

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



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

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-730-U-WR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-730-U-WR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

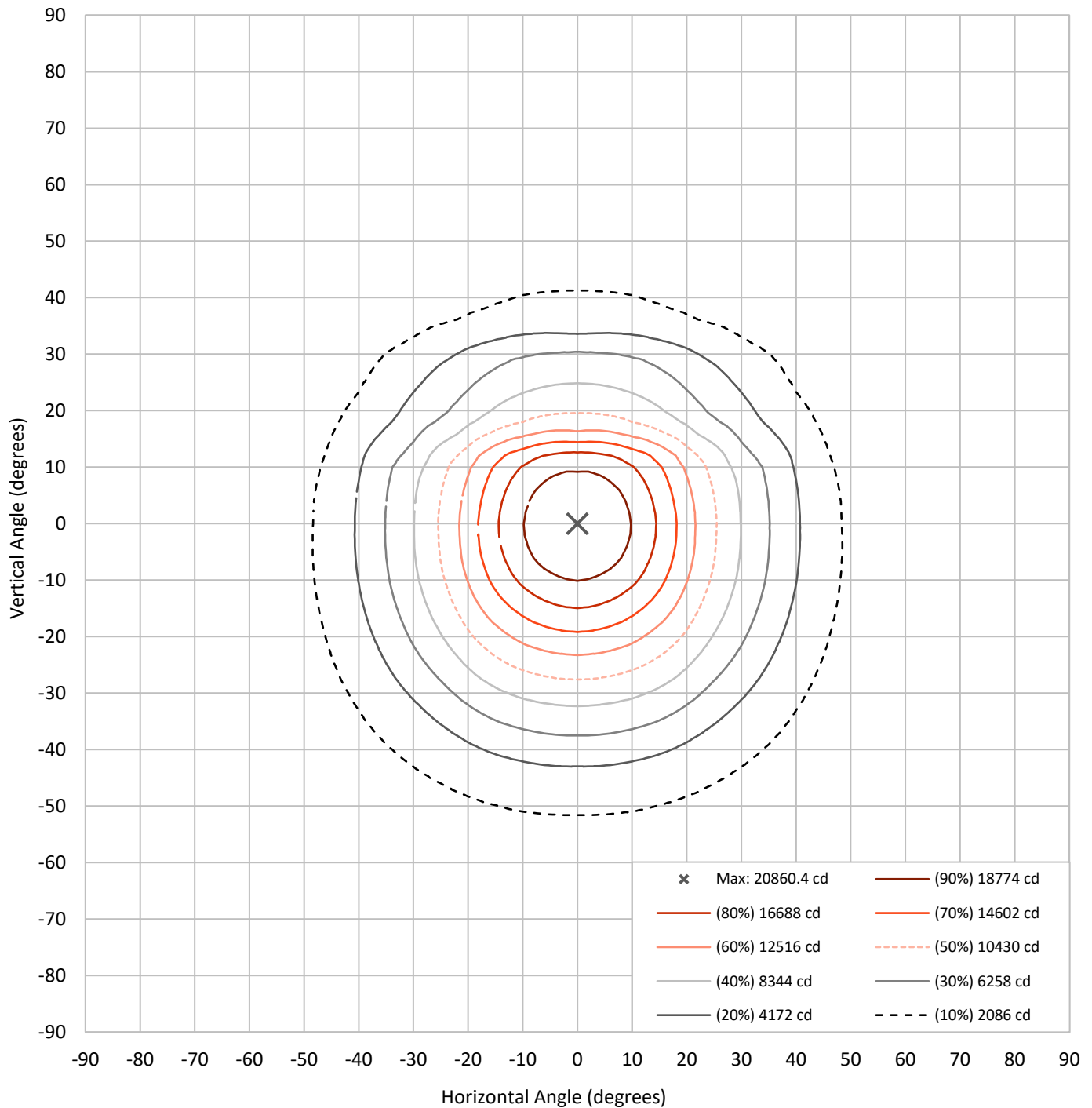
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	18403.4 lumens	Max Intensity:	20860.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	109.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	8860.4 lumens	Field Lumens:	16477.3 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%
Input Watts (W):	168.2		
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: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

Iso-Candela Plot





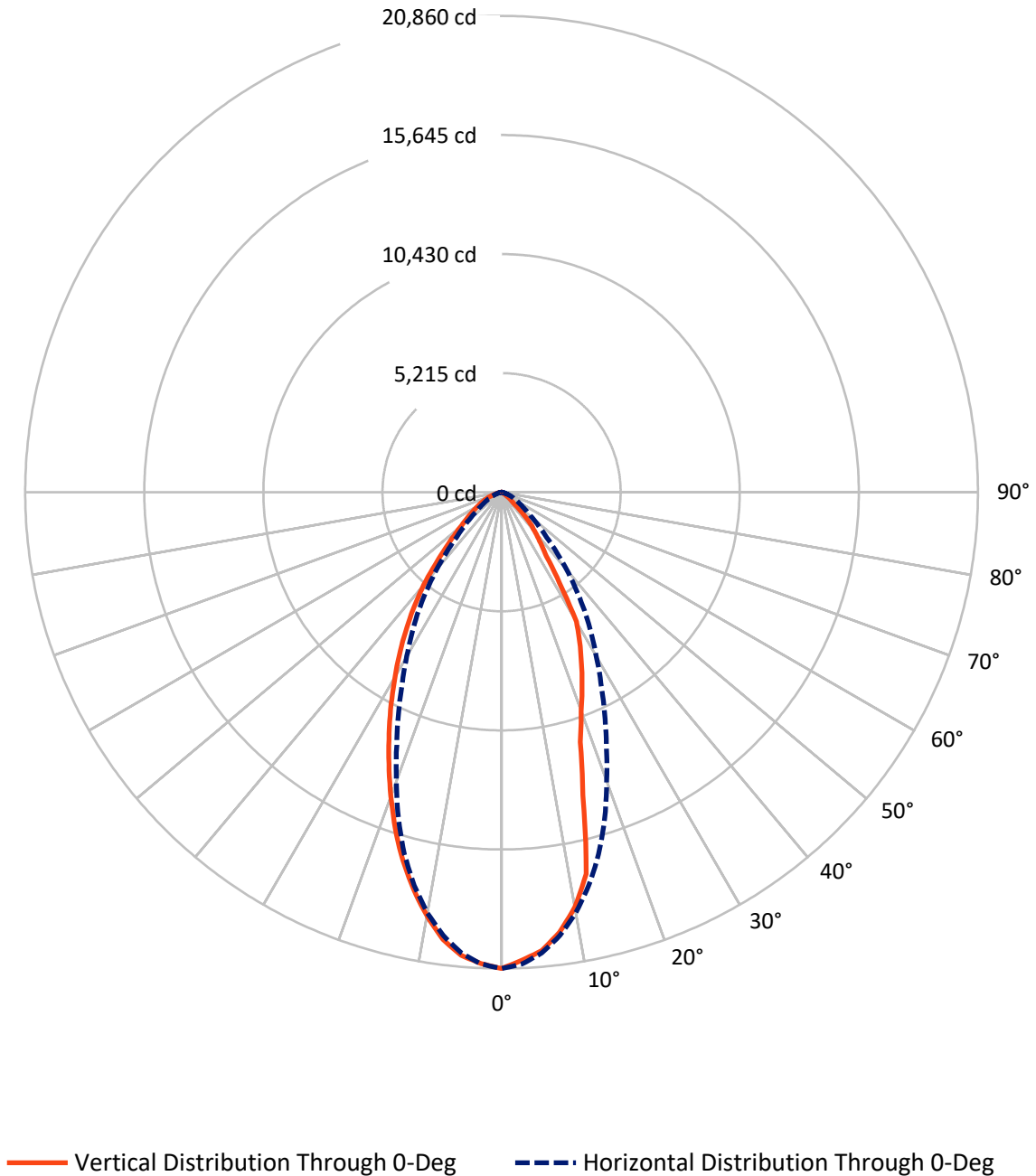
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Lumen Table

