

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: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-750-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627780 (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-SA5E-750-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32647.1 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 6H x 6V  
Max Intensity: 24463.3 candela  
Max Intensity Angle: -2.5°H x -2.5°V

Beam Angle (50%): 63.9°H x 69.6°V  
Beam Lumens: 18888.5 lumens  
Beam Efficiency: 57.9%

Field Angle (10%): 112.5°H x 117.1°V  
Field Lumens: 30980 lumens  
Field Efficiency: 94.9%

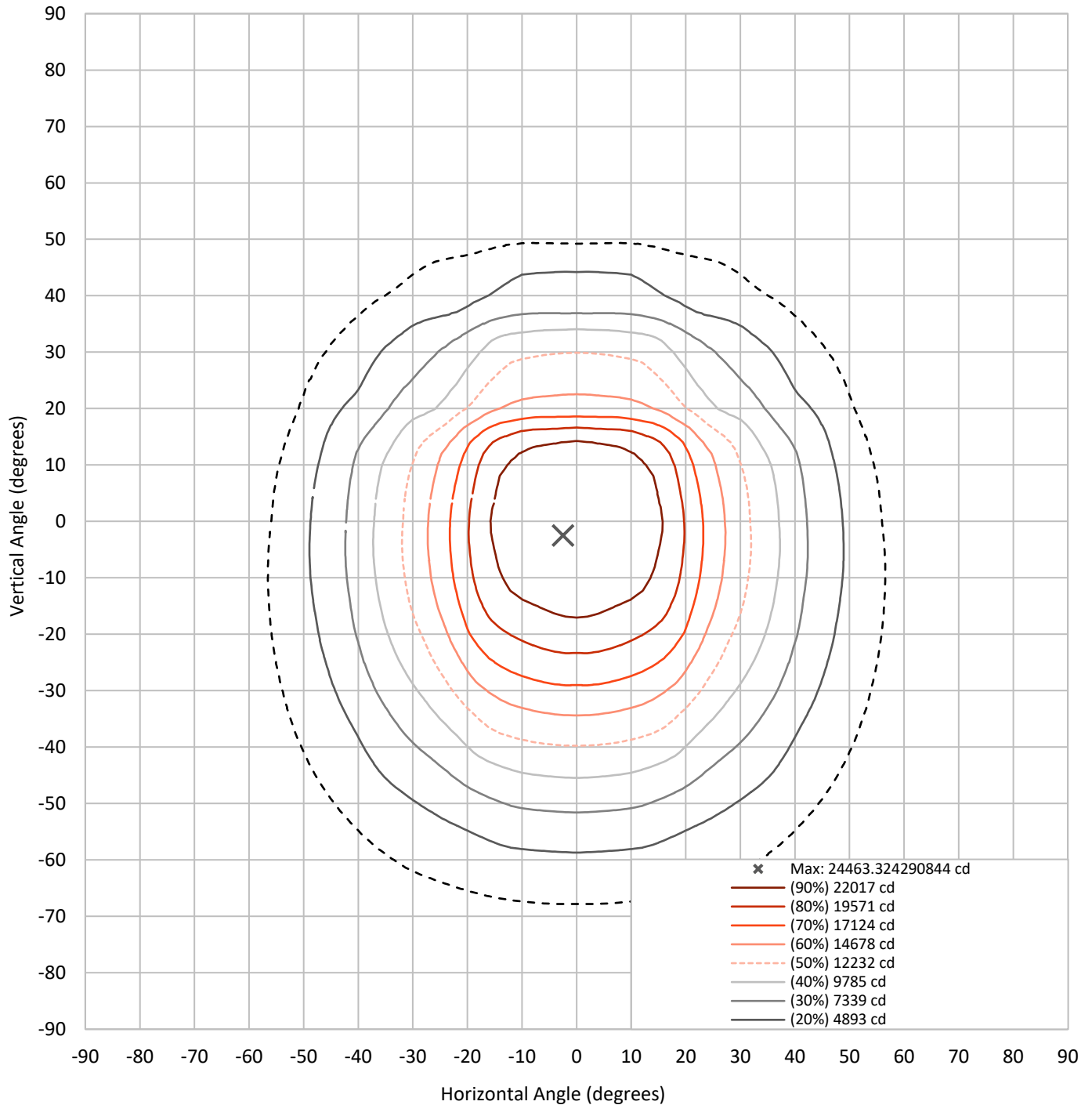
Input Watts (W): 313.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: GFLD-SA5E-750-U-VWR-VSR-XX

### Iso-Candela Plot





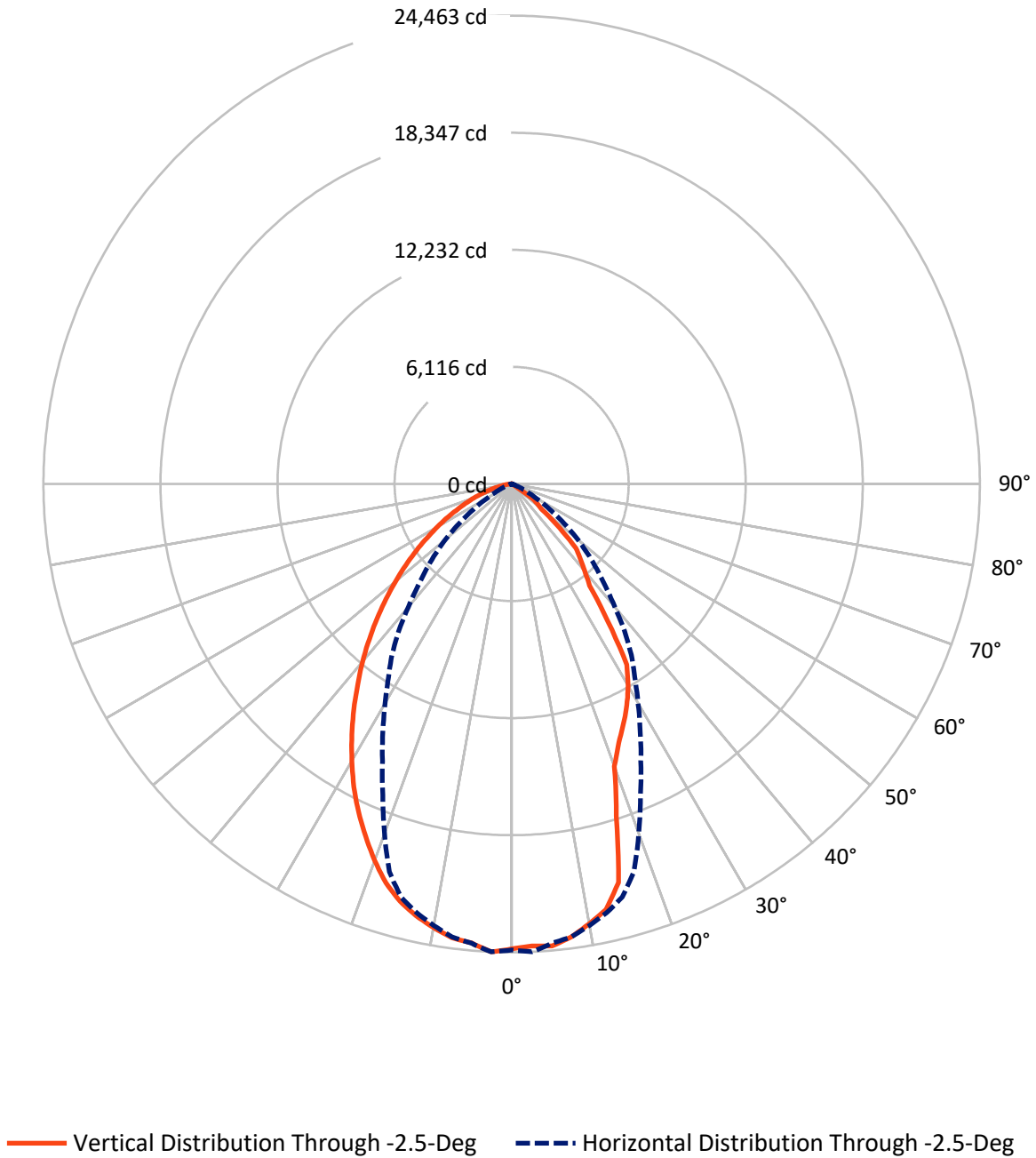
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### Lumen Table

