

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: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-722-U-LAM-XX**

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P645440 (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: 2/28/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3E-722-U-LAM-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

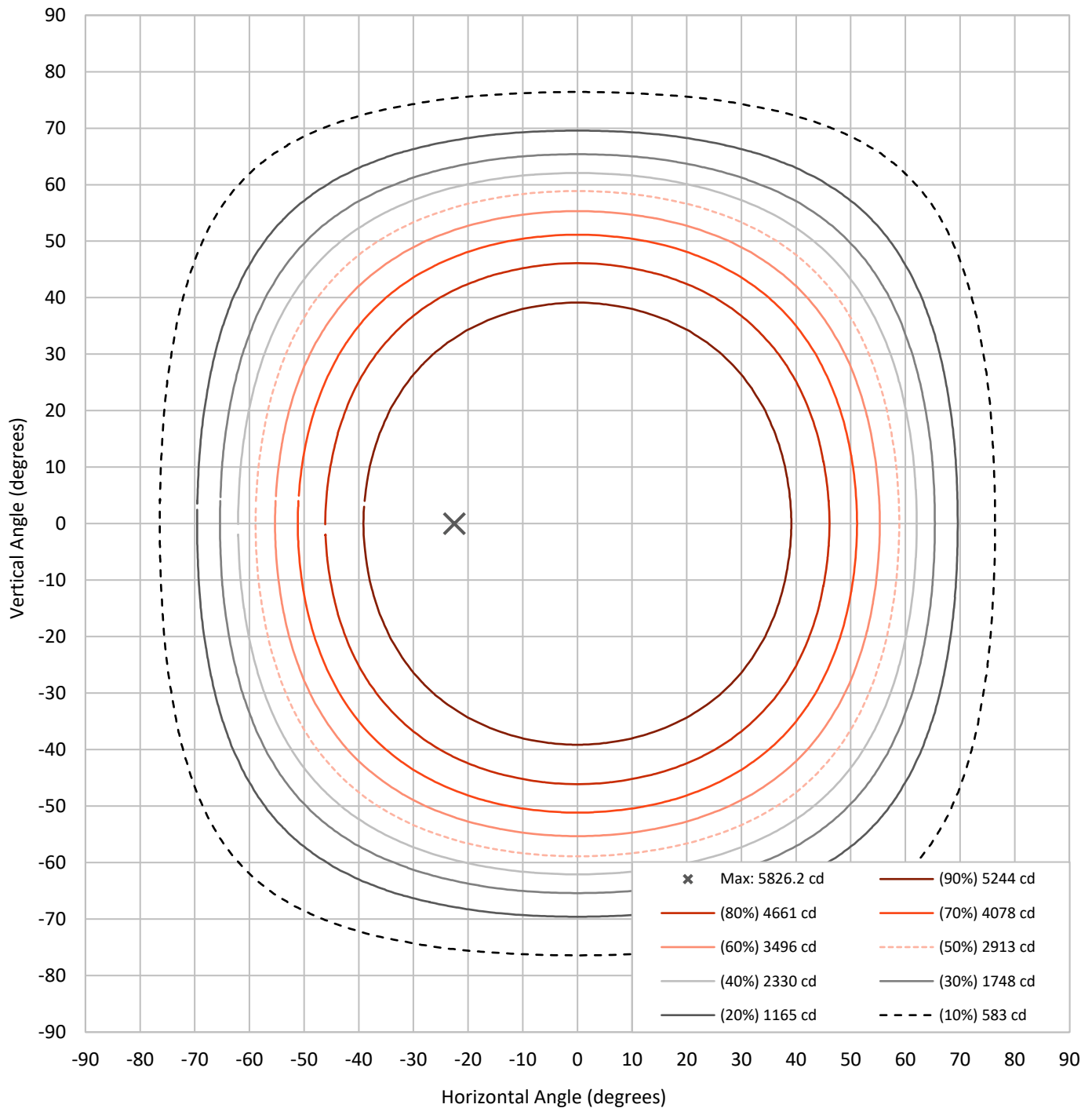
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17822.7 lumens	Max Intensity:	5826.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	96.2 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:	14832.4 lumens	Field Lumens:	17472.2 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
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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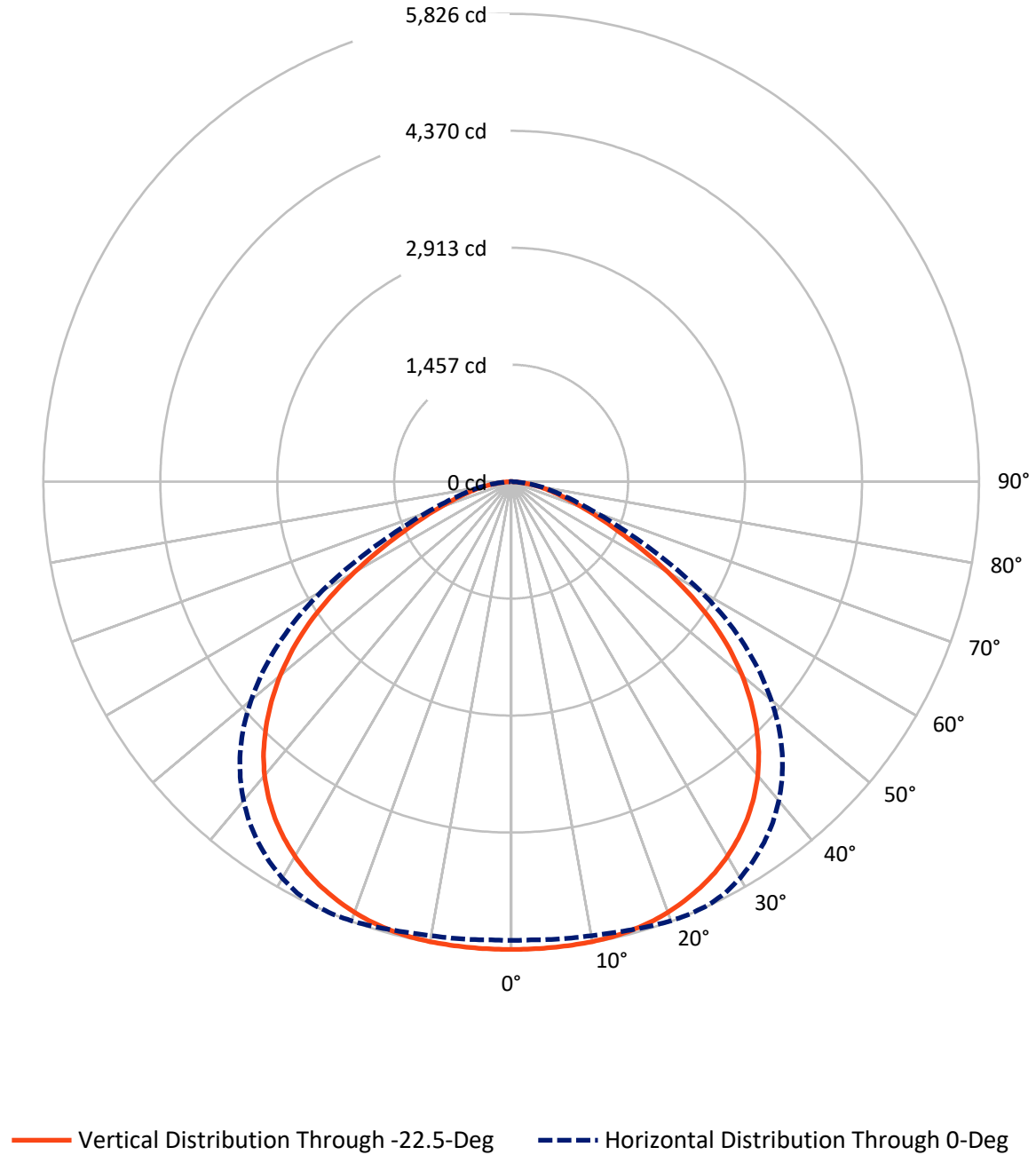
### Iso-Candela Plot





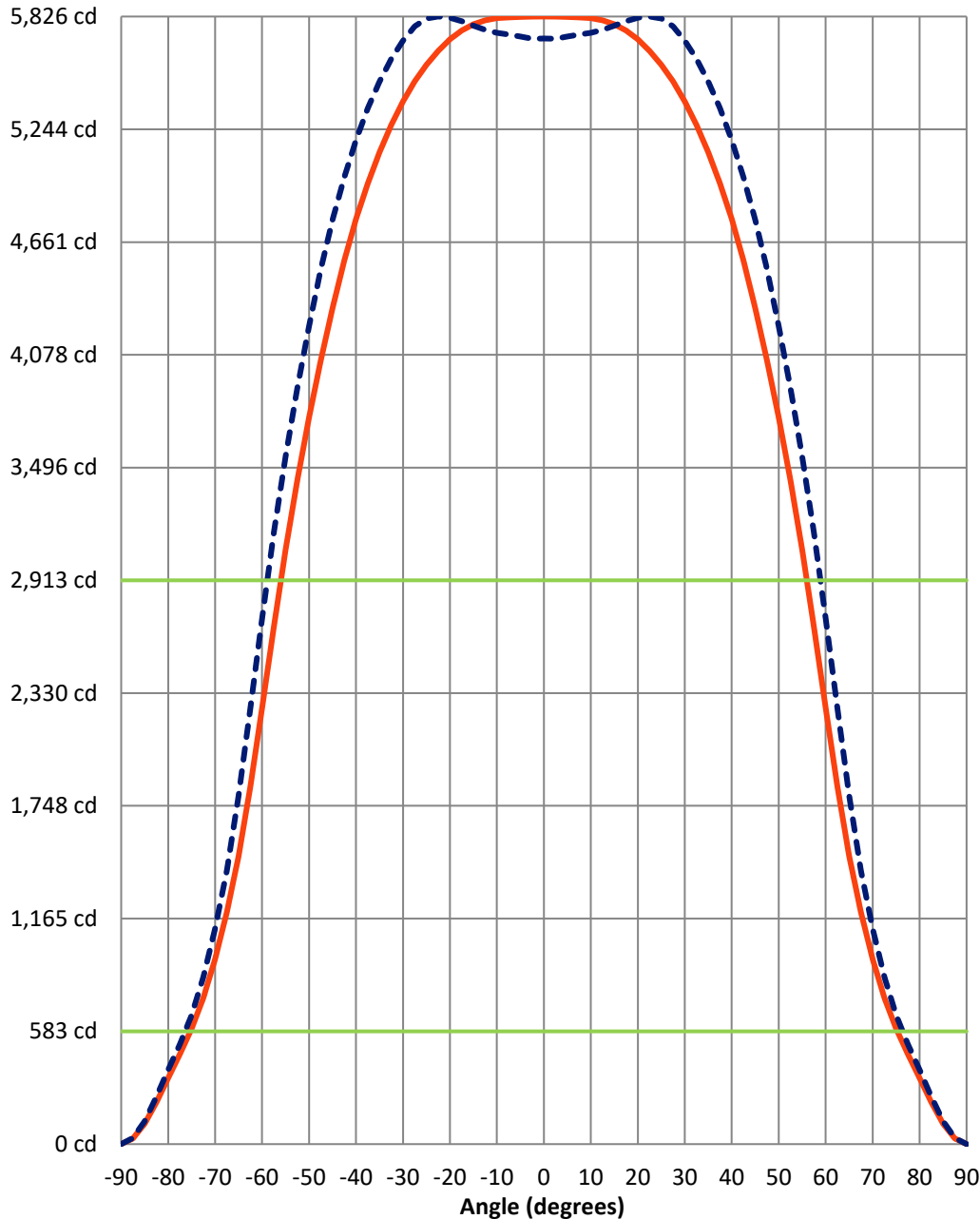
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 14832.4  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 17472.2  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 350.5  
 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	4.2	5.5	6.9	8.3	9.6	10.9	12.2	13.5
85°	0.0	2.8	5.6	8.3	11.1	13.8	16.5	19.2	21.8	24.4	26.9
82.5°	0.0	4.2	8.3	12.5	16.6	20.7	24.7	28.7	33.9	44.5	54.9
80°	0.0	5.5	11.1	16.6	22.0	27.5	34.5	49.0	63.3	77.3	91.2
77.5°	0.0	6.9	13.8	20.7	27.5	38.3	56.6	74.6	92.4	110.0	131.1
75°	0.0	8.3	16.5	24.7	34.5	56.6	78.4	100.0	122.6	153.1	183.2
72.5°	0.0	9.6	19.2	28.7	49.0	74.6	100.0	128.1	164.2	199.8	234.8
70°	0.0	10.9	21.8	33.9	63.3	92.4	122.6	164.2	205.3	246.0	289.9
67.5°	0.0	12.2	24.4	44.5	77.3	110.0	153.1	199.8	246.0	296.0	345.2
65°	0.0	13.5	26.9	54.9	91.2	131.1	183.2	234.8	289.9	345.2	399.0
62.5°	0.0	14.7	29.4	65.0	104.7	155.7	212.7	271.5	333.0	393.1	450.2
60°	0.0	15.9	31.9	75.0	117.9	179.8	241.5	308.5	375.2	438.4	500.3
57.5°	0.0	17.1	38.3	84.7	136.4	203.3	272.2	344.7	415.0	482.6	553.9
55°	0.0	18.3	44.6	94.1	154.8	226.2	302.4	379.9	453.4	527.1	608.3
52.5°	0.0	19.4	50.7	103.3	172.5	248.8	331.8	412.8	490.7	574.8	661.3
50°	0.0	20.5	56.6	112.1	189.7	272.4	360.2	444.4	528.3	621.0	727.1
47.5°	0.0	21.5	62.3	121.6	206.3	295.3	387.4	475.0	568.1	665.8	792.5
45°	0.0	22.6	67.7	133.5	222.2	317.2	412.6	504.5	606.3	722.1	855.5
42.5°	0.0	23.5	73.0	145.0	237.5	338.3	436.8	534.9	643.1	776.5	929.8
40°	0.0	24.4	78.0	155.9	252.8	358.4	459.8	565.5	681.7	828.6	1003.2
37.5°	0.0	25.3	82.7	166.2	268.1	377.4	481.8	594.7	725.6	881.8	1073.2
35°	0.0	26.1	87.2	176.0	282.5	395.0	502.5	622.3	767.2	941.2	1144.7
32.5°	0.0	26.9	91.4	185.2	296.0	411.2	522.8	648.2	806.4	997.2	1219.8
30°	0.0	27.6	95.3	193.8	308.6	426.3	543.5	674.3	843.0	1049.7	1290.2
27.5°	0.0	28.3	99.0	201.8	320.4	440.4	562.8	703.9	880.4	1098.5	1355.8
25°	0.0	28.9	102.3	209.2	331.2	453.3	580.5	731.2	920.1	1149.4	1417.1
22.5°	0.0	29.5	105.4	215.8	341.0	465.1	596.6	756.1	956.4	1198.7	1488.6
20°	0.0	30.0	108.1	221.8	349.9	475.7	611.2	778.5	989.0	1243.1	1553.2
17.5°	0.0	30.4	110.6	227.2	357.7	485.2	624.1	798.5	1018.0	1282.7	1610.6
15°	0.0	30.8	112.7	231.8	364.6	493.4	635.3	815.8	1043.4	1317.2	1660.8
12.5°	0.0	31.1	114.5	235.8	370.4	500.3	644.9	830.6	1064.9	1346.5	1703.5
10°	0.0	31.4	116.0	239.0	375.2	506.1	652.8	842.7	1082.6	1370.6	1738.6
7.5°	0.0	31.6	117.1	241.5	378.9	510.5	658.9	852.2	1096.4	1389.5	1766.0
5°	0.0	31.8	117.9	243.4	381.6	513.7	663.3	859.0	1106.3	1403.0	1785.6
2.5°	0.0	31.9	118.4	244.4	383.2	515.7	665.9	863.0	1112.2	1411.1	1797.5
0°	0.0	31.9	118.6	244.8	383.7	516.3	666.8	864.4	1114.2	1413.8	1801.4
-2.5°	0.0	31.9	118.4	244.4	383.2	515.7	665.9	863.0	1112.2	1411.1	1797.5
-5°	0.0	31.8	117.9	243.4	381.6	513.7	663.3	859.0	1106.3	1403.0	1785.6
-7.5°	0.0	31.6	117.1	241.5	378.9	510.5	658.9	852.2	1096.4	1389.5	1766.0
-10°	0.0	31.4	116.0	239.0	375.2	506.1	652.8	842.7	1082.6	1370.6	1738.6
-12.5°	0.0	31.1	114.5	235.8	370.4	500.3	644.9	830.6	1064.9	1346.5	1703.5
-15°	0.0	30.8	112.7	231.8	364.6	493.4	635.3	815.8	1043.4	1317.2	1660.8
-17.5°	0.0	30.4	110.6	227.2	357.7	485.2	624.1	798.5	1018.0	1282.7	1610.6
-20°	0.0	30.0	108.1	221.8	349.9	475.7	611.2	778.5	989.0	1243.1	1553.2

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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	29.5	105.4	215.8	341.0	465.1	596.6	756.1	956.4	1198.7	1488.6
-25°	0.0	28.9	102.3	209.2	331.2	453.3	580.5	731.2	920.1	1149.4	1417.1
-27.5°	0.0	28.3	99.0	201.8	320.4	440.4	562.8	703.9	880.4	1098.5	1355.8
-30°	0.0	27.6	95.3	193.8	308.6	426.3	543.5	674.3	843.0	1049.7	1290.2
-32.5°	0.0	26.9	91.4	185.2	296.0	411.2	522.8	648.2	806.4	997.2	1219.8
-35°	0.0	26.1	87.2	176.0	282.5	395.0	502.5	622.3	767.2	941.2	1144.7
-37.5°	0.0	25.3	82.7	166.2	268.1	377.4	481.8	594.7	725.6	881.8	1073.2
-40°	0.0	24.4	78.0	155.9	252.8	358.4	459.8	565.5	681.7	828.6	1003.2
