

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: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-750-U-WR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627482 (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-SA4D-750-U-WR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

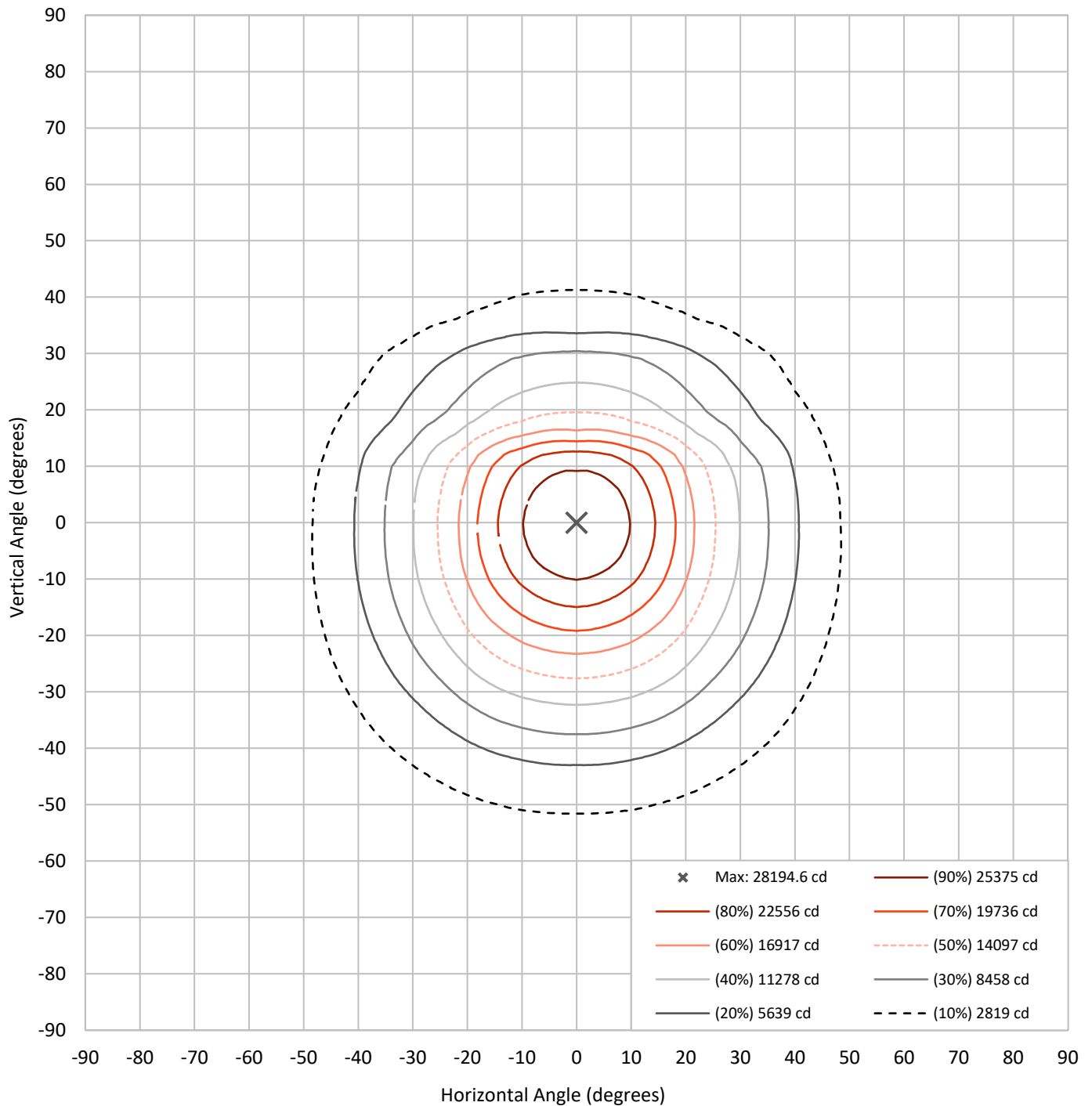
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	24873.7 lumens	Max Intensity:	28194.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	11975.5 lumens	Field Lumens:	22270.4 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%
Input Watts (W):	221.4		
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





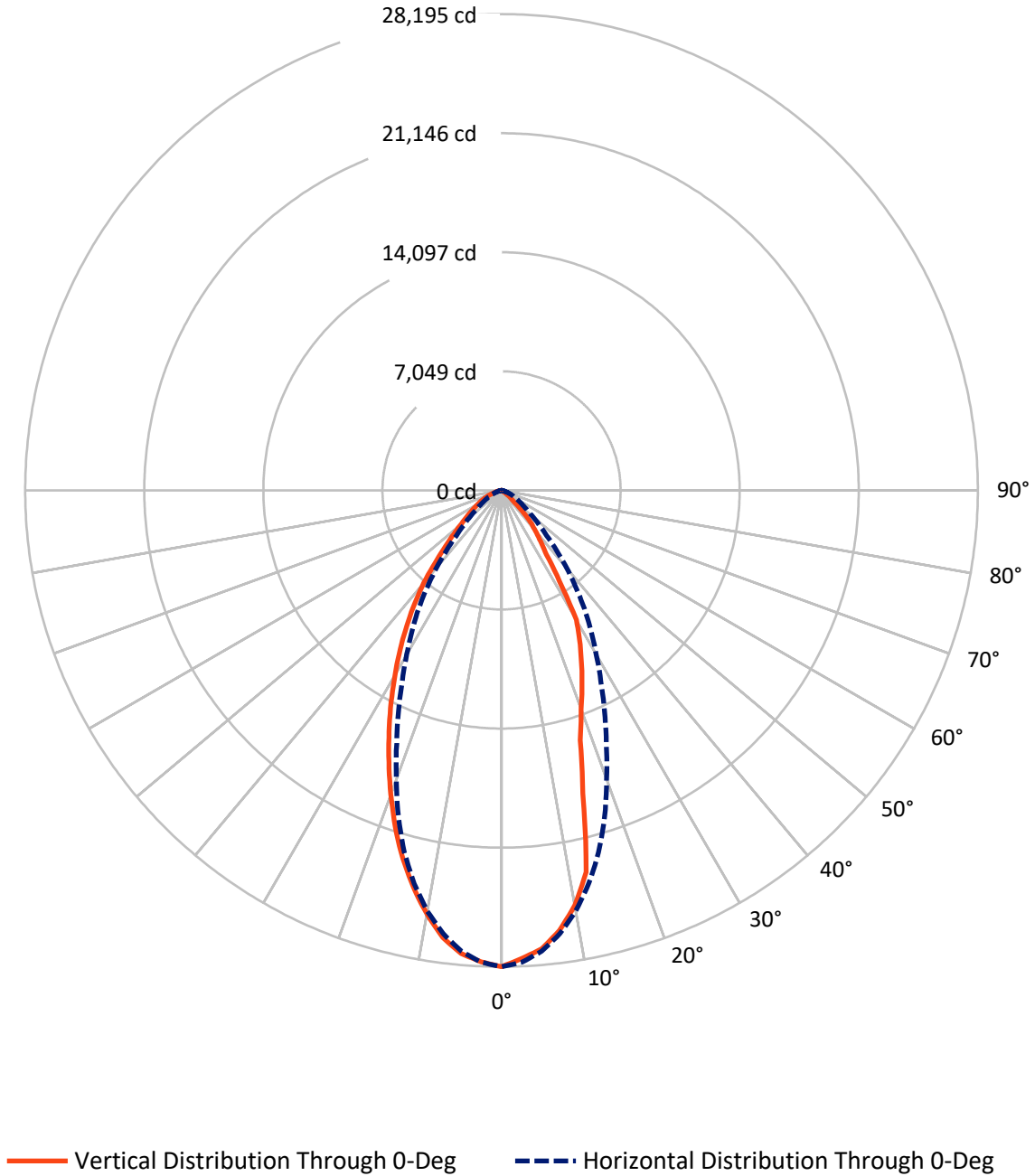
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### Lumen Table

90																			
80	0.0	0.1		0.2		0.0		0.0		0.0		0.2		0.1		0.0			
70																			
60	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1			
50		0.5	1.3	2.3	3.9	5.7	7.8	8.8	8.8	7.8	5.7	3.9	2.3	1.3	0.5				
40	1.1	1.9	4.8	10.1	18.5	30.4	43.8	53.7	53.7	43.8	30.4	18.5	10.1	4.8	1.9	1.1			
30		3.8	9.7	22.5	46.4	85.3	130.5	156.9	156.9	130.5	85.3	46.4	22.5	9.7	3.8				
20	2.7	5.9	15.8	40.9	96.6	181.4	276.1	332.7	332.7	276.1	181.4	96.6	40.9	15.8	5.9	2.7			
10		8.1	22.4	64.0	158.9	293.9	459.3	567.8	567.8	459.3	293.9	158.9	64.0	22.4	8.1				
0	3.9	9.4	28.2	82.8	208.7	389.0	624.6	792.0	792.0	624.6	389.0	208.7	82.8	28.2	9.4	3.9			
-10		9.8	29.4	85.5	211.7	394.7	631.0	796.9	796.9	631.0	394.7	211.7	85.5	29.4	9.8				
-20	4.1	9.7	27.8	76.1	187.6	346.5	534.2	659.2	659.2	534.2	346.5	187.6	76.1	27.8	9.7	4.1			
-30		8.9	24.1	59.6	140.0	261.2	389.4	466.9	466.9	389.4	261.2	140.0	59.6	24.1	8.9				
-40	3.5	7.8	19.5	43.1	88.1	162.1	244.5	291.1	291.1	244.5	162.1	88.1	43.1	19.5	7.8	3.5			
-50		6.5	15.1	29.8	52.9	84.9	121.7	144.9	144.9	121.7	84.9	52.9	29.8	15.1	6.5				
-60	2.2	5.0	11.0	19.8	32.3	46.5	60.2	68.1	68.1	60.2	46.5	32.3	19.8	11.0	5.0	2.2			
-70		3.5	7.3	12.2	18.8	25.6	31.3	34.1	34.1	31.3	25.6	18.8	12.2	7.3	3.5				
-80																			
-90	0.6	7.1		18.2		32.7		29.8		32.7		18.2		7.1		0.6			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

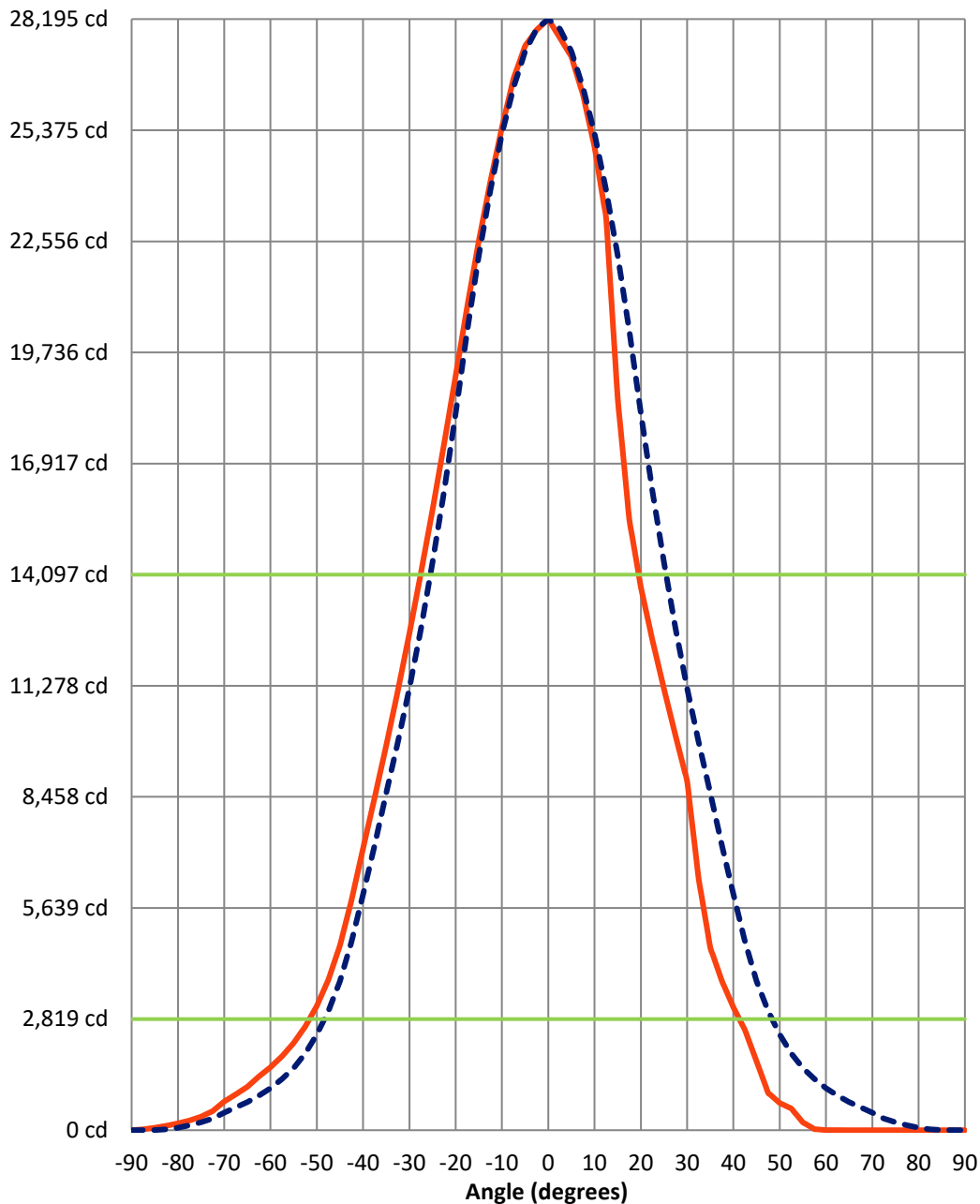
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 50.9°  
 V Angle: 47.1°  
 Lumens: 11975.5  
 Efficiency: 48.1%

**Field:**  
 H Angle: 96.7°  
 V Angle: 92.9°  
 Lumens: 22270.4  
 Efficiency: 89.5%

**Spill:**  
 Lumens: 2603.3  
 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	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.0	2.0
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.4	0.9	1.3	1.7	2.0	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.6	1.2	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	0.0	0.7	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2
67.5°	0.0	0.8	1.5	2.0	2.0	2.0	2.2	2.0	2.0	2.6	2.5
65°	0.0	0.8	1.7	2.0	2.0	2.2	2.4	2.0	2.9	3.3	3.9
62.5°	0.0	0.9	1.8	2.0	2.0	2.7	2.7	2.7	3.8	5.4	8.4
60°	0.0	1.0	2.0	2.0	2.0	3.2	3.2	3.8	4.8	13.3	14.4
57.5°	0.0	1.1	2.0	2.0	2.6	3.8	5.4	5.2	13.1	22.4	24.7
55°	0.0	1.1	2.1	2.0	3.2	4.4	8.3	7.6	24.0	33.9	38.3
52.5°	0.0	1.2	2.1	2.0	3.8	5.6	11.6	18.9	35.9	50.3	54.3
50°	0.0	1.3	2.1	2.0	4.5	9.1	15.4	31.3	50.2	68.5	82.8
47.5°	0.0	1.4	2.2	2.1	5.2	12.8	20.5	43.8	69.0	88.5	112.3
45°	0.0	1.4	2.2	2.7	6.0	16.8	31.4	56.4	87.8	114.6	141.4
42.5°	0.0	1.5	2.3	3.3	6.7	20.9	42.2	71.3	106.6	140.4	173.8
40°	0.0	1.5	2.4	4.0	8.8	25.4	53.1	87.6	126.1	165.6	207.6
37.5°	0.0	1.6	2.5	4.9	12.3	30.0	63.8	103.7	147.3	191.5	242.1
35°	0.0	1.6	2.5	5.8	15.8	37.2	74.4	119.5	168.5	222.4	279.7
32.5°	0.0	1.7	2.6	6.8	19.3	45.7	85.6	135.1	189.7	254.2	321.9
30°	0.0	1.7	2.7	7.9	22.8	53.8	98.3	150.9	210.9	286.6	364.5
27.5°	0.0	1.8	2.8	9.1	26.9	61.8	110.5	168.2	234.2	319.6	407.3
25°	0.0	1.8	2.9	10.3	30.9	69.5	122.2	185.1	261.1	354.7	450.0
22.5°	0.0	1.8	3.0	11.5	34.9	76.9	133.5	201.6	287.7	390.2	493.4
20°	0.0	1.9	3.2	12.8	38.7	84.1	144.3	217.5	313.9	425.0	534.7
17.5°	0.0	1.9	3.3	14.0	42.4	91.0	154.2	232.8	339.4	458.7	573.8
15°	0.0	1.9	3.4	15.3	45.9	97.3	163.4	246.4	364.0	491.2	610.7
12.5°	0.0	2.0	3.5	16.6	49.2	103.3	171.7	257.8	384.4	522.3	645.3
10°	0.0	2.0	3.6	17.8	52.4	108.7	179.3	267.9	400.7	540.6	672.4
7.5°	0.0	2.0	3.7	19.0	55.3	113.6	186.1	276.9	415.0	554.6	686.6
5°	0.0	2.0	3.8	20.2	57.9	117.9	192.1	284.5	427.3	565.7	698.1
2.5°	0.0	2.0	3.9	21.2	60.3	121.7	197.2	290.9	437.3	574.2	706.9
0°	0.0	2.0	4.0	22.2	62.4	124.9	201.4	296.0	445.1	580.0	712.9
-2.5°	0.0	2.1	4.6	23.6	65.3	128.8	206.9	304.5	453.8	588.4	722.3
-5°	0.0	2.3	5.2	24.9	67.8	132.1	211.4	311.7	460.1	594.4	729.0
