

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3D-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3D-727-U-LAM-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

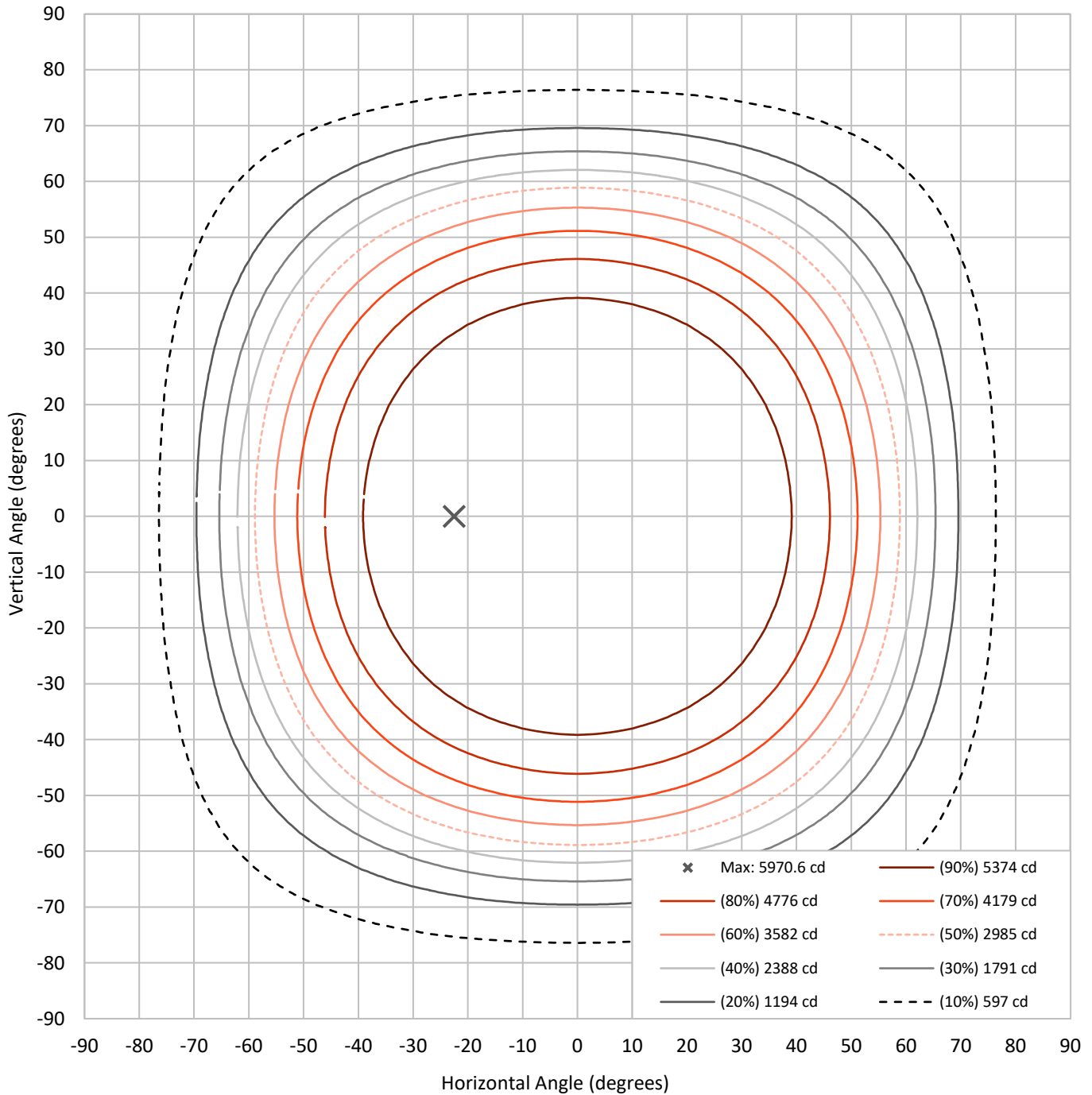
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18264.6 lumens	Max Intensity:	5970.6 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	114.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	15200.1 lumens	Field Lumens:	17905.3 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
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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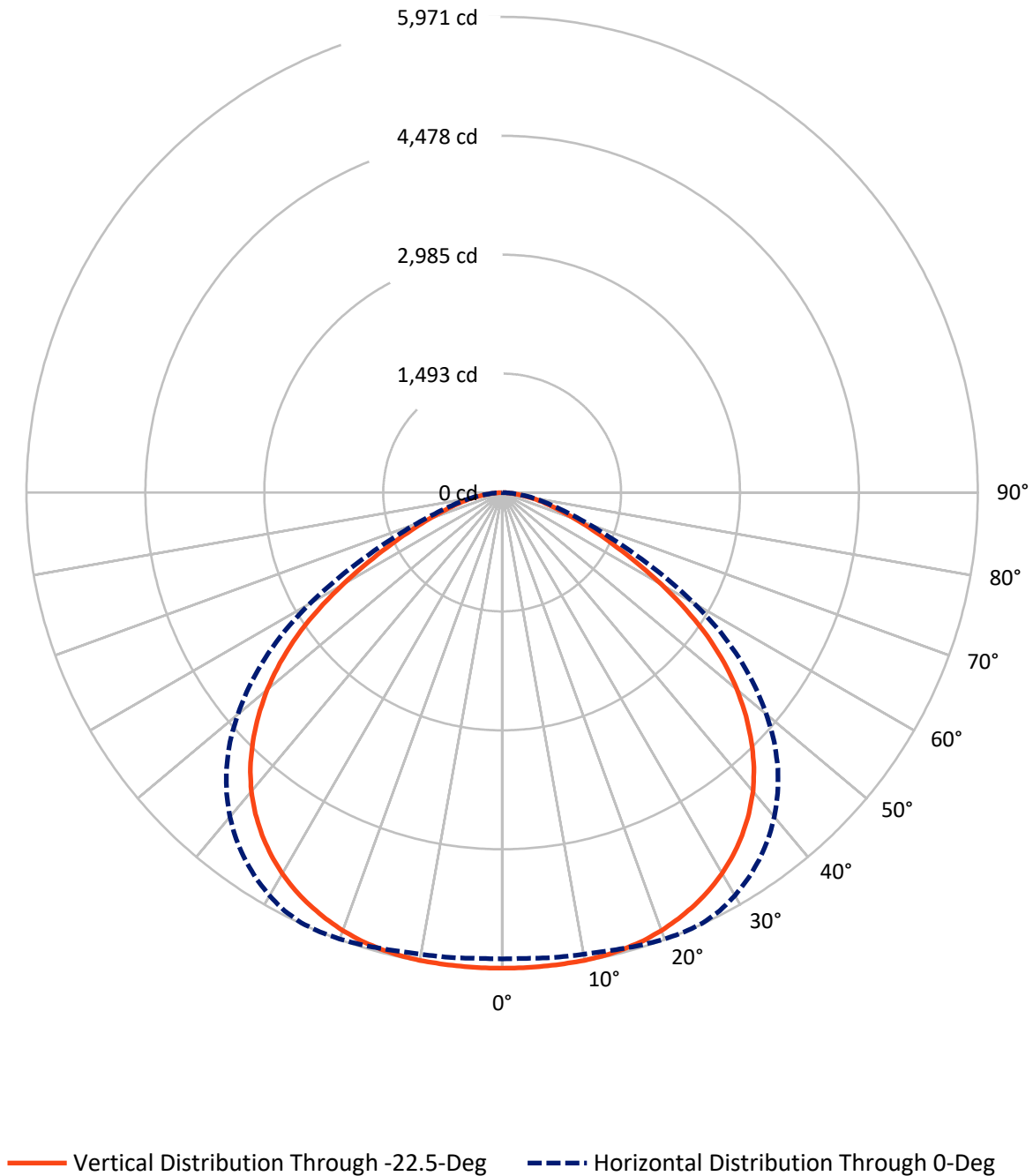
### Iso-Candela Plot





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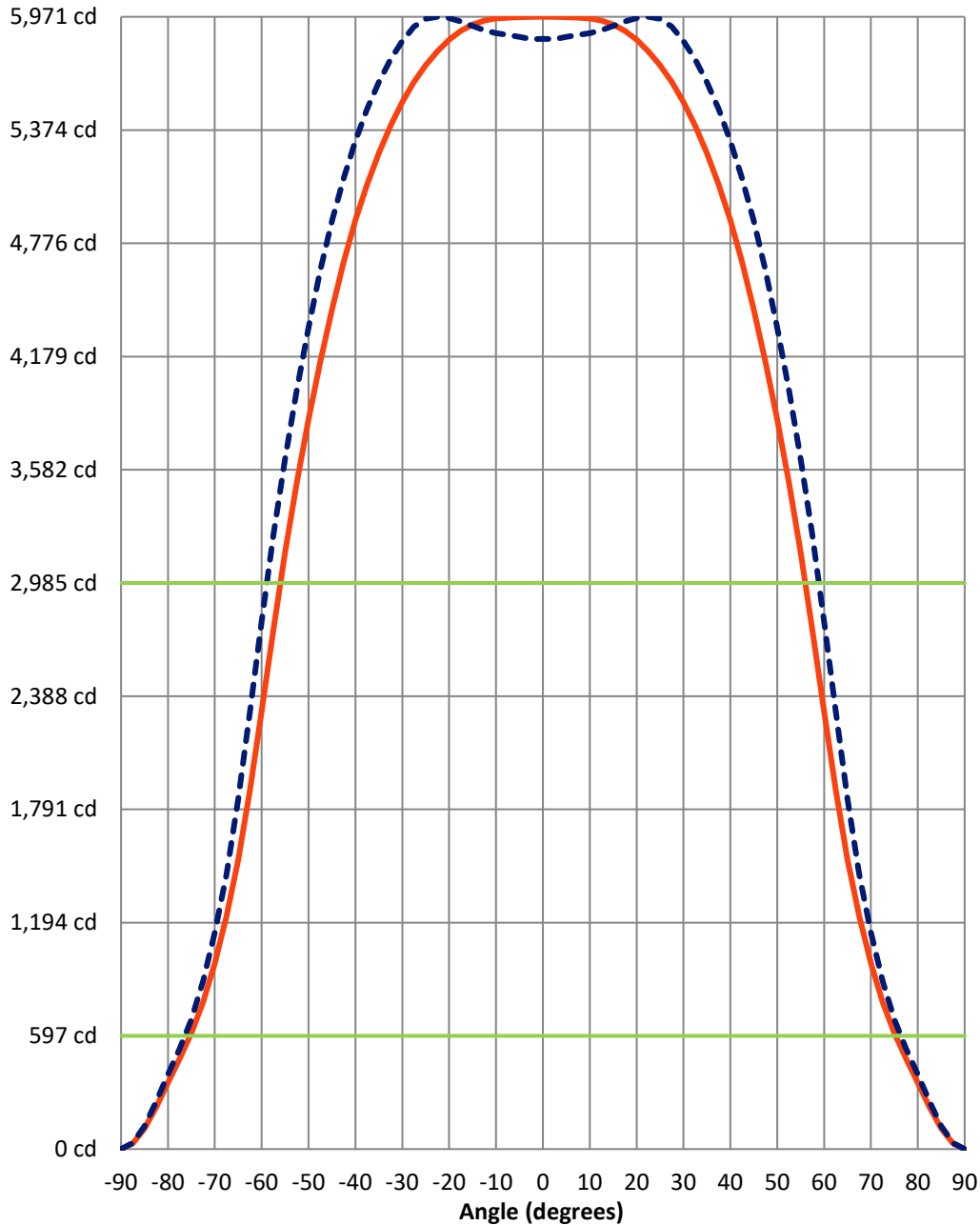
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 15200.1  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 17905.3  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 359.2  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	1.4	2.8	4.3	5.7	7.1	8.5	9.8	11.2	12.5	13.8
85°	0.0	2.8	5.7	8.5	11.3	14.1	16.9	19.6	22.3	25.0	27.6
82.5°	0.0	4.3	8.5	12.8	17.0	21.2	25.3	29.4	34.8	45.6	56.2
80°	0.0	5.7	11.3	17.0	22.6	28.2	35.4	50.2	64.8	79.2	93.4
77.5°	0.0	7.1	14.1	21.2	28.2	39.3	58.0	76.5	94.7	112.7	134.3
75°	0.0	8.5	16.9	25.3	35.4	58.0	80.3	102.5	125.6	156.9	187.7
72.5°	0.0	9.8	19.6	29.4	50.2	76.5	102.5	131.2	168.2	204.7	240.5
70°	0.0	11.2	22.3	34.8	64.8	94.7	125.6	168.2	210.3	252.0	297.0
67.5°	0.0	12.5	25.0	45.6	79.2	112.7	156.9	204.7	252.0	303.3	353.8
65°	0.0	13.8	27.6	56.2	93.4	134.3	187.7	240.5	297.0	353.8	409.0
62.5°	0.0	15.1	30.2	66.6	107.3	159.6	217.9	278.2	341.2	403.0	461.4
60°	0.0	16.3	32.7	76.8	120.8	184.2	247.5	316.2	384.6	449.3	512.8
57.5°	0.0	17.6	39.2	86.7	139.8	208.3	278.9	353.3	425.3	494.6	567.6
55°	0.0	18.8	45.7	96.4	158.5	231.7	309.9	389.4	464.6	540.2	623.4
52.5°	0.0	19.9	51.9	105.8	176.7	254.9	340.0	423.1	502.9	589.0	677.6
50°	0.0	21.0	58.0	114.9	194.4	279.1	369.2	455.5	541.4	636.4	745.1
47.5°	0.0	22.1	63.8	124.6	211.3	302.6	397.1	486.8	582.1	682.3	812.1
45°	0.0	23.1	69.4	136.8	227.7	325.1	422.9	517.0	621.3	740.0	876.7
42.5°	0.0	24.1	74.8	148.5	243.3	346.7	447.7	548.2	659.0	795.7	952.9
40°	0.0	25.0	79.9	159.7	259.0	367.3	471.3	579.5	698.6	849.1	1028.1
37.5°	0.0	25.9	84.7	170.3	274.7	386.9	493.7	609.4	743.6	903.6	1099.9
35°	0.0	26.8	89.3	180.3	289.4	404.8	515.0	637.7	786.2	964.6	1173.1
32.5°	0.0	27.6	93.6	189.8	303.3	421.4	535.8	664.3	826.3	1022.0	1250.1
30°	0.0	28.3	97.7	198.6	316.3	436.9	557.0	691.0	863.9	1075.8	1322.3
27.5°	0.0	29.0	101.4	206.8	328.3	451.3	576.7	721.3	902.2	1125.8	1389.5
25°	0.0	29.6	104.8	214.3	339.4	464.6	594.9	749.3	942.9	1177.9	1452.2
22.5°	0.0	30.2	108.0	221.1	349.5	476.7	611.4	774.8	980.1	1228.5	1525.5
20°	0.0	30.7	110.8	227.3	358.6	487.5	626.3	797.8	1013.6	1274.0	1591.7
17.5°	0.0	31.2	113.3	232.8	366.7	497.2	639.5	818.2	1043.3	1314.5	1650.6
15°	0.0	31.6	115.4	237.5	373.7	505.6	651.1	836.0	1069.3	1349.9	1702.0
12.5°	0.0	31.9	117.3	241.6	379.7	512.8	660.9	851.2	1091.3	1380.0	1745.7
10°	0.0	32.2	118.8	244.9	384.6	518.6	668.9	863.6	1109.5	1404.7	1781.7
7.5°	0.0	32.4	120.0	247.5	388.4	523.2	675.2	873.3	1123.6	1424.0	1809.8
5°	0.0	32.6	120.8	249.3	391.1	526.5	679.7	880.2	1133.8	1437.8	1830.0
2.5°	0.0	32.7	121.3	250.4	392.8	528.4	682.4	884.4	1139.9	1446.1	1842.1
0°	0.0	32.7	121.5	250.8	393.3	529.1	683.3	885.8	1141.9	1448.9	1846.1
-2.5°	0.0	32.7	121.3	250.4	392.8	528.4	682.4	884.4	1139.9	1446.1	1842.1
-5°	0.0	32.6	120.8	249.3	391.1	526.5	679.7	880.2	1133.8	1437.8	1830.0
-7.5°	0.0	32.4	120.0	247.5	388.4	523.2	675.2	873.3	1123.6	1424.0	1809.8
-10°	0.0	32.2	118.8	244.9	384.6	518.6	668.9	863.6	1109.5	1404.7	1781.7
-12.5°	0.0	31.9	117.3	241.6	379.7	512.8	660.9	851.2	1091.3	1380.0	1745.7
-15°	0.0	31.6	115.4	237.5	373.7	505.6	651.1	836.0	1069.3	1349.9	1702.0
-17.5°	0.0	31.2	113.3	232.8	366.7	497.2	639.5	818.2	1043.3	1314.5	1650.6
-20°	0.0	30.7	110.8	227.3	358.6	487.5	626.3	797.8	1013.6	1274.0	1591.7

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA3D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	30.2	108.0	221.1	349.5	476.7	611.4	774.8	980.1	1228.5	1525.5
-25°	0.0	29.6	104.8	214.3	339.4	464.6	594.9	749.3	942.9	1177.9	1452.2
-27.5°	0.0	29.0	101.4	206.8	328.3	451.3	576.7	721.3	902.2	1125.8	1389.5
-30°	0.0	28.3	97.7	198.6	316.3	436.9	557.0	691.0	863.9	1075.8	1322.3
-32.5°	0.0	27.6	93.6	189.8	303.3	421.4	535.8	664.3	826.3	1022.0	1250.1
-35°	0.0	26.8	89.3	180.3	289.4	404.8	515.0	637.7	786.2	964.6	1173.1
-37.5°	0.0	25.9	84.7	170.3	274.7	386.9	493.7	609.4	743.6	903.6	1099.9
-40°	0.0	25.0	79.9	159.7	259.0	367.3	471.3	579.5	698.6	849.1	1028.1
-42.5°	0.0	24.1	74.8	148.5	243.3	346.7	447.7	548.2	659.0	795.7	952.9
-45°	0.0	23.1	69.4	136.8	227.7	325.1	422.9	517.0	621.3	740.0	876.7