-42.5°	0.0	23.5	73.0	145.0	237.5	338.3	436.8	534.9	643.1	776.5	929.8
-45°	0.0	22.6	67.7	133.5	222.2	317.2	412.6	504.5	606.3	722.1	855.5
-47.5°	0.0	21.5	62.3	121.6	206.3	295.3	387.4	475.0	568.1	665.8	792.5
-50°	0.0	20.5	56.6	112.1	189.7	272.4	360.2	444.4	528.3	621.0	727.1
-52.5°	0.0	19.4	50.7	103.3	172.5	248.8	331.8	412.8	490.7	574.8	661.3
-55°	0.0	18.3	44.6	94.1	154.8	226.2	302.4	379.9	453.4	527.1	608.3
-57.5°	0.0	17.1	38.3	84.7	136.4	203.3	272.2	344.7	415.0	482.6	553.9
-60°	0.0	15.9	31.9	75.0	117.9	179.8	241.5	308.5	375.2	438.4	500.3
-62.5°	0.0	14.7	29.4	65.0	104.7	155.7	212.7	271.5	333.0	393.1	450.2
-65°	0.0	13.5	26.9	54.9	91.2	131.1	183.2	234.8	289.9	345.2	399.0
-67.5°	0.0	12.2	24.4	44.5	77.3	110.0	153.1	199.8	246.0	296.0	345.2
-70°	0.0	10.9	21.8	33.9	63.3	92.4	122.6	164.2	205.3	246.0	289.9
-72.5°	0.0	9.6	19.2	28.7	49.0	74.6	100.0	128.1	164.2	199.8	234.8
-75°	0.0	8.3	16.5	24.7	34.5	56.6	78.4	100.0	122.6	153.1	183.2
-77.5°	0.0	6.9	13.8	20.7	27.5	38.3	56.6	74.6	92.4	110.0	131.1
-80°	0.0	5.5	11.1	16.6	22.0	27.5	34.5	49.0	63.3	77.3	91.2
-82.5°	0.0	4.2	8.3	12.5	16.6	20.7	24.7	28.7	33.9	44.5	54.9
-85°	0.0	2.8	5.6	8.3	11.1	13.8	16.5	19.2	21.8	24.4	26.9
-87.5°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.6	10.9	12.2	13.5
-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: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	14.7	15.9	17.1	18.3	19.4	20.5	21.5	22.6	23.5	24.4	25.3
85°	29.4	31.9	38.3	44.6	50.7	56.6	62.3	67.7	73.0	78.0	82.7
82.5°	65.0	75.0	84.7	94.1	103.3	112.1	121.6	133.5	145.0	155.9	166.2
80°	104.7	117.9	136.4	154.8	172.5	189.7	206.3	222.2	237.5	252.8	268.1
77.5°	155.7	179.8	203.3	226.2	248.8	272.4	295.3	317.2	338.3	358.4	377.4
75°	212.7	241.5	272.2	302.4	331.8	360.2	387.4	412.6	436.8	459.8	481.8
72.5°	271.5	308.5	344.7	379.9	412.8	444.4	475.0	504.5	534.9	565.5	594.7
70°	333.0	375.2	415.0	453.4	490.7	528.3	568.1	606.3	643.1	681.7	725.6
67.5°	393.1	438.4	482.6	527.1	574.8	621.0	665.8	722.1	776.5	828.6	881.8
65°	450.2	500.3	553.9	608.3	661.3	727.1	792.5	855.5	929.8	1003.2	1073.2
62.5°	506.3	567.4	628.6	695.1	771.6	845.9	932.0	1020.0	1104.6	1199.9	1292.7
60°	567.4	635.3	713.0	798.5	886.5	989.0	1088.5	1198.7	1309.7	1417.1	1548.8
57.5°	628.6	713.0	807.5	909.3	1023.5	1138.7	1268.1	1393.3	1543.6	1693.7	1843.0
55°	695.1	798.5	909.3	1035.0	1166.5	1310.1	1460.2	1635.1	1804.4	1993.0	2173.7
52.5°	771.6	886.5	1023.5	1166.5	1324.2	1496.9	1690.5	1890.8	2101.7	2306.5	2507.4
50°	845.9	989.0	1138.7	1310.1	1496.9	1709.1	1934.3	2167.5	2397.8	2622.4	2832.8
47.5°	932.0	1088.5	1268.1	1460.2	1690.5	1934.3	2189.6	2443.8	2692.1	2922.6	3143.3
45°	1020.0	1198.7	1393.3	1635.1	1890.8	2167.5	2443.8	2715.5	2967.8	3206.0	3414.2
42.5°	1104.6	1309.7	1543.6	1804.4	2101.7	2397.8	2692.1	2967.8	3226.3	3455.6	3664.8
40°	1199.9	1417.1	1693.7	1993.0	2306.5	2622.4	2922.6	3206.0	3455.6	3683.9	3895.8
37.5°	1292.7	1548.8	1843.0	2173.7	2507.4	2832.8	3143.3	3414.2	3664.8	3895.8	4099.0
35°	1380.8	1674.0	2001.6	2348.7	2699.1	3030.0	3332.2	3608.0	3857.0	4081.1	4288.9
32.5°	1478.8	1792.4	2151.7	2517.0	2873.8	3210.7	3510.2	3780.1	4027.6	4255.2	4461.6
30°	1579.9	1920.0	2294.2	2675.4	3037.9	3367.4	3666.4	3939.6	4185.3	4410.1	4612.3
27.5°	1674.0	2040.4	2430.2	2818.8	3187.8	3514.3	3809.3	4078.3	4325.4	4551.7	4747.7
25°	1760.9	2151.7	2556.0	2950.0	3314.0	3641.3	3938.9	4207.7	4453.4	4670.6	4861.1
22.5°	1846.8	2253.7	2671.3	3070.4	3429.9	3754.7	4049.7	4319.2	4565.0	4780.2	4963.0
20°	1930.2	2348.7	2773.1	3177.2	3535.0	3857.8	4150.5	4419.5	4658.7	4867.1	5049.1
17.5°	2004.4	2433.4	2862.1	3263.4	3621.5	3945.8	4239.7	4509.6	4743.1	4945.5	5123.5
15°	2069.3	2507.4	2939.9	3338.9	3695.9	4018.9	4312.9	4579.8	4811.7	5012.4	5189.1
12.5°	2124.5	2570.5	3006.4	3403.3	3759.5	4081.5	4375.5	4638.8	4866.8	5064.9	5237.7
10°	2170.0	2622.4	3061.1	3456.4	3811.9	4133.2	4427.3	4687.6	4912.4	5108.5	5278.2
7.5°	2205.5	2663.0	3103.9	3498.0	3853.0	4173.7	4468.0	4725.9	4948.3	5142.8	5310.2
5°	2231.0	2692.1	3134.6	3527.8	3882.5	4202.8	4497.2	4753.5	4974.2	5167.5	5333.3
2.5°	2246.3	2709.7	3153.0	3545.8	3900.3	4220.3	4514.8	4770.1	4989.8	5182.5	5347.2
0°	2251.4	2715.5	3159.2	3551.8	3906.2	4226.2	4520.7	4775.7	4995.0	5187.5	5351.9
-2.5°	2246.3	2709.7	3153.0	3545.8	3900.3	4220.3	4514.8	4770.1	4989.8	5182.5	5347.2
-5°	2231.0	2692.1	3134.6	3527.8	3882.5	4202.8	4497.2	4753.5	4974.2	5167.5	5333.3
-7.5°	2205.5	2663.0	3103.9	3498.0	3853.0	4173.7	4468.0	4725.9	4948.3	5142.8	5310.2
-10°	2170.0	2622.4	3061.1	3456.4	3811.9	4133.2	4427.3	4687.6	4912.4	5108.5	5278.2
-12.5°	2124.5	2570.5	3006.4	3403.3	3759.5	4081.5	4375.5	4638.8	4866.8	5064.9	5237.7
-15°	2069.3	2507.4	2939.9	3338.9	3695.9	4018.9	4312.9	4579.8	4811.7	5012.4	5189.1
-17.5°	2004.4	2433.4	2862.1	3263.4	3621.5	3945.8	4239.7	4509.6	4743.1	4945.5	5123.5