-7.5°	0.0	2.4	5.8	26.0	69.9	134.8	215.0	317.3	464.2	598.1	733.0
-10°	0.0	2.5	6.4	27.1	71.7	136.8	217.6	321.3	465.9	599.6	734.2
-12.5°	0.0	2.6	6.9	27.9	73.0	138.1	219.1	323.5	465.3	598.7	730.8
-15°	0.0	2.7	7.4	28.6	73.9	138.7	219.5	324.0	461.9	593.5	723.7
-17.5°	0.0	2.8	7.8	29.2	74.3	138.7	218.9	323.4	456.0	586.4	713.9
-20°	0.0	2.9	8.3	29.5	74.2	137.9	218.3	321.9	448.5	577.5	701.4

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CATALOG NUMBER: GFLD-SA4D-750-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	2.9	8.6	29.7	73.6	136.4	218.4	319.0	439.7	567.0	686.2
-25°	0.0	3.0	9.0	29.7	72.5	135.9	217.4	314.7	429.6	555.0	668.3
-27.5°	0.0	3.0	9.2	29.5	70.8	135.3	215.3	309.1	418.4	541.0	651.8
-30°	0.0	3.1	9.5	29.1	68.8	133.9	212.2	302.3	408.5	525.3	634.1
-32.5°	0.0	3.1	9.6	28.4	67.9	131.6	207.9	296.6	398.8	508.9	615.0
-35°	0.0	3.1	9.7	27.6	66.5	128.4	203.8	290.4	387.7	491.9	594.9
-37.5°	0.0	3.1	9.7	26.6	64.5	125.0	199.2	282.9	375.4	474.5	571.1
-40°	0.0	3.0	9.7	25.3	61.9	121.9	193.5	274.2	361.8	458.3	545.8
-42.5°	0.0	3.0	9.6	24.1	60.1	118.1	186.6	264.2	349.3	437.2	518.8
-45°	0.0	2.9	9.5	23.2	58.9	113.5	178.7	253.8	336.4	414.6	490.7
-47.5°	0.0	2.9	9.3	21.9	57.1	108.1	169.7	243.1	321.9	391.2	464.7
-50°	0.0	2.8	9.0	21.6	54.7	102.0	161.8	231.1	303.0	369.9	438.0
-52.5°	0.0	2.7	8.7	21.3	51.7	95.1	153.3	217.9	284.2	347.7	410.8
-55°	0.0	2.6	8.3	20.7	48.1	89.5	143.8	203.7	264.8	324.5	385.1
-57.5°	0.0	2.5	7.8	19.9	44.0	83.5	133.4	191.1	244.4	301.1	358.6
-60°	0.0	2.3	7.3	18.8	39.4	76.6	122.4	175.8	223.4	276.9	331.2
-62.5°	0.0	2.2	6.8	17.5	36.7	68.8	111.7	158.9	202.7	251.7	303.0
-65°	0.0	2.0	6.4	15.9	33.6	60.4	99.9	141.2	180.7	225.2	273.7
-67.5°	0.0	1.8	5.8	14.2	30.0	52.9	87.1	123.4	157.4	197.1	241.2
-70°	0.0	1.7	5.3	12.2	26.1	46.4	73.4	104.9	135.3	167.7	206.3
-72.5°	0.0	1.5	4.7	10.8	21.9	39.4	62.4	85.9	112.7	141.1	171.1
-75°	0.0	1.3	4.1	9.4	17.4	31.9	51.2	70.0	89.4	113.8	139.6
-77.5°	0.0	1.1	3.4	8.0	14.4	24.0	39.5	55.0	71.0	87.8	107.4
-80°	0.0	0.9	2.8	6.5	11.7	18.4	27.3	39.7	52.8	66.5	80.9
-82.5°	0.0	0.7	2.1	4.9	8.8	13.9	20.1	26.6	34.3	44.9	56.0
-85°	0.0	0.4	1.4	3.3	5.9	9.3	13.5	17.8	22.7	28.0	33.9
-87.5°	0.0	0.2	0.7	1.6	3.0	4.7	6.8	8.9	11.4	14.1	17.0
-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°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.7
67.5°	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	1.5	1.0
65°	2.0	2.0	2.8	3.0	2.1	2.0	2.0	2.0	2.1	1.8	1.8
62.5°	2.9	3.6	4.5	7.0	5.2	2.0	3.9	4.6	3.1	2.5	2.7
60°	8.8	6.1	15.5	21.5	14.0	7.4	9.1	18.3	15.0	4.1	10.7
57.5°	17.8	22.0	39.0	40.9	31.4	21.3	46.6	51.7	42.9	27.0	38.8
55°	37.1	52.1	65.8	65.0	65.4	82.3	96.7	95.0	83.8	115.4	145.4
52.5°	70.1	85.7	94.8	103.3	126.8	142.5	147.0	155.9	188.7	227.9	235.0
50°	102.9	119.0	131.0	161.6	185.7	198.1	209.6	239.6	289.3	316.2	320.6
47.5°	136.1	154.1	185.7	219.2	242.5	261.2	281.1	349.4	404.8	427.7	436.0
45°	170.7	201.8	241.3	275.7	302.7	327.9	392.7	486.0	524.9	560.1	649.6
42.5°	206.7	253.4	297.9	334.0	364.4	417.3	507.4	597.7	653.5	728.4	836.5
40°	252.5	304.9	356.5	393.2	431.2	511.2	622.9	718.5	777.5	877.9	1001.2
37.5°	299.1	360.4	416.1	454.8	508.1	616.4	747.6	862.1	935.3	1017.1	1215.2
35°	345.1	417.0	474.1	525.9	591.8	741.2	902.8	1030.3	1120.8	1260.8	1511.4
32.5°	394.2	474.5	532.9	603.5	711.9	878.9	1077.4	1218.9	1369.0	1570.4	1971.9
30°	446.5	528.5	595.6	680.4	825.8	1020.6	1250.9	1428.8	1632.6	1959.7	2392.4
27.5°	498.7	582.1	664.8	772.8	932.4	1142.9	1383.5	1663.9	1927.2	2293.0	2766.0
25°	548.8	636.9	732.7	863.2	1035.8	1256.1	1518.8	1842.3	2185.9	2604.3	3159.7
22.5°	596.6	692.5	804.7	944.9	1123.1	1363.7	1676.9	2056.8	2469.7	2903.2	3541.5
20°	643.5	754.5	883.3	1040.2	1203.4	1462.8	1831.6	2291.6	2809.1	3402.9	4028.3
17.5°	689.8	815.8	964.5	1138.9	1336.6	1602.1	1990.1	2537.8	3167.6	3940.4	4710.5
15°	735.1	875.9	1043.0	1236.4	1471.0	1788.4	2229.0	2830.9	3591.9	4517.4	5429.6
12.5°	779.1	934.2	1118.4	1331.6	1601.3	1963.7	2454.2	3103.5	3975.5	5081.1	6201.8
10°	821.3	990.1	1189.9	1423.5	1726.2	2126.8	2653.2	3339.4	4264.9	5404.4	6650.7
7.5°	842.8	1028.0	1251.0	1510.9	1843.9	2276.5	2826.4	3538.7	4491.0	5664.3	6914.0
5°	858.1	1045.3	1274.0	1545.9	1908.7	2378.4	2958.9	3701.6	4657.6	5859.8	7092.3
2.5°	869.9	1057.8	1290.7	1565.6	1934.2	2412.4	3002.7	3758.5	4747.0	5961.9	7196.2
0°	878.1	1065.4	1301.0	1576.9	1947.4	2428.8	3022.9	3782.1	4785.0	5985.3	7233.9
-2.5°	886.7	1075.8	1311.8	1594.4	1965.9	2451.1	3045.1	3798.9	4813.5	5991.8	7254.3
-5°	891.6	1081.4	1316.1	1602.9	1971.9	2455.3	3043.5	3783.0	4790.8	5944.8	7210.0
