

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: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-722-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627911 (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-SA6D-722-U-VWR-XX  
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N135  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

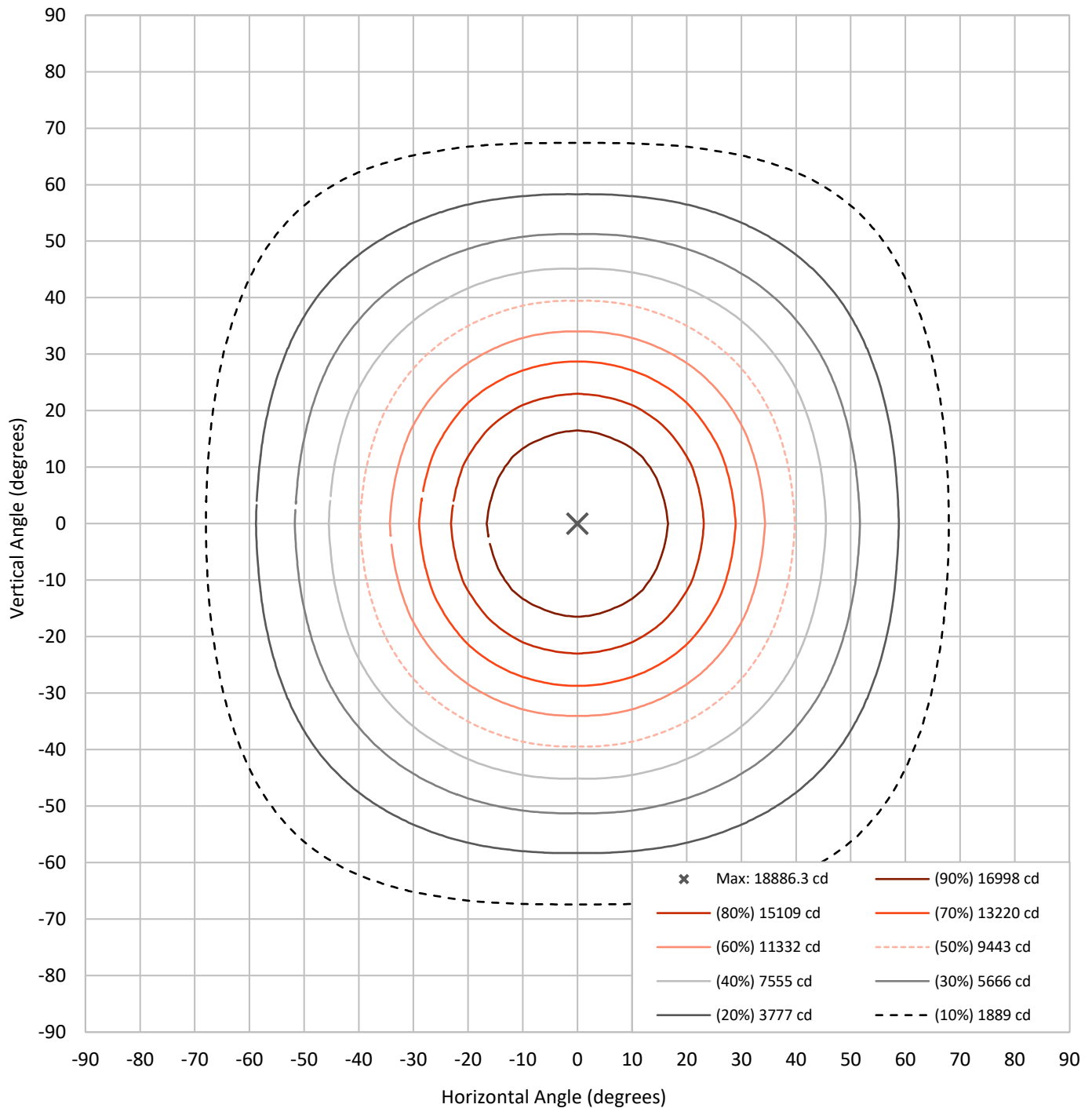
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	34135.3 lumens	Max Intensity:	18886.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' 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:	20020.5 lumens	Field Lumens:	32542.2 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	325.9		
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





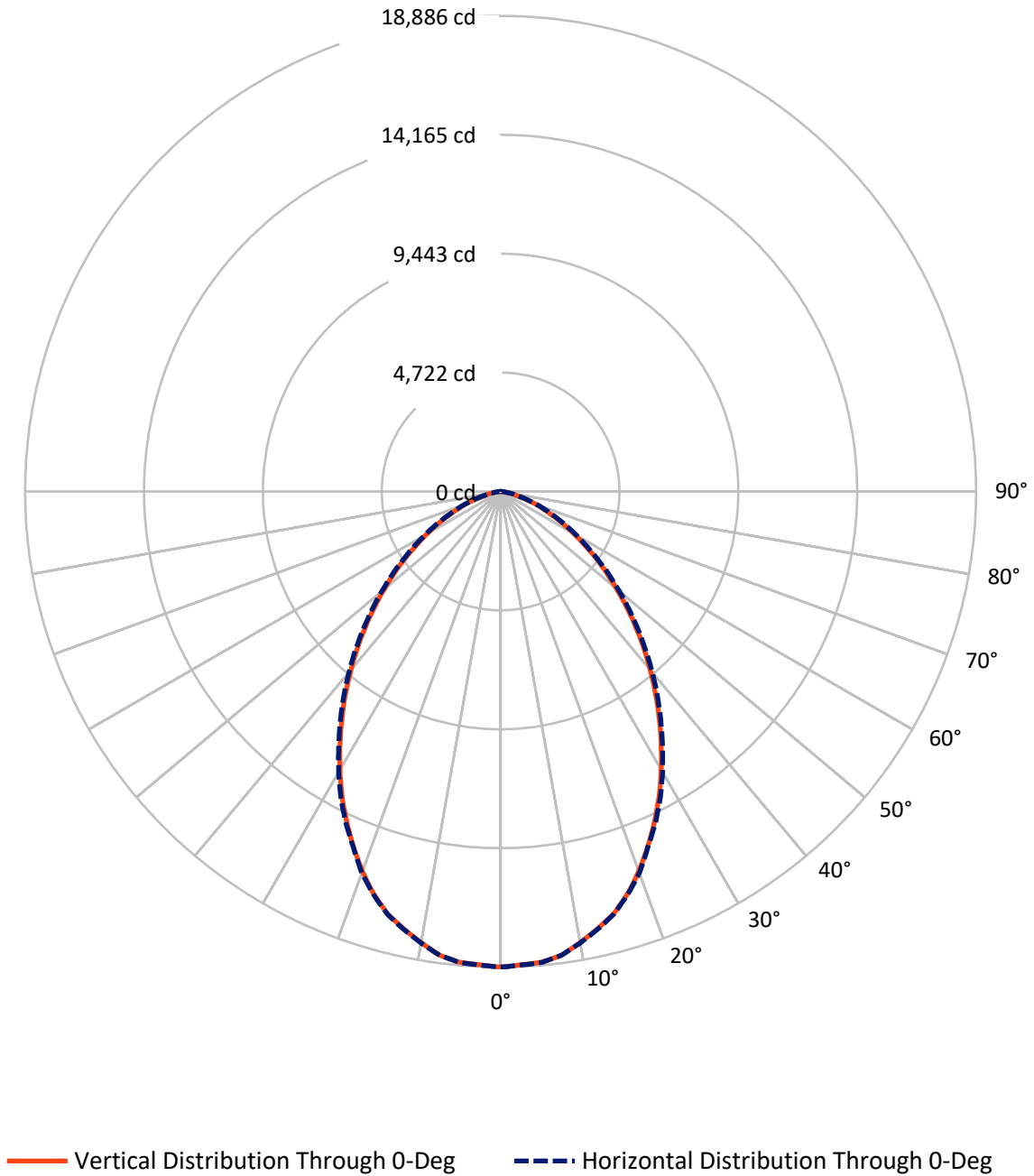
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### Lumen Table

90																			
80	1.2	14.0	38.1	64.6	61.0	64.6	38.1	14.0	1.2										
70																			
60	6.3	8.8	17.7	30.1	44.1	56.9	66.6	71.2	71.2	66.6	56.9	44.1	30.1	17.7	8.8				6.3
50																			
40	11.1	13.1	28.7	51.2	77.5	105.4	128.3	140.2	140.2	128.3	105.4	77.5	51.2	28.7	13.1				11.1
30																			
20	14.3	17.6	41.5	76.6	121.4	168.3	207.6	229.1	229.1	207.6	168.3	121.4	76.6	41.5	17.6				14.3
10																			
0	15.6	22.3	55.0	105.5	170.0	238.3	296.7	329.8	329.8	296.7	238.3	170.0	105.5	55.0	22.3				15.6
-10																			
-20	14.3	26.7	67.6	132.6	216.4	307.2	386.4	431.8	431.8	386.4	307.2	216.4	132.6	67.6	26.7				14.3
-30																			
-40	11.1	30.1	77.4	153.0	252.6	363.1	460.4	515.8	515.8	460.4	363.1	252.6	153.0	77.4	30.1				11.1
-50																			
-60	6.3	32.0	82.8	164.5	272.8	394.0	500.5	558.7	558.7	500.5	394.0	272.8	164.5	82.8	32.0				6.3
-70																			
-80	1.2	8.8	17.7	30.1	44.1	56.9	66.6	71.2	71.2	66.6	56.9	44.1	30.1	17.7	8.8				1.2
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

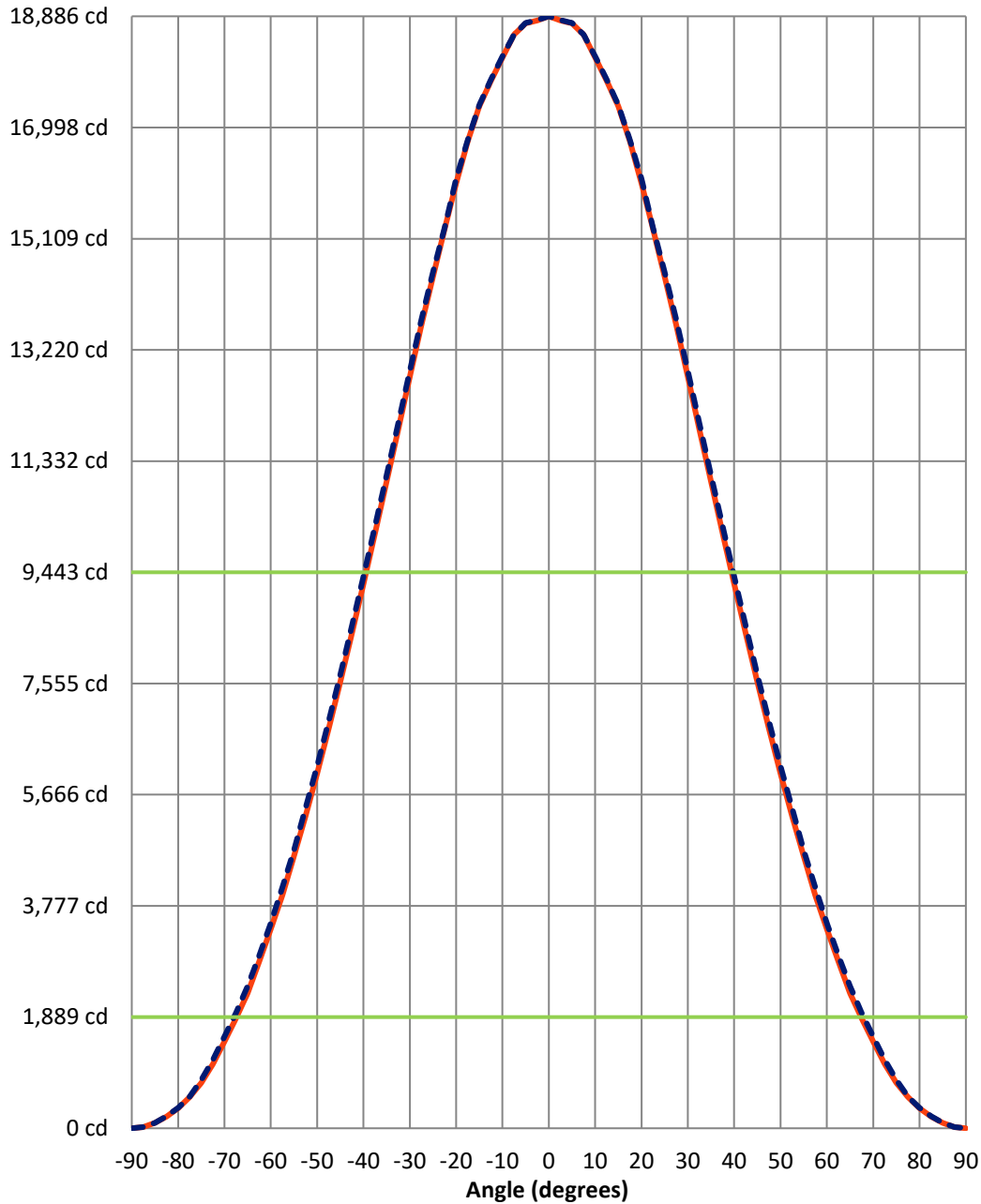
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 20020.5  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 32542.2  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 1593.1  
 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	1.1	2.5	3.7	4.9	6.1	7.3	8.5	9.7	10.8	12.0
85°	0.0	2.2	4.9	7.4	9.8	12.2	14.6	17.0	19.3	21.6	23.9
82.5°	0.0	3.2	7.4	11.1	14.7	18.3	21.9	25.5	31.9	50.2	67.7
80°	0.0	4.3	9.8	14.7	19.6	24.4	33.0	58.7	83.5	107.3	130.1
77.5°	0.0	5.3	12.2	18.3	24.4	38.2	71.8	104.3	134.8	164.1	200.4
75°	0.0	6.4	14.5	21.9	31.8	66.2	109.8	149.5	187.7	240.1	295.7
72.5°	0.0	7.4	16.8	25.5	50.6	93.3	146.5	198.2	258.0	321.8	389.4
70°	0.0	8.4	19.0	30.5	68.9	119.4	183.3	256.5	326.9	402.1	489.9
67.5°	0.0	9.4	21.2	41.8	86.5	144.5	227.4	313.5	394.4	489.2	589.9
65°	0.0	10.3	23.3	52.7	103.2	172.6	269.6	368.9	467.2	573.8	683.5
62.5°	0.0	11.2	25.4	63.0	119.1	203.3	309.7	426.8	537.5	654.7	767.3
60°	0.0	12.1	27.3	72.8	134.0	232.4	347.4	484.3	605.2	730.3	849.8
57.5°	0.0	13.0	32.8	82.0	153.9	259.7	387.2	537.8	672.0	804.7	928.1
55°	0.0	13.8	38.2	90.6	172.9	285.1	424.8	584.1	737.7	876.5	1003.2
52.5°	0.0	14.6	43.4	98.6	190.5	309.3	459.7	632.2	801.9	942.6	1076.4
50°	0.0	15.4	48.3	105.8	206.8	334.9	491.6	677.9	862.8	1006.7	1160.4
47.5°	0.0	16.1	53.1	113.4	221.6	358.2	521.5	720.4	918.0	1068.8	1242.5
45°	0.0	16.8	57.6	123.2	234.9	379.3	554.8	759.5	960.9	1139.0	1321.2
42.5°	0.0	17.4	61.8	132.1	246.7	398.1	585.3	795.5	1001.9	1206.3	1413.8
40°	0.0	18.0	65.8	141.2	258.5	414.5	613.0	829.6	1044.6	1269.3	1504.1
37.5°	0.0	18.5	69.6	150.2	270.3	428.5	637.8	861.9	1092.5	1329.0	1588.7
35°	0.0	19.0	73.0	158.6	280.4	444.7	659.6	892.4	1139.3	1397.8	1673.9
32.5°	0.0	19.5	76.2	166.3	288.8	460.8	679.9	920.9	1184.6	1463.9	1764.2
30°	0.0	19.9	79.1	173.4	295.6	474.7	700.9	949.4	1228.4	1527.1	1848.7
27.5°	0.0	20.3	81.8	179.8	305.7	486.1	719.8	982.5	1273.4	1587.1	1927.0
25°	0.0	20.6	84.2	185.5	315.2	495.2	736.4	1013.3	1320.4	1648.2	1999.4
22.5°	0.0	20.8	86.2	190.6	323.6	504.3	750.6	1041.5	1363.6	1706.0	2076.5
20°	0.0	21.1	88.0	195.0	330.8	516.8	762.4	1066.8	1402.8	1757.6	2145.7
17.5°	0.0	21.2	89.5	198.7	336.8	527.1	777.1	1089.1	1437.7	1803.0	2206.7
15°	0.0	21.4	90.7	201.6	341.7	535.0	792.4	1110.4	1468.1	1841.8	2259.3
12.5°	0.0	21.4	91.6	204.0	345.4	540.8	804.8	1130.4	1495.6	1874.1	2303.3
10°	0.0	21.5	92.3	205.6	348.0	544.4	814.3	1145.8	1519.3	1904.4	2340.5
7.5°	0.0	21.5	92.6	206.5	349.4	545.8	820.7	1156.6	1537.6	1928.8	2372.5
5°	0.0	21.4	92.7	206.8	349.7	545.2	824.0	1162.7	1550.1	1946.4	2395.5
2.5°	0.0	21.3	92.5	206.4	348.8	542.5	824.2	1164.1	1556.8	1957.2	2409.3
0°	0.0	21.2	92.0	205.3	346.9	538.0	821.1	1160.9	1557.3	1960.8	2413.9
-2.5°	0.0	21.3	92.5	206.4	348.8	542.5	824.2	1164.1	1556.8	1957.2	2409.3
-5°	0.0	21.4	92.7	206.8	349.7	545.2	824.0	1162.7	1550.1	1946.4	2395.5
-7.5°	0.0	21.5	92.6	206.5	349.4	545.8	820.7	1156.6	1537.6	1928.8	2372.5
-10°	0.0	21.5	92.3	205.6	348.0	544.4	814.3	1145.8	1519.3	1904.4	2340.5
-12.5°	0.0	21.4	91.6	204.0	345.4	540.8	804.8	1130.4	1495.6	1874.1	2303.3
-15°	0.0	21.4	90.7	201.6	341.7	535.0	792.4	1110.4	1468.1	1841.8	2259.3