-47.5°	0.0	22.1	63.8	124.6	211.3	302.6	397.1	486.8	582.1	682.3	812.1
-50°	0.0	21.0	58.0	114.9	194.4	279.1	369.2	455.5	541.4	636.4	745.1
-52.5°	0.0	19.9	51.9	105.8	176.7	254.9	340.0	423.1	502.9	589.0	677.6
-55°	0.0	18.8	45.7	96.4	158.5	231.7	309.9	389.4	464.6	540.2	623.4
-57.5°	0.0	17.6	39.2	86.7	139.8	208.3	278.9	353.3	425.3	494.6	567.6
-60°	0.0	16.3	32.7	76.8	120.8	184.2	247.5	316.2	384.6	449.3	512.8
-62.5°	0.0	15.1	30.2	66.6	107.3	159.6	217.9	278.2	341.2	403.0	461.4
-65°	0.0	13.8	27.6	56.2	93.4	134.3	187.7	240.5	297.0	353.8	409.0
-67.5°	0.0	12.5	25.0	45.6	79.2	112.7	156.9	204.7	252.0	303.3	353.8
-70°	0.0	11.2	22.3	34.8	64.8	94.7	125.6	168.2	210.3	252.0	297.0
-72.5°	0.0	9.8	19.6	29.4	50.2	76.5	102.5	131.2	168.2	204.7	240.5
-75°	0.0	8.5	16.9	25.3	35.4	58.0	80.3	102.5	125.6	156.9	187.7
-77.5°	0.0	7.1	14.1	21.2	28.2	39.3	58.0	76.5	94.7	112.7	134.3
-80°	0.0	5.7	11.3	17.0	22.6	28.2	35.4	50.2	64.8	79.2	93.4
-82.5°	0.0	4.3	8.5	12.8	17.0	21.2	25.3	29.4	34.8	45.6	56.2
-85°	0.0	2.8	5.7	8.5	11.3	14.1	16.9	19.6	22.3	25.0	27.6
-87.5°	0.0	1.4	2.8	4.3	5.7	7.1	8.5	9.8	11.2	12.5	13.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-XX

**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°	15.1	16.3	17.6	18.8	19.9	21.0	22.1	23.1	24.1	25.0	25.9
85°	30.2	32.7	39.2	45.7	51.9	58.0	63.8	69.4	74.8	79.9	84.7
82.5°	66.6	76.8	86.7	96.4	105.8	114.9	124.6	136.8	148.5	159.7	170.3
80°	107.3	120.8	139.8	158.5	176.7	194.4	211.3	227.7	243.3	259.0	274.7
77.5°	159.6	184.2	208.3	231.7	254.9	279.1	302.6	325.1	346.7	367.3	386.9
75°	217.9	247.5	278.9	309.9	340.0	369.2	397.1	422.9	447.7	471.3	493.7
72.5°	278.2	316.2	353.3	389.4	423.1	455.5	486.8	517.0	548.2	579.5	609.4
70°	341.2	384.6	425.3	464.6	502.9	541.4	582.1	621.3	659.0	698.6	743.6
67.5°	403.0	449.3	494.6	540.2	589.0	636.4	682.3	740.0	795.7	849.1	903.6
65°	461.4	512.8	567.6	623.4	677.6	745.1	812.1	876.7	952.9	1028.1	1099.9
62.5°	518.8	581.4	644.1	712.3	790.7	866.8	955.1	1045.3	1132.0	1229.7	1324.8
60°	581.4	651.1	730.6	818.2	908.4	1013.6	1115.5	1228.5	1342.3	1452.2	1587.2
57.5°	644.1	730.6	827.4	931.9	1048.9	1167.0	1299.6	1427.9	1581.9	1735.7	1888.7
55°	712.3	818.2	931.9	1060.7	1195.5	1342.6	1496.4	1675.7	1849.2	2042.5	2227.5
52.5°	790.7	908.4	1048.9	1195.5	1357.1	1534.0	1732.5	1937.7	2153.8	2363.7	2569.6
50°	866.8	1013.6	1167.0	1342.6	1534.0	1751.5	1982.3	2221.3	2457.2	2687.4	2903.0
47.5°	955.1	1115.5	1299.6	1496.4	1732.5	1982.3	2243.8	2504.3	2758.9	2995.0	3221.2
45°	1045.3	1228.5	1427.9	1675.7	1937.7	2221.3	2504.3	2782.8	3041.4	3285.4	3498.9
42.5°	1132.0	1342.3	1581.9	1849.2	2153.8	2457.2	2758.9	3041.4	3306.3	3541.3	3755.8
40°	1229.7	1452.2	1735.7	2042.5	2363.7	2687.4	2995.0	3285.4	3541.3	3775.3	3992.4
37.5°	1324.8	1587.2	1888.7	2227.5	2569.6	2903.0	3221.2	3498.9	3755.8	3992.4	4200.7
35°	1415.1	1715.5	2051.2	2406.9	2766.0	3105.1	3414.8	3697.5	3952.7	4182.3	4395.3
32.5°	1515.5	1836.8	2205.1	2579.4	2945.1	3290.3	3597.3	3873.8	4127.5	4360.7	4572.2
30°	1619.1	1967.6	2351.1	2741.7	3113.2	3450.9	3757.4	4037.4	4289.0	4519.4	4726.7
27.5°	1715.5	2091.0	2490.4	2888.6	3266.8	3601.5	3903.8	4179.5	4432.6	4664.6	4865.4
25°	1804.6	2205.1	2619.4	3023.1	3396.1	3731.6	4036.6	4312.1	4563.8	4786.4	4981.6
22.5°	1892.6	2309.5	2737.5	3146.5	3514.9	3847.8	4150.1	4426.3	4678.2	4898.7	5086.0
20°	1978.1	2406.9	2841.8	3255.9	3622.7	3953.5	4253.4	4529.1	4774.2	4987.7	5174.3
17.5°	2054.1	2493.7	2933.0	3344.3	3711.3	4043.7	4344.9	4621.5	4860.7	5068.1	5250.5
15°	2120.6	2569.6	3012.8	3421.7	3787.6	4118.6	4419.8	4693.4	4931.0	5136.7	5317.8
12.5°	2177.2	2634.2	3080.9	3487.7	3852.7	4182.7	4484.0	4753.8	4987.4	5190.4	5367.6
10°	2223.8	2687.4	3136.9	3542.2	3906.5	4235.7	4537.1	4803.8	5034.2	5235.1	5409.1
7.5°	2260.2	2729.0	3180.8	3584.8	3948.6	4277.2	4578.8	4843.1	5071.0	5270.3	5441.9
5°	2286.3	2758.9	3212.3	3615.3	3978.8	4307.0	4608.7	4871.4	5097.5	5295.6	5465.5
2.5°	2302.0	2776.8	3231.2	3633.8	3997.0	4325.0	4626.8	4888.4	5113.5	5311.0	5479.8
0°	2307.2	2782.8	3237.5	3639.9	4003.1	4331.0	4632.8	4894.1	5118.8	5316.1	5484.6
-2.5°	2302.0	2776.8	3231.2	3633.8	3997.0	4325.0	4626.8	4888.4	5113.5	5311.0	5479.8
-5°	2286.3	2758.9	3212.3	3615.3	3978.8	4307.0	4608.7	4871.4	5097.5	5295.6	5465.5
-7.5°	2260.2	2729.0	3180.8	3584.8	3948.6	4277.2	4578.8	4843.1	5071.0	5270.3	5441.9
-10°	2223.8	2687.4	3136.9	3542.2	3906.5	4235.7	4537.1	4803.8	5034.2	5235.1	5409.1
-12.5°	2177.2	2634.2	3080.9	3487.7	3852.7	4182.7	4484.0	4753.8	4987.4	5190.4	5367.6
-15°	2120.6	2569.6	3012.8	3421.7	3787.6	4118.6	4419.8	4693.4	4931.0	5136.7	5317.8
-17.5°	2054.1	2493.7	2933.0	3344.3	3711.3	4043.7	4344.9	4621.5	4860.7	5068.1	5250.5
-20°	1978.1	2406.9	2841.8	3255.9	3622.7	3953.5	4253.4	4529.1	4774.2	4987.7	5174.3



REPORT NUMBER: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1892.6	2309.5	2737.5	3146.5	3514.9	3847.8	4150.1	4426.3	4678.2	4898.7	5086.0