-7.5°	893.0	1082.0	1313.7	1601.2	1964.3	2436.3	3011.4	3735.7	4712.7	5849.6	7101.1
-10°	890.8	1077.2	1305.1	1586.7	1942.2	2396.8	2953.8	3653.9	4584.4	5692.5	6917.1
-12.5°	884.3	1067.2	1289.6	1563.0	1906.6	2340.5	2872.8	3537.3	4406.1	5474.1	6657.8
-15°	873.8	1052.1	1267.1	1530.1	1857.4	2268.1	2768.6	3385.9	4176.5	5196.5	6334.9
-17.5°	859.5	1032.2	1237.7	1488.2	1794.6	2180.2	2642.7	3208.6	3929.0	4886.6	5975.8
-20°	841.1	1007.4	1201.4	1437.4	1722.3	2087.6	2525.8	3051.7	3697.3	4531.7	5552.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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°	818.8	977.9	1162.9	1388.7	1658.1	1991.4	2395.2	2873.8	3437.5	4121.6	5089.7
-25°	795.9	949.6	1125.6	1334.6	1584.8	1882.5	2245.7	2681.7	3192.2	3818.4	4618.8
-27.5°	773.3	917.0	1082.4	1272.0	1502.6	1770.1	2105.1	2502.6	2957.6	3490.1	4141.9
-30°	747.8	880.7	1034.7	1206.5	1423.8	1672.2	1961.8	2302.3	2706.9	3188.1	3754.7
-32.5°	720.0	841.6	988.6	1149.9	1339.4	1565.6	1816.0	2124.1	2476.0	2872.9	3362.7
-35°	692.3	808.3	941.3	1088.8	1248.9	1460.6	1690.7	1946.3	2245.7	2597.2	2988.9
-37.5°	665.7	772.0	890.6	1028.2	1178.3	1354.1	1557.4	1788.2	2045.9	2325.6	2663.9
-40°	636.0	732.8	845.0	969.6	1102.4	1254.7	1438.1	1633.9	1855.7	2101.8	2363.2
-42.5°	603.7	696.8	799.2	906.5	1028.4	1164.5	1316.5	1495.6	1679.9	1886.1	2114.2
-45°	572.1	657.6	751.3	849.2	951.7	1072.0	1210.1	1359.2	1522.5	1690.7	1882.4
-47.5°	538.8	616.8	704.1	789.5	880.3	982.9	1100.0	1235.3	1371.6	1521.3	1669.9
-50°	505.5	578.7	652.0	731.7	813.1	898.4	997.5	1114.1	1238.2	1362.5	1493.2
-52.5°	475.6	539.0	605.2	673.6	747.7	823.7	906.2	1002.4	1110.8	1220.3	1333.0
-55°	445.2	503.6	558.3	619.5	683.6	752.0	825.6	906.5	988.4	1088.1	1185.1
-57.5°	415.4	467.2	514.8	567.0	624.0	682.1	748.4	817.1	891.5	966.9	1046.2
-60°	385.5	429.5	472.7	517.9	565.7	617.4	670.7	731.1	794.9	860.3	929.1
-62.5°	354.6	390.3	428.3	469.7	511.8	551.6	596.3	645.7	698.3	754.5	812.8
-65°	320.0	349.6	381.4	417.4	456.9	489.0	523.3	560.4	603.8	650.1	695.9
-67.5°	283.1	309.3	335.2	361.9	394.0	422.7	451.0	480.5	512.9	550.8	587.5
-70°	242.0	268.1	291.0	313.1	333.5	354.0	377.9	401.3	427.5	461.4	494.8
-72.5°	200.3	224.7	246.4	265.1	279.5	291.7	306.4	323.4	348.5	380.0	409.4
-75°	162.0	181.8	202.0	220.0	229.3	232.9	236.0	244.9	270.3	302.6	331.2
-77.5°	126.1	143.4	159.9	175.6	182.1	184.6	185.9	185.8	204.6	232.1	261.1
-80°	92.9	104.9	118.9	132.3	136.3	137.5	137.7	136.8	152.1	171.9	193.2
-82.5°	64.6	73.2	82.1	91.3	92.5	91.9	90.5	89.2	101.6	115.9	130.6
-85°	37.6	41.2	46.7	52.3	52.9	52.7	51.7	50.1	57.0	64.7	73.0
-87.5°	18.8	20.6	22.5	24.3	23.6	22.7	21.5	20.0	21.9	23.9	25.9
-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: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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°	1.6	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.0	1.6	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.0	1.6	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.0	1.7	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.0	1.7	1.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.2	0.5	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.9	1.0	1.0	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.1	2.0	1.5	1.0	0.5	0.4	0.5	0.4	0.2	0.0	0.0
62.5°	2.6	2.5	1.8	1.7	1.8	2.0	1.6	1.4	1.3	1.4	1.6
60°	11.4	6.5	6.6	8.4	7.2	3.3	6.6	8.3	7.8	5.9	5.2
57.5°	57.8	48.4	33.9	56.7	58.4	40.7	44.1	57.6	55.8	43.1	43.0
55°	145.7	147.8	158.7	173.0	183.6	188.5	192.8	214.5	237.6	260.2	271.6
52.5°	240.6	268.7	303.7	326.9	343.1	376.2	422.6	444.0	464.7	488.3	505.3
50°	354.3	403.2	438.4	443.5	498.7	534.5	542.9	582.9	626.5	653.6	673.1
47.5°	527.1	589.0	619.6	639.1	706.3	779.9	780.0	803.0	912.1	969.1	996.6
45°	759.2	810.8	864.9	1005.6	1135.0	1176.0	1263.9	1382.9	1460.2	1566.6	1683.7
42.5°	956.9	1053.7	1189.4	1344.3	1473.9	1581.9	1712.4	1855.5	2027.3	2188.9	2328.3
40°	1152.5	1272.4	1440.4	1608.9	1772.2	1921.8	2132.1	2316.1	2518.8	2741.1	2926.3
37.5°	1407.7	1561.2	1734.8	1947.3	2201.5	2367.5	2656.9	2921.2	3149.6	3418.0	3583.3
35°	1799.7	1999.8	2153.4	2583.0	2892.2	3086.4	3429.0	3863.4	4030.2	4368.2	4528.7
32.5°	2292.6	2558.4	2963.0	3531.8	3944.6	4302.2	4814.3	5255.1	5630.8	5970.3	6323.5
30°	2846.4	3256.6	3852.9	4608.7	5028.1	5528.9	6221.4	6744.0	7333.3	7980.1	8206.6
27.5°	3349.0	3963.3	4655.7	5267.9	5870.2	6493.9	7174.3	7845.8	8483.6	9021.8	9383.0
25°	3814.8	4558.8	5231.7	5885.9	6538.5	7241.0	8010.5	8772.1	9473.9	10027.7	10448.8
22.5°	4295.2	5081.2	5801.0	6464.9	7224.1	8020.1	8838.5	9712.0	10510.7	11085.2	11543.9
