

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: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-722-U-WR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5C-722-U-WR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N109  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

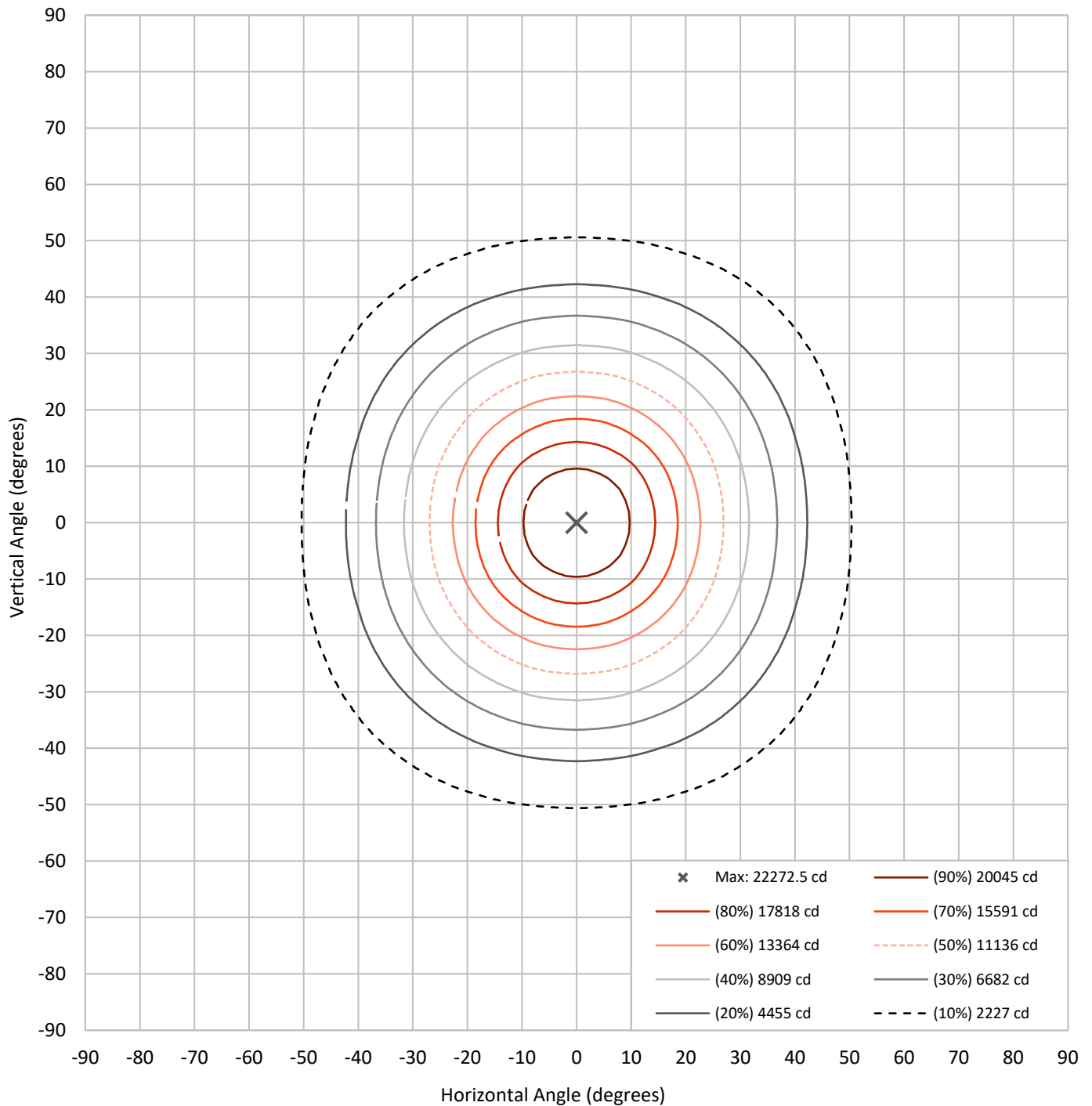
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	22668.2 lumens	Max Intensity:	22272.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	10838.6 lumens	Field Lumens:	20005.5 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	206.1		
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





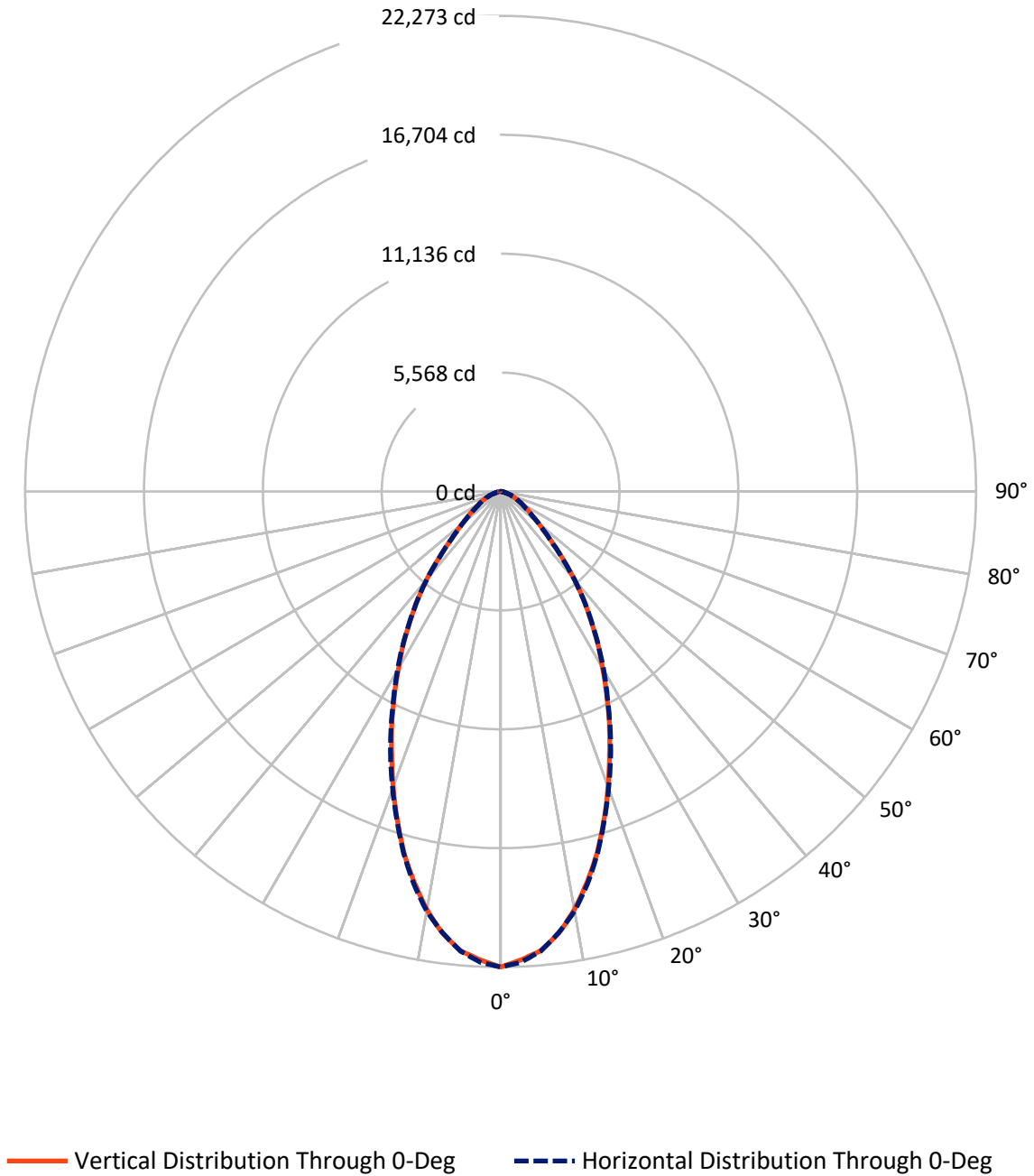
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### Lumen Table

90																			
80	0.9	6.3		14.3		23.7		20.3		23.7		14.3		6.3		0.9			
70																			
60	2.9	3.4	6.5	10.4	15.1	19.6	23.0	24.7	24.7	23.0	19.6	15.1	10.4	6.5	3.4	2.9			
50		4.9	9.8	17.0	26.1	35.9	44.8	49.9	49.9	44.8	35.9	26.1	17.0	9.8	4.9				
40	4.3	6.2	13.6	25.4	42.8	65.8	90.7	107.3	107.3	90.7	65.8	42.8	25.4	13.6	6.2	4.3			
30		7.6	17.8	36.9	71.8	127.6	185.3	219.9	219.9	185.3	127.6	71.8	36.9	17.8	7.6				
20	5.1	8.9	22.2	51.7	116.1	208.8	298.7	357.1	357.1	298.7	208.8	116.1	51.7	22.2	8.9	5.1			
10		9.8	26.0	67.0	158.5	281.9	416.2	512.1	512.1	416.2	281.9	158.5	67.0	26.0	9.8				
0	5.4	10.3	28.2	76.9	182.5	327.8	498.8	627.2	627.2	498.8	327.8	182.5	76.9	28.2	10.3	5.4			
-10		10.3	28.2	76.9	182.5	327.8	498.8	627.2	627.2	498.8	327.8	182.5	76.9	28.2	10.3				
-20	5.1	9.8	26.0	67.0	158.5	281.9	416.2	512.1	512.1	416.2	281.9	158.5	67.0	26.0	9.8	5.1			
-30		8.9	22.2	51.7	116.1	208.8	298.7	357.1	357.1	298.7	208.8	116.1	51.7	22.2	8.9				
-40	4.3	7.6	17.8	36.9	71.8	127.6	185.3	219.9	219.9	185.3	127.6	71.8	36.9	17.8	7.6	4.3			
-50		6.2	13.6	25.4	42.8	65.8	90.7	107.3	107.3	90.7	65.8	42.8	25.4	13.6	6.2				
-60	2.9	4.9	9.8	17.0	26.1	35.9	44.8	49.9	49.9	44.8	35.9	26.1	17.0	9.8	4.9	2.9			
-70		3.4	6.5	10.4	15.1	19.6	23.0	24.7	24.7	23.0	19.6	15.1	10.4	6.5	3.4				
-80																			
-90	0.9	6.3		14.3		23.7		20.3		23.7		14.3		6.3		0.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

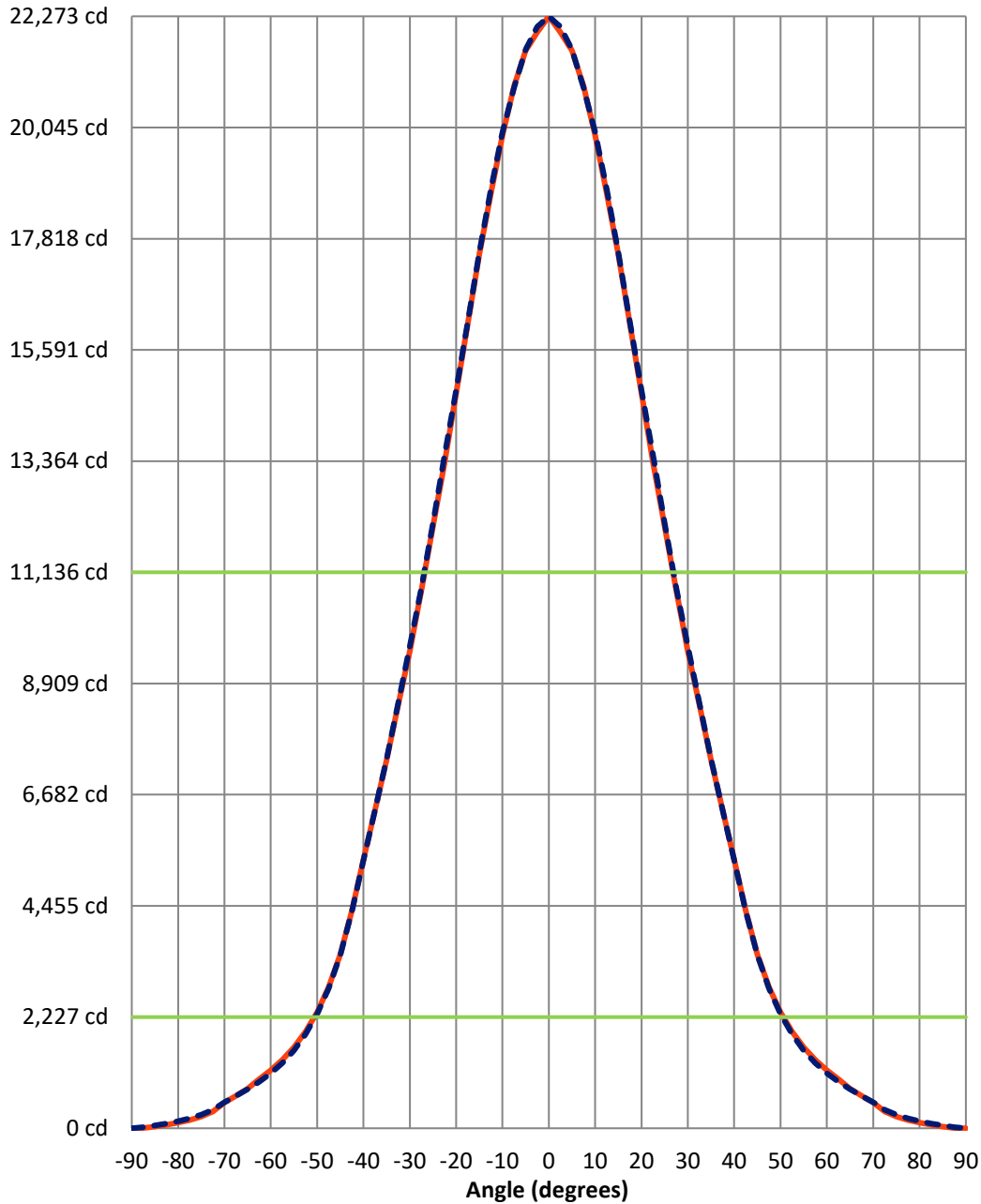
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.8°  
 V Angle: 53.6°  
 Lumens: 10838.6  
 Efficiency: 47.8%

**Field:**  
 H Angle: 100.8°  
 V Angle: 101.2°  
 Lumens: 20005.5  
 Efficiency: 88.3%

**Spill:**  
 Lumens: 2662.7  
 Efficiency: 11.7%

- 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	1.1	2.6	4.3	6.1	8.3	10.6	11.7	12.7	13.4	14.0
85°	0.0	2.3	5.2	8.5	12.3	16.5	21.1	23.4	25.3	26.8	28.0
82.5°	0.0	3.4	7.8	12.7	18.3	24.6	31.6	35.1	38.8	44.9	50.4
80°	0.0	4.5	10.3	16.9	24.4	32.7	42.9	53.3	62.4	70.5	77.7
77.5°	0.0	5.6	12.8	21.0	30.3	42.5	61.2	74.7	86.0	96.1	106.1
75°	0.0	6.7	15.3	25.1	36.7	55.6	79.1	96.1	109.6	123.3	137.9
72.5°	0.0	7.7	17.7	29.0	45.4	68.3	96.3	117.0	133.3	150.7	169.3
70°	0.0	8.8	20.1	33.2	53.9	80.5	112.7	136.8	156.5	177.7	202.6
67.5°	0.0	9.8	22.4	38.3	62.0	92.1	126.9	156.1	179.3	205.6	235.5
65°	0.0	10.8	24.6	43.3	69.7	102.8	140.4	175.1	201.9	232.5	266.6
62.5°	0.0	11.8	26.8	48.0	76.9	112.6	153.2	193.0	223.5	258.3	295.6
60°	0.0	12.7	28.8	52.4	83.7	121.7	165.1	210.0	244.1	283.3	323.7
57.5°	0.0	13.6	31.3	56.5	90.0	130.3	175.9	225.4	264.9	307.4	349.5
55°	0.0	14.5	33.7	60.3	95.8	138.2	185.9	237.6	285.3	330.5	374.3
52.5°	0.0	15.3	36.0	63.7	101.2	145.4	195.0	250.9	304.9	352.5	398.5
50°	0.0	16.1	38.3	66.9	106.1	152.0	203.3	263.4	323.8	374.0	425.1
47.5°	0.0	16.8	40.4	69.8	110.5	158.0	211.0	274.7	342.4	394.9	451.1
45°	0.0	17.5	42.4	72.6	114.3	163.3	219.6	284.9	355.8	417.5	476.3
42.5°	0.0	18.2	44.3	75.1	117.6	167.9	227.3	295.0	368.1	439.3	502.4
40°	0.0	18.8	46.0	77.8	120.6	171.8	234.1	304.7	380.2	459.6	527.6
37.5°	0.0	19.4	47.7	80.7	123.3	175.0	239.8	313.5	393.4	475.5	551.6
35°	0.0	19.9	49.2	83.2	125.5	178.5	244.6	321.3	406.1	493.1	576.1
32.5°	0.0	20.3	50.6	85.6	127.2	181.9	249.0	328.2	418.2	510.9	601.1
30°	0.0	20.8	51.9	87.7	128.3	184.6	253.9	334.9	429.7	529.0	624.8
27.5°	0.0	21.1	53.0	89.6	131.1	186.4	257.9	343.1	441.6	547.0	646.9
25°	0.0	21.5	54.0	91.2	133.7	187.5	261.0	350.6	454.9	564.8	667.5
22.5°	0.0	21.7	54.9	92.6	136.0	189.0	263.2	357.1	467.7	581.0	690.1
20°	0.0	21.9	55.7	93.7	138.0	192.4	264.5	362.6	479.7	595.6	710.4
17.5°	0.0	22.1	56.3	94.6	139.7	195.3	267.5	367.1	490.7	608.5	728.2
15°	0.0	22.2	56.7	95.3	141.1	197.5	271.1	371.3	500.6	619.7	743.4
12.5°	0.0	22.3	57.1	95.7	142.0	199.1	273.6	375.1	509.1	628.9	756.1
10°	0.0	22.3	57.3	95.9	142.7	200.1	275.2	377.2	515.6	636.6	766.4
7.5°	0.0	22.3	57.3	95.9	143.0	200.5	275.9	377.6	520.2	642.6	774.5
5°	0.0	22.3	57.3	95.6	142.9	200.3	275.6	376.5	522.7	646.7	779.8
2.5°	0.0	22.2	57.0	95.1	142.5	199.6	274.4	373.9	523.0	648.7	782.4
0°	0.0	22.0	56.7	94.4	141.7	198.3	272.3	369.9	521.0	648.5	782.3
-2.5°	0.0	22.2	57.0	95.1	142.5	199.6	274.4	373.9	523.0	648.7	782.4