90																			
80	0.1	0.2		0.2		0.4		0.4		0.4		0.2		0.2		0.1			
70																			
60	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.2			
50		0.3	0.6	3.0	8.9	17.2	25.4	31.7	31.7	25.4	17.2	8.9	3.0	0.6	0.3				
40	0.5	0.6	3.6	16.7	40.5	72.9	107.6	131.8	131.8	107.6	72.9	40.5	16.7	3.6	0.6	0.5			
30		1.6	12.1	42.4	94.6	153.4	230.0	268.9	268.9	230.0	153.4	94.6	42.4	12.1	1.6				
20	1.0	3.6	23.5	75.1	152.5	241.7	362.6	416.7	416.7	362.6	241.7	152.5	75.1	23.5	3.6	1.0			
10		6.2	36.1	111.2	219.6	361.4	538.1	617.1	617.1	538.1	361.4	219.6	111.2	36.1	6.2				
0	1.7	8.4	46.7	132.1	262.7	431.9	635.4	721.1	721.1	635.4	431.9	262.7	132.1	46.7	8.4	1.7			
-10		10.0	51.6	137.1	269.7	441.8	640.1	723.8	723.8	640.1	441.8	269.7	137.1	51.6	10.0				
-20	2.1	10.5	50.4	129.8	254.3	413.7	594.1	671.3	671.3	594.1	413.7	254.3	129.8	50.4	10.5	2.1			
-30		9.5	44.1	113.2	219.7	351.7	498.0	564.1	564.1	498.0	351.7	219.7	113.2	44.1	9.5				
-40	2.1	8.0	35.2	89.0	172.8	271.3	380.4	430.6	430.6	380.4	271.3	172.8	89.0	35.2	8.0	2.1			
-50		6.4	26.0	63.5	123.8	190.8	263.3	298.8	298.8	263.3	190.8	123.8	63.5	26.0	6.4				
-60	1.6	4.8	17.0	40.8	76.9	118.4	160.9	183.5	183.5	160.9	118.4	76.9	40.8	17.0	4.8	1.6			
-70		3.4	10.3	23.8	42.3	62.8	83.1	94.2	94.2	83.1	62.8	42.3	23.8	10.3	3.4				
-80	0.6	7.6		35.2		76.8		85.7		76.8		35.2		7.6		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

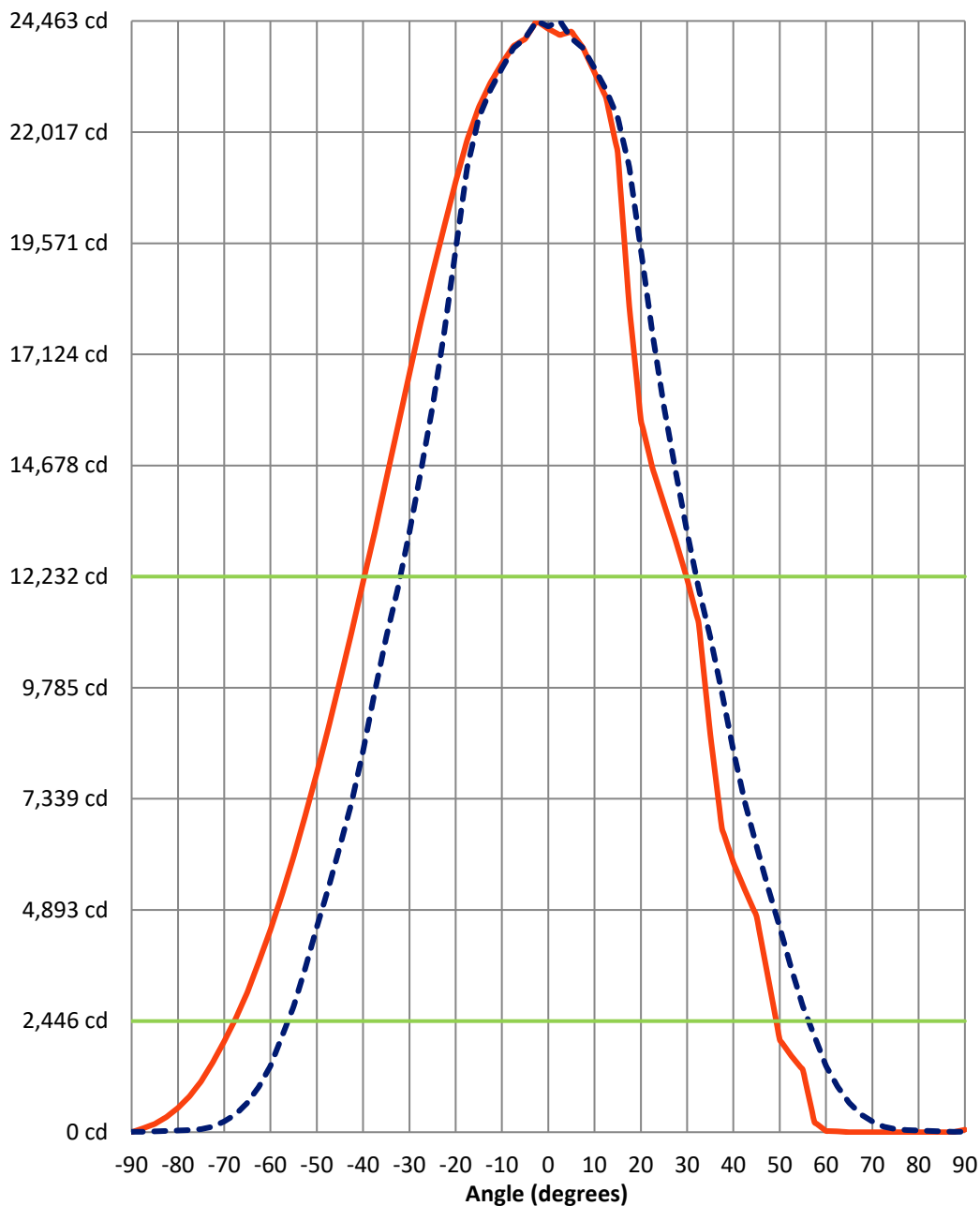
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 18888.5  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 30980  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1667.1  
 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°	9.1	9.1	9.1	11.4	13.7	16.0	18.3	20.6	22.9	25.1	27.4
87.5°	9.1	9.1	9.1	8.8	8.3	7.6	6.7	4.8	3.0	1.4	0.0
85°	9.1	9.1	9.1	8.5	7.5	6.2	4.4	2.7	1.5	0.6	0.0
82.5°	9.1	9.1	9.1	8.2	6.8	4.7	2.1	0.7	0.2	1.3	2.4
80°	9.1	9.1	9.1	8.0	6.0	3.4	0.5	1.8	3.3	4.8	6.2
77.5°	9.1	9.1	9.1	7.7	5.4	3.0	2.8	4.5	6.4	8.2	8.2
75°	9.1	9.1	9.1	7.5	5.0	4.5	5.1	7.1	9.0	7.4	4.8
72.5°	9.1	9.1	9.1	7.3	5.8	5.9	7.3	9.0	7.7	5.3	1.6
70°	9.1	9.1	9.1	7.3	6.5	7.2	9.1	8.6	6.7	3.5	4.2
67.5°	9.1	9.1	9.1	7.6	7.3	8.5	9.4	8.4	5.9	7.1	8.1
65°	9.1	9.1	9.1	7.9	7.9	9.4	9.7	8.3	9.1	10.6	11.2
62.5°	9.1	9.1	9.1	8.2	8.5	10.1	10.2	10.3	12.3	13.9	12.6
60°	9.1	9.1	9.1	8.4	9.1	10.9	10.8	13.1	15.4	15.9	14.3
57.5°	9.1	9.1	9.2	8.6	10.0	11.8	13.0	15.8	18.1	18.3	17.9
55°	9.1	9.1	9.3	8.8	10.9	12.8	15.3	18.5	20.8	21.2	22.2
52.5°	9.1	9.1	9.5	8.9	11.9	14.0	17.6	21.2	23.8	25.1	26.5
50°	9.1	9.1	9.7	9.0	12.9	15.9	19.8	23.8	27.1	29.0	30.8
47.5°	9.1	9.1	9.9	9.3	14.0	17.7	22.0	26.3	30.5	32.8	35.1
45°	9.1	9.1	10.2	10.2	15.1	19.5	24.2	28.8	33.7	36.7	39.3
42.5°	9.1	9.1	10.5	11.0	16.2	21.2	26.3	31.6	37.1	40.5	47.7
40°	9.1	9.1	10.8	12.1	17.5	22.9	28.3	34.7	40.7	44.3	57.0
37.5°	9.1	9.1	11.2	13.3	18.8	24.5	30.3	37.9	44.5	50.3	66.4
35°	9.1	9.1	11.6	14.5	20.1	26.1	32.2	41.2	48.5	61.8	84.5
32.5°	9.1	9.1	12.0	15.7	21.3	27.7	34.3	44.6	52.7	75.3	120.5
30°	9.1	9.1	12.5	16.8	22.4	29.1	37.0	48.1	57.1	90.7	155.6
27.5°	9.1	9.1	12.9	17.9	23.9	30.5	39.7	51.7	64.7	107.8	189.5
25°	9.1	9.1	13.4	19.0	25.3	31.9	42.4	55.3	77.9	132.8	222.8
22.5°	9.1	9.1	13.9	20.0	26.7	33.3	45.1	58.9	91.8	160.2	266.8
20°	9.1	9.1	14.4	21.0	28.0	34.9	47.7	62.4	106.2	186.3	310.4
17.5°	9.1	9.1	14.9	22.0	29.3	36.5	50.3	66.0	120.9	210.9	353.4
15°	9.1	9.1	15.4	22.9	30.5	38.1	52.9	70.6	135.7	233.9	395.1
12.5°	9.1	9.1	16.0	23.8	31.7	39.5	55.2	76.9	152.2	255.2	435.1
10°	9.1	9.1	16.5	24.6	32.7	40.9	57.3	83.6	169.6	280.1	475.1
7.5°	9.1	9.1	17.0	25.4	33.8	42.3	59.3	90.4	186.1	304.2	517.3
5°	9.1	9.1	17.4	26.1	34.8	43.5	61.0	97.1	201.6	326.6	556.0
2.5°	9.1	9.1	17.9	26.8	35.7	44.6	62.6	103.6	215.8	347.1	590.8
0°	9.1	9.1	18.3	27.4	36.5	45.7	63.9	109.6	228.3	365.3	621.0
-2.5°	9.1	9.1	18.3	27.4	36.5	45.7	63.9	109.6	228.3	365.3	621.0
-5°	9.1	9.1	18.2	27.3	38.0	47.5	70.7	130.9	244.7	419.4	670.4
-7.5°	9.1	9.1	18.1	27.2	38.5	48.3	73.5	139.9	250.4	440.0	687.8
-10°	9.1	9.1	18.0	27.0	39.0	49.0	75.9	147.2	254.6	455.0	700.6
-12.5°	9.1	9.1	17.9	26.7	39.3	49.6	77.7	152.7	257.5	462.8	710.6
-15°	9.1	9.1	17.7	26.5	39.4	50.1	78.8	156.0	262.8	461.9	714.2
-17.5°	9.1	9.1	17.4	26.1	39.3	50.5	79.2	159.4	270.7	457.3	709.8
-20°	9.1	9.1	17.2	25.7	39.1	50.8	81.2	162.7	275.8	448.9	696.7