20°	4746.9	5621.1	6442.2	7198.1	7915.7	8834.6	9777.0	10703.5	11573.3	12257.7	12786.6
17.5°	5463.9	6222.8	7226.3	8208.3	9016.7	9860.8	11120.1	12076.4	13041.6	13861.2	14421.9
15°	6344.4	7178.9	8215.2	9563.7	10671.4	11638.6	12939.5	14495.2	15633.6	16679.9	17397.8
12.5°	7225.7	8169.6	9290.4	10808.0	12385.1	13524.3	15102.6	17073.9	18400.0	20019.9	20818.5
10°	7901.1	9086.4	10240.7	11625.6	13140.2	14762.4	16463.8	18308.1	20079.9	21470.9	22714.4
7.5°	8173.1	9435.6	10771.8	12184.8	13699.3	15373.5	17186.9	19105.9	20929.4	22483.2	23849.7
5°	8376.4	9669.9	11015.0	12459.8	14078.8	15827.2	17667.6	19682.4	21544.6	23209.8	24607.9
2.5°	8505.5	9811.3	11150.5	12619.5	14322.2	16122.4	18022.1	20090.2	21980.4	23694.7	25088.3
0°	8555.0	9841.9	11213.4	12725.8	14411.4	16215.9	18197.6	20290.0	22195.2	23852.6	25286.5
-2.5°	8561.7	9813.4	11217.5	12722.5	14335.4	16156.7	18162.4	20237.4	22103.8	23754.6	25201.2
-5°	8494.6	9745.7	11151.0	12633.3	14248.4	16056.1	17975.6	19980.7	21760.8	23367.3	24760.2
-7.5°	8358.3	9606.0	10980.2	12428.6	14000.2	15753.6	17597.2	19461.3	21207.5	22748.4	24077.7
-10°	8156.2	9377.6	10704.3	12115.4	13602.5	15270.3	17028.2	18809.3	20446.9	21871.8	23101.0
-12.5°	7882.4	9075.7	10342.6	11689.8	13073.9	14664.0	16323.8	17996.5	19489.1	20790.0	21892.8
-15°	7526.9	8692.3	9919.0	11193.1	12535.4	13973.3	15462.9	16997.1	18373.8	19527.4	20534.9
-17.5°	7108.1	8238.3	9403.4	10584.4	11858.0	13207.1	14589.9	15967.1	17141.2	18166.1	19087.4
-20°	6641.2	7730.2	8836.8	9937.8	11093.3	12341.0	13618.2	14827.9	15853.9	16785.1	17628.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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°	6117.7	7160.1	8220.8	9251.1	10293.1	11422.8	12563.4	13657.4	14617.1	15413.7	16146.3
-25°	5557.3	6520.4	7522.0	8488.1	9447.2	10459.5	11495.5	12502.1	13346.8	14038.4	14643.8
-27.5°	4992.6	5872.7	6755.2	7664.7	8551.2	9485.4	10423.3	11292.7	12051.0	12687.8	13196.5
-30°	4399.1	5185.9	5991.7	6814.6	7661.1	8516.0	9363.5	10124.7	10786.7	11346.8	11786.5
-32.5°	3905.8	4503.5	5215.0	5962.0	6755.5	7534.5	8271.6	8965.5	9589.2	10078.3	10451.2
-35°	3433.0	3939.2	4472.0	5133.2	5814.9	6531.8	7209.9	7829.1	8385.2	8812.5	9163.2
-37.5°	3026.5	3426.9	3877.5	4349.6	4921.1	5513.7	6125.7	6708.1	7203.9	7576.7	7890.0
-40°	2674.7	2990.8	3350.9	3725.1	4145.6	4571.3	5104.2	5595.7	6000.4	6348.9	6632.7
-42.5°	2356.7	2623.4	2889.3	3196.3	3513.6	3855.8	4229.8	4593.3	4903.9	5195.5	5436.6
-45°	2082.1	2295.2	2507.2	2744.2	2977.2	3255.5	3522.7	3761.1	4012.7	4231.0	4402.9
-47.5°	1842.1	2008.2	2189.9	2367.4	2554.4	2764.0	2962.8	3144.2	3328.6	3488.3	3616.3
-50°	1628.7	1766.4	1914.8	2054.2	2205.5	2358.8	2505.8	2650.1	2790.1	2911.6	3006.1
-52.5°	1442.0	1562.3	1677.8	1788.9	1909.2	2022.7	2129.2	2248.2	2357.7	2453.5	2518.1
-55°	1283.0	1381.2	1475.9	1568.6	1659.6	1745.6	1830.5	1923.0	2007.5	2083.6	2131.7
-57.5°	1133.6	1217.3	1297.5	1373.2	1445.3	1513.7	1585.2	1656.3	1721.4	1778.8	1816.0
-60°	997.8	1066.1	1135.5	1197.3	1255.5	1310.1	1370.3	1427.2	1479.8	1523.9	1549.7
-62.5°	873.3	934.6	985.8	1034.7	1084.2	1133.5	1176.2	1218.2	1258.8	1293.0	1315.4
-65°	743.3	795.2	838.8	878.0	913.5	951.6	988.1	1021.0	1050.3	1072.6	1086.8
-67.5°	626.8	665.0	700.0	731.2	762.8	793.3	821.4	846.4	868.4	884.0	894.2
-70°	525.7	554.8	583.4	611.8	640.0	663.8	684.1	702.8	719.8	726.8	730.0
-72.5°	436.9	462.8	487.9	512.9	536.3	554.9	569.9	583.6	595.9	585.3	566.7
-75°	356.2	379.0	402.5	424.6	445.3	459.5	470.6	480.8	490.1	467.1	435.4
-77.5°	290.3	310.4	327.7	345.0	362.0	371.1	378.1	385.0	391.6	365.9	333.4
-80°	215.4	231.5	246.3	260.8	275.0	280.4	283.5	285.7	286.8	264.8	239.4
-82.5°	145.5	153.9	162.0	170.4	179.0	183.6	187.0	189.6	191.5	175.9	158.3
-85°	81.6	84.1	86.1	87.7	89.1	92.0	94.7	97.2	99.5	92.1	83.9
-87.5°	28.0	28.0	27.9	27.7	27.4	27.4	27.4	27.4	27.2	26.1	24.8
-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: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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	0.2	0.4
62.5°	1.8	1.9	2.0	2.0	2.0	1.9	1.8	1.6	1.4	1.3	1.4
60°	4.0	2.4	2.0	2.0	2.0	2.4	4.0	5.2	5.9	7.8	8.3
57.5°	40.0	34.9	31.3	28.2	31.3	34.9	40.0	43.0	43.1	55.8	57.6
55°	266.7	248.3	225.9	199.4	225.9	248.3	266.7	271.6	260.2	237.6	214.5
52.5°	523.2	540.6	550.7	549.8	550.7	540.6	523.2	505.3	488.3	464.7	444.0
50°	688.7	698.2	698.7	690.8	698.7	698.2	688.7	673.1	653.6	626.5	582.9
47.5°	1009.0	995.8	973.1	948.5	973.1	995.8	1009.0	996.6	969.1	912.1	803.0
45°	1760.7	1803.1	1800.4	1746.0	1800.4	1803.1	1760.7	1683.7	1566.6	1460.2	1382.9