-17.5°	0.0	21.2	89.5	198.7	336.8	527.1	777.1	1089.1	1437.7	1803.0	2206.7
-20°	0.0	21.1	88.0	195.0	330.8	516.8	762.4	1066.8	1402.8	1757.6	2145.7

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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	20.8	86.2	190.6	323.6	504.3	750.6	1041.5	1363.6	1706.0	2076.5
-25°	0.0	20.6	84.2	185.5	315.2	495.2	736.4	1013.3	1320.4	1648.2	1999.4
-27.5°	0.0	20.3	81.8	179.8	305.7	486.1	719.8	982.5	1273.4	1587.1	1927.0
-30°	0.0	19.9	79.1	173.4	295.6	474.7	700.9	949.4	1228.4	1527.1	1848.7
-32.5°	0.0	19.5	76.2	166.3	288.8	460.8	679.9	920.9	1184.6	1463.9	1764.2
-35°	0.0	19.0	73.0	158.6	280.4	444.7	659.6	892.4	1139.3	1397.8	1673.9
-37.5°	0.0	18.5	69.6	150.2	270.3	428.5	637.8	861.9	1092.5	1329.0	1588.7
-40°	0.0	18.0	65.8	141.2	258.5	414.5	613.0	829.6	1044.6	1269.3	1504.1
-42.5°	0.0	17.4	61.8	132.1	246.7	398.1	585.3	795.5	1001.9	1206.3	1413.8
-45°	0.0	16.8	57.6	123.2	234.9	379.3	554.8	759.5	960.9	1139.0	1321.2
-47.5°	0.0	16.1	53.1	113.4	221.6	358.2	521.5	720.4	918.0	1068.8	1242.5
-50°	0.0	15.4	48.3	105.8	206.8	334.9	491.6	677.9	862.8	1006.7	1160.4
-52.5°	0.0	14.6	43.4	98.6	190.5	309.3	459.7	632.2	801.9	942.6	1076.4
-55°	0.0	13.8	38.2	90.6	172.9	285.1	424.8	584.1	737.7	876.5	1003.2
-57.5°	0.0	13.0	32.8	82.0	153.9	259.7	387.2	537.8	672.0	804.7	928.1
-60°	0.0	12.1	27.3	72.8	134.0	232.4	347.4	484.3	605.2	730.3	849.8
-62.5°	0.0	11.2	25.4	63.0	119.1	203.3	309.7	426.8	537.5	654.7	767.3
-65°	0.0	10.3	23.3	52.7	103.2	172.6	269.6	368.9	467.2	573.8	683.5
-67.5°	0.0	9.4	21.2	41.8	86.5	144.5	227.4	313.5	394.4	489.2	589.9
-70°	0.0	8.4	19.0	30.5	68.9	119.4	183.3	256.5	326.9	402.1	489.9
-72.5°	0.0	7.4	16.8	25.5	50.6	93.3	146.5	198.2	258.0	321.8	389.4
-75°	0.0	6.4	14.5	21.9	31.8	66.2	109.8	149.5	187.7	240.1	295.7
-77.5°	0.0	5.3	12.2	18.3	24.4	38.2	71.8	104.3	134.8	164.1	200.4
-80°	0.0	4.3	9.8	14.7	19.6	24.4	33.0	58.7	83.5	107.3	130.1
-82.5°	0.0	3.2	7.4	11.1	14.7	18.3	21.9	25.5	31.9	50.2	67.7
-85°	0.0	2.2	4.9	7.4	9.8	12.2	14.6	17.0	19.3	21.6	23.9
-87.5°	0.0	1.1	2.5	3.7	4.9	6.1	7.3	8.5	9.7	10.8	12.0
-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°	13.9	15.9	18.1	20.3	20.5	20.5	20.3	20.0	20.9	21.7	22.4
85°	27.7	31.8	44.1	56.0	61.8	65.3	66.9	66.6	77.5	90.1	103.7
82.5°	86.1	103.9	120.8	136.9	141.1	141.2	139.8	140.2	165.7	194.9	224.8
80°	153.4	175.9	205.8	232.2	243.7	249.7	252.4	252.0	284.2	327.1	372.2
77.5°	243.3	281.2	314.2	342.3	357.4	370.7	381.6	390.0	431.4	485.7	539.4
75°	345.8	387.4	428.7	464.7	489.9	508.6	526.0	554.0	608.2	671.5	726.6
72.5°	453.9	507.0	553.1	592.1	627.5	665.1	707.1	753.1	810.3	873.5	931.1
70°	569.4	627.7	676.0	723.1	771.2	827.4	890.5	952.5	1016.3	1086.1	1153.2
67.5°	682.4	738.6	795.4	854.8	926.9	1002.2	1076.7	1162.2	1249.7	1327.2	1396.6
65°	780.5	846.5	917.5	998.2	1087.3	1182.8	1282.3	1384.9	1495.9	1588.9	1673.7
62.5°	874.2	953.6	1039.9	1140.4	1253.9	1367.2	1494.0	1622.5	1747.4	1857.0	1958.3
60°	960.5	1056.7	1165.9	1289.1	1421.7	1572.2	1716.6	1862.7	1999.7	2123.8	2251.9
57.5°	1044.6	1165.6	1296.6	1444.5	1612.1	1781.2	1951.0	2108.1	2263.2	2414.4	2559.3
55°	1133.5	1279.3	1435.2	1616.7	1805.6	2005.6	2188.5	2363.8	2534.7	2718.2	2892.7
52.5°	1231.3	1394.2	1589.4	1792.5	2010.7	2225.3	2426.3	2626.0	2832.5	3040.3	3267.4
50°	1325.8	1528.9	1742.7	1978.8	2214.6	2444.6	2675.0	2905.0	3152.5	3407.3	3664.7
47.5°	1436.1	1657.7	1910.3	2163.6	2421.2	2677.1	2933.8	3211.8	3493.0	3788.5	4073.2
45°	1547.7	1796.9	2069.0	2355.5	2634.1	2917.3	3217.5	3524.8	3854.6	4179.5	4522.0
42.5°	1653.5	1935.2	2235.2	2544.5	2854.4	3170.9	3501.0	3860.1	4220.3	4595.1	4971.5
40°	1770.7	2066.7	2397.5	2738.2	3074.5	3425.4	3802.7	4191.5	4599.1	5011.2	5419.9
37.5°	1883.4	2208.8	2556.5	2923.2	3300.6	3686.2	4095.9	4537.2	4979.3	5422.7	5873.5
35°	1989.0	2343.5	2720.1	3109.4	3509.6	3948.3	4406.3	4877.4	5356.3	5836.0	6320.8
32.5°	2097.5	2470.4	2876.4	3293.1	3734.1	4204.6	4706.1	5216.6	5726.7	6239.0	6769.7
30°	2206.3	2603.6	3027.9	3466.8	3949.2	4461.7	5000.8	5541.6	6081.2	6644.8	7210.4
27.5°	2309.1	2730.0	3176.6	3646.3	4155.3	4699.9	5272.4	5851.7	6433.5	7032.7	7636.0
25°	2403.8	2849.7	3314.7	3819.1	4358.5	4929.1	5525.5	6130.0	6768.1	7409.3	8039.2
22.5°	2496.1	2959.6	3442.6	3978.2	4542.7	5141.9	5763.0	6401.3	7068.0	7756.6	8408.5
20°	2584.9	3064.4	3567.1	4122.4	4707.6	5333.5	5978.8	6647.1	7346.7	8053.7	8754.9
17.5°	2663.8	3157.4	3683.0	4257.3	4865.1	5508.7	6173.2	6863.6	7594.3	8327.2	9070.2
15°	2732.5	3238.4	3783.3	4375.0	5004.3	5667.9	6353.7	7063.7	7813.2	8576.3	9348.7
12.5°	2790.6	3307.0	3867.8	4475.0	5122.3	5804.4	6508.8	7243.7	8013.5	8798.0	9592.8
10°	2837.8	3362.9	3936.2	4556.7	5218.8	5917.3	6636.5	7392.1	8184.9	8986.5	9798.0
7.5°	2877.9	3409.5	3990.4	4619.8	5293.1	6005.7	6735.9	7507.9	8321.6	9133.5	9962.8
5°	2907.2	3447.2	4040.3	4672.6	5357.7	6074.7	6811.3	7590.4	8421.5	9238.2	10082.4
2.5°	2924.7	3471.8	4074.2	4706.9	5408.5	6126.4	6878.2	7663.3	8494.7	9321.3	10172.3
0°	2930.6	3482.8	4091.6	4721.6	5436.5	6151.5	6916.0	7701.7	8530.0	9372.3	10228.9
-2.5°	2924.7	3471.8	4074.2	4706.9	5408.5	6126.4	6878.2	7663.3	8494.7	9321.3	10172.3
