

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: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-750-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 12/7/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: MCGRAW-EDISON
 Catalog Number: GFLD-SA2E-750-U-VWR-VSR-XX
 Description: GALLEON FLOOD, TWO LIGHT SQUARE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
 Light Source: (32) 5000K CCT, 70 CRI LEDS
 Ballast/Driver: -

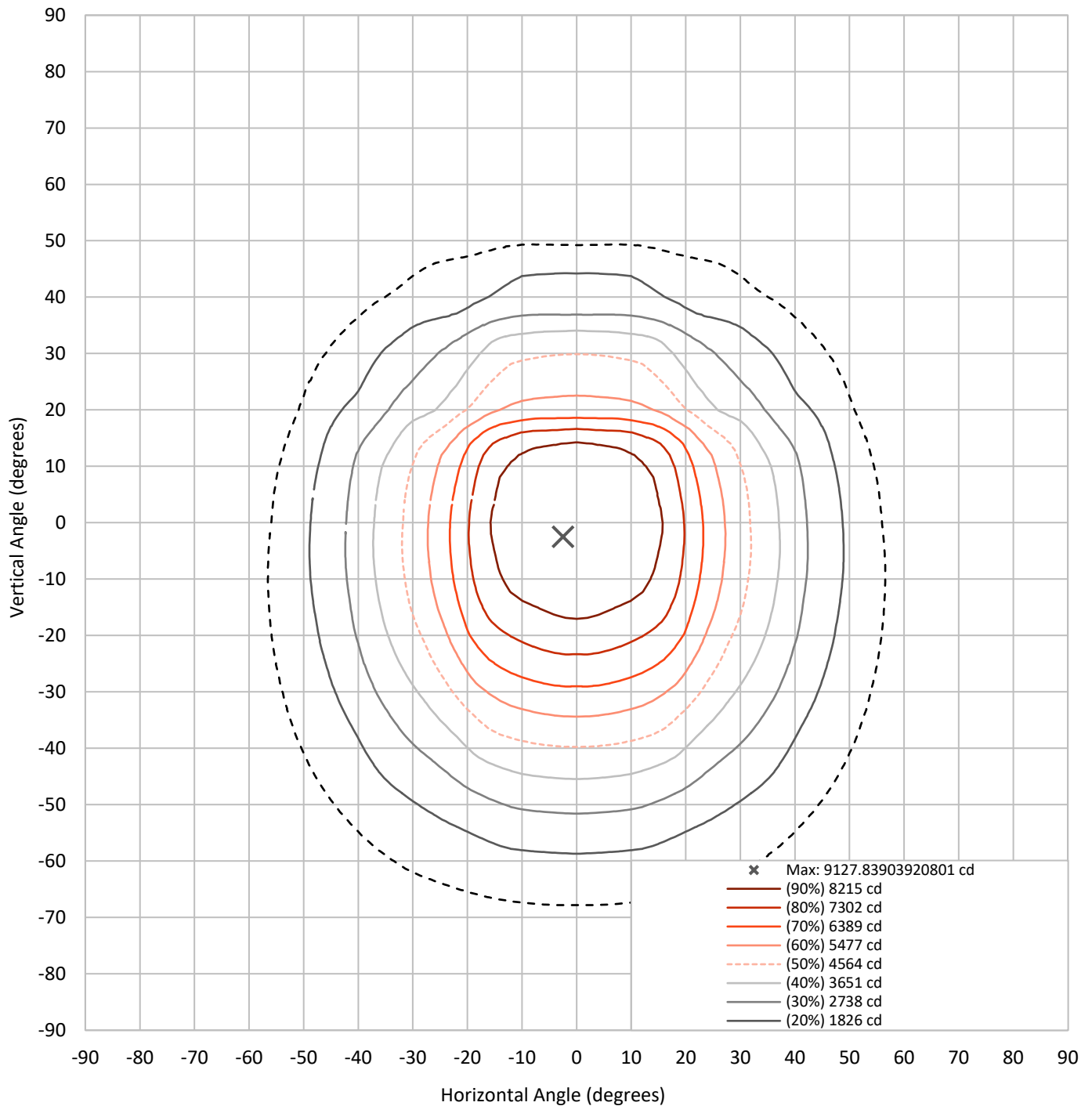
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	12181.4 lumens	Max Intensity:	9127.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	96.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	7047.7 lumens	Field Lumens:	11559.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	125.7		
Input Voltage (V):	120		
Input Current (A _{in}):	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: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

Iso-Candela Plot





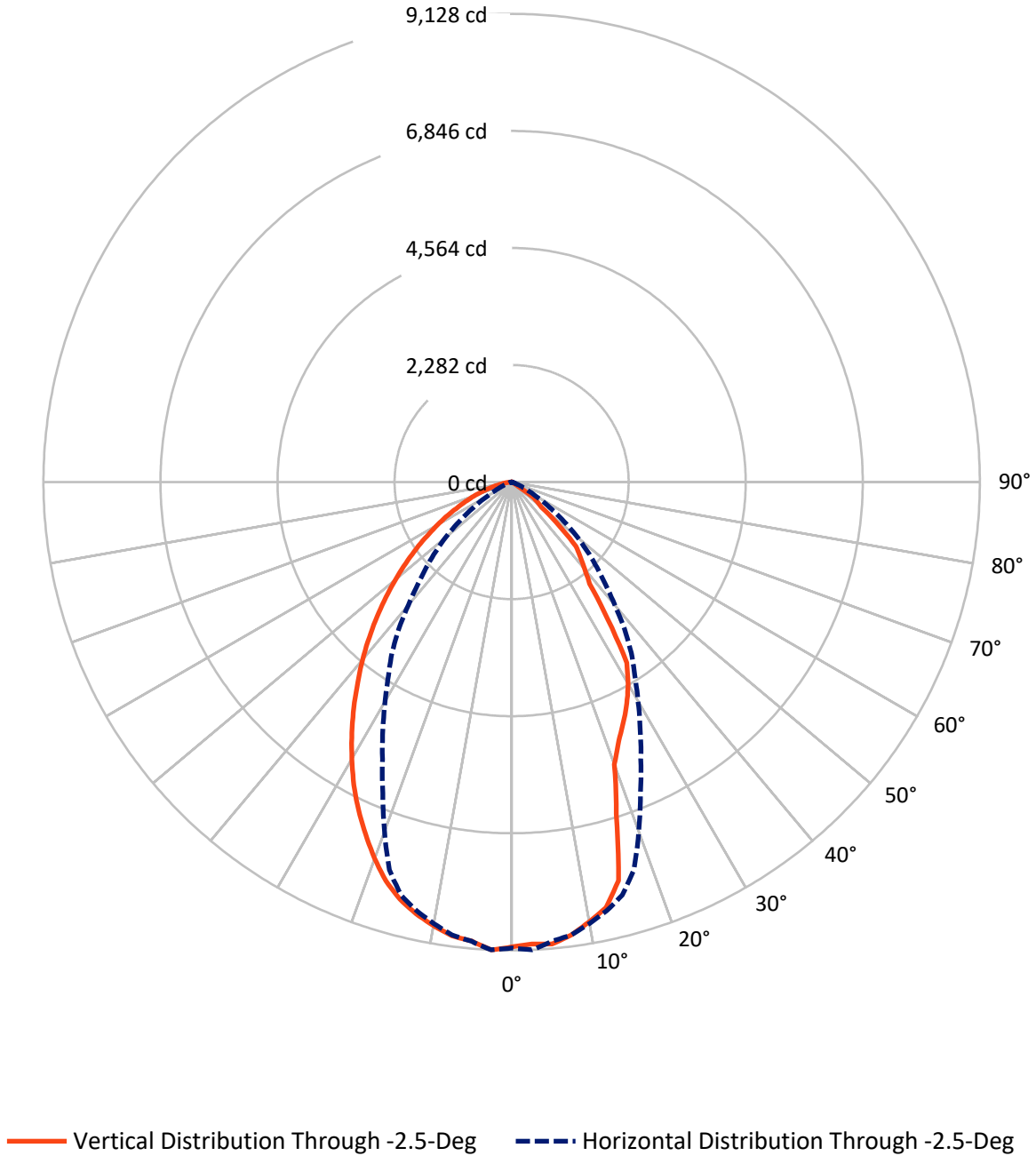
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Lumen Table

90																			
80	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1				
50		0.1	0.2	1.1	3.3	6.4	9.5	11.8	11.8	9.5	6.4	3.3	1.1	0.2		0.1			
40	0.2	0.2	1.4	6.2	15.1	27.2	40.2	49.2	49.2	40.2	27.2	15.1	6.2	1.4	0.2	0.2			
30		0.6	4.5	15.8	35.3	57.2	85.8	100.3	100.3	85.8	57.2	35.3	15.8	4.5	0.6				
20	0.4	1.3	8.8	28.0	56.9	90.2	135.3	155.5	155.5	135.3	90.2	56.9	28.0	8.8	1.3	0.4			
10		2.3	13.5	41.5	81.9	134.9	200.8	230.3	230.3	200.8	134.9	81.9	41.5	13.5	2.3				
0	0.6	3.2	17.4	49.3	98.0	161.2	237.1	269.1	269.1	237.1	161.2	98.0	49.3	17.4	3.2	0.6			
-10		3.7	19.3	51.2	100.6	164.9	238.8	270.0	270.0	238.8	164.9	100.6	51.2	19.3	3.7				
-20	0.8	3.9	18.8	48.4	94.9	154.4	221.7	250.5	250.5	221.7	154.4	94.9	48.4	18.8	3.9	0.8			
-30		3.6	16.5	42.3	82.0	131.2	185.8	210.5	210.5	185.8	131.2	82.0	42.3	16.5	3.6				
-40	0.8	3.0	13.1	33.2	64.5	101.2	141.9	160.7	160.7	141.9	101.2	64.5	33.2	13.1	3.0	0.8			
-50		2.4	9.7	23.7	46.2	71.2	98.2	111.5	111.5	98.2	71.2	46.2	23.7	9.7	2.4				
-60	0.6	1.8	6.3	15.2	28.7	44.2	60.0	68.5	68.5	60.0	44.2	28.7	15.2	6.3	1.8	0.6			
-70		1.3	3.8	8.9	15.8	23.4	31.0	35.2	35.2	31.0	23.4	15.8	8.9	3.8	1.3				
-80	0.2	2.8	13.1	28.6	32.0	28.6	13.1	2.8	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

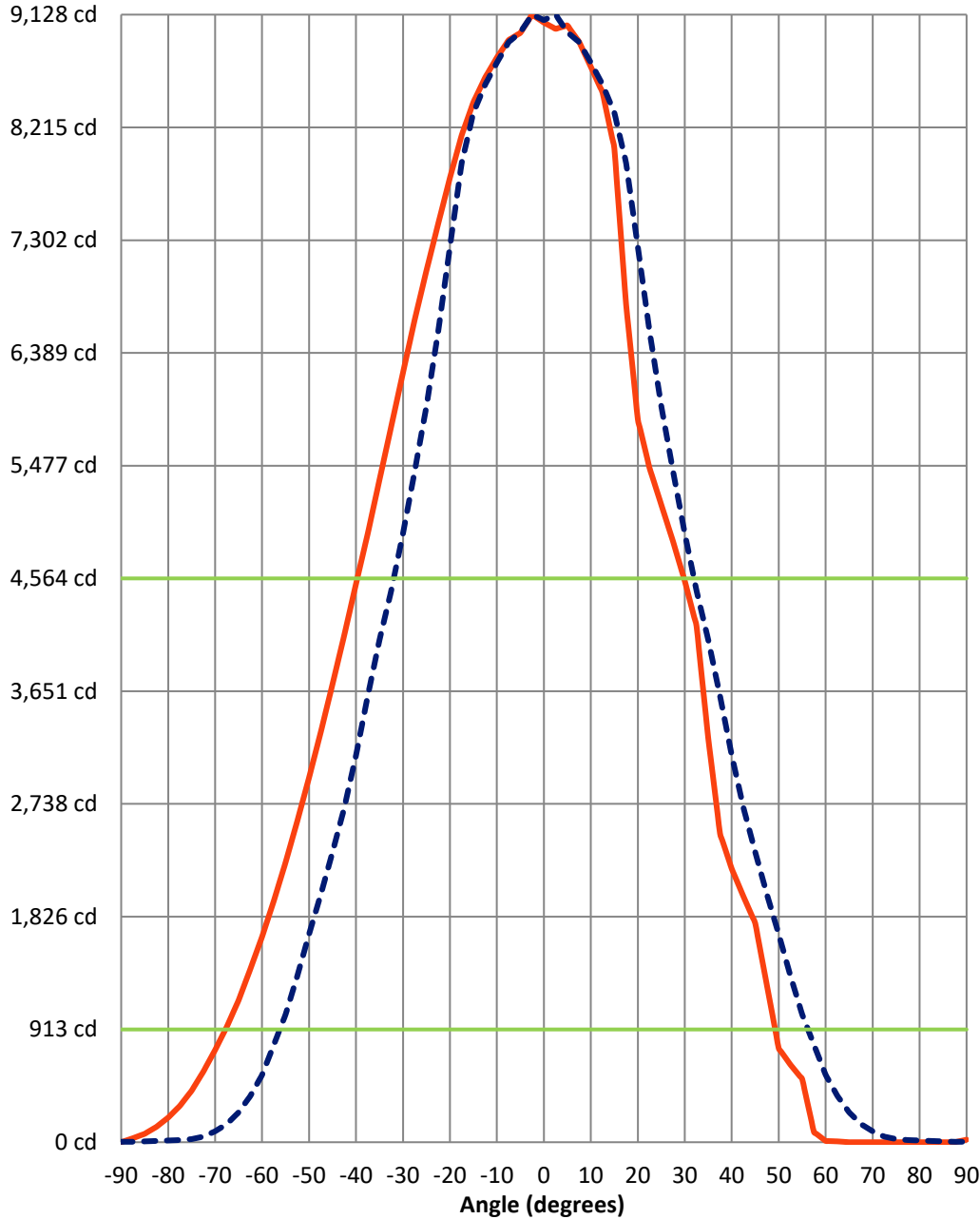
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 7047.7
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 11559.3
 Efficiency: 94.9%

Spill:
 Lumens: 622
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-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°	3.4	3.4	3.4	4.2	5.1	6.0	6.8	7.7	8.5	9.4	10.2
87.5°	3.4	3.4	3.4	3.3	3.1	2.8	2.5	1.8	1.1	0.5	0.0
85°	3.4	3.4	3.4	3.2	2.8	2.3	1.7	1.0	0.5	0.2	0.0
82.5°	3.4	3.4	3.4	3.1	2.5	1.8	0.8	0.3	0.1	0.5	0.9
80°	3.4	3.4	3.4	3.0	2.3	1.3	0.2	0.7	1.2	1.8	2.3
77.5°	3.4	3.4	3.4	2.9	2.0	1.1	1.1	1.7	2.4	3.1	3.1
75°	3.4	3.4	3.4	2.8	1.9	1.7	1.9	2.7	3.4	2.8	1.8
72.5°	3.4	3.4	3.4	2.7	2.2	2.2	2.7	3.4	2.9	2.0	0.6
70°	3.4	3.4	3.4	2.7	2.4	2.7	3.4	3.2	2.5	1.3	1.6
67.5°	3.4	3.4	3.4	2.8	2.7	3.2	3.5	3.1	2.2	2.6	3.0
65°	3.4	3.4	3.4	2.9	3.0	3.5	3.6	3.1	3.4	4.0	4.2
62.5°	3.4	3.4	3.4	3.1	3.2	3.8	3.8	3.8	4.6	5.2	4.7
60°	3.4	3.4	3.4	3.1	3.4	4.1	4.0	4.9	5.7	5.9	5.3
57.5°	3.4	3.4	3.4	3.2	3.7	4.4	4.8	5.9	6.7	6.8	6.7
55°	3.4	3.4	3.5	3.3	4.1	4.8	5.7	6.9	7.8	7.9	8.3
52.5°	3.4	3.4	3.6	3.3	4.4	5.2	6.5	7.9	8.9	9.4	9.9
50°	3.4	3.4	3.6	3.4	4.8	5.9	7.4	8.8	10.1	10.8	11.5
47.5°	3.4	3.4	3.7	3.5	5.2	6.6	8.2	9.8	11.4	12.2	13.1
45°	3.4	3.4	3.8	3.8	5.6	7.2	9.0	10.7	12.5	13.7	14.6
42.5°	3.4	3.4	3.9	4.1	6.0	7.9	9.8	11.8	13.8	15.1	17.8
40°	3.4	3.4	4.0	4.5	6.5	8.5	10.5	12.9	15.2	16.5	21.3
37.5°	3.4	3.4	4.2	5.0	7.0	9.1	11.3	14.1	16.6	18.7	24.8
35°	3.4	3.4	4.3	5.4	7.5	9.7	12.0	15.3	18.1	23.0	31.5
32.5°	3.4	3.4	4.5	5.8	7.9	10.3	12.8	16.6	19.6	28.1	45.0
30°	3.4	3.4	4.6	6.3	8.3	10.8	13.8	17.9	21.3	33.8	58.0
27.5°	3.4	3.4	4.8	6.7	8.9	11.4	14.8	19.2	24.1	40.2	70.7
25°	3.4	3.4	5.0	7.1	9.4	11.9	15.8	20.6	29.0	49.5	83.1
22.5°	3.4	3.4	5.2	7.5	9.9	12.4	16.8	21.9	34.2	59.8	99.5
20°	3.4	3.4	5.4	7.8	10.4	13.0	17.8	23.3	39.6	69.5	115.8
17.5°	3.4	3.4	5.6	8.2	10.9	13.6	18.7	24.6	45.1	78.7	131.8
15°	3.4	3.4	5.7	8.5	11.4	14.2	19.7	26.3	50.6	87.2	147.4
12.5°	3.4	3.4	5.9	8.8	11.8	14.7	20.6	28.7	56.8	95.2	162.3
10°	3.4	3.4	6.1	9.2	12.2	15.2	21.4	31.2	63.2	104.5	177.3