-25°	1804.6	2205.1	2619.4	3023.1	3396.1	3731.6	4036.6	4312.1	4563.8	4786.4	4981.6
-27.5°	1715.5	2091.0	2490.4	2888.6	3266.8	3601.5	3903.8	4179.5	4432.6	4664.6	4865.4
-30°	1619.1	1967.6	2351.1	2741.7	3113.2	3450.9	3757.4	4037.4	4289.0	4519.4	4726.7
-32.5°	1515.5	1836.8	2205.1	2579.4	2945.1	3290.3	3597.3	3873.8	4127.5	4360.7	4572.2
-35°	1415.1	1715.5	2051.2	2406.9	2766.0	3105.1	3414.8	3697.5	3952.7	4182.3	4395.3
-37.5°	1324.8	1587.2	1888.7	2227.5	2569.6	2903.0	3221.2	3498.9	3755.8	3992.4	4200.7
-40°	1229.7	1452.2	1735.7	2042.5	2363.7	2687.4	2995.0	3285.4	3541.3	3775.3	3992.4
-42.5°	1132.0	1342.3	1581.9	1849.2	2153.8	2457.2	2758.9	3041.4	3306.3	3541.3	3755.8
-45°	1045.3	1228.5	1427.9	1675.7	1937.7	2221.3	2504.3	2782.8	3041.4	3285.4	3498.9
-47.5°	955.1	1115.5	1299.6	1496.4	1732.5	1982.3	2243.8	2504.3	2758.9	2995.0	3221.2
-50°	866.8	1013.6	1167.0	1342.6	1534.0	1751.5	1982.3	2221.3	2457.2	2687.4	2903.0
-52.5°	790.7	908.4	1048.9	1195.5	1357.1	1534.0	1732.5	1937.7	2153.8	2363.7	2569.6
-55°	712.3	818.2	931.9	1060.7	1195.5	1342.6	1496.4	1675.7	1849.2	2042.5	2227.5
-57.5°	644.1	730.6	827.4	931.9	1048.9	1167.0	1299.6	1427.9	1581.9	1735.7	1888.7
-60°	581.4	651.1	730.6	818.2	908.4	1013.6	1115.5	1228.5	1342.3	1452.2	1587.2
-62.5°	518.8	581.4	644.1	712.3	790.7	866.8	955.1	1045.3	1132.0	1229.7	1324.8
-65°	461.4	512.8	567.6	623.4	677.6	745.1	812.1	876.7	952.9	1028.1	1099.9
-67.5°	403.0	449.3	494.6	540.2	589.0	636.4	682.3	740.0	795.7	849.1	903.6
-70°	341.2	384.6	425.3	464.6	502.9	541.4	582.1	621.3	659.0	698.6	743.6
-72.5°	278.2	316.2	353.3	389.4	423.1	455.5	486.8	517.0	548.2	579.5	609.4
-75°	217.9	247.5	278.9	309.9	340.0	369.2	397.1	422.9	447.7	471.3	493.7
-77.5°	159.6	184.2	208.3	231.7	254.9	279.1	302.6	325.1	346.7	367.3	386.9
-80°	107.3	120.8	139.8	158.5	176.7	194.4	211.3	227.7	243.3	259.0	274.7
-82.5°	66.6	76.8	86.7	96.4	105.8	114.9	124.6	136.8	148.5	159.7	170.3
-85°	30.2	32.7	39.2	45.7	51.9	58.0	63.8	69.4	74.8	79.9	84.7
-87.5°	15.1	16.3	17.6	18.8	19.9	21.0	22.1	23.1	24.1	25.0	25.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-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°	26.8	27.6	28.3	29.0	29.6	30.2	30.7	31.2	31.6	31.9	32.2
85°	89.3	93.6	97.7	101.4	104.8	108.0	110.8	113.3	115.4	117.3	118.8
82.5°	180.3	189.8	198.6	206.8	214.3	221.1	227.3	232.8	237.5	241.6	244.9
80°	289.4	303.3	316.3	328.3	339.4	349.5	358.6	366.7	373.7	379.7	384.6
77.5°	404.8	421.4	436.9	451.3	464.6	476.7	487.5	497.2	505.6	512.8	518.6
75°	515.0	535.8	557.0	576.7	594.9	611.4	626.3	639.5	651.1	660.9	668.9
72.5°	637.7	664.3	691.0	721.3	749.3	774.8	797.8	818.2	836.0	851.2	863.6
70°	786.2	826.3	863.9	902.2	942.9	980.1	1013.6	1043.3	1069.3	1091.3	1109.5
67.5°	964.6	1022.0	1075.8	1125.8	1177.9	1228.5	1274.0	1314.5	1349.9	1380.0	1404.7
65°	1173.1	1250.1	1322.3	1389.5	1452.2	1525.5	1591.7	1650.6	1702.0	1745.7	1781.7
62.5°	1415.1	1515.5	1619.1	1715.5	1804.6	1892.6	1978.1	2054.1	2120.6	2177.2	2223.8
60°	1715.5	1836.8	1967.6	2091.0	2205.1	2309.5	2406.9	2493.7	2569.6	2634.2	2687.4
57.5°	2051.2	2205.1	2351.1	2490.4	2619.4	2737.5	2841.8	2933.0	3012.8	3080.9	3136.9
55°	2406.9	2579.4	2741.7	2888.6	3023.1	3146.5	3255.9	3344.3	3421.7	3487.7	3542.2
52.5°	2766.0	2945.1	3113.2	3266.8	3396.1	3514.9	3622.7	3711.3	3787.6	3852.7	3906.5
50°	3105.1	3290.3	3450.9	3601.5	3731.6	3847.8	3953.5	4043.7	4118.6	4182.7	4235.7
47.5°	3414.8	3597.3	3757.4	3903.8	4036.6	4150.1	4253.4	4344.9	4419.8	4484.0	4537.1
45°	3697.5	3873.8	4037.4	4179.5	4312.1	4426.3	4529.1	4621.5	4693.4	4753.8	4803.8
42.5°	3952.7	4127.5	4289.0	4432.6	4563.8	4678.2	4774.2	4860.7	4931.0	4987.4	5034.2
40°	4182.3	4360.7	4519.4	4664.6	4786.4	4898.7	4987.7	5068.1	5136.7	5190.4	5235.1
37.5°	4395.3	4572.2	4726.7	4865.4	4981.6	5086.0	5174.3	5250.5	5317.8	5367.6	5409.1
35°	4590.0	4758.1	4910.9	5038.1	5153.3	5251.6	5338.4	5408.7	5471.2	5518.7	5556.6
32.5°	4758.1	4924.8	5066.7	5191.9	5304.4	5396.1	5479.4	5543.8	5600.5	5646.2	5681.4
30°	4910.9	5066.7	5204.9	5328.9	5431.4	5520.7	5595.7	5658.6	5711.0	5754.6	5785.5
27.5°	5038.1	5191.9	5328.9	5443.2	5541.3	5627.3	5696.0	5756.5	5802.3	5842.4	5869.0
25°	5153.3	5304.4	5431.4	5541.3	5636.5	5715.0	5780.4	5835.2	5875.8	5910.2	5930.0
22.5°	5251.6	5396.1	5520.7	5627.3	5715.0	5788.5	5850.1	5896.5	5929.7	5950.5	5962.2
20°	5338.4	5479.4	5595.7	5696.0	5780.4	5850.1	5903.5	5937.8	5961.0	5966.7	5970.0
17.5°	5408.7	5543.8	5658.6	5756.5	5835.2	5896.5	5937.8	5962.1	5969.0	5967.7	5964.3
15°	5471.2	5600.5	5711.0	5802.3	5875.8	5929.7	5961.0	5969.0	5966.9	5960.0	5949.2
12.5°	5518.7	5646.2	5754.6	5842.4	5910.2	5950.5	5966.7	5967.7	5960.0	5946.6	5931.3
10°	5556.6	5681.4	5785.5	5869.0	5930.0	5962.2	5970.0	5964.3	5949.2	5931.3	5914.4
7.5°	5586.5	5709.3	5810.2	5890.3	5943.0	5965.8	5967.5	5956.7	5938.6	5918.3	5900.0