90																			
80	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0						
70																			
60	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1				
50		0.4	1.0	1.7	2.9	4.2	5.8	6.5	6.5	5.8	4.2	2.9	1.7	1.0		0.4			
40	0.8	1.4	3.6	7.5	13.7	22.5	32.4	39.8	39.8	32.4	22.5	13.7	7.5	3.6	1.4	0.8			
30		2.8	7.2	16.6	34.4	63.1	96.5	116.1	116.1	96.5	63.1	34.4	16.6	7.2	2.8				
20	2.0	4.4	11.7	30.2	71.5	134.2	204.3	246.2	246.2	204.3	134.2	71.5	30.2	11.7	4.4	2.0			
10		6.0	16.6	47.4	117.6	217.5	339.8	420.1	420.1	339.8	217.5	117.6	47.4	16.6	6.0				
0	2.9	6.9	20.9	61.3	154.4	287.8	462.2	585.9	585.9	462.2	287.8	154.4	61.3	20.9	6.9	2.9			
-10		7.2	21.7	63.2	156.7	292.0	466.8	589.6	589.6	466.8	292.0	156.7	63.2	21.7	7.2				
-20	3.0	7.1	20.6	56.3	138.8	256.4	395.2	487.7	487.7	395.2	256.4	138.8	56.3	20.6	7.1	3.0			
-30		6.6	17.8	44.1	103.6	193.3	288.1	345.4	345.4	288.1	193.3	103.6	44.1	17.8	6.6				
-40	2.6	5.8	14.4	31.9	65.2	119.9	180.9	215.4	215.4	180.9	119.9	65.2	31.9	14.4	5.8	2.6			
-50		4.8	11.1	22.0	39.2	62.8	90.0	107.2	107.2	90.0	62.8	39.2	22.0	11.1	4.8				
-60	1.6	3.7	8.1	14.7	23.9	34.4	44.5	50.4	50.4	44.5	34.4	23.9	14.7	8.1	3.7	1.6			
-70		2.6	5.4	9.0	13.9	18.9	23.1	25.3	25.3	23.1	18.9	13.9	9.0	5.4	2.6				
-80	0.4	5.2	13.5	24.2	22.0	24.2	13.5	5.2	0.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

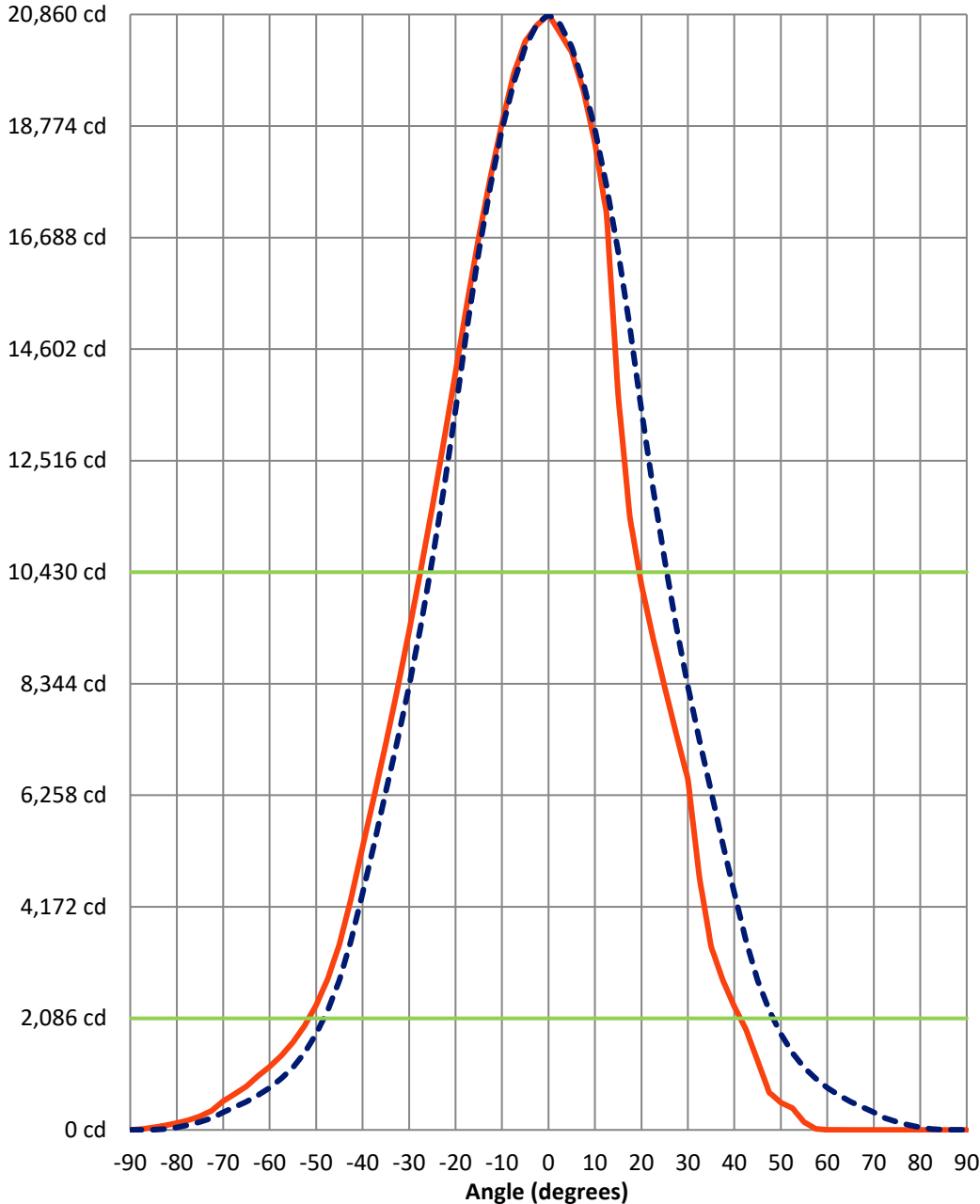
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 50.9°
 V Angle: 47.1°
 Lumens: 8860.4
 Efficiency: 48.1%

Field:
 H Angle: 96.7°
 V Angle: 92.9°
 Lumens: 16477.3
 Efficiency: 89.5%

Spill:
 Lumens: 1926.1
 Efficiency: 10.5%

— Vertical Distribution through 0-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	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6
85°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
82.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.5	1.5
80°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.5	1.5	1.5	1.5
77.5°	0.0	0.3	0.6	1.0	1.3	1.5	1.5	1.5	1.5	1.5	1.5
75°	0.0	0.4	0.8	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	0.0	0.5	0.9	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	0.0	0.5	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6
67.5°	0.0	0.6	1.1	1.5	1.5	1.5	1.6	1.5	1.5	1.9	1.9
65°	0.0	0.6	1.3	1.5	1.5	1.7	1.8	1.5	2.2	2.5	2.9
62.5°	0.0	0.7	1.4	1.5	1.5	2.0	2.0	2.0	2.9	4.0	6.2
60°	0.0	0.7	1.5	1.5	1.5	2.4	2.3	2.8	3.6	9.9	10.7
57.5°	0.0	0.8	1.5	1.5	1.9	2.8	4.0	3.9	9.7	16.6	18.3
55°	0.0	0.9	1.5	1.5	2.4	3.3	6.2	5.7	17.8	25.1	28.4
52.5°	0.0	0.9	1.6	1.5	2.9	4.1	8.6	14.0	26.6	37.2	40.1
50°	0.0	1.0	1.6	1.5	3.4	6.7	11.4	23.2	37.2	50.7	61.2
47.5°	0.0	1.0	1.6	1.6	3.9	9.5	15.2	32.5	51.1	65.5	83.1
45°	0.0	1.1	1.7	2.0	4.4	12.4	23.2	41.8	65.0	84.8	104.6
42.5°	0.0	1.1	1.7	2.4	5.0	15.5	31.3	52.8	78.9	103.9	128.6
40°	0.0	1.1	1.8	3.0	6.5	18.8	39.3	64.8	93.3	122.5	153.6
37.5°	0.0	1.2	1.8	3.6	9.1	22.2	47.2	76.7	108.9	141.7	179.2
35°	0.0	1.2	1.9	4.3	11.7	27.6	55.1	88.4	124.7	164.6	207.0
32.5°	0.0	1.3	2.0	5.1	14.3	33.8	63.4	99.9	140.4	188.1	238.2
30°	0.0	1.3	2.0	5.9	16.9	39.8	72.7	111.6	156.1	212.1	269.7
27.5°	0.0	1.3	2.1	6.7	19.9	45.7	81.7	124.4	173.3	236.5	301.3
25°	0.0	1.4	2.2	7.6	22.9	51.4	90.4	137.0	193.2	262.5	332.9
22.5°	0.0	1.4	2.3	8.5	25.8	56.9	98.8	149.2	212.9	288.7	365.0
20°	0.0	1.4	2.4	9.4	28.6	62.2	106.7	161.0	232.3	314.4	395.6
17.5°	0.0	1.4	2.5	10.4	31.4	67.3	114.1	172.3	251.1	339.4	424.5
15°	0.0	1.4	2.5	11.3	34.0	72.0	120.8	182.4	269.3	363.5	451.9
12.5°	0.0	1.5	2.6	12.3	36.4	76.4	127.0	190.8	284.4	386.4	477.4
10°	0.0	1.5	2.7	13.2	38.7	80.4	132.7	198.3	296.5	400.0	497.5
7.5°	0.0	1.5	2.8	14.1	40.9	84.0	137.7	204.9	307.1	410.3	508.0
5°	0.0	1.5	2.9	14.9	42.9	87.2	142.1	210.5	316.1	418.6	516.5
2.5°	0.0	1.5	2.9	15.7	44.6	90.0	145.9	215.2	323.6	424.8	523.0
0°	0.0	1.5	3.0	16.4	46.2	92.4	149.0	219.0	329.3	429.1	527.5
-2.5°	0.0	1.6	3.5	17.4	48.3	95.3	153.1	225.3	335.7	435.3	534.5
-5°	0.0	1.7	3.9	18.4	50.2	97.8	156.4	230.6	340.4	439.8	539.4
-7.5°	0.0	1.8	4.3	19.3	51.8	99.7	159.1	234.7	343.4	442.5	542.3
-10°	0.0	1.9	4.7	20.0	53.1	101.2	161.0	237.7	344.7	443.6	543.2
-12.5°	0.0	1.9	5.1	20.7	54.0	102.2	162.1	239.4	344.3	443.0	540.7
-15°	0.0	2.0	5.5	21.2	54.7	102.7	162.4	239.7	341.8	439.1	535.5
-17.5°	0.0	2.1	5.8	21.6	55.0	102.6	162.0	239.3	337.4	433.9	528.2
-20°	0.0	2.1	6.1	21.9	54.9	102.0	161.5	238.1	331.8	427.3	518.9

