	2915.3	2952.3
47.5°	2380.1	2507.3	2618.9	2720.9	2813.5	2892.6	2964.6	3028.4	3080.6	3125.4	3162.4
45°	2577.1	2700.0	2814.0	2913.1	3005.5	3085.1	3156.8	3221.2	3271.3	3313.4	3348.3
42.5°	2754.9	2876.8	2989.5	3089.5	3181.0	3260.7	3327.7	3387.9	3436.9	3476.2	3508.8
40°	2915.0	3039.4	3150.1	3251.2	3336.1	3414.4	3476.5	3532.5	3580.3	3617.7	3648.8
37.5°	3063.5	3186.9	3294.5	3391.2	3472.2	3545.0	3606.5	3659.6	3706.5	3741.2	3770.2
35°	3199.2	3316.4	3422.9	3511.5	3591.8	3660.3	3720.9	3769.9	3813.5	3846.6	3873.0
32.5°	3316.4	3432.6	3531.5	3618.7	3697.1	3761.1	3819.2	3864.0	3903.5	3935.4	3959.9
30°	3422.9	3531.5	3627.8	3714.2	3785.7	3848.0	3900.2	3944.0	3980.6	4011.0	4032.5
27.5°	3511.5	3618.7	3714.2	3794.0	3862.3	3922.2	3970.1	4012.3	4044.2	4072.2	4090.7
25°	3591.8	3697.1	3785.7	3862.3	3928.6	3983.4	4028.9	4067.2	4095.4	4119.4	4133.2
22.5°	3660.3	3761.1	3848.0	3922.2	3983.4	4034.6	4077.5	4109.8	4133.0	4147.4	4155.6
20°	3720.9	3819.2	3900.2	3970.1	4028.9	4077.5	4114.7	4138.6	4154.7	4158.7	4161.1
17.5°	3769.9	3864.0	3944.0	4012.3	4067.2	4109.8	4138.6	4155.5	4160.3	4159.5	4157.1
15°	3813.5	3903.5	3980.6	4044.2	4095.4	4133.0	4154.7	4160.3	4159.0	4154.1	4146.6
12.5°	3846.6	3935.4	4011.0	4072.2	4119.4	4147.4	4158.7	4159.5	4154.1	4144.7	4134.1
10°	3873.0	3959.9	4032.5	4090.7	4133.2	4155.6	4161.1	4157.1	4146.6	4134.1	4122.3
7.5°	3893.8	3979.4	4049.7	4105.5	4142.2	4158.1	4159.4	4151.8	4139.2	4125.0	4112.3
5°	3908.9	3993.5	4062.2	4116.3	4148.8	4160.0	4158.1	4147.7	4133.0	4118.2	4106.5
2.5°	3918.0	4002.0	4069.8	4122.9	4152.8	4161.1	4157.3	4145.1	4129.1	4113.9	4102.7
0°	3921.1	4004.9	4072.3	4125.1	4154.2	4161.5	4157.0	4144.2	4127.8	4112.4	4101.4
-2.5°	3918.0	4002.0	4069.8	4122.9	4152.8	4161.1	4157.3	4145.1	4129.1	4113.9	4102.7
-5°	3908.9	3993.5	4062.2	4116.3	4148.8	4160.0	4158.1	4147.7	4133.0	4118.2	4106.5
-7.5°	3893.8	3979.4	4049.7	4105.5	4142.2	4158.1	4159.4	4151.8	4139.2	4125.0	4112.3
-10°	3873.0	3959.9	4032.5	4090.7	4133.2	4155.6	4161.1	4157.1	4146.6	4134.1	4122.3
-12.5°	3846.6	3935.4	4011.0	4072.2	4119.4	4147.4	4158.7	4159.5	4154.1	4144.7	4134.1
-15°	3813.5	3903.5	3980.6	4044.2	4095.4	4133.0	4154.7	4160.3	4159.0	4154.1	4146.6
-17.5°	3769.9	3864.0	3944.0	4012.3	4067.2	4109.8	4138.6	4155.5	4160.3	4159.5	4157.1
-20°	3720.9	3819.2	3900.2	3970.1	4028.9	4077.5	4114.7	4138.6	4154.7	4158.7	4161.1



REPORT NUMBER: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3660.3	3761.1	3848.0	3922.2	3983.4	4034.6	4077.5	4109.8	4133.0	4147.4	4155.6
-25°	3591.8	3697.1	3785.7	3862.3	3928.6	3983.4	4028.9	4067.2	4095.4	4119.4	4133.2
-27.5°	3511.5	3618.7	3714.2	3794.0	3862.3	3922.2	3970.1	4012.3	4044.2	4072.2	4090.7
-30°	3422.9	3531.5	3627.8	3714.2	3785.7	3848.0	3900.2	3944.0	3980.6	4011.0	4032.5
-32.5°	3316.4	3432.6	3531.5	3618.7	3697.1	3761.1	3819.2	3864.0	3903.5	3935.4	3959.9
-35°	3199.2	3316.4	3422.9	3511.5	3591.8	3660.3	3720.9	3769.9	3813.5	3846.6	3873.0
-37.5°	3063.5	3186.9	3294.5	3391.2	3472.2	3545.0	3606.5	3659.6	3706.5	3741.2	3770.2
-40°	2915.0	3039.4	3150.1	3251.2	3336.1	3414.4	3476.5	3532.5	3580.3	3617.7	3648.8
-42.5°	2754.9	2876.8	2989.5	3089.5	3181.0	3260.7	3327.7	3387.9	3436.9	3476.2	3508.8