7.5°	3.4	3.4	6.3	9.4	12.6	15.7	22.1	33.7	69.4	113.5	193.0
5°	3.4	3.4	6.5	9.7	12.9	16.2	22.8	36.2	75.2	121.9	207.5
2.5°	3.4	3.4	6.6	10.0	13.3	16.6	23.4	38.7	80.5	129.5	220.4
0°	3.4	3.4	6.8	10.2	13.6	17.0	23.9	40.9	85.2	136.3	231.7
-2.5°	3.4	3.4	6.8	10.2	13.6	17.0	23.9	40.9	85.2	136.3	231.7
-5°	3.4	3.4	6.8	10.2	14.1	17.7	26.4	48.8	91.3	156.5	250.2
-7.5°	3.4	3.4	6.7	10.1	14.3	18.0	27.5	52.2	93.4	164.2	256.6
-10°	3.4	3.4	6.7	10.0	14.5	18.2	28.4	54.9	95.0	169.7	261.4
-12.5°	3.4	3.4	6.6	10.0	14.6	18.5	29.0	57.0	96.0	172.6	265.1
-15°	3.4	3.4	6.6	9.9	14.7	18.6	29.4	58.2	98.0	172.3	266.5
-17.5°	3.4	3.4	6.5	9.7	14.6	18.8	29.6	59.4	101.0	170.6	264.8
-20°	3.4	3.4	6.4	9.6	14.5	18.9	30.3	60.7	102.9	167.5	260.0

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CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.4	3.4	6.3	9.4	14.4	19.0	32.3	61.2	103.7	163.0	251.7
-25°	3.4	3.4	6.2	9.2	14.1	20.2	33.8	61.0	103.4	157.2	239.9
-27.5°	3.4	3.4	6.0	9.0	13.8	21.8	35.1	60.1	102.0	152.3	231.3
-30°	3.4	3.4	5.9	8.8	13.4	23.2	35.9	58.5	100.1	150.1	221.6
-32.5°	3.4	3.4	5.7	8.6	13.9	24.3	36.4	58.5	97.6	146.3	210.7
-35°	3.4	3.4	5.6	8.3	14.3	25.2	37.3	58.9	94.3	141.1	198.6
-37.5°	3.4	3.4	5.4	8.1	14.5	25.8	38.3	58.6	89.9	134.2	193.1
-40°	3.4	3.4	5.2	7.8	14.7	26.0	39.0	57.8	84.6	127.7	187.1
-42.5°	3.4	3.4	5.0	7.6	14.8	26.0	39.2	56.5	81.6	122.4	177.8
-45°	3.4	3.4	4.8	7.7	14.8	25.8	39.0	55.3	79.3	115.9	166.2
-47.5°	3.4	3.4	4.6	7.6	14.7	25.4	38.4	54.5	76.5	108.0	157.0
-50°	3.4	3.4	4.4	7.5	14.5	24.8	37.6	53.2	74.2	105.2	146.0
-52.5°	3.4	3.4	4.1	7.4	14.0	24.1	36.6	51.3	72.3	101.5	134.3
-55°	3.4	3.4	3.9	7.2	13.4	23.1	35.2	49.0	69.9	96.9	128.7
-57.5°	3.4	3.4	3.7	6.9	12.7	21.8	33.7	46.9	66.7	92.0	122.0
-60°	3.4	3.4	3.4	6.6	11.8	20.3	31.8	44.6	62.5	86.3	114.4
-62.5°	3.4	3.4	3.4	6.3	11.1	18.6	29.3	41.6	57.3	79.5	105.5
-65°	3.4	3.4	3.4	5.9	10.4	16.7	26.4	37.7	51.0	70.6	95.4
-67.5°	3.4	3.4	3.4	5.4	9.6	15.0	23.2	33.1	43.8	60.1	81.9
-70°	3.4	3.4	3.4	4.9	8.7	13.6	19.7	28.2	37.5	48.4	66.2
-72.5°	3.4	3.4	3.4	4.8	7.8	12.1	17.4	23.0	30.9	40.2	50.7
-75°	3.4	3.4	3.4	4.8	6.8	10.6	15.2	19.4	24.1	31.7	40.3
-77.5°	3.4	3.4	3.4	4.7	6.4	8.9	12.8	16.3	20.0	24.0	29.6
-80°	3.4	3.4	3.4	4.6	6.2	8.0	10.4	13.1	16.1	19.3	22.8
-82.5°	3.4	3.4	3.4	4.6	5.9	7.5	9.4	10.7	12.1	14.5	17.1
-85°	3.4	3.4	3.4	4.5	5.7	7.0	8.5	9.7	10.8	11.9	13.0
-87.5°	3.4	3.4	3.4	4.4	5.4	6.5	7.7	8.7	9.7	10.6	11.6
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.5	1.7	0.8	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°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	11.1	11.9	12.8
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	0.9	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.2	1.8	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.9	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.7	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.6	1.0	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.9	2.1	1.4	0.6	0.0	0.2	0.5	0.4	0.0	0.2	0.4
67.5°	3.2	2.4	1.5	1.0	1.3	1.7	1.6	1.7	1.8	2.0	1.7
65°	3.3	2.5	2.5	3.0	3.3	3.7	4.0	4.2	3.5	3.1	3.1
62.5°	3.5	3.8	4.4	5.0	5.5	5.9	5.9	5.3	4.0	5.0	5.8
60°	5.1	5.6	6.3	6.9	7.6	8.0	7.6	7.7	8.6	10.0	19.1
57.5°	6.8	7.3	8.1	9.2	10.1	10.3	10.6	11.5	27.0	44.1	48.7
55°	8.6	9.0	10.4	12.1	13.1	13.0	18.7	39.4	59.4	82.3	90.8
52.5°	10.3	11.1	13.5	15.6	16.9	26.3	47.3	75.4	105.0	131.3	165.4
50°	12.1	14.6	17.1	20.1	32.0	56.6	87.4	125.7	170.4	212.5	255.6
47.5°	15.1	18.2	22.1	31.7	63.2	97.3	139.9	201.6	256.7	307.6	366.6
45°	18.7	25.2	29.5	62.8	99.4	143.3	215.5	290.9	340.9	409.0	513.5
42.5°	22.5	34.9	56.3	94.8	139.4	210.3	299.8	364.1	430.6	541.0	650.8
40°	32.3	46.7	85.0	130.8	187.3	290.6	382.5	455.3	546.1	668.4	783.1
37.5°	44.3	71.4	114.1	169.1	262.3	375.6	474.0	578.0	682.4	797.7	1010.4
35°	57.5	94.2	151.2	225.3	337.4	469.9	587.2	703.4	823.6	1050.8	1261.9
32.5°	74.8	115.3	189.8	290.6	418.6	564.1	700.2	834.5	1027.4	1284.5	1496.3
30°	93.5	149.0	234.3	351.1	495.1	650.3	813.9	976.6	1231.8	1444.6	1674.5
27.5°	113.0	184.7	286.5	414.3	566.7	731.6	916.3	1148.4	1376.0	1586.2	1838.9
25°	133.0	221.9	334.3	474.7	637.1	819.6	1032.0	1314.6	1492.7	1725.0	1988.6
22.5°	158.8	257.4	381.6	529.5	702.4	909.9	1180.8	1464.6	1674.2	1869.6	2127.1
20°	188.5	297.5	433.0	598.1	766.4	998.1	1328.8	1627.3	1873.9	2097.6	2334.1
17.5°	216.3	334.9	488.0	668.2	859.4	1111.2	1474.1	1804.4	2075.7	2325.0	2620.3
15°	242.1	369.5	541.9	734.5	950.8	1240.8	1604.3	1967.0	2276.9	2557.4	2892.9