-5°	2907.2	3447.2	4040.3	4672.6	5357.7	6074.7	6811.3	7590.4	8421.5	9238.2	10082.4
-7.5°	2877.9	3409.5	3990.4	4619.8	5293.1	6005.7	6735.9	7507.9	8321.6	9133.5	9962.8
-10°	2837.8	3362.9	3936.2	4556.7	5218.8	5917.3	6636.5	7392.1	8184.9	8986.5	9798.0
-12.5°	2790.6	3307.0	3867.8	4475.0	5122.3	5804.4	6508.8	7243.7	8013.5	8798.0	9592.8
-15°	2732.5	3238.4	3783.3	4375.0	5004.3	5667.9	6353.7	7063.7	7813.2	8576.3	9348.7
-17.5°	2663.8	3157.4	3683.0	4257.3	4865.1	5508.7	6173.2	6863.6	7594.3	8327.2	9070.2
-20°	2584.9	3064.4	3567.1	4122.4	4707.6	5333.5	5978.8	6647.1	7346.7	8053.7	8754.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-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°	2496.1	2959.6	3442.6	3978.2	4542.7	5141.9	5763.0	6401.3	7068.0	7756.6	8408.5
-25°	2403.8	2849.7	3314.7	3819.1	4358.5	4929.1	5525.5	6130.0	6768.1	7409.3	8039.2
-27.5°	2309.1	2730.0	3176.6	3646.3	4155.3	4699.9	5272.4	5851.7	6433.5	7032.7	7636.0
-30°	2206.3	2603.6	3027.9	3466.8	3949.2	4461.7	5000.8	5541.6	6081.2	6644.8	7210.4
-32.5°	2097.5	2470.4	2876.4	3293.1	3734.1	4204.6	4706.1	5216.6	5726.7	6239.0	6769.7
-35°	1989.0	2343.5	2720.1	3109.4	3509.6	3948.3	4406.3	4877.4	5356.3	5836.0	6320.8
-37.5°	1883.4	2208.8	2556.5	2923.2	3300.6	3686.2	4095.9	4537.2	4979.3	5422.7	5873.5
-40°	1770.7	2066.7	2397.5	2738.2	3074.5	3425.4	3802.7	4191.5	4599.1	5011.2	5419.9
-42.5°	1653.5	1935.2	2235.2	2544.5	2854.4	3170.9	3501.0	3860.1	4220.3	4595.1	4971.5
-45°	1547.7	1796.9	2069.0	2355.5	2634.1	2917.3	3217.5	3524.8	3854.6	4179.5	4522.0
-47.5°	1436.1	1657.7	1910.3	2163.6	2421.2	2677.1	2933.8	3211.8	3493.0	3788.5	4073.2
-50°	1325.8	1528.9	1742.7	1978.8	2214.6	2444.6	2675.0	2905.0	3152.5	3407.3	3664.7
-52.5°	1231.3	1394.2	1589.4	1792.5	2010.7	2225.3	2426.3	2626.0	2832.5	3040.3	3267.4
-55°	1133.5	1279.3	1435.2	1616.7	1805.6	2005.6	2188.5	2363.8	2534.7	2718.2	2892.7
-57.5°	1044.6	1165.6	1296.6	1444.5	1612.1	1781.2	1951.0	2108.1	2263.2	2414.4	2559.3
-60°	960.5	1056.7	1165.9	1289.1	1421.7	1572.2	1716.6	1862.7	1999.7	2123.8	2251.9
-62.5°	874.2	953.6	1039.9	1140.4	1253.9	1367.2	1494.0	1622.5	1747.4	1857.0	1958.3
-65°	780.5	846.5	917.5	998.2	1087.3	1182.8	1282.3	1384.9	1495.9	1588.9	1673.7
-67.5°	682.4	738.6	795.4	854.8	926.9	1002.2	1076.7	1162.2	1249.7	1327.2	1396.6
-70°	569.4	627.7	676.0	723.1	771.2	827.4	890.5	952.5	1016.3	1086.1	1153.2
-72.5°	453.9	507.0	553.1	592.1	627.5	665.1	707.1	753.1	810.3	873.5	931.1
-75°	345.8	387.4	428.7	464.7	489.9	508.6	526.0	554.0	608.2	671.5	726.6
-77.5°	243.3	281.2	314.2	342.3	357.4	370.7	381.6	390.0	431.4	485.7	539.4
-80°	153.4	175.9	205.8	232.2	243.7	249.7	252.4	252.0	284.2	327.1	372.2
-82.5°	86.1	103.9	120.8	136.9	141.1	141.2	139.8	140.2	165.7	194.9	224.8
-85°	27.7	31.8	44.1	56.0	61.8	65.3	66.9	66.6	77.5	90.1	103.7
-87.5°	13.9	15.9	18.1	20.3	20.5	20.5	20.3	20.0	20.9	21.7	22.4
-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: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-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°	23.2	23.9	24.5	25.1	25.6	26.1	26.6	27.0	27.3	25.9	24.4
85°	118.3	126.6	134.4	141.9	149.0	155.7	162.1	167.9	173.3	158.3	141.7
82.5°	255.4	275.8	295.3	314.7	333.9	338.8	340.3	339.6	336.9	310.5	281.3
80°	416.8	451.5	484.3	516.7	548.7	552.3	548.7	542.0	532.7	498.1	458.9
77.5°	593.1	636.8	675.1	710.1	741.9	747.9	747.1	745.5	742.9	707.5	664.8
75°	773.8	816.5	857.7	892.7	922.0	935.4	942.0	946.6	949.2	923.8	890.6
72.5°	983.2	1027.7	1064.1	1098.1	1126.9	1147.7	1162.7	1174.0	1181.7	1174.0	1160.4
70°	1210.5	1258.2	1298.4	1336.8	1375.8	1407.1	1430.8	1447.9	1458.8	1466.0	1471.0
67.5°	1466.5	1530.5	1586.4	1634.0	1681.3	1725.6	1761.9	1791.7	1814.6	1834.1	1849.1
65°	1754.9	1836.7	1909.2	1975.9	2037.0	2101.2	2153.9	2198.1	2233.7	2263.1	2286.7
62.5°	2058.0	2158.3	2251.5	2341.9	2430.4	2517.7	2584.6	2645.6	2699.8	2746.4	2783.5
60°	2373.1	2487.0	2612.1	2731.4	2841.2	2941.5	3041.2	3127.5	3201.3	3262.6	3312.0
57.5°	2711.8	2859.3	3005.4	3153.6	3293.7	3424.7	3547.4	3655.6	3747.0	3822.0	3885.0
55°	3077.6	3262.2	3431.6	3618.6	3799.2	3963.7	4108.5	4235.7	4345.7	4437.9	4516.2
52.5°	3479.8	3704.1	3924.3	4137.0	4342.0	4532.7	4706.1	4854.3	4986.1	5099.1	5189.3
50°	3919.9	4176.5	4431.7	4668.3	4903.9	5123.7	5322.4	5494.4	5647.8	5780.6	5885.1
47.5°	4380.2	4672.3	4957.2	5228.1	5488.8	5733.2	5948.4	6144.3	6335.6	6491.6	6614.9
45°	4858.1	5185.8	5500.2	5809.8	6097.0	6370.8	6636.3	6880.4	7076.6	7248.5	7392.8
42.5°	5341.9	5707.4	6059.4	6397.3	6713.0	7029.7	7328.3	7595.2	7819.0	8014.3	8178.3
40°	5832.0	6232.1	6620.0	6988.3	7349.2	7694.6	8017.6	8298.9	8551.3	8783.4	8976.7
37.5°	6319.6	6759.8	7189.4	7602.1	7999.5	8373.7	8722.6	9040.6	9325.4	9589.7	9804.3
35°	6809.3	7292.3	7762.6	8216.7	8650.9	9063.8	9445.8	9807.6	10143.2	10410.9	10630.5
32.5°	7297.1	7816.4	8328.3	8828.2	9303.4	9748.5	10162.4	10562.2	10907.5	11201.7	11454.2
30°	7769.2	8331.7	8889.2	9431.3	9944.6	10426.8	10885.2	11307.9	11679.2	12001.1	12284.2
27.5°	8232.5	8836.8	9434.9	10014.0	10569.0	11093.0	11593.3	12051.6	12456.9	12806.7	13105.3
25°	8670.3	9319.8	9957.4	10571.4	11164.2	11742.3	12282.4	12782.6	13215.5	13599.4	13906.3