-45°	2577.1	2700.0	2814.0	2913.1	3005.5	3085.1	3156.8	3221.2	3271.3	3313.4	3348.3
-47.5°	2380.1	2507.3	2618.9	2720.9	2813.5	2892.6	2964.6	3028.4	3080.6	3125.4	3162.4
-50°	2164.2	2293.3	2405.3	2510.2	2600.9	2681.9	2755.5	2818.4	2870.6	2915.3	2952.3
-52.5°	1927.9	2052.7	2169.9	2276.9	2367.1	2449.9	2525.0	2586.8	2639.9	2685.3	2722.8
-55°	1677.7	1797.8	1911.0	2013.4	2107.1	2193.1	2269.4	2330.9	2384.9	2430.9	2468.9
-57.5°	1429.7	1537.0	1638.8	1735.9	1825.7	1908.1	1980.7	2044.3	2099.9	2147.3	2186.4
-60°	1195.7	1280.2	1371.4	1457.4	1537.0	1609.8	1677.7	1738.2	1791.0	1836.1	1873.1
-62.5°	986.3	1056.3	1128.5	1195.7	1257.8	1319.1	1378.7	1431.8	1478.1	1517.6	1550.0
-65°	817.7	871.3	921.6	968.5	1012.2	1063.3	1109.4	1150.5	1186.3	1216.8	1241.8
-67.5°	672.3	712.3	749.8	784.7	821.0	856.2	888.0	916.2	940.9	961.8	979.1
-70°	548.0	576.0	602.1	628.9	657.2	683.1	706.5	727.2	745.3	760.7	773.3
-72.5°	444.5	463.0	481.7	502.8	522.3	540.1	556.1	570.3	582.7	593.3	601.9
-75°	359.0	373.5	388.3	402.0	414.6	426.2	436.6	445.8	453.8	460.7	466.3
-77.5°	282.1	293.7	304.5	314.6	323.8	332.2	339.8	346.6	352.4	357.4	361.5
-80°	201.7	211.4	220.4	228.8	236.6	243.6	249.9	255.5	260.4	264.6	268.0
-82.5°	125.7	132.3	138.4	144.1	149.3	154.1	158.4	162.2	165.5	168.4	170.7
-85°	62.3	65.3	68.1	70.7	73.1	75.3	77.2	79.0	80.5	81.8	82.8
-87.5°	18.7	19.2	19.7	20.2	20.7	21.1	21.4	21.7	22.0	22.3	22.5
-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: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-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°	22.6	22.7	22.8	22.8	22.8	22.7	22.6	22.5	22.3	22.0	21.7
85°	83.6	84.2	84.6	84.7	84.6	84.2	83.6	82.8	81.8	80.5	79.0
82.5°	172.5	173.8	174.5	174.8	174.5	173.8	172.5	170.7	168.4	165.5	162.2
80°	270.7	272.6	273.7	274.1	273.7	272.6	270.7	268.0	264.6	260.4	255.5
77.5°	364.7	367.0	368.3	368.8	368.3	367.0	364.7	361.5	357.4	352.4	346.6
75°	470.7	473.8	475.7	476.3	475.7	473.8	470.7	466.3	460.7	453.8	445.8
72.5°	608.7	613.5	616.4	617.4	616.4	613.5	608.7	601.9	593.3	582.7	570.3
70°	783.2	790.2	794.5	795.9	794.5	790.2	783.2	773.3	760.7	745.3	727.2
67.5°	992.5	1002.2	1008.0	1009.9	1008.0	1002.2	992.5	979.1	961.8	940.9	916.2
65°	1261.4	1275.4	1283.9	1286.7	1283.9	1275.4	1261.4	1241.8	1216.8	1186.3	1150.5
62.5°	1575.4	1593.6	1604.5	1608.2	1604.5	1593.6	1575.4	1550.0	1517.6	1478.1	1431.8
60°	1902.1	1922.9	1935.4	1939.6	1935.4	1922.9	1902.1	1873.1	1836.1	1791.0	1738.2
57.5°	2217.0	2238.9	2252.1	2256.5	2252.1	2238.9	2217.0	2186.4	2147.3	2099.9	2044.3
55°	2498.6	2519.9	2532.7	2537.0	2532.7	2519.9	2498.6	2468.9	2430.9	2384.9	2330.9
52.5°	2752.1	2773.2	2785.9	2790.1	2785.9	2773.2	2752.1	2722.8	2685.3	2639.9	2586.8
50°	2981.2	3002.0	3014.5	3018.7	3014.5	3002.0	2981.2	2952.3	2915.3	2870.6	2818.4
47.5°	3191.4	3212.3	3224.9	3229.1	3224.9	3212.3	3191.4	3162.4	3125.4	3080.6	3028.4
45°	3375.6	3395.3	3407.2	3411.2	3407.2	3395.3	3375.6	3348.3	3313.4	3271.3	3221.2
42.5°	3534.5	3552.9	3564.1	3567.8	3564.1	3552.9	3534.5	3508.8	3476.2	3436.9	3387.9
40°	3673.4	3691.0	3701.7	3705.3	3701.7	3691.0	3673.4	3648.8	3617.7	3580.3	3532.5
37.5°	3793.0	3809.5	3819.5	3822.8	3819.5	3809.5	3793.0	3770.2	3741.2	3706.5	3659.6