-20°	1930.2	2348.7	2773.1	3177.2	3535.0	3857.8	4150.5	4419.5	4658.7	4867.1	5049.1

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Scaled Data Report



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1846.8	2253.7	2671.3	3070.4	3429.9	3754.7	4049.7	4319.2	4565.0	4780.2	4963.0
-25°	1760.9	2151.7	2556.0	2950.0	3314.0	3641.3	3938.9	4207.7	4453.4	4670.6	4861.1
-27.5°	1674.0	2040.4	2430.2	2818.8	3187.8	3514.3	3809.3	4078.3	4325.4	4551.7	4747.7
-30°	1579.9	1920.0	2294.2	2675.4	3037.9	3367.4	3666.4	3939.6	4185.3	4410.1	4612.3
-32.5°	1478.8	1792.4	2151.7	2517.0	2873.8	3210.7	3510.2	3780.1	4027.6	4255.2	4461.6
-35°	1380.8	1674.0	2001.6	2348.7	2699.1	3030.0	3332.2	3608.0	3857.0	4081.1	4288.9
-37.5°	1292.7	1548.8	1843.0	2173.7	2507.4	2832.8	3143.3	3414.2	3664.8	3895.8	4099.0
-40°	1199.9	1417.1	1693.7	1993.0	2306.5	2622.4	2922.6	3206.0	3455.6	3683.9	3895.8
-42.5°	1104.6	1309.7	1543.6	1804.4	2101.7	2397.8	2692.1	2967.8	3226.3	3455.6	3664.8
-45°	1020.0	1198.7	1393.3	1635.1	1890.8	2167.5	2443.8	2715.5	2967.8	3206.0	3414.2
-47.5°	932.0	1088.5	1268.1	1460.2	1690.5	1934.3	2189.6	2443.8	2692.1	2922.6	3143.3
-50°	845.9	989.0	1138.7	1310.1	1496.9	1709.1	1934.3	2167.5	2397.8	2622.4	2832.8
-52.5°	771.6	886.5	1023.5	1166.5	1324.2	1496.9	1690.5	1890.8	2101.7	2306.5	2507.4
-55°	695.1	798.5	909.3	1035.0	1166.5	1310.1	1460.2	1635.1	1804.4	1993.0	2173.7
-57.5°	628.6	713.0	807.5	909.3	1023.5	1138.7	1268.1	1393.3	1543.6	1693.7	1843.0
-60°	567.4	635.3	713.0	798.5	886.5	989.0	1088.5	1198.7	1309.7	1417.1	1548.8
-62.5°	506.3	567.4	628.6	695.1	771.6	845.9	932.0	1020.0	1104.6	1199.9	1292.7
-65°	450.2	500.3	553.9	608.3	661.3	727.1	792.5	855.5	929.8	1003.2	1073.2
-67.5°	393.1	438.4	482.6	527.1	574.8	621.0	665.8	722.1	776.5	828.6	881.8
-70°	333.0	375.2	415.0	453.4	490.7	528.3	568.1	606.3	643.1	681.7	725.6
-72.5°	271.5	308.5	344.7	379.9	412.8	444.4	475.0	504.5	534.9	565.5	594.7
-75°	212.7	241.5	272.2	302.4	331.8	360.2	387.4	412.6	436.8	459.8	481.8
-77.5°	155.7	179.8	203.3	226.2	248.8	272.4	295.3	317.2	338.3	358.4	377.4
-80°	104.7	117.9	136.4	154.8	172.5	189.7	206.3	222.2	237.5	252.8	268.1
-82.5°	65.0	75.0	84.7	94.1	103.3	112.1	121.6	133.5	145.0	155.9	166.2
-85°	29.4	31.9	38.3	44.6	50.7	56.6	62.3	67.7	73.0	78.0	82.7
-87.5°	14.7	15.9	17.1	18.3	19.4	20.5	21.5	22.6	23.5	24.4	25.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	26.1	26.9	27.6	28.3	28.9	29.5	30.0	30.4	30.8	31.1	31.4
85°	87.2	91.4	95.3	99.0	102.3	105.4	108.1	110.6	112.7	114.5	116.0
82.5°	176.0	185.2	193.8	201.8	209.2	215.8	221.8	227.2	231.8	235.8	239.0
80°	282.5	296.0	308.6	320.4	331.2	341.0	349.9	357.7	364.6	370.4	375.2
77.5°	395.0	411.2	426.3	440.4	453.3	465.1	475.7	485.2	493.4	500.3	506.1
75°	502.5	522.8	543.5	562.8	580.5	596.6	611.2	624.1	635.3	644.9	652.8
72.5°	622.3	648.2	674.3	703.9	731.2	756.1	778.5	798.5	815.8	830.6	842.7
70°	767.2	806.4	843.0	880.4	920.1	956.4	989.0	1018.0	1043.4	1064.9	1082.6
67.5°	941.2	997.2	1049.7	1098.5	1149.4	1198.7	1243.1	1282.7	1317.2	1346.5	1370.6
65°	1144.7	1219.8	1290.2	1355.8	1417.1	1488.6	1553.2	1610.6	1660.8	1703.5	1738.6
62.5°	1380.8	1478.8	1579.9	1674.0	1760.9	1846.8	1930.2	2004.4	2069.3	2124.5	2170.0
60°	1674.0	1792.4	1920.0	2040.4	2151.7	2253.7	2348.7	2433.4	2507.4	2570.5	2622.4
57.5°	2001.6	2151.7	2294.2	2430.2	2556.0	2671.3	2773.1	2862.1	2939.9	3006.4	3061.1
55°	2348.7	2517.0	2675.4	2818.8	2950.0	3070.4	3177.2	3263.4	3338.9	3403.3	3456.4
52.5°	2699.1	2873.8	3037.9	3187.8	3314.0	3429.9	3535.0	3621.5	3695.9	3759.5	3811.9
50°	3030.0	3210.7	3367.4	3514.3	3641.3	3754.7	3857.8	3945.8	4018.9	4081.5	4133.2
47.5°	3332.2	3510.2	3666.4	3809.3	3938.9	4049.7	4150.5	4239.7	4312.9	4375.5	4427.3
45°	3608.0	3780.1	3939.6	4078.3	4207.7	4319.2	4419.5	4509.6	4579.8	4638.8	4687.6
42.5°	3857.0	4027.6	4185.3	4325.4	4453.4	4565.0	4658.7	4743.1	4811.7	4866.8	4912.4
40°	4081.1	4255.2	4410.1	4551.7	4670.6	4780.2	4867.1	4945.5	5012.4	5064.9	5108.5
37.5°	4288.9	4461.6	4612.3	4747.7	4861.1	4963.0	5049.1	5123.5	5189.1	5237.7	5278.2
35°	4478.9	4643.0	4792.1	4916.2	5028.6	5124.6	5209.3	5277.9	5338.9	5385.2	5422.2
32.5°	4643.0	4805.7	4944.1	5066.3	5176.0	5265.5	5346.8	5409.6	5465.0	5509.6	5543.9
30°	4792.1	4944.1	5079.0	5200.0	5300.0	5387.1	5460.3	5521.7	5572.8	5615.4	5645.6
27.5°	4916.2	5066.3	5200.0	5311.5	5407.2	5491.2	5558.2	5617.3	5661.9	5701.1	5727.1
25°	5028.6	5176.0	5300.0	5407.2	5500.1	5576.8	5640.6	5694.1	5733.7	5767.2	5786.5
22.5°	5124.6	5265.5	5387.1	5491.2	5576.8	5648.4	5708.6	5753.8	5786.2	5806.5	5818.0
20°	5209.3	5346.8	5460.3	5558.2	5640.6	5708.6	5760.7	5794.2	5816.8	5822.3	5825.6
17.5°	5277.9	5409.6	5521.7	5617.3	5694.1	5753.8	5794.2	5817.8	5824.6	5823.4	5820.0
15°	5338.9	5465.0	5572.8	5661.9	5733.7	5786.2	5816.8	5824.6	5822.6	5815.8	5805.3
12.5°	5385.2	5509.6	5615.4	5701.1	5767.2	5806.5	5822.3	5823.4	5815.8	5802.8	5787.8