-5°	0.0	22.3	57.3	95.6	142.9	200.3	275.6	376.5	522.7	646.7	779.8
-7.5°	0.0	22.3	57.3	95.9	143.0	200.5	275.9	377.6	520.2	642.6	774.5
-10°	0.0	22.3	57.3	95.9	142.7	200.1	275.2	377.2	515.6	636.6	766.4
-12.5°	0.0	22.3	57.1	95.7	142.0	199.1	273.6	375.1	509.1	628.9	756.1
-15°	0.0	22.2	56.7	95.3	141.1	197.5	271.1	371.3	500.6	619.7	743.4
-17.5°	0.0	22.1	56.3	94.6	139.7	195.3	267.5	367.1	490.7	608.5	728.2
-20°	0.0	21.9	55.7	93.7	138.0	192.4	264.5	362.6	479.7	595.6	710.4

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	21.7	54.9	92.6	136.0	189.0	263.2	357.1	467.7	581.0	690.1
-25°	0.0	21.5	54.0	91.2	133.7	187.5	261.0	350.6	454.9	564.8	667.5
-27.5°	0.0	21.1	53.0	89.6	131.1	186.4	257.9	343.1	441.6	547.0	646.9
-30°	0.0	20.8	51.9	87.7	128.3	184.6	253.9	334.9	429.7	529.0	624.8
-32.5°	0.0	20.3	50.6	85.6	127.2	181.9	249.0	328.2	418.2	510.9	601.1
-35°	0.0	19.9	49.2	83.2	125.5	178.5	244.6	321.3	406.1	493.1	576.1
-37.5°	0.0	19.4	47.7	80.7	123.3	175.0	239.8	313.5	393.4	475.5	551.6
-40°	0.0	18.8	46.0	77.8	120.6	171.8	234.1	304.7	380.2	459.6	527.6
-42.5°	0.0	18.2	44.3	75.1	117.6	167.9	227.3	295.0	368.1	439.3	502.4
-45°	0.0	17.5	42.4	72.6	114.3	163.3	219.6	284.9	355.8	417.5	476.3
-47.5°	0.0	16.8	40.4	69.8	110.5	158.0	211.0	274.7	342.4	394.9	451.1
-50°	0.0	16.1	38.3	66.9	106.1	152.0	203.3	263.4	323.8	374.0	425.1
-52.5°	0.0	15.3	36.0	63.7	101.2	145.4	195.0	250.9	304.9	352.5	398.5
-55°	0.0	14.5	33.7	60.3	95.8	138.2	185.9	237.6	285.3	330.5	374.3
-57.5°	0.0	13.6	31.3	56.5	90.0	130.3	175.9	225.4	264.9	307.4	349.5
-60°	0.0	12.7	28.8	52.4	83.7	121.7	165.1	210.0	244.1	283.3	323.7
-62.5°	0.0	11.8	26.8	48.0	76.9	112.6	153.2	193.0	223.5	258.3	295.6
-65°	0.0	10.8	24.6	43.3	69.7	102.8	140.4	175.1	201.9	232.5	266.6
-67.5°	0.0	9.8	22.4	38.3	62.0	92.1	126.9	156.1	179.3	205.6	235.5
-70°	0.0	8.8	20.1	33.2	53.9	80.5	112.7	136.8	156.5	177.7	202.6
-72.5°	0.0	7.7	17.7	29.0	45.4	68.3	96.3	117.0	133.3	150.7	169.3
-75°	0.0	6.7	15.3	25.1	36.7	55.6	79.1	96.1	109.6	123.3	137.9
-77.5°	0.0	5.6	12.8	21.0	30.3	42.5	61.2	74.7	86.0	96.1	106.1
-80°	0.0	4.5	10.3	16.9	24.4	32.7	42.9	53.3	62.4	70.5	77.7
-82.5°	0.0	3.4	7.8	12.7	18.3	24.6	31.6	35.1	38.8	44.9	50.4
-85°	0.0	2.3	5.2	8.5	12.3	16.5	21.1	23.4	25.3	26.8	28.0
-87.5°	0.0	1.1	2.6	4.3	6.1	8.3	10.6	11.7	12.7	13.4	14.0
-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°	14.2	14.2	14.0	13.5	12.9	12.2	11.2	10.1	10.5	10.9	11.3
85°	28.4	28.4	30.7	32.9	33.9	34.1	33.4	32.0	36.1	40.9	45.9
82.5°	55.4	60.2	64.8	69.0	69.5	68.4	66.3	63.8	72.2	82.4	93.0
80°	84.9	92.0	100.2	107.8	109.6	108.9	106.5	102.6	113.7	129.4	146.3
77.5°	117.9	129.1	139.6	149.3	152.1	151.7	149.9	146.8	160.9	182.6	205.3
75°	152.6	166.2	179.8	191.6	196.7	197.1	196.6	199.9	218.5	243.9	266.4
72.5°	188.8	206.2	221.4	234.5	242.7	248.9	257.2	267.3	286.0	311.0	333.0
70°	227.1	246.4	262.5	277.0	289.5	303.1	320.5	337.8	357.5	382.5	405.4
67.5°	264.9	284.5	302.6	320.4	343.2	365.0	386.6	409.2	434.2	460.4	483.5
65°	300.0	322.0	344.2	370.0	399.6	424.3	451.1	480.4	513.1	542.6	569.4
62.5°	333.5	358.5	385.8	417.1	449.1	480.1	515.9	553.7	591.8	628.8	665.5
60°	361.9	393.0	426.2	461.5	498.5	540.6	582.6	627.5	673.1	717.6	763.0
57.5°	389.2	427.6	465.9	507.0	553.1	601.2	651.6	702.2	756.7	810.6	862.2
55°	417.6	462.7	506.3	555.0	607.8	664.3	721.3	782.6	842.9	910.7	973.4
52.5°	447.9	497.0	548.2	603.9	665.6	729.3	796.1	866.4	941.5	1016.9	1093.4
50°	477.4	532.7	589.7	656.4	725.3	798.1	875.4	957.3	1044.6	1131.9	1224.5
47.5°	508.2	567.3	636.9	709.3	788.3	871.2	958.7	1056.1	1153.1	1263.0	1369.2
45°	538.7	606.6	682.1	766.3	853.0	946.4	1050.4	1157.3	1281.2	1405.3	1544.9
42.5°	567.9	646.2	731.4	821.4	920.1	1027.4	1142.5	1277.0	1416.6	1570.3	1734.1
40°	601.4	684.1	780.1	880.7	987.7	1110.3	1248.8	1398.1	1568.4	1750.5	1936.5
37.5°	633.9	726.8	828.1	937.2	1061.4	1199.5	1352.4	1535.4	1731.9	1938.9	2192.0
35°	664.5	767.5	877.6	997.1	1131.6	1291.6	1474.5	1676.7	1903.1	2170.1	2465.4
32.5°	696.9	806.1	924.2	1058.3	1210.6	1385.4	1593.1	1831.1	2099.1	2403.1	2772.6
30°	729.6	845.7	970.6	1115.7	1285.0	1487.4	1723.4	1986.4	2294.7	2676.0	3109.8
27.5°	759.9	882.8	1019.5	1176.4	1357.5	1581.4	1848.5	2156.9	2520.0	2951.0	3457.8
25°	787.6	916.5	1064.5	1234.3	1437.4	1682.9	1972.6	2314.0	2745.6	3259.5	3882.9
22.5°	814.1	947.3	1105.2	1286.4	1509.3	1781.2	2107.1	2497.9	2975.0	3551.7	4299.3
20°	838.9	980.5	1145.6	1336.2	1573.6	1869.9	2230.9	2669.6	3212.4	3895.2	4707.7
17.5°	860.7	1009.8	1183.8	1390.0	1645.3	1960.1	2347.6	2821.1	3423.9	4202.0	5084.5
15°	879.5	1035.0	1216.9	1436.6	1709.8	2049.7	2470.2	2987.4	3644.4	4481.0	5415.3
12.5°	895.1	1056.2	1244.7	1475.9	1764.1	2125.4	2574.8	3135.5	3859.2	4743.7	5705.7
10°	907.6	1073.1	1267.1	1507.5	1807.8	2187.0	2661.0	3256.7	4037.9	4969.0	5951.5
7.5°	917.9	1086.4	1284.2	1531.6	1840.9	2233.9	2728.1	3350.2	4177.6	5147.3	6140.1
5°	925.3	1095.9	1297.2	1548.3	1865.1	2266.7	2775.1	3415.6	4276.9	5276.5	6269.0