35°	3893.8	3908.9	3918.0	3921.1	3918.0	3908.9	3893.8	3873.0	3846.6	3813.5	3769.9
32.5°	3979.4	3993.5	4002.0	4004.9	4002.0	3993.5	3979.4	3959.9	3935.4	3903.5	3864.0
30°	4049.7	4062.2	4069.8	4072.3	4069.8	4062.2	4049.7	4032.5	4011.0	3980.6	3944.0
27.5°	4105.5	4116.3	4122.9	4125.1	4122.9	4116.3	4105.5	4090.7	4072.2	4044.2	4012.3
25°	4142.2	4148.8	4152.8	4154.2	4152.8	4148.8	4142.2	4133.2	4119.4	4095.4	4067.2
22.5°	4158.1	4160.0	4161.1	4161.5	4161.1	4160.0	4158.1	4155.6	4147.4	4133.0	4109.8
20°	4159.4	4158.1	4157.3	4157.0	4157.3	4158.1	4159.4	4161.1	4158.7	4154.7	4138.6
17.5°	4151.8	4147.7	4145.1	4144.2	4145.1	4147.7	4151.8	4157.1	4159.5	4160.3	4155.5
15°	4139.2	4133.0	4129.1	4127.8	4129.1	4133.0	4139.2	4146.6	4154.1	4159.0	4160.3
12.5°	4125.0	4118.2	4113.9	4112.4	4113.9	4118.2	4125.0	4134.1	4144.7	4154.1	4159.5
10°	4112.3	4106.5	4102.7	4101.4	4102.7	4106.5	4112.3	4122.3	4134.1	4146.6	4157.1
7.5°	4104.0	4098.9	4096.1	4095.1	4096.1	4098.9	4104.0	4112.3	4125.0	4139.2	4151.8
5°	4098.9	4093.8	4089.5	4087.8	4089.5	4093.8	4098.9	4106.5	4118.2	4133.0	4147.7
2.5°	4096.1	4089.5	4083.0	4079.6	4083.0	4089.5	4096.1	4102.7	4113.9	4129.1	4145.1
0°	4095.1	4087.8	4079.6	4080.5	4079.6	4087.8	4095.1	4101.4	4112.4	4127.8	4144.2
-2.5°	4096.1	4089.5	4083.0	4079.6	4083.0	4089.5	4096.1	4102.7	4113.9	4129.1	4145.1
-5°	4098.9	4093.8	4089.5	4087.8	4089.5	4093.8	4098.9	4106.5	4118.2	4133.0	4147.7
-7.5°	4104.0	4098.9	4096.1	4095.1	4096.1	4098.9	4104.0	4112.3	4125.0	4139.2	4151.8
-10°	4112.3	4106.5	4102.7	4101.4	4102.7	4106.5	4112.3	4122.3	4134.1	4146.6	4157.1
-12.5°	4125.0	4118.2	4113.9	4112.4	4113.9	4118.2	4125.0	4134.1	4144.7	4154.1	4159.5
-15°	4139.2	4133.0	4129.1	4127.8	4129.1	4133.0	4139.2	4146.6	4154.1	4159.0	4160.3
-17.5°	4151.8	4147.7	4145.1	4144.2	4145.1	4147.7	4151.8	4157.1	4159.5	4160.3	4155.5
-20°	4159.4	4158.1	4157.3	4157.0	4157.3	4158.1	4159.4	4161.1	4158.7	4154.7	4138.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-730-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°	4158.1	4160.0	4161.1	4161.5	4161.1	4160.0	4158.1	4155.6	4147.4	4133.0	4109.8
-25°	4142.2	4148.8	4152.8	4154.2	4152.8	4148.8	4142.2	4133.2	4119.4	4095.4	4067.2
-27.5°	4105.5	4116.3	4122.9	4125.1	4122.9	4116.3	4105.5	4090.7	4072.2	4044.2	4012.3
-30°	4049.7	4062.2	4069.8	4072.3	4069.8	4062.2	4049.7	4032.5	4011.0	3980.6	3944.0
-32.5°	3979.4	3993.5	4002.0	4004.9	4002.0	3993.5	3979.4	3959.9	3935.4	3903.5	3864.0
-35°	3893.8	3908.9	3918.0	3921.1	3918.0	3908.9	3893.8	3873.0	3846.6	3813.5	3769.9
-37.5°	3793.0	3809.5	3819.5	3822.8	3819.5	3809.5	3793.0	3770.2	3741.2	3706.5	3659.6
-40°	3673.4	3691.0	3701.7	3705.3	3701.7	3691.0	3673.4	3648.8	3617.7	3580.3	3532.5
-42.5°	3534.5	3552.9	3564.1	3567.8	3564.1	3552.9	3534.5	3508.8	3476.2	3436.9	3387.9
-45°	3375.6	3395.3	3407.2	3411.2	3407.2	3395.3	3375.6	3348.3	3313.4	3271.3	3221.2
-47.5°	3191.4	3212.3	3224.9	3229.1	3224.9	3212.3	3191.4	3162.4	3125.4	3080.6	3028.4
-50°	2981.2	3002.0	3014.5	3018.7	3014.5	3002.0	2981.2	2952.3	2915.3	2870.6	2818.4
-52.5°	2752.1	2773.2	2785.9	2790.1	2785.9	2773.2	2752.1	2722.8	2685.3	2639.9	2586.8
-55°	2498.6	2519.9	2532.7	2537.0	2532.7	2519.9	2498.6	2468.9	2430.9	2384.9	2330.9