22.5°	9088.6	9781.3	10451.2	11097.1	11731.3	12354.3	12945.6	13468.0	13926.7	14328.1	14667.7
20°	9478.3	10220.6	10906.0	11589.1	12257.0	12922.3	13557.2	14108.3	14593.7	15021.0	15395.3
17.5°	9842.6	10604.0	11325.6	12052.9	12756.9	13454.8	14099.8	14690.6	15214.3	15668.0	16060.0
15°	10151.0	10919.9	11708.1	12484.5	13226.9	13933.6	14578.0	15195.0	15776.6	16267.3	16664.8
12.5°	10400.6	11200.3	12022.6	12846.8	13631.9	14337.7	15012.4	15638.3	16249.1	16800.3	17165.7
10°	10613.5	11436.9	12285.8	13126.4	13922.0	14668.8	15402.3	16064.1	16664.2	17157.8	17565.9
7.5°	10797.5	11645.7	12507.8	13349.8	14142.7	14914.4	15669.4	16372.3	16978.2	17443.2	17807.2
5°	10933.2	11801.6	12680.3	13530.1	14334.1	15108.2	15866.7	16560.8	17152.2	17625.4	18022.3
2.5°	11030.3	11906.8	12791.8	13642.8	14464.7	15240.8	16018.2	16720.1	17292.7	17726.3	18106.4
0°	11092.5	11970.3	12862.2	13732.9	14539.9	15290.2	16125.5	16783.9	17378.5	17810.3	18206.7
-2.5°	11030.3	11906.8	12791.8	13642.8	14464.7	15240.8	16018.2	16720.1	17292.7	17726.3	18106.4
-5°	10933.2	11801.6	12680.3	13530.1	14334.1	15108.2	15866.7	16560.8	17152.2	17625.4	18022.3
-7.5°	10797.5	11645.7	12507.8	13349.8	14142.7	14914.4	15669.4	16372.3	16978.2	17443.2	17807.2
-10°	10613.5	11436.9	12285.8	13126.4	13922.0	14668.8	15402.3	16064.1	16664.2	17157.8	17565.9
-12.5°	10400.6	11200.3	12022.6	12846.8	13631.9	14337.7	15012.4	15638.3	16249.1	16800.3	17165.7
-15°	10151.0	10919.9	11708.1	12484.5	13226.9	13933.6	14578.0	15195.0	15776.6	16267.3	16664.8
-17.5°	9842.6	10604.0	11325.6	12052.9	12756.9	13454.8	14099.8	14690.6	15214.3	15668.0	16060.0
-20°	9478.3	10220.6	10906.0	11589.1	12257.0	12922.3	13557.2	14108.3	14593.7	15021.0	15395.3



REPORT NUMBER: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9088.6	9781.3	10451.2	11097.1	11731.3	12354.3	12945.6	13468.0	13926.7	14328.1	14667.7
-25°	8670.3	9319.8	9957.4	10571.4	11164.2	11742.3	12282.4	12782.6	13215.5	13599.4	13906.3
-27.5°	8232.5	8836.8	9434.9	10014.0	10569.0	11093.0	11593.3	12051.6	12456.9	12806.7	13105.3
-30°	7769.2	8331.7	8889.2	9431.3	9944.6	10426.8	10885.2	11307.9	11679.2	12001.1	12284.2
-32.5°	7297.1	7816.4	8328.3	8828.2	9303.4	9748.5	10162.4	10562.2	10907.5	11201.7	11454.2
-35°	6809.3	7292.3	7762.6	8216.7	8650.9	9063.8	9445.8	9807.6	10143.2	10410.9	10630.5
-37.5°	6319.6	6759.8	7189.4	7602.1	7999.5	8373.7	8722.6	9040.6	9325.4	9589.7	9804.3
-40°	5832.0	6232.1	6620.0	6988.3	7349.2	7694.6	8017.6	8298.9	8551.3	8783.4	8976.7
-42.5°	5341.9	5707.4	6059.4	6397.3	6713.0	7029.7	7328.3	7595.2	7819.0	8014.3	8178.3
-45°	4858.1	5185.8	5500.2	5809.8	6097.0	6370.8	6636.3	6880.4	7076.6	7248.5	7392.8
-47.5°	4380.2	4672.3	4957.2	5228.1	5488.8	5733.2	5948.4	6144.3	6335.6	6491.6	6614.9
-50°	3919.9	4176.5	4431.7	4668.3	4903.9	5123.7	5322.4	5494.4	5647.8	5780.6	5885.1
-52.5°	3479.8	3704.1	3924.3	4137.0	4342.0	4532.7	4706.1	4854.3	4986.1	5099.1	5189.3
-55°	3077.6	3262.2	3431.6	3618.6	3799.2	3963.7	4108.5	4235.7	4345.7	4437.9	4516.2
-57.5°	2711.8	2859.3	3005.4	3153.6	3293.7	3424.7	3547.4	3655.6	3747.0	3822.0	3885.0
-60°	2373.1	2487.0	2612.1	2731.4	2841.2	2941.5	3041.2	3127.5	3201.3	3262.6	3312.0
-62.5°	2058.0	2158.3	2251.5	2341.9	2430.4	2517.7	2584.6	2645.6	2699.8	2746.4	2783.5
-65°	1754.9	1836.7	1909.2	1975.9	2037.0	2101.2	2153.9	2198.1	2233.7	2263.1	2286.7
-67.5°	1466.5	1530.5	1586.4	1634.0	1681.3	1725.6	1761.9	1791.7	1814.6	1834.1	1849.1
-70°	1210.5	1258.2	1298.4	1336.8	1375.8	1407.1	1430.8	1447.9	1458.8	1466.0	1471.0
-72.5°	983.2	1027.7	1064.1	1098.1	1126.9	1147.7	1162.7	1174.0	1181.7	1174.0	1160.4
-75°	773.8	816.5	857.7	892.7	922.0	935.4	942.0	946.6	949.2	923.8	890.6
-77.5°	593.1	636.8	675.1	710.1	741.9	747.9	747.1	745.5	742.9	707.5	664.8
-80°	416.8	451.5	484.3	516.7	548.7	552.3	548.7	542.0	532.7	498.1	458.9
-82.5°	255.4	275.8	295.3	314.7	333.9	338.8	340.3	339.6	336.9	310.5	281.3
-85°	118.3	126.6	134.4	141.9	149.0	155.7	162.1	167.9	173.3	158.3	141.7
-87.5°	23.2	23.9	24.5	25.1	25.6	26.1	26.6	27.0	27.3	25.9	24.4
-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: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA6D-722-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°	22.8	21.1	21.2	21.2	21.2	21.1	22.8	24.4	25.9	27.3	27.0
85°	124.1	105.7	99.0	92.0	99.0	105.7	124.1	141.7	158.3	173.3	167.9
82.5°	250.6	218.7	208.6	198.2	208.6	218.7	250.6	281.3	310.5	336.9	339.6
80°	417.5	374.2	357.2	339.8	357.2	374.2	417.5	458.9	498.1	532.7	542.0
77.5°	619.6	572.0	551.7	530.9	551.7	572.0	619.6	664.8	707.5	742.9	745.5
75°	855.5	818.3	795.8	771.6	795.8	818.3	855.5	890.6	923.8	949.2	946.6
72.5°	1144.8	1126.6	1110.2	1090.1	1110.2	1126.6	1144.8	1160.4	1174.0	1181.7	1174.0
70°	1472.7	1470.3	1473.3	1472.4	1473.3	1470.3	1472.7	1471.0	1466.0	1458.8	1447.9
67.5°	1856.8	1857.3	1865.3	1868.8	1865.3	1857.3	1856.8	1849.1	1834.1	1814.6	1791.7
65°	2301.3	2306.8	2304.7	2293.5	2304.7	2306.8	2301.3	2286.7	2263.1	2233.7	2198.1
62.5°	2809.8	2825.1	2833.5	2831.5	2833.5	2825.1	2809.8	2783.5	2746.4	2699.8	2645.6
60°	3348.9	3372.8	3384.9	3383.7	3384.9	3372.8	3348.9	3312.0	3262.6	3201.3	3127.5
57.5°	3932.0	3962.7	3969.9	3957.1	3969.9	3962.7	3932.0	3885.0	3822.0	3747.0	3655.6