2.5°	929.5	1101.1	1304.7	1557.3	1880.0	2285.3	2799.7	3456.6	4331.6	5350.3	6347.0
0°	930.3	1101.9	1306.5	1558.4	1884.2	2288.8	2803.5	3469.4	4343.1	5369.4	6375.3
-2.5°	929.5	1101.1	1304.7	1557.3	1880.0	2285.3	2799.7	3456.6	4331.6	5350.3	6347.0
-5°	925.3	1095.9	1297.2	1548.3	1865.1	2266.7	2775.1	3415.6	4276.9	5276.5	6269.0
-7.5°	917.9	1086.4	1284.2	1531.6	1840.9	2233.9	2728.1	3350.2	4177.6	5147.3	6140.1
-10°	907.6	1073.1	1267.1	1507.5	1807.8	2187.0	2661.0	3256.7	4037.9	4969.0	5951.5
-12.5°	895.1	1056.2	1244.7	1475.9	1764.1	2125.4	2574.8	3135.5	3859.2	4743.7	5705.7
-15°	879.5	1035.0	1216.9	1436.6	1709.8	2049.7	2470.2	2987.4	3644.4	4481.0	5415.3
-17.5°	860.7	1009.8	1183.8	1390.0	1645.3	1960.1	2347.6	2821.1	3423.9	4202.0	5084.5
-20°	838.9	980.5	1145.6	1336.2	1573.6	1869.9	2230.9	2669.6	3212.4	3895.2	4707.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	814.1	947.3	1105.2	1286.4	1509.3	1781.2	2107.1	2497.9	2975.0	3551.7	4299.3
-25°	787.6	916.5	1064.5	1234.3	1437.4	1682.9	1972.6	2314.0	2745.6	3259.5	3882.9
-27.5°	759.9	882.8	1019.5	1176.4	1357.5	1581.4	1848.5	2156.9	2520.0	2951.0	3457.8
-30°	729.6	845.7	970.6	1115.7	1285.0	1487.4	1723.4	1986.4	2294.7	2676.0	3109.8
-32.5°	696.9	806.1	924.2	1058.3	1210.6	1385.4	1593.1	1831.1	2099.1	2403.1	2772.6
-35°	664.5	767.5	877.6	997.1	1131.6	1291.6	1474.5	1676.7	1903.1	2170.1	2465.4
-37.5°	633.9	726.8	828.1	937.2	1061.4	1199.5	1352.4	1535.4	1731.9	1938.9	2192.0
-40°	601.4	684.1	780.1	880.7	987.7	1110.3	1248.8	1398.1	1568.4	1750.5	1936.5
-42.5°	567.9	646.2	731.4	821.4	920.1	1027.4	1142.5	1277.0	1416.6	1570.3	1734.1
-45°	538.7	606.6	682.1	766.3	853.0	946.4	1050.4	1157.3	1281.2	1405.3	1544.9
-47.5°	508.2	567.3	636.9	709.3	788.3	871.2	958.7	1056.1	1153.1	1263.0	1369.2
-50°	477.4	532.7	589.7	656.4	725.3	798.1	875.4	957.3	1044.6	1131.9	1224.5
-52.5°	447.9	497.0	548.2	603.9	665.6	729.3	796.1	866.4	941.5	1016.9	1093.4
-55°	417.6	462.7	506.3	555.0	607.8	664.3	721.3	782.6	842.9	910.7	973.4
-57.5°	389.2	427.6	465.9	507.0	553.1	601.2	651.6	702.2	756.7	810.6	862.2
-60°	361.9	393.0	426.2	461.5	498.5	540.6	582.6	627.5	673.1	717.6	763.0
-62.5°	333.5	358.5	385.8	417.1	449.1	480.1	515.9	553.7	591.8	628.8	665.5
-65°	300.0	322.0	344.2	370.0	399.6	424.3	451.1	480.4	513.1	542.6	569.4
-67.5°	264.9	284.5	302.6	320.4	343.2	365.0	386.6	409.2	434.2	460.4	483.5
-70°	227.1	246.4	262.5	277.0	289.5	303.1	320.5	337.8	357.5	382.5	405.4
-72.5°	188.8	206.2	221.4	234.5	242.7	248.9	257.2	267.3	286.0	311.0	333.0
-75°	152.6	166.2	179.8	191.6	196.7	197.1	196.6	199.9	218.5	243.9	266.4
-77.5°	117.9	129.1	139.6	149.3	152.1	151.7	149.9	146.8	160.9	182.6	205.3
-80°	84.9	92.0	100.2	107.8	109.6	108.9	106.5	102.6	113.7	129.4	146.3
-82.5°	55.4	60.2	64.8	69.0	69.5	68.4	66.3	63.8	72.2	82.4	93.0
-85°	28.4	28.4	30.7	32.9	33.9	34.1	33.4	32.0	36.1	40.9	45.9
-87.5°	14.2	14.2	14.0	13.5	12.9	12.2	11.2	10.1	10.5	10.9	11.3
-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: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-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°	11.6	11.3	10.9	10.5	10.0	9.8	9.6	9.3	9.1	8.4	7.7
85°	51.2	52.3	53.0	53.3	53.3	55.0	56.6	58.1	59.3	53.8	47.7
82.5°	104.1	109.0	113.3	117.5	121.7	124.6	126.8	128.4	129.5	117.2	103.4
80°	163.8	174.1	182.6	190.7	198.5	200.4	200.4	199.3	197.2	180.4	161.4
77.5°	227.9	241.3	252.0	262.5	273.0	276.8	278.6	280.0	281.0	260.3	234.7
75°	285.9	301.9	316.9	330.8	343.5	350.3	354.3	357.6	360.1	339.2	311.8
72.5°	352.2	369.1	385.3	400.6	414.2	423.2	429.0	433.9	437.6	425.7	408.6
70°	425.0	442.6	459.6	475.6	490.9	503.0	512.5	520.7	527.5	528.8	528.2
67.5°	505.9	526.6	546.9	564.3	582.5	599.5	614.5	626.9	636.9	643.5	647.1
65°	596.6	627.8	655.5	679.0	698.6	721.4	741.4	756.8	767.6	775.8	782.8
62.5°	703.6	741.3	773.0	804.3	836.7	868.1	887.7	907.4	926.7	944.9	960.4
60°	806.5	847.9	890.8	930.8	967.9	1002.0	1037.2	1068.4	1095.8	1118.6	1135.7
57.5°	916.2	966.6	1015.4	1066.2	1114.0	1158.6	1202.1	1242.3	1277.1	1306.3	1330.2
55°	1035.3	1096.9	1154.9	1219.4	1281.9	1338.9	1391.3	1445.1	1493.6	1536.3	1570.1
52.5°	1163.6	1243.8	1320.6	1396.3	1477.3	1550.4	1615.9	1690.4	1756.6	1811.2	1853.8
50°	1316.9	1411.1	1512.5	1606.3	1708.5	1809.1	1901.9	1991.8	2079.7	2155.7	2217.2
47.5°	1491.4	1607.3	1732.9	1857.3	1984.2	2121.7	2244.5	2358.6	2481.5	2588.2	2673.8
45°	1685.4	1833.1	1984.9	2159.7	2320.8	2497.5	2661.1	2808.1	2982.3	3135.9	3259.5
42.5°	1900.6	2097.4	2297.0	2517.2	2730.9	2955.3	3193.7	3405.1	3636.2	3856.6	4034.7
40°	2167.3	2402.6	2669.9	2936.4	3243.2	3531.4	3878.6	4194.1	4480.7	4743.5	4958.8
37.5°	2463.7	2766.6	3102.4	3449.6	3869.4	4280.8	4687.2	5070.9	5409.6	5697.3	5938.5
35°	2800.2	3185.1	3591.8	4098.7	4590.5	5083.2	5542.3	5961.7	6330.1	6654.6	6930.5
32.5°	3187.3	3649.2	4218.5	4788.0	5349.0	5891.5	6395.5	6852.9	7257.0	7621.3	7938.6
30°	3594.2	4224.5	4863.5	5488.3	6100.9	6695.2	7248.4	7752.2	8208.7	8614.3	8979.9
