

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: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-735-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3D-735-U-VWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N75  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

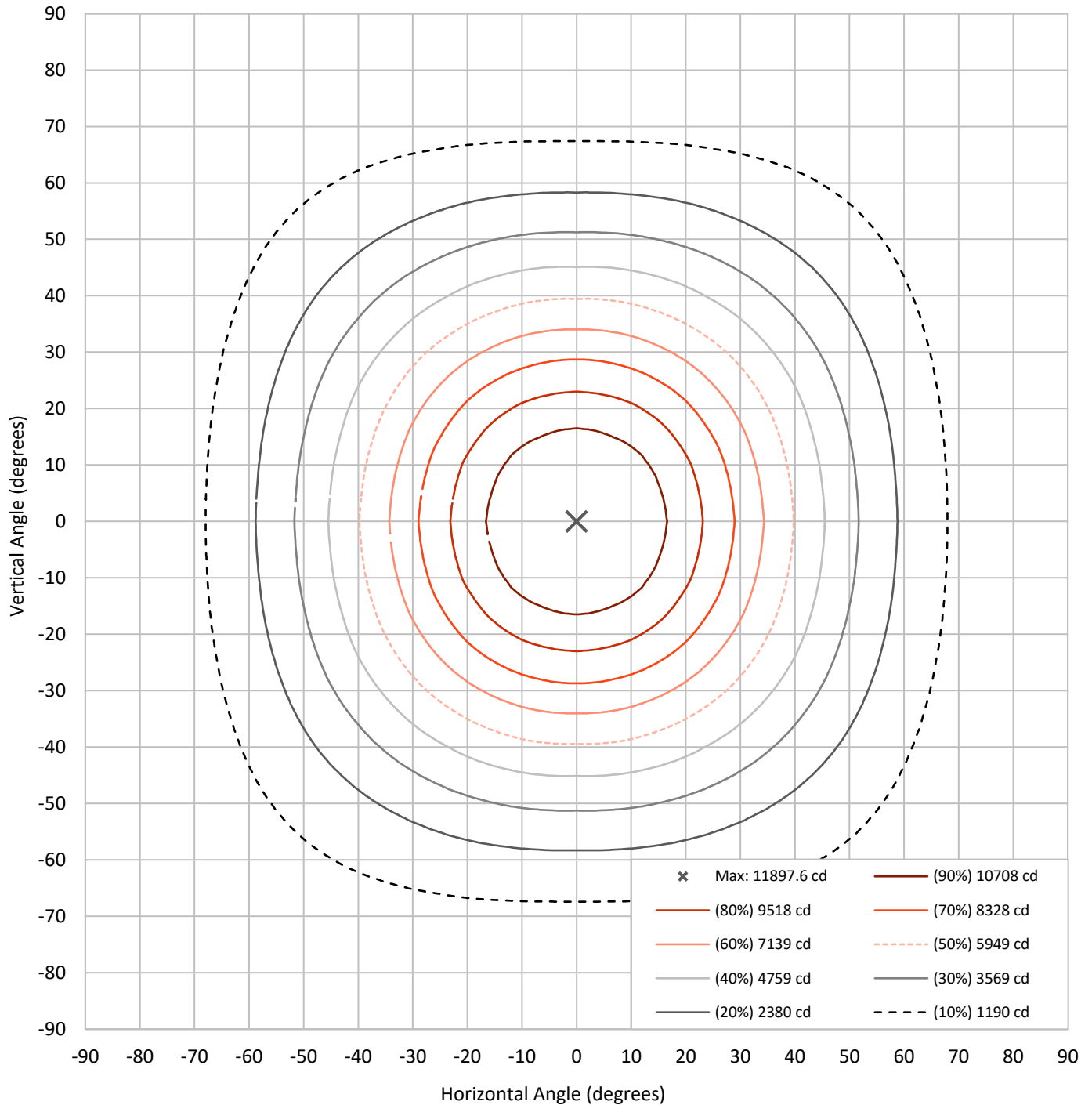
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21503.8 lumens	Max Intensity:	11897.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	134.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	12612.1 lumens	Field Lumens:	20500.2 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	160.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





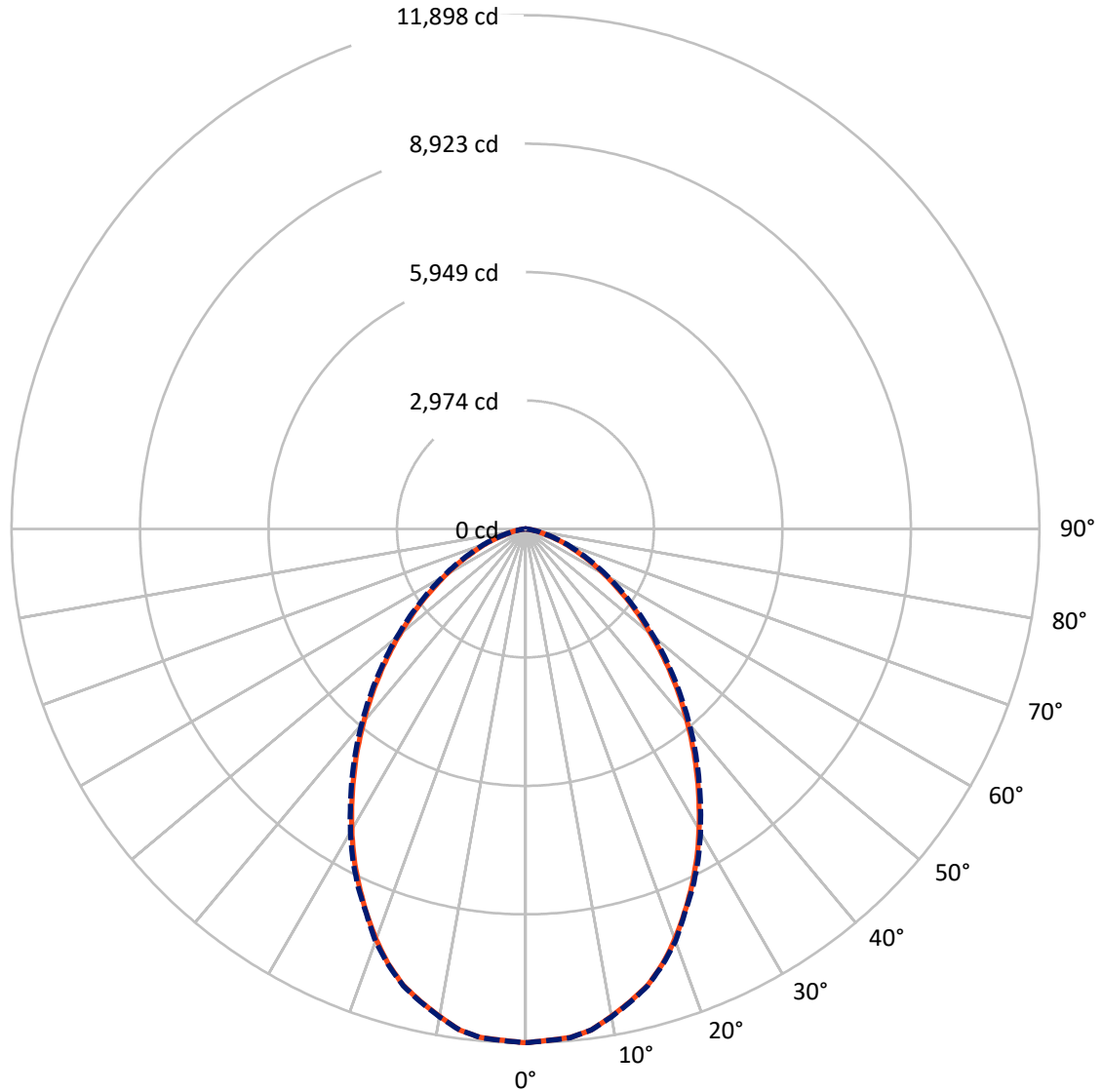
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### Lumen Table

90																			
80	0.7	8.8	24.0	40.7	38.4	40.7	24.0	8.8	0.7										
70																			
60	4.0	5.5	11.1	19.0	27.8	35.8	41.9	44.9	44.9	41.9	35.8	27.8	19.0	11.1	5.5				4.0
50																			
40	7.0	8.3	18.1	32.3	48.8	66.4	80.8	88.3	88.3	80.8	66.4	48.8	32.3	18.1	8.3				7.0
30																			
20	9.0	11.1	26.1	48.3	76.5	106.0	130.8	144.3	144.3	130.8	106.0	76.5	48.3	26.1	11.1				9.0
10																			
0	9.8	14.1	34.6	66.5	107.1	150.1	186.9	207.8	207.8	186.9	150.1	107.1	66.5	34.6	14.1				9.8
-10																			
-20	9.0	16.8	42.6	83.6	136.3	193.5	243.4	272.0	272.0	243.4	193.5	136.3	83.6	42.6	16.8				9.0
-30																			
-40	7.0	19.0	48.8	96.4	159.1	228.7	290.1	324.9	324.9	290.1	228.7	159.1	96.4	48.8	19.0				7.0
-50																			
-60	4.0	20.1	52.2	103.6	171.8	248.2	315.3	352.0	352.0	315.3	248.2	171.8	103.6	52.2	20.1				4.0
-70																			
-80	0.7	20.1	52.2	103.6	171.8	248.2	315.3	352.0	352.0	315.3	248.2	171.8	103.6	52.2	20.1				0.7
-90																			

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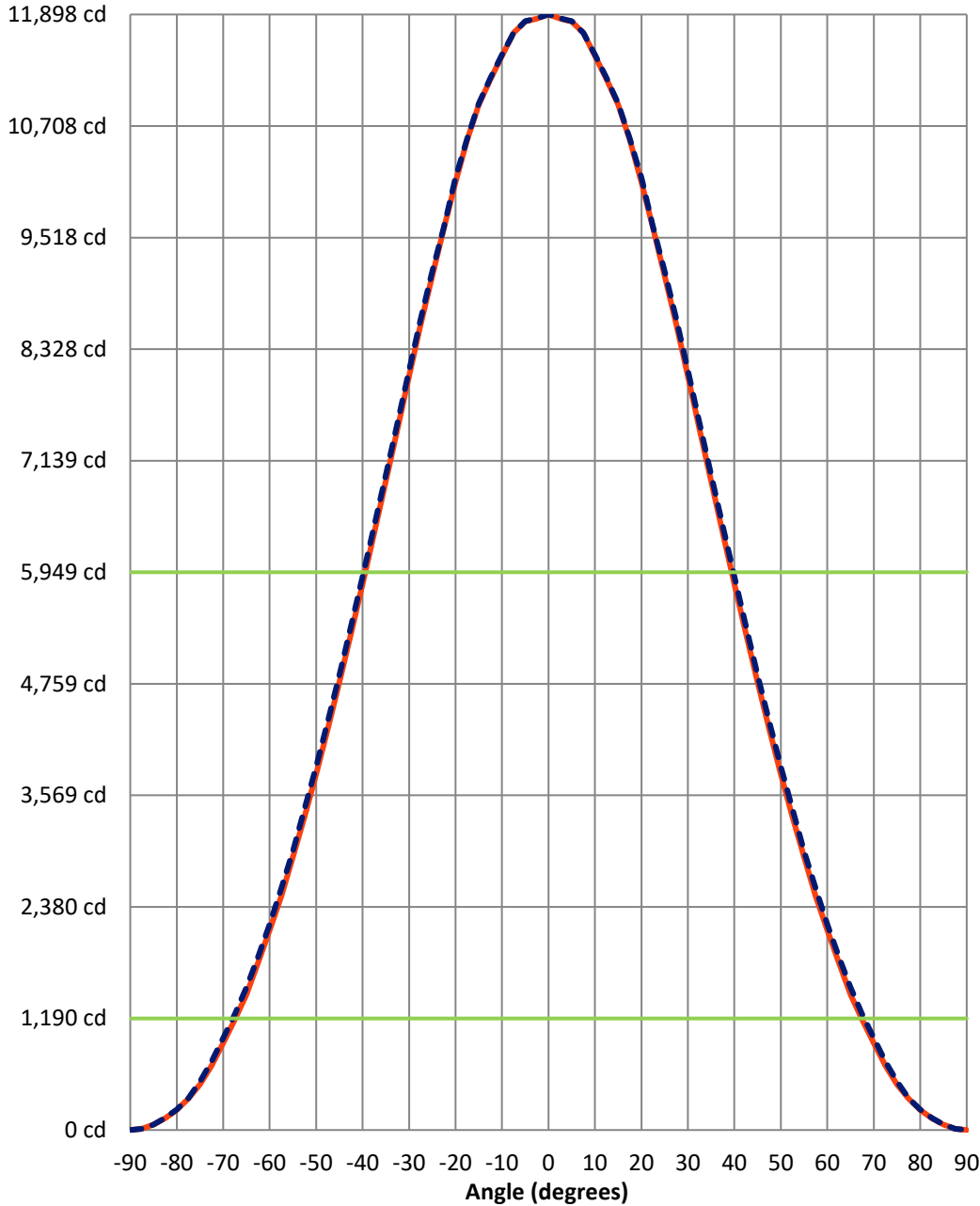
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 12612.1  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 20500.2  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 1003.6  
 Efficiency: 4.7%

- 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	0.7	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.8	7.5
85°	0.0	1.4	3.1	4.6	6.2	7.7	9.2	10.7	12.2	13.6	15.0
82.5°	0.0	2.0	4.6	7.0	9.2	11.5	13.8	16.0	20.1	31.6	42.6
80°	0.0	2.7	6.2	9.2	12.3	15.3	20.7	37.0	52.6	67.6	81.9
77.5°	0.0	3.4	7.7	11.5	15.3	24.1	45.2	65.7	84.9	103.4	126.2
75°	0.0	4.0	9.1	13.8	20.0	41.7	69.1	94.2	118.2	151.2	186.3
72.5°	0.0	4.7	10.6	16.0	31.9	58.7	92.3	124.8	162.5	202.7	245.3
70°	0.0	5.3	12.0	19.2	43.4	75.2	115.4	161.6	205.9	253.2	308.6
67.5°	0.0	5.9	13.4	26.3	54.5	91.0	143.2	197.5	248.4	308.2	371.6
65°	0.0	6.5	14.7	33.1	65.0	108.7	169.8	232.4	294.3	361.4	430.6
62.5°	0.0	7.1	16.0	39.7	75.0	128.1	195.1	268.8	338.6	412.4	483.3
60°	0.0	7.7	17.2	45.9	84.4	146.4	218.8	305.0	381.2	460.1	535.4
57.5°	0.0	8.2	20.7	51.7	97.0	163.6	243.9	338.8	423.3	506.9	584.7
55°	0.0	8.7	24.1	57.1	108.9	179.6	267.6	367.9	464.7	552.2	632.0
52.5°	0.0	9.2	27.3	62.1	120.0	194.8	289.5	398.2	505.2	593.8	678.1
50°	0.0	9.7	30.5	66.7	130.3	210.9	309.6	427.0	543.5	634.2	731.0
47.5°	0.0	10.1	33.4	71.4	139.6	225.7	328.5	453.8	578.3	673.3	782.7
45°	0.0	10.6	36.3	77.6	148.0	238.9	349.5	478.5	605.3	717.5	832.3
42.5°	0.0	11.0	38.9	83.2	155.4	250.8	368.7	501.2	631.2	759.9	890.6
40°	0.0	11.3	41.5	89.0	162.9	261.1	386.1	522.6	658.1	799.5	947.5
37.5°	0.0	11.7	43.8	94.6	170.3	269.9	401.8	543.0	688.3	837.2	1000.8
35°	0.0	12.0	46.0	99.9	176.6	280.1	415.5	562.2	717.7	880.5	1054.5
32.5°	0.0	12.3	48.0	104.8	181.9	290.3	428.3	580.1	746.2	922.2	1111.4
30°	0.0	12.6	49.9	109.2	186.2	299.0	441.5	598.1	773.8	962.0	1164.6
27.5°	0.0	12.8	51.5	113.3	192.5	306.2	453.4	619.0	802.1	999.8	1213.9
25°	0.0	13.0	53.0	116.9	198.5	311.9	463.9	638.3	831.7	1038.3	1259.5
22.5°	0.0	13.2	54.3	120.1	203.8	317.7	472.9	656.1	859.0	1074.7	1308.1
20°	0.0	13.3	55.5	122.8	208.3	325.6	480.3	672.1	883.7	1107.2	1351.7
17.5°	0.0	13.4	56.4	125.1	212.1	332.0	489.5	686.1	905.7	1135.8	1390.1
15°	0.0	13.5	57.2	127.0	215.2	337.0	499.2	699.5	924.9	1160.3	1423.2
12.5°	0.0	13.5	57.8	128.5	217.6	340.7	507.0	712.1	942.2	1180.6	1451.0
10°	0.0	13.6	58.2	129.5	219.2	342.9	513.0	721.8	957.1	1199.7	1474.3
7.5°	0.0	13.6	58.4	130.1	220.1	343.8	517.1	728.6	968.6	1215.0	1494.5
5°	0.0	13.5	58.4	130.2	220.3	343.4	519.2	732.4	976.6	1226.2	1509.0
2.5°	0.0	13.5	58.3	130.0	219.7	341.8	519.3	733.3	980.8	1232.9	1517.7
0°	0.0	13.4	58.0	129.3	218.5	338.9	517.3	731.3	981.1	1235.2	1520.6
-2.5°	0.0	13.5	58.3	130.0	219.7	341.8	519.3	733.3	980.8	1232.9	1517.7
-5°	0.0	13.5	58.4	130.2	220.3	343.4	519.2	732.4	976.6	1226.2	1509.0
-7.5°	0.0	13.6	58.4	130.1	220.1	343.8	517.1	728.6	968.6	1215.0	1494.5
-10°	0.0	13.6	58.2	129.5	219.2	342.9	513.0	721.8	957.1	1199.7	1474.3
-12.5°	0.0	13.5	57.8	128.5	217.6	340.7	507.0	712.1	942.2	1180.6	1451.0
-15°	0.0	13.5	57.2	127.0	215.2	337.0	499.2	699.5	924.9	1160.3	1423.2