5°	5608.2	5729.5	5828.1	5905.8	5952.4	5968.4	5965.6	5950.8	5929.8	5908.5	5891.7
2.5°	5621.3	5741.8	5839.0	5915.2	5958.2	5970.1	5964.5	5947.1	5924.2	5902.3	5886.3
0°	5625.7	5745.9	5842.6	5918.4	5960.2	5970.6	5964.1	5945.8	5922.3	5900.1	5884.4
-2.5°	5621.3	5741.8	5839.0	5915.2	5958.2	5970.1	5964.5	5947.1	5924.2	5902.3	5886.3
-5°	5608.2	5729.5	5828.1	5905.8	5952.4	5968.4	5965.6	5950.8	5929.8	5908.5	5891.7
-7.5°	5586.5	5709.3	5810.2	5890.3	5943.0	5965.8	5967.5	5956.7	5938.6	5918.3	5900.0
-10°	5556.6	5681.4	5785.5	5869.0	5930.0	5962.2	5970.0	5964.3	5949.2	5931.3	5914.4
-12.5°	5518.7	5646.2	5754.6	5842.4	5910.2	5950.5	5966.7	5967.7	5960.0	5946.6	5931.3
-15°	5471.2	5600.5	5711.0	5802.3	5875.8	5929.7	5961.0	5969.0	5966.9	5960.0	5949.2
-17.5°	5408.7	5543.8	5658.6	5756.5	5835.2	5896.5	5937.8	5962.1	5969.0	5967.7	5964.3
-20°	5338.4	5479.4	5595.7	5696.0	5780.4	5850.1	5903.5	5937.8	5961.0	5966.7	5970.0



REPORT NUMBER: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5251.6	5396.1	5520.7	5627.3	5715.0	5788.5	5850.1	5896.5	5929.7	5950.5	5962.2
-25°	5153.3	5304.4	5431.4	5541.3	5636.5	5715.0	5780.4	5835.2	5875.8	5910.2	5930.0
-27.5°	5038.1	5191.9	5328.9	5443.2	5541.3	5627.3	5696.0	5756.5	5802.3	5842.4	5869.0
-30°	4910.9	5066.7	5204.9	5328.9	5431.4	5520.7	5595.7	5658.6	5711.0	5754.6	5785.5
-32.5°	4758.1	4924.8	5066.7	5191.9	5304.4	5396.1	5479.4	5543.8	5600.5	5646.2	5681.4
-35°	4590.0	4758.1	4910.9	5038.1	5153.3	5251.6	5338.4	5408.7	5471.2	5518.7	5556.6
-37.5°	4395.3	4572.2	4726.7	4865.4	4981.6	5086.0	5174.3	5250.5	5317.8	5367.6	5409.1
-40°	4182.3	4360.7	4519.4	4664.6	4786.4	4898.7	4987.7	5068.1	5136.7	5190.4	5235.1
-42.5°	3952.7	4127.5	4289.0	4432.6	4563.8	4678.2	4774.2	4860.7	4931.0	4987.4	5034.2
-45°	3697.5	3873.8	4037.4	4179.5	4312.1	4426.3	4529.1	4621.5	4693.4	4753.8	4803.8
-47.5°	3414.8	3597.3	3757.4	3903.8	4036.6	4150.1	4253.4	4344.9	4419.8	4484.0	4537.1
-50°	3105.1	3290.3	3450.9	3601.5	3731.6	3847.8	3953.5	4043.7	4118.6	4182.7	4235.7
-52.5°	2766.0	2945.1	3113.2	3266.8	3396.1	3514.9	3622.7	3711.3	3787.6	3852.7	3906.5
-55°	2406.9	2579.4	2741.7	2888.6	3023.1	3146.5	3255.9	3344.3	3421.7	3487.7	3542.2
-57.5°	2051.2	2205.1	2351.1	2490.4	2619.4	2737.5	2841.8	2933.0	3012.8	3080.9	3136.9
-60°	1715.5	1836.8	1967.6	2091.0	2205.1	2309.5	2406.9	2493.7	2569.6	2634.2	2687.4
-62.5°	1415.1	1515.5	1619.1	1715.5	1804.6	1892.6	1978.1	2054.1	2120.6	2177.2	2223.8
-65°	1173.1	1250.1	1322.3	1389.5	1452.2	1525.5	1591.7	1650.6	1702.0	1745.7	1781.7
-67.5°	964.6	1022.0	1075.8	1125.8	1177.9	1228.5	1274.0	1314.5	1349.9	1380.0	1404.7
-70°	786.2	826.3	863.9	902.2	942.9	980.1	1013.6	1043.3	1069.3	1091.3	1109.5
-72.5°	637.7	664.3	691.0	721.3	749.3	774.8	797.8	818.2	836.0	851.2	863.6
-75°	515.0	535.8	557.0	576.7	594.9	611.4	626.3	639.5	651.1	660.9	668.9
-77.5°	404.8	421.4	436.9	451.3	464.6	476.7	487.5	497.2	505.6	512.8	518.6
-80°	289.4	303.3	316.3	328.3	339.4	349.5	358.6	366.7	373.7	379.7	384.6
-82.5°	180.3	189.8	198.6	206.8	214.3	221.1	227.3	232.8	237.5	241.6	244.9
-85°	89.3	93.6	97.7	101.4	104.8	108.0	110.8	113.3	115.4	117.3	118.8
-87.5°	26.8	27.6	28.3	29.0	29.6	30.2	30.7	31.2	31.6	31.9	32.2
-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: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-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°	32.4	32.6	32.7	32.7	32.7	32.6	32.4	32.2	31.9	31.6	31.2
85°	120.0	120.8	121.3	121.5	121.3	120.8	120.0	118.8	117.3	115.4	113.3
82.5°	247.5	249.3	250.4	250.8	250.4	249.3	247.5	244.9	241.6	237.5	232.8
80°	388.4	391.1	392.8	393.3	392.8	391.1	388.4	384.6	379.7	373.7	366.7
77.5°	523.2	526.5	528.4	529.1	528.4	526.5	523.2	518.6	512.8	505.6	497.2
75°	675.2	679.7	682.4	683.3	682.4	679.7	675.2	668.9	660.9	651.1	639.5
72.5°	873.3	880.2	884.4	885.8	884.4	880.2	873.3	863.6	851.2	836.0	818.2
70°	1123.6	1133.8	1139.9	1141.9	1139.9	1133.8	1123.6	1109.5	1091.3	1069.3	1043.3
67.5°	1424.0	1437.8	1446.1	1448.9	1446.1	1437.8	1424.0	1404.7	1380.0	1349.9	1314.5
65°	1809.8	1830.0	1842.1	1846.1	1842.1	1830.0	1809.8	1781.7	1745.7	1702.0	1650.6
62.5°	2260.2	2286.3	2302.0	2307.2	2302.0	2286.3	2260.2	2223.8	2177.2	2120.6	2054.1
60°	2729.0	2758.9	2776.8	2782.8	2776.8	2758.9	2729.0	2687.4	2634.2	2569.6	2493.7
57.5°	3180.8	3212.3	3231.2	3237.5	3231.2	3212.3	3180.8	3136.9	3080.9	3012.8	2933.0
55°	3584.8	3615.3	3633.8	3639.9	3633.8	3615.3	3584.8	3542.2	3487.7	3421.7	3344.3
52.5°	3948.6	3978.8	3997.0	4003.1	3997.0	3978.8	3948.6	3906.5	3852.7	3787.6	3711.3
50°	4277.2	4307.0	4325.0	4331.0	4325.0	4307.0	4277.2	4235.7	4182.7	4118.6	4043.7
47.5°	4578.8	4608.7	4626.8	4632.8	4626.8	4608.7	4578.8	4537.1	4484.0	4419.8	4344.9
45°	4843.1	4871.4	4888.4	4894.1	4888.4	4871.4	4843.1	4803.8	4753.8	4693.4	4621.5
42.5°	5071.0	5097.5	5113.5	5118.8	5113.5	5097.5	5071.0	5034.2	4987.4	4931.0	4860.7
40°	5270.3	5295.6	5311.0	5316.1	5311.0	5295.6	5270.3	5235.1	5190.4	5136.7	5068.1