55°	4575.2	4614.5	4629.7	4622.5	4629.7	4614.5	4575.2	4516.2	4437.9	4345.7	4235.7
52.5°	5255.4	5297.8	5312.9	5302.0	5312.9	5297.8	5255.4	5189.3	5099.1	4986.1	4854.3
50°	5961.8	6013.2	6034.0	6024.1	6034.0	6013.2	5961.8	5885.1	5780.6	5647.8	5494.4
47.5°	6711.6	6780.0	6806.7	6788.6	6806.7	6780.0	6711.6	6614.9	6491.6	6335.6	6144.3
45°	7500.6	7571.6	7599.2	7581.4	7599.2	7571.6	7500.6	7392.8	7248.5	7076.6	6880.4
42.5°	8303.7	8396.0	8435.0	8402.5	8435.0	8396.0	8303.7	8178.3	8014.3	7819.0	7595.2
40°	9121.0	9221.2	9267.4	9244.9	9267.4	9221.2	9121.0	8976.7	8783.4	8551.3	8298.9
37.5°	9959.3	10059.0	10107.9	10108.5	10107.9	10059.0	9959.3	9804.3	9589.7	9325.4	9040.6
35°	10800.7	10921.3	10989.6	10986.3	10989.6	10921.3	10800.7	10630.5	10410.9	10143.2	9807.6
32.5°	11653.8	11784.4	11854.2	11864.1	11854.2	11784.4	11653.8	11454.2	11201.7	10907.5	10562.2
30°	12505.6	12649.2	12730.0	12763.1	12730.0	12649.2	12505.6	12284.2	12001.1	11679.2	11307.9
27.5°	13331.5	13508.3	13630.3	13640.9	13630.3	13508.3	13331.5	13105.3	12806.7	12456.9	12051.6
25°	14131.5	14311.4	14436.6	14462.0	14436.6	14311.4	14131.5	13906.3	13599.4	13215.5	12782.6
22.5°	14919.9	15108.1	15223.5	15269.0	15223.5	15108.1	14919.9	14667.7	14328.1	13926.7	13468.0
20°	15672.6	15876.5	15998.9	16047.7	15998.9	15876.5	15672.6	15395.3	15021.0	14593.7	14108.3
17.5°	16353.5	16568.9	16720.1	16762.6	16720.1	16568.9	16353.5	16060.0	15668.0	15214.3	14690.6
15°	16952.7	17157.0	17300.6	17357.2	17300.6	17157.0	16952.7	16664.8	16267.3	15776.6	15195.0
12.5°	17440.5	17623.2	17735.6	17789.1	17735.6	17623.2	17440.5	17165.7	16800.3	16249.1	15638.3
10°	17821.5	18004.8	18112.3	18185.5	18112.3	18004.8	17821.5	17565.9	17157.8	16664.2	16064.1
7.5°	18152.3	18340.0	18471.5	18574.8	18471.5	18340.0	18152.3	17807.2	17443.2	16978.2	16372.3
5°	18334.8	18648.5	18695.7	18765.9	18695.7	18648.5	18334.8	18022.3	17625.4	17152.2	16560.8
2.5°	18474.1	18696.5	18830.2	18815.5	18830.2	18696.5	18474.1	18106.4	17726.3	17292.7	16720.1
0°	18574.8	18773.0	18822.6	18886.3	18822.6	18773.0	18574.8	18206.7	17810.3	17378.5	16783.9
-2.5°	18474.1	18696.5	18830.2	18815.5	18830.2	18696.5	18474.1	18106.4	17726.3	17292.7	16720.1
-5°	18334.8	18648.5	18695.7	18765.9	18695.7	18648.5	18334.8	18022.3	17625.4	17152.2	16560.8
-7.5°	18152.3	18340.0	18471.5	18574.8	18471.5	18340.0	18152.3	17807.2	17443.2	16978.2	16372.3
-10°	17821.5	18004.8	18112.3	18185.5	18112.3	18004.8	17821.5	17565.9	17157.8	16664.2	16064.1
-12.5°	17440.5	17623.2	17735.6	17789.1	17735.6	17623.2	17440.5	17165.7	16800.3	16249.1	15638.3
-15°	16952.7	17157.0	17300.6	17357.2	17300.6	17157.0	16952.7	16664.8	16267.3	15776.6	15195.0
-17.5°	16353.5	16568.9	16720.1	16762.6	16720.1	16568.9	16353.5	16060.0	15668.0	15214.3	14690.6
-20°	15672.6	15876.5	15998.9	16047.7	15998.9	15876.5	15672.6	15395.3	15021.0	14593.7	14108.3



REPORT NUMBER: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-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°	14919.9	15108.1	15223.5	15269.0	15223.5	15108.1	14919.9	14667.7	14328.1	13926.7	13468.0
-25°	14131.5	14311.4	14436.6	14462.0	14436.6	14311.4	14131.5	13906.3	13599.4	13215.5	12782.6
-27.5°	13331.5	13508.3	13630.3	13640.9	13630.3	13508.3	13331.5	13105.3	12806.7	12456.9	12051.6
-30°	12505.6	12649.2	12730.0	12763.1	12730.0	12649.2	12505.6	12284.2	12001.1	11679.2	11307.9
-32.5°	11653.8	11784.4	11854.2	11864.1	11854.2	11784.4	11653.8	11454.2	11201.7	10907.5	10562.2
-35°	10800.7	10921.3	10989.6	10986.3	10989.6	10921.3	10800.7	10630.5	10410.9	10143.2	9807.6
-37.5°	9959.3	10059.0	10107.9	10108.5	10107.9	10059.0	9959.3	9804.3	9589.7	9325.4	9040.6
-40°	9121.0	9221.2	9267.4	9244.9	9267.4	9221.2	9121.0	8976.7	8783.4	8551.3	8298.9
-42.5°	8303.7	8396.0	8435.0	8402.5	8435.0	8396.0	8303.7	8178.3	8014.3	7819.0	7595.2
-45°	7500.6	7571.6	7599.2	7581.4	7599.2	7571.6	7500.6	7392.8	7248.5	7076.6	6880.4
-47.5°	6711.6	6780.0	6806.7	6788.6	6806.7	6780.0	6711.6	6614.9	6491.6	6335.6	6144.3
-50°	5961.8	6013.2	6034.0	6024.1	6034.0	6013.2	5961.8	5885.1	5780.6	5647.8	5494.4
-52.5°	5255.4	5297.8	5312.9	5302.0	5312.9	5297.8	5255.4	5189.3	5099.1	4986.1	4854.3
-55°	4575.2	4614.5	4629.7	4622.5	4629.7	4614.5	4575.2	4516.2	4437.9	4345.7	4235.7
-57.5°	3932.0	3962.7	3969.9	3957.1	3969.9	3962.7	3932.0	3885.0	3822.0	3747.0	3655.6
-60°	3348.9	3372.8	3384.9	3383.7	3384.9	3372.8	3348.9	3312.0	3262.6	3201.3	3127.5
-62.5°	2809.8	2825.1	2833.5	2831.5	2833.5	2825.1	2809.8	2783.5	2746.4	2699.8	2645.6
-65°	2301.3	2306.8	2304.7	2293.5	2304.7	2306.8	2301.3	2286.7	2263.1	2233.7	2198.1
-67.5°	1856.8	1857.3	1865.3	1868.8	1865.3	1857.3	1856.8	1849.1	1834.1	1814.6	1791.7
-70°	1472.7	1470.3	1473.3	1472.4	1473.3	1470.3	1472.7	1471.0	1466.0	1458.8	1447.9
-72.5°	1144.8	1126.6	1110.2	1090.1	1110.2	1126.6	1144.8	1160.4	1174.0	1181.7	1174.0
-75°	855.5	818.3	795.8	771.6	795.8	818.3	855.5	890.6	923.8	949.2	946.6
-77.5°	619.6	572.0	551.7	530.9	551.7	572.0	619.6	664.8	707.5	742.9	745.5
-80°	417.5	374.2	357.2	339.8	357.2	374.2	417.5	458.9	498.1	532.7	542.0
-82.5°	250.6	218.7	208.6	198.2	208.6	218.7	250.6	281.3	310.5	336.9	339.6