-17.5°	0.0	13.4	56.4	125.1	212.1	332.0	489.5	686.1	905.7	1135.8	1390.1
-20°	0.0	13.3	55.5	122.8	208.3	325.6	480.3	672.1	883.7	1107.2	1351.7

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CATALOG NUMBER: GFLD-SA3D-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.2	54.3	120.1	203.8	317.7	472.9	656.1	859.0	1074.7	1308.1
-25°	0.0	13.0	53.0	116.9	198.5	311.9	463.9	638.3	831.7	1038.3	1259.5
-27.5°	0.0	12.8	51.5	113.3	192.5	306.2	453.4	619.0	802.1	999.8	1213.9
-30°	0.0	12.6	49.9	109.2	186.2	299.0	441.5	598.1	773.8	962.0	1164.6
-32.5°	0.0	12.3	48.0	104.8	181.9	290.3	428.3	580.1	746.2	922.2	1111.4
-35°	0.0	12.0	46.0	99.9	176.6	280.1	415.5	562.2	717.7	880.5	1054.5
-37.5°	0.0	11.7	43.8	94.6	170.3	269.9	401.8	543.0	688.3	837.2	1000.8
-40°	0.0	11.3	41.5	89.0	162.9	261.1	386.1	522.6	658.1	799.5	947.5
-42.5°	0.0	11.0	38.9	83.2	155.4	250.8	368.7	501.2	631.2	759.9	890.6
-45°	0.0	10.6	36.3	77.6	148.0	238.9	349.5	478.5	605.3	717.5	832.3
-47.5°	0.0	10.1	33.4	71.4	139.6	225.7	328.5	453.8	578.3	673.3	782.7
-50°	0.0	9.7	30.5	66.7	130.3	210.9	309.6	427.0	543.5	634.2	731.0
-52.5°	0.0	9.2	27.3	62.1	120.0	194.8	289.5	398.2	505.2	593.8	678.1
-55°	0.0	8.7	24.1	57.1	108.9	179.6	267.6	367.9	464.7	552.2	632.0
-57.5°	0.0	8.2	20.7	51.7	97.0	163.6	243.9	338.8	423.3	506.9	584.7
-60°	0.0	7.7	17.2	45.9	84.4	146.4	218.8	305.0	381.2	460.1	535.4
-62.5°	0.0	7.1	16.0	39.7	75.0	128.1	195.1	268.8	338.6	412.4	483.3
-65°	0.0	6.5	14.7	33.1	65.0	108.7	169.8	232.4	294.3	361.4	430.6
-67.5°	0.0	5.9	13.4	26.3	54.5	91.0	143.2	197.5	248.4	308.2	371.6
-70°	0.0	5.3	12.0	19.2	43.4	75.2	115.4	161.6	205.9	253.2	308.6
-72.5°	0.0	4.7	10.6	16.0	31.9	58.7	92.3	124.8	162.5	202.7	245.3
-75°	0.0	4.0	9.1	13.8	20.0	41.7	69.1	94.2	118.2	151.2	186.3
-77.5°	0.0	3.4	7.7	11.5	15.3	24.1	45.2	65.7	84.9	103.4	126.2
-80°	0.0	2.7	6.2	9.2	12.3	15.3	20.7	37.0	52.6	67.6	81.9
-82.5°	0.0	2.0	4.6	7.0	9.2	11.5	13.8	16.0	20.1	31.6	42.6
-85°	0.0	1.4	3.1	4.6	6.2	7.7	9.2	10.7	12.2	13.6	15.0
-87.5°	0.0	0.7	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.8	7.5
-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°	8.7	10.0	11.4	12.8	12.9	12.9	12.8	12.6	13.1	13.6	14.1
85°	17.4	20.0	27.8	35.3	38.9	41.1	42.1	42.0	48.8	56.7	65.3
82.5°	54.2	65.4	76.1	86.3	88.9	88.9	88.1	88.3	104.4	122.8	141.6
80°	96.6	110.8	129.6	146.3	153.5	157.3	159.0	158.7	179.0	206.0	234.5
77.5°	153.3	177.1	197.9	215.6	225.1	233.5	240.4	245.6	271.7	305.9	339.8
75°	217.8	244.0	270.0	292.7	308.6	320.4	331.3	349.0	383.1	423.0	457.7
72.5°	285.9	319.4	348.4	373.0	395.3	419.0	445.4	474.4	510.5	550.3	586.6
70°	358.7	395.4	425.8	455.5	485.9	521.3	561.0	600.1	640.3	684.2	726.5
67.5°	429.8	465.3	501.1	538.6	584.0	631.4	678.3	732.2	787.3	836.1	879.8
65°	491.7	533.3	578.0	628.8	684.9	745.2	807.8	872.5	942.4	1001.0	1054.4
62.5°	550.7	600.8	655.1	718.4	790.0	861.3	941.2	1022.1	1100.8	1169.9	1233.7
60°	605.1	665.7	734.5	812.1	895.6	990.4	1081.4	1173.4	1259.7	1337.9	1418.6
57.5°	658.1	734.3	816.8	910.0	1015.6	1122.1	1229.1	1328.0	1425.7	1521.0	1612.3
55°	714.1	806.0	904.2	1018.4	1137.5	1263.4	1378.6	1489.1	1596.8	1712.4	1822.3
52.5°	775.7	878.3	1001.2	1129.2	1266.7	1401.9	1528.4	1654.2	1784.4	1915.2	2058.3
50°	835.2	963.1	1097.8	1246.6	1395.1	1540.0	1685.1	1830.0	1985.9	2146.4	2308.5
47.5°	904.7	1044.3	1203.4	1362.9	1525.3	1686.5	1848.2	2023.3	2200.4	2386.6	2565.9
45°	975.0	1131.9	1303.4	1483.8	1659.3	1837.8	2026.9	2220.6	2428.2	2632.9	2848.7
42.5°	1041.6	1219.1	1408.1	1602.9	1798.2	1997.6	2205.5	2431.7	2658.6	2894.7	3131.8
40°	1115.5	1301.9	1510.3	1725.0	1936.8	2157.9	2395.5	2640.5	2897.2	3156.8	3414.3
37.5°	1186.5	1391.4	1610.5	1841.5	2079.2	2322.2	2580.2	2858.3	3136.7	3416.1	3700.0
35°	1252.9	1476.3	1713.6	1958.8	2210.9	2487.2	2775.8	3072.5	3374.2	3676.4	3981.8
32.5°	1321.3	1556.3	1812.1	2074.5	2352.3	2648.6	2964.7	3286.3	3607.6	3930.2	4264.5
30°	1389.9	1640.2	1907.5	2183.9	2487.8	2810.7	3150.3	3491.0	3830.9	4185.9	4542.2
27.5°	1454.7	1719.9	2001.2	2297.0	2617.7	2960.8	3321.4	3686.3	4052.8	4430.3	4810.3
25°	1514.3	1795.2	2088.2	2405.9	2745.7	3105.1	3480.9	3861.6	4263.6	4667.5	5064.4
22.5°	1572.5	1864.5	2168.7	2506.1	2861.7	3239.2	3630.5	4032.5	4452.5	4886.3	5297.1
20°	1628.4	1930.5	2247.1	2597.0	2965.6	3359.9	3766.4	4187.4	4628.1	5073.5	5515.3
17.5°	1678.1	1989.1	2320.1	2681.9	3064.8	3470.2	3888.9	4323.8	4784.0	5245.7	5713.8
15°	1721.4	2040.1	2383.4	2756.1	3152.5	3570.5	4002.6	4449.8	4922.0	5402.7	5889.3
12.5°	1758.0	2083.3	2436.6	2819.1	3226.9	3656.5	4100.3	4563.2	5048.1	5542.3	6043.0
10°	1787.7	2118.5	2479.7	2870.6	3287.6	3727.6	4180.7	4656.7	5156.1	5661.1	6172.3
7.5°	1813.0	2147.9	2513.8	2910.3	3334.4	3783.3	4243.4	4729.7	5242.2	5753.7	6276.2
5°	1831.4	2171.6	2545.2	2943.6	3375.1	3826.8	4290.9	4781.6	5305.2	5819.7	6351.5
2.5°	1842.5	2187.1	2566.5	2965.2	3407.1	3859.4	4333.0	4827.6	5351.3	5872.1	6408.2
0°	1846.2	2194.0	2577.5	2974.4	3424.8	3875.2	4356.8	4851.8	5373.5	5904.2	6443.8
-2.5°	1842.5	2187.1	2566.5	2965.2	3407.1	3859.4	4333.0	4827.6	5351.3	5872.1	6408.2