12.5°	265.6	401.2	593.8	796.5	1036.9	1352.5	1713.6	2067.7	2408.3	2773.8	3154.6
10°	286.7	429.6	642.8	853.8	1116.8	1447.0	1803.9	2151.7	2495.2	2882.0	3305.1
7.5°	309.5	456.2	687.3	905.9	1189.4	1525.1	1876.1	2219.0	2565.5	2968.6	3403.0
5°	330.5	480.6	722.7	943.2	1245.5	1585.9	1930.4	2270.2	2618.8	3033.1	3477.1
2.5°	348.9	501.2	751.5	972.4	1287.2	1630.8	1965.7	2312.8	2658.4	3085.6	3533.7
0°	364.6	517.9	773.5	994.9	1318.6	1662.8	1986.5	2340.8	2681.6	3121.1	3570.9
-2.5°	374.6	545.2	788.6	1034.1	1346.1	1683.8	2005.1	2348.7	2706.5	3132.4	3612.7
-5°	381.7	567.4	797.7	1064.3	1364.1	1693.0	2011.2	2342.6	2713.1	3129.5	3618.9
-7.5°	385.8	583.0	801.9	1081.5	1370.4	1687.5	2000.8	2331.1	2702.3	3118.8	3591.8
-10°	388.1	587.9	807.7	1076.3	1362.1	1669.2	1977.8	2304.0	2671.3	3084.0	3540.4
-12.5°	394.5	584.8	806.7	1064.9	1344.2	1641.6	1943.6	2261.1	2619.8	3024.5	3469.3
-15°	396.1	577.8	797.0	1048.0	1316.8	1605.5	1898.8	2202.4	2556.3	2966.6	3390.7
-17.5°	392.6	567.2	778.1	1026.5	1280.1	1561.8	1846.1	2149.5	2496.8	2899.9	3308.2
-20°	383.4	553.4	749.6	1001.1	1236.6	1513.1	1793.4	2093.9	2428.3	2807.2	3215.8



REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	368.5	536.8	718.7	965.6	1199.0	1457.3	1731.5	2018.3	2342.4	2687.0	3091.7
-25°	353.1	518.1	694.4	916.9	1153.8	1392.1	1660.4	1925.8	2241.6	2580.0	2939.1
-27.5°	338.5	491.9	669.2	863.5	1100.6	1322.5	1580.1	1838.9	2128.3	2459.8	2790.5
-30°	319.3	463.6	638.3	812.1	1036.9	1256.9	1490.5	1745.2	2005.4	2320.1	2645.4
-32.5°	302.4	434.3	603.2	773.0	968.5	1183.1	1393.9	1636.6	1890.6	2158.9	2480.3
-35°	291.2	416.9	566.0	727.9	898.6	1102.8	1303.2	1514.2	1760.1	2011.9	2294.1
-37.5°	282.0	396.8	526.9	680.8	843.3	1018.5	1206.2	1400.3	1614.9	1868.7	2134.1
-40°	267.6	374.3	497.8	635.9	779.3	938.6	1112.8	1288.5	1474.5	1722.5	1984.3
-42.5°	249.1	352.5	470.5	587.1	718.1	863.5	1018.4	1183.8	1362.6	1578.0	1818.6
-45°	235.0	324.7	440.0	544.5	653.0	786.0	931.4	1081.2	1249.9	1434.8	1650.9
-47.5°	216.9	294.4	400.3	497.9	593.4	707.0	840.0	981.8	1131.1	1297.8	1475.0
-50°	197.7	269.1	351.6	446.6	537.8	632.2	745.6	876.8	1012.3	1157.5	1315.6
-52.5°	183.1	239.5	314.8	393.9	480.8	566.5	663.0	775.5	896.5	1017.9	1156.9
-55°	166.5	217.8	279.8	350.7	424.7	504.0	591.9	690.4	789.1	900.6	1011.5
-57.5°	154.9	196.9	250.6	312.2	378.6	446.0	529.0	612.3	703.7	795.9	888.0
-60°	145.8	178.8	223.4	277.6	336.8	399.8	467.9	544.8	623.5	698.8	778.4
-62.5°	135.4	164.1	199.0	243.2	296.7	351.4	411.4	477.3	548.5	611.9	673.6
-65°	121.9	146.8	176.8	212.8	254.8	301.1	352.2	407.7	469.2	520.7	571.1
-67.5°	106.4	127.4	152.5	182.0	217.0	253.1	290.7	337.6	387.5	429.5	470.5
-70°	87.0	106.4	126.9	150.9	178.4	209.0	242.0	276.1	310.3	344.6	382.1
-72.5°	66.6	84.3	101.7	118.8	140.7	165.8	192.7	221.3	251.1	280.4	309.0
-75°	50.8	62.2	77.5	92.9	108.1	124.4	142.6	165.3	193.1	221.5	247.6
-77.5°	38.3	48.0	58.1	68.7	78.3	90.4	103.5	117.6	140.5	166.8	193.3
-80°	27.7	33.4	41.5	50.0	56.8	63.4	70.3	77.5	94.5	115.7	138.2
-82.5°	20.5	24.5	28.9	33.9	37.3	40.6	44.3	49.0	61.7	75.9	91.0
-85°	14.1	15.3	17.7	20.4	22.4	24.3	26.3	28.3	35.1	42.7	50.9
-87.5°	12.2	12.7	13.4	14.1	14.3	14.6	14.8	15.0	17.3	19.7	22.2
-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: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.6	14.5	15.3	16.2	17.0	17.9	18.7	19.6	20.4	20.4	20.4
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°	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.6	1.7	1.8	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.6	3.4	2.5	1.7	0.8	1.3	2.1	2.4	2.5	2.2	1.7
62.5°	5.4	4.9	4.5	5.2	6.2	7.2	6.9	6.5	6.0	5.7	6.0
60°	20.1	13.4	15.5	19.5	18.2	12.5	20.5	23.2	19.8	13.5	13.1
57.5°	51.1	49.3	56.5	82.5	90.8	82.8	98.9	120.0	119.4	102.8	102.3
55°	108.8	146.0	190.8	198.1	229.4	292.0	340.7	319.4	319.2	335.3	387.1
52.5°	206.7	241.8	254.9	289.7	355.0	402.4	432.8	464.3	498.9	534.1	569.9
50°	303.3	337.4	376.1	411.8	502.1	550.8	542.7	608.0	691.5	743.6	770.5
47.5°	444.9	498.6	580.4	708.5	775.9	824.7	885.3	959.2	1054.9	1184.7	1284.8
45°	611.7	696.1	822.6	958.7	1063.3	1111.0	1180.4	1294.9	1447.5	1596.1	1704.6
42.5°	747.9	863.8	1006.4	1136.4	1221.8	1300.1	1390.0	1486.5	1661.3	1820.1	1945.5
40°	925.7	1015.9	1176.0	1298.6	1375.0	1452.7	1595.0	1739.5	1903.9	2051.8	2154.6
37.5°	1151.1	1252.6	1419.1	1557.8	1631.3	1658.8	1900.9	2102.1	2235.7	2424.5	2486.3
35°	1393.3	1560.4	1772.5	1952.2	2024.4	2168.4	2417.8	2698.6	3002.7	3114.6	3210.0