-85°	124.1	105.7	99.0	92.0	99.0	105.7	124.1	141.7	158.3	173.3	167.9
-87.5°	22.8	21.1	21.2	21.2	21.2	21.1	22.8	24.4	25.9	27.3	27.0
-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: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-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°	26.6	26.1	25.6	25.1	24.5	23.9	23.2	22.4	21.7	20.9	20.0
85°	162.1	155.7	149.0	141.9	134.4	126.6	118.3	103.7	90.1	77.5	66.6
82.5°	340.3	338.8	333.9	314.7	295.3	275.8	255.4	224.8	194.9	165.7	140.2
80°	548.7	552.3	548.7	516.7	484.3	451.5	416.8	372.2	327.1	284.2	252.0
77.5°	747.1	747.9	741.9	710.1	675.1	636.8	593.1	539.4	485.7	431.4	390.0
75°	942.0	935.4	922.0	892.7	857.7	816.5	773.8	726.6	671.5	608.2	554.0
72.5°	1162.7	1147.7	1126.9	1098.1	1064.1	1027.7	983.2	931.1	873.5	810.3	753.1
70°	1430.8	1407.1	1375.8	1336.8	1298.4	1258.2	1210.5	1153.2	1086.1	1016.3	952.5
67.5°	1761.9	1725.6	1681.3	1634.0	1586.4	1530.5	1466.5	1396.6	1327.2	1249.7	1162.2
65°	2153.9	2101.2	2037.0	1975.9	1909.2	1836.7	1754.9	1673.7	1588.9	1495.9	1384.9
62.5°	2584.6	2517.7	2430.4	2341.9	2251.5	2158.3	2058.0	1958.3	1857.0	1747.4	1622.5
60°	3041.2	2941.5	2841.2	2731.4	2612.1	2487.0	2373.1	2251.9	2123.8	1999.7	1862.7
57.5°	3547.4	3424.7	3293.7	3153.6	3005.4	2859.3	2711.8	2559.3	2414.4	2263.2	2108.1
55°	4108.5	3963.7	3799.2	3618.6	3431.6	3262.2	3077.6	2892.7	2718.2	2534.7	2363.8
52.5°	4706.1	4532.7	4342.0	4137.0	3924.3	3704.1	3479.8	3267.4	3040.3	2832.5	2626.0
50°	5322.4	5123.7	4903.9	4668.3	4431.7	4176.5	3919.9	3664.7	3407.3	3152.5	2905.0
47.5°	5948.4	5733.2	5488.8	5228.1	4957.2	4672.3	4380.2	4073.2	3788.5	3493.0	3211.8
45°	6636.3	6370.8	6097.0	5809.8	5500.2	5185.8	4858.1	4522.0	4179.5	3854.6	3524.8
42.5°	7328.3	7029.7	6713.0	6397.3	6059.4	5707.4	5341.9	4971.5	4595.1	4220.3	3860.1
40°	8017.6	7694.6	7349.2	6988.3	6620.0	6232.1	5832.0	5419.9	5011.2	4599.1	4191.5
37.5°	8722.6	8373.7	7999.5	7602.1	7189.4	6759.8	6319.6	5873.5	5422.7	4979.3	4537.2
35°	9445.8	9063.8	8650.9	8216.7	7762.6	7292.3	6809.3	6320.8	5836.0	5356.3	4877.4
32.5°	10162.4	9748.5	9303.4	8828.2	8328.3	7816.4	7297.1	6769.7	6239.0	5726.7	5216.6
30°	10885.2	10426.8	9944.6	9431.3	8889.2	8331.7	7769.2	7210.4	6644.8	6081.2	5541.6
27.5°	11593.3	11093.0	10569.0	10014.0	9434.9	8836.8	8232.5	7636.0	7032.7	6433.5	5851.7
25°	12282.4	11742.3	11164.2	10571.4	9957.4	9319.8	8670.3	8039.2	7409.3	6768.1	6130.0
22.5°	12945.6	12354.3	11731.3	11097.1	10451.2	9781.3	9088.6	8408.5	7756.6	7068.0	6401.3
20°	13557.2	12922.3	12257.0	11589.1	10906.0	10220.6	9478.3	8754.9	8053.7	7346.7	6647.1
17.5°	14099.8	13454.8	12756.9	12052.9	11325.6	10604.0	9842.6	9070.2	8327.2	7594.3	6863.6
15°	14578.0	13933.6	13226.9	12484.5	11708.1	10919.9	10151.0	9348.7	8576.3	7813.2	7063.7
12.5°	15012.4	14337.7	13631.9	12846.8	12022.6	11200.3	10400.6	9592.8	8798.0	8013.5	7243.7
10°	15402.3	14668.8	13922.0	13126.4	12285.8	11436.9	10613.5	9798.0	8986.5	8184.9	7392.1
7.5°	15669.4	14914.4	14142.7	13349.8	12507.8	11645.7	10797.5	9962.8	9133.5	8321.6	7507.9
5°	15866.7	15108.2	14334.1	13530.1	12680.3	11801.6	10933.2	10082.4	9238.2	8421.5	7590.4
2.5°	16018.2	15240.8	14464.7	13642.8	12791.8	11906.8	11030.3	10172.3	9321.3	8494.7	7663.3
0°	16125.5	15290.2	14539.9	13732.9	12862.2	11970.3	11092.5	10228.9	9372.3	8530.0	7701.7
-2.5°	16018.2	15240.8	14464.7	13642.8	12791.8	11906.8	11030.3	10172.3	9321.3	8494.7	7663.3
-5°	15866.7	15108.2	14334.1	13530.1	12680.3	11801.6	10933.2	10082.4	9238.2	8421.5	7590.4
-7.5°	15669.4	14914.4	14142.7	13349.8	12507.8	11645.7	10797.5	9962.8	9133.5	8321.6	7507.9
-10°	15402.3	14668.8	13922.0	13126.4	12285.8	11436.9	10613.5	9798.0	8986.5	8184.9	7392.1
-12.5°	15012.4	14337.7	13631.9	12846.8	12022.6	11200.3	10400.6	9592.8	8798.0	8013.5	7243.7
-15°	14578.0	13933.6	13226.9	12484.5	11708.1	10919.9	10151.0	9348.7	8576.3	7813.2	7063.7
-17.5°	14099.8	13454.8	12756.9	12052.9	11325.6	10604.0	9842.6	9070.2	8327.2	7594.3	6863.6
-20°	13557.2	12922.3	12257.0	11589.1	10906.0	10220.6	9478.3	8754.9	8053.7	7346.7	6647.1



REPORT NUMBER: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12945.6	12354.3	11731.3	11097.1	10451.2	9781.3	9088.6	8408.5	7756.6	7068.0	6401.3
-25°	12282.4	11742.3	11164.2	10571.4	9957.4	9319.8	8670.3	8039.2	7409.3	6768.1	6130.0
-27.5°	11593.3	11093.0	10569.0	10014.0	9434.9	8836.8	8232.5	7636.0	7032.7	6433.5	5851.7
-30°	10885.2	10426.8	9944.6	9431.3	8889.2	8331.7	7769.2	7210.4	6644.8	6081.2	5541.6
-32.5°	10162.4	9748.5	9303.4	8828.2	8328.3	7816.4	7297.1	6769.7	6239.0	5726.7	5216.6
-35°	9445.8	9063.8	8650.9	8216.7	7762.6	7292.3	6809.3	6320.8	5836.0	5356.3	4877.4
-37.5°	8722.6	8373.7	7999.5	7602.1	7189.4	6759.8	6319.6	5873.5	5422.7	4979.3	4537.2
-40°	8017.6	7694.6	7349.2	6988.3	6620.0	6232.1	5832.0	5419.9	5011.2	4599.1	4191.5
-42.5°	7328.3	7029.7	6713.0	6397.3	6059.4	5707.4	5341.9	4971.5	4595.1	4220.3	3860.1
-45°	6636.3	6370.8	6097.0	5809.8	5500.2	5185.8	4858.1	4522.0	4179.5	3854.6	3524.8
-47.5°	5948.4	5733.2	5488.8	5228.1	4957.2	4672.3	4380.2	4073.2	3788.5	3493.0	3211.8
-50°	5322.4	5123.7	4903.9	4668.3	4431.7	4176.5	3919.9	3664.7	3407.3	3152.5	2905.0