10°	5422.2	5543.9	5645.6	5727.1	5786.5	5818.0	5825.6	5820.0	5805.3	5787.8	5771.3
7.5°	5451.4	5571.2	5669.6	5747.8	5799.2	5821.5	5823.1	5812.6	5794.9	5775.1	5757.3
5°	5472.5	5590.9	5687.1	5762.9	5808.4	5824.1	5821.3	5806.8	5786.3	5765.6	5749.3
2.5°	5485.3	5602.9	5697.7	5772.1	5814.1	5825.7	5820.2	5803.2	5780.9	5759.5	5744.0
0°	5489.6	5606.9	5701.3	5775.2	5816.0	5826.2	5819.8	5802.0	5779.0	5757.4	5742.1
-2.5°	5485.3	5602.9	5697.7	5772.1	5814.1	5825.7	5820.2	5803.2	5780.9	5759.5	5744.0
-5°	5472.5	5590.9	5687.1	5762.9	5808.4	5824.1	5821.3	5806.8	5786.3	5765.6	5749.3
-7.5°	5451.4	5571.2	5669.6	5747.8	5799.2	5821.5	5823.1	5812.6	5794.9	5775.1	5757.3
-10°	5422.2	5543.9	5645.6	5727.1	5786.5	5818.0	5825.6	5820.0	5805.3	5787.8	5771.3
-12.5°	5385.2	5509.6	5615.4	5701.1	5767.2	5806.5	5822.3	5823.4	5815.8	5802.8	5787.8
-15°	5338.9	5465.0	5572.8	5661.9	5733.7	5786.2	5816.8	5824.6	5822.6	5815.8	5805.3
-17.5°	5277.9	5409.6	5521.7	5617.3	5694.1	5753.8	5794.2	5817.8	5824.6	5823.4	5820.0
-20°	5209.3	5346.8	5460.3	5558.2	5640.6	5708.6	5760.7	5794.2	5816.8	5822.3	5825.6



REPORT NUMBER: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5124.6	5265.5	5387.1	5491.2	5576.8	5648.4	5708.6	5753.8	5786.2	5806.5	5818.0
-25°	5028.6	5176.0	5300.0	5407.2	5500.1	5576.8	5640.6	5694.1	5733.7	5767.2	5786.5
-27.5°	4916.2	5066.3	5200.0	5311.5	5407.2	5491.2	5558.2	5617.3	5661.9	5701.1	5727.1
-30°	4792.1	4944.1	5079.0	5200.0	5300.0	5387.1	5460.3	5521.7	5572.8	5615.4	5645.6
-32.5°	4643.0	4805.7	4944.1	5066.3	5176.0	5265.5	5346.8	5409.6	5465.0	5509.6	5543.9
-35°	4478.9	4643.0	4792.1	4916.2	5028.6	5124.6	5209.3	5277.9	5338.9	5385.2	5422.2
-37.5°	4288.9	4461.6	4612.3	4747.7	4861.1	4963.0	5049.1	5123.5	5189.1	5237.7	5278.2
-40°	4081.1	4255.2	4410.1	4551.7	4670.6	4780.2	4867.1	4945.5	5012.4	5064.9	5108.5
-42.5°	3857.0	4027.6	4185.3	4325.4	4453.4	4565.0	4658.7	4743.1	4811.7	4866.8	4912.4
-45°	3608.0	3780.1	3939.6	4078.3	4207.7	4319.2	4419.5	4509.6	4579.8	4638.8	4687.6
-47.5°	3332.2	3510.2	3666.4	3809.3	3938.9	4049.7	4150.5	4239.7	4312.9	4375.5	4427.3
-50°	3030.0	3210.7	3367.4	3514.3	3641.3	3754.7	3857.8	3945.8	4018.9	4081.5	4133.2
-52.5°	2699.1	2873.8	3037.9	3187.8	3314.0	3429.9	3535.0	3621.5	3695.9	3759.5	3811.9
-55°	2348.7	2517.0	2675.4	2818.8	2950.0	3070.4	3177.2	3263.4	3338.9	3403.3	3456.4
-57.5°	2001.6	2151.7	2294.2	2430.2	2556.0	2671.3	2773.1	2862.1	2939.9	3006.4	3061.1
-60°	1674.0	1792.4	1920.0	2040.4	2151.7	2253.7	2348.7	2433.4	2507.4	2570.5	2622.4
-62.5°	1380.8	1478.8	1579.9	1674.0	1760.9	1846.8	1930.2	2004.4	2069.3	2124.5	2170.0
-65°	1144.7	1219.8	1290.2	1355.8	1417.1	1488.6	1553.2	1610.6	1660.8	1703.5	1738.6
-67.5°	941.2	997.2	1049.7	1098.5	1149.4	1198.7	1243.1	1282.7	1317.2	1346.5	1370.6
-70°	767.2	806.4	843.0	880.4	920.1	956.4	989.0	1018.0	1043.4	1064.9	1082.6
-72.5°	622.3	648.2	674.3	703.9	731.2	756.1	778.5	798.5	815.8	830.6	842.7
-75°	502.5	522.8	543.5	562.8	580.5	596.6	611.2	624.1	635.3	644.9	652.8
-77.5°	395.0	411.2	426.3	440.4	453.3	465.1	475.7	485.2	493.4	500.3	506.1
-80°	282.5	296.0	308.6	320.4	331.2	341.0	349.9	357.7	364.6	370.4	375.2
-82.5°	176.0	185.2	193.8	201.8	209.2	215.8	221.8	227.2	231.8	235.8	239.0
-85°	87.2	91.4	95.3	99.0	102.3	105.4	108.1	110.6	112.7	114.5	116.0
-87.5°	26.1	26.9	27.6	28.3	28.9	29.5	30.0	30.4	30.8	31.1	31.4
-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: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3E-722-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°	31.6	31.8	31.9	31.9	31.9	31.8	31.6	31.4	31.1	30.8	30.4
85°	117.1	117.9	118.4	118.6	118.4	117.9	117.1	116.0	114.5	112.7	110.6
82.5°	241.5	243.4	244.4	244.8	244.4	243.4	241.5	239.0	235.8	231.8	227.2
80°	378.9	381.6	383.2	383.7	383.2	381.6	378.9	375.2	370.4	364.6	357.7
77.5°	510.5	513.7	515.7	516.3	515.7	513.7	510.5	506.1	500.3	493.4	485.2
75°	658.9	663.3	665.9	666.8	665.9	663.3	658.9	652.8	644.9	635.3	624.1
72.5°	852.2	859.0	863.0	864.4	863.0	859.0	852.2	842.7	830.6	815.8	798.5
70°	1096.4	1106.3	1112.2	1114.2	1112.2	1106.3	1096.4	1082.6	1064.9	1043.4	1018.0
67.5°	1389.5	1403.0	1411.1	1413.8	1411.1	1403.0	1389.5	1370.6	1346.5	1317.2	1282.7
65°	1766.0	1785.6	1797.5	1801.4	1797.5	1785.6	1766.0	1738.6	1703.5	1660.8	1610.6
62.5°	2205.5	2231.0	2246.3	2251.4	2246.3	2231.0	2205.5	2170.0	2124.5	2069.3	2004.4
60°	2663.0	2692.1	2709.7	2715.5	2709.7	2692.1	2663.0	2622.4	2570.5	2507.4	2433.4
57.5°	3103.9	3134.6	3153.0	3159.2	3153.0	3134.6	3103.9	3061.1	3006.4	2939.9	2862.1
55°	3498.0	3527.8	3545.8	3551.8	3545.8	3527.8	3498.0	3456.4	3403.3	3338.9	3263.4
52.5°	3853.0	3882.5	3900.3	3906.2	3900.3	3882.5	3853.0	3811.9	3759.5	3695.9	3621.5
50°	4173.7	4202.8	4220.3	4226.2	4220.3	4202.8	4173.7	4133.2	4081.5	4018.9	3945.8
47.5°	4468.0	4497.2	4514.8	4520.7	4514.8	4497.2	4468.0	4427.3	4375.5	4312.9	4239.7