-57.5°	2217.0	2238.9	2252.1	2256.5	2252.1	2238.9	2217.0	2186.4	2147.3	2099.9	2044.3
-60°	1902.1	1922.9	1935.4	1939.6	1935.4	1922.9	1902.1	1873.1	1836.1	1791.0	1738.2
-62.5°	1575.4	1593.6	1604.5	1608.2	1604.5	1593.6	1575.4	1550.0	1517.6	1478.1	1431.8
-65°	1261.4	1275.4	1283.9	1286.7	1283.9	1275.4	1261.4	1241.8	1216.8	1186.3	1150.5
-67.5°	992.5	1002.2	1008.0	1009.9	1008.0	1002.2	992.5	979.1	961.8	940.9	916.2
-70°	783.2	790.2	794.5	795.9	794.5	790.2	783.2	773.3	760.7	745.3	727.2
-72.5°	608.7	613.5	616.4	617.4	616.4	613.5	608.7	601.9	593.3	582.7	570.3
-75°	470.7	473.8	475.7	476.3	475.7	473.8	470.7	466.3	460.7	453.8	445.8
-77.5°	364.7	367.0	368.3	368.8	368.3	367.0	364.7	361.5	357.4	352.4	346.6
-80°	270.7	272.6	273.7	274.1	273.7	272.6	270.7	268.0	264.6	260.4	255.5
-82.5°	172.5	173.8	174.5	174.8	174.5	173.8	172.5	170.7	168.4	165.5	162.2
-85°	83.6	84.2	84.6	84.7	84.6	84.2	83.6	82.8	81.8	80.5	79.0
-87.5°	22.6	22.7	22.8	22.8	22.8	22.7	22.6	22.5	22.3	22.0	21.7
-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: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-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°	21.4	21.1	20.7	20.2	19.7	19.2	18.7	18.1	17.5	16.8	16.1
85°	77.2	75.3	73.1	70.7	68.1	65.3	62.3	59.1	55.7	52.1	48.4
82.5°	158.4	154.1	149.3	144.1	138.4	132.3	125.7	118.7	111.3	103.5	95.4
80°	249.9	243.6	236.6	228.8	220.4	211.4	201.7	191.4	180.5	169.6	158.7
77.5°	339.8	332.2	323.8	314.6	304.5	293.7	282.1	269.6	256.0	241.6	226.6
75°	436.6	426.2	414.6	402.0	388.3	373.5	359.0	344.1	328.5	312.0	294.8
72.5°	556.1	540.1	522.3	502.8	481.7	463.0	444.5	424.8	404.0	382.1	360.3
70°	706.5	683.1	657.2	628.9	602.1	576.0	548.0	518.3	487.0	459.3	433.1
67.5°	888.0	856.2	821.0	784.7	749.8	712.3	672.3	629.8	591.8	554.6	515.8
65°	1109.4	1063.3	1012.2	968.5	921.6	871.3	817.7	766.6	716.6	664.2	611.1
62.5°	1378.7	1319.1	1257.8	1195.7	1128.5	1056.3	986.3	923.4	857.1	789.0	728.6
60°	1677.7	1609.8	1537.0	1457.4	1371.4	1280.2	1195.7	1106.3	1012.2	935.6	856.2
57.5°	1980.7	1908.1	1825.7	1735.9	1638.8	1537.0	1429.7	1316.4	1209.8	1102.6	995.3
55°	2269.4	2193.1	2107.1	2013.4	1911.0	1797.8	1677.7	1552.7	1423.6	1288.9	1167.9
52.5°	2525.0	2449.9	2367.1	2276.9	2169.9	2052.7	1927.9	1791.0	1647.6	1501.3	1350.6
50°	2755.5	2681.9	2600.9	2510.2	2405.3	2293.3	2164.2	2023.4	1873.1	1712.7	1548.3
47.5°	2964.6	2892.6	2813.5	2720.9	2618.9	2507.3	2380.1	2245.2	2087.5	1922.9	1745.6
45°	3156.8	3085.1	3005.5	2913.1	2814.0	2700.0	2577.1	2438.7	2289.9	2119.8	1939.6
42.5°	3327.7	3260.7	3181.0	3089.5	2989.5	2876.8	2754.9	2617.7	2468.3	2304.5	2119.8
40°	3476.5	3414.4	3336.1	3251.2	3150.1	3039.4	2915.0	2782.7	2631.4	2468.3	2289.9
37.5°	3606.5	3545.0	3472.2	3391.2	3294.5	3186.9	3063.5	2927.9	2782.7	2617.7	2438.7
35°	3720.9	3660.3	3591.8	3511.5	3422.9	3316.4	3199.2	3063.5	2915.0	2754.9	2577.1
32.5°	3819.2	3761.1	3697.1	3618.7	3531.5	3432.6	3316.4	3186.9	3039.4	2876.8	2700.0
30°	3900.2	3848.0	3785.7	3714.2	3627.8	3531.5	3422.9	3294.5	3150.1	2989.5	2814.0
27.5°	3970.1	3922.2	3862.3	3794.0	3714.2	3618.7	3511.5	3391.2	3251.2	3089.5	2913.1
25°	4028.9	3983.4	3928.6	3862.3	3785.7	3697.1	3591.8	3472.2	3336.1	3181.0	3005.5