27.5°	4111.4	4809.8	5506.6	6180.1	6854.1	7504.5	8104.0	8663.6	9187.5	9645.9	10063.9
25°	4611.6	5383.2	6123.8	6858.2	7591.9	8290.2	8960.5	9592.6	10192.6	10718.8	11185.3
22.5°	5111.6	5919.3	6710.8	7500.4	8288.5	9067.0	9819.6	10543.8	11214.9	11814.0	12339.2
20°	5574.8	6419.1	7265.5	8116.7	8971.1	9823.2	10668.5	11483.5	12231.1	12922.8	13530.6
17.5°	5990.0	6888.0	7785.4	8695.8	9622.0	10547.1	11486.1	12399.8	13254.4	14041.4	14746.6
15°	6357.8	7294.8	8258.5	9241.0	10235.5	11240.3	12264.9	13287.1	14249.2	15143.1	15930.3
12.5°	6679.3	7653.4	8663.5	9707.5	10786.9	11881.4	12999.6	14120.2	15185.2	16217.3	17067.2
10°	6944.6	7958.5	9014.2	10111.1	11249.4	12427.4	13627.1	14833.3	16006.7	17101.5	18073.6
7.5°	7149.5	8201.3	9289.2	10430.1	11624.3	12866.6	14137.4	15417.4	16669.6	17849.3	18924.9
5°	7294.0	8378.1	9479.7	10666.4	11902.1	13189.5	14510.3	15844.2	17153.2	18393.6	19508.2
2.5°	7377.9	8484.3	9590.6	10810.0	12067.4	13384.8	14741.5	16097.4	17440.9	18727.4	19872.9
0°	7400.0	8516.1	9654.2	10825.4	12119.3	13476.2	14784.3	16144.4	17540.7	18809.4	19950.7
-2.5°	7377.9	8484.3	9590.6	10810.0	12067.4	13384.8	14741.5	16097.4	17440.9	18727.4	19872.9
-5°	7294.0	8378.1	9479.7	10666.4	11902.1	13189.5	14510.3	15844.2	17153.2	18393.6	19508.2
-7.5°	7149.5	8201.3	9289.2	10430.1	11624.3	12866.6	14137.4	15417.4	16669.6	17849.3	18924.9
-10°	6944.6	7958.5	9014.2	10111.1	11249.4	12427.4	13627.1	14833.3	16006.7	17101.5	18073.6
-12.5°	6679.3	7653.4	8663.5	9707.5	10786.9	11881.4	12999.6	14120.2	15185.2	16217.3	17067.2
-15°	6357.8	7294.8	8258.5	9241.0	10235.5	11240.3	12264.9	13287.1	14249.2	15143.1	15930.3
-17.5°	5990.0	6888.0	7785.4	8695.8	9622.0	10547.1	11486.1	12399.8	13254.4	14041.4	14746.6
-20°	5574.8	6419.1	7265.5	8116.7	8971.1	9823.2	10668.5	11483.5	12231.1	12922.8	13530.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5111.6	5919.3	6710.8	7500.4	8288.5	9067.0	9819.6	10543.8	11214.9	11814.0	12339.2
-25°	4611.6	5383.2	6123.8	6858.2	7591.9	8290.2	8960.5	9592.6	10192.6	10718.8	11185.3
-27.5°	4111.4	4809.8	5506.6	6180.1	6854.1	7504.5	8104.0	8663.6	9187.5	9645.9	10063.9
-30°	3594.2	4224.5	4863.5	5488.3	6100.9	6695.2	7248.4	7752.2	8208.7	8614.3	8979.9
-32.5°	3187.3	3649.2	4218.5	4788.0	5349.0	5891.5	6395.5	6852.9	7257.0	7621.3	7938.6
-35°	2800.2	3185.1	3591.8	4098.7	4590.5	5083.2	5542.3	5961.7	6330.1	6654.6	6930.5
-37.5°	2463.7	2766.6	3102.4	3449.6	3869.4	4280.8	4687.2	5070.9	5409.6	5697.3	5938.5
-40°	2167.3	2402.6	2669.9	2936.4	3243.2	3531.4	3878.6	4194.1	4480.7	4743.5	4958.8
-42.5°	1900.6	2097.4	2297.0	2517.2	2730.9	2955.3	3193.7	3405.1	3636.2	3856.6	4034.7
-45°	1685.4	1833.1	1984.9	2159.7	2320.8	2497.5	2661.1	2808.1	2982.3	3135.9	3259.5
-47.5°	1491.4	1607.3	1732.9	1857.3	1984.2	2121.7	2244.5	2358.6	2481.5	2588.2	2673.8
-50°	1316.9	1411.1	1512.5	1606.3	1708.5	1809.1	1901.9	1991.8	2079.7	2155.7	2217.2
-52.5°	1163.6	1243.8	1320.6	1396.3	1477.3	1550.4	1615.9	1690.4	1756.6	1811.2	1853.8
-55°	1035.3	1096.9	1154.9	1219.4	1281.9	1338.9	1391.3	1445.1	1493.6	1536.3	1570.1
-57.5°	916.2	966.6	1015.4	1066.2	1114.0	1158.6	1202.1	1242.3	1277.1	1306.3	1330.2
-60°	806.5	847.9	890.8	930.8	967.9	1002.0	1037.2	1068.4	1095.8	1118.6	1135.7
-62.5°	703.6	741.3	773.0	804.3	836.7	868.1	887.7	907.4	926.7	944.9	960.4
-65°	596.6	627.8	655.5	679.0	698.6	721.4	741.4	756.8	767.6	775.8	782.8
-67.5°	505.9	526.6	546.9	564.3	582.5	599.5	614.5	626.9	636.9	643.5	647.1
-70°	425.0	442.6	459.6	475.6	490.9	503.0	512.5	520.7	527.5	528.8	528.2
-72.5°	352.2	369.1	385.3	400.6	414.2	423.2	429.0	433.9	437.6	425.7	408.6
-75°	285.9	301.9	316.9	330.8	343.5	350.3	354.3	357.6	360.1	339.2	311.8
-77.5°	227.9	241.3	252.0	262.5	273.0	276.8	278.6	280.0	281.0	260.3	234.7
-80°	163.8	174.1	182.6	190.7	198.5	200.4	200.4	199.3	197.2	180.4	161.4
-82.5°	104.1	109.0	113.3	117.5	121.7	124.6	126.8	128.4	129.5	117.2	103.4
-85°	51.2	52.3	53.0	53.3	53.3	55.0	56.6	58.1	59.3	53.8	47.7
-87.5°	11.6	11.3	10.9	10.5	10.0	9.8	9.6	9.3	9.1	8.4	7.7
-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: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-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°	7.0	6.3	5.5	4.7	5.5	6.3	7.0	7.7	8.4	9.1	9.3
85°	41.2	34.4	33.8	33.1	33.8	34.4	41.2	47.7	53.8	59.3	58.1
82.5°	88.9	73.8	71.6	69.3	71.6	73.8	88.9	103.4	117.2	129.5	128.4
80°	141.6	121.1	117.1	113.3	117.1	121.1	141.6	161.4	180.4	197.2	199.3
77.5°	207.8	179.8	171.5	163.7	171.5	179.8	207.8	234.7	260.3	281.0	280.0
75°	283.3	253.8	243.9	234.5	243.9	253.8	283.3	311.8	339.2	360.1	357.6
72.5°	391.3	373.3	355.1	335.3	355.1	373.3	391.3	408.6	425.7	437.6	433.9
70°	527.6	526.4	521.8	514.7	521.8	526.4	527.6	528.2	528.8	527.5	520.7
67.5°	648.7	648.2	649.8	650.1	649.8	648.2	648.7	647.1	643.5	636.9	626.9
65°	787.2	788.7	792.0	793.4	792.0	788.7	787.2	782.8	775.8	767.6	756.8
62.5°	972.3	980.4	984.3	983.8	984.3	980.4	972.3	960.4	944.9	926.7	907.4
60°	1148.4	1156.8	1162.0	1163.3	1162.0	1156.8	1148.4	1135.7	1118.6	1095.8	1068.4