45°	4725.9	4753.5	4770.1	4775.7	4770.1	4753.5	4725.9	4687.6	4638.8	4579.8	4509.6
42.5°	4948.3	4974.2	4989.8	4995.0	4989.8	4974.2	4948.3	4912.4	4866.8	4811.7	4743.1
40°	5142.8	5167.5	5182.5	5187.5	5182.5	5167.5	5142.8	5108.5	5064.9	5012.4	4945.5
37.5°	5310.2	5333.3	5347.2	5351.9	5347.2	5333.3	5310.2	5278.2	5237.7	5189.1	5123.5
35°	5451.4	5472.5	5485.3	5489.6	5485.3	5472.5	5451.4	5422.2	5385.2	5338.9	5277.9
32.5°	5571.2	5590.9	5602.9	5606.9	5602.9	5590.9	5571.2	5543.9	5509.6	5465.0	5409.6
30°	5669.6	5687.1	5697.7	5701.3	5697.7	5687.1	5669.6	5645.6	5615.4	5572.8	5521.7
27.5°	5747.8	5762.9	5772.1	5775.2	5772.1	5762.9	5747.8	5727.1	5701.1	5661.9	5617.3
25°	5799.2	5808.4	5814.1	5816.0	5814.1	5808.4	5799.2	5786.5	5767.2	5733.7	5694.1
22.5°	5821.5	5824.1	5825.7	5826.2	5825.7	5824.1	5821.5	5818.0	5806.5	5786.2	5753.8
20°	5823.1	5821.3	5820.2	5819.8	5820.2	5821.3	5823.1	5825.6	5822.3	5816.8	5794.2
17.5°	5812.6	5806.8	5803.2	5802.0	5803.2	5806.8	5812.6	5820.0	5823.4	5824.6	5817.8
15°	5794.9	5786.3	5780.9	5779.0	5780.9	5786.3	5794.9	5805.3	5815.8	5822.6	5824.6
12.5°	5775.1	5765.6	5759.5	5757.4	5759.5	5765.6	5775.1	5787.8	5802.8	5815.8	5823.4
10°	5757.3	5749.3	5744.0	5742.1	5744.0	5749.3	5757.3	5771.3	5787.8	5805.3	5820.0
7.5°	5745.7	5738.5	5734.6	5733.1	5734.6	5738.5	5745.7	5757.3	5775.1	5794.9	5812.6
5°	5738.5	5731.3	5725.3	5722.9	5725.3	5731.3	5738.5	5749.3	5765.6	5786.3	5806.8
2.5°	5734.6	5725.3	5716.2	5711.5	5716.2	5725.3	5734.6	5744.0	5759.5	5780.9	5803.2
0°	5733.1	5722.9	5711.5	5712.7	5711.5	5722.9	5733.1	5742.1	5757.4	5779.0	5802.0
-2.5°	5734.6	5725.3	5716.2	5711.5	5716.2	5725.3	5734.6	5744.0	5759.5	5780.9	5803.2
-5°	5738.5	5731.3	5725.3	5722.9	5725.3	5731.3	5738.5	5749.3	5765.6	5786.3	5806.8
-7.5°	5745.7	5738.5	5734.6	5733.1	5734.6	5738.5	5745.7	5757.3	5775.1	5794.9	5812.6
-10°	5757.3	5749.3	5744.0	5742.1	5744.0	5749.3	5757.3	5771.3	5787.8	5805.3	5820.0
-12.5°	5775.1	5765.6	5759.5	5757.4	5759.5	5765.6	5775.1	5787.8	5802.8	5815.8	5823.4
-15°	5794.9	5786.3	5780.9	5779.0	5780.9	5786.3	5794.9	5805.3	5815.8	5822.6	5824.6
-17.5°	5812.6	5806.8	5803.2	5802.0	5803.2	5806.8	5812.6	5820.0	5823.4	5824.6	5817.8
-20°	5823.1	5821.3	5820.2	5819.8	5820.2	5821.3	5823.1	5825.6	5822.3	5816.8	5794.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	5821.5	5824.1	5825.7	5826.2	5825.7	5824.1	5821.5	5818.0	5806.5	5786.2	5753.8
-25°	5799.2	5808.4	5814.1	5816.0	5814.1	5808.4	5799.2	5786.5	5767.2	5733.7	5694.1
-27.5°	5747.8	5762.9	5772.1	5775.2	5772.1	5762.9	5747.8	5727.1	5701.1	5661.9	5617.3
-30°	5669.6	5687.1	5697.7	5701.3	5697.7	5687.1	5669.6	5645.6	5615.4	5572.8	5521.7
-32.5°	5571.2	5590.9	5602.9	5606.9	5602.9	5590.9	5571.2	5543.9	5509.6	5465.0	5409.6
-35°	5451.4	5472.5	5485.3	5489.6	5485.3	5472.5	5451.4	5422.2	5385.2	5338.9	5277.9
-37.5°	5310.2	5333.3	5347.2	5351.9	5347.2	5333.3	5310.2	5278.2	5237.7	5189.1	5123.5
-40°	5142.8	5167.5	5182.5	5187.5	5182.5	5167.5	5142.8	5108.5	5064.9	5012.4	4945.5
-42.5°	4948.3	4974.2	4989.8	4995.0	4989.8	4974.2	4948.3	4912.4	4866.8	4811.7	4743.1
-45°	4725.9	4753.5	4770.1	4775.7	4770.1	4753.5	4725.9	4687.6	4638.8	4579.8	4509.6
-47.5°	4468.0	4497.2	4514.8	4520.7	4514.8	4497.2	4468.0	4427.3	4375.5	4312.9	4239.7
-50°	4173.7	4202.8	4220.3	4226.2	4220.3	4202.8	4173.7	4133.2	4081.5	4018.9	3945.8
-52.5°	3853.0	3882.5	3900.3	3906.2	3900.3	3882.5	3853.0	3811.9	3759.5	3695.9	3621.5
-55°	3498.0	3527.8	3545.8	3551.8	3545.8	3527.8	3498.0	3456.4	3403.3	3338.9	3263.4
-57.5°	3103.9	3134.6	3153.0	3159.2	3153.0	3134.6	3103.9	3061.1	3006.4	2939.9	2862.1
-60°	2663.0	2692.1	2709.7	2715.5	2709.7	2692.1	2663.0	2622.4	2570.5	2507.4	2433.4
-62.5°	2205.5	2231.0	2246.3	2251.4	2246.3	2231.0	2205.5	2170.0	2124.5	2069.3	2004.4
-65°	1766.0	1785.6	1797.5	1801.4	1797.5	1785.6	1766.0	1738.6	1703.5	1660.8	1610.6
-67.5°	1389.5	1403.0	1411.1	1413.8	1411.1	1403.0	1389.5	1370.6	1346.5	1317.2	1282.7
-70°	1096.4	1106.3	1112.2	1114.2	1112.2	1106.3	1096.4	1082.6	1064.9	1043.4	1018.0
-72.5°	852.2	859.0	863.0	864.4	863.0	859.0	852.2	842.7	830.6	815.8	798.5
-75°	658.9	663.3	665.9	666.8	665.9	663.3	658.9	652.8	644.9	635.3	624.1
-77.5°	510.5	513.7	515.7	516.3	515.7	513.7	510.5	506.1	500.3	493.4	485.2
-80°	378.9	381.6	383.2	383.7	383.2	381.6	378.9	375.2	370.4	364.6	357.7
-82.5°	241.5	243.4	244.4	244.8	244.4	243.4	241.5	239.0	235.8	231.8	227.2
-85°	117.1	117.9	118.4	118.6	118.4	117.9	117.1	116.0	114.5	112.7	110.6
-87.5°	31.6	31.8	31.9	31.9	31.9	31.8	31.6	31.4	31.1	30.8	30.4
-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: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	30.0	29.5	28.9	28.3	27.6	26.9	26.1	25.3	24.4	23.5	22.6
85°	108.1	105.4	102.3	99.0	95.3	91.4	87.2	82.7	78.0	73.0	67.7
82.5°	221.8	215.8	209.2	201.8	193.8	185.2	176.0	166.2	155.9	145.0	133.5
80°	349.9	341.0	331.2	320.4	308.6	296.0	282.5	268.1	252.8	237.5	222.2