-5°	1831.4	2171.6	2545.2	2943.6	3375.1	3826.8	4290.9	4781.6	5305.2	5819.7	6351.5
-7.5°	1813.0	2147.9	2513.8	2910.3	3334.4	3783.3	4243.4	4729.7	5242.2	5753.7	6276.2
-10°	1787.7	2118.5	2479.7	2870.6	3287.6	3727.6	4180.7	4656.7	5156.1	5661.1	6172.3
-12.5°	1758.0	2083.3	2436.6	2819.1	3226.9	3656.5	4100.3	4563.2	5048.1	5542.3	6043.0
-15°	1721.4	2040.1	2383.4	2756.1	3152.5	3570.5	4002.6	4449.8	4922.0	5402.7	5889.3
-17.5°	1678.1	1989.1	2320.1	2681.9	3064.8	3470.2	3888.9	4323.8	4784.0	5245.7	5713.8
-20°	1628.4	1930.5	2247.1	2597.0	2965.6	3359.9	3766.4	4187.4	4628.1	5073.5	5515.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1572.5	1864.5	2168.7	2506.1	2861.7	3239.2	3630.5	4032.5	4452.5	4886.3	5297.1
-25°	1514.3	1795.2	2088.2	2405.9	2745.7	3105.1	3480.9	3861.6	4263.6	4667.5	5064.4
-27.5°	1454.7	1719.9	2001.2	2297.0	2617.7	2960.8	3321.4	3686.3	4052.8	4430.3	4810.3
-30°	1389.9	1640.2	1907.5	2183.9	2487.8	2810.7	3150.3	3491.0	3830.9	4185.9	4542.2
-32.5°	1321.3	1556.3	1812.1	2074.5	2352.3	2648.6	2964.7	3286.3	3607.6	3930.2	4264.5
-35°	1252.9	1476.3	1713.6	1958.8	2210.9	2487.2	2775.8	3072.5	3374.2	3676.4	3981.8
-37.5°	1186.5	1391.4	1610.5	1841.5	2079.2	2322.2	2580.2	2858.3	3136.7	3416.1	3700.0
-40°	1115.5	1301.9	1510.3	1725.0	1936.8	2157.9	2395.5	2640.5	2897.2	3156.8	3414.3
-42.5°	1041.6	1219.1	1408.1	1602.9	1798.2	1997.6	2205.5	2431.7	2658.6	2894.7	3131.8
-45°	975.0	1131.9	1303.4	1483.8	1659.3	1837.8	2026.9	2220.6	2428.2	2632.9	2848.7
-47.5°	904.7	1044.3	1203.4	1362.9	1525.3	1686.5	1848.2	2023.3	2200.4	2386.6	2565.9
-50°	835.2	963.1	1097.8	1246.6	1395.1	1540.0	1685.1	1830.0	1985.9	2146.4	2308.5
-52.5°	775.7	878.3	1001.2	1129.2	1266.7	1401.9	1528.4	1654.2	1784.4	1915.2	2058.3
-55°	714.1	806.0	904.2	1018.4	1137.5	1263.4	1378.6	1489.1	1596.8	1712.4	1822.3
-57.5°	658.1	734.3	816.8	910.0	1015.6	1122.1	1229.1	1328.0	1425.7	1521.0	1612.3
-60°	605.1	665.7	734.5	812.1	895.6	990.4	1081.4	1173.4	1259.7	1337.9	1418.6
-62.5°	550.7	600.8	655.1	718.4	790.0	861.3	941.2	1022.1	1100.8	1169.9	1233.7
-65°	491.7	533.3	578.0	628.8	684.9	745.2	807.8	872.5	942.4	1001.0	1054.4
-67.5°	429.8	465.3	501.1	538.6	584.0	631.4	678.3	732.2	787.3	836.1	879.8
-70°	358.7	395.4	425.8	455.5	485.9	521.3	561.0	600.1	640.3	684.2	726.5
-72.5°	285.9	319.4	348.4	373.0	395.3	419.0	445.4	474.4	510.5	550.3	586.6
-75°	217.8	244.0	270.0	292.7	308.6	320.4	331.3	349.0	383.1	423.0	457.7
-77.5°	153.3	177.1	197.9	215.6	225.1	233.5	240.4	245.6	271.7	305.9	339.8
-80°	96.6	110.8	129.6	146.3	153.5	157.3	159.0	158.7	179.0	206.0	234.5
-82.5°	54.2	65.4	76.1	86.3	88.9	88.9	88.1	88.3	104.4	122.8	141.6
-85°	17.4	20.0	27.8	35.3	38.9	41.1	42.1	42.0	48.8	56.7	65.3
-87.5°	8.7	10.0	11.4	12.8	12.9	12.9	12.8	12.6	13.1	13.6	14.1
-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: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-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°	14.6	15.0	15.4	15.8	16.1	16.4	16.7	17.0	17.2	16.3	15.4
85°	74.5	79.7	84.7	89.4	93.9	98.1	102.1	105.8	109.2	99.7	89.3
82.5°	160.8	173.7	186.0	198.2	210.3	213.4	214.4	214.0	212.3	195.6	177.2
80°	262.6	284.4	305.1	325.5	345.7	347.9	345.6	341.5	335.6	313.8	289.0
77.5°	373.6	401.2	425.3	447.3	467.4	471.2	470.6	469.6	467.9	445.7	418.7
75°	487.4	514.4	540.3	562.4	580.8	589.3	593.4	596.3	598.0	582.0	561.1
72.5°	619.4	647.4	670.3	691.7	709.9	723.0	732.4	739.6	744.4	739.6	731.0
70°	762.6	792.6	817.9	842.2	866.8	886.5	901.4	912.2	919.0	923.5	926.7
67.5°	923.9	964.2	999.3	1029.4	1059.1	1087.0	1110.0	1128.7	1143.1	1155.4	1164.9
65°	1105.5	1157.0	1202.7	1244.7	1283.2	1323.6	1356.8	1384.7	1407.1	1425.7	1440.5
62.5°	1296.5	1359.7	1418.3	1475.3	1531.1	1586.0	1628.2	1666.6	1700.7	1730.1	1753.5
60°	1495.0	1566.8	1645.5	1720.7	1789.8	1853.0	1915.8	1970.2	2016.7	2055.3	2086.4
57.5°	1708.3	1801.3	1893.3	1986.6	2074.9	2157.4	2234.7	2302.9	2360.5	2407.8	2447.4
55°	1938.7	2055.0	2161.8	2279.5	2393.3	2496.9	2588.1	2668.3	2737.6	2795.7	2845.0
52.5°	2192.1	2333.4	2472.1	2606.1	2735.3	2855.4	2964.7	3058.0	3141.0	3212.2	3269.0
50°	2469.3	2631.0	2791.7	2940.8	3089.2	3227.7	3352.9	3461.3	3557.9	3641.6	3707.4
47.5°	2759.3	2943.3	3122.8	3293.4	3457.7	3611.7	3747.2	3870.7	3991.2	4089.4	4167.1
45°	3060.4	3266.8	3464.9	3659.9	3840.8	4013.4	4180.6	4334.3	4458.0	4566.2	4657.1
42.5°	3365.2	3595.4	3817.2	4030.0	4228.9	4428.4	4616.5	4784.6	4925.6	5048.7	5152.0
40°	3673.9	3925.9	4170.3	4402.3	4629.7	4847.2	5050.7	5227.9	5386.9	5533.2	5654.9
37.5°	3981.0	4258.3	4529.0	4789.0	5039.4	5275.0	5494.9	5695.2	5874.6	6041.1	6176.3
35°	4289.5	4593.8	4890.2	5176.2	5449.7	5709.8	5950.5	6178.4	6389.8	6558.5	6696.8
32.5°	4596.9	4924.0	5246.5	5561.4	5860.7	6141.1	6401.9	6653.7	6871.3	7056.6	7215.7
30°	4894.3	5248.7	5599.8	5941.3	6264.6	6568.5	6857.2	7123.5	7357.5	7560.2	7738.6
27.5°	5186.1	5566.8	5943.6	6308.4	6658.0	6988.2	7303.3	7592.1	7847.4	8067.7	8255.8
25°	5461.9	5871.1	6272.8	6659.5	7033.0	7397.2	7737.4	8052.5	8325.2	8567.1	8760.4