57.5°	1349.1	1362.8	1370.0	1371.1	1370.0	1362.8	1349.1	1330.2	1306.3	1277.1	1242.3
55°	1596.1	1614.1	1622.3	1621.4	1622.3	1614.1	1596.1	1570.1	1536.3	1493.6	1445.1
52.5°	1885.9	1908.0	1924.5	1934.6	1924.5	1908.0	1885.9	1853.8	1811.2	1756.6	1690.4
50°	2263.4	2295.1	2315.2	2323.4	2315.2	2295.1	2263.4	2217.2	2155.7	2079.7	1991.8
47.5°	2735.6	2777.6	2808.7	2830.3	2808.7	2777.6	2735.6	2673.8	2588.2	2481.5	2358.6
45°	3350.8	3414.7	3458.2	3483.6	3458.2	3414.7	3350.8	3259.5	3135.9	2982.3	2808.1
42.5°	4173.8	4273.1	4333.9	4357.2	4333.9	4273.1	4173.8	4034.7	3856.6	3636.2	3405.1
40°	5128.9	5248.1	5326.4	5380.4	5326.4	5248.1	5128.9	4958.8	4743.5	4480.7	4194.1
37.5°	6123.7	6248.9	6325.1	6376.8	6325.1	6248.9	6123.7	5938.5	5697.3	5409.6	5070.9
35°	7138.6	7269.7	7341.1	7381.1	7341.1	7269.7	7138.6	6930.5	6654.6	6330.1	5961.7
32.5°	8180.5	8325.0	8402.7	8483.0	8402.7	8325.0	8180.5	7938.6	7621.3	7257.0	6852.9
30°	9268.8	9434.6	9515.9	9555.0	9515.9	9434.6	9268.8	8979.9	8614.3	8208.7	7752.2
27.5°	10401.1	10607.8	10709.5	10776.6	10709.5	10607.8	10401.1	10063.9	9645.9	9187.5	8663.6
25°	11579.3	11835.4	11952.0	12056.3	11952.0	11835.4	11579.3	11185.3	10718.8	10192.6	9592.6
22.5°	12801.8	13120.7	13255.7	13329.8	13255.7	13120.7	12801.8	12339.2	11814.0	11214.9	10543.8
20°	14056.2	14437.2	14624.8	14721.4	14624.8	14437.2	14056.2	13530.6	12922.8	12231.1	11483.5
17.5°	15338.9	15812.8	16055.6	16111.3	16055.6	15812.8	15338.9	14746.6	14041.4	13254.4	12399.8
15°	16598.1	17110.8	17397.7	17502.9	17397.7	17110.8	16598.1	15930.3	15143.1	14249.2	13287.1
12.5°	17790.6	18322.0	18664.9	18726.0	18664.9	18322.0	17790.6	17067.2	16217.3	15185.2	14120.2
10°	18872.1	19422.6	19801.4	19887.7	19801.4	19422.6	18872.1	18073.6	17101.5	16006.7	14833.3
7.5°	19776.4	20380.3	20798.7	20871.5	20798.7	20380.3	19776.4	18924.9	17849.3	16669.6	15417.4
5°	20437.9	21155.0	21498.4	21584.6	21498.4	21155.0	20437.9	19508.2	18393.6	17153.2	15844.2
2.5°	20800.8	21530.7	22008.1	21953.0	22008.1	21530.7	20800.8	19872.9	18727.4	17440.9	16097.4
0°	20841.6	21605.1	22061.6	22272.5	22061.6	21605.1	20841.6	19950.7	18809.4	17540.7	16144.4
-2.5°	20800.8	21530.7	22008.1	21953.0	22008.1	21530.7	20800.8	19872.9	18727.4	17440.9	16097.4
-5°	20437.9	21155.0	21498.4	21584.6	21498.4	21155.0	20437.9	19508.2	18393.6	17153.2	15844.2
-7.5°	19776.4	20380.3	20798.7	20871.5	20798.7	20380.3	19776.4	18924.9	17849.3	16669.6	15417.4
-10°	18872.1	19422.6	19801.4	19887.7	19801.4	19422.6	18872.1	18073.6	17101.5	16006.7	14833.3
-12.5°	17790.6	18322.0	18664.9	18726.0	18664.9	18322.0	17790.6	17067.2	16217.3	15185.2	14120.2
-15°	16598.1	17110.8	17397.7	17502.9	17397.7	17110.8	16598.1	15930.3	15143.1	14249.2	13287.1
-17.5°	15338.9	15812.8	16055.6	16111.3	16055.6	15812.8	15338.9	14746.6	14041.4	13254.4	12399.8
-20°	14056.2	14437.2	14624.8	14721.4	14624.8	14437.2	14056.2	13530.6	12922.8	12231.1	11483.5



REPORT NUMBER: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12801.8	13120.7	13255.7	13329.8	13255.7	13120.7	12801.8	12339.2	11814.0	11214.9	10543.8
-25°	11579.3	11835.4	11952.0	12056.3	11952.0	11835.4	11579.3	11185.3	10718.8	10192.6	9592.6
-27.5°	10401.1	10607.8	10709.5	10776.6	10709.5	10607.8	10401.1	10063.9	9645.9	9187.5	8663.6
-30°	9268.8	9434.6	9515.9	9555.0	9515.9	9434.6	9268.8	8979.9	8614.3	8208.7	7752.2
-32.5°	8180.5	8325.0	8402.7	8483.0	8402.7	8325.0	8180.5	7938.6	7621.3	7257.0	6852.9
-35°	7138.6	7269.7	7341.1	7381.1	7341.1	7269.7	7138.6	6930.5	6654.6	6330.1	5961.7
-37.5°	6123.7	6248.9	6325.1	6376.8	6325.1	6248.9	6123.7	5938.5	5697.3	5409.6	5070.9
-40°	5128.9	5248.1	5326.4	5380.4	5326.4	5248.1	5128.9	4958.8	4743.5	4480.7	4194.1
-42.5°	4173.8	4273.1	4333.9	4357.2	4333.9	4273.1	4173.8	4034.7	3856.6	3636.2	3405.1
-45°	3350.8	3414.7	3458.2	3483.6	3458.2	3414.7	3350.8	3259.5	3135.9	2982.3	2808.1
-47.5°	2735.6	2777.6	2808.7	2830.3	2808.7	2777.6	2735.6	2673.8	2588.2	2481.5	2358.6
-50°	2263.4	2295.1	2315.2	2323.4	2315.2	2295.1	2263.4	2217.2	2155.7	2079.7	1991.8
-52.5°	1885.9	1908.0	1924.5	1934.6	1924.5	1908.0	1885.9	1853.8	1811.2	1756.6	1690.4
-55°	1596.1	1614.1	1622.3	1621.4	1622.3	1614.1	1596.1	1570.1	1536.3	1493.6	1445.1
-57.5°	1349.1	1362.8	1370.0	1371.1	1370.0	1362.8	1349.1	1330.2	1306.3	1277.1	1242.3
-60°	1148.4	1156.8	1162.0	1163.3	1162.0	1156.8	1148.4	1135.7	1118.6	1095.8	1068.4
-62.5°	972.3	980.4	984.3	983.8	984.3	980.4	972.3	960.4	944.9	926.7	907.4
-65°	787.2	788.7	792.0	793.4	792.0	788.7	787.2	782.8	775.8	767.6	756.8
-67.5°	648.7	648.2	649.8	650.1	649.8	648.2	648.7	647.1	643.5	636.9	626.9
-70°	527.6	526.4	521.8	514.7	521.8	526.4	527.6	528.2	528.8	527.5	520.7
-72.5°	391.3	373.3	355.1	335.3	355.1	373.3	391.3	408.6	425.7	437.6	433.9
-75°	283.3	253.8	243.9	234.5	243.9	253.8	283.3	311.8	339.2	360.1	357.6
-77.5°	207.8	179.8	171.5	163.7	171.5	179.8	207.8	234.7	260.3	281.0	280.0
-80°	141.6	121.1	117.1	113.3	117.1	121.1	141.6	161.4	180.4	197.2	199.3
