

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: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4C-730-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

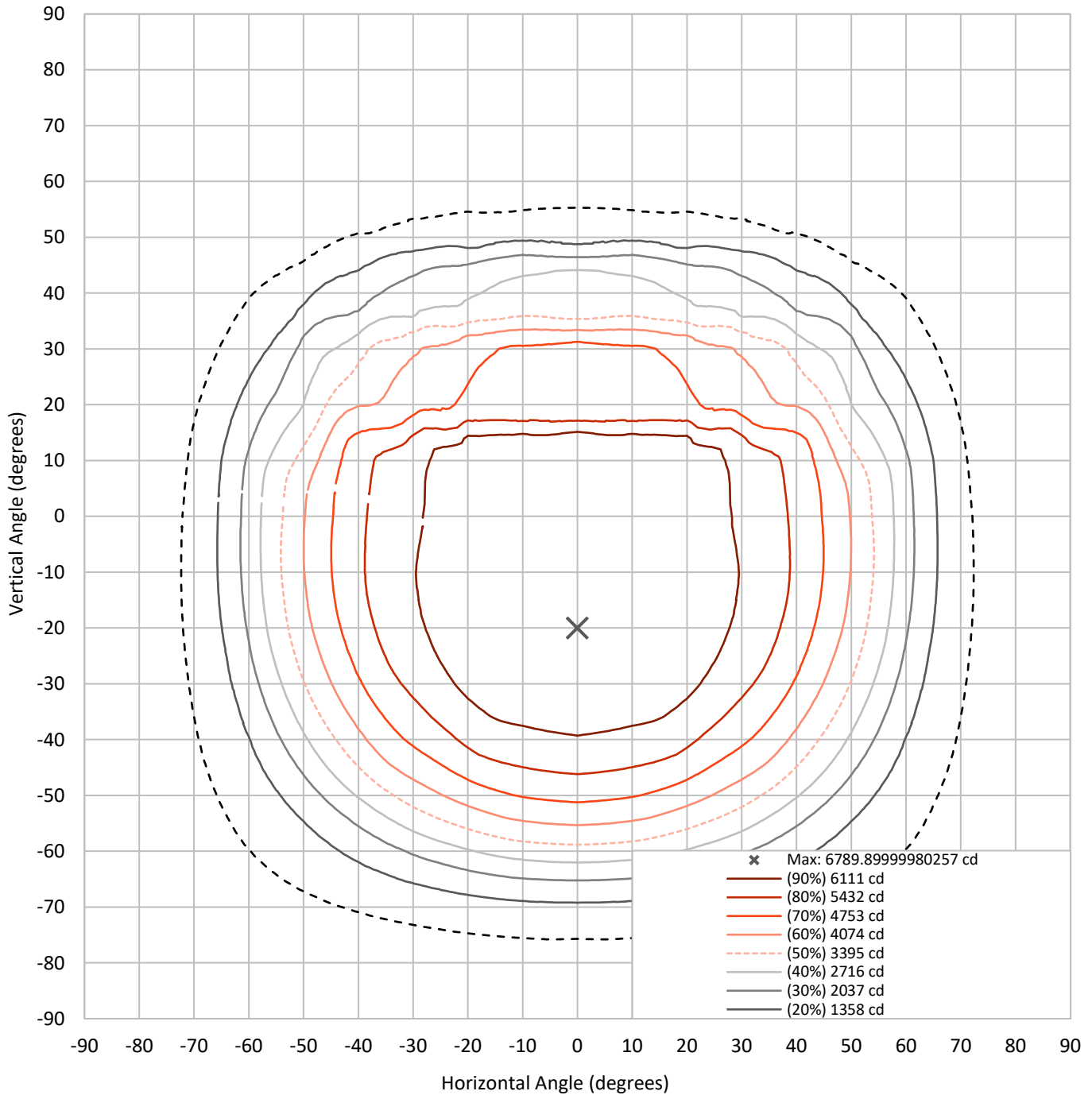
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	15921 lumens	Max Intensity:	6789.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	94.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	12446.2 lumens	Field Lumens:	15604.9 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	168.2		
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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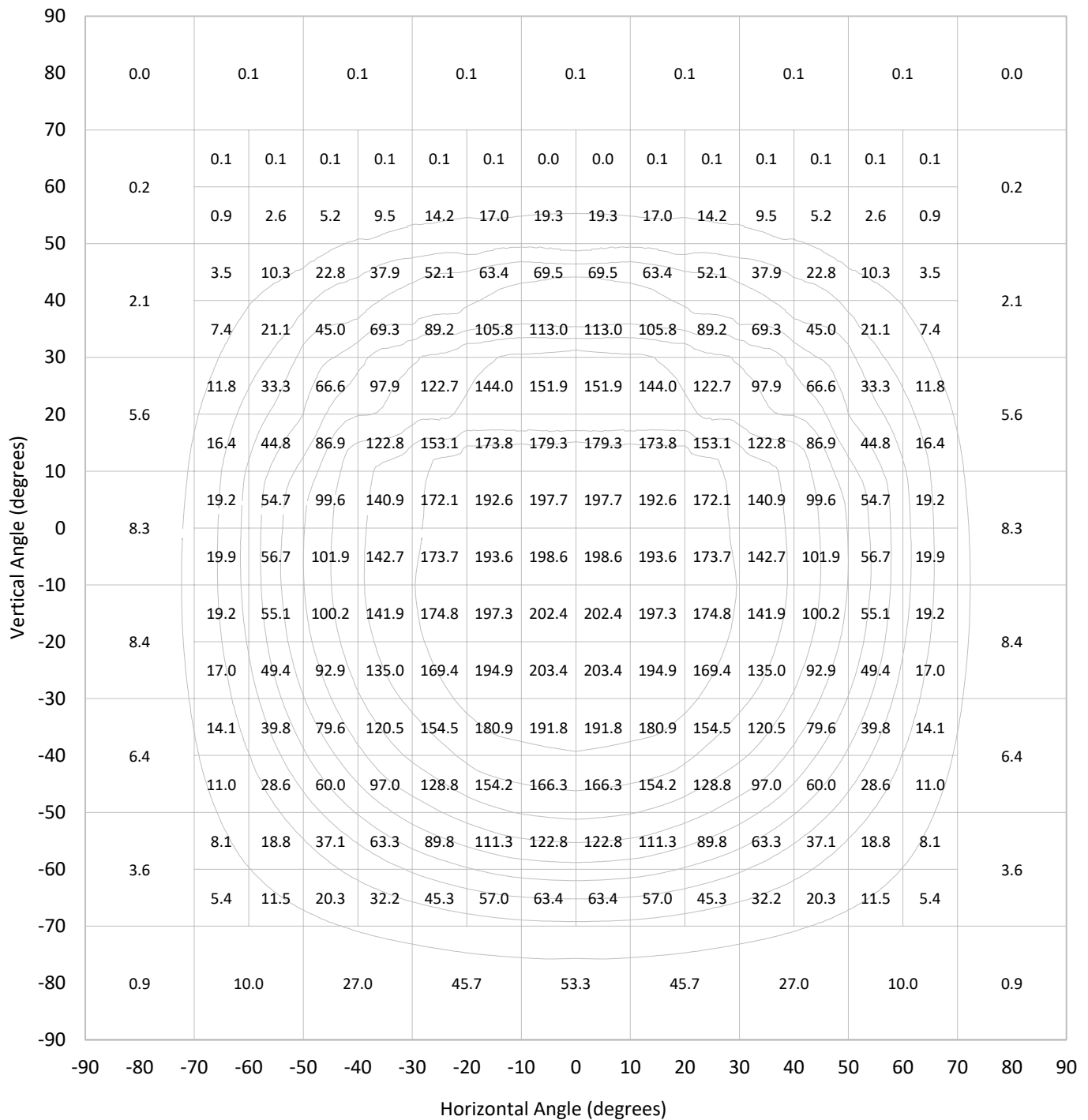