22.5°	5725.5	6161.8	6583.9	6990.7	7390.2	7782.7	8155.1	8484.2	8773.2	9026.1	9240.0
20°	5971.0	6438.6	6870.4	7300.6	7721.4	8140.5	8540.4	8887.6	9193.4	9462.6	9698.4
17.5°	6200.4	6680.1	7134.7	7592.8	8036.3	8476.0	8882.3	9254.4	9584.3	9870.2	10117.2
15°	6394.7	6879.1	7375.6	7864.7	8332.4	8777.6	9183.5	9572.3	9938.6	10247.7	10498.1
12.5°	6552.0	7055.8	7573.7	8092.9	8587.6	9032.2	9457.2	9851.5	10236.3	10583.5	10813.7
10°	6686.1	7204.8	7739.5	8269.0	8770.3	9240.7	9702.8	10119.7	10497.7	10808.7	11065.8
7.5°	6802.0	7336.3	7879.4	8409.8	8909.3	9395.4	9871.1	10313.9	10695.5	10988.5	11217.8
5°	6887.5	7434.5	7988.1	8523.4	9029.9	9517.5	9995.4	10432.6	10805.2	11103.2	11353.3
2.5°	6948.6	7500.8	8058.3	8594.4	9112.1	9601.0	10090.7	10532.9	10893.7	11166.8	11406.2
0°	<b>6987.8</b>	<b>7540.8</b>	<b>8102.6</b>	<b>8651.1</b>	<b>9159.5</b>	<b>9632.2</b>	<b>10158.4</b>	<b>10573.1</b>	<b>10947.7</b>	<b>11219.7</b>	<b>11469.5</b>
-2.5°	6948.6	7500.8	8058.3	8594.4	9112.1	9601.0	10090.7	10532.9	10893.7	11166.8	11406.2
-5°	6887.5	7434.5	7988.1	8523.4	9029.9	9517.5	9995.4	10432.6	10805.2	11103.2	11353.3
-7.5°	6802.0	7336.3	7879.4	8409.8	8909.3	9395.4	9871.1	10313.9	10695.5	10988.5	11217.8
-10°	6686.1	7204.8	7739.5	8269.0	8770.3	9240.7	9702.8	10119.7	10497.7	10808.7	11065.8
-12.5°	6552.0	7055.8	7573.7	8092.9	8587.6	9032.2	9457.2	9851.5	10236.3	10583.5	10813.7
-15°	6394.7	6879.1	7375.6	7864.7	8332.4	8777.6	9183.5	9572.3	9938.6	10247.7	10498.1
-17.5°	6200.4	6680.1	7134.7	7592.8	8036.3	8476.0	8882.3	9254.4	9584.3	9870.2	10117.2
-20°	5971.0	6438.6	6870.4	7300.6	7721.4	8140.5	8540.4	8887.6	9193.4	9462.6	9698.4



REPORT NUMBER: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5725.5	6161.8	6583.9	6990.7	7390.2	7782.7	8155.1	8484.2	8773.2	9026.1	9240.0
-25°	5461.9	5871.1	6272.8	6659.5	7033.0	7397.2	7737.4	8052.5	8325.2	8567.1	8760.4
-27.5°	5186.1	5566.8	5943.6	6308.4	6658.0	6988.2	7303.3	7592.1	7847.4	8067.7	8255.8
-30°	4894.3	5248.7	5599.8	5941.3	6264.6	6568.5	6857.2	7123.5	7357.5	7560.2	7738.6
-32.5°	4596.9	4924.0	5246.5	5561.4	5860.7	6141.1	6401.9	6653.7	6871.3	7056.6	7215.7
-35°	4289.5	4593.8	4890.2	5176.2	5449.7	5709.8	5950.5	6178.4	6389.8	6558.5	6696.8
-37.5°	3981.0	4258.3	4529.0	4789.0	5039.4	5275.0	5494.9	5695.2	5874.6	6041.1	6176.3
-40°	3673.9	3925.9	4170.3	4402.3	4629.7	4847.2	5050.7	5227.9	5386.9	5533.2	5654.9
-42.5°	3365.2	3595.4	3817.2	4030.0	4228.9	4428.4	4616.5	4784.6	4925.6	5048.7	5152.0
-45°	3060.4	3266.8	3464.9	3659.9	3840.8	4013.4	4180.6	4334.3	4458.0	4566.2	4657.1
-47.5°	2759.3	2943.3	3122.8	3293.4	3457.7	3611.7	3747.2	3870.7	3991.2	4089.4	4167.1
-50°	2469.3	2631.0	2791.7	2940.8	3089.2	3227.7	3352.9	3461.3	3557.9	3641.6	3707.4
-52.5°	2192.1	2333.4	2472.1	2606.1	2735.3	2855.4	2964.7	3058.0	3141.0	3212.2	3269.0
-55°	1938.7	2055.0	2161.8	2279.5	2393.3	2496.9	2588.1	2668.3	2737.6	2795.7	2845.0
-57.5°	1708.3	1801.3	1893.3	1986.6	2074.9	2157.4	2234.7	2302.9	2360.5	2407.8	2447.4
-60°	1495.0	1566.8	1645.5	1720.7	1789.8	1853.0	1915.8	1970.2	2016.7	2055.3	2086.4
-62.5°	1296.5	1359.7	1418.3	1475.3	1531.1	1586.0	1628.2	1666.6	1700.7	1730.1	1753.5
-65°	1105.5	1157.0	1202.7	1244.7	1283.2	1323.6	1356.8	1384.7	1407.1	1425.7	1440.5
-67.5°	923.9	964.2	999.3	1029.4	1059.1	1087.0	1110.0	1128.7	1143.1	1155.4	1164.9
-70°	762.6	792.6	817.9	842.2	866.8	886.5	901.4	912.2	919.0	923.5	926.7
-72.5°	619.4	647.4	670.3	691.7	709.9	723.0	732.4	739.6	744.4	739.6	731.0
-75°	487.4	514.4	540.3	562.4	580.8	589.3	593.4	596.3	598.0	582.0	561.1
-77.5°	373.6	401.2	425.3	447.3	467.4	471.2	470.6	469.6	467.9	445.7	418.7
-80°	262.6	284.4	305.1	325.5	345.7	347.9	345.6	341.5	335.6	313.8	289.0
-82.5°	160.8	173.7	186.0	198.2	210.3	213.4	214.4	214.0	212.3	195.6	177.2
-85°	74.5	79.7	84.7	89.4	93.9	98.1	102.1	105.8	109.2	99.7	89.3
-87.5°	14.6	15.0	15.4	15.8	16.1	16.4	16.7	17.0	17.2	16.3	15.4
-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: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-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°	14.4	13.4	13.4	13.4	13.4	13.4	14.4	15.4	16.3	17.2	17.0
85°	78.2	66.6	62.4	58.0	62.4	66.6	78.2	89.3	99.7	109.2	105.8
82.5°	157.9	137.7	131.4	124.9	131.4	137.7	157.9	177.2	195.6	212.3	214.0
80°	263.0	235.7	225.0	214.0	225.0	235.7	263.0	289.0	313.8	335.6	341.5
77.5°	390.3	360.3	347.6	334.5	347.6	360.3	390.3	418.7	445.7	467.9	469.6
75°	539.0	515.5	501.3	486.1	501.3	515.5	539.0	561.1	582.0	598.0	596.3
72.5°	721.2	709.7	699.4	686.7	699.4	709.7	721.2	731.0	739.6	744.4	739.6
70°	927.7	926.2	928.1	927.5	928.1	926.2	927.7	926.7	923.5	919.0	912.2
67.5°	1169.8	1170.1	1175.1	1177.3	1175.1	1170.1	1169.8	1164.9	1155.4	1143.1	1128.7
65°	1449.7	1453.2	1451.9	1444.8	1451.9	1453.2	1449.7	1440.5	1425.7	1407.1	1384.7
62.5°	1770.1	1779.7	1785.0	1783.7	1785.0	1779.7	1770.1	1753.5	1730.1	1700.7	1666.6
60°	2109.7	2124.7	2132.4	2131.6	2132.4	2124.7	2109.7	2086.4	2055.3	2016.7	1970.2
57.5°	2477.0	2496.4	2500.9	2492.8	2500.9	2496.4	2477.0	2447.4	2407.8	2360.5	2302.9