-82.5°	88.9	73.8	71.6	69.3	71.6	73.8	88.9	103.4	117.2	129.5	128.4
-85°	41.2	34.4	33.8	33.1	33.8	34.4	41.2	47.7	53.8	59.3	58.1
-87.5°	7.0	6.3	5.5	4.7	5.5	6.3	7.0	7.7	8.4	9.1	9.3
-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: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-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°	9.6	9.8	10.0	10.5	10.9	11.3	11.6	11.3	10.9	10.5	10.1
85°	56.6	55.0	53.3	53.3	53.0	52.3	51.2	45.9	40.9	36.1	32.0
82.5°	126.8	124.6	121.7	117.5	113.3	109.0	104.1	93.0	82.4	72.2	63.8
80°	200.4	200.4	198.5	190.7	182.6	174.1	163.8	146.3	129.4	113.7	102.6
77.5°	278.6	276.8	273.0	262.5	252.0	241.3	227.9	205.3	182.6	160.9	146.8
75°	354.3	350.3	343.5	330.8	316.9	301.9	285.9	266.4	243.9	218.5	199.9
72.5°	429.0	423.2	414.2	400.6	385.3	369.1	352.2	333.0	311.0	286.0	267.3
70°	512.5	503.0	490.9	475.6	459.6	442.6	425.0	405.4	382.5	357.5	337.8
67.5°	614.5	599.5	582.5	564.3	546.9	526.6	505.9	483.5	460.4	434.2	409.2
65°	741.4	721.4	698.6	679.0	655.5	627.8	596.6	569.4	542.6	513.1	480.4
62.5°	887.7	868.1	836.7	804.3	773.0	741.3	703.6	665.5	628.8	591.8	553.7
60°	1037.2	1002.0	967.9	930.8	890.8	847.9	806.5	763.0	717.6	673.1	627.5
57.5°	1202.1	1158.6	1114.0	1066.2	1015.4	966.6	916.2	862.2	810.6	756.7	702.2
55°	1391.3	1338.9	1281.9	1219.4	1154.9	1096.9	1035.3	973.4	910.7	842.9	782.6
52.5°	1615.9	1550.4	1477.3	1396.3	1320.6	1243.8	1163.6	1093.4	1016.9	941.5	866.4
50°	1901.9	1809.1	1708.5	1606.3	1512.5	1411.1	1316.9	1224.5	1131.9	1044.6	957.3
47.5°	2244.5	2121.7	1984.2	1857.3	1732.9	1607.3	1491.4	1369.2	1263.0	1153.1	1056.1
45°	2661.1	2497.5	2320.8	2159.7	1984.9	1833.1	1685.4	1544.9	1405.3	1281.2	1157.3
42.5°	3193.7	2955.3	2730.9	2517.2	2297.0	2097.4	1900.6	1734.1	1570.3	1416.6	1277.0
40°	3878.6	3531.4	3243.2	2936.4	2669.9	2402.6	2167.3	1936.5	1750.5	1568.4	1398.1
37.5°	4687.2	4280.8	3869.4	3449.6	3102.4	2766.6	2463.7	2192.0	1938.9	1731.9	1535.4
35°	5542.3	5083.2	4590.5	4098.7	3591.8	3185.1	2800.2	2465.4	2170.1	1903.1	1676.7
32.5°	6395.5	5891.5	5349.0	4788.0	4218.5	3649.2	3187.3	2772.6	2403.1	2099.1	1831.1
30°	7248.4	6695.2	6100.9	5488.3	4863.5	4224.5	3594.2	3109.8	2676.0	2294.7	1986.4
27.5°	8104.0	7504.5	6854.1	6180.1	5506.6	4809.8	4111.4	3457.8	2951.0	2520.0	2156.9
25°	8960.5	8290.2	7591.9	6858.2	6123.8	5383.2	4611.6	3882.9	3259.5	2745.6	2314.0
22.5°	9819.6	9067.0	8288.5	7500.4	6710.8	5919.3	5111.6	4299.3	3551.7	2975.0	2497.9
20°	10668.5	9823.2	8971.1	8116.7	7265.5	6419.1	5574.8	4707.7	3895.2	3212.4	2669.6
17.5°	11486.1	10547.1	9622.0	8695.8	7785.4	6888.0	5990.0	5084.5	4202.0	3423.9	2821.1
15°	12264.9	11240.3	10235.5	9241.0	8258.5	7294.8	6357.8	5415.3	4481.0	3644.4	2987.4
12.5°	12999.6	11881.4	10786.9	9707.5	8663.5	7653.4	6679.3	5705.7	4743.7	3859.2	3135.5
10°	13627.1	12427.4	11249.4	10111.1	9014.2	7958.5	6944.6	5951.5	4969.0	4037.9	3256.7
7.5°	14137.4	12866.6	11624.3	10430.1	9289.2	8201.3	7149.5	6140.1	5147.3	4177.6	3350.2
5°	14510.3	13189.5	11902.1	10666.4	9479.7	8378.1	7294.0	6269.0	5276.5	4276.9	3415.6
2.5°	14741.5	13384.8	12067.4	10810.0	9590.6	8484.3	7377.9	6347.0	5350.3	4331.6	3456.6
0°	14784.3	13476.2	12119.3	10825.4	9654.2	8516.1	7400.0	6375.3	5369.4	4343.1	3469.4
-2.5°	14741.5	13384.8	12067.4	10810.0	9590.6	8484.3	7377.9	6347.0	5350.3	4331.6	3456.6
-5°	14510.3	13189.5	11902.1	10666.4	9479.7	8378.1	7294.0	6269.0	5276.5	4276.9	3415.6
-7.5°	14137.4	12866.6	11624.3	10430.1	9289.2	8201.3	7149.5	6140.1	5147.3	4177.6	3350.2
-10°	13627.1	12427.4	11249.4	10111.1	9014.2	7958.5	6944.6	5951.5	4969.0	4037.9	3256.7
-12.5°	12999.6	11881.4	10786.9	9707.5	8663.5	7653.4	6679.3	5705.7	4743.7	3859.2	3135.5
-15°	12264.9	11240.3	10235.5	9241.0	8258.5	7294.8	6357.8	5415.3	4481.0	3644.4	2987.4
-17.5°	11486.1	10547.1	9622.0	8695.8	7785.4	6888.0	5990.0	5084.5	4202.0	3423.9	2821.1
-20°	10668.5	9823.2	8971.1	8116.7	7265.5	6419.1	5574.8	4707.7	3895.2	3212.4	2669.6



REPORT NUMBER: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9819.6	9067.0	8288.5	7500.4	6710.8	5919.3	5111.6	4299.3	3551.7	2975.0	2497.9
-25°	8960.5	8290.2	7591.9	6858.2	6123.8	5383.2	4611.6	3882.9	3259.5	2745.6	2314.0
-27.5°	8104.0	7504.5	6854.1	6180.1	5506.6	4809.8	4111.4	3457.8	2951.0	2520.0	2156.9
-30°	7248.4	6695.2	6100.9	5488.3	4863.5	4224.5	3594.2	3109.8	2676.0	2294.7	1986.4
-32.5°	6395.5	5891.5	5349.0	4788.0	4218.5	3649.2	3187.3	2772.6	2403.1	2099.1	1831.1
-35°	5542.3	5083.2	4590.5	4098.7	3591.8	3185.1	2800.2	2465.4	2170.1	1903.1	1676.7
-37.5°	4687.2	4280.8	3869.4	3449.6	3102.4	2766.6	2463.7	2192.0	1938.9	1731.9	1535.4
-40°	3878.6	3531.4	3243.2	2936.4	2669.9	2402.6	2167.3	1936.5	1750.5	1568.4	1398.1
-42.5°	3193.7	2955.3	2730.9	2517.2	2297.0	2097.4	1900.6	1734.1	1570.3	1416.6	1277.0
-45°	2661.1	2497.5	2320.8	2159.7	1984.9	1833.1	1685.4	1544.9	1405.3	1281.2	1157.3
-47.5°	2244.5	2121.7	1984.2	1857.3	1732.9	1607.3	1491.4	1369.2	1263.0	1153.1	1056.1