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Scaled Data Report



REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.2	6.4	22.0	54.5	100.9	161.6	236.0	325.3	419.5	507.7
-25°	0.0	2.2	6.7	22.0	53.6	100.5	160.9	232.8	317.8	410.6	494.5
-27.5°	0.0	2.3	6.9	21.8	52.4	100.1	159.3	228.7	309.5	400.3	482.3
-30°	0.0	2.3	7.0	21.5	50.9	99.0	157.0	223.7	302.2	388.6	469.1
-32.5°	0.0	2.3	7.1	21.1	50.3	97.3	153.8	219.5	295.0	376.5	455.1
-35°	0.0	2.3	7.2	20.4	49.2	95.0	150.8	214.9	286.9	364.0	440.1
-37.5°	0.0	2.3	7.2	19.7	47.7	92.4	147.4	209.4	277.7	351.1	422.6
-40°	0.0	2.3	7.2	18.7	45.8	90.2	143.2	202.9	267.7	339.0	403.8
-42.5°	0.0	2.2	7.1	17.9	44.5	87.4	138.1	195.5	258.4	323.4	383.8
-45°	0.0	2.2	7.0	17.2	43.6	84.0	132.2	187.8	248.9	306.7	363.0
-47.5°	0.0	2.1	6.9	16.2	42.3	80.0	125.6	179.9	238.2	289.4	343.8
-50°	0.0	2.1	6.7	16.0	40.5	75.5	119.7	171.0	224.2	273.7	324.0
-52.5°	0.0	2.0	6.4	15.7	38.3	70.4	113.4	161.2	210.3	257.2	303.9
-55°	0.0	1.9	6.1	15.3	35.6	66.3	106.4	150.7	195.9	240.1	285.0
-57.5°	0.0	1.8	5.8	14.7	32.5	61.8	98.7	141.4	180.8	222.8	265.3
-60°	0.0	1.7	5.4	13.9	29.2	56.6	90.5	130.1	165.3	204.9	245.1
-62.5°	0.0	1.6	5.1	12.9	27.2	50.9	82.6	117.6	150.0	186.3	224.2
-65°	0.0	1.5	4.7	11.8	24.8	44.7	73.9	104.5	133.7	166.6	202.5
-67.5°	0.0	1.4	4.3	10.5	22.2	39.1	64.4	91.3	116.4	145.8	178.5
-70°	0.0	1.2	3.9	9.1	19.3	34.3	54.3	77.6	100.1	124.1	152.6
-72.5°	0.0	1.1	3.5	8.0	16.2	29.1	46.2	63.5	83.3	104.4	126.5
-75°	0.0	1.0	3.0	7.0	12.9	23.6	37.9	51.8	66.1	84.2	103.3
-77.5°	0.0	0.8	2.5	5.9	10.7	17.8	29.2	40.7	52.5	64.9	79.4
-80°	0.0	0.6	2.1	4.8	8.6	13.6	20.2	29.4	39.1	49.2	59.8
-82.5°	0.0	0.5	1.6	3.6	6.5	10.3	14.9	19.7	25.4	33.2	41.4
-85°	0.0	0.3	1.0	2.4	4.4	6.9	10.0	13.2	16.8	20.7	25.1
-87.5°	0.0	0.2	0.5	1.2	2.2	3.5	5.0	6.6	8.4	10.4	12.6
-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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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	1.5	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	1.2
67.5°	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.2	0.8
65°	1.5	1.5	2.1	2.2	1.6	1.5	1.5	1.5	1.6	1.4	1.4
62.5°	2.2	2.7	3.4	5.2	3.9	1.5	2.9	3.4	2.3	1.9	2.0
60°	6.5	4.5	11.5	15.9	10.4	5.5	6.7	13.5	11.2	3.0	7.9
57.5°	13.2	16.2	28.9	30.3	23.3	15.7	34.5	38.3	31.7	19.9	28.7
55°	27.4	38.5	48.7	48.1	48.4	60.9	71.6	70.2	61.9	85.4	107.6
52.5°	51.9	63.4	70.2	76.4	93.8	105.4	108.7	115.3	139.6	168.7	173.9
50°	76.1	88.0	96.9	119.6	137.4	146.6	155.0	177.3	214.0	234.0	237.2
47.5°	100.7	114.0	137.4	162.2	179.4	193.2	208.0	258.5	299.5	316.5	322.6
45°	126.3	149.3	178.5	204.0	224.0	242.6	290.6	359.6	388.4	414.4	480.7
42.5°	153.0	187.5	220.4	247.1	269.6	308.7	375.4	442.3	483.5	538.9	618.9
40°	186.9	225.6	263.8	290.9	319.0	378.3	460.8	531.6	575.3	649.6	740.7
37.5°	221.3	266.6	307.8	336.5	376.0	456.1	553.1	637.9	692.1	752.5	899.0
35°	255.4	308.5	350.7	389.1	437.9	548.4	668.0	762.3	829.3	932.8	1118.2
32.5°	291.7	351.0	394.3	446.5	526.7	650.2	797.1	901.8	1012.9	1161.9	1458.9
30°	330.4	390.9	440.6	503.4	611.0	755.1	925.6	1057.1	1207.9	1449.9	1770.1
27.5°	368.9	430.6	491.9	571.8	689.8	845.6	1023.6	1231.1	1425.9	1696.5	2046.5
25°	406.0	471.2	542.1	638.7	766.3	929.4	1123.7	1363.0	1617.3	1926.8	2337.8
22.5°	441.4	512.3	595.4	699.1	830.9	1008.9	1240.7	1521.8	1827.3	2147.9	2620.2
20°	476.1	558.2	653.5	769.6	890.3	1082.3	1355.1	1695.5	2078.4	2517.7	2980.5
17.5°	510.3	603.6	713.6	842.7	988.9	1185.4	1472.4	1877.6	2343.6	2915.4	3485.2
15°	543.9	648.0	771.7	914.8	1088.3	1323.2	1649.2	2094.5	2657.6	3342.3	4017.2
12.5°	576.5	691.2	827.5	985.3	1184.8	1452.9	1815.8	2296.2	2941.4	3759.4	4588.6
10°	607.7	732.6	880.4	1053.3	1277.1	1573.6	1963.0	2470.7	3155.5	3998.6	4920.7
7.5°	623.6	760.6	925.6	1117.9	1364.3	1684.4	2091.2	2618.1	3322.8	4190.9	5115.5
5°	634.9	773.4	942.6	1143.8	1412.2	1759.8	2189.2	2738.7	3446.1	4335.5	5247.4
2.5°	643.7	782.6	955.0	1158.4	1431.1	1784.9	2221.6	2780.8	3512.2	4411.1	5324.3
0°	649.7	788.2	962.6	1166.7	1440.9	1797.0	2236.5	2798.3	3540.3	4428.4	5352.2
-2.5°	656.1	795.9	970.6	1179.7	1454.6	1813.5	2253.0	2810.6	3561.3	4433.2	5367.3
-5°	659.7	800.0	973.7	1185.9	1458.9	1816.6	2251.8	2798.8	3544.6	4398.4	5334.4
-7.5°	660.8	800.5	972.0	1184.7	1453.3	1802.5	2228.0	2763.9	3486.8	4328.0	5253.9
-10°	659.1	797.0	965.5	1173.9	1436.9	1773.3	2185.5	2703.4	3391.8	4211.7	5117.8
-12.5°	654.3	789.6	954.1	1156.4	1410.6	1731.7	2125.5	2617.1	3259.9	4050.1	4925.9
-15°	646.6	778.5	937.5	1132.1	1374.2	1678.1	2048.4	2505.1	3090.1	3844.7	4687.0
-17.5°	635.9	763.7	915.7	1101.1	1327.8	1613.0	1955.3	2374.0	2906.9	3615.4	4421.3
-20°	622.3	745.4	888.9	1063.5	1274.3	1544.5	1868.8	2257.9	2735.5	3352.9	4107.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	605.8	723.5	860.5	1027.5	1226.8	1473.4	1772.1	2126.2	2543.3	3049.5	3765.7
-25°	588.9	702.6	832.8	987.4	1172.5	1392.8	1661.5	1984.1	2361.8	2825.1	3417.3
-27.5°	572.1	678.5	800.8	941.2	1111.7	1309.6	1557.5	1851.6	2188.2	2582.2	3064.5
-30°	553.3	651.6	765.6	892.7	1053.5	1237.2	1451.4	1703.4	2002.7	2358.8	2778.0