55°	2882.2	2906.9	2916.5	2912.0	2916.5	2906.9	2882.2	2845.0	2795.7	2737.6	2668.3
52.5°	3310.7	3337.4	3346.9	3340.1	3346.9	3337.4	3310.7	3269.0	3212.2	3141.0	3058.0
50°	3755.7	3788.1	3801.1	3794.9	3801.1	3788.1	3755.7	3707.4	3641.6	3557.9	3461.3
47.5°	4228.0	4271.1	4287.9	4276.5	4287.9	4271.1	4228.0	4167.1	4089.4	3991.2	3870.7
45°	4725.1	4769.8	4787.2	4776.0	4787.2	4769.8	4725.1	4657.1	4566.2	4458.0	4334.3
42.5°	5231.0	5289.1	5313.7	5293.3	5313.7	5289.1	5231.0	5152.0	5048.7	4925.6	4784.6
40°	5745.9	5808.9	5838.0	5823.9	5838.0	5808.9	5745.9	5654.9	5533.2	5386.9	5227.9
37.5°	6273.9	6336.7	6367.6	6368.0	6367.6	6336.7	6273.9	6176.3	6041.1	5874.6	5695.2
35°	6804.0	6880.0	6923.0	6920.9	6923.0	6880.0	6804.0	6696.8	6558.5	6389.8	6178.4
32.5°	7341.4	7423.7	7467.7	7473.9	7467.7	7423.7	7341.4	7215.7	7056.6	6871.3	6653.7
30°	7878.0	7968.5	8019.3	8040.2	8019.3	7968.5	7878.0	7738.6	7560.2	7357.5	7123.5
27.5°	8398.3	8509.7	8586.5	8593.2	8586.5	8509.7	8398.3	8255.8	8067.7	7847.4	7592.1
25°	8902.2	9015.6	9094.4	9110.5	9094.4	9015.6	8902.2	8760.4	8567.1	8325.2	8052.5
22.5°	9398.9	9517.4	9590.2	9618.8	9590.2	9517.4	9398.9	9240.0	9026.1	8773.2	8484.2
20°	9873.1	10001.5	10078.7	10109.4	10078.7	10001.5	9873.1	9698.4	9462.6	9193.4	8887.6
17.5°	10302.0	10437.7	10533.0	10559.8	10533.0	10437.7	10302.0	10117.2	9870.2	9584.3	9254.4
15°	10679.5	10808.2	10898.6	10934.3	10898.6	10808.2	10679.5	10498.1	10247.7	9938.6	9572.3
12.5°	10986.8	11101.9	11172.7	11206.4	11172.7	11101.9	10986.8	10813.7	10583.5	10236.3	9851.5
10°	11226.8	11342.3	11409.9	11456.1	11409.9	11342.3	11226.8	11065.8	10808.7	10497.7	10119.7
7.5°	11435.1	11553.5	11636.3	11701.3	11636.3	11553.5	11435.1	11217.8	10988.5	10695.5	10313.9
5°	11550.2	11747.8	11777.5	11821.8	11777.5	11747.8	11550.2	11353.3	11103.2	10805.2	10432.6
2.5°	11637.9	11778.0	11862.3	11853.0	11862.3	11778.0	11637.9	11406.2	11166.8	10893.7	10532.9
0°	11701.3	11826.2	11857.4	11897.6	11857.4	11826.2	11701.3	11469.5	11219.7	10947.7	10573.1
-2.5°	11637.9	11778.0	11862.3	11853.0	11862.3	11778.0	11637.9	11406.2	11166.8	10893.7	10532.9
-5°	11550.2	11747.8	11777.5	11821.8	11777.5	11747.8	11550.2	11353.3	11103.2	10805.2	10432.6
-7.5°	11435.1	11553.5	11636.3	11701.3	11636.3	11553.5	11435.1	11217.8	10988.5	10695.5	10313.9
-10°	11226.8	11342.3	11409.9	11456.1	11409.9	11342.3	11226.8	11065.8	10808.7	10497.7	10119.7
-12.5°	10986.8	11101.9	11172.7	11206.4	11172.7	11101.9	10986.8	10813.7	10583.5	10236.3	9851.5
-15°	10679.5	10808.2	10898.6	10934.3	10898.6	10808.2	10679.5	10498.1	10247.7	9938.6	9572.3
-17.5°	10302.0	10437.7	10533.0	10559.8	10533.0	10437.7	10302.0	10117.2	9870.2	9584.3	9254.4
-20°	9873.1	10001.5	10078.7	10109.4	10078.7	10001.5	9873.1	9698.4	9462.6	9193.4	8887.6



REPORT NUMBER: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9398.9	9517.4	9590.2	9618.8	9590.2	9517.4	9398.9	9240.0	9026.1	8773.2	8484.2
-25°	8902.2	9015.6	9094.4	9110.5	9094.4	9015.6	8902.2	8760.4	8567.1	8325.2	8052.5
-27.5°	8398.3	8509.7	8586.5	8593.2	8586.5	8509.7	8398.3	8255.8	8067.7	7847.4	7592.1
-30°	7878.0	7968.5	8019.3	8040.2	8019.3	7968.5	7878.0	7738.6	7560.2	7357.5	7123.5
-32.5°	7341.4	7423.7	7467.7	7473.9	7467.7	7423.7	7341.4	7215.7	7056.6	6871.3	6653.7
-35°	6804.0	6880.0	6923.0	6920.9	6923.0	6880.0	6804.0	6696.8	6558.5	6389.8	6178.4
-37.5°	6273.9	6336.7	6367.6	6368.0	6367.6	6336.7	6273.9	6176.3	6041.1	5874.6	5695.2
-40°	5745.9	5808.9	5838.0	5823.9	5838.0	5808.9	5745.9	5654.9	5533.2	5386.9	5227.9
-42.5°	5231.0	5289.1	5313.7	5293.3	5313.7	5289.1	5231.0	5152.0	5048.7	4925.6	4784.6
-45°	4725.1	4769.8	4787.2	4776.0	4787.2	4769.8	4725.1	4657.1	4566.2	4458.0	4334.3
-47.5°	4228.0	4271.1	4287.9	4276.5	4287.9	4271.1	4228.0	4167.1	4089.4	3991.2	3870.7
-50°	3755.7	3788.1	3801.1	3794.9	3801.1	3788.1	3755.7	3707.4	3641.6	3557.9	3461.3
-52.5°	3310.7	3337.4	3346.9	3340.1	3346.9	3337.4	3310.7	3269.0	3212.2	3141.0	3058.0
-55°	2882.2	2906.9	2916.5	2912.0	2916.5	2906.9	2882.2	2845.0	2795.7	2737.6	2668.3
-57.5°	2477.0	2496.4	2500.9	2492.8	2500.9	2496.4	2477.0	2447.4	2407.8	2360.5	2302.9
-60°	2109.7	2124.7	2132.4	2131.6	2132.4	2124.7	2109.7	2086.4	2055.3	2016.7	1970.2
-62.5°	1770.1	1779.7	1785.0	1783.7	1785.0	1779.7	1770.1	1753.5	1730.1	1700.7	1666.6
-65°	1449.7	1453.2	1451.9	1444.8	1451.9	1453.2	1449.7	1440.5	1425.7	1407.1	1384.7
-67.5°	1169.8	1170.1	1175.1	1177.3	1175.1	1170.1	1169.8	1164.9	1155.4	1143.1	1128.7
-70°	927.7	926.2	928.1	927.5	928.1	926.2	927.7	926.7	923.5	919.0	912.2
-72.5°	721.2	709.7	699.4	686.7	699.4	709.7	721.2	731.0	739.6	744.4	739.6
-75°	539.0	515.5	501.3	486.1	501.3	515.5	539.0	561.1	582.0	598.0	596.3
-77.5°	390.3	360.3	347.6	334.5	347.6	360.3	390.3	418.7	445.7	467.9	469.6
-80°	263.0	235.7	225.0	214.0	225.0	235.7	263.0	289.0	313.8	335.6	341.5
-82.5°	157.9	137.7	131.4	124.9	131.4	137.7	157.9	177.2	195.6	212.3	214.0
-85°	78.2	66.6	62.4	58.0	62.4	66.6	78.2	89.3	99.7	109.2	105.8
-87.5°	14.4	13.4	13.4	13.4	13.4	13.4	14.4	15.4	16.3	17.2	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