-52.5°	4706.1	4532.7	4342.0	4137.0	3924.3	3704.1	3479.8	3267.4	3040.3	2832.5	2626.0
-55°	4108.5	3963.7	3799.2	3618.6	3431.6	3262.2	3077.6	2892.7	2718.2	2534.7	2363.8
-57.5°	3547.4	3424.7	3293.7	3153.6	3005.4	2859.3	2711.8	2559.3	2414.4	2263.2	2108.1
-60°	3041.2	2941.5	2841.2	2731.4	2612.1	2487.0	2373.1	2251.9	2123.8	1999.7	1862.7
-62.5°	2584.6	2517.7	2430.4	2341.9	2251.5	2158.3	2058.0	1958.3	1857.0	1747.4	1622.5
-65°	2153.9	2101.2	2037.0	1975.9	1909.2	1836.7	1754.9	1673.7	1588.9	1495.9	1384.9
-67.5°	1761.9	1725.6	1681.3	1634.0	1586.4	1530.5	1466.5	1396.6	1327.2	1249.7	1162.2
-70°	1430.8	1407.1	1375.8	1336.8	1298.4	1258.2	1210.5	1153.2	1086.1	1016.3	952.5
-72.5°	1162.7	1147.7	1126.9	1098.1	1064.1	1027.7	983.2	931.1	873.5	810.3	753.1
-75°	942.0	935.4	922.0	892.7	857.7	816.5	773.8	726.6	671.5	608.2	554.0
-77.5°	747.1	747.9	741.9	710.1	675.1	636.8	593.1	539.4	485.7	431.4	390.0
-80°	548.7	552.3	548.7	516.7	484.3	451.5	416.8	372.2	327.1	284.2	252.0
-82.5°	340.3	338.8	333.9	314.7	295.3	275.8	255.4	224.8	194.9	165.7	140.2
-85°	162.1	155.7	149.0	141.9	134.4	126.6	118.3	103.7	90.1	77.5	66.6
-87.5°	26.6	26.1	25.6	25.1	24.5	23.9	23.2	22.4	21.7	20.9	20.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-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°	20.3	20.5	20.5	20.3	18.1	15.9	13.9	12.0	10.8	9.7	8.5
85°	66.9	65.3	61.8	56.0	44.1	31.8	27.7	23.9	21.6	19.3	17.0
82.5°	139.8	141.2	141.1	136.9	120.8	103.9	86.1	67.7	50.2	31.9	25.5
80°	252.4	249.7	243.7	232.2	205.8	175.9	153.4	130.1	107.3	83.5	58.7
77.5°	381.6	370.7	357.4	342.3	314.2	281.2	243.3	200.4	164.1	134.8	104.3
75°	526.0	508.6	489.9	464.7	428.7	387.4	345.8	295.7	240.1	187.7	149.5
72.5°	707.1	665.1	627.5	592.1	553.1	507.0	453.9	389.4	321.8	258.0	198.2
70°	890.5	827.4	771.2	723.1	676.0	627.7	569.4	489.9	402.1	326.9	256.5
67.5°	1076.7	1002.2	926.9	854.8	795.4	738.6	682.4	589.9	489.2	394.4	313.5
65°	1282.3	1182.8	1087.3	998.2	917.5	846.5	780.5	683.5	573.8	467.2	368.9
62.5°	1494.0	1367.2	1253.9	1140.4	1039.9	953.6	874.2	767.3	654.7	537.5	426.8
60°	1716.6	1572.2	1421.7	1289.1	1165.9	1056.7	960.5	849.8	730.3	605.2	484.3
57.5°	1951.0	1781.2	1612.1	1444.5	1296.6	1165.6	1044.6	928.1	804.7	672.0	537.8
55°	2188.5	2005.6	1805.6	1616.7	1435.2	1279.3	1133.5	1003.2	876.5	737.7	584.1
52.5°	2426.3	2225.3	2010.7	1792.5	1589.4	1394.2	1231.3	1076.4	942.6	801.9	632.2
50°	2675.0	2444.6	2214.6	1978.8	1742.7	1528.9	1325.8	1160.4	1006.7	862.8	677.9
47.5°	2933.8	2677.1	2421.2	2163.6	1910.3	1657.7	1436.1	1242.5	1068.8	918.0	720.4
45°	3217.5	2917.3	2634.1	2355.5	2069.0	1796.9	1547.7	1321.2	1139.0	960.9	759.5
42.5°	3501.0	3170.9	2854.4	2544.5	2235.2	1935.2	1653.5	1413.8	1206.3	1001.9	795.5
40°	3802.7	3425.4	3074.5	2738.2	2397.5	2066.7	1770.7	1504.1	1269.3	1044.6	829.6
37.5°	4095.9	3686.2	3300.6	2923.2	2556.5	2208.8	1883.4	1588.7	1329.0	1092.5	861.9
35°	4406.3	3948.3	3509.6	3109.4	2720.1	2343.5	1989.0	1673.9	1397.8	1139.3	892.4
32.5°	4706.1	4204.6	3734.1	3293.1	2876.4	2470.4	2097.5	1764.2	1463.9	1184.6	920.9
30°	5000.8	4461.7	3949.2	3466.8	3027.9	2603.6	2206.3	1848.7	1527.1	1228.4	949.4
27.5°	5272.4	4699.9	4155.3	3646.3	3176.6	2730.0	2309.1	1927.0	1587.1	1273.4	982.5
25°	5525.5	4929.1	4358.5	3819.1	3314.7	2849.7	2403.8	1999.4	1648.2	1320.4	1013.3
22.5°	5763.0	5141.9	4542.7	3978.2	3442.6	2959.6	2496.1	2076.5	1706.0	1363.6	1041.5
20°	5978.8	5333.5	4707.6	4122.4	3567.1	3064.4	2584.9	2145.7	1757.6	1402.8	1066.8
17.5°	6173.2	5508.7	4865.1	4257.3	3683.0	3157.4	2663.8	2206.7	1803.0	1437.7	1089.1
15°	6353.7	5667.9	5004.3	4375.0	3783.3	3238.4	2732.5	2259.3	1841.8	1468.1	1110.4
12.5°	6508.8	5804.4	5122.3	4475.0	3867.8	3307.0	2790.6	2303.3	1874.1	1495.6	1130.4
10°	6636.5	5917.3	5218.8	4556.7	3936.2	3362.9	2837.8	2340.5	1904.4	1519.3	1145.8
7.5°	6735.9	6005.7	5293.1	4619.8	3990.4	3409.5	2877.9	2372.5	1928.8	1537.6	1156.6
5°	6811.3	6074.7	5357.7	4672.6	4040.3	3447.2	2907.2	2395.5	1946.4	1550.1	1162.7
2.5°	6878.2	6126.4	5408.5	4706.9	4074.2	3471.8	2924.7	2409.3	1957.2	1556.8	1164.1
0°	6916.0	6151.5	5436.5	4721.6	4091.6	3482.8	2930.6	2413.9	1960.8	1557.3	1160.9
-2.5°	6878.2	6126.4	5408.5	4706.9	4074.2	3471.8	2924.7	2409.3	1957.2	1556.8	1164.1
-5°	6811.3	6074.7	5357.7	4672.6	4040.3	3447.2	2907.2	2395.5	1946.4	1550.1	1162.7
-7.5°	6735.9	6005.7	5293.1	4619.8	3990.4	3409.5	2877.9	2372.5	1928.8	1537.6	1156.6
-10°	6636.5	5917.3	5218.8	4556.7	3936.2	3362.9	2837.8	2340.5	1904.4	1519.3	1145.8
-12.5°	6508.8	5804.4	5122.3	4475.0	3867.8	3307.0	2790.6	2303.3	1874.1	1495.6	1130.4
-15°	6353.7	5667.9	5004.3	4375.0	3783.3	3238.4	2732.5	2259.3	1841.8	1468.1	1110.4
-17.5°	6173.2	5508.7	4865.1	4257.3	3683.0	3157.4	2663.8	2206.7	1803.0	1437.7	1089.1
-20°	5978.8	5333.5	4707.6	4122.4	3567.1	3064.4	2584.9	2145.7	1757.6	1402.8	1066.8



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5763.0	5141.9	4542.7	3978.2	3442.6	2959.6	2496.1	2076.5	1706.0	1363.6	1041.5
-25°	5525.5	4929.1	4358.5	3819.1	3314.7	2849.7	2403.8	1999.4	1648.2	1320.4	1013.3
-27.5°	5272.4	4699.9	4155.3	3646.3	3176.6	2730.0	2309.1	1927.0	1587.1	1273.4	982.5