-32.5°	532.7	622.7	731.5	850.8	991.0	1158.3	1343.6	1571.5	1831.9	2125.6	2488.0
-35°	512.2	598.1	696.5	805.6	924.0	1080.6	1250.9	1440.0	1661.5	1921.6	2211.4
-37.5°	492.5	571.2	659.0	760.7	871.8	1001.8	1152.3	1323.0	1513.7	1720.6	1971.0
-40°	470.5	542.2	625.2	717.4	815.6	928.3	1064.0	1208.9	1373.0	1555.1	1748.5
-42.5°	446.6	515.5	591.3	670.7	760.9	861.6	974.1	1106.6	1242.9	1395.5	1564.3
-45°	423.3	486.5	555.8	628.3	704.2	793.1	895.3	1005.6	1126.5	1250.9	1392.7
-47.5°	398.6	456.4	520.9	584.1	651.3	727.2	813.9	913.9	1014.8	1125.6	1235.5
-50°	374.0	428.2	482.4	541.4	601.6	664.7	738.0	824.3	916.1	1008.0	1104.8
-52.5°	351.9	398.8	447.8	498.4	553.2	609.4	670.5	741.6	821.9	902.9	986.3
-55°	329.3	372.6	413.1	458.4	505.8	556.4	610.8	670.7	731.2	805.1	876.8
-57.5°	307.3	345.6	380.9	419.5	461.7	504.7	553.7	604.6	659.6	715.3	774.1
-60°	285.2	317.8	349.7	383.1	418.5	456.8	496.2	540.9	588.1	636.5	687.4
-62.5°	262.3	288.8	316.9	347.5	378.6	408.1	441.2	477.7	516.6	558.2	601.3
-65°	236.8	258.7	282.2	308.8	338.0	361.8	387.1	414.6	446.8	481.0	514.9
-67.5°	209.5	228.9	248.0	267.8	291.5	312.8	333.6	355.5	379.5	407.5	434.7
-70°	179.0	198.4	215.3	231.7	246.8	262.0	279.6	296.9	316.2	341.4	366.1
-72.5°	148.1	166.3	182.3	196.2	206.8	215.9	226.7	239.3	257.8	281.2	302.9
-75°	119.8	134.5	149.4	162.8	169.6	172.4	174.6	181.2	200.0	223.9	245.1
-77.5°	93.3	106.1	118.3	129.9	134.7	136.6	137.5	137.5	151.4	171.7	193.2
-80°	68.7	77.6	88.0	97.9	100.9	101.8	101.9	101.3	112.6	127.3	143.0
-82.5°	47.8	54.2	60.8	67.5	68.4	68.0	67.0	66.0	75.2	85.7	96.6
-85°	27.8	30.5	34.5	38.7	39.2	39.0	38.3	37.1	42.2	47.9	54.0
-87.5°	13.9	15.3	16.6	17.9	17.5	16.8	15.9	14.8	16.2	17.7	19.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-WR-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	1.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.5	1.1	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.5	1.2	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.5	1.2	0.8	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.5	1.3	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.5	1.3	0.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.7	0.8	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.5	1.5	1.1	0.7	0.3	0.3	0.4	0.3	0.1	0.0	0.0
62.5°	1.9	1.9	1.3	1.3	1.4	1.5	1.2	1.1	1.0	1.1	1.2
60°	8.4	4.8	4.9	6.3	5.3	2.5	4.9	6.2	5.8	4.4	3.8
57.5°	42.8	35.8	25.0	41.9	43.2	30.1	32.7	42.6	41.3	31.9	31.8
55°	107.8	109.3	117.4	128.0	135.8	139.4	142.6	158.7	175.8	192.5	200.9
52.5°	178.0	198.8	224.7	241.8	253.8	278.3	312.7	328.5	343.8	361.2	373.8
50°	262.2	298.3	324.3	328.1	368.9	395.4	401.7	431.3	463.5	483.6	497.9
47.5°	390.0	435.8	458.4	472.8	522.6	577.1	577.1	594.1	674.8	717.0	737.4
45°	561.7	599.9	639.9	744.0	839.8	870.1	935.1	1023.2	1080.4	1159.1	1245.7
42.5°	708.0	779.6	880.0	994.6	1090.5	1170.4	1267.0	1372.8	1499.9	1619.5	1722.7
40°	852.7	941.4	1065.7	1190.4	1311.2	1421.8	1577.5	1713.6	1863.6	2028.0	2165.1
37.5°	1041.5	1155.1	1283.6	1440.7	1628.8	1751.7	1965.8	2161.3	2330.3	2528.9	2651.2
35°	1331.6	1479.6	1593.3	1911.1	2139.9	2283.5	2537.0	2858.4	2981.9	3232.0	3350.6
32.5°	1696.2	1892.9	2192.2	2613.1	2918.5	3183.0	3561.9	3888.1	4166.1	4417.3	4678.6
30°	2106.0	2409.5	2850.7	3409.9	3720.1	4090.6	4603.0	4989.7	5425.7	5904.2	6071.9
27.5°	2477.8	2932.3	3444.6	3897.6	4343.2	4804.7	5308.1	5804.9	6276.8	6675.0	6942.2
25°	2822.4	3372.9	3870.7	4354.8	4837.7	5357.4	5926.8	6490.2	7009.5	7419.2	7730.8
22.5°	3177.9	3759.4	4292.0	4783.2	5344.9	5933.8	6539.3	7185.6	7776.5	8201.6	8541.0
20°	3512.1	4158.9	4766.4	5325.6	5856.6	6536.5	7233.7	7919.2	8562.8	9069.1	9460.4
17.5°	4042.6	4604.1	5346.6	6073.1	6671.2	7295.7	8227.5	8935.0	9649.1	10255.5	10670.4
15°	4694.1	5311.5	6078.2	7075.9	7895.5	8611.0	9573.6	10724.6	11566.9	12341.0	12872.1
12.5°	5346.1	6044.4	6873.7	7996.6	9163.4	10006.3	11174.0	12632.5	13613.6	14812.2	15403.1
10°	5845.8	6722.8	7576.8	8601.5	9722.0	10922.3	12181.1	13545.7	14856.6	15885.7	16805.8
7.5°	6047.0	6981.1	7969.8	9015.2	10135.7	11374.5	12716.2	14136.0	15485.1	16634.6	17645.7
5°	6197.4	7154.6	8149.6	9218.7	10416.5	11710.1	13071.8	14562.5	15940.2	17172.3	18206.7
2.5°	6293.0	7259.1	8249.9	9336.8	10596.6	11928.6	13334.1	14864.2	16262.7	17531.0	18562.1
0°	6329.6	7281.8	8296.5	9415.5	10662.6	11997.7	13463.9	15012.0	16421.6	17647.9	18708.8
-2.5°	6334.6	7260.7	8299.5	9413.1	10606.4	11954.0	13437.8	14973.1	16354.0	17575.3	18645.7
-5°	6284.9	7210.6	8250.3	9347.0	10542.0	11879.4	13299.6	14783.1	16100.2	17288.8	18319.4
-7.5°	6184.1	7107.2	8124.0	9195.5	10358.3	11655.6	13019.6	14398.9	15690.9	16830.9	17814.5
-10°	6034.5	6938.2	7919.8	8963.8	10064.0	11298.0	12598.6	13916.5	15128.1	16182.4	17091.8
-12.5°	5832.0	6714.8	7652.2	8648.9	9673.0	10849.5	12077.5	13315.1	14419.5	15382.0	16197.9
-15°	5569.0	6431.1	7338.8	8281.4	9274.6	10338.5	11440.6	12575.7	13594.2	14447.8	15193.2
-17.5°	5259.1	6095.3	6957.3	7831.1	8773.5	9771.6	10794.7	11813.7	12682.4	13440.6	14122.3
-20°	4913.6	5719.4	6538.1	7352.7	8207.6	9130.8	10075.7	10970.7	11729.9	12418.9	13042.7



REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4526.3	5297.5	6082.3	6844.7	7615.6	8451.4	9295.3	10104.7	10814.8	11404.2	11946.2
-25°	4111.7	4824.2	5565.3	6280.1	6989.7	7738.7	8505.2	9249.9	9874.9	10386.6	10834.5
-27.5°	3693.9	4345.0	4998.0	5670.9	6326.7	7017.9	7711.9	8355.2	8916.2	9387.3	9763.7
-30°	3254.7	3836.9	4433.1	5042.0	5668.2	6300.8	6927.8	7491.0	7980.8	8395.1	8720.4
-32.5°	2889.7	3332.0	3858.4	4411.2	4998.2	5574.5	6119.9	6633.3	7094.9	7456.7	7732.5
-35°	2540.0	2914.4	3308.7	3797.9	4302.3	4832.6	5334.4	5792.6	6204.0	6520.1	6779.6
-37.5°	2239.2	2535.4	2868.8	3218.1	3641.0	4079.4	4532.2	4963.1	5330.0	5605.8	5837.5
-40°	1979.0	2212.8	2479.2	2756.1	3067.2	3382.2	3776.5	4140.1	4439.6	4697.4	4907.3
-42.5°	1743.6	1941.0	2137.7	2364.8	2599.6	2852.8	3129.5	3398.5	3628.3	3844.1	4022.4
-45°	1540.5	1698.2	1855.0	2030.4	2202.7	2408.7	2606.3	2782.7	2968.9	3130.4	3257.6
-47.5°	1362.9	1485.8	1620.2	1751.5	1889.9	2045.0	2192.1	2326.3	2462.7	2580.9	2675.6
-50°	1205.0	1306.9	1416.7	1519.8	1631.8	1745.2	1854.0	1960.8	2064.4	2154.3	2224.2
-52.5°	1066.9	1155.9	1241.4	1323.5	1412.6	1496.5	1575.3	1663.4	1744.4	1815.3	1863.1
-55°	949.2	1021.9	1092.0	1160.6	1227.9	1291.5	1354.3	1422.7	1485.2	1541.5	1577.2
-57.5°	838.8	900.6	960.0	1016.0	1069.4	1120.0	1172.9	1225.5	1273.6	1316.1	1343.6
-60°	738.3	788.8	840.2	885.9	928.9	969.3	1013.9	1056.0	1094.9	1127.5	1146.6
-62.5°	646.2	691.5	729.4	765.6	802.2	838.6	870.2	901.3	931.3	956.6	973.3
-65°	549.9	588.3	620.6	649.6	675.9	704.1	731.1	755.4	777.1	793.5	804.0
-67.5°	463.8	492.1	517.9	541.0	564.4	587.0	607.7	626.2	642.5	654.0	661.5
-70°	388.9	410.5	431.7	452.7	473.6	491.2	506.2	520.0	532.5	537.8	540.1
-72.5°	323.2	342.4	361.0	379.5	396.8	410.6	421.7	431.8	440.9	433.1	419.3
-75°	263.6	280.5	297.8	314.1	329.5	340.0	348.2	355.8	362.7	345.6	322.2
-77.5°	214.8	229.6	242.5	255.2	267.8	274.5	279.8	284.9	289.8	270.8	246.7
-80°	159.4	171.3	182.2	192.9	203.5	207.5	209.8	211.3	212.2	195.9	177.1
-82.5°	107.7	113.9	119.9	126.1	132.5	135.9	138.4	140.3	141.7	130.1	117.1
-85°	60.3	62.2	63.7	64.9	66.0	68.1	70.1	71.9	73.6	68.1	62.1
-87.5°	20.7	20.7	20.7	20.5	20.3	20.4	20.3	20.3	20.2	19.3	18.4
-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: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-WR-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	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
62.5°	1.3	1.4	1.5	1.5	1.5	1.4	1.3	1.2	1.1	1.0	1.1
60°	3.0	1.8	1.5	1.5	1.5	1.8	3.0	3.8	4.4	5.8	6.2
57.5°	29.6	25.8	23.2	20.9	23.2	25.8	29.6	31.8	31.9	41.3	42.6
55°	197.3	183.8	167.1	147.5	167.1	183.8	197.3	200.9	192.5	175.8	158.7
52.5°	387.1	400.0	407.4	406.8	407.4	400.0	387.1	373.8	361.2	343.8	328.5
50°	509.5	516.5	516.9	511.1	516.9	516.5	509.5	497.9	483.6	463.5	431.3
47.5°	746.6	736.8	719.9	701.8	719.9	736.8	746.6	737.4	717.0	674.8	594.1
45°	1302.7	1334.0	1332.0	1291.9	1332.0	1334.0	1302.7	1245.7	1159.1	1080.4	1023.2
42.5°	1780.3	1827.3	1860.5	1877.4	1860.5	1827.3	1780.3	1722.7	1619.5	1499.9	1372.8
40°	2242.3	2287.7	2307.7	2306.6	2307.7	2287.7	2242.3	2165.1	2028.0	1863.6	1713.6
37.5°	2730.5	2789.3	2817.8	2804.2	2817.8	2789.3	2730.5	2651.2	2528.9	2330.3	2161.3
35°	3402.0	3457.0	3458.0	3430.0	3458.0	3457.0	3402.0	3350.6	3232.0	2981.9	2858.4
32.5°	4886.0	4904.4	4763.1	4713.0	4763.1	4904.4	4886.0	4678.6	4417.3	4166.1	3888.1
30°	6238.7	6369.1	6490.4	6551.6	6490.4	6369.1	6238.7	6071.9	5904.2	5425.7	4989.7
27.5°	7143.7	7300.5	7397.7	7403.9	7397.7	7300.5	7143.7	6942.2	6675.0	6276.8	5804.9
25°	7966.8	8142.2	8248.2	8284.5	8248.2	8142.2	7966.8	7730.8	7419.2	7009.5	6490.2
22.5°	8829.1	9035.9	9172.9	9200.9	9172.9	9035.9	8829.1	8541.0	8201.6	7776.5	7185.6
20°	9829.6	10070.2	10201.6	10196.3	10201.6	10070.2	9829.6	9460.4	9069.1	8562.8	7919.2
17.5°	11146.8	11404.9	11518.3	11468.7	11518.3	11404.9	11146.8	10670.4	10255.5	9649.1	8935.0
15°	13417.3	13957.2	13955.0	13739.5	13955.0	13957.2	13417.3	12872.1	12341.0	11566.9	10724.6
12.5°	16217.9	16620.3	17033.1	17121.9	17033.1	16620.3	16217.9	15403.1	14812.2	13613.6	12632.5
10°	17580.6	18115.1	18467.7	18458.5	18467.7	18115.1	17580.6	16805.8	15885.7	14856.6	13545.7
7.5°	18433.2	19023.6	19451.0	19441.9	19451.0	19023.6	18433.2	17645.7	16634.6	15485.1	14136.0
5°	19091.2	19746.0	20124.6	20152.6	20124.6	19746.0	19091.2	18206.7	17172.3	15940.2	14562.5
2.5°	19433.0	20116.5	20571.6	20511.7	20571.6	20116.5	19433.0	18562.1	17531.0	16262.7	14864.2
0°	19576.0	20252.4	20677.1	20860.4	20677.1	20252.4	19576.0	18708.8	17647.9	16421.6	15012.0
-2.5°	19513.5	20171.8	20641.1	20659.2	20641.1	20171.8	19513.5	18645.7	17575.3	16354.0	14973.1
-5°	19179.2	19873.8	20188.2	20355.3	20188.2	19873.8	19179.2	18319.4	17288.8	16100.2	14783.1
-7.5°	18640.0	19160.6	19560.0	19744.3	19560.0	19160.6	18640.0	17814.5	16830.9	15690.9	14398.9
-10°	17800.8	18339.7	18677.3	18829.5	18677.3	18339.7	17800.8	17091.8	16182.4	15128.1	13916.5
-12.5°	16871.2	17360.9	17681.8	17810.3	17681.8	17360.9	16871.2	16197.9	15382.0	14419.5	13315.1
-15°	15834.0	16278.7	16574.0	16697.2	16574.0	16278.7	15834.0	15193.2	14447.8	13594.2	12575.7
-17.5°	14692.3	15081.9	15376.2	15465.0	15376.2	15081.9	14692.3	14122.3	13440.6	12682.4	11813.7
-20°	13518.3	13870.5	14112.9	14165.7	14112.9	13870.5	13518.3	13042.7	12418.9	11729.9	10970.7



REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12335.4	12625.5	12822.4	12888.7	12822.4	12625.5	12335.4	11946.2	11404.2	10814.8	10104.7
-25°	11179.3	11429.8	11588.2	11647.5	11588.2	11429.8	11179.3	10834.5	10386.6	9874.9	9249.9
-27.5°	10067.5	10300.9	10446.4	10465.9	10446.4	10300.9	10067.5	9763.7	9387.3	8916.2	8355.2
-30°	8973.4	9166.3	9278.5	9326.1	9278.5	9166.3	8973.4	8720.4	8395.1	7980.8	7491.0
-32.5°	7951.0	8119.5	8220.3	8247.3	8220.3	8119.5	7951.0	7732.5	7456.7	7094.9	6633.3
-35°	6985.9	7141.5	7230.9	7223.6	7230.9	7141.5	6985.9	6779.6	6520.1	6204.0	5792.6
-37.5°	6029.1	6172.7	6253.8	6246.2	6253.8	6172.7	6029.1	5837.5	5605.8	5330.0	4963.1
-40°	5080.0	5203.9	5275.3	5292.6	5275.3	5203.9	5080.0	4907.3	4697.4	4439.6	4140.1
-42.5°	4170.7	4285.0	4342.1	4319.6	4342.1	4285.0	4170.7	4022.4	3844.1	3628.3	3398.5
-45°	3346.5	3405.7	3444.6	3468.8	3444.6	3405.7	3346.5	3257.6	3130.4	2968.9	2782.7
-47.5°	2745.0	2794.0	2820.5	2825.1	2820.5	2794.0	2745.0	2675.6	2580.9	2462.7	2326.3
-50°	2278.6	2320.3	2338.7	2333.4	2338.7	2320.3	2278.6	2224.2	2154.3	2064.4	1960.8
-52.5°	1897.6	1921.7	1938.1	1946.0	1938.1	1921.7	1897.6	1863.1	1815.3	1744.4	1663.4
-55°	1604.0	1622.8	1633.8	1637.5	1633.8	1622.8	1604.0	1577.2	1541.5	1485.2	1422.7
-57.5°	1366.6	1384.5	1391.0	1388.7	1391.0	1384.5	1366.6	1343.6	1316.1	1273.6	1225.5
-60°	1161.3	1171.5	1179.2	1183.1	1179.2	1171.5	1161.3	1146.6	1127.5	1094.9	1056.0
-62.5°	986.5	996.1	1004.1	1008.7	1004.1	996.1	986.5	973.3	956.6	931.3	901.3
-65°	811.4	815.7	816.8	815.0	816.8	815.7	811.4	804.0	793.5	777.1	755.4
-67.5°	667.2	670.7	673.1	673.5	673.1	670.7	667.2	661.5	654.0	642.5	626.2
-70°	542.3	543.8	542.1	537.9	542.1	543.8	542.3	540.1	537.8	532.5	520.0
-72.5°	405.2	390.3	375.5	359.1	375.5	390.3	405.2	419.3	433.1	440.9	431.8
-75°	297.9	272.7	263.6	254.8	263.6	272.7	297.9	322.2	345.6	362.7	355.8
-77.5°	221.6	195.4	188.4	181.8	188.4	195.4	221.6	246.7	270.8	289.8	284.9
-80°	157.4	137.0	132.5	128.1	132.5	137.0	157.4	177.1	195.9	212.2	211.3
-82.5°	103.4	89.2	86.3	83.4	86.3	89.2	103.4	117.1	130.1	141.7	140.3
-85°	55.7	49.0	47.6	46.2	47.6	49.0	55.7	62.1	68.1	73.6	71.9
-87.5°	17.4	16.3	16.4	16.4	16.4	16.3	17.4	18.4	19.3	20.2	20.3
-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):

	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°	0.0	0.0	0.0	0.3	0.7	1.0	1.2	1.2	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.0	0.0	0.4	0.8	1.2	1.5	1.5	1.5	1.5	1.5
80°	0.0	0.0	0.1	0.4	0.8	1.2	1.5	1.5	1.5	1.5	1.5
77.5°	0.0	0.0	0.1	0.5	0.8	1.2	1.5	1.5	1.5	1.5	1.5
75°	0.0	0.0	0.1	0.5	0.9	1.3	1.5	1.5	1.5	1.5	1.5
72.5°	0.0	0.0	0.1	0.4	0.9	1.3	1.5	1.5	1.5	1.5	1.5
70°	0.0	0.0	0.0	0.0	0.1	0.4	0.9	1.2	1.5	1.5	1.5
67.5°	0.0	0.0	0.3	0.6	0.8	0.8	0.7	0.8	1.2	1.5	1.5
65°	0.4	0.3	0.3	0.7	1.1	1.5	1.5	1.4	1.4	1.6	1.5
62.5°	1.2	1.5	1.4	1.3	1.3	1.9	1.9	2.0	1.9	2.3	3.4
60°	4.9	2.5	5.3	6.3	4.9	4.8	8.4	7.9	3.0	11.2	13.5
57.5°	32.7	30.1	43.2	41.9	25.0	35.8	42.8	28.7	19.9	31.7	38.3
55°	142.6	139.4	135.8	128.0	117.4	109.3	107.8	107.6	85.4	61.9	70.2
52.5°	312.7	278.3	253.8	241.8	224.7	198.8	178.0	173.9	168.7	139.6	115.3
50°	401.7	395.4	368.9	328.1	324.3	298.3	262.2	237.2	234.0	214.0	177.3
47.5°	577.1	577.1	522.6	472.8	458.4	435.8	390.0	322.6	316.5	299.5	258.5
45°	935.1	870.1	839.8	744.0	639.9	599.9	561.7	480.7	414.4	388.4	359.6
42.5°	1267.0	1170.4	1090.5	994.6	880.0	779.6	708.0	618.9	538.9	483.5	442.3
40°	1577.5	1421.8	1311.2	1190.4	1065.7	941.4	852.7	740.7	649.6	575.3	531.6
37.5°	1965.8	1751.7	1628.8	1440.7	1283.6	1155.1	1041.5	899.0	752.5	692.1	637.9
35°	2537.0	2283.5	2139.9	1911.1	1593.3	1479.6	1331.6	1118.2	932.8	829.3	762.3
32.5°	3561.9	3183.0	2918.5	2613.1	2192.2	1892.9	1696.2	1458.9	1161.9	1012.9	901.8
30°	4603.0	4090.6	3720.1	3409.9	2850.7	2409.5	2106.0	1770.1	1449.9	1207.9	1057.1
27.5°	5308.1	4804.7	4343.2	3897.6	3444.6	2932.3	2477.8	2046.5	1696.5	1425.9	1231.1
25°	5926.8	5357.4	4837.7	4354.8	3870.7	3372.9	2822.4	2337.8	1926.8	1617.3	1363.0
22.5°	6539.3	5933.8	5344.9	4783.2	4292.0	3759.4	3177.9	2620.2	2147.9	1827.3	1521.8
20°	7233.7	6536.5	5856.6	5325.6	4766.4	4158.9	3512.1	2980.5	2517.7	2078.4	1695.5
17.5°	8227.5	7295.7	6671.2	6073.1	5346.6	4604.1	4042.6	3485.2	2915.4	2343.6	1877.6
15°	9573.6	8611.0	7895.5	7075.9	6078.2	5311.5	4694.1	4017.2	3342.3	2657.6	2094.5
12.5°	11174.0	10006.3	9163.4	7996.6	6873.7	6044.4	5346.1	4588.6	3759.4	2941.4	2296.2
10°	12181.1	10922.3	9722.0	8601.5	7576.8	6722.8	5845.8	4920.7	3998.6	3155.5	2470.7
7.5°	12716.2	11374.5	10135.7	9015.2	7969.8	6981.1	6047.0	5115.5	4190.9	3322.8	2618.1
5°	13071.8	11710.1	10416.5	9218.7	8149.6	7154.6	6197.4	5247.4	4335.5	3446.1	2738.7
2.5°	13334.1	11928.6	10596.6	9336.8	8249.9	7259.1	6293.0	5324.3	4411.1	3512.2	2780.8
0°	13463.9	11997.7	10662.6	9415.5	8296.5	7281.8	6329.6	5352.2	4428.4	3540.3	2798.3
-2.5°	13437.8	11954.0	10606.4	9413.1	8299.5	7260.7	6334.6	5367.3	4433.2	3561.3	2810.6
-5°	13299.6	11879.4	10542.0	9347.0	8250.3	7210.6	6284.9	5334.4	4398.4	3544.6	2798.8
-7.5°	13019.6	11655.6	10358.3	9195.5	8124.0	7107.2	6184.1	5253.9	4328.0	3486.8	2763.9
-10°	12598.6	11298.0	10064.0	8963.8	7919.8	6938.2	6034.5	5117.8	4211.7	3391.8	2703.4
-12.5°	12077.5	10849.5	9673.0	8648.9	7652.2	6714.8	5832.0	4925.9	4050.1	3259.9	2617.1
-15°	11440.6	10338.5	9274.6	8281.4	7338.8	6431.1	5569.0	4687.0	3844.7	3090.1	2505.1
-17.5°	10794.7	9771.6	8773.5	7831.1	6957.3	6095.3	5259.1	4421.3	3615.4	2906.9	2374.0
-20°	10075.7	9130.8	8207.6	7352.7	6538.1	5719.4	4913.6	4107.9	3352.9	2735.5	2257.9



REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9295.3	8451.4	7615.6	6844.7	6082.3	5297.5	4526.3	3765.7	3049.5	2543.3	2126.2
-25°	8505.2	7738.7	6989.7	6280.1	5565.3	4824.2	4111.7	3417.3	2825.1	2361.8	1984.1
-27.5°	7711.9	7017.9	6326.7	5670.9	4998.0	4345.0	3693.9	3064.5	2582.2	2188.2	1851.6
-30°	6927.8	6300.8	5668.2	5042.0	4433.1	3836.9	3254.7	2778.0	2358.8	2002.7	1703.4
-32.5°	6119.9	5574.5	4998.2	4411.2	3858.4	3332.0	2889.7	2488.0	2125.6	1831.9	1571.5
-35°	5334.4	4832.6	4302.3	3797.9	3308.7	2914.4	2540.0	2211.4	1921.6	1661.5	1440.0
-37.5°	4532.2	4079.4	3641.0	3218.1	2868.8	2535.4	2239.2	1971.0	1720.6	1513.7	1323.0
-40°	3776.5	3382.2	3067.2	2756.1	2479.2	2212.8	1979.0	1748.5	1555.1	1373.0	1208.9
-42.5°	3129.5	2852.8	2599.6	2364.8	2137.7	1941.0	1743.6	1564.3	1395.5	1242.9	1106.6
-45°	2606.3	2408.7	2202.7	2030.4	1855.0	1698.2	1540.5	1392.7	1250.9	1126.5	1005.6
-47.5°	2192.1	2045.0	1889.9	1751.5	1620.2	1485.8	1362.9	1235.5	1125.6	1014.8	913.9
-50°	1854.0	1745.2	1631.8	1519.8	1416.7	1306.9	1205.0	1104.8	1008.0	916.1	824.3
-52.5°	1575.3	1496.5	1412.6	1323.5	1241.4	1155.9	1066.9	986.3	902.9	821.9	741.6
-55°	1354.3	1291.5	1227.9	1160.6	1092.0	1021.9	949.2	876.8	805.1	731.2	670.7
-57.5°	1172.9	1120.0	1069.4	1016.0	960.0	900.6	838.8	774.1	715.3	659.6	604.6
-60°	1013.9	969.3	928.9	885.9	840.2	788.8	738.3	687.4	636.5	588.1	540.9
-62.5°	870.2	838.6	802.2	765.6	729.4	691.5	646.2	601.3	558.2	516.6	477.7
-65°	731.1	704.1	675.9	649.6	620.6	588.3	549.9	514.9	481.0	446.8	414.6
-67.5°	607.7	587.0	564.4	541.0	517.9	492.1	463.8	434.7	407.5	379.5	355.5
-70°	506.2	491.2	473.6	452.7	431.7	410.5	388.9	366.1	341.4	316.2	296.9
-72.5°	421.7	410.6	396.8	379.5	361.0	342.4	323.2	302.9	281.2	257.8	239.3
-75°	348.2	340.0	329.5	314.1	297.8	280.5	263.6	245.1	223.9	200.0	181.2
-77.5°	279.8	274.5	267.8	255.2	242.5	229.6	214.8	193.2	171.7	151.4	137.5
-80°	209.8	207.5	203.5	192.9	182.2	171.3	159.4	143.0	127.3	112.6	101.3
-82.5°	138.4	135.9	132.5	126.1	119.9	113.9	107.7	96.6	85.7	75.2	66.0
-85°	70.1	68.1	66.0	64.9	63.7	62.2	60.3	54.0	47.9	42.2	37.1
-87.5°	20.3	20.4	20.3	20.5	20.7	20.7	20.7	19.2	17.7	16.2	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: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-WR-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	0.6	0.5	0.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.1	1.0	0.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3
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	1.6	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.9	1.9	1.5	1.5
65°	1.5	1.5	1.6	2.2	2.1	1.5	1.5	2.9	2.5	2.2	1.5
62.5°	2.9	1.5	3.9	5.2	3.4	2.7	2.2	6.2	4.0	2.9	2.0
60°	6.7	5.5	10.4	15.9	11.5	4.5	6.5	10.7	9.9	3.6	2.8
57.5°	34.5	15.7	23.3	30.3	28.9	16.2	13.2	18.3	16.6	9.7	3.9
55°	71.6	60.9	48.4	48.1	48.7	38.5	27.4	28.4	25.1	17.8	5.7
52.5°	108.7	105.4	93.8	76.4	70.2	63.4	51.9	40.1	37.2	26.6	14.0
50°	155.0	146.6	137.4	119.6	96.9	88.0	76.1	61.2	50.7	37.2	23.2
47.5°	208.0	193.2	179.4	162.2	137.4	114.0	100.7	83.1	65.5	51.1	32.5
45°	290.6	242.6	224.0	204.0	178.5	149.3	126.3	104.6	84.8	65.0	41.8
42.5°	375.4	308.7	269.6	247.1	220.4	187.5	153.0	128.6	103.9	78.9	52.8
40°	460.8	378.3	319.0	290.9	263.8	225.6	186.9	153.6	122.5	93.3	64.8
37.5°	553.1	456.1	376.0	336.5	307.8	266.6	221.3	179.2	141.7	108.9	76.7
35°	668.0	548.4	437.9	389.1	350.7	308.5	255.4	207.0	164.6	124.7	88.4
32.5°	797.1	650.2	526.7	446.5	394.3	351.0	291.7	238.2	188.1	140.4	99.9
30°	925.6	755.1	611.0	503.4	440.6	390.9	330.4	269.7	212.1	156.1	111.6
27.5°	1023.6	845.6	689.8	571.8	491.9	430.6	368.9	301.3	236.5	173.3	124.4
25°	1123.7	929.4	766.3	638.7	542.1	471.2	406.0	332.9	262.5	193.2	137.0
22.5°	1240.7	1008.9	830.9	699.1	595.4	512.3	441.4	365.0	288.7	212.9	149.2
20°	1355.1	1082.3	890.3	769.6	653.5	558.2	476.1	395.6	314.4	232.3	161.0
17.5°	1472.4	1185.4	988.9	842.7	713.6	603.6	510.3	424.5	339.4	251.1	172.3
15°	1649.2	1323.2	1088.3	914.8	771.7	648.0	543.9	451.9	363.5	269.3	182.4
12.5°	1815.8	1452.9	1184.8	985.3	827.5	691.2	576.5	477.4	386.4	284.4	190.8
10°	1963.0	1573.6	1277.1	1053.3	880.4	732.6	607.7	497.5	400.0	296.5	198.3
7.5°	2091.2	1684.4	1364.3	1117.9	925.6	760.6	623.6	508.0	410.3	307.1	204.9
5°	2189.2	1759.8	1412.2	1143.8	942.6	773.4	634.9	516.5	418.6	316.1	210.5
2.5°	2221.6	1784.9	1431.1	1158.4	955.0	782.6	643.7	523.0	424.8	323.6	215.2
0°	2236.5	1797.0	1440.9	1166.7	962.6	788.2	649.7	527.5	429.1	329.3	219.0
-2.5°	2253.0	1813.5	1454.6	1179.7	970.6	795.9	656.1	534.5	435.3	335.7	225.3
-5°	2251.8	1816.6	1458.9	1185.9	973.7	800.0	659.7	539.4	439.8	340.4	230.6
-7.5°	2228.0	1802.5	1453.3	1184.7	972.0	800.5	660.8	542.3	442.5	343.4	234.7
-10°	2185.5	1773.3	1436.9	1173.9	965.5	797.0	659.1	543.2	443.6	344.7	237.7
-12.5°	2125.5	1731.7	1410.6	1156.4	954.1	789.6	654.3	540.7	443.0	344.3	239.4
-15°	2048.4	1678.1	1374.2	1132.1	937.5	778.5	646.6	535.5	439.1	341.8	239.7
-17.5°	1955.3	1613.0	1327.8	1101.1	915.7	763.7	635.9	528.2	433.9	337.4	239.3
-20°	1868.8	1544.5	1274.3	1063.5	888.9	745.4	622.3	518.9	427.3	331.8	238.1