37.5°	5441.9	5465.5	5479.8	5484.6	5479.8	5465.5	5441.9	5409.1	5367.6	5317.8	5250.5
35°	5586.5	5608.2	5621.3	5625.7	5621.3	5608.2	5586.5	5556.6	5518.7	5471.2	5408.7
32.5°	5709.3	5729.5	5741.8	5745.9	5741.8	5729.5	5709.3	5681.4	5646.2	5600.5	5543.8
30°	5810.2	5828.1	5839.0	5842.6	5839.0	5828.1	5810.2	5785.5	5754.6	5711.0	5658.6
27.5°	5890.3	5905.8	5915.2	5918.4	5915.2	5905.8	5890.3	5869.0	5842.4	5802.3	5756.5
25°	5943.0	5952.4	5958.2	5960.2	5958.2	5952.4	5943.0	5930.0	5910.2	5875.8	5835.2
22.5°	5965.8	5968.4	5970.1	5970.6	5970.1	5968.4	5965.8	5962.2	5950.5	5929.7	5896.5
20°	5967.5	5965.6	5964.5	5964.1	5964.5	5965.6	5967.5	5970.0	5966.7	5961.0	5937.8
17.5°	5956.7	5950.8	5947.1	5945.8	5947.1	5950.8	5956.7	5964.3	5967.7	5969.0	5962.1
15°	5938.6	5929.8	5924.2	5922.3	5924.2	5929.8	5938.6	5949.2	5960.0	5966.9	5969.0
12.5°	5918.3	5908.5	5902.3	5900.1	5902.3	5908.5	5918.3	5931.3	5946.6	5960.0	5967.7
10°	5900.0	5891.7	5886.3	5884.4	5886.3	5891.7	5900.0	5914.4	5931.3	5949.2	5964.3
7.5°	5888.1	5880.7	5876.7	5875.2	5876.7	5880.7	5888.1	5900.0	5918.3	5938.6	5956.7
5°	5880.7	5873.4	5867.2	5864.8	5867.2	5873.4	5880.7	5891.7	5908.5	5929.8	5950.8
2.5°	5876.7	5867.2	5857.9	5853.0	5857.9	5867.2	5876.7	5886.3	5902.3	5924.2	5947.1
0°	5875.2	5864.8	5853.0	5854.3	5853.0	5864.8	5875.2	5884.4	5900.1	5922.3	5945.8
-2.5°	5876.7	5867.2	5857.9	5853.0	5857.9	5867.2	5876.7	5886.3	5902.3	5924.2	5947.1
-5°	5880.7	5873.4	5867.2	5864.8	5867.2	5873.4	5880.7	5891.7	5908.5	5929.8	5950.8
-7.5°	5888.1	5880.7	5876.7	5875.2	5876.7	5880.7	5888.1	5900.0	5918.3	5938.6	5956.7
-10°	5900.0	5891.7	5886.3	5884.4	5886.3	5891.7	5900.0	5914.4	5931.3	5949.2	5964.3
-12.5°	5918.3	5908.5	5902.3	5900.1	5902.3	5908.5	5918.3	5931.3	5946.6	5960.0	5967.7
-15°	5938.6	5929.8	5924.2	5922.3	5924.2	5929.8	5938.6	5949.2	5960.0	5966.9	5969.0
-17.5°	5956.7	5950.8	5947.1	5945.8	5947.1	5950.8	5956.7	5964.3	5967.7	5969.0	5962.1
-20°	5967.5	5965.6	5964.5	5964.1	5964.5	5965.6	5967.5	5970.0	5966.7	5961.0	5937.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5965.8	5968.4	5970.1	5970.6	5970.1	5968.4	5965.8	5962.2	5950.5	5929.7	5896.5
-25°	5943.0	5952.4	5958.2	5960.2	5958.2	5952.4	5943.0	5930.0	5910.2	5875.8	5835.2
-27.5°	5890.3	5905.8	5915.2	5918.4	5915.2	5905.8	5890.3	5869.0	5842.4	5802.3	5756.5
-30°	5810.2	5828.1	5839.0	5842.6	5839.0	5828.1	5810.2	5785.5	5754.6	5711.0	5658.6
-32.5°	5709.3	5729.5	5741.8	5745.9	5741.8	5729.5	5709.3	5681.4	5646.2	5600.5	5543.8
-35°	5586.5	5608.2	5621.3	5625.7	5621.3	5608.2	5586.5	5556.6	5518.7	5471.2	5408.7
-37.5°	5441.9	5465.5	5479.8	5484.6	5479.8	5465.5	5441.9	5409.1	5367.6	5317.8	5250.5
-40°	5270.3	5295.6	5311.0	5316.1	5311.0	5295.6	5270.3	5235.1	5190.4	5136.7	5068.1
-42.5°	5071.0	5097.5	5113.5	5118.8	5113.5	5097.5	5071.0	5034.2	4987.4	4931.0	4860.7
-45°	4843.1	4871.4	4888.4	4894.1	4888.4	4871.4	4843.1	4803.8	4753.8	4693.4	4621.5
-47.5°	4578.8	4608.7	4626.8	4632.8	4626.8	4608.7	4578.8	4537.1	4484.0	4419.8	4344.9
-50°	4277.2	4307.0	4325.0	4331.0	4325.0	4307.0	4277.2	4235.7	4182.7	4118.6	4043.7
-52.5°	3948.6	3978.8	3997.0	4003.1	3997.0	3978.8	3948.6	3906.5	3852.7	3787.6	3711.3
-55°	3584.8	3615.3	3633.8	3639.9	3633.8	3615.3	3584.8	3542.2	3487.7	3421.7	3344.3
-57.5°	3180.8	3212.3	3231.2	3237.5	3231.2	3212.3	3180.8	3136.9	3080.9	3012.8	2933.0
-60°	2729.0	2758.9	2776.8	2782.8	2776.8	2758.9	2729.0	2687.4	2634.2	2569.6	2493.7
-62.5°	2260.2	2286.3	2302.0	2307.2	2302.0	2286.3	2260.2	2223.8	2177.2	2120.6	2054.1
-65°	1809.8	1830.0	1842.1	1846.1	1842.1	1830.0	1809.8	1781.7	1745.7	1702.0	1650.6
-67.5°	1424.0	1437.8	1446.1	1448.9	1446.1	1437.8	1424.0	1404.7	1380.0	1349.9	1314.5
-70°	1123.6	1133.8	1139.9	1141.9	1139.9	1133.8	1123.6	1109.5	1091.3	1069.3	1043.3
-72.5°	873.3	880.2	884.4	885.8	884.4	880.2	873.3	863.6	851.2	836.0	818.2
-75°	675.2	679.7	682.4	683.3	682.4	679.7	675.2	668.9	660.9	651.1	639.5
-77.5°	523.2	526.5	528.4	529.1	528.4	526.5	523.2	518.6	512.8	505.6	497.2
-80°	388.4	391.1	392.8	393.3	392.8	391.1	388.4	384.6	379.7	373.7	366.7
-82.5°	247.5	249.3	250.4	250.8	250.4	249.3	247.5	244.9	241.6	237.5	232.8
-85°	120.0	120.8	121.3	121.5	121.3	120.8	120.0	118.8	117.3	115.4	113.3
-87.5°	32.4	32.6	32.7	32.7	32.7	32.6	32.4	32.2	31.9	31.6	31.2
-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: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-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°	30.7	30.2	29.6	29.0	28.3	27.6	26.8	25.9	25.0	24.1	23.1
85°	110.8	108.0	104.8	101.4	97.7	93.6	89.3	84.7	79.9	74.8	69.4
82.5°	227.3	221.1	214.3	206.8	198.6	189.8	180.3	170.3	159.7	148.5	136.8
80°	358.6	349.5	339.4	328.3	316.3	303.3	289.4	274.7	259.0	243.3	227.7
77.5°	487.5	476.7	464.6	451.3	436.9	421.4	404.8	386.9	367.3	346.7	325.1
75°	626.3	611.4	594.9	576.7	557.0	535.8	515.0	493.7	471.3	447.7	422.9