22.5°	4077.5	4034.6	3983.4	3922.2	3848.0	3761.1	3660.3	3545.0	3414.4	3260.7	3085.1
20°	4114.7	4077.5	4028.9	3970.1	3900.2	3819.2	3720.9	3606.5	3476.5	3327.7	3156.8
17.5°	4138.6	4109.8	4067.2	4012.3	3944.0	3864.0	3769.9	3659.6	3532.5	3387.9	3221.2
15°	4154.7	4133.0	4095.4	4044.2	3980.6	3903.5	3813.5	3706.5	3580.3	3436.9	3271.3
12.5°	4158.7	4147.4	4119.4	4072.2	4011.0	3935.4	3846.6	3741.2	3617.7	3476.2	3313.4
10°	4161.1	4155.6	4133.2	4090.7	4032.5	3959.9	3873.0	3770.2	3648.8	3508.8	3348.3
7.5°	4159.4	4158.1	4142.2	4105.5	4049.7	3979.4	3893.8	3793.0	3673.4	3534.5	3375.6
5°	4158.1	4160.0	4148.8	4116.3	4062.2	3993.5	3908.9	3809.5	3691.0	3552.9	3395.3
2.5°	4157.3	4161.1	4152.8	4122.9	4069.8	4002.0	3918.0	3819.5	3701.7	3564.1	3407.2
0°	4157.0	4161.5	4154.2	4125.1	4072.3	4004.9	3921.1	3822.8	3705.3	3567.8	3411.2
-2.5°	4157.3	4161.1	4152.8	4122.9	4069.8	4002.0	3918.0	3819.5	3701.7	3564.1	3407.2
-5°	4158.1	4160.0	4148.8	4116.3	4062.2	3993.5	3908.9	3809.5	3691.0	3552.9	3395.3
-7.5°	4159.4	4158.1	4142.2	4105.5	4049.7	3979.4	3893.8	3793.0	3673.4	3534.5	3375.6
-10°	4161.1	4155.6	4133.2	4090.7	4032.5	3959.9	3873.0	3770.2	3648.8	3508.8	3348.3
-12.5°	4158.7	4147.4	4119.4	4072.2	4011.0	3935.4	3846.6	3741.2	3617.7	3476.2	3313.4
-15°	4154.7	4133.0	4095.4	4044.2	3980.6	3903.5	3813.5	3706.5	3580.3	3436.9	3271.3
-17.5°	4138.6	4109.8	4067.2	4012.3	3944.0	3864.0	3769.9	3659.6	3532.5	3387.9	3221.2
-20°	4114.7	4077.5	4028.9	3970.1	3900.2	3819.2	3720.9	3606.5	3476.5	3327.7	3156.8

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Scaled Data Report



REPORT NUMBER: P645408 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4077.5	4034.6	3983.4	3922.2	3848.0	3761.1	3660.3	3545.0	3414.4	3260.7	3085.1
-25°	4028.9	3983.4	3928.6	3862.3	3785.7	3697.1	3591.8	3472.2	3336.1	3181.0	3005.5
-27.5°	3970.1	3922.2	3862.3	3794.0	3714.2	3618.7	3511.5	3391.2	3251.2	3089.5	2913.1
-30°	3900.2	3848.0	3785.7	3714.2	3627.8	3531.5	3422.9	3294.5	3150.1	2989.5	2814.0
-32.5°	3819.2	3761.1	3697.1	3618.7	3531.5	3432.6	3316.4	3186.9	3039.4	2876.8	2700.0
-35°	3720.9	3660.3	3591.8	3511.5	3422.9	3316.4	3199.2	3063.5	2915.0	2754.9	2577.1
-37.5°	3606.5	3545.0	3472.2	3391.2	3294.5	3186.9	3063.5	2927.9	2782.7	2617.7	2438.7
-40°	3476.5	3414.4	3336.1	3251.2	3150.1	3039.4	2915.0	2782.7	2631.4	2468.3	2289.9
-42.5°	3327.7	3260.7	3181.0	3089.5	2989.5	2876.8	2754.9	2617.7	2468.3	2304.5	2119.8
-45°	3156.8	3085.1	3005.5	2913.1	2814.0	2700.0	2577.1	2438.7	2289.9	2119.8	1939.6
-47.5°	2964.6	2892.6	2813.5	2720.9	2618.9	2507.3	2380.1	2245.2	2087.5	1922.9	1745.6
-50°	2755.5	2681.9	2600.9	2510.2	2405.3	2293.3	2164.2	2023.4	1873.1	1712.7	1548.3
-52.5°	2525.0	2449.9	2367.1	2276.9	2169.9	2052.7	1927.9	1791.0	1647.6	1501.3	1350.6
-55°	2269.4	2193.1	2107.1	2013.4	1911.0	1797.8	1677.7	1552.7	1423.6	1288.9	1167.9
-57.5°	1980.7	1908.1	1825.7	1735.9	1638.8	1537.0	1429.7	1316.4	1209.8	1102.6	995.3
-60°	1677.7	1609.8	1537.0	1457.4	1371.4	1280.2	1195.7	1106.3	1012.2	935.6	856.2
-62.5°	1378.7	1319.1	1257.8	1195.7	1128.5	1056.3	986.3	923.4	857.1	789.0	728.6
-65°	1109.4	1063.3	1012.2	968.5	921.6	871.3	817.7	766.6	716.6	664.2	611.1