### Iso-Candela Plot





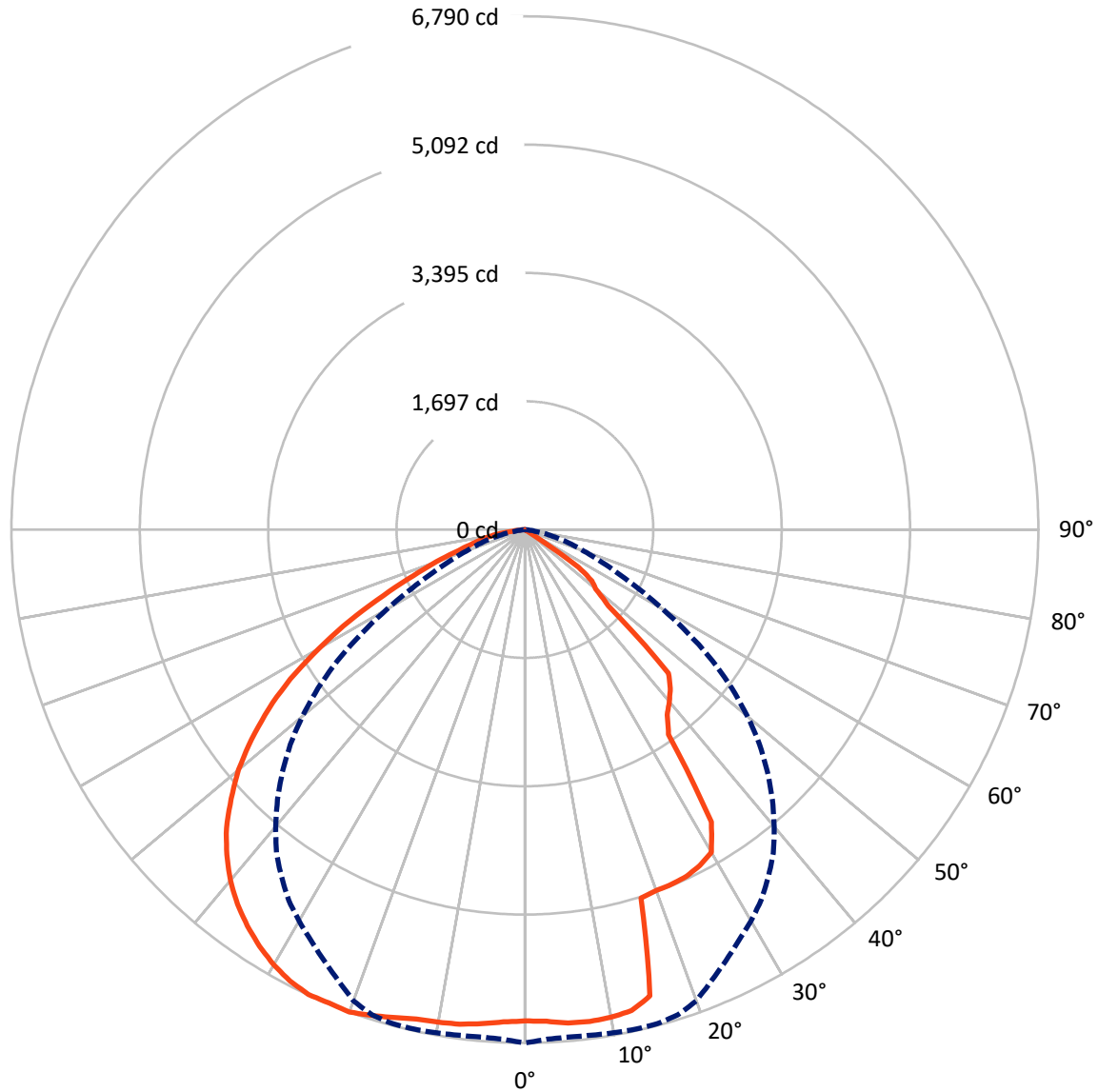
REPORT NUMBER: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table



REPORT NUMBER: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-XX

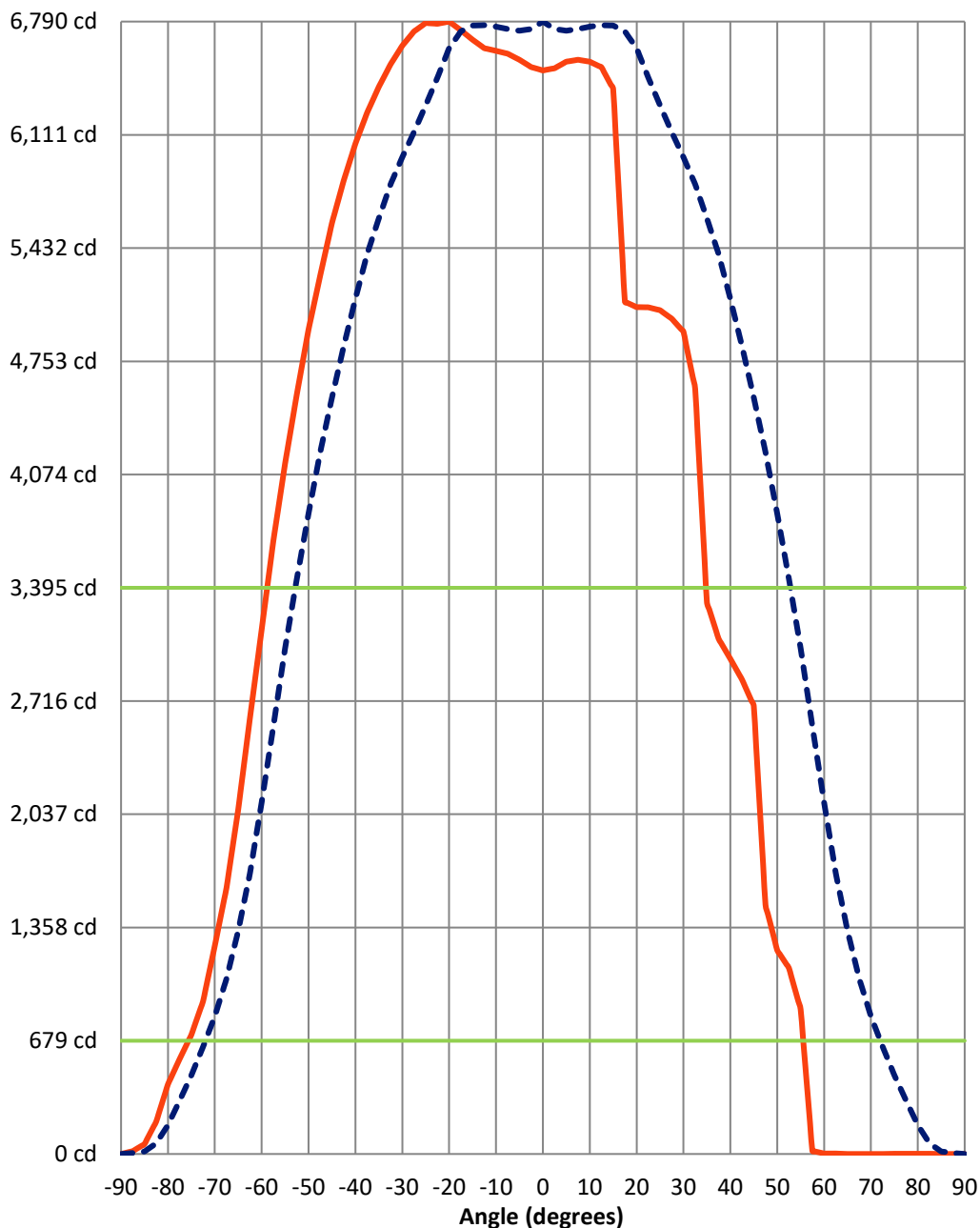
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through -20-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 12446.2  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 15604.9  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 316.1  
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through -20-Deg



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.4	0.5	0.6	0.8	0.8	0.7	0.7	0.6
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.5	1.5	1.4	1.2