32.5°	1663.4	1869.6	2157.4	2350.3	2453.3	2671.8	2987.5	3287.1	3684.9	3900.7	3965.3
30°	1910.5	2147.1	2394.6	2582.0	2758.0	3021.2	3309.1	3678.6	4046.4	4322.4	4408.1
27.5°	2091.9	2353.7	2591.6	2767.1	2965.7	3249.5	3608.4	3982.6	4343.6	4625.2	4725.2
25°	2265.0	2561.0	2749.3	2953.4	3186.6	3495.8	3893.6	4309.3	4664.9	4902.9	5025.6
22.5°	2461.9	2753.7	2955.9	3128.8	3433.7	3790.0	4159.2	4629.0	5005.8	5195.7	5328.6
20°	2665.1	2995.3	3307.6	3468.4	3732.3	4183.5	4596.8	5040.3	5404.0	5601.9	5742.1
17.5°	2948.7	3369.5	3752.5	3980.2	4262.8	4802.3	5318.0	5766.6	6272.7	6451.4	6622.6
15°	3247.7	3734.7	4183.4	4544.2	4909.2	5443.7	6107.6	6648.9	7226.4	7484.3	7775.8
12.5°	3545.8	4006.6	4413.1	4878.5	5393.0	5865.8	6497.8	7171.9	7695.9	8024.8	8221.1
10°	3768.6	4196.6	4587.8	5054.3	5567.7	6102.6	6730.7	7421.7	7970.2	8250.9	8411.1
7.5°	3888.9	4298.5	4711.1	5183.9	5695.0	6264.7	6911.8	7597.4	8158.3	8430.2	8588.3
5°	3978.2	4371.6	4798.9	5296.5	5813.4	6391.0	7037.2	7714.6	8226.0	8515.0	8715.0
2.5°	4032.2	4418.0	4854.8	5369.3	5887.4	6489.0	7166.5	7868.7	8316.1	8548.6	8732.6
0°	4047.9	4436.4	4886.1	5407.5	5939.0	6545.5	7216.8	7911.9	8365.0	8589.9	8777.3
-2.5°	4065.5	4465.5	4927.6	5432.2	5959.2	6564.0	7249.2	7926.5	8334.1	8561.1	8739.4
-5°	4053.3	4467.8	4928.5	5411.7	5942.2	6542.2	7200.0	7833.2	8259.7	8505.0	8682.3
-7.5°	4016.6	4437.0	4892.9	5357.4	5877.7	6484.6	7139.6	7749.4	8181.4	8440.1	8634.1
-10°	3963.3	4371.3	4830.4	5300.8	5814.9	6392.5	7037.5	7643.7	8057.2	8331.9	8557.9
-12.5°	3904.1	4303.8	4746.2	5197.5	5705.9	6276.4	6901.3	7475.1	7886.1	8185.7	8347.3
-15°	3816.4	4215.9	4638.9	5075.3	5571.0	6124.4	6721.3	7271.8	7675.4	7919.2	8097.8
-17.5°	3704.9	4096.8	4497.9	4911.8	5378.8	5923.8	6524.4	7067.3	7396.3	7614.1	7789.6
-20°	3585.5	3947.9	4327.9	4718.5	5171.1	5711.0	6300.8	6774.4	7084.5	7293.7	7459.4



REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3449.1	3798.1	4145.9	4519.3	4963.1	5458.1	5979.1	6436.7	6770.1	6960.7	7113.8
-25°	3293.4	3632.9	3963.2	4323.9	4731.7	5176.7	5661.0	6110.8	6409.4	6611.8	6763.7
-27.5°	3125.8	3444.7	3767.3	4091.2	4457.9	4901.2	5349.8	5767.6	6022.5	6226.5	6379.2
-30°	2958.4	3245.3	3543.8	3850.4	4194.5	4594.2	5013.8	5365.1	5634.0	5832.2	5974.0
-32.5°	2777.0	3049.2	3313.7	3600.3	3924.3	4276.6	4644.8	4979.0	5266.2	5447.8	5567.3
-35°	2591.2	2854.7	3096.8	3356.9	3642.7	3946.7	4286.7	4616.2	4899.9	5043.5	5160.0
-37.5°	2397.7	2660.5	2890.0	3107.3	3353.5	3635.0	3966.1	4280.6	4525.7	4649.1	4754.1
-40°	2229.4	2460.8	2667.3	2875.3	3075.5	3325.5	3634.4	3938.9	4135.5	4255.9	4353.4
-42.5°	2066.1	2261.2	2430.4	2616.8	2817.1	3063.6	3312.9	3568.2	3726.2	3859.8	3962.5
-45°	1875.8	2050.3	2208.9	2363.9	2546.6	2771.6	2998.1	3202.6	3350.6	3479.7	3579.8
-47.5°	1665.5	1833.9	1987.9	2126.5	2296.3	2484.0	2674.6	2844.8	2991.0	3118.6	3207.8
-50°	1469.4	1619.8	1770.2	1910.5	2057.7	2209.5	2364.1	2513.5	2652.2	2776.2	2852.2
-52.5°	1293.7	1432.5	1563.9	1686.6	1815.4	1943.7	2071.8	2208.5	2336.2	2453.5	2514.2
-55°	1134.7	1259.9	1378.5	1481.8	1585.2	1686.9	1796.7	1923.0	2040.6	2149.2	2192.8
-57.5°	992.1	1099.2	1204.1	1291.5	1375.9	1456.8	1553.2	1659.8	1762.7	1855.8	1891.5
-60°	860.9	945.9	1033.6	1111.2	1184.6	1254.0	1338.1	1424.0	1507.4	1577.6	1608.0
-62.5°	740.1	812.9	879.4	942.4	1004.6	1067.1	1135.0	1203.1	1270.5	1324.5	1351.9
-65°	623.7	681.6	735.1	786.9	837.1	889.6	942.8	994.5	1044.4	1083.1	1106.8
-67.5°	514.5	558.5	600.9	641.2	683.3	725.8	767.4	807.1	844.6	874.4	897.1
-70°	417.6	451.7	484.9	518.3	553.4	586.5	617.8	647.4	675.4	696.9	714.4
-72.5°	336.7	364.3	392.9	423.0	451.4	476.1	498.6	520.3	541.0	553.2	562.3
-75°	271.4	294.7	319.6	343.9	367.6	386.4	403.0	419.0	434.3	435.1	432.1
-77.5°	219.3	240.1	259.4	278.5	297.4	309.0	319.1	329.5	340.0	334.0	324.3
-80°	160.9	178.2	194.6	211.1	227.6	234.4	239.2	243.4	246.9	238.9	229.0
-82.5°	106.8	117.7	128.4	139.2	150.2	154.6	157.9	160.6	162.7	155.5	147.2
-85°	59.6	64.9	70.0	75.2	80.4	83.5	86.3	88.8	91.2	86.9	82.1
-87.5°	24.8	26.0	27.2	28.3	29.4	30.5	31.6	32.6	33.6	33.8	33.9
-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: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	19.6
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°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.7	2.2	2.5	2.4
62.5°	6.2	6.5	6.7	6.8	6.7	6.5	6.2	6.0	5.7	6.0	6.5
60°	12.0	10.5	10.2	10.2	10.2	10.5	12.0	13.1	13.5	19.8	23.2
57.5°	94.5	80.9	82.9	92.0	82.9	80.9	94.5	102.3	102.8	119.4	120.0