-50°	1901.9	1809.1	1708.5	1606.3	1512.5	1411.1	1316.9	1224.5	1131.9	1044.6	957.3
-52.5°	1615.9	1550.4	1477.3	1396.3	1320.6	1243.8	1163.6	1093.4	1016.9	941.5	866.4
-55°	1391.3	1338.9	1281.9	1219.4	1154.9	1096.9	1035.3	973.4	910.7	842.9	782.6
-57.5°	1202.1	1158.6	1114.0	1066.2	1015.4	966.6	916.2	862.2	810.6	756.7	702.2
-60°	1037.2	1002.0	967.9	930.8	890.8	847.9	806.5	763.0	717.6	673.1	627.5
-62.5°	887.7	868.1	836.7	804.3	773.0	741.3	703.6	665.5	628.8	591.8	553.7
-65°	741.4	721.4	698.6	679.0	655.5	627.8	596.6	569.4	542.6	513.1	480.4
-67.5°	614.5	599.5	582.5	564.3	546.9	526.6	505.9	483.5	460.4	434.2	409.2
-70°	512.5	503.0	490.9	475.6	459.6	442.6	425.0	405.4	382.5	357.5	337.8
-72.5°	429.0	423.2	414.2	400.6	385.3	369.1	352.2	333.0	311.0	286.0	267.3
-75°	354.3	350.3	343.5	330.8	316.9	301.9	285.9	266.4	243.9	218.5	199.9
-77.5°	278.6	276.8	273.0	262.5	252.0	241.3	227.9	205.3	182.6	160.9	146.8
-80°	200.4	200.4	198.5	190.7	182.6	174.1	163.8	146.3	129.4	113.7	102.6
-82.5°	126.8	124.6	121.7	117.5	113.3	109.0	104.1	93.0	82.4	72.2	63.8
-85°	56.6	55.0	53.3	53.3	53.0	52.3	51.2	45.9	40.9	36.1	32.0
-87.5°	9.6	9.8	10.0	10.5	10.9	11.3	11.6	11.3	10.9	10.5	10.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-722-U-WR-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°	11.2	12.2	12.9	13.5	14.0	14.2	14.2	14.0	13.4	12.7	11.7
85°	33.4	34.1	33.9	32.9	30.7	28.4	28.4	28.0	26.8	25.3	23.4
82.5°	66.3	68.4	69.5	69.0	64.8	60.2	55.4	50.4	44.9	38.8	35.1
80°	106.5	108.9	109.6	107.8	100.2	92.0	84.9	77.7	70.5	62.4	53.3
77.5°	149.9	151.7	152.1	149.3	139.6	129.1	117.9	106.1	96.1	86.0	74.7
75°	196.6	197.1	196.7	191.6	179.8	166.2	152.6	137.9	123.3	109.6	96.1
72.5°	257.2	248.9	242.7	234.5	221.4	206.2	188.8	169.3	150.7	133.3	117.0
70°	320.5	303.1	289.5	277.0	262.5	246.4	227.1	202.6	177.7	156.5	136.8
67.5°	386.6	365.0	343.2	320.4	302.6	284.5	264.9	235.5	205.6	179.3	156.1
65°	451.1	424.3	399.6	370.0	344.2	322.0	300.0	266.6	232.5	201.9	175.1
62.5°	515.9	480.1	449.1	417.1	385.8	358.5	333.5	295.6	258.3	223.5	193.0
60°	582.6	540.6	498.5	461.5	426.2	393.0	361.9	323.7	283.3	244.1	210.0
57.5°	651.6	601.2	553.1	507.0	465.9	427.6	389.2	349.5	307.4	264.9	225.4
55°	721.3	664.3	607.8	555.0	506.3	462.7	417.6	374.3	330.5	285.3	237.6
52.5°	796.1	729.3	665.6	603.9	548.2	497.0	447.9	398.5	352.5	304.9	250.9
50°	875.4	798.1	725.3	656.4	589.7	532.7	477.4	425.1	374.0	323.8	263.4
47.5°	958.7	871.2	788.3	709.3	636.9	567.3	508.2	451.1	394.9	342.4	274.7
45°	1050.4	946.4	853.0	766.3	682.1	606.6	538.7	476.3	417.5	355.8	284.9
42.5°	1142.5	1027.4	920.1	821.4	731.4	646.2	567.9	502.4	439.3	368.1	295.0
40°	1248.8	1110.3	987.7	880.7	780.1	684.1	601.4	527.6	459.6	380.2	304.7
37.5°	1352.4	1199.5	1061.4	937.2	828.1	726.8	633.9	551.6	475.5	393.4	313.5
35°	1474.5	1291.6	1131.6	997.1	877.6	767.5	664.5	576.1	493.1	406.1	321.3
32.5°	1593.1	1385.4	1210.6	1058.3	924.2	806.1	696.9	601.1	510.9	418.2	328.2
30°	1723.4	1487.4	1285.0	1115.7	970.6	845.7	729.6	624.8	529.0	429.7	334.9
27.5°	1848.5	1581.4	1357.5	1176.4	1019.5	882.8	759.9	646.9	547.0	441.6	343.1
25°	1972.6	1682.9	1437.4	1234.3	1064.5	916.5	787.6	667.5	564.8	454.9	350.6
22.5°	2107.1	1781.2	1509.3	1286.4	1105.2	947.3	814.1	690.1	581.0	467.7	357.1
20°	2230.9	1869.9	1573.6	1336.2	1145.6	980.5	838.9	710.4	595.6	479.7	362.6
17.5°	2347.6	1960.1	1645.3	1390.0	1183.8	1009.8	860.7	728.2	608.5	490.7	367.1
15°	2470.2	2049.7	1709.8	1436.6	1216.9	1035.0	879.5	743.4	619.7	500.6	371.3
12.5°	2574.8	2125.4	1764.1	1475.9	1244.7	1056.2	895.1	756.1	628.9	509.1	375.1
10°	2661.0	2187.0	1807.8	1507.5	1267.1	1073.1	907.6	766.4	636.6	515.6	377.2
7.5°	2728.1	2233.9	1840.9	1531.6	1284.2	1086.4	917.9	774.5	642.6	520.2	377.6
5°	2775.1	2266.7	1865.1	1548.3	1297.2	1095.9	925.3	779.8	646.7	522.7	376.5
2.5°	2799.7	2285.3	1880.0	1557.3	1304.7	1101.1	929.5	782.4	648.7	523.0	373.9
0°	2803.5	2288.8	1884.2	1558.4	1306.5	1101.9	930.3	782.3	648.5	521.0	369.9
-2.5°	2799.7	2285.3	1880.0	1557.3	1304.7	1101.1	929.5	782.4	648.7	523.0	373.9
-5°	2775.1	2266.7	1865.1	1548.3	1297.2	1095.9	925.3	779.8	646.7	522.7	376.5
-7.5°	2728.1	2233.9	1840.9	1531.6	1284.2	1086.4	917.9	774.5	642.6	520.2	377.6
-10°	2661.0	2187.0	1807.8	1507.5	1267.1	1073.1	907.6	766.4	636.6	515.6	377.2
-12.5°	2574.8	2125.4	1764.1	1475.9	1244.7	1056.2	895.1	756.1	628.9	509.1	375.1
-15°	2470.2	2049.7	1709.8	1436.6	1216.9	1035.0	879.5	743.4	619.7	500.6	371.3
-17.5°	2347.6	1960.1	1645.3	1390.0	1183.8	1009.8	860.7	728.2	608.5	490.7	367.1
-20°	2230.9	1869.9	1573.6	1336.2	1145.6	980.5	838.9	710.4	595.6	479.7	362.6

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Scaled Data Report



REPORT NUMBER: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2107.1	1781.2	1509.3	1286.4	1105.2	947.3	814.1	690.1	581.0	467.7	357.1
-25°	1972.6	1682.9	1437.4	1234.3	1064.5	916.5	787.6	667.5	564.8	454.9	350.6
-27.5°	1848.5	1581.4	1357.5	1176.4	1019.5	882.8	759.9	646.9	547.0	441.6	343.1