42.5°	2406.2	2469.7	2514.7	2537.5	2514.7	2469.7	2406.2	2328.3	2188.9	2027.3	1855.5
40°	3030.7	3092.1	3119.1	3117.5	3119.1	3092.1	3030.7	2926.3	2741.1	2518.8	2316.1
37.5°	3690.6	3770.0	3808.5	3790.2	3808.5	3770.0	3690.6	3583.3	3418.0	3149.6	2921.2
35°	4598.1	4672.4	4673.8	4636.0	4673.8	4672.4	4598.1	4528.7	4368.2	4030.2	3863.4
32.5°	6603.8	6628.7	6437.7	6370.0	6437.7	6628.7	6603.8	6323.5	5970.3	5630.8	5255.1
30°	8432.1	8608.4	8772.3	8855.1	8772.3	8608.4	8432.1	8206.6	7980.1	7333.3	6744.0
27.5°	9655.3	9867.3	9998.7	10007.1	9998.7	9867.3	9655.3	9383.0	9021.8	8483.6	7845.8
25°	10767.8	11004.9	11148.2	11197.3	11148.2	11004.9	10767.8	10448.8	10027.7	9473.9	8772.1
22.5°	11933.3	12212.8	12397.9	12435.8	12397.9	12212.8	11933.3	11543.9	11085.2	10510.7	9712.0
20°	13285.5	13610.8	13788.3	13781.1	13788.3	13610.8	13285.5	12786.6	12257.7	11573.3	10703.5
17.5°	15065.8	15414.7	15568.0	15501.0	15568.0	15414.7	15065.8	14421.9	13861.2	13041.6	12076.4
15°	18134.5	18864.3	18861.4	18570.1	18861.4	18864.3	18134.5	17397.8	16679.9	15633.6	14495.2
12.5°	21919.8	22463.7	23021.7	23141.7	23021.7	22463.7	21919.8	20818.5	20019.9	18400.0	17073.9
10°	23761.7	24484.0	24960.7	24948.2	24960.7	24484.0	23761.7	22714.4	21470.9	20079.9	18308.1
7.5°	24914.1	25712.0	26289.7	26277.3	26289.7	25712.0	24914.1	23849.7	22483.2	20929.4	19105.9
5°	25803.3	26688.4	27200.1	27238.0	27200.1	26688.4	25803.3	24607.9	23209.8	21544.6	19682.4
2.5°	26265.4	27189.1	27804.3	27723.3	27804.3	27189.1	26265.4	25088.3	23694.7	21980.4	20090.2
0°	26458.6	27372.9	27946.9	28194.6	27946.9	27372.9	26458.6	25286.5	23852.6	22195.2	20290.0
-2.5°	26374.2	27263.9	27898.1	27922.7	27898.1	27263.9	26374.2	25201.2	23754.6	22103.8	20237.4
-5°	25922.3	26861.1	27286.1	27511.8	27286.1	26861.1	25922.3	24760.2	23367.3	21760.8	19980.7
-7.5°	25193.6	25897.1	26436.9	26686.2	26436.9	25897.1	25193.6	24077.7	22748.4	21207.5	19461.3
-10°	24059.3	24787.7	25243.9	25449.6	25243.9	24787.7	24059.3	23101.0	21871.8	20446.9	18809.3
-12.5°	22802.9	23464.8	23898.5	24072.1	23898.5	23464.8	22802.9	21892.8	20790.0	19489.1	17996.5
-15°	21401.0	22002.0	22401.2	22567.7	22401.2	22002.0	21401.0	20534.9	19527.4	18373.8	16997.1
-17.5°	19857.9	20384.6	20782.3	20902.2	20782.3	20384.6	19857.9	19087.4	18166.1	17141.2	15967.1
-20°	18271.1	18747.2	19074.8	19146.1	19074.8	18747.2	18271.1	17628.2	16785.1	15853.9	14827.9



REPORT NUMBER: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-750-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°	16672.3	17064.5	17330.6	17420.2	17330.6	17064.5	16672.3	16146.3	15413.7	14617.1	13657.4
-25°	15109.8	15448.3	15662.5	15742.6	15662.5	15448.3	15109.8	14643.8	14038.4	13346.8	12502.1
-27.5°	13607.0	13922.6	14119.3	14145.6	14119.3	13922.6	13607.0	13196.5	12687.8	12051.0	11292.7
-30°	12128.4	12389.1	12540.7	12605.0	12540.7	12389.1	12128.4	11786.5	11346.8	10786.7	10124.7
-32.5°	10746.5	10974.3	11110.5	11146.9	11110.5	10974.3	10746.5	10451.2	10078.3	9589.2	8965.5
-35°	9442.1	9652.3	9773.1	9763.4	9773.1	9652.3	9442.1	9163.2	8812.5	8385.2	7829.1
-37.5°	8148.9	8342.9	8452.5	8442.3	8452.5	8342.9	8148.9	7890.0	7576.7	7203.9	6708.1
-40°	6866.1	7033.4	7129.9	7153.4	7129.9	7033.4	6866.1	6632.7	6348.9	6000.4	5595.7
-42.5°	5637.0	5791.5	5868.7	5838.3	5868.7	5791.5	5637.0	5436.6	5195.5	4903.9	4593.3
-45°	4523.1	4603.0	4655.6	4688.4	4655.6	4603.0	4523.1	4402.9	4231.0	4012.7	3761.1
-47.5°	3710.1	3776.3	3812.1	3818.3	3812.1	3776.3	3710.1	3616.3	3488.3	3328.6	3144.2
-50°	3079.6	3136.0	3160.9	3153.8	3160.9	3136.0	3079.6	3006.1	2911.6	2790.1	2650.1
-52.5°	2564.7	2597.4	2619.4	2630.1	2619.4	2597.4	2564.7	2518.1	2453.5	2357.7	2248.2
-55°	2168.0	2193.4	2208.3	2213.3	2208.3	2193.4	2168.0	2131.7	2083.6	2007.5	1923.0
-57.5°	1847.1	1871.3	1880.1	1877.0	1880.1	1871.3	1847.1	1816.0	1778.8	1721.4	1656.3
-60°	1569.5	1583.3	1593.7	1599.0	1593.7	1583.3	1569.5	1549.7	1523.9	1479.8	1427.2
-62.5°	1333.3	1346.3	1357.1	1363.4	1357.1	1346.3	1333.3	1315.4	1293.0	1258.8	1218.2
-65°	1096.7	1102.5	1104.1	1101.6	1104.1	1102.5	1096.7	1086.8	1072.6	1050.3	1021.0
-67.5°	901.7	906.5	909.8	910.3	909.8	906.5	901.7	894.2	884.0	868.4	846.4
-70°	733.0	735.0	732.7	727.0	732.7	735.0	733.0	730.0	726.8	719.8	702.8
-72.5°	547.6	527.6	507.5	485.3	507.5	527.6	547.6	566.7	585.3	595.9	583.6
-75°	402.5	368.6	356.3	344.4	356.3	368.6	402.5	435.4	467.1	490.1	480.8
-77.5°	299.4	264.1	254.6	245.7	254.6	264.1	299.4	333.4	365.9	391.6	385.0
-80°	212.8	185.2	179.1	173.2	179.1	185.2	212.8	239.4	264.8	286.8	285.7
-82.5°	139.8	120.5	116.7	112.8	116.7	120.5	139.8	158.3	175.9	191.5	189.6