55°	441.4	492.7	510.9	500.9	510.9	492.7	441.4	387.1	335.3	319.2	319.4
52.5°	598.1	619.2	627.3	627.0	627.3	619.2	598.1	569.9	534.1	498.9	464.3
50°	778.6	771.5	760.5	749.6	760.5	771.5	778.6	770.5	743.6	691.5	608.0
47.5°	1299.4	1276.8	1267.3	1284.6	1267.3	1276.8	1299.4	1284.8	1184.7	1054.9	959.2
45°	1726.7	1753.1	1772.8	1771.8	1772.8	1753.1	1726.7	1704.6	1596.1	1447.5	1294.9
42.5°	1970.1	1984.1	1988.2	1983.1	1988.2	1984.1	1970.1	1945.5	1820.1	1661.3	1486.5
40°	2186.9	2203.7	2213.1	2221.6	2213.1	2203.7	2186.9	2154.6	2051.8	1903.9	1739.5
37.5°	2506.6	2512.7	2499.3	2490.8	2499.3	2512.7	2506.6	2486.3	2424.5	2235.7	2102.1
35°	3290.4	3306.4	3269.3	3308.5	3269.3	3306.4	3290.4	3210.0	3114.6	3002.7	2698.6
32.5°	4042.1	4117.3	4178.2	4228.5	4178.2	4117.3	4042.1	3965.3	3900.7	3684.9	3287.1
30°	4467.9	4516.4	4542.5	4548.8	4542.5	4516.4	4467.9	4408.1	4322.4	4046.4	3678.6
27.5°	4780.5	4831.4	4863.1	4886.1	4863.1	4831.4	4780.5	4725.2	4625.2	4343.6	3982.6
25°	5081.8	5128.4	5160.1	5172.4	5160.1	5128.4	5081.8	5025.6	4902.9	4664.9	4309.3
22.5°	5394.5	5426.9	5457.3	5472.2	5457.3	5426.9	5394.5	5328.6	5195.7	5005.8	4629.0
20°	5842.7	5825.2	5852.9	5843.6	5852.9	5825.2	5842.7	5742.1	5601.9	5404.0	5040.3
17.5°	6756.2	6765.7	6784.2	6814.7	6784.2	6765.7	6756.2	6622.6	6451.4	6272.7	5766.6
15°	7905.0	7928.1	8045.6	8150.4	8045.6	7928.1	7905.0	7775.8	7484.3	7226.4	6648.9
12.5°	8403.2	8483.2	8495.7	8525.2	8495.7	8483.2	8403.2	8221.1	8024.8	7695.9	7171.9
10°	8569.5	8708.1	8705.1	8739.9	8705.1	8708.1	8569.5	8411.1	8250.9	7970.2	7421.7
7.5°	8695.7	8844.4	8907.3	8934.1	8907.3	8844.4	8695.7	8588.3	8430.2	8158.3	7597.4
5°	8849.7	8931.5	9040.1	9009.0	9040.1	8931.5	8849.7	8715.0	8515.0	8226.0	7714.6
2.5°	8914.3	9042.5	9012.9	9043.1	9012.9	9042.5	8914.3	8732.6	8548.6	8316.1	7868.7
0°	8957.9	9049.9	9063.5	9094.2	9063.5	9049.9	8957.9	8777.3	8589.9	8365.0	7911.9
-2.5°	8905.1	8986.1	9127.8	9084.0	9127.8	8986.1	8905.1	8739.4	8561.1	8334.1	7926.5
-5°	8858.8	9058.0	8980.6	9077.2	8980.6	9058.0	8858.8	8682.3	8505.0	8259.7	7833.2
-7.5°	8834.9	8870.5	8921.8	8995.4	8921.8	8870.5	8834.9	8634.1	8440.1	8181.4	7749.4
-10°	8649.9	8686.3	8780.7	8831.8	8780.7	8686.3	8649.9	8557.9	8331.9	8057.2	7643.7
-12.5°	8449.3	8519.9	8619.0	8651.3	8619.0	8519.9	8449.3	8347.3	8185.7	7886.1	7475.1
-15°	8218.3	8323.1	8419.7	8440.0	8419.7	8323.1	8218.3	8097.8	7919.2	7675.4	7271.8
-17.5°	7924.5	8050.2	8151.7	8174.2	8151.7	8050.2	7924.5	7789.6	7614.1	7396.3	7067.3
-20°	7600.7	7721.1	7807.5	7833.5	7807.5	7721.1	7600.7	7459.4	7293.7	7084.5	6774.4



REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7254.1	7362.5	7435.5	7424.6	7435.5	7362.5	7254.1	7113.8	6960.7	6770.1	6436.7
-25°	6886.1	6986.7	7056.3	7046.4	7056.3	6986.7	6886.1	6763.7	6611.8	6409.4	6110.8
-27.5°	6497.1	6592.4	6659.2	6661.4	6659.2	6592.4	6497.1	6379.2	6226.5	6022.5	5767.6
-30°	6088.3	6174.9	6229.2	6208.2	6229.2	6174.9	6088.3	5974.0	5832.2	5634.0	5365.1
-32.5°	5666.7	5745.0	5794.7	5809.5	5794.7	5745.0	5666.7	5567.3	5447.8	5266.2	4979.0
-35°	5250.8	5319.8	5362.8	5373.4	5362.8	5319.8	5250.8	5160.0	5043.5	4899.9	4616.2
-37.5°	4837.6	4897.0	4927.0	4913.4	4927.0	4897.0	4837.6	4754.1	4649.1	4525.7	4280.6
-40°	4429.3	4485.8	4520.2	4528.4	4520.2	4485.8	4429.3	4353.4	4255.9	4135.5	3938.9
-42.5°	4027.8	4074.8	4105.0	4119.5	4105.0	4074.8	4027.8	3962.5	3859.8	3726.2	3568.2
-45°	3638.2	3680.2	3708.5	3724.2	3708.5	3680.2	3638.2	3579.8	3479.7	3350.6	3202.6
-47.5°	3259.1	3296.0	3320.4	3332.4	3320.4	3296.0	3259.1	3207.8	3118.6	2991.0	2844.8
-50°	2896.6	2928.5	2951.3	2964.4	2951.3	2928.5	2896.6	2852.2	2776.2	2652.2	2513.5
-52.5°	2552.8	2580.7	2600.1	2610.0	2600.1	2580.7	2552.8	2514.2	2453.5	2336.2	2208.5
-55°	2224.5	2247.2	2265.1	2276.1	2265.1	2247.2	2224.5	2192.8	2149.2	2040.6	1923.0
-57.5°	1918.4	1936.9	1953.9	1966.0	1953.9	1936.9	1918.4	1891.5	1855.8	1762.7	1659.8
-60°	1631.9	1649.3	1663.8	1673.0	1663.8	1649.3	1631.9	1608.0	1577.6	1507.4	1424.0
-62.5°	1373.3	1388.7	1402.0	1410.6	1402.0	1388.7	1373.3	1351.9	1324.5	1270.5	1203.1
-65°	1125.5	1139.3	1149.2	1155.1	1149.2	1139.3	1125.5	1106.8	1083.1	1044.4	994.5
-67.5°	916.5	932.4	935.6	933.6	935.6	932.4	916.5	897.1	874.4	844.6	807.1
-70°	730.0	743.5	746.6	746.2	746.6	743.5	730.0	714.4	696.9	675.4	647.4
-72.5°	570.8	578.2	571.9	562.2	571.9	578.2	570.8	562.3	553.2	541.0	520.3
-75°	428.3	423.6	417.0	408.9	417.0	423.6	428.3	432.1	435.1	434.3	419.0