-67.5°	888.0	856.2	821.0	784.7	749.8	712.3	672.3	629.8	591.8	554.6	515.8
-70°	706.5	683.1	657.2	628.9	602.1	576.0	548.0	518.3	487.0	459.3	433.1
-72.5°	556.1	540.1	522.3	502.8	481.7	463.0	444.5	424.8	404.0	382.1	360.3
-75°	436.6	426.2	414.6	402.0	388.3	373.5	359.0	344.1	328.5	312.0	294.8
-77.5°	339.8	332.2	323.8	314.6	304.5	293.7	282.1	269.6	256.0	241.6	226.6
-80°	249.9	243.6	236.6	228.8	220.4	211.4	201.7	191.4	180.5	169.6	158.7
-82.5°	158.4	154.1	149.3	144.1	138.4	132.3	125.7	118.7	111.3	103.5	95.4
-85°	77.2	75.3	73.1	70.7	68.1	65.3	62.3	59.1	55.7	52.1	48.4
-87.5°	21.4	21.1	20.7	20.2	19.7	19.2	18.7	18.1	17.5	16.8	16.1
-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: P645408 (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°
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°	15.4	14.7	13.9	13.1	12.2	11.4	10.5	9.6	8.7	7.8	6.9
85°	44.5	40.4	36.2	31.8	27.4	22.8	21.0	19.3	17.4	15.6	13.7
82.5°	86.8	80.1	73.7	67.2	60.5	53.6	46.5	39.2	31.8	24.3	20.5
80°	147.3	135.5	123.2	110.5	97.4	84.2	74.8	65.1	55.2	45.2	35.0
77.5°	210.9	194.5	177.6	161.5	145.2	128.4	111.2	93.6	78.5	66.0	53.3
75°	276.8	257.3	237.0	216.0	194.4	172.5	151.9	130.8	109.4	87.5	71.4
72.5°	339.3	317.5	294.9	271.4	246.2	220.4	193.9	167.6	142.7	117.2	91.5
70°	405.8	377.4	350.5	323.8	296.4	268.0	237.8	207.0	175.6	146.6	117.2
67.5°	475.6	443.6	410.6	376.5	344.8	313.2	280.8	246.6	211.4	175.6	142.7
65°	566.0	519.3	472.4	434.5	395.7	357.4	321.6	285.0	246.6	207.0	167.6
62.5°	665.7	604.2	551.1	496.5	449.0	405.3	361.6	321.6	280.8	237.8	193.9
60°	777.5	706.5	633.2	570.3	509.3	453.8	405.3	357.4	313.2	268.0	220.4
57.5°	905.8	813.4	731.1	649.5	576.7	509.3	449.0	395.7	344.8	296.4	246.2
55°	1043.0	935.8	833.3	739.3	649.5	570.3	496.5	434.5	376.5	323.8	271.4
52.5°	1207.5	1069.2	945.9	833.3	731.1	633.2	551.1	472.4	410.6	350.5	294.9
50°	1381.6	1220.8	1069.2	935.8	813.4	706.5	604.2	519.3	443.6	377.4	317.5
47.5°	1564.0	1381.6	1207.5	1043.0	905.8	777.5	665.7	566.0	475.6	405.8	339.3
45°	1745.6	1548.3	1350.6	1167.9	995.3	856.2	728.6	611.1	515.8	433.1	360.3
42.5°	1922.9	1712.7	1501.3	1288.9	1102.6	935.6	789.0	664.2	554.6	459.3	382.1
40°	2087.5	1873.1	1647.6	1423.6	1209.8	1012.2	857.1	716.6	591.8	487.0	404.0
37.5°	2245.2	2023.4	1791.0	1552.7	1316.4	1106.3	923.4	766.6	629.8	518.3	424.8
35°	2380.1	2164.2	1927.9	1677.7	1429.7	1195.7	986.3	817.7	672.3	548.0	444.5
32.5°	2507.3	2293.3	2052.7	1797.8	1537.0	1280.2	1056.3	871.3	712.3	576.0	463.0
30°	2618.9	2405.3	2169.9	1911.0	1638.8	1371.4	1128.5	921.6	749.8	602.1	481.7
27.5°	2720.9	2510.2	2276.9	2013.4	1735.9	1457.4	1195.7	968.5	784.7	628.9	502.8
25°	2813.5	2600.9	2367.1	2107.1	1825.7	1537.0	1257.8	1012.2	821.0	657.2	522.3
22.5°	2892.6	2681.9	2449.9	2193.1	1908.1	1609.8	1319.1	1063.3	856.2	683.1	540.1
20°	2964.6	2755.5	2525.0	2269.4	1980.7	1677.7	1378.7	1109.4	888.0	706.5	556.1
17.5°	3028.4	2818.4	2586.8	2330.9	2044.3	1738.2	1431.8	1150.5	916.2	727.2	570.3
15°	3080.6	2870.6	2639.9	2384.9	2099.9	1791.0	1478.1	1186.3	940.9	745.3	582.7
12.5°	3125.4	2915.3	2685.3	2430.9	2147.3	1836.1	1517.6	1216.8	961.8	760.7	593.3
10°	3162.4	2952.3	2722.8	2468.9	2186.4	1873.1	1550.0	1241.8	979.1	773.3	601.9