82.5°	0.0	0.5	0.8	1.1	1.5	1.9	2.2	2.3	2.2	1.8	1.4
80°	0.0	0.6	1.0	1.5	2.0	2.5	2.9	2.6	2.2	1.8	1.5
77.5°	0.0	0.8	1.3	1.9	2.5	2.9	2.9	2.6	2.2	1.8	1.5
75°	0.0	0.9	1.5	2.2	2.9	3.0	2.9	2.6	2.2	1.9	1.5
72.5°	0.0	1.1	1.8	2.6	3.1	3.1	3.0	2.6	2.3	1.9	1.6
70°	0.0	1.2	2.0	2.9	3.2	3.2	3.1	2.7	2.3	2.0	2.3
67.5°	0.0	1.4	2.3	3.1	3.3	3.3	3.4	2.7	2.4	3.2	3.3
65°	0.0	1.5	2.6	3.2	3.5	3.8	3.9	2.8	3.8	4.5	5.7
62.5°	0.0	1.7	2.8	3.3	3.6	4.8	4.5	3.9	5.4	7.9	12.6
60°	0.0	1.8	3.1	3.5	3.8	5.8	5.4	5.5	7.0	20.1	21.9
57.5°	0.0	2.0	3.2	3.6	4.9	7.0	9.9	7.7	19.7	34.2	39.7
55°	0.0	2.1	3.4	3.8	6.1	8.2	15.8	12.5	36.5	52.7	64.3
52.5°	0.0	2.3	3.6	3.9	7.4	10.5	22.7	31.8	54.9	82.8	93.2