-77.5°	313.7	302.1	294.5	286.2	294.5	302.1	313.7	324.3	334.0	340.0	329.5
-80°	218.4	207.0	199.1	190.8	199.1	207.0	218.4	229.0	238.9	246.9	243.4
-82.5°	138.4	129.0	124.3	119.3	124.3	129.0	138.4	147.2	155.5	162.7	160.6
-85°	76.9	71.4	68.1	64.7	68.1	71.4	76.9	82.1	86.9	91.2	88.8
-87.5°	34.0	34.0	32.4	30.7	32.4	34.0	34.0	33.9	33.8	33.6	32.6
-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: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.7	17.9	17.0	16.2	15.3	14.5	13.6	12.8	11.9	11.1	10.2
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	0.1	0.1	0.0	0.0	0.3	0.4	0.2	0.0	0.4
67.5°	0.0	0.0	0.6	1.4	1.8	1.7	1.6	1.7	2.0	1.8	1.7
65°	2.1	1.3	0.8	1.7	2.5	3.4	3.6	3.1	3.1	3.5	4.2
62.5°	6.9	7.2	6.2	5.2	4.5	4.9	5.4	5.8	5.0	4.0	5.3
60°	20.5	12.5	18.2	19.5	15.5	13.4	20.1	19.1	10.0	8.6	7.7
57.5°	98.9	82.8	90.8	82.5	56.5	49.3	51.1	48.7	44.1	27.0	11.5
55°	340.7	292.0	229.4	198.1	190.8	146.0	108.8	90.8	82.3	59.4	39.4
52.5°	432.8	402.4	355.0	289.7	254.9	241.8	206.7	165.4	131.3	105.0	75.4
50°	542.7	550.8	502.1	411.8	376.1	337.4	303.3	255.6	212.5	170.4	125.7
47.5°	885.3	824.7	775.9	708.5	580.4	498.6	444.9	366.6	307.6	256.7	201.6
45°	1180.4	1111.0	1063.3	958.7	822.6	696.1	611.7	513.5	409.0	340.9	290.9
42.5°	1390.0	1300.1	1221.8	1136.4	1006.4	863.8	747.9	650.8	541.0	430.6	364.1
40°	1595.0	1452.7	1375.0	1298.6	1176.0	1015.9	925.7	783.1	668.4	546.1	455.3
37.5°	1900.9	1658.8	1631.3	1557.8	1419.1	1252.6	1151.1	1010.4	797.7	682.4	578.0
35°	2417.8	2168.4	2024.4	1952.2	1772.5	1560.4	1393.3	1261.9	1050.8	823.6	703.4
32.5°	2987.5	2671.8	2453.3	2350.3	2157.4	1869.6	1663.4	1496.3	1284.5	1027.4	834.5
30°	3309.1	3021.2	2758.0	2582.0	2394.6	2147.1	1910.5	1674.5	1444.6	1231.8	976.6
27.5°	3608.4	3249.5	2965.7	2767.1	2591.6	2353.7	2091.9	1838.9	1586.2	1376.0	1148.4
25°	3893.6	3495.8	3186.6	2953.4	2749.3	2561.0	2265.0	1988.6	1725.0	1492.7	1314.6
22.5°	4159.2	3790.0	3433.7	3128.8	2955.9	2753.7	2461.9	2127.1	1869.6	1674.2	1464.6
20°	4596.8	4183.5	3732.3	3468.4	3307.6	2995.3	2665.1	2334.1	2097.6	1873.9	1627.3
17.5°	5318.0	4802.3	4262.8	3980.2	3752.5	3369.5	2948.7	2620.3	2325.0	2075.7	1804.4
15°	6107.6	5443.7	4909.2	4544.2	4183.4	3734.7	3247.7	2892.9	2557.4	2276.9	1967.0
12.5°	6497.8	5865.8	5393.0	4878.5	4413.1	4006.6	3545.8	3154.6	2773.8	2408.3	2067.7
10°	6730.7	6102.6	5567.7	5054.3	4587.8	4196.6	3768.6	3305.1	2882.0	2495.2	2151.7
7.5°	6911.8	6264.7	5695.0	5183.9	4711.1	4298.5	3888.9	3403.0	2968.6	2565.5	2219.0
5°	7037.2	6391.0	5813.4	5296.5	4798.9	4371.6	3978.2	3477.1	3033.1	2618.8	2270.2
2.5°	7166.5	6489.0	5887.4	5369.3	4854.8	4418.0	4032.2	3533.7	3085.6	2658.4	2312.8
0°	7216.8	6545.5	5939.0	5407.5	4886.1	4436.4	4047.9	3570.9	3121.1	2681.6	2340.8
-2.5°	7249.2	6564.0	5959.2	5432.2	4927.6	4465.5	4065.5	3612.7	3132.4	2706.5	2348.7
-5°	7200.0	6542.2	5942.2	5411.7	4928.5	4467.8	4053.3	3618.9	3129.5	2713.1	2342.6
-7.5°	7139.6	6484.6	5877.7	5357.4	4892.9	4437.0	4016.6	3591.8	3118.8	2702.3	2331.1
-10°	7037.5	6392.5	5814.9	5300.8	4830.4	4371.3	3963.3	3540.4	3084.0	2671.3	2304.0
-12.5°	6901.3	6276.4	5705.9	5197.5	4746.2	4303.8	3904.1	3469.3	3024.5	2619.8	2261.1
-15°	6721.3	6124.4	5571.0	5075.3	4638.9	4215.9	3816.4	3390.7	2966.6	2556.3	2202.4
-17.5°	6524.4	5923.8	5378.8	4911.8	4497.9	4096.8	3704.9	3308.2	2899.9	2496.8	2149.5
-20°	6300.8	5711.0	5171.1	4718.5	4327.9	3947.9	3585.5	3215.8	2807.2	2428.3	2093.9



REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5979.1	5458.1	4963.1	4519.3	4145.9	3798.1	3449.1	3091.7	2687.0	2342.4	2018.3
-25°	5661.0	5176.7	4731.7	4323.9	3963.2	3632.9	3293.4	2939.1	2580.0	2241.6	1925.8
-27.5°	5349.8	4901.2	4457.9	4091.2	3767.3	3444.7	3125.8	2790.5	2459.8	2128.3	1838.9
-30°	5013.8	4594.2	4194.5	3850.4	3543.8	3245.3	2958.4	2645.4	2320.1	2005.4	1745.2
-32.5°	4644.8	4276.6	3924.3	3600.3	3313.7	3049.2	2777.0	2480.3	2158.9	1890.6	1636.6
-35°	4286.7	3946.7	3642.7	3356.9	3096.8	2854.7	2591.2	2294.1	2011.9	1760.1	1514.2
-37.5°	3966.1	3635.0	3353.5	3107.3	2890.0	2660.5	2397.7	2134.1	1868.7	1614.9	1400.3
-40°	3634.4	3325.5	3075.5	2875.3	2667.3	2460.8	2229.4	1984.3	1722.5	1474.5	1288.5
-42.5°	3312.9	3063.6	2817.1	2616.8	2430.4	2261.2	2066.1	1818.6	1578.0	1362.6	1183.8
-45°	2998.1	2771.6	2546.6	2363.9	2208.9	2050.3	1875.8	1650.9	1434.8	1249.9	1081.2
-47.5°	2674.6	2484.0	2296.3	2126.5	1987.9	1833.9	1665.5	1475.0	1297.8	1131.1	981.8
-50°	2364.1	2209.5	2057.7	1910.5	1770.2	1619.8	1469.4	1315.6	1157.5	1012.3	876.8