-85°	75.3	66.2	64.4	62.4	64.4	66.2	75.3	83.9	92.1	99.5	97.2
-87.5°	23.5	22.1	22.2	22.2	22.2	22.1	23.5	24.8	26.1	27.2	27.4
-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: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.4	0.9	1.3	1.6	1.6	1.5	1.5	1.4
85°	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0
80°	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.0	2.0	2.0	2.0
77.5°	0.0	0.0	0.1	0.6	1.1	1.6	2.0	2.0	2.0	2.0	2.0
75°	0.0	0.0	0.2	0.7	1.2	1.7	2.0	2.0	2.0	2.0	2.0
72.5°	0.0	0.0	0.1	0.6	1.2	1.7	2.0	2.0	2.0	2.0	2.0
70°	0.0	0.0	0.1	0.1	0.1	0.5	1.2	1.7	2.0	2.0	2.0
67.5°	0.0	0.0	0.4	0.8	1.0	1.0	0.9	1.0	1.5	2.0	2.0
65°	0.5	0.4	0.5	1.0	1.5	2.0	2.1	1.8	1.8	2.1	2.0
62.5°	1.6	2.0	1.8	1.7	1.8	2.5	2.6	2.7	2.5	3.1	4.6
60°	6.6	3.3	7.2	8.4	6.6	6.5	11.4	10.7	4.1	15.0	18.3
57.5°	44.1	40.7	58.4	56.7	33.9	48.4	57.8	38.8	27.0	42.9	51.7
55°	192.8	188.5	183.6	173.0	158.7	147.8	145.7	145.4	115.4	83.8	95.0
52.5°	422.6	376.2	343.1	326.9	303.7	268.7	240.6	235.0	227.9	188.7	155.9
50°	542.9	534.5	498.7	443.5	438.4	403.2	354.3	320.6	316.2	289.3	239.6
47.5°	780.0	779.9	706.3	639.1	619.6	589.0	527.1	436.0	427.7	404.8	349.4
45°	1263.9	1176.0	1135.0	1005.6	864.9	810.8	759.2	649.6	560.1	524.9	486.0
42.5°	1712.4	1581.9	1473.9	1344.3	1189.4	1053.7	956.9	836.5	728.4	653.5	597.7
40°	2132.1	1921.8	1772.2	1608.9	1440.4	1272.4	1152.5	1001.2	877.9	777.5	718.5
37.5°	2656.9	2367.5	2201.5	1947.3	1734.8	1561.2	1407.7	1215.2	1017.1	935.3	862.1
35°	3429.0	3086.4	2892.2	2583.0	2153.4	1999.8	1799.7	1511.4	1260.8	1120.8	1030.3
32.5°	4814.3	4302.2	3944.6	3531.8	2963.0	2558.4	2292.6	1971.9	1570.4	1369.0	1218.9
30°	6221.4	5528.9	5028.1	4608.7	3852.9	3256.6	2846.4	2392.4	1959.7	1632.6	1428.8
27.5°	7174.3	6493.9	5870.2	5267.9	4655.7	3963.3	3349.0	2766.0	2293.0	1927.2	1663.9
25°	8010.5	7241.0	6538.5	5885.9	5231.7	4558.8	3814.8	3159.7	2604.3	2185.9	1842.3
22.5°	8838.5	8020.1	7224.1	6464.9	5801.0	5081.2	4295.2	3541.5	2903.2	2469.7	2056.8
20°	9777.0	8834.6	7915.7	7198.1	6442.2	5621.1	4746.9	4028.3	3402.9	2809.1	2291.6
17.5°	11120.1	9860.8	9016.7	8208.3	7226.3	6222.8	5463.9	4710.5	3940.4	3167.6	2537.8
15°	12939.5	11638.6	10671.4	9563.7	8215.2	7178.9	6344.4	5429.6	4517.4	3591.9	2830.9
12.5°	15102.6	13524.3	12385.1	10808.0	9290.4	8169.6	7225.7	6201.8	5081.1	3975.5	3103.5
10°	16463.8	14762.4	13140.2	11625.6	10240.7	9086.4	7901.1	6650.7	5404.4	4264.9	3339.4
7.5°	17186.9	15373.5	13699.3	12184.8	10771.8	9435.6	8173.1	6914.0	5664.3	4491.0	3538.7
5°	17667.6	15827.2	14078.8	12459.8	11015.0	9669.9	8376.4	7092.3	5859.8	4657.6	3701.6
2.5°	18022.1	16122.4	14322.2	12619.5	11150.5	9811.3	8505.5	7196.2	5961.9	4747.0	3758.5
0°	18197.6	16215.9	14411.4	12725.8	11213.4	9841.9	8555.0	7233.9	5985.3	4785.0	3782.1
-2.5°	18162.4	16156.7	14335.4	12722.5	11217.5	9813.4	8561.7	7254.3	5991.8	4813.5	3798.9
-5°	17975.6	16056.1	14248.4	12633.3	11151.0	9745.7	8494.6	7210.0	5944.8	4790.8	3783.0
-7.5°	17597.2	15753.6	14000.2	12428.6	10980.2	9606.0	8358.3	7101.1	5849.6	4712.7	3735.7
-10°	17028.2	15270.3	13602.5	12115.4	10704.3	9377.6	8156.2	6917.1	5692.5	4584.4	3653.9
-12.5°	16323.8	14664.0	13073.9	11689.8	10342.6	9075.7	7882.4	6657.8	5474.1	4406.1	3537.3
-15°	15462.9	13973.3	12535.4	11193.1	9919.0	8692.3	7526.9	6334.9	5196.5	4176.5	3385.9
-17.5°	14589.9	13207.1	11858.0	10584.4	9403.4	8238.3	7108.1	5975.8	4886.6	3929.0	3208.6
-20°	13618.2	12341.0	11093.3	9937.8	8836.8	7730.2	6641.2	5552.2	4531.7	3697.3	3051.7



REPORT NUMBER: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-750-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°	12563.4	11422.8	10293.1	9251.1	8220.8	7160.1	6117.7	5089.7	4121.6	3437.5	2873.8
-25°	11495.5	10459.5	9447.2	8488.1	7522.0	6520.4	5557.3	4618.8	3818.4	3192.2	2681.7
-27.5°	10423.3	9485.4	8551.2	7664.7	6755.2	5872.7	4992.6	4141.9	3490.1	2957.6	2502.6
-30°	9363.5	8516.0	7661.1	6814.6	5991.7	5185.9	4399.1	3754.7	3188.1	2706.9	2302.3
-32.5°	8271.6	7534.5	6755.5	5962.0	5215.0	4503.5	3905.8	3362.7	2872.9	2476.0	2124.1
-35°	7209.9	6531.8	5814.9	5133.2	4472.0	3939.2	3433.0	2988.9	2597.2	2245.7	1946.3
-37.5°	6125.7	5513.7	4921.1	4349.6	3877.5	3426.9	3026.5	2663.9	2325.6	2045.9	1788.2
-40°	5104.2	4571.3	4145.6	3725.1	3350.9	2990.8	2674.7	2363.2	2101.8	1855.7	1633.9
-42.5°	4229.8	3855.8	3513.6	3196.3	2889.3	2623.4	2356.7	2114.2	1886.1	1679.9	1495.6
-45°	3522.7	3255.5	2977.2	2744.2	2507.2	2295.2	2082.1	1882.4	1690.7	1522.5	1359.2
-47.5°	2962.8	2764.0	2554.4	2367.4	2189.9	2008.2	1842.1	1669.9	1521.3	1371.6	1235.3
-50°	2505.8	2358.8	2205.5	2054.2	1914.8	1766.4	1628.7	1493.2	1362.5	1238.2	1114.1