77.5°	475.7	465.1	453.3	440.4	426.3	411.2	395.0	377.4	358.4	338.3	317.2
75°	611.2	596.6	580.5	562.8	543.5	522.8	502.5	481.8	459.8	436.8	412.6
72.5°	778.5	756.1	731.2	703.9	674.3	648.2	622.3	594.7	565.5	534.9	504.5
70°	989.0	956.4	920.1	880.4	843.0	806.4	767.2	725.6	681.7	643.1	606.3
67.5°	1243.1	1198.7	1149.4	1098.5	1049.7	997.2	941.2	881.8	828.6	776.5	722.1
65°	1553.2	1488.6	1417.1	1355.8	1290.2	1219.8	1144.7	1073.2	1003.2	929.8	855.5
62.5°	1930.2	1846.8	1760.9	1674.0	1579.9	1478.8	1380.8	1292.7	1199.9	1104.6	1020.0
60°	2348.7	2253.7	2151.7	2040.4	1920.0	1792.4	1674.0	1548.8	1417.1	1309.7	1198.7
57.5°	2773.1	2671.3	2556.0	2430.2	2294.2	2151.7	2001.6	1843.0	1693.7	1543.6	1393.3
55°	3177.2	3070.4	2950.0	2818.8	2675.4	2517.0	2348.7	2173.7	1993.0	1804.4	1635.1
52.5°	3535.0	3429.9	3314.0	3187.8	3037.9	2873.8	2699.1	2507.4	2306.5	2101.7	1890.8
50°	3857.8	3754.7	3641.3	3514.3	3367.4	3210.7	3030.0	2832.8	2622.4	2397.8	2167.5
47.5°	4150.5	4049.7	3938.9	3809.3	3666.4	3510.2	3332.2	3143.3	2922.6	2692.1	2443.8
45°	4419.5	4319.2	4207.7	4078.3	3939.6	3780.1	3608.0	3414.2	3206.0	2967.8	2715.5
42.5°	4658.7	4565.0	4453.4	4325.4	4185.3	4027.6	3857.0	3664.8	3455.6	3226.3	2967.8
40°	4867.1	4780.2	4670.6	4551.7	4410.1	4255.2	4081.1	3895.8	3683.9	3455.6	3206.0
37.5°	5049.1	4963.0	4861.1	4747.7	4612.3	4461.6	4288.9	4099.0	3895.8	3664.8	3414.2
35°	5209.3	5124.6	5028.6	4916.2	4792.1	4643.0	4478.9	4288.9	4081.1	3857.0	3608.0
32.5°	5346.8	5265.5	5176.0	5066.3	4944.1	4805.7	4643.0	4461.6	4255.2	4027.6	3780.1
30°	5460.3	5387.1	5300.0	5200.0	5079.0	4944.1	4792.1	4612.3	4410.1	4185.3	3939.6
27.5°	5558.2	5491.2	5407.2	5311.5	5200.0	5066.3	4916.2	4747.7	4551.7	4325.4	4078.3
25°	5640.6	5576.8	5500.1	5407.2	5300.0	5176.0	5028.6	4861.1	4670.6	4453.4	4207.7
22.5°	5708.6	5648.4	5576.8	5491.2	5387.1	5265.5	5124.6	4963.0	4780.2	4565.0	4319.2
20°	5760.7	5708.6	5640.6	5558.2	5460.3	5346.8	5209.3	5049.1	4867.1	4658.7	4419.5
17.5°	5794.2	5753.8	5694.1	5617.3	5521.7	5409.6	5277.9	5123.5	4945.5	4743.1	4509.6
15°	5816.8	5786.2	5733.7	5661.9	5572.8	5465.0	5338.9	5189.1	5012.4	4811.7	4579.8
12.5°	5822.3	5806.5	5767.2	5701.1	5615.4	5509.6	5385.2	5237.7	5064.9	4866.8	4638.8
10°	5825.6	5818.0	5786.5	5727.1	5645.6	5543.9	5422.2	5278.2	5108.5	4912.4	4687.6
7.5°	5823.1	5821.5	5799.2	5747.8	5669.6	5571.2	5451.4	5310.2	5142.8	4948.3	4725.9
5°	5821.3	5824.1	5808.4	5762.9	5687.1	5590.9	5472.5	5333.3	5167.5	4974.2	4753.5
2.5°	5820.2	5825.7	5814.1	5772.1	5697.7	5602.9	5485.3	5347.2	5182.5	4989.8	4770.1
0°	5819.8	5826.2	5816.0	5775.2	5701.3	5606.9	5489.6	5351.9	5187.5	4995.0	4775.7
-2.5°	5820.2	5825.7	5814.1	5772.1	5697.7	5602.9	5485.3	5347.2	5182.5	4989.8	4770.1
-5°	5821.3	5824.1	5808.4	5762.9	5687.1	5590.9	5472.5	5333.3	5167.5	4974.2	4753.5
-7.5°	5823.1	5821.5	5799.2	5747.8	5669.6	5571.2	5451.4	5310.2	5142.8	4948.3	4725.9
-10°	5825.6	5818.0	5786.5	5727.1	5645.6	5543.9	5422.2	5278.2	5108.5	4912.4	4687.6
-12.5°	5822.3	5806.5	5767.2	5701.1	5615.4	5509.6	5385.2	5237.7	5064.9	4866.8	4638.8
-15°	5816.8	5786.2	5733.7	5661.9	5572.8	5465.0	5338.9	5189.1	5012.4	4811.7	4579.8
-17.5°	5794.2	5753.8	5694.1	5617.3	5521.7	5409.6	5277.9	5123.5	4945.5	4743.1	4509.6
-20°	5760.7	5708.6	5640.6	5558.2	5460.3	5346.8	5209.3	5049.1	4867.1	4658.7	4419.5



REPORT NUMBER: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5708.6	5648.4	5576.8	5491.2	5387.1	5265.5	5124.6	4963.0	4780.2	4565.0	4319.2
-25°	5640.6	5576.8	5500.1	5407.2	5300.0	5176.0	5028.6	4861.1	4670.6	4453.4	4207.7
-27.5°	5558.2	5491.2	5407.2	5311.5	5200.0	5066.3	4916.2	4747.7	4551.7	4325.4	4078.3
-30°	5460.3	5387.1	5300.0	5200.0	5079.0	4944.1	4792.1	4612.3	4410.1	4185.3	3939.6
-32.5°	5346.8	5265.5	5176.0	5066.3	4944.1	4805.7	4643.0	4461.6	4255.2	4027.6	3780.1
-35°	5209.3	5124.6	5028.6	4916.2	4792.1	4643.0	4478.9	4288.9	4081.1	3857.0	3608.0
-37.5°	5049.1	4963.0	4861.1	4747.7	4612.3	4461.6	4288.9	4099.0	3895.8	3664.8	3414.2
-40°	4867.1	4780.2	4670.6	4551.7	4410.1	4255.2	4081.1	3895.8	3683.9	3455.6	3206.0
-42.5°	4658.7	4565.0	4453.4	4325.4	4185.3	4027.6	3857.0	3664.8	3455.6	3226.3	2967.8
-45°	4419.5	4319.2	4207.7	4078.3	3939.6	3780.1	3608.0	3414.2	3206.0	2967.8	2715.5
-47.5°	4150.5	4049.7	3938.9	3809.3	3666.4	3510.2	3332.2	3143.3	2922.6	2692.1	2443.8
-50°	3857.8	3754.7	3641.3	3514.3	3367.4	3210.7	3030.0	2832.8	2622.4	2397.8	2167.5
-52.5°	3535.0	3429.9	3314.0	3187.8	3037.9	2873.8	2699.1	2507.4	2306.5	2101.7	1890.8
-55°	3177.2	3070.4	2950.0	2818.8	2675.4	2517.0	2348.7	2173.7	1993.0	1804.4	1635.1
-57.5°	2773.1	2671.3	2556.0	2430.2	2294.2	2151.7	2001.6	1843.0	1693.7	1543.6	1393.3
-60°	2348.7	2253.7	2151.7	2040.4	1920.0	1792.4	1674.0	1548.8	1417.1	1309.7	1198.7
-62.5°	1930.2	1846.8	1760.9	1674.0	1579.9	1478.8	1380.8	1292.7	1199.9	1104.6	1020.0