-30°	5000.8	4461.7	3949.2	3466.8	3027.9	2603.6	2206.3	1848.7	1527.1	1228.4	949.4
-32.5°	4706.1	4204.6	3734.1	3293.1	2876.4	2470.4	2097.5	1764.2	1463.9	1184.6	920.9
-35°	4406.3	3948.3	3509.6	3109.4	2720.1	2343.5	1989.0	1673.9	1397.8	1139.3	892.4
-37.5°	4095.9	3686.2	3300.6	2923.2	2556.5	2208.8	1883.4	1588.7	1329.0	1092.5	861.9
-40°	3802.7	3425.4	3074.5	2738.2	2397.5	2066.7	1770.7	1504.1	1269.3	1044.6	829.6
-42.5°	3501.0	3170.9	2854.4	2544.5	2235.2	1935.2	1653.5	1413.8	1206.3	1001.9	795.5
-45°	3217.5	2917.3	2634.1	2355.5	2069.0	1796.9	1547.7	1321.2	1139.0	960.9	759.5
-47.5°	2933.8	2677.1	2421.2	2163.6	1910.3	1657.7	1436.1	1242.5	1068.8	918.0	720.4
-50°	2675.0	2444.6	2214.6	1978.8	1742.7	1528.9	1325.8	1160.4	1006.7	862.8	677.9
-52.5°	2426.3	2225.3	2010.7	1792.5	1589.4	1394.2	1231.3	1076.4	942.6	801.9	632.2
-55°	2188.5	2005.6	1805.6	1616.7	1435.2	1279.3	1133.5	1003.2	876.5	737.7	584.1
-57.5°	1951.0	1781.2	1612.1	1444.5	1296.6	1165.6	1044.6	928.1	804.7	672.0	537.8
-60°	1716.6	1572.2	1421.7	1289.1	1165.9	1056.7	960.5	849.8	730.3	605.2	484.3
-62.5°	1494.0	1367.2	1253.9	1140.4	1039.9	953.6	874.2	767.3	654.7	537.5	426.8
-65°	1282.3	1182.8	1087.3	998.2	917.5	846.5	780.5	683.5	573.8	467.2	368.9
-67.5°	1076.7	1002.2	926.9	854.8	795.4	738.6	682.4	589.9	489.2	394.4	313.5
-70°	890.5	827.4	771.2	723.1	676.0	627.7	569.4	489.9	402.1	326.9	256.5
-72.5°	707.1	665.1	627.5	592.1	553.1	507.0	453.9	389.4	321.8	258.0	198.2
-75°	526.0	508.6	489.9	464.7	428.7	387.4	345.8	295.7	240.1	187.7	149.5
-77.5°	381.6	370.7	357.4	342.3	314.2	281.2	243.3	200.4	164.1	134.8	104.3
-80°	252.4	249.7	243.7	232.2	205.8	175.9	153.4	130.1	107.3	83.5	58.7
-82.5°	139.8	141.2	141.1	136.9	120.8	103.9	86.1	67.7	50.2	31.9	25.5
-85°	66.9	65.3	61.8	56.0	44.1	31.8	27.7	23.9	21.6	19.3	17.0
-87.5°	20.3	20.5	20.5	20.3	18.1	15.9	13.9	12.0	10.8	9.7	8.5
-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):**

	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°	7.3	6.1	4.9	3.7	2.5	1.1	0.0
85°	14.6	12.2	9.8	7.4	4.9	2.2	0.0
82.5°	21.9	18.3	14.7	11.1	7.4	3.2	0.0
80°	33.0	24.4	19.6	14.7	9.8	4.3	0.0
77.5°	71.8	38.2	24.4	18.3	12.2	5.3	0.0
75°	109.8	66.2	31.8	21.9	14.5	6.4	0.0
72.5°	146.5	93.3	50.6	25.5	16.8	7.4	0.0
70°	183.3	119.4	68.9	30.5	19.0	8.4	0.0
67.5°	227.4	144.5	86.5	41.8	21.2	9.4	0.0
65°	269.6	172.6	103.2	52.7	23.3	10.3	0.0
62.5°	309.7	203.3	119.1	63.0	25.4	11.2	0.0
60°	347.4	232.4	134.0	72.8	27.3	12.1	0.0
57.5°	387.2	259.7	153.9	82.0	32.8	13.0	0.0
55°	424.8	285.1	172.9	90.6	38.2	13.8	0.0
52.5°	459.7	309.3	190.5	98.6	43.4	14.6	0.0
50°	491.6	334.9	206.8	105.8	48.3	15.4	0.0
47.5°	521.5	358.2	221.6	113.4	53.1	16.1	0.0
45°	554.8	379.3	234.9	123.2	57.6	16.8	0.0
42.5°	585.3	398.1	246.7	132.1	61.8	17.4	0.0
40°	613.0	414.5	258.5	141.2	65.8	18.0	0.0
37.5°	637.8	428.5	270.3	150.2	69.6	18.5	0.0
35°	659.6	444.7	280.4	158.6	73.0	19.0	0.0
32.5°	679.9	460.8	288.8	166.3	76.2	19.5	0.0
30°	700.9	474.7	295.6	173.4	79.1	19.9	0.0
27.5°	719.8	486.1	305.7	179.8	81.8	20.3	0.0
25°	736.4	495.2	315.2	185.5	84.2	20.6	0.0
22.5°	750.6	504.3	323.6	190.6	86.2	20.8	0.0
20°	762.4	516.8	330.8	195.0	88.0	21.1	0.0
17.5°	777.1	527.1	336.8	198.7	89.5	21.2	0.0
15°	792.4	535.0	341.7	201.6	90.7	21.4	0.0
12.5°	804.8	540.8	345.4	204.0	91.6	21.4	0.0
10°	814.3	544.4	348.0	205.6	92.3	21.5	0.0
7.5°	820.7	545.8	349.4	206.5	92.6	21.5	0.0
5°	824.0	545.2	349.7	206.8	92.7	21.4	0.0
2.5°	824.2	542.5	348.8	206.4	92.5	21.3	0.0
0°	821.1	538.0	346.9	205.3	92.0	21.2	0.0
-2.5°	824.2	542.5	348.8	206.4	92.5	21.3	0.0
-5°	824.0	545.2	349.7	206.8	92.7	21.4	0.0
-7.5°	820.7	545.8	349.4	206.5	92.6	21.5	0.0
-10°	814.3	544.4	348.0	205.6	92.3	21.5	0.0
-12.5°	804.8	540.8	345.4	204.0	91.6	21.4	0.0
-15°	792.4	535.0	341.7	201.6	90.7	21.4	0.0
-17.5°	777.1	527.1	336.8	198.7	89.5	21.2	0.0
-20°	762.4	516.8	330.8	195.0	88.0	21.1	0.0

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REPORT NUMBER: P627911 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	750.6	504.3	323.6	190.6	86.2	20.8	0.0
-25°	736.4	495.2	315.2	185.5	84.2	20.6	0.0
-27.5°	719.8	486.1	305.7	179.8	81.8	20.3	0.0
-30°	700.9	474.7	295.6	173.4	79.1	19.9	0.0
-32.5°	679.9	460.8	288.8	166.3	76.2	19.5	0.0
-35°	659.6	444.7	280.4	158.6	73.0	19.0	0.0
-37.5°	637.8	428.5	270.3	150.2	69.6	18.5	0.0
-40°	613.0	414.5	258.5	141.2	65.8	18.0	0.0
-42.5°	585.3	398.1	246.7	132.1	61.8	17.4	0.0
-45°	554.8	379.3	234.9	123.2	57.6	16.8	0.0
-47.5°	521.5	358.2	221.6	113.4	53.1	16.1	0.0
-50°	491.6	334.9	206.8	105.8	48.3	15.4	0.0
-52.5°	459.7	309.3	190.5	98.6	43.4	14.6	0.0
-55°	424.8	285.1	172.9	90.6	38.2	13.8	0.0
-57.5°	387.2	259.7	153.9	82.0	32.8	13.0	0.0
-60°	347.4	232.4	134.0	72.8	27.3	12.1	0.0
-62.5°	309.7	203.3	119.1	63.0	25.4	11.2	0.0
-65°	269.6	172.6	103.2	52.7	23.3	10.3	0.0
-67.5°	227.4	144.5	86.5	41.8	21.2	9.4	0.0
-70°	183.3	119.4	68.9	30.5	19.0	8.4	0.0
-72.5°	146.5	93.3	50.6	25.5	16.8	7.4	0.0
-75°	109.8	66.2	31.8	21.9	14.5	6.4	0.0
-77.5°	71.8	38.2	24.4	18.3	12.2	5.3	0.0
-80°	33.0	24.4	19.6	14.7	9.8	4.3	0.0
-82.5°	21.9	18.3	14.7	11.1	7.4	3.2	0.0
-85°	14.6	12.2	9.8	7.4	4.9	2.2	0.0
-87.5°	7.3	6.1	4.9	3.7	2.5	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)