REPORT NUMBER: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-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°	16.7	16.4	16.1	15.8	15.4	15.0	14.6	14.1	13.6	13.1	12.6
85°	102.1	98.1	93.9	89.4	84.7	79.7	74.5	65.3	56.7	48.8	42.0
82.5°	214.4	213.4	210.3	198.2	186.0	173.7	160.8	141.6	122.8	104.4	88.3
80°	345.6	347.9	345.7	325.5	305.1	284.4	262.6	234.5	206.0	179.0	158.7
77.5°	470.6	471.2	467.4	447.3	425.3	401.2	373.6	339.8	305.9	271.7	245.6
75°	593.4	589.3	580.8	562.4	540.3	514.4	487.4	457.7	423.0	383.1	349.0
72.5°	732.4	723.0	709.9	691.7	670.3	647.4	619.4	586.6	550.3	510.5	474.4
70°	901.4	886.5	866.8	842.2	817.9	792.6	762.6	726.5	684.2	640.3	600.1
67.5°	1110.0	1087.0	1059.1	1029.4	999.3	964.2	923.9	879.8	836.1	787.3	732.2
65°	1356.8	1323.6	1283.2	1244.7	1202.7	1157.0	1105.5	1054.4	1001.0	942.4	872.5
62.5°	1628.2	1586.0	1531.1	1475.3	1418.3	1359.7	1296.5	1233.7	1169.9	1100.8	1022.1
60°	1915.8	1853.0	1789.8	1720.7	1645.5	1566.8	1495.0	1418.6	1337.9	1259.7	1173.4
57.5°	2234.7	2157.4	2074.9	1986.6	1893.3	1801.3	1708.3	1612.3	1521.0	1425.7	1328.0
55°	2588.1	2496.9	2393.3	2279.5	2161.8	2055.0	1938.7	1822.3	1712.4	1596.8	1489.1
52.5°	2964.7	2855.4	2735.3	2606.1	2472.1	2333.4	2192.1	2058.3	1915.2	1784.4	1654.2
50°	3352.9	3227.7	3089.2	2940.8	2791.7	2631.0	2469.3	2308.5	2146.4	1985.9	1830.0
47.5°	3747.2	3611.7	3457.7	3293.4	3122.8	2943.3	2759.3	2565.9	2386.6	2200.4	2023.3
45°	4180.6	4013.4	3840.8	3659.9	3464.9	3266.8	3060.4	2848.7	2632.9	2428.2	2220.6
42.5°	4616.5	4428.4	4228.9	4030.0	3817.2	3595.4	3365.2	3131.8	2894.7	2658.6	2431.7
40°	5050.7	4847.2	4629.7	4402.3	4170.3	3925.9	3673.9	3414.3	3156.8	2897.2	2640.5
37.5°	5494.9	5275.0	5039.4	4789.0	4529.0	4258.3	3981.0	3700.0	3416.1	3136.7	2858.3
35°	5950.5	5709.8	5449.7	5176.2	4890.2	4593.8	4289.5	3981.8	3676.4	3374.2	3072.5
32.5°	6401.9	6141.1	5860.7	5561.4	5246.5	4924.0	4596.9	4264.5	3930.2	3607.6	3286.3
30°	6857.2	6568.5	6264.6	5941.3	5599.8	5248.7	4894.3	4542.2	4185.9	3830.9	3491.0
27.5°	7303.3	6988.2	6658.0	6308.4	5943.6	5566.8	5186.1	4810.3	4430.3	4052.8	3686.3
25°	7737.4	7397.2	7033.0	6659.5	6272.8	5871.1	5461.9	5064.4	4667.5	4263.6	3861.6
22.5°	8155.1	7782.7	7390.2	6990.7	6583.9	6161.8	5725.5	5297.1	4886.3	4452.5	4032.5
20°	8540.4	8140.5	7721.4	7300.6	6870.4	6438.6	5971.0	5515.3	5073.5	4628.1	4187.4
17.5°	8882.3	8476.0	8036.3	7592.8	7134.7	6680.1	6200.4	5713.8	5245.7	4784.0	4323.8
15°	9183.5	8777.6	8332.4	7864.7	7375.6	6879.1	6394.7	5889.3	5402.7	4922.0	4449.8
12.5°	9457.2	9032.2	8587.6	8092.9	7573.7	7055.8	6552.0	6043.0	5542.3	5048.1	4563.2
10°	9702.8	9240.7	8770.3	8269.0	7739.5	7204.8	6686.1	6172.3	5661.1	5156.1	4656.7
7.5°	9871.1	9395.4	8909.3	8409.8	7879.4	7336.3	6802.0	6276.2	5753.7	5242.2	4729.7
5°	9995.4	9517.5	9029.9	8523.4	7988.1	7434.5	6887.5	6351.5	5819.7	5305.2	4781.6
2.5°	10090.7	9601.0	9112.1	8594.4	8058.3	7500.8	6948.6	6408.2	5872.1	5351.3	4827.6
0°	10158.4	9632.2	9159.5	8651.1	8102.6	7540.8	6987.8	6443.8	5904.2	5373.5	4851.8
-2.5°	10090.7	9601.0	9112.1	8594.4	8058.3	7500.8	6948.6	6408.2	5872.1	5351.3	4827.6
-5°	9995.4	9517.5	9029.9	8523.4	7988.1	7434.5	6887.5	6351.5	5819.7	5305.2	4781.6
-7.5°	9871.1	9395.4	8909.3	8409.8	7879.4	7336.3	6802.0	6276.2	5753.7	5242.2	4729.7
-10°	9702.8	9240.7	8770.3	8269.0	7739.5	7204.8	6686.1	6172.3	5661.1	5156.1	4656.7
-12.5°	9457.2	9032.2	8587.6	8092.9	7573.7	7055.8	6552.0	6043.0	5542.3	5048.1	4563.2
-15°	9183.5	8777.6	8332.4	7864.7	7375.6	6879.1	6394.7	5889.3	5402.7	4922.0	4449.8
-17.5°	8882.3	8476.0	8036.3	7592.8	7134.7	6680.1	6200.4	5713.8	5245.7	4784.0	4323.8
-20°	8540.4	8140.5	7721.4	7300.6	6870.4	6438.6	5971.0	5515.3	5073.5	4628.1	4187.4



REPORT NUMBER: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8155.1	7782.7	7390.2	6990.7	6583.9	6161.8	5725.5	5297.1	4886.3	4452.5	4032.5
-25°	7737.4	7397.2	7033.0	6659.5	6272.8	5871.1	5461.9	5064.4	4667.5	4263.6	3861.6
-27.5°	7303.3	6988.2	6658.0	6308.4	5943.6	5566.8	5186.1	4810.3	4430.3	4052.8	3686.3
-30°	6857.2	6568.5	6264.6	5941.3	5599.8	5248.7	4894.3	4542.2	4185.9	3830.9	3491.0
-32.5°	6401.9	6141.1	5860.7	5561.4	5246.5	4924.0	4596.9	4264.5	3930.2	3607.6	3286.3
-35°	5950.5	5709.8	5449.7	5176.2	4890.2	4593.8	4289.5	3981.8	3676.4	3374.2	3072.5
-37.5°	5494.9	5275.0	5039.4	4789.0	4529.0	4258.3	3981.0	3700.0	3416.1	3136.7	2858.3
-40°	5050.7	4847.2	4629.7	4402.3	4170.3	3925.9	3673.9	3414.3	3156.8	2897.2	2640.5
-42.5°	4616.5	4428.4	4228.9	4030.0	3817.2	3595.4	3365.2	3131.8	2894.7	2658.6	2431.7
-45°	4180.6	4013.4	3840.8	3659.9	3464.9	3266.8	3060.4	2848.7	2632.9	2428.2	2220.6
-47.5°	3747.2	3611.7	3457.7	3293.4	3122.8	2943.3	2759.3	2565.9	2386.6	2200.4	2023.3
-50°	3352.9	3227.7	3089.2	2940.8	2791.7	2631.0	2469.3	2308.5	2146.4	1985.9	1830.0
-52.5°	2964.7	2855.4	2735.3	2606.1	2472.1	2333.4	2192.1	2058.3	1915.2	1784.4	1654.2
-55°	2588.1	2496.9	2393.3	2279.5	2161.8	2055.0	1938.7	1822.3	1712.4	1596.8	1489.1