-65°	1553.2	1488.6	1417.1	1355.8	1290.2	1219.8	1144.7	1073.2	1003.2	929.8	855.5
-67.5°	1243.1	1198.7	1149.4	1098.5	1049.7	997.2	941.2	881.8	828.6	776.5	722.1
-70°	989.0	956.4	920.1	880.4	843.0	806.4	767.2	725.6	681.7	643.1	606.3
-72.5°	778.5	756.1	731.2	703.9	674.3	648.2	622.3	594.7	565.5	534.9	504.5
-75°	611.2	596.6	580.5	562.8	543.5	522.8	502.5	481.8	459.8	436.8	412.6
-77.5°	475.7	465.1	453.3	440.4	426.3	411.2	395.0	377.4	358.4	338.3	317.2
-80°	349.9	341.0	331.2	320.4	308.6	296.0	282.5	268.1	252.8	237.5	222.2
-82.5°	221.8	215.8	209.2	201.8	193.8	185.2	176.0	166.2	155.9	145.0	133.5
-85°	108.1	105.4	102.3	99.0	95.3	91.4	87.2	82.7	78.0	73.0	67.7
-87.5°	30.0	29.5	28.9	28.3	27.6	26.9	26.1	25.3	24.4	23.5	22.6
-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: P645440 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-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°	21.5	20.5	19.4	18.3	17.1	15.9	14.7	13.5	12.2	10.9	9.6
85°	62.3	56.6	50.7	44.6	38.3	31.9	29.4	26.9	24.4	21.8	19.2
82.5°	121.6	112.1	103.3	94.1	84.7	75.0	65.0	54.9	44.5	33.9	28.7
80°	206.3	189.7	172.5	154.8	136.4	117.9	104.7	91.2	77.3	63.3	49.0
77.5°	295.3	272.4	248.8	226.2	203.3	179.8	155.7	131.1	110.0	92.4	74.6
75°	387.4	360.2	331.8	302.4	272.2	241.5	212.7	183.2	153.1	122.6	100.0
72.5°	475.0	444.4	412.8	379.9	344.7	308.5	271.5	234.8	199.8	164.2	128.1
70°	568.1	528.3	490.7	453.4	415.0	375.2	333.0	289.9	246.0	205.3	164.2
67.5°	665.8	621.0	574.8	527.1	482.6	438.4	393.1	345.2	296.0	246.0	199.8
65°	792.5	727.1	661.3	608.3	553.9	500.3	450.2	399.0	345.2	289.9	234.8
62.5°	932.0	845.9	771.6	695.1	628.6	567.4	506.3	450.2	393.1	333.0	271.5
60°	1088.5	989.0	886.5	798.5	713.0	635.3	567.4	500.3	438.4	375.2	308.5
57.5°	1268.1	1138.7	1023.5	909.3	807.5	713.0	628.6	553.9	482.6	415.0	344.7
55°	1460.2	1310.1	1166.5	1035.0	909.3	798.5	695.1	608.3	527.1	453.4	379.9
52.5°	1690.5	1496.9	1324.2	1166.5	1023.5	886.5	771.6	661.3	574.8	490.7	412.8
50°	1934.3	1709.1	1496.9	1310.1	1138.7	989.0	845.9	727.1	621.0	528.3	444.4
47.5°	2189.6	1934.3	1690.5	1460.2	1268.1	1088.5	932.0	792.5	665.8	568.1	475.0
45°	2443.8	2167.5	1890.8	1635.1	1393.3	1198.7	1020.0	855.5	722.1	606.3	504.5
42.5°	2692.1	2397.8	2101.7	1804.4	1543.6	1309.7	1104.6	929.8	776.5	643.1	534.9
40°	2922.6	2622.4	2306.5	1993.0	1693.7	1417.1	1199.9	1003.2	828.6	681.7	565.5
37.5°	3143.3	2832.8	2507.4	2173.7	1843.0	1548.8	1292.7	1073.2	881.8	725.6	594.7
35°	3332.2	3030.0	2699.1	2348.7	2001.6	1674.0	1380.8	1144.7	941.2	767.2	622.3
32.5°	3510.2	3210.7	2873.8	2517.0	2151.7	1792.4	1478.8	1219.8	997.2	806.4	648.2
30°	3666.4	3367.4	3037.9	2675.4	2294.2	1920.0	1579.9	1290.2	1049.7	843.0	674.3
27.5°	3809.3	3514.3	3187.8	2818.8	2430.2	2040.4	1674.0	1355.8	1098.5	880.4	703.9
25°	3938.9	3641.3	3314.0	2950.0	2556.0	2151.7	1760.9	1417.1	1149.4	920.1	731.2
22.5°	4049.7	3754.7	3429.9	3070.4	2671.3	2253.7	1846.8	1488.6	1198.7	956.4	756.1
20°	4150.5	3857.8	3535.0	3177.2	2773.1	2348.7	1930.2	1553.2	1243.1	989.0	778.5
17.5°	4239.7	3945.8	3621.5	3263.4	2862.1	2433.4	2004.4	1610.6	1282.7	1018.0	798.5
15°	4312.9	4018.9	3695.9	3338.9	2939.9	2507.4	2069.3	1660.8	1317.2	1043.4	815.8
12.5°	4375.5	4081.5	3759.5	3403.3	3006.4	2570.5	2124.5	1703.5	1346.5	1064.9	830.6
10°	4427.3	4133.2	3811.9	3456.4	3061.1	2622.4	2170.0	1738.6	1370.6	1082.6	842.7
7.5°	4468.0	4173.7	3853.0	3498.0	3103.9	2663.0	2205.5	1766.0	1389.5	1096.4	852.2
5°	4497.2	4202.8	3882.5	3527.8	3134.6	2692.1	2231.0	1785.6	1403.0	1106.3	859.0
2.5°	4514.8	4220.3	3900.3	3545.8	3153.0	2709.7	2246.3	1797.5	1411.1	1112.2	863.0
0°	4520.7	4226.2	3906.2	3551.8	3159.2	2715.5	2251.4	1801.4	1413.8	1114.2	864.4
-2.5°	4514.8	4220.3	3900.3	3545.8	3153.0	2709.7	2246.3	1797.5	1411.1	1112.2	863.0
-5°	4497.2	4202.8	3882.5	3527.8	3134.6	2692.1	2231.0	1785.6	1403.0	1106.3	859.0
-7.5°	4468.0	4173.7	3853.0	3498.0	3103.9	2663.0	2205.5	1766.0	1389.5	1096.4	852.2
-10°	4427.3	4133.2	3811.9	3456.4	3061.1	2622.4	2170.0	1738.6	1370.6	1082.6	842.7
-12.5°	4375.5	4081.5	3759.5	3403.3	3006.4	2570.5	2124.5	1703.5	1346.5	1064.9	830.6
-15°	4312.9	4018.9	3695.9	3338.9	2939.9	2507.4	2069.3	1660.8	1317.2	1043.4	815.8
-17.5°	4239.7	3945.8	3621.5	3263.4	2862.1	2433.4	2004.4	1610.6	1282.7	1018.0	798.5
-20°	4150.5	3857.8	3535.0	3177.2	2773.1	2348.7	1930.2	1553.2	1243.1	989.0	778.5

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CATALOG NUMBER: GFLD-SA3E-722-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°	4049.7	3754.7	3429.9	3070.4	2671.3	2253.7	1846.8	1488.6	1198.7	956.4	756.1
-25°	3938.9	3641.3	3314.0	2950.0	2556.0	2151.7	1760.9	1417.1	1149.4	920.1	731.2
-27.5°	3809.3	3514.3	3187.8	2818.8	2430.2	2040.4	1674.0	1355.8	1098.5	880.4	703.9
-30°	3666.4	3367.4	3037.9	2675.4	2294.2	1920.0	1579.9	1290.2	1049.7	843.0	674.3
-32.5°	3510.2	3210.7	2873.8	2517.0	2151.7	1792.4	1478.8	1219.8	997.2	806.4	648.2