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Scaled Data Report



REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	9.1	9.1	16.9	25.3	38.6	51.0	86.5	164.1	278.0	436.9	674.6
-25°	9.1	9.1	16.6	24.8	37.9	54.4	90.7	163.6	277.2	421.4	643.0
-27.5°	9.1	9.1	16.2	24.3	37.0	58.6	94.1	161.1	273.3	408.2	619.9
-30°	9.1	9.1	15.8	23.7	36.1	62.3	96.3	156.7	268.2	402.2	594.0
-32.5°	9.1	9.1	15.4	23.1	37.4	65.3	97.6	156.9	261.7	392.2	564.7
-35°	9.1	9.1	15.0	22.4	38.4	67.7	100.2	157.8	252.6	378.1	532.2
-37.5°	9.1	9.1	14.5	21.7	39.0	69.2	102.9	157.2	241.0	359.7	517.6
-40°	9.1	9.1	14.0	21.0	39.3	69.7	104.5	155.1	226.7	342.2	501.4
-42.5°	9.1	9.1	13.5	20.6	39.6	69.7	105.1	151.5	218.6	328.0	476.5
-45°	9.1	9.1	12.9	20.7	39.8	69.2	104.5	148.2	212.7	310.6	445.3
-47.5°	9.1	9.1	12.3	20.5	39.5	68.2	103.0	146.1	205.0	289.6	420.7
-50°	9.1	9.1	11.7	20.3	38.8	66.6	100.8	142.5	199.0	282.0	391.3
-52.5°	9.1	9.1	11.1	19.9	37.6	64.5	98.0	137.5	193.8	272.1	359.9
-55°	9.1	9.1	10.4	19.3	36.0	61.9	94.5	131.3	187.5	259.7	344.9
-57.5°	9.1	9.1	9.8	18.6	34.0	58.5	90.3	125.8	178.7	246.7	327.1
-60°	9.1	9.1	9.1	17.8	31.6	54.6	85.4	119.6	167.5	231.4	306.6
-62.5°	9.1	9.1	9.1	16.8	29.9	49.9	78.5	111.5	153.6	213.1	282.7
-65°	9.1	9.1	9.1	15.7	27.9	44.7	70.7	101.0	136.8	189.2	255.6
-67.5°	9.1	9.1	9.1	14.5	25.8	40.2	62.2	88.6	117.4	161.0	219.7
-70°	9.1	9.1	9.1	13.2	23.4	36.5	53.0	75.5	100.6	129.9	177.5
-72.5°	9.1	9.1	9.1	12.8	20.9	32.6	46.8	61.8	83.0	107.7	135.8
-75°	9.1	9.1	9.1	12.8	18.2	28.4	40.7	52.1	64.6	84.8	108.0
-77.5°	9.1	9.1	9.1	12.6	17.2	24.0	34.4	43.8	53.6	64.3	79.3
-80°	9.1	9.1	9.1	12.4	16.6	21.6	27.8	35.3	43.2	51.8	61.0
-82.5°	9.1	9.1	9.1	12.2	15.9	20.3	25.1	28.6	32.6	39.0	46.0
-85°	9.1	9.1	9.1	12.0	15.2	18.9	22.9	26.0	29.0	32.0	35.0
-87.5°	9.1	9.1	9.1	11.7	14.5	17.5	20.6	23.3	25.9	28.6	31.2
-90°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	6.8	4.5	2.3	0.0