7.5°	3191.4	2981.2	2752.1	2498.6	2217.0	1902.1	1575.4	1261.4	992.5	783.2	608.7
5°	3212.3	3002.0	2773.2	2519.9	2238.9	1922.9	1593.6	1275.4	1002.2	790.2	613.5
2.5°	3224.9	3014.5	2785.9	2532.7	2252.1	1935.4	1604.5	1283.9	1008.0	794.5	616.4
0°	3229.1	3018.7	2790.1	2537.0	2256.5	1939.6	1608.2	1286.7	1009.9	795.9	617.4
-2.5°	3224.9	3014.5	2785.9	2532.7	2252.1	1935.4	1604.5	1283.9	1008.0	794.5	616.4
-5°	3212.3	3002.0	2773.2	2519.9	2238.9	1922.9	1593.6	1275.4	1002.2	790.2	613.5
-7.5°	3191.4	2981.2	2752.1	2498.6	2217.0	1902.1	1575.4	1261.4	992.5	783.2	608.7
-10°	3162.4	2952.3	2722.8	2468.9	2186.4	1873.1	1550.0	1241.8	979.1	773.3	601.9
-12.5°	3125.4	2915.3	2685.3	2430.9	2147.3	1836.1	1517.6	1216.8	961.8	760.7	593.3
-15°	3080.6	2870.6	2639.9	2384.9	2099.9	1791.0	1478.1	1186.3	940.9	745.3	582.7
-17.5°	3028.4	2818.4	2586.8	2330.9	2044.3	1738.2	1431.8	1150.5	916.2	727.2	570.3
-20°	2964.6	2755.5	2525.0	2269.4	1980.7	1677.7	1378.7	1109.4	888.0	706.5	556.1

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Scaled Data Report



REPORT NUMBER: P645408 (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°	2892.6	2681.9	2449.9	2193.1	1908.1	1609.8	1319.1	1063.3	856.2	683.1	540.1
-25°	2813.5	2600.9	2367.1	2107.1	1825.7	1537.0	1257.8	1012.2	821.0	657.2	522.3
-27.5°	2720.9	2510.2	2276.9	2013.4	1735.9	1457.4	1195.7	968.5	784.7	628.9	502.8
-30°	2618.9	2405.3	2169.9	1911.0	1638.8	1371.4	1128.5	921.6	749.8	602.1	481.7
-32.5°	2507.3	2293.3	2052.7	1797.8	1537.0	1280.2	1056.3	871.3	712.3	576.0	463.0
-35°	2380.1	2164.2	1927.9	1677.7	1429.7	1195.7	986.3	817.7	672.3	548.0	444.5
-37.5°	2245.2	2023.4	1791.0	1552.7	1316.4	1106.3	923.4	766.6	629.8	518.3	424.8
-40°	2087.5	1873.1	1647.6	1423.6	1209.8	1012.2	857.1	716.6	591.8	487.0	404.0
-42.5°	1922.9	1712.7	1501.3	1288.9	1102.6	935.6	789.0	664.2	554.6	459.3	382.1
-45°	1745.6	1548.3	1350.6	1167.9	995.3	856.2	728.6	611.1	515.8	433.1	360.3
-47.5°	1564.0	1381.6	1207.5	1043.0	905.8	777.5	665.7	566.0	475.6	405.8	339.3
-50°	1381.6	1220.8	1069.2	935.8	813.4	706.5	604.2	519.3	443.6	377.4	317.5
-52.5°	1207.5	1069.2	945.9	833.3	731.1	633.2	551.1	472.4	410.6	350.5	294.9
-55°	1043.0	935.8	833.3	739.3	649.5	570.3	496.5	434.5	376.5	323.8	271.4
-57.5°	905.8	813.4	731.1	649.5	576.7	509.3	449.0	395.7	344.8	296.4	246.2
-60°	777.5	706.5	633.2	570.3	509.3	453.8	405.3	357.4	313.2	268.0	220.4
-62.5°	665.7	604.2	551.1	496.5	449.0	405.3	361.6	321.6	280.8	237.8	193.9
-65°	566.0	519.3	472.4	434.5	395.7	357.4	321.6	285.0	246.6	207.0	167.6
-67.5°	475.6	443.6	410.6	376.5	344.8	313.2	280.8	246.6	211.4	175.6	142.7
-70°	405.8	377.4	350.5	323.8	296.4	268.0	237.8	207.0	175.6	146.6	117.2
-72.5°	339.3	317.5	294.9	271.4	246.2	220.4	193.9	167.6	142.7	117.2	91.5
-75°	276.8	257.3	237.0	216.0	194.4	172.5	151.9	130.8	109.4	87.5	71.4
-77.5°	210.9	194.5	177.6	161.5	145.2	128.4	111.2	93.6	78.5	66.0	53.3
-80°	147.3	135.5	123.2	110.5	97.4	84.2	74.8	65.1	55.2	45.2	35.0
-82.5°	86.8	80.1	73.7	67.2	60.5	53.6	46.5	39.2	31.8	24.3	20.5
-85°	44.5	40.4	36.2	31.8	27.4	22.8	21.0	19.3	17.4	15.6	13.7
-87.5°	15.4	14.7	13.9	13.1	12.2	11.4	10.5	9.6	8.7	7.8	6.9