-35°	3332.2	3030.0	2699.1	2348.7	2001.6	1674.0	1380.8	1144.7	941.2	767.2	622.3
-37.5°	3143.3	2832.8	2507.4	2173.7	1843.0	1548.8	1292.7	1073.2	881.8	725.6	594.7
-40°	2922.6	2622.4	2306.5	1993.0	1693.7	1417.1	1199.9	1003.2	828.6	681.7	565.5
-42.5°	2692.1	2397.8	2101.7	1804.4	1543.6	1309.7	1104.6	929.8	776.5	643.1	534.9
-45°	2443.8	2167.5	1890.8	1635.1	1393.3	1198.7	1020.0	855.5	722.1	606.3	504.5
-47.5°	2189.6	1934.3	1690.5	1460.2	1268.1	1088.5	932.0	792.5	665.8	568.1	475.0
-50°	1934.3	1709.1	1496.9	1310.1	1138.7	989.0	845.9	727.1	621.0	528.3	444.4
-52.5°	1690.5	1496.9	1324.2	1166.5	1023.5	886.5	771.6	661.3	574.8	490.7	412.8
-55°	1460.2	1310.1	1166.5	1035.0	909.3	798.5	695.1	608.3	527.1	453.4	379.9
-57.5°	1268.1	1138.7	1023.5	909.3	807.5	713.0	628.6	553.9	482.6	415.0	344.7
-60°	1088.5	989.0	886.5	798.5	713.0	635.3	567.4	500.3	438.4	375.2	308.5
-62.5°	932.0	845.9	771.6	695.1	628.6	567.4	506.3	450.2	393.1	333.0	271.5
-65°	792.5	727.1	661.3	608.3	553.9	500.3	450.2	399.0	345.2	289.9	234.8
-67.5°	665.8	621.0	574.8	527.1	482.6	438.4	393.1	345.2	296.0	246.0	199.8
-70°	568.1	528.3	490.7	453.4	415.0	375.2	333.0	289.9	246.0	205.3	164.2
-72.5°	475.0	444.4	412.8	379.9	344.7	308.5	271.5	234.8	199.8	164.2	128.1
-75°	387.4	360.2	331.8	302.4	272.2	241.5	212.7	183.2	153.1	122.6	100.0
-77.5°	295.3	272.4	248.8	226.2	203.3	179.8	155.7	131.1	110.0	92.4	74.6
-80°	206.3	189.7	172.5	154.8	136.4	117.9	104.7	91.2	77.3	63.3	49.0
-82.5°	121.6	112.1	103.3	94.1	84.7	75.0	65.0	54.9	44.5	33.9	28.7
-85°	62.3	56.6	50.7	44.6	38.3	31.9	29.4	26.9	24.4	21.8	19.2
-87.5°	21.5	20.5	19.4	18.3	17.1	15.9	14.7	13.5	12.2	10.9	9.6
-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°	8.3	6.9	5.5	4.2	2.8	1.4	0.0
85°	16.5	13.8	11.1	8.3	5.6	2.8	0.0
82.5°	24.7	20.7	16.6	12.5	8.3	4.2	0.0
80°	34.5	27.5	22.0	16.6	11.1	5.5	0.0
77.5°	56.6	38.3	27.5	20.7	13.8	6.9	0.0
75°	78.4	56.6	34.5	24.7	16.5	8.3	0.0
72.5°	100.0	74.6	49.0	28.7	19.2	9.6	0.0
70°	122.6	92.4	63.3	33.9	21.8	10.9	0.0
67.5°	153.1	110.0	77.3	44.5	24.4	12.2	0.0
65°	183.2	131.1	91.2	54.9	26.9	13.5	0.0
62.5°	212.7	155.7	104.7	65.0	29.4	14.7	0.0
60°	241.5	179.8	117.9	75.0	31.9	15.9	0.0
57.5°	272.2	203.3	136.4	84.7	38.3	17.1	0.0
55°	302.4	226.2	154.8	94.1	44.6	18.3	0.0
52.5°	331.8	248.8	172.5	103.3	50.7	19.4	0.0
50°	360.2	272.4	189.7	112.1	56.6	20.5	0.0
47.5°	387.4	295.3	206.3	121.6	62.3	21.5	0.0
45°	412.6	317.2	222.2	133.5	67.7	22.6	0.0
42.5°	436.8	338.3	237.5	145.0	73.0	23.5	0.0
40°	459.8	358.4	252.8	155.9	78.0	24.4	0.0
37.5°	481.8	377.4	268.1	166.2	82.7	25.3	0.0
35°	502.5	395.0	282.5	176.0	87.2	26.1	0.0
32.5°	522.8	411.2	296.0	185.2	91.4	26.9	0.0
30°	543.5	426.3	308.6	193.8	95.3	27.6	0.0
27.5°	562.8	440.4	320.4	201.8	99.0	28.3	0.0
25°	580.5	453.3	331.2	209.2	102.3	28.9	0.0
22.5°	596.6	465.1	341.0	215.8	105.4	29.5	0.0
20°	611.2	475.7	349.9	221.8	108.1	30.0	0.0
17.5°	624.1	485.2	357.7	227.2	110.6	30.4	0.0
15°	635.3	493.4	364.6	231.8	112.7	30.8	0.0
12.5°	644.9	500.3	370.4	235.8	114.5	31.1	0.0
10°	652.8	506.1	375.2	239.0	116.0	31.4	0.0
7.5°	658.9	510.5	378.9	241.5	117.1	31.6	0.0
5°	663.3	513.7	381.6	243.4	117.9	31.8	0.0
2.5°	665.9	515.7	383.2	244.4	118.4	31.9	0.0
0°	666.8	516.3	383.7	244.8	118.6	31.9	0.0
-2.5°	665.9	515.7	383.2	244.4	118.4	31.9	0.0
-5°	663.3	513.7	381.6	243.4	117.9	31.8	0.0
-7.5°	658.9	510.5	378.9	241.5	117.1	31.6	0.0
-10°	652.8	506.1	375.2	239.0	116.0	31.4	0.0
-12.5°	644.9	500.3	370.4	235.8	114.5	31.1	0.0
-15°	635.3	493.4	364.6	231.8	112.7	30.8	0.0
-17.5°	624.1	485.2	357.7	227.2	110.6	30.4	0.0
-20°	611.2	475.7	349.9	221.8	108.1	30.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	596.6	465.1	341.0	215.8	105.4	29.5	0.0
-25°	580.5	453.3	331.2	209.2	102.3	28.9	0.0
-27.5°	562.8	440.4	320.4	201.8	99.0	28.3	0.0
-30°	543.5	426.3	308.6	193.8	95.3	27.6	0.0
-32.5°	522.8	411.2	296.0	185.2	91.4	26.9	0.0
-35°	502.5	395.0	282.5	176.0	87.2	26.1	0.0
-37.5°	481.8	377.4	268.1	166.2	82.7	25.3	0.0
-40°	459.8	358.4	252.8	155.9	78.0	24.4	0.0
-42.5°	436.8	338.3	237.5	145.0	73.0	23.5	0.0
-45°	412.6	317.2	222.2	133.5	67.7	22.6	0.0
-47.5°	387.4	295.3	206.3	121.6	62.3	21.5	0.0
-50°	360.2	272.4	189.7	112.1	56.6	20.5	0.0
-52.5°	331.8	248.8	172.5	103.3	50.7	19.4	0.0
-55°	302.4	226.2	154.8	94.1	44.6	18.3	0.0
-57.5°	272.2	203.3	136.4	84.7	38.3	17.1	0.0
-60°	241.5	179.8	117.9	75.0	31.9	15.9	0.0
-62.5°	212.7	155.7	104.7	65.0	29.4	14.7	0.0
-65°	183.2	131.1	91.2	54.9	26.9	13.5	0.0
-67.5°	153.1	110.0	77.3	44.5	24.4	12.2	0.0
-70°	122.6	92.4	63.3	33.9	21.8	10.9	0.0
-72.5°	100.0	74.6	49.0	28.7	19.2	9.6	0.0
-75°	78.4	56.6	34.5	24.7	16.5	8.3	0.0
-77.5°	56.6	38.3	27.5	20.7	13.8	6.9	0.0
-80°	34.5	27.5	22.0	16.6	11.1	5.5	0.0
-82.5°	24.7	20.7	16.6	12.5	8.3	4.2	0.0
-85°	16.5	13.8	11.1	8.3	5.6	2.8	0.0
-87.5°	8.3	6.9	5.5	4.2	2.8	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)