-52.5°	2129.2	2022.7	1909.2	1788.9	1677.8	1562.3	1442.0	1333.0	1220.3	1110.8	1002.4
-55°	1830.5	1745.6	1659.6	1568.6	1475.9	1381.2	1283.0	1185.1	1088.1	988.4	906.5
-57.5°	1585.2	1513.7	1445.3	1373.2	1297.5	1217.3	1133.6	1046.2	966.9	891.5	817.1
-60°	1370.3	1310.1	1255.5	1197.3	1135.5	1066.1	997.8	929.1	860.3	794.9	731.1
-62.5°	1176.2	1133.5	1084.2	1034.7	985.8	934.6	873.3	812.8	754.5	698.3	645.7
-65°	988.1	951.6	913.5	878.0	838.8	795.2	743.3	695.9	650.1	603.8	560.4
-67.5°	821.4	793.3	762.8	731.2	700.0	665.0	626.8	587.5	550.8	512.9	480.5
-70°	684.1	663.8	640.0	611.8	583.4	554.8	525.7	494.8	461.4	427.5	401.3
-72.5°	569.9	554.9	536.3	512.9	487.9	462.8	436.9	409.4	380.0	348.5	323.4
-75°	470.6	459.5	445.3	424.6	402.5	379.0	356.2	331.2	302.6	270.3	244.9
-77.5°	378.1	371.1	362.0	345.0	327.7	310.4	290.3	261.1	232.1	204.6	185.8
-80°	283.5	280.4	275.0	260.8	246.3	231.5	215.4	193.2	171.9	152.1	136.8
-82.5°	187.0	183.6	179.0	170.4	162.0	153.9	145.5	130.6	115.9	101.6	89.2
-85°	94.7	92.0	89.1	87.7	86.1	84.1	81.6	73.0	64.7	57.0	50.1
-87.5°	27.4	27.4	27.4	27.7	27.9	28.0	28.0	25.9	23.9	21.9	20.0
-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: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.5	1.4	1.2
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.5	2.6	2.0	2.0
65°	2.0	2.0	2.1	3.0	2.8	2.0	2.0	3.9	3.3	2.9	2.0
62.5°	3.9	2.0	5.2	7.0	4.5	3.6	2.9	8.4	5.4	3.8	2.7
60°	9.1	7.4	14.0	21.5	15.5	6.1	8.8	14.4	13.3	4.8	3.8
57.5°	46.6	21.3	31.4	40.9	39.0	22.0	17.8	24.7	22.4	13.1	5.2
55°	96.7	82.3	65.4	65.0	65.8	52.1	37.1	38.3	33.9	24.0	7.6
52.5°	147.0	142.5	126.8	103.3	94.8	85.7	70.1	54.3	50.3	35.9	18.9
50°	209.6	198.1	185.7	161.6	131.0	119.0	102.9	82.8	68.5	50.2	31.3
47.5°	281.1	261.2	242.5	219.2	185.7	154.1	136.1	112.3	88.5	69.0	43.8
45°	392.7	327.9	302.7	275.7	241.3	201.8	170.7	141.4	114.6	87.8	56.4
42.5°	507.4	417.3	364.4	334.0	297.9	253.4	206.7	173.8	140.4	106.6	71.3
40°	622.9	511.2	431.2	393.2	356.5	304.9	252.5	207.6	165.6	126.1	87.6
37.5°	747.6	616.4	508.1	454.8	416.1	360.4	299.1	242.1	191.5	147.3	103.7
35°	902.8	741.2	591.8	525.9	474.1	417.0	345.1	279.7	222.4	168.5	119.5
32.5°	1077.4	878.9	711.9	603.5	532.9	474.5	394.2	321.9	254.2	189.7	135.1
30°	1250.9	1020.6	825.8	680.4	595.6	528.5	446.5	364.5	286.6	210.9	150.9
27.5°	1383.5	1142.9	932.4	772.8	664.8	582.1	498.7	407.3	319.6	234.2	168.2
25°	1518.8	1256.1	1035.8	863.2	732.7	636.9	548.8	450.0	354.7	261.1	185.1
22.5°	1676.9	1363.7	1123.1	944.9	804.7	692.5	596.6	493.4	390.2	287.7	201.6
20°	1831.6	1462.8	1203.4	1040.2	883.3	754.5	643.5	534.7	425.0	313.9	217.5
17.5°	1990.1	1602.1	1336.6	1138.9	964.5	815.8	689.8	573.8	458.7	339.4	232.8
15°	2229.0	1788.4	1471.0	1236.4	1043.0	875.9	735.1	610.7	491.2	364.0	246.4
12.5°	2454.2	1963.7	1601.3	1331.6	1118.4	934.2	779.1	645.3	522.3	384.4	257.8
10°	2653.2	2126.8	1726.2	1423.5	1189.9	990.1	821.3	672.4	540.6	400.7	267.9
7.5°	2826.4	2276.5	1843.9	1510.9	1251.0	1028.0	842.8	686.6	554.6	415.0	276.9
5°	2958.9	2378.4	1908.7	1545.9	1274.0	1045.3	858.1	698.1	565.7	427.3	284.5
2.5°	3002.7	2412.4	1934.2	1565.6	1290.7	1057.8	869.9	706.9	574.2	437.3	290.9
0°	3022.9	2428.8	1947.4	1576.9	1301.0	1065.4	878.1	712.9	580.0	445.1	296.0
-2.5°	3045.1	2451.1	1965.9	1594.4	1311.8	1075.8	886.7	722.3	588.4	453.8	304.5
-5°	3043.5	2455.3	1971.9	1602.9	1316.1	1081.4	891.6	729.0	594.4	460.1	311.7
-7.5°	3011.4	2436.3	1964.3	1601.2	1313.7	1082.0	893.0	733.0	598.1	464.2	317.3
-10°	2953.8	2396.8	1942.2	1586.7	1305.1	1077.2	890.8	734.2	599.6	465.9	321.3
-12.5°	2872.8	2340.5	1906.6	1563.0	1289.6	1067.2	884.3	730.8	598.7	465.3	323.5
-15°	2768.6	2268.1	1857.4	1530.1	1267.1	1052.1	873.8	723.7	593.5	461.9	324.0
-17.5°	2642.7	2180.2	1794.6	1488.2	1237.7	1032.2	859.5	713.9	586.4	456.0	323.4
-20°	2525.8	2087.6	1722.3	1437.4	1201.4	1007.4	841.1	701.4	577.5	448.5	321.9



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CATALOG NUMBER: GFLD-SA4D-750-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°	2395.2	1991.4	1658.1	1388.7	1162.9	977.9	818.8	686.2	567.0	439.7	319.0
-25°	2245.7	1882.5	1584.8	1334.6	1125.6	949.6	795.9	668.3	555.0	429.6	314.7
-27.5°	2105.1	1770.1	1502.6	1272.0	1082.4	917.0	773.3	651.8	541.0	418.4	309.1
-30°	1961.8	1672.2	1423.8	1206.5	1034.7	880.7	747.8	634.1	525.3	408.5	302.3
-32.5°	1816.0	1565.6	1339.4	1149.9	988.6	841.6	720.0	615.0	508.9	398.8	296.6
-35°	1690.7	1460.6	1248.9	1088.8	941.3	808.3	692.3	594.9	491.9	387.7	290.4
-37.5°	1557.4	1354.1	1178.3	1028.2	890.6	772.0	665.7	571.1	474.5	375.4	282.9