-52.5°	2071.8	1943.7	1815.4	1686.6	1563.9	1432.5	1293.7	1156.9	1017.9	896.5	775.5
-55°	1796.7	1686.9	1585.2	1481.8	1378.5	1259.9	1134.7	1011.5	900.6	789.1	690.4
-57.5°	1553.2	1456.8	1375.9	1291.5	1204.1	1099.2	992.1	888.0	795.9	703.7	612.3
-60°	1338.1	1254.0	1184.6	1111.2	1033.6	945.9	860.9	778.4	698.8	623.5	544.8
-62.5°	1135.0	1067.1	1004.6	942.4	879.4	812.9	740.1	673.6	611.9	548.5	477.3
-65°	942.8	889.6	837.1	786.9	735.1	681.6	623.7	571.1	520.7	469.2	407.7
-67.5°	767.4	725.8	683.3	641.2	600.9	558.5	514.5	470.5	429.5	387.5	337.6
-70°	617.8	586.5	553.4	518.3	484.9	451.7	417.6	382.1	344.6	310.3	276.1
-72.5°	498.6	476.1	451.4	423.0	392.9	364.3	336.7	309.0	280.4	251.1	221.3
-75°	403.0	386.4	367.6	343.9	319.6	294.7	271.4	247.6	221.5	193.1	165.3
-77.5°	319.1	309.0	297.4	278.5	259.4	240.1	219.3	193.3	166.8	140.5	117.6
-80°	239.2	234.4	227.6	211.1	194.6	178.2	160.9	138.2	115.7	94.5	77.5
-82.5°	157.9	154.6	150.2	139.2	128.4	117.7	106.8	91.0	75.9	61.7	49.0
-85°	86.3	83.5	80.4	75.2	70.0	64.9	59.6	50.9	42.7	35.1	28.3
-87.5°	31.6	30.5	29.4	28.3	27.2	26.0	24.8	22.2	19.7	17.3	15.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	9.4	8.5	7.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.8
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.5	1.0
82.5°	0.0	0.0	0.0	0.1	0.6	0.9	1.0	0.9	0.5	0.1	0.3
80°	0.0	0.0	0.0	0.1	0.8	1.8	2.2	2.3	1.8	1.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.3	1.0	1.9	3.1	3.1	2.4	1.7
75°	0.0	0.0	0.0	0.1	0.2	0.1	0.7	1.8	2.8	3.4	2.7
72.5°	0.0	0.0	0.0	0.4	0.9	1.0	0.6	0.6	2.0	2.9	3.4
70°	0.5	0.2	0.0	0.6	1.4	2.1	1.9	1.6	1.3	2.5	3.2
67.5°	1.6	1.7	1.3	1.0	1.5	2.4	3.2	3.0	2.6	2.2	3.1
65°	4.0	3.7	3.3	3.0	2.5	2.5	3.3	4.2	4.0	3.4	3.1
62.5°	5.9	5.9	5.5	5.0	4.4	3.8	3.5	4.7	5.2	4.6	3.8
60°	7.6	8.0	7.6	6.9	6.3	5.6	5.1	5.3	5.9	5.7	4.9
57.5°	10.6	10.3	10.1	9.2	8.1	7.3	6.8	6.7	6.8	6.7	5.9
55°	18.7	13.0	13.1	12.1	10.4	9.0	8.6	8.3	7.9	7.8	6.9
52.5°	47.3	26.3	16.9	15.6	13.5	11.1	10.3	9.9	9.4	8.9	7.9
50°	87.4	56.6	32.0	20.1	17.1	14.6	12.1	11.5	10.8	10.1	8.8
47.5°	139.9	97.3	63.2	31.7	22.1	18.2	15.1	13.1	12.2	11.4	9.8
45°	215.5	143.3	99.4	62.8	29.5	25.2	18.7	14.6	13.7	12.5	10.7
42.5°	299.8	210.3	139.4	94.8	56.3	34.9	22.5	17.8	15.1	13.8	11.8
40°	382.5	290.6	187.3	130.8	85.0	46.7	32.3	21.3	16.5	15.2	12.9
37.5°	474.0	375.6	262.3	169.1	114.1	71.4	44.3	24.8	18.7	16.6	14.1
35°	587.2	469.9	337.4	225.3	151.2	94.2	57.5	31.5	23.0	18.1	15.3
32.5°	700.2	564.1	418.6	290.6	189.8	115.3	74.8	45.0	28.1	19.6	16.6
30°	813.9	650.3	495.1	351.1	234.3	149.0	93.5	58.0	33.8	21.3	17.9
27.5°	916.3	731.6	566.7	414.3	286.5	184.7	113.0	70.7	40.2	24.1	19.2
25°	1032.0	819.6	637.1	474.7	334.3	221.9	133.0	83.1	49.5	29.0	20.6
22.5°	1180.8	909.9	702.4	529.5	381.6	257.4	158.8	99.5	59.8	34.2	21.9
20°	1328.8	998.1	766.4	598.1	433.0	297.5	188.5	115.8	69.5	39.6	23.3
17.5°	1474.1	1111.2	859.4	668.2	488.0	334.9	216.3	131.8	78.7	45.1	24.6
15°	1604.3	1240.8	950.8	734.5	541.9	369.5	242.1	147.4	87.2	50.6	26.3
12.5°	1713.6	1352.5	1036.9	796.5	593.8	401.2	265.6	162.3	95.2	56.8	28.7
10°	1803.9	1447.0	1116.8	853.8	642.8	429.6	286.7	177.3	104.5	63.2	31.2
7.5°	1876.1	1525.1	1189.4	905.9	687.3	456.2	309.5	193.0	113.5	69.4	33.7
5°	1930.4	1585.9	1245.5	943.2	722.7	480.6	330.5	207.5	121.9	75.2	36.2
2.5°	1965.7	1630.8	1287.2	972.4	751.5	501.2	348.9	220.4	129.5	80.5	38.7
0°	1986.5	1662.8	1318.6	994.9	773.5	517.9	364.6	231.7	136.3	85.2	40.9
-2.5°	2005.1	1683.8	1346.1	1034.1	788.6	545.2	374.6	241.9	147.1	88.6	45.1
-5°	2011.2	1693.0	1364.1	1064.3	797.7	567.4	381.7	250.2	156.5	91.3	48.8
-7.5°	2000.8	1687.5	1370.4	1081.5	801.9	583.0	385.8	256.6	164.2	93.4	52.2
-10°	1977.8	1669.2	1362.1	1076.3	807.7	587.9	388.1	261.4	169.7	95.0	54.9
-12.5°	1943.6	1641.6	1344.2	1064.9	806.7	584.8	394.5	265.1	172.6	96.0	57.0
-15°	1898.8	1605.5	1316.8	1048.0	797.0	577.8	396.1	266.5	172.3	98.0	58.2
-17.5°	1846.1	1561.8	1280.1	1026.5	778.1	567.2	392.6	264.8	170.6	101.0	59.4
-20°	1793.4	1513.1	1236.6	1001.1	749.6	553.4	383.4	260.0	167.5	102.9	60.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1731.5	1457.3	1199.0	965.6	718.7	536.8	368.5	251.7	163.0	103.7	61.2
-25°	1660.4	1392.1	1153.8	916.9	694.4	518.1	353.1	239.9	157.2	103.4	61.0
-27.5°	1580.1	1322.5	1100.6	863.5	669.2	491.9	338.5	231.3	152.3	102.0	60.1
-30°	1490.5	1256.9	1036.9	812.1	638.3	463.6	319.3	221.6	150.1	100.1	58.5
-32.5°	1393.9	1183.1	968.5	773.0	603.2	434.3	302.4	210.7	146.3	97.6	58.5