-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: P645408 (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°	5.9	4.9	4.0	3.0	2.0	1.0	0.0
85°	11.8	9.9	7.9	5.9	4.0	2.0	0.0
82.5°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
80°	24.7	19.6	15.8	11.8	7.9	4.0	0.0
77.5°	40.4	27.4	19.6	14.8	9.9	4.9	0.0
75°	56.0	40.4	24.7	17.7	11.8	5.9	0.0
72.5°	71.4	53.3	35.0	20.5	13.7	6.9	0.0
70°	87.5	66.0	45.2	24.3	15.6	7.8	0.0
67.5°	109.4	78.5	55.2	31.8	17.4	8.7	0.0
65°	130.8	93.6	65.1	39.2	19.3	9.6	0.0
62.5°	151.9	111.2	74.8	46.5	21.0	10.5	0.0
60°	172.5	128.4	84.2	53.6	22.8	11.4	0.0
57.5°	194.4	145.2	97.4	60.5	27.4	12.2	0.0
55°	216.0	161.5	110.5	67.2	31.8	13.1	0.0
52.5°	237.0	177.6	123.2	73.7	36.2	13.9	0.0
50°	257.3	194.5	135.5	80.1	40.4	14.7	0.0
47.5°	276.8	210.9	147.3	86.8	44.5	15.4	0.0
45°	294.8	226.6	158.7	95.4	48.4	16.1	0.0
42.5°	312.0	241.6	169.6	103.5	52.1	16.8	0.0
40°	328.5	256.0	180.5	111.3	55.7	17.5	0.0
37.5°	344.1	269.6	191.4	118.7	59.1	18.1	0.0
35°	359.0	282.1	201.7	125.7	62.3	18.7	0.0
32.5°	373.5	293.7	211.4	132.3	65.3	19.2	0.0
30°	388.3	304.5	220.4	138.4	68.1	19.7	0.0
27.5°	402.0	314.6	228.8	144.1	70.7	20.2	0.0
25°	414.6	323.8	236.6	149.3	73.1	20.7	0.0
22.5°	426.2	332.2	243.6	154.1	75.3	21.1	0.0
20°	436.6	339.8	249.9	158.4	77.2	21.4	0.0
17.5°	445.8	346.6	255.5	162.2	79.0	21.7	0.0
15°	453.8	352.4	260.4	165.5	80.5	22.0	0.0
12.5°	460.7	357.4	264.6	168.4	81.8	22.3	0.0
10°	466.3	361.5	268.0	170.7	82.8	22.5	0.0
7.5°	470.7	364.7	270.7	172.5	83.6	22.6	0.0
5°	473.8	367.0	272.6	173.8	84.2	22.7	0.0
2.5°	475.7	368.3	273.7	174.5	84.6	22.8	0.0
0°	476.3	368.8	274.1	174.8	84.7	22.8	0.0
-2.5°	475.7	368.3	273.7	174.5	84.6	22.8	0.0
-5°	473.8	367.0	272.6	173.8	84.2	22.7	0.0
-7.5°	470.7	364.7	270.7	172.5	83.6	22.6	0.0
-10°	466.3	361.5	268.0	170.7	82.8	22.5	0.0
-12.5°	460.7	357.4	264.6	168.4	81.8	22.3	0.0
-15°	453.8	352.4	260.4	165.5	80.5	22.0	0.0
-17.5°	445.8	346.6	255.5	162.2	79.0	21.7	0.0
-20°	436.6	339.8	249.9	158.4	77.2	21.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	426.2	332.2	243.6	154.1	75.3	21.1	0.0
-25°	414.6	323.8	236.6	149.3	73.1	20.7	0.0
-27.5°	402.0	314.6	228.8	144.1	70.7	20.2	0.0
-30°	388.3	304.5	220.4	138.4	68.1	19.7	0.0
-32.5°	373.5	293.7	211.4	132.3	65.3	19.2	0.0
-35°	359.0	282.1	201.7	125.7	62.3	18.7	0.0
-37.5°	344.1	269.6	191.4	118.7	59.1	18.1	0.0
-40°	328.5	256.0	180.5	111.3	55.7	17.5	0.0
-42.5°	312.0	241.6	169.6	103.5	52.1	16.8	0.0
-45°	294.8	226.6	158.7	95.4	48.4	16.1	0.0
-47.5°	276.8	210.9	147.3	86.8	44.5	15.4	0.0
-50°	257.3	194.5	135.5	80.1	40.4	14.7	0.0
-52.5°	237.0	177.6	123.2	73.7	36.2	13.9	0.0
-55°	216.0	161.5	110.5	67.2	31.8	13.1	0.0
-57.5°	194.4	145.2	97.4	60.5	27.4	12.2	0.0
-60°	172.5	128.4	84.2	53.6	22.8	11.4	0.0
-62.5°	151.9	111.2	74.8	46.5	21.0	10.5	0.0
-65°	130.8	93.6	65.1	39.2	19.3	9.6	0.0
-67.5°	109.4	78.5	55.2	31.8	17.4	8.7	0.0
-70°	87.5	66.0	45.2	24.3	15.6	7.8	0.0
-72.5°	71.4	53.3	35.0	20.5	13.7	6.9	0.0
-75°	56.0	40.4	24.7	17.7	11.8	5.9	0.0
-77.5°	40.4	27.4	19.6	14.8	9.9	4.9	0.0
-80°	24.7	19.6	15.8	11.8	7.9	4.0	0.0
-82.5°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
-85°	11.8	9.9	7.9	5.9	4.0	2.0	0.0
-87.5°	5.9	4.9	4.0	3.0	2.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)