50°	0.0	2.4	3.7	4.1	8.7	18.0	30.6	53.6	78.5	116.2	145.7
47.5°	0.0	2.6	3.9	4.5	10.1	26.0	41.1	76.6	113.1	153.0	199.3
45°	0.0	2.7	4.1	5.6	11.5	34.6	62.0	100.6	151.8	199.5	251.3
42.5°	0.0	2.8	4.2	6.7	13.0	43.7	83.5	131.1	191.2	244.7	311.3
40°	0.0	2.9	4.4	8.1	17.5	53.4	105.4	165.7	231.8	289.1	375.5
37.5°	0.0	3.1	4.6	9.8	25.1	63.6	127.7	200.4	274.4	342.4	442.6
35°	0.0	3.2	4.8	11.8	32.8	79.0	150.3	235.2	317.6	407.8	521.8
32.5°	0.0	3.3	5.0	13.9	40.6	96.8	174.9	269.8	361.4	473.7	618.2
30°	0.0	3.4	5.2	16.2	48.4	114.6	203.0	304.7	405.6	539.7	710.7
27.5°	0.0	3.5	5.4	18.6	58.1	132.1	230.6	341.0	454.1	605.5	799.0
25°	0.0	3.6	5.5	21.2	68.0	149.3	257.4	377.0	508.9	677.5	883.3