72.5°	797.8	774.8	749.3	721.3	691.0	664.3	637.7	609.4	579.5	548.2	517.0
70°	1013.6	980.1	942.9	902.2	863.9	826.3	786.2	743.6	698.6	659.0	621.3
67.5°	1274.0	1228.5	1177.9	1125.8	1075.8	1022.0	964.6	903.6	849.1	795.7	740.0
65°	1591.7	1525.5	1452.2	1389.5	1322.3	1250.1	1173.1	1099.9	1028.1	952.9	876.7
62.5°	1978.1	1892.6	1804.6	1715.5	1619.1	1515.5	1415.1	1324.8	1229.7	1132.0	1045.3
60°	2406.9	2309.5	2205.1	2091.0	1967.6	1836.8	1715.5	1587.2	1452.2	1342.3	1228.5
57.5°	2841.8	2737.5	2619.4	2490.4	2351.1	2205.1	2051.2	1888.7	1735.7	1581.9	1427.9
55°	3255.9	3146.5	3023.1	2888.6	2741.7	2579.4	2406.9	2227.5	2042.5	1849.2	1675.7
52.5°	3622.7	3514.9	3396.1	3266.8	3113.2	2945.1	2766.0	2569.6	2363.7	2153.8	1937.7
50°	3953.5	3847.8	3731.6	3601.5	3450.9	3290.3	3105.1	2903.0	2687.4	2457.2	2221.3
47.5°	4253.4	4150.1	4036.6	3903.8	3757.4	3597.3	3414.8	3221.2	2995.0	2758.9	2504.3
45°	4529.1	4426.3	4312.1	4179.5	4037.4	3873.8	3697.5	3498.9	3285.4	3041.4	2782.8
42.5°	4774.2	4678.2	4563.8	4432.6	4289.0	4127.5	3952.7	3755.8	3541.3	3306.3	3041.4
40°	4987.7	4898.7	4786.4	4664.6	4519.4	4360.7	4182.3	3992.4	3775.3	3541.3	3285.4
37.5°	5174.3	5086.0	4981.6	4865.4	4726.7	4572.2	4395.3	4200.7	3992.4	3755.8	3498.9
35°	5338.4	5251.6	5153.3	5038.1	4910.9	4758.1	4590.0	4395.3	4182.3	3952.7	3697.5
32.5°	5479.4	5396.1	5304.4	5191.9	5066.7	4924.8	4758.1	4572.2	4360.7	4127.5	3873.8
30°	5595.7	5520.7	5431.4	5328.9	5204.9	5066.7	4910.9	4726.7	4519.4	4289.0	4037.4
27.5°	5696.0	5627.3	5541.3	5443.2	5328.9	5191.9	5038.1	4865.4	4664.6	4432.6	4179.5
25°	5780.4	5715.0	5636.5	5541.3	5431.4	5304.4	5153.3	4981.6	4786.4	4563.8	4312.1
22.5°	5850.1	5788.5	5715.0	5627.3	5520.7	5396.1	5251.6	5086.0	4898.7	4678.2	4426.3
20°	5903.5	5850.1	5780.4	5696.0	5595.7	5479.4	5338.4	5174.3	4987.7	4774.2	4529.1
17.5°	5937.8	5896.5	5835.2	5756.5	5658.6	5543.8	5408.7	5250.5	5068.1	4860.7	4621.5
15°	5961.0	5929.7	5875.8	5802.3	5711.0	5600.5	5471.2	5317.8	5136.7	4931.0	4693.4
12.5°	5966.7	5950.5	5910.2	5842.4	5754.6	5646.2	5518.7	5367.6	5190.4	4987.4	4753.8
10°	5970.0	5962.2	5930.0	5869.0	5785.5	5681.4	5556.6	5409.1	5235.1	5034.2	4803.8
7.5°	5967.5	5965.8	5943.0	5890.3	5810.2	5709.3	5586.5	5441.9	5270.3	5071.0	4843.1
5°	5965.6	5968.4	5952.4	5905.8	5828.1	5729.5	5608.2	5465.5	5295.6	5097.5	4871.4
2.5°	5964.5	5970.1	5958.2	5915.2	5839.0	5741.8	5621.3	5479.8	5311.0	5113.5	4888.4
0°	5964.1	5970.6	5960.2	5918.4	5842.6	5745.9	5625.7	5484.6	5316.1	5118.8	4894.1
-2.5°	5964.5	5970.1	5958.2	5915.2	5839.0	5741.8	5621.3	5479.8	5311.0	5113.5	4888.4
-5°	5965.6	5968.4	5952.4	5905.8	5828.1	5729.5	5608.2	5465.5	5295.6	5097.5	4871.4
-7.5°	5967.5	5965.8	5943.0	5890.3	5810.2	5709.3	5586.5	5441.9	5270.3	5071.0	4843.1
-10°	5970.0	5962.2	5930.0	5869.0	5785.5	5681.4	5556.6	5409.1	5235.1	5034.2	4803.8
-12.5°	5966.7	5950.5	5910.2	5842.4	5754.6	5646.2	5518.7	5367.6	5190.4	4987.4	4753.8
-15°	5961.0	5929.7	5875.8	5802.3	5711.0	5600.5	5471.2	5317.8	5136.7	4931.0	4693.4
-17.5°	5937.8	5896.5	5835.2	5756.5	5658.6	5543.8	5408.7	5250.5	5068.1	4860.7	4621.5
-20°	5903.5	5850.1	5780.4	5696.0	5595.7	5479.4	5338.4	5174.3	4987.7	4774.2	4529.1



REPORT NUMBER: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5850.1	5788.5	5715.0	5627.3	5520.7	5396.1	5251.6	5086.0	4898.7	4678.2	4426.3
-25°	5780.4	5715.0	5636.5	5541.3	5431.4	5304.4	5153.3	4981.6	4786.4	4563.8	4312.1
-27.5°	5696.0	5627.3	5541.3	5443.2	5328.9	5191.9	5038.1	4865.4	4664.6	4432.6	4179.5
-30°	5595.7	5520.7	5431.4	5328.9	5204.9	5066.7	4910.9	4726.7	4519.4	4289.0	4037.4
-32.5°	5479.4	5396.1	5304.4	5191.9	5066.7	4924.8	4758.1	4572.2	4360.7	4127.5	3873.8
-35°	5338.4	5251.6	5153.3	5038.1	4910.9	4758.1	4590.0	4395.3	4182.3	3952.7	3697.5
-37.5°	5174.3	5086.0	4981.6	4865.4	4726.7	4572.2	4395.3	4200.7	3992.4	3755.8	3498.9
-40°	4987.7	4898.7	4786.4	4664.6	4519.4	4360.7	4182.3	3992.4	3775.3	3541.3	3285.4
-42.5°	4774.2	4678.2	4563.8	4432.6	4289.0	4127.5	3952.7	3755.8	3541.3	3306.3	3041.4
-45°	4529.1	4426.3	4312.1	4179.5	4037.4	3873.8	3697.5	3498.9	3285.4	3041.4	2782.8
-47.5°	4253.4	4150.1	4036.6	3903.8	3757.4	3597.3	3414.8	3221.2	2995.0	2758.9	2504.3
-50°	3953.5	3847.8	3731.6	3601.5	3450.9	3290.3	3105.1	2903.0	2687.4	2457.2	2221.3
-52.5°	3622.7	3514.9	3396.1	3266.8	3113.2	2945.1	2766.0	2569.6	2363.7	2153.8	1937.7
-55°	3255.9	3146.5	3023.1	2888.6	2741.7	2579.4	2406.9	2227.5	2042.5	1849.2	1675.7
-57.5°	2841.8	2737.5	2619.4	2490.4	2351.1	2205.1	2051.2	1888.7	1735.7	1581.9	1427.9
-60°	2406.9	2309.5	2205.1	2091.0	1967.6	1836.8	1715.5	1587.2	1452.2	1342.3	1228.5
-62.5°	1978.1	1892.6	1804.6	1715.5	1619.1	1515.5	1415.1	1324.8	1229.7	1132.0	1045.3
-65°	1591.7	1525.5	1452.2	1389.5	1322.3	1250.1	1173.1	1099.9	1028.1	952.9	876.7
-67.5°	1274.0	1228.5	1177.9	1125.8	1075.8	1022.0	964.6	903.6	849.1	795.7	740.0
-70°	1013.6	980.1	942.9	902.2	863.9	826.3	786.2	743.6	698.6	659.0	621.3