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Scaled Data Report



REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1772.1	1473.4	1226.8	1027.5	860.5	723.5	605.8	507.7	419.5	325.3	236.0
-25°	1661.5	1392.8	1172.5	987.4	832.8	702.6	588.9	494.5	410.6	317.8	232.8
-27.5°	1557.5	1309.6	1111.7	941.2	800.8	678.5	572.1	482.3	400.3	309.5	228.7
-30°	1451.4	1237.2	1053.5	892.7	765.6	651.6	553.3	469.1	388.6	302.2	223.7
-32.5°	1343.6	1158.3	991.0	850.8	731.5	622.7	532.7	455.1	376.5	295.0	219.5
-35°	1250.9	1080.6	924.0	805.6	696.5	598.1	512.2	440.1	364.0	286.9	214.9
-37.5°	1152.3	1001.8	871.8	760.7	659.0	571.2	492.5	422.6	351.1	277.7	209.4
-40°	1064.0	928.3	815.6	717.4	625.2	542.2	470.5	403.8	339.0	267.7	202.9
-42.5°	974.1	861.6	760.9	670.7	591.3	515.5	446.6	383.8	323.4	258.4	195.5
-45°	895.3	793.1	704.2	628.3	555.8	486.5	423.3	363.0	306.7	248.9	187.8
-47.5°	813.9	727.2	651.3	584.1	520.9	456.4	398.6	343.8	289.4	238.2	179.9
-50°	738.0	664.7	601.6	541.4	482.4	428.2	374.0	324.0	273.7	224.2	171.0
-52.5°	670.5	609.4	553.2	498.4	447.8	398.8	351.9	303.9	257.2	210.3	161.2
-55°	610.8	556.4	505.8	458.4	413.1	372.6	329.3	285.0	240.1	195.9	150.7
-57.5°	553.7	504.7	461.7	419.5	380.9	345.6	307.3	265.3	222.8	180.8	141.4
-60°	496.2	456.8	418.5	383.1	349.7	317.8	285.2	245.1	204.9	165.3	130.1
-62.5°	441.2	408.1	378.6	347.5	316.9	288.8	262.3	224.2	186.3	150.0	117.6
-65°	387.1	361.8	338.0	308.8	282.2	258.7	236.8	202.5	166.6	133.7	104.5
-67.5°	333.6	312.8	291.5	267.8	248.0	228.9	209.5	178.5	145.8	116.4	91.3
-70°	279.6	262.0	246.8	231.7	215.3	198.4	179.0	152.6	124.1	100.1	77.6
-72.5°	226.7	215.9	206.8	196.2	182.3	166.3	148.1	126.5	104.4	83.3	63.5
-75°	174.6	172.4	169.6	162.8	149.4	134.5	119.8	103.3	84.2	66.1	51.8
-77.5°	137.5	136.6	134.7	129.9	118.3	106.1	93.3	79.4	64.9	52.5	40.7
-80°	101.9	101.8	100.9	97.9	88.0	77.6	68.7	59.8	49.2	39.1	29.4
-82.5°	67.0	68.0	68.4	67.5	60.8	54.2	47.8	41.4	33.2	25.4	19.7
-85°	38.3	39.0	39.2	38.7	34.5	30.5	27.8	25.1	20.7	16.8	13.2
-87.5°	15.9	16.8	17.5	17.9	16.6	15.3	13.9	12.6	10.4	8.4	6.6
-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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REPORT NUMBER: P627392 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

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°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
85°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
82.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
80°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
77.5°	1.5	1.5	1.3	1.0	0.6	0.3	0.0
75°	1.5	1.5	1.5	1.2	0.8	0.4	0.0
72.5°	1.5	1.5	1.5	1.3	0.9	0.5	0.0
70°	1.5	1.5	1.5	1.5	1.0	0.5	0.0
67.5°	1.6	1.5	1.5	1.5	1.1	0.6	0.0
65°	1.8	1.7	1.5	1.5	1.3	0.6	0.0
62.5°	2.0	2.0	1.5	1.5	1.4	0.7	0.0
60°	2.3	2.4	1.5	1.5	1.5	0.7	0.0
57.5°	4.0	2.8	1.9	1.5	1.5	0.8	0.0
55°	6.2	3.3	2.4	1.5	1.5	0.9	0.0
52.5°	8.6	4.1	2.9	1.5	1.6	0.9	0.0
50°	11.4	6.7	3.4	1.5	1.6	1.0	0.0
47.5°	15.2	9.5	3.9	1.6	1.6	1.0	0.0
45°	23.2	12.4	4.4	2.0	1.7	1.1	0.0
42.5°	31.3	15.5	5.0	2.4	1.7	1.1	0.0
40°	39.3	18.8	6.5	3.0	1.8	1.1	0.0
37.5°	47.2	22.2	9.1	3.6	1.8	1.2	0.0
35°	55.1	27.6	11.7	4.3	1.9	1.2	0.0
32.5°	63.4	33.8	14.3	5.1	2.0	1.3	0.0
30°	72.7	39.8	16.9	5.9	2.0	1.3	0.0
27.5°	81.7	45.7	19.9	6.7	2.1	1.3	0.0
25°	90.4	51.4	22.9	7.6	2.2	1.4	0.0
22.5°	98.8	56.9	25.8	8.5	2.3	1.4	0.0
20°	106.7	62.2	28.6	9.4	2.4	1.4	0.0
17.5°	114.1	67.3	31.4	10.4	2.5	1.4	0.0
15°	120.8	72.0	34.0	11.3	2.5	1.4	0.0
12.5°	127.0	76.4	36.4	12.3	2.6	1.5	0.0
10°	132.7	80.4	38.7	13.2	2.7	1.5	0.0
7.5°	137.7	84.0	40.9	14.1	2.8	1.5	0.0
5°	142.1	87.2	42.9	14.9	2.9	1.5	0.0
2.5°	145.9	90.0	44.6	15.7	2.9	1.5	0.0
0°	149.0	92.4	46.2	16.4	3.0	1.5	0.0
-2.5°	153.1	95.3	48.3	17.4	3.5	1.6	0.0
-5°	156.4	97.8	50.2	18.4	3.9	1.7	0.0
-7.5°	159.1	99.7	51.8	19.3	4.3	1.8	0.0
-10°	161.0	101.2	53.1	20.0	4.7	1.9	0.0
-12.5°	162.1	102.2	54.0	20.7	5.1	1.9	0.0
-15°	162.4	102.7	54.7	21.2	5.5	2.0	0.0
-17.5°	162.0	102.6	55.0	21.6	5.8	2.1	0.0
-20°	161.5	102.0	54.9	21.9	6.1	2.1	0.0

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CATALOG NUMBER: GFLD-SA4C-730-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	161.6	100.9	54.5	22.0	6.4	2.2	0.0
-25°	160.9	100.5	53.6	22.0	6.7	2.2	0.0
-27.5°	159.3	100.1	52.4	21.8	6.9	2.3	0.0
-30°	157.0	99.0	50.9	21.5	7.0	2.3	0.0
-32.5°	153.8	97.3	50.3	21.1	7.1	2.3	0.0
-35°	150.8	95.0	49.2	20.4	7.2	2.3	0.0
-37.5°	147.4	92.4	47.7	19.7	7.2	2.3	0.0
-40°	143.2	90.2	45.8	18.7	7.2	2.3	0.0
-42.5°	138.1	87.4	44.5	17.9	7.1	2.2	0.0
-45°	132.2	84.0	43.6	17.2	7.0	2.2	0.0
-47.5°	125.6	80.0	42.3	16.2	6.9	2.1	0.0
-50°	119.7	75.5	40.5	16.0	6.7	2.1	0.0
-52.5°	113.4	70.4	38.3	15.7	6.4	2.0	0.0
-55°	106.4	66.3	35.6	15.3	6.1	1.9	0.0
-57.5°	98.7	61.8	32.5	14.7	5.8	1.8	0.0
-60°	90.5	56.6	29.2	13.9	5.4	1.7	0.0
-62.5°	82.6	50.9	27.2	12.9	5.1	1.6	0.0
-65°	73.9	44.7	24.8	11.8	4.7	1.5	0.0
-67.5°	64.4	39.1	22.2	10.5	4.3	1.4	0.0
-70°	54.3	34.3	19.3	9.1	3.9	1.2	0.0
-72.5°	46.2	29.1	16.2	8.0	3.5	1.1	0.0
-75°	37.9	23.6	12.9	7.0	3.0	1.0	0.0
-77.5°	29.2	17.8	10.7	5.9	2.5	0.8	0.0
-80°	20.2	13.6	8.6	4.8	2.1	0.6	0.0
-82.5°	14.9	10.3	6.5	3.6	1.6	0.5	0.0
-85°	10.0	6.9	4.4	2.4	1.0	0.3	0.0
-87.5°	5.0	3.5	2.2	1.2	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)