-57.5°	2234.7	2157.4	2074.9	1986.6	1893.3	1801.3	1708.3	1612.3	1521.0	1425.7	1328.0
-60°	1915.8	1853.0	1789.8	1720.7	1645.5	1566.8	1495.0	1418.6	1337.9	1259.7	1173.4
-62.5°	1628.2	1586.0	1531.1	1475.3	1418.3	1359.7	1296.5	1233.7	1169.9	1100.8	1022.1
-65°	1356.8	1323.6	1283.2	1244.7	1202.7	1157.0	1105.5	1054.4	1001.0	942.4	872.5
-67.5°	1110.0	1087.0	1059.1	1029.4	999.3	964.2	923.9	879.8	836.1	787.3	732.2
-70°	901.4	886.5	866.8	842.2	817.9	792.6	762.6	726.5	684.2	640.3	600.1
-72.5°	732.4	723.0	709.9	691.7	670.3	647.4	619.4	586.6	550.3	510.5	474.4
-75°	593.4	589.3	580.8	562.4	540.3	514.4	487.4	457.7	423.0	383.1	349.0
-77.5°	470.6	471.2	467.4	447.3	425.3	401.2	373.6	339.8	305.9	271.7	245.6
-80°	345.6	347.9	345.7	325.5	305.1	284.4	262.6	234.5	206.0	179.0	158.7
-82.5°	214.4	213.4	210.3	198.2	186.0	173.7	160.8	141.6	122.8	104.4	88.3
-85°	102.1	98.1	93.9	89.4	84.7	79.7	74.5	65.3	56.7	48.8	42.0
-87.5°	16.7	16.4	16.1	15.8	15.4	15.0	14.6	14.1	13.6	13.1	12.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-735-U-VWR-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°	12.8	12.9	12.9	12.8	11.4	10.0	8.7	7.5	6.8	6.1	5.4
85°	42.1	41.1	38.9	35.3	27.8	20.0	17.4	15.0	13.6	12.2	10.7
82.5°	88.1	88.9	88.9	86.3	76.1	65.4	54.2	42.6	31.6	20.1	16.0
80°	159.0	157.3	153.5	146.3	129.6	110.8	96.6	81.9	67.6	52.6	37.0
77.5°	240.4	233.5	225.1	215.6	197.9	177.1	153.3	126.2	103.4	84.9	65.7
75°	331.3	320.4	308.6	292.7	270.0	244.0	217.8	186.3	151.2	118.2	94.2
72.5°	445.4	419.0	395.3	373.0	348.4	319.4	285.9	245.3	202.7	162.5	124.8
70°	561.0	521.3	485.9	455.5	425.8	395.4	358.7	308.6	253.2	205.9	161.6
67.5°	678.3	631.4	584.0	538.6	501.1	465.3	429.8	371.6	308.2	248.4	197.5
65°	807.8	745.2	684.9	628.8	578.0	533.3	491.7	430.6	361.4	294.3	232.4
62.5°	941.2	861.3	790.0	718.4	655.1	600.8	550.7	483.3	412.4	338.6	268.8
60°	1081.4	990.4	895.6	812.1	734.5	665.7	605.1	535.4	460.1	381.2	305.0
57.5°	1229.1	1122.1	1015.6	910.0	816.8	734.3	658.1	584.7	506.9	423.3	338.8
55°	1378.6	1263.4	1137.5	1018.4	904.2	806.0	714.1	632.0	552.2	464.7	367.9
52.5°	1528.4	1401.9	1266.7	1129.2	1001.2	878.3	775.7	678.1	593.8	505.2	398.2
50°	1685.1	1540.0	1395.1	1246.6	1097.8	963.1	835.2	731.0	634.2	543.5	427.0
47.5°	1848.2	1686.5	1525.3	1362.9	1203.4	1044.3	904.7	782.7	673.3	578.3	453.8
45°	2026.9	1837.8	1659.3	1483.8	1303.4	1131.9	975.0	832.3	717.5	605.3	478.5
42.5°	2205.5	1997.6	1798.2	1602.9	1408.1	1219.1	1041.6	890.6	759.9	631.2	501.2
40°	2395.5	2157.9	1936.8	1725.0	1510.3	1301.9	1115.5	947.5	799.5	658.1	522.6
37.5°	2580.2	2322.2	2079.2	1841.5	1610.5	1391.4	1186.5	1000.8	837.2	688.3	543.0
35°	2775.8	2487.2	2210.9	1958.8	1713.6	1476.3	1252.9	1054.5	880.5	717.7	562.2
32.5°	2964.7	2648.6	2352.3	2074.5	1812.1	1556.3	1321.3	1111.4	922.2	746.2	580.1
30°	3150.3	2810.7	2487.8	2183.9	1907.5	1640.2	1389.9	1164.6	962.0	773.8	598.1
27.5°	3321.4	2960.8	2617.7	2297.0	2001.2	1719.9	1454.7	1213.9	999.8	802.1	619.0
25°	3480.9	3105.1	2745.7	2405.9	2088.2	1795.2	1514.3	1259.5	1038.3	831.7	638.3
22.5°	3630.5	3239.2	2861.7	2506.1	2168.7	1864.5	1572.5	1308.1	1074.7	859.0	656.1
20°	3766.4	3359.9	2965.6	2597.0	2247.1	1930.5	1628.4	1351.7	1107.2	883.7	672.1
17.5°	3888.9	3470.2	3064.8	2681.9	2320.1	1989.1	1678.1	1390.1	1135.8	905.7	686.1
15°	4002.6	3570.5	3152.5	2756.1	2383.4	2040.1	1721.4	1423.2	1160.3	924.9	699.5
12.5°	4100.3	3656.5	3226.9	2819.1	2436.6	2083.3	1758.0	1451.0	1180.6	942.2	712.1
10°	4180.7	3727.6	3287.6	2870.6	2479.7	2118.5	1787.7	1474.3	1199.7	957.1	721.8
7.5°	4243.4	3783.3	3334.4	2910.3	2513.8	2147.9	1813.0	1494.5	1215.0	968.6	728.6
5°	4290.9	3826.8	3375.1	2943.6	2545.2	2171.6	1831.4	1509.0	1226.2	976.6	732.4
2.5°	4333.0	3859.4	3407.1	2965.2	2566.5	2187.1	1842.5	1517.7	1232.9	980.8	733.3
0°	4356.8	3875.2	3424.8	2974.4	2577.5	2194.0	1846.2	1520.6	1235.2	981.1	731.3
-2.5°	4333.0	3859.4	3407.1	2965.2	2566.5	2187.1	1842.5	1517.7	1232.9	980.8	733.3
-5°	4290.9	3826.8	3375.1	2943.6	2545.2	2171.6	1831.4	1509.0	1226.2	976.6	732.4
-7.5°	4243.4	3783.3	3334.4	2910.3	2513.8	2147.9	1813.0	1494.5	1215.0	968.6	728.6
-10°	4180.7	3727.6	3287.6	2870.6	2479.7	2118.5	1787.7	1474.3	1199.7	957.1	721.8
-12.5°	4100.3	3656.5	3226.9	2819.1	2436.6	2083.3	1758.0	1451.0	1180.6	942.2	712.1
-15°	4002.6	3570.5	3152.5	2756.1	2383.4	2040.1	1721.4	1423.2	1160.3	924.9	699.5
-17.5°	3888.9	3470.2	3064.8	2681.9	2320.1	1989.1	1678.1	1390.1	1135.8	905.7	686.1
-20°	3766.4	3359.9	2965.6	2597.0	2247.1	1930.5	1628.4	1351.7	1107.2	883.7	672.1



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CATALOG NUMBER: GFLD-SA3D-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3630.5	3239.2	2861.7	2506.1	2168.7	1864.5	1572.5	1308.1	1074.7	859.0	656.1
-25°	3480.9	3105.1	2745.7	2405.9	2088.2	1795.2	1514.3	1259.5	1038.3	831.7	638.3
-27.5°	3321.4	2960.8	2617.7	2297.0	2001.2	1719.9	1454.7	1213.9	999.8	802.1	619.0
-30°	3150.3	2810.7	2487.8	2183.9	1907.5	1640.2	1389.9	1164.6	962.0	773.8	598.1
-32.5°	2964.7	2648.6	2352.3	2074.5	1812.1	1556.3	1321.3	1111.4	922.2	746.2	580.1