-72.5°	797.8	774.8	749.3	721.3	691.0	664.3	637.7	609.4	579.5	548.2	517.0
-75°	626.3	611.4	594.9	576.7	557.0	535.8	515.0	493.7	471.3	447.7	422.9
-77.5°	487.5	476.7	464.6	451.3	436.9	421.4	404.8	386.9	367.3	346.7	325.1
-80°	358.6	349.5	339.4	328.3	316.3	303.3	289.4	274.7	259.0	243.3	227.7
-82.5°	227.3	221.1	214.3	206.8	198.6	189.8	180.3	170.3	159.7	148.5	136.8
-85°	110.8	108.0	104.8	101.4	97.7	93.6	89.3	84.7	79.9	74.8	69.4
-87.5°	30.7	30.2	29.6	29.0	28.3	27.6	26.8	25.9	25.0	24.1	23.1
-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: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3D-727-U-LAM-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°	22.1	21.0	19.9	18.8	17.6	16.3	15.1	13.8	12.5	11.2	9.8
85°	63.8	58.0	51.9	45.7	39.2	32.7	30.2	27.6	25.0	22.3	19.6
82.5°	124.6	114.9	105.8	96.4	86.7	76.8	66.6	56.2	45.6	34.8	29.4
80°	211.3	194.4	176.7	158.5	139.8	120.8	107.3	93.4	79.2	64.8	50.2
77.5°	302.6	279.1	254.9	231.7	208.3	184.2	159.6	134.3	112.7	94.7	76.5
75°	397.1	369.2	340.0	309.9	278.9	247.5	217.9	187.7	156.9	125.6	102.5
72.5°	486.8	455.5	423.1	389.4	353.3	316.2	278.2	240.5	204.7	168.2	131.2
70°	582.1	541.4	502.9	464.6	425.3	384.6	341.2	297.0	252.0	210.3	168.2
67.5°	682.3	636.4	589.0	540.2	494.6	449.3	403.0	353.8	303.3	252.0	204.7
65°	812.1	745.1	677.6	623.4	567.6	512.8	461.4	409.0	353.8	297.0	240.5
62.5°	955.1	866.8	790.7	712.3	644.1	581.4	518.8	461.4	403.0	341.2	278.2
60°	1115.5	1013.6	908.4	818.2	730.6	651.1	581.4	512.8	449.3	384.6	316.2
57.5°	1299.6	1167.0	1048.9	931.9	827.4	730.6	644.1	567.6	494.6	425.3	353.3
55°	1496.4	1342.6	1195.5	1060.7	931.9	818.2	712.3	623.4	540.2	464.6	389.4
52.5°	1732.5	1534.0	1357.1	1195.5	1048.9	908.4	790.7	677.6	589.0	502.9	423.1
50°	1982.3	1751.5	1534.0	1342.6	1167.0	1013.6	866.8	745.1	636.4	541.4	455.5
47.5°	2243.8	1982.3	1732.5	1496.4	1299.6	1115.5	955.1	812.1	682.3	582.1	486.8
45°	2504.3	2221.3	1937.7	1675.7	1427.9	1228.5	1045.3	876.7	740.0	621.3	517.0
42.5°	2758.9	2457.2	2153.8	1849.2	1581.9	1342.3	1132.0	952.9	795.7	659.0	548.2
40°	2995.0	2687.4	2363.7	2042.5	1735.7	1452.2	1229.7	1028.1	849.1	698.6	579.5
37.5°	3221.2	2903.0	2569.6	2227.5	1888.7	1587.2	1324.8	1099.9	903.6	743.6	609.4
35°	3414.8	3105.1	2766.0	2406.9	2051.2	1715.5	1415.1	1173.1	964.6	786.2	637.7
32.5°	3597.3	3290.3	2945.1	2579.4	2205.1	1836.8	1515.5	1250.1	1022.0	826.3	664.3
30°	3757.4	3450.9	3113.2	2741.7	2351.1	1967.6	1619.1	1322.3	1075.8	863.9	691.0
27.5°	3903.8	3601.5	3266.8	2888.6	2490.4	2091.0	1715.5	1389.5	1125.8	902.2	721.3
25°	4036.6	3731.6	3396.1	3023.1	2619.4	2205.1	1804.6	1452.2	1177.9	942.9	749.3
22.5°	4150.1	3847.8	3514.9	3146.5	2737.5	2309.5	1892.6	1525.5	1228.5	980.1	774.8
20°	4253.4	3953.5	3622.7	3255.9	2841.8	2406.9	1978.1	1591.7	1274.0	1013.6	797.8
17.5°	4344.9	4043.7	3711.3	3344.3	2933.0	2493.7	2054.1	1650.6	1314.5	1043.3	818.2
15°	4419.8	4118.6	3787.6	3421.7	3012.8	2569.6	2120.6	1702.0	1349.9	1069.3	836.0
12.5°	4484.0	4182.7	3852.7	3487.7	3080.9	2634.2	2177.2	1745.7	1380.0	1091.3	851.2
10°	4537.1	4235.7	3906.5	3542.2	3136.9	2687.4	2223.8	1781.7	1404.7	1109.5	863.6
7.5°	4578.8	4277.2	3948.6	3584.8	3180.8	2729.0	2260.2	1809.8	1424.0	1123.6	873.3
5°	4608.7	4307.0	3978.8	3615.3	3212.3	2758.9	2286.3	1830.0	1437.8	1133.8	880.2
2.5°	4626.8	4325.0	3997.0	3633.8	3231.2	2776.8	2302.0	1842.1	1446.1	1139.9	884.4
0°	4632.8	4331.0	4003.1	3639.9	3237.5	2782.8	2307.2	1846.1	1448.9	1141.9	885.8
-2.5°	4626.8	4325.0	3997.0	3633.8	3231.2	2776.8	2302.0	1842.1	1446.1	1139.9	884.4
-5°	4608.7	4307.0	3978.8	3615.3	3212.3	2758.9	2286.3	1830.0	1437.8	1133.8	880.2
-7.5°	4578.8	4277.2	3948.6	3584.8	3180.8	2729.0	2260.2	1809.8	1424.0	1123.6	873.3
-10°	4537.1	4235.7	3906.5	3542.2	3136.9	2687.4	2223.8	1781.7	1404.7	1109.5	863.6
-12.5°	4484.0	4182.7	3852.7	3487.7	3080.9	2634.2	2177.2	1745.7	1380.0	1091.3	851.2
-15°	4419.8	4118.6	3787.6	3421.7	3012.8	2569.6	2120.6	1702.0	1349.9	1069.3	836.0
-17.5°	4344.9	4043.7	3711.3	3344.3	2933.0	2493.7	2054.1	1650.6	1314.5	1043.3	818.2
-20°	4253.4	3953.5	3622.7	3255.9	2841.8	2406.9	1978.1	1591.7	1274.0	1013.6	797.8

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REPORT NUMBER: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4150.1	3847.8	3514.9	3146.5	2737.5	2309.5	1892.6	1525.5	1228.5	980.1	774.8
-25°	4036.6	3731.6	3396.1	3023.1	2619.4	2205.1	1804.6	1452.2	1177.9	942.9	749.3
-27.5°	3903.8	3601.5	3266.8	2888.6	2490.4	2091.0	1715.5	1389.5	1125.8	902.2	721.3
-30°	3757.4	3450.9	3113.2	2741.7	2351.1	1967.6	1619.1	1322.3	1075.8	863.9	691.0
-32.5°	3597.3	3290.3	2945.1	2579.4	2205.1	1836.8	1515.5	1250.1	1022.0	826.3	664.3
-35°	3414.8	3105.1	2766.0	2406.9	2051.2	1715.5	1415.1	1173.1	964.6	786.2	637.7
-37.5°	3221.2	2903.0	2569.6	2227.5	1888.7	1587.2	1324.8	1099.9	903.6	743.6	609.4