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CATALOG NUMBER: GFLD-SA5E-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°
90°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	29.7	32.0	34.2
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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.7	2.4	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	6.0	4.9	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.2	2.6	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.9	0.1	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.5	2.6	2.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5.2	5.6	3.7	1.5	0.0	0.5	1.3	1.0	0.0	0.5	1.1
67.5°	8.5	6.3	4.1	2.6	3.4	4.6	4.3	4.6	4.9	5.4	4.6
65°	8.9	6.7	6.8	7.9	8.9	9.9	10.6	11.3	9.5	8.2	8.4
62.5°	9.5	10.3	11.9	13.3	14.7	15.9	16.0	14.2	10.8	13.5	15.5
60°	13.6	14.9	16.9	18.7	20.5	21.5	20.5	20.7	23.0	26.7	51.3
57.5°	18.3	19.5	21.8	24.7	27.2	27.6	28.4	30.9	72.4	118.2	130.5
55°	23.1	24.1	27.9	32.5	35.1	34.9	50.1	105.6	159.3	220.8	243.4
52.5°	27.8	29.8	36.3	41.8	45.2	70.4	126.9	202.2	281.6	352.1	443.2
50°	32.5	39.1	45.9	53.9	85.9	151.7	234.3	337.1	456.7	569.4	684.8
47.5°	40.7	49.0	59.3	85.0	169.4	260.7	374.9	540.3	687.9	824.3	982.5
45°	50.3	67.5	79.0	168.3	266.3	384.2	577.5	779.7	913.7	1096.2	1376.2
42.5°	60.2	93.5	150.9	254.2	373.7	563.6	803.4	975.8	1154.0	1449.8	1744.2
40°	86.6	125.3	227.7	350.5	501.9	779.0	1025.1	1220.2	1463.5	1791.5	2098.8
37.5°	118.6	191.2	305.9	453.2	703.1	1006.8	1270.3	1549.1	1828.8	2138.0	2708.0
35°	154.2	252.5	405.1	603.8	904.5	1259.4	1573.6	1885.1	2207.4	2816.2	3381.9
32.5°	200.6	308.9	508.8	779.0	1122.0	1511.6	1876.4	2236.5	2753.4	3442.4	4010.1
30°	250.6	399.4	628.0	941.0	1326.9	1742.7	2181.3	2617.2	3301.4	3871.5	4487.8
27.5°	302.9	495.0	768.0	1110.4	1518.7	1960.7	2455.7	3077.6	3687.9	4251.2	4928.5
25°	356.5	594.6	895.9	1272.3	1707.5	2196.4	2765.7	3523.3	4000.6	4623.2	5329.6
22.5°	425.6	689.9	1022.7	1419.0	1882.4	2438.5	3164.7	3925.4	4487.1	5010.7	5700.8
20°	505.3	797.2	1160.5	1603.0	2053.8	2675.1	3561.3	4361.4	5022.1	5621.7	6255.6
17.5°	579.8	897.5	1308.0	1790.8	2303.1	2978.2	3950.5	4835.9	5563.1	6231.2	7022.6
15°	648.7	990.3	1452.4	1968.5	2548.3	3325.5	4299.5	5271.9	6102.2	6854.0	7753.3
12.5°	711.7	1075.1	1591.5	2134.8	2779.0	3624.8	4592.6	5541.7	6454.3	7433.9	8454.5
10°	768.4	1151.4	1722.8	2288.3	2993.0	3878.0	4834.7	5766.6	6687.4	7724.1	8858.0
7.5°	829.4	1222.7	1842.1	2427.9	3187.7	4087.2	5028.2	5947.2	6875.7	7956.1	9120.3
5°	885.7	1288.2	1936.9	2527.9	3338.2	4250.4	5173.7	6084.2	7018.8	8129.1	9318.9
2.5°	935.1	1343.4	2014.1	2606.3	3449.8	4370.5	5268.2	6198.5	7124.9	8269.6	9470.6
0°	977.1	1388.1	2073.0	2666.5	3534.1	4456.4	5323.9	6273.7	7186.9	8364.9	9570.3
-2.5°	1004.0	1461.4	2113.4	2771.6	3607.8	4512.7	5373.7	6294.7	7253.7	8395.0	9682.3
-5°	1022.8	1520.7	2137.8	2852.5	3655.9	4537.5	5390.2	6278.5	7271.4	8387.4	9698.8
-7.5°	1033.8	1562.6	2149.2	2898.6	3672.9	4522.6	5362.4	6247.5	7242.3	8358.7	9626.2
-10°	1040.1	1575.8	2164.7	2884.7	3650.6	4473.6	5300.6	6175.0	7159.5	8265.4	9488.5
-12.5°	1057.3	1567.4	2162.0	2854.0	3602.6	4399.7	5209.0	6060.1	7021.4	8106.1	9298.0
-15°	1061.6	1548.5	2136.1	2808.8	3529.2	4303.0	5089.1	5902.6	6851.2	7950.9	9087.4
-17.5°	1052.0	1520.2	2085.5	2751.1	3430.8	4185.7	4947.8	5760.8	6691.6	7771.8	8866.2
-20°	1027.6	1483.3	2009.1	2683.0	3314.2	4055.4	4806.4	5611.9	6508.0	7523.4	8618.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	987.6	1438.8	1926.4	2588.0	3213.5	3905.8	4640.7	5409.2	6278.0	7201.2	8285.9
-25°	946.3	1388.5	1861.3	2457.4	3092.3	3731.0	4450.2	5161.4	6007.8	6914.5	7877.0
-27.5°	907.0	1318.4	1793.5	2314.2	2949.6	3544.5	4234.9	4928.5	5703.9	6592.6	7478.7
-30°	855.8	1242.5	1710.8	2176.6	2779.0	3368.7	3994.7	4677.4	5374.6	6218.0	7089.8
-32.5°	810.5	1163.7	1616.7	2071.8	2595.6	3170.8	3735.7	4386.4	5066.9	5785.8	6647.3
-35°	780.2	1117.1	1517.0	1950.7	2408.4	2955.5	3492.8	4058.2	4717.3	5391.9	6148.4
-37.5°	755.7	1063.5	1412.0	1824.5	2260.2	2729.7	3232.8	3752.9	4328.0	5008.3	5719.5
-40°	717.2	1003.2	1334.2	1704.3	2088.6	2515.6	2982.5	3453.3	3951.9	4616.5	5318.2
-42.5°	667.8	944.8	1260.8	1573.4	1924.5	2314.3	2729.3	3172.7	3651.8	4229.1	4874.1
-45°	629.7	870.1	1179.3	1459.3	1750.0	2106.4	2496.1	2897.8	3349.7	3845.3	4424.6
-47.5°	581.5	789.0	1072.7	1334.3	1590.4	1894.7	2251.1	2631.3	3031.5	3478.1	3953.0
-50°	529.8	721.2	942.3	1197.0	1441.2	1694.3	1998.2	2349.8	2713.0	3102.2	3525.9
-52.5°	490.6	642.0	843.8	1055.8	1288.6	1518.1	1776.9	2078.3	2402.7	2727.9	3100.6
-55°	446.2	583.7	750.0	940.1	1138.2	1350.6	1586.3	1850.4	2114.8	2413.6	2710.9
-57.5°	415.0	527.5	671.7	836.9	1014.9	1195.4	1417.9	1641.0	1885.8	2133.0	2379.8
-60°	390.7	479.1	598.6	744.1	902.7	1071.5	1254.1	1460.2	1671.0	1872.8	2086.0
-62.5°	362.8	439.7	533.2	651.7	795.1	941.9	1102.7	1279.4	1470.0	1640.0	1805.3
-65°	326.7	393.5	473.7	570.3	682.8	807.0	943.9	1092.9	1257.6	1395.6	1530.6
-67.5°	285.2	341.5	408.8	487.7	581.5	678.4	778.9	904.8	1038.6	1151.1	1261.2
-70°	233.1	285.2	340.2	404.5	478.1	560.2	648.7	740.0	831.6	923.5	1024.1
-72.5°	178.4	225.8	272.5	318.4	377.0	444.2	516.4	593.0	673.0	751.6	828.0
-75°	136.0	166.7	207.6	248.9	289.6	333.4	382.2	443.2	517.4	593.7	663.6
-77.5°	102.7	128.5	155.7	184.1	209.8	242.1	277.3	315.2	376.6	446.9	517.9
-80°	74.1	89.6	111.2	134.0	152.1	169.9	188.5	207.6	253.2	309.9	370.4
-82.5°	55.0	65.6	77.6	90.9	100.0	108.8	118.7	131.4	165.2	203.5	243.9
-85°	37.8	41.0	47.5	54.9	60.0	65.2	70.4	75.8	94.1	114.5	136.4
-87.5°	32.7	34.2	36.0	37.9	38.5	39.2	39.8	40.3	46.5	52.9	59.6
-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: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	36.5	38.8	41.1	43.4	45.7	48.0	50.3	52.5	54.8	54.8	54.8
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	0.0	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°	0.8	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4.2	4.6	4.7	3.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	9.6	9.2	6.8	4.4	2.2	3.5	5.5	6.6	6.7	5.9	4.6
62.5°	14.5	13.3	12.0	13.9	16.6	19.2	18.4	17.4	16.2	15.5	16.0
60°	54.0	36.0	41.6	52.3	48.8	33.5	55.0	62.3	53.1	36.3	35.1
57.5°	136.9	132.1	151.3	221.1	243.3	221.7	264.9	321.7	320.0	275.5	274.1
55°	291.6	391.3	511.5	531.0	614.8	782.6	913.2	855.9	855.6	898.6	1037.4
52.5°	553.9	648.0	683.0	776.5	951.4	1078.4	1160.0	1244.5	1337.0	1431.5	1527.2
50°	813.0	904.3	1007.9	1103.6	1345.8	1476.1	1454.3	1629.3	1853.2	1993.1	2064.9
47.5°	1192.4	1336.3	1555.4	1898.6	2079.4	2210.1	2372.6	2570.8	2827.3	3175.3	3443.3
45°	1639.2	1865.5	2204.5	2569.2	2849.7	2977.5	3163.5	3470.4	3879.4	4277.6	4568.5
42.5°	2004.4	2314.9	2697.3	3045.7	3274.5	3484.4	3725.2	3984.0	4452.5	4877.9	5214.0
40°	2481.0	2722.9	3151.9	3480.3	3685.1	3893.2	4274.8	4662.2	5102.7	5499.0	5774.5
37.5°	3085.1	3357.3	3803.5	4174.9	4372.2	4445.7	5094.6	5633.9	5991.9	6497.8	6663.3
35°	3734.0	4182.0	4750.6	5232.2	5425.6	5811.5	6480.0	7232.4	8047.6	8347.4	8603.0
32.5°	4458.0	5010.7	5782.2	6299.1	6575.0	7160.7	8006.7	8809.8	9875.7	10454.2	10627.2
30°	5120.4	5754.5	6417.7	6920.1	7391.8	8097.2	8868.7	9858.9	10844.5	11584.2	11814.0
27.5°	5606.5	6308.1	6945.6	7416.1	7948.4	8708.9	9670.9	10673.7	11641.2	12395.8	12664.0
25°	6070.4	6863.5	7368.3	7915.3	8540.4	9369.2	10435.2	11549.4	12502.4	13140.2	13469.1
22.5°	6598.2	7380.2	7922.0	8385.4	9202.7	10157.7	11147.2	12406.2	13415.9	13924.9	14281.4
20°	7142.9	8027.6	8864.7	9295.7	10002.8	11212.0	12319.7	13508.4	14483.4	15013.7	15389.3
17.5°	7902.8	9030.4	10057.1	10667.4	11424.6	12870.5	14252.7	15455.1	16811.3	17290.4	17749.4
15°	8704.2	10009.3	11211.9	12178.8	13156.9	14589.5	16368.8	17819.8	19367.3	20058.5	20839.8
12.5°	9503.0	10738.0	11827.6	13075.0	14453.5	15720.8	17414.7	19221.5	20625.8	21507.3	22033.3
10°	10100.1	11247.1	12295.6	13546.0	14922.0	16355.5	18038.7	19890.8	21360.9	22113.1	22542.4
7.5°	10422.5	11520.3	12626.2	13893.3	15263.1	16789.8	18524.1	20361.6	21864.8	22593.6	23017.4
5°	10661.9	11716.2	12861.4	14195.1	15580.2	17128.2	18860.1	20675.8	22046.4	22820.8	23356.9
2.5°	10806.8	11840.4	13011.2	14390.3	15778.7	17391.0	19206.6	21088.7	22287.9	22910.9	23403.9
0°	10848.8	11889.8	13095.3	14492.4	15917.0	17542.5	19341.5	21204.4	22419.0	23021.7	23524.0
-2.5°	10896.1	11967.9	13206.4	14558.7	15971.2	17592.1	19428.4	21243.6	22336.2	22944.4	23422.2
-5°	10863.1	11974.0	13208.7	14503.9	15925.7	17533.7	19296.5	20993.8	22136.7	22794.2	23269.3
-7.5°	10764.8	11891.5	13113.4	14358.2	15753.0	17379.2	19134.6	20769.0	21926.8	22620.1	23140.0
-10°	10621.8	11715.6	12946.0	14206.6	15584.6	17132.6	18861.1	20485.7	21593.8	22330.0	22935.9
-12.5°	10463.2	11534.4	12720.4	13929.5	15292.4	16821.3	18496.0	20033.9	21135.4	21938.4	22371.4
-15°	10228.3	11298.9	12432.7	13602.2	14930.6	16413.9	18013.6	19489.1	20570.7	21224.2	21702.7
-17.5°	9929.5	10979.9	12054.8	13164.2	14415.6	15876.4	17485.8	18941.0	19822.7	20406.3	20876.6
-20°	9609.5	10580.8	11599.2	12646.0	13859.0	15306.0	16886.6	18155.9	18987.0	19547.7	19991.7



REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	9243.9	10179.3	11111.4	12112.2	13301.6	14628.2	16024.4	17250.9	18144.5	18655.2	19065.6
-25°	8826.6	9736.5	10621.7	11588.3	12681.4	13873.9	15172.1	16377.4	17177.7	17720.2	18127.1
-27.5°	8377.2	9232.1	10096.8	10964.8	11947.5	13135.6	14337.9	15457.7	16140.8	16687.5	17096.9
-30°	7928.6	8697.6	9497.6	10319.3	11241.7	12312.9	13437.5	14379.1	15099.5	15630.8	16010.8
-32.5°	7442.5	8172.2	8881.0	9648.9	10517.4	11461.5	12448.4	13344.1	14113.9	14600.5	14920.8
-35°	6944.7	7651.0	8299.7	8996.8	9762.8	10577.5	11488.5	12371.9	13132.1	13517.1	13829.3
-37.5°	6426.0	7130.4	7745.4	8327.7	8987.6	9742.1	10629.4	11472.3	12129.0	12460.0	12741.4
-40°	5975.1	6595.2	7148.8	7706.0	8242.5	8912.5	9740.5	10556.6	11083.6	11406.1	11667.4
-42.5°	5537.4	6060.4	6513.8	7013.2	7550.2	8210.7	8878.8	9563.1	9986.6	10344.6	10619.9
-45°	5027.5	5495.0	5920.1	6335.6	6825.3	7428.3	8035.2	8583.3	8980.0	9326.0	9594.1
-47.5°	4463.6	4915.0	5327.8	5699.2	6154.3	6657.3	7168.3	7624.4	8016.1	8358.0	8597.2
-50°	3938.0	4341.3	4744.4	5120.3	5514.7	5921.6	6336.1	6736.4	7108.2	7440.5	7644.0
-52.5°	3467.2	3839.3	4191.5	4520.2	4865.3	5209.1	5552.4	5919.0	6261.2	6575.6	6738.2
-55°	3041.2	3376.8	3694.6	3971.5	4248.4	4521.1	4815.3	5153.8	5468.9	5760.1	5876.8
-57.5°	2658.9	2946.0	3227.3	3461.5	3687.5	3904.4	4162.7	4448.5	4724.2	4973.9	5069.3
-60°	2307.2	2535.0	2770.2	2978.0	3175.0	3361.0	3586.3	3816.3	4040.0	4228.2	4309.5
-62.5°	1983.6	2178.5	2356.7	2525.6	2692.4	2859.9	3041.7	3224.2	3404.9	3549.8	3623.2
-65°	1671.7	1826.9	1970.1	2108.9	2243.7	2384.3	2526.7	2665.4	2799.1	2902.7	2966.3
-67.5°	1378.9	1496.8	1610.5	1718.7	1831.4	1945.4	2056.8	2163.0	2263.5	2343.6	2404.4
-70°	1119.3	1210.6	1299.6	1389.1	1483.3	1571.9	1655.7	1735.2	1810.0	1867.7	1914.5
-72.5°	902.3	976.3	1053.1	1133.8	1209.9	1276.2	1336.4	1394.5	1450.1	1482.7	1507.1
-75°	727.4	789.8	856.6	921.8	985.4	1035.7	1080.0	1122.8	1164.0	1166.2	1158.0
-77.5°	587.6	643.3	695.0	746.3	797.0	828.1	855.2	883.1	911.3	895.0	869.2
-80°	431.2	477.7	521.6	565.7	609.9	628.2	641.0	652.2	661.5	640.2	613.9
-82.5°	286.2	315.4	344.0	373.1	402.5	414.3	423.0	430.3	436.0	416.8	394.5
-85°	159.7	173.8	187.6	201.5	215.5	223.7	231.2	238.1	244.4	233.0	219.9
-87.5°	66.4	69.6	72.7	75.8	78.8	81.7	84.5	87.3	90.0	90.4	90.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	52.5
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°	2.7	0.4	0.0	0.0	0.0	0.4	2.7	4.6	5.9	6.7	6.6
62.5°	16.8	17.5	18.1	18.3	18.1	17.5	16.8	16.0	15.5	16.2	17.4
60°	32.3	28.3	27.3	27.4	27.3	28.3	32.3	35.1	36.3	53.1	62.3
57.5°	253.1	216.7	222.2	246.6	222.2	216.7	253.1	274.1	275.5	320.0	321.7
55°	1183.1	1320.7	1369.3	1342.4	1369.3	1320.7	1183.1	1037.4	898.6	855.6	855.9
52.5°	1602.9	1659.3	1681.1	1680.3	1681.1	1659.3	1602.9	1527.2	1431.5	1337.0	1244.5
50°	2086.7	2067.6	2038.2	2009.0	2038.2	2067.6	2086.7	2064.9	1993.1	1853.2	1629.3
47.5°	3482.5	3422.2	3396.7	3442.8	3396.7	3422.2	3482.5	3443.3	3175.3	2827.3	2570.8
45°	4627.8	4698.5	4751.3	4748.6	4751.3	4698.5	4627.8	4568.5	4277.6	3879.4	3470.4
42.5°	5279.9	5317.5	5328.5	5314.8	5328.5	5317.5	5279.9	5214.0	4877.9	4452.5	3984.0
40°	5861.1	5906.0	5931.2	5954.0	5931.2	5906.0	5861.1	5774.5	5499.0	5102.7	4662.2
37.5°	6717.9	6734.4	6698.5	6675.5	6698.5	6734.4	6717.9	6663.3	6497.8	5991.9	5633.9
35°	8818.5	8861.6	8761.9	8867.1	8761.9	8861.6	8818.5	8603.0	8347.4	8047.6	7232.4
32.5°	10833.1	11034.8	11197.8	11332.8	11197.8	11034.8	10833.1	10627.2	10454.2	9875.7	8809.8
30°	11974.4	12104.4	12174.3	12191.2	12174.3	12104.4	11974.4	11814.0	11584.2	10844.5	9858.9
27.5°	12812.2	12948.6	13033.5	13095.3	13033.5	12948.6	12812.2	12664.0	12395.8	11641.2	10673.7
25°	13619.8	13744.5	13829.3	13862.3	13829.3	13744.5	13619.8	13469.1	13140.2	12502.4	11549.4
22.5°	14457.8	14544.4	14625.9	14666.0	14625.9	14544.4	14457.8	14281.4	13924.9	13415.9	12406.2
20°	15659.0	15612.0	15686.3	15661.3	15686.3	15612.0	15659.0	15389.3	15013.7	14483.4	13508.4
17.5°	18107.2	18132.5	18182.2	18263.9	18182.2	18132.5	18107.2	17749.4	17290.4	16811.3	15455.1
15°	21185.9	21247.9	21562.8	21843.7	21562.8	21247.9	21185.9	20839.8	20058.5	19367.3	17819.8
12.5°	22521.4	22735.8	22769.0	22848.2	22769.0	22735.8	22521.4	22033.3	21507.3	20625.8	19221.5
10°	22967.0	23338.4	23330.3	23423.5	23330.3	23338.4	22967.0	22542.4	22113.1	21360.9	19890.8
7.5°	23305.1	23703.8	23872.4	23944.0	23872.4	23703.8	23305.1	23017.4	22593.6	21864.8	20361.6
5°	23718.1	23937.3	24228.1	24144.9	24228.1	23937.3	23718.1	23356.9	22820.8	22046.4	20675.8
2.5°	23891.1	24234.6	24155.3	24236.3	24155.3	24234.6	23891.1	23403.9	22910.9	22287.9	21088.7
0°	24008.0	24254.5	24291.1	24373.2	24291.1	24254.5	24008.0	23524.0	23021.7	22419.0	21204.4
-2.5°	23866.3	24083.3	24463.3	24345.8	24463.3	24083.3	23866.3	23422.2	22944.4	22336.2	21243.6
-5°	23742.2	24276.3	24068.8	24327.6	24068.8	24276.3	23742.2	23269.3	22794.2	22136.7	20993.8
-7.5°	23678.1	23773.6	23911.2	24108.4	23911.2	23773.6	23678.1	23140.0	22620.1	21926.8	20769.0
-10°	23182.4	23280.1	23533.1	23670.1	23533.1	23280.1	23182.4	22935.9	22330.0	21593.8	20485.7
-12.5°	22644.9	22834.0	23099.7	23186.1	23099.7	22834.0	22644.9	22371.4	21938.4	21135.4	20033.9
-15°	22025.6	22306.6	22565.5	22619.9	22565.5	22306.6	22025.6	21702.7	21224.2	20570.7	19489.1
-17.5°	21238.2	21575.1	21847.2	21907.6	21847.2	21575.1	21238.2	20876.6	20406.3	19822.7	18941.0
-20°	20370.6	20693.3	20924.7	20994.4	20924.7	20693.3	20370.6	19991.7	19547.7	18987.0	18155.9



REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19441.7	19732.2	19927.8	19898.6	19927.8	19732.2	19441.7	19065.6	18655.2	18144.5	17250.9
-25°	18455.5	18725.1	18911.5	18884.9	18911.5	18725.1	18455.5	18127.1	17720.2	17177.7	16377.4
-27.5°	17412.8	17668.2	17847.3	17853.0	17847.3	17668.2	17412.8	17096.9	16687.5	16140.8	15457.7
-30°	16317.2	16549.2	16694.6	16638.5	16694.6	16549.2	16317.2	16010.8	15630.8	15099.5	14379.1
-32.5°	15187.2	15397.0	15530.3	15570.0	15530.3	15397.0	15187.2	14920.8	14600.5	14113.9	13344.1
-35°	14072.6	14257.6	14372.7	14401.1	14372.7	14257.6	14072.6	13829.3	13517.1	13132.1	12371.9
-37.5°	12965.2	13124.3	13204.7	13168.3	13204.7	13124.3	12965.2	12741.4	12460.0	12129.0	11472.3
-40°	11870.8	12022.3	12114.5	12136.4	12114.5	12022.3	11870.8	11667.4	11406.1	11083.6	10556.6
-42.5°	10794.8	10920.8	11001.7	11040.6	11001.7	10920.8	10794.8	10619.9	10344.6	9986.6	9563.1
-45°	9750.6	9863.3	9939.2	9981.2	9939.2	9863.3	9750.6	9594.1	9326.0	8980.0	8583.3
-47.5°	8734.6	8833.4	8898.9	8931.1	8898.9	8833.4	8734.6	8597.2	8358.0	8016.1	7624.4
-50°	7763.1	7848.7	7909.7	7944.8	7909.7	7848.7	7763.1	7644.0	7440.5	7108.2	6736.4
-52.5°	6841.7	6916.5	6968.5	6995.1	6968.5	6916.5	6841.7	6738.2	6575.6	6261.2	5919.0
-55°	5962.0	6022.6	6070.7	6100.2	6070.7	6022.6	5962.0	5876.8	5760.1	5468.9	5153.8
-57.5°	5141.6	5191.1	5236.6	5269.1	5236.6	5191.1	5141.6	5069.3	4973.9	4724.2	4448.5
-60°	4373.6	4420.3	4459.1	4483.8	4459.1	4420.3	4373.6	4309.5	4228.2	4040.0	3816.3
-62.5°	3680.5	3721.9	3757.4	3780.6	3757.4	3721.9	3680.5	3623.2	3549.8	3404.9	3224.2
-65°	3016.3	3053.4	3079.8	3095.7	3079.8	3053.4	3016.3	2966.3	2902.7	2799.1	2665.4
-67.5°	2456.2	2498.9	2507.5	2502.2	2507.5	2498.9	2456.2	2404.4	2343.6	2263.5	2163.0
-70°	1956.3	1992.5	2001.0	1999.9	2001.0	1992.5	1956.3	1914.5	1867.7	1810.0	1735.2
-72.5°	1529.7	1549.5	1532.7	1506.8	1532.7	1549.5	1529.7	1507.1	1482.7	1450.1	1394.5
-75°	1147.9	1135.3	1117.5	1095.8	1117.5	1135.3	1147.9	1158.0	1166.2	1164.0	1122.8
-77.5°	840.7	809.5	789.2	767.1	789.2	809.5	840.7	869.2	895.0	911.3	883.1
-80°	585.4	554.9	533.8	511.4	533.8	554.9	585.4	613.9	640.2	661.5	652.2
-82.5°	370.8	345.7	333.0	319.6	333.0	345.7	370.8	394.5	416.8	436.0	430.3
-85°	206.0	191.2	182.5	173.5	182.5	191.2	206.0	219.9	233.0	244.4	238.1
-87.5°	91.0	91.2	86.7	82.2	86.7	91.2	91.0	90.7	90.4	90.0	87.3
-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°	50.3	48.0	45.7	43.4	41.1	38.8	36.5	34.2	32.0	29.7	27.4
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°	0.0	0.0	0.3	0.2	0.0	0.0	0.8	1.1	0.5	0.0	1.0
67.5°	0.0	0.0	1.6	3.8	4.7	4.6	4.2	4.6	5.4	4.9	4.6
65°	5.5	3.5	2.2	4.4	6.8	9.2	9.6	8.4	8.2	9.5	11.3
62.5°	18.4	19.2	16.6	13.9	12.0	13.3	14.5	15.5	13.5	10.8	14.2
60°	55.0	33.5	48.8	52.3	41.6	36.0	54.0	51.3	26.7	23.0	20.7
57.5°	264.9	221.7	243.3	221.1	151.3	132.1	136.9	130.5	118.2	72.4	30.9
55°	913.2	782.6	614.8	531.0	511.5	391.3	291.6	243.4	220.8	159.3	105.6
52.5°	1160.0	1078.4	951.4	776.5	683.0	648.0	553.9	443.2	352.1	281.6	202.2
50°	1454.3	1476.1	1345.8	1103.6	1007.9	904.3	813.0	684.8	569.4	456.7	337.1
47.5°	2372.6	2210.1	2079.4	1898.6	1555.4	1336.3	1192.4	982.5	824.3	687.9	540.3
45°	3163.5	2977.5	2849.7	2569.2	2204.5	1865.5	1639.2	1376.2	1096.2	913.7	779.7
42.5°	3725.2	3484.4	3274.5	3045.7	2697.3	2314.9	2004.4	1744.2	1449.8	1154.0	975.8
40°	4274.8	3893.2	3685.1	3480.3	3151.9	2722.9	2481.0	2098.8	1791.5	1463.5	1220.2
37.5°	5094.6	4445.7	4372.2	4174.9	3803.5	3357.3	3085.1	2708.0	2138.0	1828.8	1549.1
35°	6480.0	5811.5	5425.6	5232.2	4750.6	4182.0	3734.0	3381.9	2816.2	2207.4	1885.1
32.5°	8006.7	7160.7	6575.0	6299.1	5782.2	5010.7	4458.0	4010.1	3442.4	2753.4	2236.5
30°	8868.7	8097.2	7391.8	6920.1	6417.7	5754.5	5120.4	4487.8	3871.5	3301.4	2617.2
27.5°	9670.9	8708.9	7948.4	7416.1	6945.6	6308.1	5606.5	4928.5	4251.2	3687.9	3077.6
25°	10435.2	9369.2	8540.4	7915.3	7368.3	6863.5	6070.4	5329.6	4623.2	4000.6	3523.3
22.5°	11147.2	10157.7	9202.7	8385.4	7922.0	7380.2	6598.2	5700.8	5010.7	4487.1	3925.4
20°	12319.7	11212.0	10002.8	9295.7	8864.7	8027.6	7142.9	6255.6	5621.7	5022.1	4361.4
17.5°	14252.7	12870.5	11424.6	10667.4	10057.1	9030.4	7902.8	7022.6	6231.2	5563.1	4835.9
15°	16368.8	14589.5	13156.9	12178.8	11211.9	10009.3	8704.2	7753.3	6854.0	6102.2	5271.9
12.5°	17414.7	15720.8	14453.5	13075.0	11827.6	10738.0	9503.0	8454.5	7433.9	6454.3	5541.7
10°	18038.7	16355.5	14922.0	13546.0	12295.6	11247.1	10100.1	8858.0	7724.1	6687.4	5766.6
7.5°	18524.1	16789.8	15263.1	13893.3	12626.2	11520.3	10422.5	9120.3	7956.1	6875.7	5947.2
5°	18860.1	17128.2	15580.2	14195.1	12861.4	11716.2	10661.9	9318.9	8129.1	7018.8	6084.2
2.5°	19206.6	17391.0	15778.7	14390.3	13011.2	11840.4	10806.8	9470.6	8269.6	7124.9	6198.5
0°	19341.5	17542.5	15917.0	14492.4	13095.3	11889.8	10848.8	9570.3	8364.9	7186.9	6273.7
-2.5°	19428.4	17592.1	15971.2	14558.7	13206.4	11967.9	10896.1	9682.3	8395.0	7253.7	6294.7
-5°	19296.5	17533.7	15925.7	14503.9	13208.7	11974.0	10863.1	9698.8	8387.4	7271.4	6278.5
-7.5°	19134.6	17379.2	15753.0	14358.2	13113.4	11891.5	10764.8	9626.2	8358.7	7242.3	6247.5
-10°	18861.1	17132.6	15584.6	14206.6	12946.0	11715.6	10621.8	9488.5	8265.4	7159.5	6175.0
-12.5°	18496.0	16821.3	15292.4	13929.5	12720.4	11534.4	10463.2	9298.0	8106.1	7021.4	6060.1
-15°	18013.6	16413.9	14930.6	13602.2	12432.7	11298.9	10228.3	9087.4	7950.9	6851.2	5902.6
-17.5°	17485.8	15876.4	14415.6	13164.2	12054.8	10979.9	9929.5	8866.2	7771.8	6691.6	5760.8
-20°	16886.6	15306.0	13859.0	12646.0	11599.2	10580.8	9609.5	8618.6	7523.4	6508.0	5611.9



REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	16024.4	14628.2	13301.6	12112.2	11111.4	10179.3	9243.9	8285.9	7201.2	6278.0	5409.2
-25°	15172.1	13873.9	12681.4	11588.3	10621.7	9736.5	8826.6	7877.0	6914.5	6007.8	5161.4
-27.5°	14337.9	13135.6	11947.5	10964.8	10096.8	9232.1	8377.2	7478.7	6592.6	5703.9	4928.5
-30°	13437.5	12312.9	11241.7	10319.3	9497.6	8697.6	7928.6	7089.8	6218.0	5374.6	4677.4
-32.5°	12448.4	11461.5	10517.4	9648.9	8881.0	8172.2	7442.5	6647.3	5785.8	5066.9	4386.4
-35°	11488.5	10577.5	9762.8	8996.8	8299.7	7651.0	6944.7	6148.4	5391.9	4717.3	4058.2
-37.5°	10629.4	9742.1	8987.6	8327.7	7745.4	7130.4	6426.0	5719.5	5008.3	4328.0	3752.9
-40°	9740.5	8912.5	8242.5	7706.0	7148.8	6595.2	5975.1	5318.2	4616.5	3951.9	3453.3
-42.5°	8878.8	8210.7	7550.2	7013.2	6513.8	6060.4	5537.4	4874.1	4229.1	3651.8	3172.7
-45°	8035.2	7428.3	6825.3	6335.6	5920.1	5495.0	5027.5	4424.6	3845.3	3349.7	2897.8
-47.5°	7168.3	6657.3	6154.3	5699.2	5327.8	4915.0	4463.6	3953.0	3478.1	3031.5	2631.3
-50°	6336.1	5921.6	5514.7	5120.3	4744.4	4341.3	3938.0	3525.9	3102.2	2713.0	2349.8
-52.5°	5552.4	5209.1	4865.3	4520.2	4191.5	3839.3	3467.2	3100.6	2727.9	2402.7	2078.3
-55°	4815.3	4521.1	4248.4	3971.5	3694.6	3376.8	3041.2	2710.9	2413.6	2114.8	1850.4
-57.5°	4162.7	3904.4	3687.5	3461.5	3227.3	2946.0	2658.9	2379.8	2133.0	1885.8	1641.0
-60°	3586.3	3361.0	3175.0	2978.0	2770.2	2535.0	2307.2	2086.0	1872.8	1671.0	1460.2
-62.5°	3041.7	2859.9	2692.4	2525.6	2356.7	2178.5	1983.6	1805.3	1640.0	1470.0	1279.4
-65°	2526.7	2384.3	2243.7	2108.9	1970.1	1826.9	1671.7	1530.6	1395.6	1257.6	1092.9
-67.5°	2056.8	1945.4	1831.4	1718.7	1610.5	1496.8	1378.9	1261.2	1151.1	1038.6	904.8
-70°	1655.7	1571.9	1483.3	1389.1	1299.6	1210.6	1119.3	1024.1	923.5	831.6	740.0
-72.5°	1336.4	1276.2	1209.9	1133.8	1053.1	976.3	902.3	828.0	751.6	673.0	593.0
-75°	1080.0	1035.7	985.4	921.8	856.6	789.8	727.4	663.6	593.7	517.4	443.2
-77.5°	855.2	828.1	797.0	746.3	695.0	643.3	587.6	517.9	446.9	376.6	315.2
-80°	641.0	628.2	609.9	565.7	521.6	477.7	431.2	370.4	309.9	253.2	207.6
-82.5°	423.0	414.3	402.5	373.1	344.0	315.4	286.2	243.9	203.5	165.2	131.4
-85°	231.2	223.7	215.5	201.5	187.6	173.8	159.7	136.4	114.5	94.1	75.8
-87.5°	84.5	81.7	78.8	75.8	72.7	69.6	66.4	59.6	52.9	46.5	40.3
-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: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	25.1	22.9	20.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	3.0	4.8
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.6	1.5	2.7
82.5°	0.0	0.0	0.0	0.2	1.5	2.4	2.7	2.4	1.3	0.2	0.7
80°	0.0	0.0	0.0	0.3	2.3	4.9	6.0	6.2	4.8	3.3	1.8
77.5°	0.0	0.0	0.0	0.1	0.9	2.6	5.2	8.2	8.2	6.4	4.5
75°	0.0	0.0	0.0	0.4	0.6	0.1	1.9	4.8	7.4	9.0	7.1
72.5°	0.0	0.0	0.0	1.1	2.4	2.6	1.5	1.6	5.3	7.7	9.0
70°	1.3	0.5	0.0	1.5	3.7	5.6	5.2	4.2	3.5	6.7	8.6
67.5°	4.3	4.6	3.4	2.6	4.1	6.3	8.5	8.1	7.1	5.9	8.4
65°	10.6	9.9	8.9	7.9	6.8	6.7	8.9	11.2	10.6	9.1	8.3
62.5°	16.0	15.9	14.7	13.3	11.9	10.3	9.5	12.6	13.9	12.3	10.3
60°	20.5	21.5	20.5	18.7	16.9	14.9	13.6	14.3	15.9	15.4	13.1
57.5°	28.4	27.6	27.2	24.7	21.8	19.5	18.3	17.9	18.3	18.1	15.8
55°	50.1	34.9	35.1	32.5	27.9	24.1	23.1	22.2	21.2	20.8	18.5
52.5°	126.9	70.4	45.2	41.8	36.3	29.8	27.8	26.5	25.1	23.8	21.2
50°	234.3	151.7	85.9	53.9	45.9	39.1	32.5	30.8	29.0	27.1	23.8
47.5°	374.9	260.7	169.4	85.0	59.3	49.0	40.7	35.1	32.8	30.5	26.3
45°	577.5	384.2	266.3	168.3	79.0	67.5	50.3	39.3	36.7	33.7	28.8
42.5°	803.4	563.6	373.7	254.2	150.9	93.5	60.2	47.7	40.5	37.1	31.6
40°	1025.1	779.0	501.9	350.5	227.7	125.3	86.6	57.0	44.3	40.7	34.7
37.5°	1270.3	1006.8	703.1	453.2	305.9	191.2	118.6	66.4	50.3	44.5	37.9
35°	1573.6	1259.4	904.5	603.8	405.1	252.5	154.2	84.5	61.8	48.5	41.2
32.5°	1876.4	1511.6	1122.0	779.0	508.8	308.9	200.6	120.5	75.3	52.7	44.6
30°	2181.3	1742.7	1326.9	941.0	628.0	399.4	250.6	155.6	90.7	57.1	48.1
27.5°	2455.7	1960.7	1518.7	1110.4	768.0	495.0	302.9	189.5	107.8	64.7	51.7
25°	2765.7	2196.4	1707.5	1272.3	895.9	594.6	356.5	222.8	132.8	77.9	55.3
22.5°	3164.7	2438.5	1882.4	1419.0	1022.7	689.9	425.6	266.8	160.2	91.8	58.9
20°	3561.3	2675.1	2053.8	1603.0	1160.5	797.2	505.3	310.4	186.3	106.2	62.4
17.5°	3950.5	2978.2	2303.1	1790.8	1308.0	897.5	579.8	353.4	210.9	120.9	66.0
15°	4299.5	3325.5	2548.3	1968.5	1452.4	990.3	648.7	395.1	233.9	135.7	70.6
12.5°	4592.6	3624.8	2779.0	2134.8	1591.5	1075.1	711.7	435.1	255.2	152.2	76.9
10°	4834.7	3878.0	2993.0	2288.3	1722.8	1151.4	768.4	475.1	280.1	169.6	83.6
7.5°	5028.2	4087.2	3187.7	2427.9	1842.1	1222.7	829.4	517.3	304.2	186.1	90.4
5°	5173.7	4250.4	3338.2	2527.9	1936.9	1288.2	885.7	556.0	326.6	201.6	97.1
2.5°	5268.2	4370.5	3449.8	2606.3	2014.1	1343.4	935.1	590.8	347.1	215.8	103.6
0°	5323.9	4456.4	3534.1	2666.5	2073.0	1388.1	977.1	621.0	365.3	228.3	109.6
-2.5°	5373.7	4512.7	3607.8	2771.6	2113.4	1461.4	1004.0	648.2	394.1	237.4	120.7
-5°	5390.2	4537.5	3655.9	2852.5	2137.8	1520.7	1022.8	670.4	419.4	244.7	130.9
-7.5°	5362.4	4522.6	3672.9	2898.6	2149.2	1562.6	1033.8	687.8	440.0	250.4	139.9
-10°	5300.6	4473.6	3650.6	2884.7	2164.7	1575.8	1040.1	700.6	455.0	254.6	147.2
-12.5°	5209.0	4399.7	3602.6	2854.0	2162.0	1567.4	1057.3	710.6	462.8	257.5	152.7
-15°	5089.1	4303.0	3529.2	2808.8	2136.1	1548.5	1061.6	714.2	461.9	262.8	156.0
-17.5°	4947.8	4185.7	3430.8	2751.1	2085.5	1520.2	1052.0	709.8	457.3	270.7	159.4
-20°	4806.4	4055.4	3314.2	2683.0	2009.1	1483.3	1027.6	696.7	448.9	275.8	162.7



REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	4640.7	3905.8	3213.5	2588.0	1926.4	1438.8	987.6	674.6	436.9	278.0	164.1
-25°	4450.2	3731.0	3092.3	2457.4	1861.3	1388.5	946.3	643.0	421.4	277.2	163.6
-27.5°	4234.9	3544.5	2949.6	2314.2	1793.5	1318.4	907.0	619.9	408.2	273.3	161.1
-30°	3994.7	3368.7	2779.0	2176.6	1710.8	1242.5	855.8	594.0	402.2	268.2	156.7
-32.5°	3735.7	3170.8	2595.6	2071.8	1616.7	1163.7	810.5	564.7	392.2	261.7	156.9
-35°	3492.8	2955.5	2408.4	1950.7	1517.0	1117.1	780.2	532.2	378.1	252.6	157.8
-37.5°	3232.8	2729.7	2260.2	1824.5	1412.0	1063.5	755.7	517.6	359.7	241.0	157.2
-40°	2982.5	2515.6	2088.6	1704.3	1334.2	1003.2	717.2	501.4	342.2	226.7	155.1
-42.5°	2729.3	2314.3	1924.5	1573.4	1260.8	944.8	667.8	476.5	328.0	218.6	151.5
-45°	2496.1	2106.4	1750.0	1459.3	1179.3	870.1	629.7	445.3	310.6	212.7	148.2
-47.5°	2251.1	1894.7	1590.4	1334.3	1072.7	789.0	581.5	420.7	289.6	205.0	146.1
-50°	1998.2	1694.3	1441.2	1197.0	942.3	721.2	529.8	391.3	282.0	199.0	142.5
-52.5°	1776.9	1518.1	1288.6	1055.8	843.8	642.0	490.6	359.9	272.1	193.8	137.5
-55°	1586.3	1350.6	1138.2	940.1	750.0	583.7	446.2	344.9	259.7	187.5	131.3
-57.5°	1417.9	1195.4	1014.9	836.9	671.7	527.5	415.0	327.1	246.7	178.7	125.8
-60°	1254.1	1071.5	902.7	744.1	598.6	479.1	390.7	306.6	231.4	167.5	119.6
-62.5°	1102.7	941.9	795.1	651.7	533.2	439.7	362.8	282.7	213.1	153.6	111.5
-65°	943.9	807.0	682.8	570.3	473.7	393.5	326.7	255.6	189.2	136.8	101.0
-67.5°	778.9	678.4	581.5	487.7	408.8	341.5	285.2	219.7	161.0	117.4	88.6
-70°	648.7	560.2	478.1	404.5	340.2	285.2	233.1	177.5	129.9	100.6	75.5
-72.5°	516.4	444.2	377.0	318.4	272.5	225.8	178.4	135.8	107.7	83.0	61.8
-75°	382.2	333.4	289.6	248.9	207.6	166.7	136.0	108.0	84.8	64.6	52.1
-77.5°	277.3	242.1	209.8	184.1	155.7	128.5	102.7	79.3	64.3	53.6	43.8
-80°	188.5	169.9	152.1	134.0	111.2	89.6	74.1	61.0	51.8	43.2	35.3
-82.5°	118.7	108.8	100.0	90.9	77.6	65.6	55.0	46.0	39.0	32.6	28.6
-85°	70.4	65.2	60.0	54.9	47.5	41.0	37.8	35.0	32.0	29.0	26.0
-87.5°	39.8	39.2	38.5	37.9	36.0	34.2	32.7	31.2	28.6	25.9	23.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.5	6.8

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CATALOG NUMBER: GFLD-SA5E-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	18.3	16.0	13.7	11.4	9.1	9.1	9.1
87.5°	6.7	7.6	8.3	8.8	9.1	9.1	9.1
85°	4.4	6.2	7.5	8.5	9.1	9.1	9.1
82.5°	2.1	4.7	6.8	8.2	9.1	9.1	9.1
80°	0.5	3.4	6.0	8.0	9.1	9.1	9.1
77.5°	2.8	3.0	5.4	7.7	9.1	9.1	9.1
75°	5.1	4.5	5.0	7.5	9.1	9.1	9.1
72.5°	7.3	5.9	5.8	7.3	9.1	9.1	9.1
70°	9.1	7.2	6.5	7.3	9.1	9.1	9.1
67.5°	9.4	8.5	7.3	7.6	9.1	9.1	9.1
65°	9.7	9.4	7.9	7.9	9.1	9.1	9.1
62.5°	10.2	10.1	8.5	8.2	9.1	9.1	9.1
60°	10.8	10.9	9.1	8.4	9.1	9.1	9.1
57.5°	13.0	11.8	10.0	8.6	9.2	9.1	9.1
55°	15.3	12.8	10.9	8.8	9.3	9.1	9.1
52.5°	17.6	14.0	11.9	8.9	9.5	9.1	9.1
50°	19.8	15.9	12.9	9.0	9.7	9.1	9.1
47.5°	22.0	17.7	14.0	9.3	9.9	9.1	9.1
45°	24.2	19.5	15.1	10.2	10.2	9.1	9.1
42.5°	26.3	21.2	16.2	11.0	10.5	9.1	9.1
40°	28.3	22.9	17.5	12.1	10.8	9.1	9.1
37.5°	30.3	24.5	18.8	13.3	11.2	9.1	9.1
35°	32.2	26.1	20.1	14.5	11.6	9.1	9.1
32.5°	34.3	27.7	21.3	15.7	12.0	9.1	9.1
30°	37.0	29.1	22.4	16.8	12.5	9.1	9.1
27.5°	39.7	30.5	23.9	17.9	12.9	9.1	9.1
25°	42.4	31.9	25.3	19.0	13.4	9.1	9.1
22.5°	45.1	33.3	26.7	20.0	13.9	9.1	9.1
20°	47.7	34.9	28.0	21.0	14.4	9.1	9.1
17.5°	50.3	36.5	29.3	22.0	14.9	9.1	9.1
15°	52.9	38.1	30.5	22.9	15.4	9.1	9.1
12.5°	55.2	39.5	31.7	23.8	16.0	9.1	9.1
10°	57.3	40.9	32.7	24.6	16.5	9.1	9.1
7.5°	59.3	42.3	33.8	25.4	17.0	9.1	9.1
5°	61.0	43.5	34.8	26.1	17.4	9.1	9.1
2.5°	62.6	44.6	35.7	26.8	17.9	9.1	9.1
0°	63.9	45.7	36.5	27.4	18.3	9.1	9.1
-2.5°	67.4	46.7	37.3	27.4	18.3	9.1	9.1
-5°	70.7	47.5	38.0	27.3	18.2	9.1	9.1
-7.5°	73.5	48.3	38.5	27.2	18.1	9.1	9.1
-10°	75.9	49.0	39.0	27.0	18.0	9.1	9.1
-12.5°	77.7	49.6	39.3	26.7	17.9	9.1	9.1
-15°	78.8	50.1	39.4	26.5	17.7	9.1	9.1
-17.5°	79.2	50.5	39.3	26.1	17.4	9.1	9.1
-20°	81.2	50.8	39.1	25.7	17.2	9.1	9.1

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REPORT NUMBER: P627780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-750-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	86.5	51.0	38.6	25.3	16.9	9.1	9.1
-25°	90.7	54.4	37.9	24.8	16.6	9.1	9.1
-27.5°	94.1	58.6	37.0	24.3	16.2	9.1	9.1
-30°	96.3	62.3	36.1	23.7	15.8	9.1	9.1
-32.5°	97.6	65.3	37.4	23.1	15.4	9.1	9.1
-35°	100.2	67.7	38.4	22.4	15.0	9.1	9.1
-37.5°	102.9	69.2	39.0	21.7	14.5	9.1	9.1
-40°	104.5	69.7	39.3	21.0	14.0	9.1	9.1
-42.5°	105.1	69.7	39.6	20.6	13.5	9.1	9.1
-45°	104.5	69.2	39.8	20.7	12.9	9.1	9.1
-47.5°	103.0	68.2	39.5	20.5	12.3	9.1	9.1
-50°	100.8	66.6	38.8	20.3	11.7	9.1	9.1
-52.5°	98.0	64.5	37.6	19.9	11.1	9.1	9.1
-55°	94.5	61.9	36.0	19.3	10.4	9.1	9.1
-57.5°	90.3	58.5	34.0	18.6	9.8	9.1	9.1
-60°	85.4	54.6	31.6	17.8	9.1	9.1	9.1
-62.5°	78.5	49.9	29.9	16.8	9.1	9.1	9.1
-65°	70.7	44.7	27.9	15.7	9.1	9.1	9.1
-67.5°	62.2	40.2	25.8	14.5	9.1	9.1	9.1
-70°	53.0	36.5	23.4	13.2	9.1	9.1	9.1
-72.5°	46.8	32.6	20.9	12.8	9.1	9.1	9.1
-75°	40.7	28.4	18.2	12.8	9.1	9.1	9.1
-77.5°	34.4	24.0	17.2	12.6	9.1	9.1	9.1
-80°	27.8	21.6	16.6	12.4	9.1	9.1	9.1
-82.5°	25.1	20.3	15.9	12.2	9.1	9.1	9.1
-85°	22.9	18.9	15.2	12.0	9.1	9.1	9.1
-87.5°	20.6	17.5	14.5	11.7	9.1	9.1	9.1
-90°	9.1	9.1	9.1	9.1	9.1	9.1	9.1

(END OF REPORT)