-35°	1303.2	1102.8	898.6	727.9	566.0	416.9	291.2	198.6	141.1	94.3	58.9
-37.5°	1206.2	1018.5	843.3	680.8	526.9	396.8	282.0	193.1	134.2	89.9	58.6
-40°	1112.8	938.6	779.3	635.9	497.8	374.3	267.6	187.1	127.7	84.6	57.8
-42.5°	1018.4	863.5	718.1	587.1	470.5	352.5	249.1	177.8	122.4	81.6	56.5
-45°	931.4	786.0	653.0	544.5	440.0	324.7	235.0	166.2	115.9	79.3	55.3
-47.5°	840.0	707.0	593.4	497.9	400.3	294.4	216.9	157.0	108.0	76.5	54.5
-50°	745.6	632.2	537.8	446.6	351.6	269.1	197.7	146.0	105.2	74.2	53.2
-52.5°	663.0	566.5	480.8	393.9	314.8	239.5	183.1	134.3	101.5	72.3	51.3
-55°	591.9	504.0	424.7	350.7	279.8	217.8	166.5	128.7	96.9	69.9	49.0
-57.5°	529.0	446.0	378.6	312.2	250.6	196.9	154.9	122.0	92.0	66.7	46.9
-60°	467.9	399.8	336.8	277.6	223.4	178.8	145.8	114.4	86.3	62.5	44.6
-62.5°	411.4	351.4	296.7	243.2	199.0	164.1	135.4	105.5	79.5	57.3	41.6
-65°	352.2	301.1	254.8	212.8	176.8	146.8	121.9	95.4	70.6	51.0	37.7
-67.5°	290.7	253.1	217.0	182.0	152.5	127.4	106.4	81.9	60.1	43.8	33.1
-70°	242.0	209.0	178.4	150.9	126.9	106.4	87.0	66.2	48.4	37.5	28.2
-72.5°	192.7	165.8	140.7	118.8	101.7	84.3	66.6	50.7	40.2	30.9	23.0
-75°	142.6	124.4	108.1	92.9	77.5	62.2	50.8	40.3	31.7	24.1	19.4
-77.5°	103.5	90.4	78.3	68.7	58.1	48.0	38.3	29.6	24.0	20.0	16.3
-80°	70.3	63.4	56.8	50.0	41.5	33.4	27.7	22.8	19.3	16.1	13.1
-82.5°	44.3	40.6	37.3	33.9	28.9	24.5	20.5	17.1	14.5	12.1	10.7
-85°	26.3	24.3	22.4	20.4	17.7	15.3	14.1	13.0	11.9	10.8	9.7
-87.5°	14.8	14.6	14.3	14.1	13.4	12.7	12.2	11.6	10.6	9.7	8.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.5

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REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.8	6.0	5.1	4.2	3.4	3.4	3.4
87.5°	2.5	2.8	3.1	3.3	3.4	3.4	3.4
85°	1.7	2.3	2.8	3.2	3.4	3.4	3.4
82.5°	0.8	1.8	2.5	3.1	3.4	3.4	3.4
80°	0.2	1.3	2.3	3.0	3.4	3.4	3.4
77.5°	1.1	1.1	2.0	2.9	3.4	3.4	3.4
75°	1.9	1.7	1.9	2.8	3.4	3.4	3.4
72.5°	2.7	2.2	2.2	2.7	3.4	3.4	3.4
70°	3.4	2.7	2.4	2.7	3.4	3.4	3.4
67.5°	3.5	3.2	2.7	2.8	3.4	3.4	3.4
65°	3.6	3.5	3.0	2.9	3.4	3.4	3.4
62.5°	3.8	3.8	3.2	3.1	3.4	3.4	3.4
60°	4.0	4.1	3.4	3.1	3.4	3.4	3.4
57.5°	4.8	4.4	3.7	3.2	3.4	3.4	3.4
55°	5.7	4.8	4.1	3.3	3.5	3.4	3.4
52.5°	6.5	5.2	4.4	3.3	3.6	3.4	3.4
50°	7.4	5.9	4.8	3.4	3.6	3.4	3.4
47.5°	8.2	6.6	5.2	3.5	3.7	3.4	3.4
45°	9.0	7.2	5.6	3.8	3.8	3.4	3.4
42.5°	9.8	7.9	6.0	4.1	3.9	3.4	3.4
40°	10.5	8.5	6.5	4.5	4.0	3.4	3.4
37.5°	11.3	9.1	7.0	5.0	4.2	3.4	3.4
35°	12.0	9.7	7.5	5.4	4.3	3.4	3.4
32.5°	12.8	10.3	7.9	5.8	4.5	3.4	3.4
30°	13.8	10.8	8.3	6.3	4.6	3.4	3.4
27.5°	14.8	11.4	8.9	6.7	4.8	3.4	3.4
25°	15.8	11.9	9.4	7.1	5.0	3.4	3.4
22.5°	16.8	12.4	9.9	7.5	5.2	3.4	3.4
20°	17.8	13.0	10.4	7.8	5.4	3.4	3.4
17.5°	18.7	13.6	10.9	8.2	5.6	3.4	3.4
15°	19.7	14.2	11.4	8.5	5.7	3.4	3.4
12.5°	20.6	14.7	11.8	8.8	5.9	3.4	3.4
10°	21.4	15.2	12.2	9.2	6.1	3.4	3.4
7.5°	22.1	15.7	12.6	9.4	6.3	3.4	3.4
5°	22.8	16.2	12.9	9.7	6.5	3.4	3.4
2.5°	23.4	16.6	13.3	10.0	6.6	3.4	3.4
0°	23.9	17.0	13.6	10.2	6.8	3.4	3.4
-2.5°	25.2	17.4	13.9	10.2	6.8	3.4	3.4
-5°	26.4	17.7	14.1	10.2	6.8	3.4	3.4
-7.5°	27.5	18.0	14.3	10.1	6.7	3.4	3.4
-10°	28.4	18.2	14.5	10.0	6.7	3.4	3.4
-12.5°	29.0	18.5	14.6	10.0	6.6	3.4	3.4
-15°	29.4	18.6	14.7	9.9	6.6	3.4	3.4
-17.5°	29.6	18.8	14.6	9.7	6.5	3.4	3.4
-20°	30.3	18.9	14.5	9.6	6.4	3.4	3.4

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REPORT NUMBER: P627060 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	32.3	19.0	14.4	9.4	6.3	3.4	3.4
-25°	33.8	20.2	14.1	9.2	6.2	3.4	3.4
-27.5°	35.1	21.8	13.8	9.0	6.0	3.4	3.4
-30°	35.9	23.2	13.4	8.8	5.9	3.4	3.4
-32.5°	36.4	24.3	13.9	8.6	5.7	3.4	3.4
-35°	37.3	25.2	14.3	8.3	5.6	3.4	3.4
-37.5°	38.3	25.8	14.5	8.1	5.4	3.4	3.4
-40°	39.0	26.0	14.7	7.8	5.2	3.4	3.4
-42.5°	39.2	26.0	14.8	7.6	5.0	3.4	3.4
-45°	39.0	25.8	14.8	7.7	4.8	3.4	3.4
-47.5°	38.4	25.4	14.7	7.6	4.6	3.4	3.4
-50°	37.6	24.8	14.5	7.5	4.4	3.4	3.4
-52.5°	36.6	24.1	14.0	7.4	4.1	3.4	3.4
-55°	35.2	23.1	13.4	7.2	3.9	3.4	3.4
-57.5°	33.7	21.8	12.7	6.9	3.7	3.4	3.4
-60°	31.8	20.3	11.8	6.6	3.4	3.4	3.4
-62.5°	29.3	18.6	11.1	6.3	3.4	3.4	3.4
-65°	26.4	16.7	10.4	5.9	3.4	3.4	3.4
-67.5°	23.2	15.0	9.6	5.4	3.4	3.4	3.4
-70°	19.7	13.6	8.7	4.9	3.4	3.4	3.4
-72.5°	17.4	12.1	7.8	4.8	3.4	3.4	3.4
-75°	15.2	10.6	6.8	4.8	3.4	3.4	3.4
-77.5°	12.8	8.9	6.4	4.7	3.4	3.4	3.4
-80°	10.4	8.0	6.2	4.6	3.4	3.4	3.4
-82.5°	9.4	7.5	5.9	4.6	3.4	3.4	3.4
-85°	8.5	7.0	5.7	4.5	3.4	3.4	3.4
-87.5°	7.7	6.5	5.4	4.4	3.4	3.4	3.4
-90°	3.4	3.4	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)