-30°	1723.4	1487.4	1285.0	1115.7	970.6	845.7	729.6	624.8	529.0	429.7	334.9
-32.5°	1593.1	1385.4	1210.6	1058.3	924.2	806.1	696.9	601.1	510.9	418.2	328.2
-35°	1474.5	1291.6	1131.6	997.1	877.6	767.5	664.5	576.1	493.1	406.1	321.3
-37.5°	1352.4	1199.5	1061.4	937.2	828.1	726.8	633.9	551.6	475.5	393.4	313.5
-40°	1248.8	1110.3	987.7	880.7	780.1	684.1	601.4	527.6	459.6	380.2	304.7
-42.5°	1142.5	1027.4	920.1	821.4	731.4	646.2	567.9	502.4	439.3	368.1	295.0
-45°	1050.4	946.4	853.0	766.3	682.1	606.6	538.7	476.3	417.5	355.8	284.9
-47.5°	958.7	871.2	788.3	709.3	636.9	567.3	508.2	451.1	394.9	342.4	274.7
-50°	875.4	798.1	725.3	656.4	589.7	532.7	477.4	425.1	374.0	323.8	263.4
-52.5°	796.1	729.3	665.6	603.9	548.2	497.0	447.9	398.5	352.5	304.9	250.9
-55°	721.3	664.3	607.8	555.0	506.3	462.7	417.6	374.3	330.5	285.3	237.6
-57.5°	651.6	601.2	553.1	507.0	465.9	427.6	389.2	349.5	307.4	264.9	225.4
-60°	582.6	540.6	498.5	461.5	426.2	393.0	361.9	323.7	283.3	244.1	210.0
-62.5°	515.9	480.1	449.1	417.1	385.8	358.5	333.5	295.6	258.3	223.5	193.0
-65°	451.1	424.3	399.6	370.0	344.2	322.0	300.0	266.6	232.5	201.9	175.1
-67.5°	386.6	365.0	343.2	320.4	302.6	284.5	264.9	235.5	205.6	179.3	156.1
-70°	320.5	303.1	289.5	277.0	262.5	246.4	227.1	202.6	177.7	156.5	136.8
-72.5°	257.2	248.9	242.7	234.5	221.4	206.2	188.8	169.3	150.7	133.3	117.0
-75°	196.6	197.1	196.7	191.6	179.8	166.2	152.6	137.9	123.3	109.6	96.1
-77.5°	149.9	151.7	152.1	149.3	139.6	129.1	117.9	106.1	96.1	86.0	74.7
-80°	106.5	108.9	109.6	107.8	100.2	92.0	84.9	77.7	70.5	62.4	53.3
-82.5°	66.3	68.4	69.5	69.0	64.8	60.2	55.4	50.4	44.9	38.8	35.1
-85°	33.4	34.1	33.9	32.9	30.7	28.4	28.4	28.0	26.8	25.3	23.4
-87.5°	11.2	12.2	12.9	13.5	14.0	14.2	14.2	14.0	13.4	12.7	11.7
-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: P627613 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-WR-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°	10.6	8.3	6.1	4.3	2.6	1.1	0.0
85°	21.1	16.5	12.3	8.5	5.2	2.3	0.0
82.5°	31.6	24.6	18.3	12.7	7.8	3.4	0.0
80°	42.9	32.7	24.4	16.9	10.3	4.5	0.0
77.5°	61.2	42.5	30.3	21.0	12.8	5.6	0.0
75°	79.1	55.6	36.7	25.1	15.3	6.7	0.0
72.5°	96.3	68.3	45.4	29.0	17.7	7.7	0.0
70°	112.7	80.5	53.9	33.2	20.1	8.8	0.0
67.5°	126.9	92.1	62.0	38.3	22.4	9.8	0.0
65°	140.4	102.8	69.7	43.3	24.6	10.8	0.0
62.5°	153.2	112.6	76.9	48.0	26.8	11.8	0.0
60°	165.1	121.7	83.7	52.4	28.8	12.7	0.0
57.5°	175.9	130.3	90.0	56.5	31.3	13.6	0.0
55°	185.9	138.2	95.8	60.3	33.7	14.5	0.0
52.5°	195.0	145.4	101.2	63.7	36.0	15.3	0.0
50°	203.3	152.0	106.1	66.9	38.3	16.1	0.0
47.5°	211.0	158.0	110.5	69.8	40.4	16.8	0.0
45°	219.6	163.3	114.3	72.6	42.4	17.5	0.0
42.5°	227.3	167.9	117.6	75.1	44.3	18.2	0.0
40°	234.1	171.8	120.6	77.8	46.0	18.8	0.0
37.5°	239.8	175.0	123.3	80.7	47.7	19.4	0.0
35°	244.6	178.5	125.5	83.2	49.2	19.9	0.0
32.5°	249.0	181.9	127.2	85.6	50.6	20.3	0.0
30°	253.9	184.6	128.3	87.7	51.9	20.8	0.0
27.5°	257.9	186.4	131.1	89.6	53.0	21.1	0.0
25°	261.0	187.5	133.7	91.2	54.0	21.5	0.0
22.5°	263.2	189.0	136.0	92.6	54.9	21.7	0.0
20°	264.5	192.4	138.0	93.7	55.7	21.9	0.0
17.5°	267.5	195.3	139.7	94.6	56.3	22.1	0.0
15°	271.1	197.5	141.1	95.3	56.7	22.2	0.0
12.5°	273.6	199.1	142.0	95.7	57.1	22.3	0.0
10°	275.2	200.1	142.7	95.9	57.3	22.3	0.0
7.5°	275.9	200.5	143.0	95.9	57.3	22.3	0.0
5°	275.6	200.3	142.9	95.6	57.3	22.3	0.0
2.5°	274.4	199.6	142.5	95.1	57.0	22.2	0.0
0°	272.3	198.3	141.7	94.4	56.7	22.0	0.0
-2.5°	274.4	199.6	142.5	95.1	57.0	22.2	0.0
-5°	275.6	200.3	142.9	95.6	57.3	22.3	0.0
-7.5°	275.9	200.5	143.0	95.9	57.3	22.3	0.0
-10°	275.2	200.1	142.7	95.9	57.3	22.3	0.0
-12.5°	273.6	199.1	142.0	95.7	57.1	22.3	0.0
-15°	271.1	197.5	141.1	95.3	56.7	22.2	0.0
-17.5°	267.5	195.3	139.7	94.6	56.3	22.1	0.0
-20°	264.5	192.4	138.0	93.7	55.7	21.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	263.2	189.0	136.0	92.6	54.9	21.7	0.0
-25°	261.0	187.5	133.7	91.2	54.0	21.5	0.0
-27.5°	257.9	186.4	131.1	89.6	53.0	21.1	0.0
-30°	253.9	184.6	128.3	87.7	51.9	20.8	0.0
-32.5°	249.0	181.9	127.2	85.6	50.6	20.3	0.0
-35°	244.6	178.5	125.5	83.2	49.2	19.9	0.0
-37.5°	239.8	175.0	123.3	80.7	47.7	19.4	0.0
-40°	234.1	171.8	120.6	77.8	46.0	18.8	0.0
-42.5°	227.3	167.9	117.6	75.1	44.3	18.2	0.0
-45°	219.6	163.3	114.3	72.6	42.4	17.5	0.0
-47.5°	211.0	158.0	110.5	69.8	40.4	16.8	0.0
-50°	203.3	152.0	106.1	66.9	38.3	16.1	0.0
-52.5°	195.0	145.4	101.2	63.7	36.0	15.3	0.0
-55°	185.9	138.2	95.8	60.3	33.7	14.5	0.0
-57.5°	175.9	130.3	90.0	56.5	31.3	13.6	0.0
-60°	165.1	121.7	83.7	52.4	28.8	12.7	0.0
-62.5°	153.2	112.6	76.9	48.0	26.8	11.8	0.0
-65°	140.4	102.8	69.7	43.3	24.6	10.8	0.0
-67.5°	126.9	92.1	62.0	38.3	22.4	9.8	0.0
-70°	112.7	80.5	53.9	33.2	20.1	8.8	0.0
-72.5°	96.3	68.3	45.4	29.0	17.7	7.7	0.0
-75°	79.1	55.6	36.7	25.1	15.3	6.7	0.0
-77.5°	61.2	42.5	30.3	21.0	12.8	5.6	0.0
-80°	42.9	32.7	24.4	16.9	10.3	4.5	0.0
-82.5°	31.6	24.6	18.3	12.7	7.8	3.4	0.0
-85°	21.1	16.5	12.3	8.5	5.2	2.3	0.0
-87.5°	10.6	8.3	6.1	4.3	2.6	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)