-35°	2775.8	2487.2	2210.9	1958.8	1713.6	1476.3	1252.9	1054.5	880.5	717.7	562.2
-37.5°	2580.2	2322.2	2079.2	1841.5	1610.5	1391.4	1186.5	1000.8	837.2	688.3	543.0
-40°	2395.5	2157.9	1936.8	1725.0	1510.3	1301.9	1115.5	947.5	799.5	658.1	522.6
-42.5°	2205.5	1997.6	1798.2	1602.9	1408.1	1219.1	1041.6	890.6	759.9	631.2	501.2
-45°	2026.9	1837.8	1659.3	1483.8	1303.4	1131.9	975.0	832.3	717.5	605.3	478.5
-47.5°	1848.2	1686.5	1525.3	1362.9	1203.4	1044.3	904.7	782.7	673.3	578.3	453.8
-50°	1685.1	1540.0	1395.1	1246.6	1097.8	963.1	835.2	731.0	634.2	543.5	427.0
-52.5°	1528.4	1401.9	1266.7	1129.2	1001.2	878.3	775.7	678.1	593.8	505.2	398.2
-55°	1378.6	1263.4	1137.5	1018.4	904.2	806.0	714.1	632.0	552.2	464.7	367.9
-57.5°	1229.1	1122.1	1015.6	910.0	816.8	734.3	658.1	584.7	506.9	423.3	338.8
-60°	1081.4	990.4	895.6	812.1	734.5	665.7	605.1	535.4	460.1	381.2	305.0
-62.5°	941.2	861.3	790.0	718.4	655.1	600.8	550.7	483.3	412.4	338.6	268.8
-65°	807.8	745.2	684.9	628.8	578.0	533.3	491.7	430.6	361.4	294.3	232.4
-67.5°	678.3	631.4	584.0	538.6	501.1	465.3	429.8	371.6	308.2	248.4	197.5
-70°	561.0	521.3	485.9	455.5	425.8	395.4	358.7	308.6	253.2	205.9	161.6
-72.5°	445.4	419.0	395.3	373.0	348.4	319.4	285.9	245.3	202.7	162.5	124.8
-75°	331.3	320.4	308.6	292.7	270.0	244.0	217.8	186.3	151.2	118.2	94.2
-77.5°	240.4	233.5	225.1	215.6	197.9	177.1	153.3	126.2	103.4	84.9	65.7
-80°	159.0	157.3	153.5	146.3	129.6	110.8	96.6	81.9	67.6	52.6	37.0
-82.5°	88.1	88.9	88.9	86.3	76.1	65.4	54.2	42.6	31.6	20.1	16.0
-85°	42.1	41.1	38.9	35.3	27.8	20.0	17.4	15.0	13.6	12.2	10.7
-87.5°	12.8	12.9	12.9	12.8	11.4	10.0	8.7	7.5	6.8	6.1	5.4
-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: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-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°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
85°	9.2	7.7	6.2	4.6	3.1	1.4	0.0
82.5°	13.8	11.5	9.2	7.0	4.6	2.0	0.0
80°	20.7	15.3	12.3	9.2	6.2	2.7	0.0
77.5°	45.2	24.1	15.3	11.5	7.7	3.4	0.0
75°	69.1	41.7	20.0	13.8	9.1	4.0	0.0
72.5°	92.3	58.7	31.9	16.0	10.6	4.7	0.0
70°	115.4	75.2	43.4	19.2	12.0	5.3	0.0
67.5°	143.2	91.0	54.5	26.3	13.4	5.9	0.0
65°	169.8	108.7	65.0	33.1	14.7	6.5	0.0
62.5°	195.1	128.1	75.0	39.7	16.0	7.1	0.0
60°	218.8	146.4	84.4	45.9	17.2	7.7	0.0
57.5°	243.9	163.6	97.0	51.7	20.7	8.2	0.0
55°	267.6	179.6	108.9	57.1	24.1	8.7	0.0
52.5°	289.5	194.8	120.0	62.1	27.3	9.2	0.0
50°	309.6	210.9	130.3	66.7	30.5	9.7	0.0
47.5°	328.5	225.7	139.6	71.4	33.4	10.1	0.0
45°	349.5	238.9	148.0	77.6	36.3	10.6	0.0
42.5°	368.7	250.8	155.4	83.2	38.9	11.0	0.0
40°	386.1	261.1	162.9	89.0	41.5	11.3	0.0
37.5°	401.8	269.9	170.3	94.6	43.8	11.7	0.0
35°	415.5	280.1	176.6	99.9	46.0	12.0	0.0
32.5°	428.3	290.3	181.9	104.8	48.0	12.3	0.0
30°	441.5	299.0	186.2	109.2	49.9	12.6	0.0
27.5°	453.4	306.2	192.5	113.3	51.5	12.8	0.0
25°	463.9	311.9	198.5	116.9	53.0	13.0	0.0
22.5°	472.9	317.7	203.8	120.1	54.3	13.2	0.0
20°	480.3	325.6	208.3	122.8	55.5	13.3	0.0
17.5°	489.5	332.0	212.1	125.1	56.4	13.4	0.0
15°	499.2	337.0	215.2	127.0	57.2	13.5	0.0
12.5°	507.0	340.7	217.6	128.5	57.8	13.5	0.0
10°	513.0	342.9	219.2	129.5	58.2	13.6	0.0
7.5°	517.1	343.8	220.1	130.1	58.4	13.6	0.0
5°	519.2	343.4	220.3	130.2	58.4	13.5	0.0
2.5°	519.3	341.8	219.7	130.0	58.3	13.5	0.0
0°	517.3	338.9	218.5	129.3	58.0	13.4	0.0
-2.5°	519.3	341.8	219.7	130.0	58.3	13.5	0.0
-5°	519.2	343.4	220.3	130.2	58.4	13.5	0.0
-7.5°	517.1	343.8	220.1	130.1	58.4	13.6	0.0
-10°	513.0	342.9	219.2	129.5	58.2	13.6	0.0
-12.5°	507.0	340.7	217.6	128.5	57.8	13.5	0.0
-15°	499.2	337.0	215.2	127.0	57.2	13.5	0.0
-17.5°	489.5	332.0	212.1	125.1	56.4	13.4	0.0
-20°	480.3	325.6	208.3	122.8	55.5	13.3	0.0

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REPORT NUMBER: P627221 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-735-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	472.9	317.7	203.8	120.1	54.3	13.2	0.0
-25°	463.9	311.9	198.5	116.9	53.0	13.0	0.0
-27.5°	453.4	306.2	192.5	113.3	51.5	12.8	0.0
-30°	441.5	299.0	186.2	109.2	49.9	12.6	0.0
-32.5°	428.3	290.3	181.9	104.8	48.0	12.3	0.0
-35°	415.5	280.1	176.6	99.9	46.0	12.0	0.0
-37.5°	401.8	269.9	170.3	94.6	43.8	11.7	0.0
-40°	386.1	261.1	162.9	89.0	41.5	11.3	0.0
-42.5°	368.7	250.8	155.4	83.2	38.9	11.0	0.0
-45°	349.5	238.9	148.0	77.6	36.3	10.6	0.0
-47.5°	328.5	225.7	139.6	71.4	33.4	10.1	0.0
-50°	309.6	210.9	130.3	66.7	30.5	9.7	0.0
-52.5°	289.5	194.8	120.0	62.1	27.3	9.2	0.0
-55°	267.6	179.6	108.9	57.1	24.1	8.7	0.0
-57.5°	243.9	163.6	97.0	51.7	20.7	8.2	0.0
-60°	218.8	146.4	84.4	45.9	17.2	7.7	0.0
-62.5°	195.1	128.1	75.0	39.7	16.0	7.1	0.0
-65°	169.8	108.7	65.0	33.1	14.7	6.5	0.0
-67.5°	143.2	91.0	54.5	26.3	13.4	5.9	0.0
-70°	115.4	75.2	43.4	19.2	12.0	5.3	0.0
-72.5°	92.3	58.7	31.9	16.0	10.6	4.7	0.0
-75°	69.1	41.7	20.0	13.8	9.1	4.0	0.0
-77.5°	45.2	24.1	15.3	11.5	7.7	3.4	0.0
-80°	20.7	15.3	12.3	9.2	6.2	2.7	0.0
-82.5°	13.8	11.5	9.2	7.0	4.6	2.0	0.0
-85°	9.2	7.7	6.2	4.6	3.1	1.4	0.0
-87.5°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)