-40°	1438.1	1254.7	1102.4	969.6	845.0	732.8	636.0	545.8	458.3	361.8	274.2
-42.5°	1316.5	1164.5	1028.4	906.5	799.2	696.8	603.7	518.8	437.2	349.3	264.2
-45°	1210.1	1072.0	951.7	849.2	751.3	657.6	572.1	490.7	414.6	336.4	253.8
-47.5°	1100.0	982.9	880.3	789.5	704.1	616.8	538.8	464.7	391.2	321.9	243.1
-50°	997.5	898.4	813.1	731.7	652.0	578.7	505.5	438.0	369.9	303.0	231.1
-52.5°	906.2	823.7	747.7	673.6	605.2	539.0	475.6	410.8	347.7	284.2	217.9
-55°	825.6	752.0	683.6	619.5	558.3	503.6	445.2	385.1	324.5	264.8	203.7
-57.5°	748.4	682.1	624.0	567.0	514.8	467.2	415.4	358.6	301.1	244.4	191.1
-60°	670.7	617.4	565.7	517.9	472.7	429.5	385.5	331.2	276.9	223.4	175.8
-62.5°	596.3	551.6	511.8	469.7	428.3	390.3	354.6	303.0	251.7	202.7	158.9
-65°	523.3	489.0	456.9	417.4	381.4	349.6	320.0	273.7	225.2	180.7	141.2
-67.5°	451.0	422.7	394.0	361.9	335.2	309.3	283.1	241.2	197.1	157.4	123.4
-70°	377.9	354.0	333.5	313.1	291.0	268.1	242.0	206.3	167.7	135.3	104.9
-72.5°	306.4	291.7	279.5	265.1	246.4	224.7	200.3	171.1	141.1	112.7	85.9
-75°	236.0	232.9	229.3	220.0	202.0	181.8	162.0	139.6	113.8	89.4	70.0
-77.5°	185.9	184.6	182.1	175.6	159.9	143.4	126.1	107.4	87.8	71.0	55.0
-80°	137.7	137.5	136.3	132.3	118.9	104.9	92.9	80.9	66.5	52.8	39.7
-82.5°	90.5	91.9	92.5	91.3	82.1	73.2	64.6	56.0	44.9	34.3	26.6
-85°	51.7	52.7	52.9	52.3	46.7	41.2	37.6	33.9	28.0	22.7	17.8
-87.5°	21.5	22.7	23.6	24.3	22.5	20.6	18.8	17.0	14.1	11.4	8.9
-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: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-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°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
85°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
82.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
80°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
77.5°	2.0	2.0	1.7	1.3	0.9	0.4	0.0
75°	2.0	2.0	2.0	1.5	1.0	0.5	0.0
72.5°	2.0	2.0	2.0	1.8	1.2	0.6	0.0
70°	2.0	2.0	2.0	2.0	1.4	0.7	0.0
67.5°	2.2	2.0	2.0	2.0	1.5	0.8	0.0
65°	2.4	2.2	2.0	2.0	1.7	0.8	0.0
62.5°	2.7	2.7	2.0	2.0	1.8	0.9	0.0
60°	3.2	3.2	2.0	2.0	2.0	1.0	0.0
57.5°	5.4	3.8	2.6	2.0	2.0	1.1	0.0
55°	8.3	4.4	3.2	2.0	2.1	1.1	0.0
52.5°	11.6	5.6	3.8	2.0	2.1	1.2	0.0
50°	15.4	9.1	4.5	2.0	2.1	1.3	0.0
47.5°	20.5	12.8	5.2	2.1	2.2	1.4	0.0
45°	31.4	16.8	6.0	2.7	2.2	1.4	0.0
42.5°	42.2	20.9	6.7	3.3	2.3	1.5	0.0
40°	53.1	25.4	8.8	4.0	2.4	1.5	0.0
37.5°	63.8	30.0	12.3	4.9	2.5	1.6	0.0
35°	74.4	37.2	15.8	5.8	2.5	1.6	0.0
32.5°	85.6	45.7	19.3	6.8	2.6	1.7	0.0
30°	98.3	53.8	22.8	7.9	2.7	1.7	0.0
27.5°	110.5	61.8	26.9	9.1	2.8	1.8	0.0
25°	122.2	69.5	30.9	10.3	2.9	1.8	0.0
22.5°	133.5	76.9	34.9	11.5	3.0	1.8	0.0
20°	144.3	84.1	38.7	12.8	3.2	1.9	0.0
17.5°	154.2	91.0	42.4	14.0	3.3	1.9	0.0
15°	163.4	97.3	45.9	15.3	3.4	1.9	0.0
12.5°	171.7	103.3	49.2	16.6	3.5	2.0	0.0
10°	179.3	108.7	52.4	17.8	3.6	2.0	0.0
7.5°	186.1	113.6	55.3	19.0	3.7	2.0	0.0
5°	192.1	117.9	57.9	20.2	3.8	2.0	0.0
2.5°	197.2	121.7	60.3	21.2	3.9	2.0	0.0
0°	201.4	124.9	62.4	22.2	4.0	2.0	0.0
-2.5°	206.9	128.8	65.3	23.6	4.6	2.1	0.0
-5°	211.4	132.1	67.8	24.9	5.2	2.3	0.0
-7.5°	215.0	134.8	69.9	26.0	5.8	2.4	0.0
-10°	217.6	136.8	71.7	27.1	6.4	2.5	0.0
-12.5°	219.1	138.1	73.0	27.9	6.9	2.6	0.0
-15°	219.5	138.7	73.9	28.6	7.4	2.7	0.0
-17.5°	218.9	138.7	74.3	29.2	7.8	2.8	0.0
-20°	218.3	137.9	74.2	29.5	8.3	2.9	0.0

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REPORT NUMBER: P627482 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-750-U-WR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	218.4	136.4	73.6	29.7	8.6	2.9	0.0
-25°	217.4	135.9	72.5	29.7	9.0	3.0	0.0
-27.5°	215.3	135.3	70.8	29.5	9.2	3.0	0.0
-30°	212.2	133.9	68.8	29.1	9.5	3.1	0.0
-32.5°	207.9	131.6	67.9	28.4	9.6	3.1	0.0
-35°	203.8	128.4	66.5	27.6	9.7	3.1	0.0
-37.5°	199.2	125.0	64.5	26.6	9.7	3.1	0.0
-40°	193.5	121.9	61.9	25.3	9.7	3.0	0.0
-42.5°	186.6	118.1	60.1	24.1	9.6	3.0	0.0
-45°	178.7	113.5	58.9	23.2	9.5	2.9	0.0
-47.5°	169.7	108.1	57.1	21.9	9.3	2.9	0.0
-50°	161.8	102.0	54.7	21.6	9.0	2.8	0.0
-52.5°	153.3	95.1	51.7	21.3	8.7	2.7	0.0
-55°	143.8	89.5	48.1	20.7	8.3	2.6	0.0
-57.5°	133.4	83.5	44.0	19.9	7.8	2.5	0.0
-60°	122.4	76.6	39.4	18.8	7.3	2.3	0.0
-62.5°	111.7	68.8	36.7	17.5	6.8	2.2	0.0
-65°	99.9	60.4	33.6	15.9	6.4	2.0	0.0
-67.5°	87.1	52.9	30.0	14.2	5.8	1.8	0.0
-70°	73.4	46.4	26.1	12.2	5.3	1.7	0.0
-72.5°	62.4	39.4	21.9	10.8	4.7	1.5	0.0
-75°	51.2	31.9	17.4	9.4	4.1	1.3	0.0
-77.5°	39.5	24.0	14.4	8.0	3.4	1.1	0.0
-80°	27.3	18.4	11.7	6.5	2.8	0.9	0.0
-82.5°	20.1	13.9	8.8	4.9	2.1	0.7	0.0
-85°	13.5	9.3	5.9	3.3	1.4	0.4	0.0
-87.5°	6.8	4.7	3.0	1.6	0.7	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)