-40°	2995.0	2687.4	2363.7	2042.5	1735.7	1452.2	1229.7	1028.1	849.1	698.6	579.5
-42.5°	2758.9	2457.2	2153.8	1849.2	1581.9	1342.3	1132.0	952.9	795.7	659.0	548.2
-45°	2504.3	2221.3	1937.7	1675.7	1427.9	1228.5	1045.3	876.7	740.0	621.3	517.0
-47.5°	2243.8	1982.3	1732.5	1496.4	1299.6	1115.5	955.1	812.1	682.3	582.1	486.8
-50°	1982.3	1751.5	1534.0	1342.6	1167.0	1013.6	866.8	745.1	636.4	541.4	455.5
-52.5°	1732.5	1534.0	1357.1	1195.5	1048.9	908.4	790.7	677.6	589.0	502.9	423.1
-55°	1496.4	1342.6	1195.5	1060.7	931.9	818.2	712.3	623.4	540.2	464.6	389.4
-57.5°	1299.6	1167.0	1048.9	931.9	827.4	730.6	644.1	567.6	494.6	425.3	353.3
-60°	1115.5	1013.6	908.4	818.2	730.6	651.1	581.4	512.8	449.3	384.6	316.2
-62.5°	955.1	866.8	790.7	712.3	644.1	581.4	518.8	461.4	403.0	341.2	278.2
-65°	812.1	745.1	677.6	623.4	567.6	512.8	461.4	409.0	353.8	297.0	240.5
-67.5°	682.3	636.4	589.0	540.2	494.6	449.3	403.0	353.8	303.3	252.0	204.7
-70°	582.1	541.4	502.9	464.6	425.3	384.6	341.2	297.0	252.0	210.3	168.2
-72.5°	486.8	455.5	423.1	389.4	353.3	316.2	278.2	240.5	204.7	168.2	131.2
-75°	397.1	369.2	340.0	309.9	278.9	247.5	217.9	187.7	156.9	125.6	102.5
-77.5°	302.6	279.1	254.9	231.7	208.3	184.2	159.6	134.3	112.7	94.7	76.5
-80°	211.3	194.4	176.7	158.5	139.8	120.8	107.3	93.4	79.2	64.8	50.2
-82.5°	124.6	114.9	105.8	96.4	86.7	76.8	66.6	56.2	45.6	34.8	29.4
-85°	63.8	58.0	51.9	45.7	39.2	32.7	30.2	27.6	25.0	22.3	19.6
-87.5°	22.1	21.0	19.9	18.8	17.6	16.3	15.1	13.8	12.5	11.2	9.8
-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: P645430 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3D-727-U-LAM-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°	8.5	7.1	5.7	4.3	2.8	1.4	0.0
85°	16.9	14.1	11.3	8.5	5.7	2.8	0.0
82.5°	25.3	21.2	17.0	12.8	8.5	4.3	0.0
80°	35.4	28.2	22.6	17.0	11.3	5.7	0.0
77.5°	58.0	39.3	28.2	21.2	14.1	7.1	0.0
75°	80.3	58.0	35.4	25.3	16.9	8.5	0.0
72.5°	102.5	76.5	50.2	29.4	19.6	9.8	0.0
70°	125.6	94.7	64.8	34.8	22.3	11.2	0.0
67.5°	156.9	112.7	79.2	45.6	25.0	12.5	0.0
65°	187.7	134.3	93.4	56.2	27.6	13.8	0.0
62.5°	217.9	159.6	107.3	66.6	30.2	15.1	0.0
60°	247.5	184.2	120.8	76.8	32.7	16.3	0.0
57.5°	278.9	208.3	139.8	86.7	39.2	17.6	0.0
55°	309.9	231.7	158.5	96.4	45.7	18.8	0.0
52.5°	340.0	254.9	176.7	105.8	51.9	19.9	0.0
50°	369.2	279.1	194.4	114.9	58.0	21.0	0.0
47.5°	397.1	302.6	211.3	124.6	63.8	22.1	0.0
45°	422.9	325.1	227.7	136.8	69.4	23.1	0.0
42.5°	447.7	346.7	243.3	148.5	74.8	24.1	0.0
40°	471.3	367.3	259.0	159.7	79.9	25.0	0.0
37.5°	493.7	386.9	274.7	170.3	84.7	25.9	0.0
35°	515.0	404.8	289.4	180.3	89.3	26.8	0.0
32.5°	535.8	421.4	303.3	189.8	93.6	27.6	0.0
30°	557.0	436.9	316.3	198.6	97.7	28.3	0.0
27.5°	576.7	451.3	328.3	206.8	101.4	29.0	0.0
25°	594.9	464.6	339.4	214.3	104.8	29.6	0.0
22.5°	611.4	476.7	349.5	221.1	108.0	30.2	0.0
20°	626.3	487.5	358.6	227.3	110.8	30.7	0.0
17.5°	639.5	497.2	366.7	232.8	113.3	31.2	0.0
15°	651.1	505.6	373.7	237.5	115.4	31.6	0.0
12.5°	660.9	512.8	379.7	241.6	117.3	31.9	0.0
10°	668.9	518.6	384.6	244.9	118.8	32.2	0.0
7.5°	675.2	523.2	388.4	247.5	120.0	32.4	0.0
5°	679.7	526.5	391.1	249.3	120.8	32.6	0.0
2.5°	682.4	528.4	392.8	250.4	121.3	32.7	0.0
0°	683.3	529.1	393.3	250.8	121.5	32.7	0.0
-2.5°	682.4	528.4	392.8	250.4	121.3	32.7	0.0
-5°	679.7	526.5	391.1	249.3	120.8	32.6	0.0
-7.5°	675.2	523.2	388.4	247.5	120.0	32.4	0.0
-10°	668.9	518.6	384.6	244.9	118.8	32.2	0.0
-12.5°	660.9	512.8	379.7	241.6	117.3	31.9	0.0
-15°	651.1	505.6	373.7	237.5	115.4	31.6	0.0
-17.5°	639.5	497.2	366.7	232.8	113.3	31.2	0.0
-20°	626.3	487.5	358.6	227.3	110.8	30.7	0.0

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CATALOG NUMBER: GFLD-SA3D-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	611.4	476.7	349.5	221.1	108.0	30.2	0.0
-25°	594.9	464.6	339.4	214.3	104.8	29.6	0.0
-27.5°	576.7	451.3	328.3	206.8	101.4	29.0	0.0
-30°	557.0	436.9	316.3	198.6	97.7	28.3	0.0
-32.5°	535.8	421.4	303.3	189.8	93.6	27.6	0.0
-35°	515.0	404.8	289.4	180.3	89.3	26.8	0.0
-37.5°	493.7	386.9	274.7	170.3	84.7	25.9	0.0
-40°	471.3	367.3	259.0	159.7	79.9	25.0	0.0
-42.5°	447.7	346.7	243.3	148.5	74.8	24.1	0.0
-45°	422.9	325.1	227.7	136.8	69.4	23.1	0.0
-47.5°	397.1	302.6	211.3	124.6	63.8	22.1	0.0
-50°	369.2	279.1	194.4	114.9	58.0	21.0	0.0
-52.5°	340.0	254.9	176.7	105.8	51.9	19.9	0.0
-55°	309.9	231.7	158.5	96.4	45.7	18.8	0.0
-57.5°	278.9	208.3	139.8	86.7	39.2	17.6	0.0
-60°	247.5	184.2	120.8	76.8	32.7	16.3	0.0
-62.5°	217.9	159.6	107.3	66.6	30.2	15.1	0.0
-65°	187.7	134.3	93.4	56.2	27.6	13.8	0.0
-67.5°	156.9	112.7	79.2	45.6	25.0	12.5	0.0
-70°	125.6	94.7	64.8	34.8	22.3	11.2	0.0
-72.5°	102.5	76.5	50.2	29.4	19.6	9.8	0.0
-75°	80.3	58.0	35.4	25.3	16.9	8.5	0.0
-77.5°	58.0	39.3	28.2	21.2	14.1	7.1	0.0
-80°	35.4	28.2	22.6	17.0	11.3	5.7	0.0
-82.5°	25.3	21.2	17.0	12.8	8.5	4.3	0.0
-85°	16.9	14.1	11.3	8.5	5.7	2.8	0.0
-87.5°	8.5	7.1	5.7	4.3	2.8	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)