22.5°	0.0	3.7	5.7	23.9	77.9	166.9	283.6	412.4	562.5	749.4	968.6
20°	0.0	3.8	5.9	26.7	87.7	185.8	308.8	447.0	614.8	817.3	1051.8
17.5°	0.0	3.9	6.1	29.5	97.4	204.0	333.7	480.7	665.4	881.0	1132.4
15°	0.0	4.0	6.3	32.3	106.8	221.6	357.7	512.0	714.1	940.4	1209.9
12.5°	0.0	4.1	6.4	35.2	115.9	238.3	380.1	539.9	752.9	995.4	1283.5
10°	0.0	4.1	6.6	37.9	124.6	254.1	401.0	565.6	781.8	1028.4	1343.6
7.5°	0.0	4.2	6.8	40.6	132.8	268.9	420.1	589.0	806.4	1053.9	1378.6
5°	0.0	4.2	6.9	43.2	140.4	282.5	437.5	610.1	827.0	1074.6	1407.1
2.5°	0.0	4.3	7.1	45.6	147.4	294.9	453.0	628.8	843.6	1090.4	1428.8
0°	0.0	4.3	7.2	47.8	153.7	305.9	466.8	645.1	856.7	1101.7	1443.8
-2.5°	0.0	4.5	8.3	50.9	159.5	312.9	473.6	654.6	861.4	1115.9	1453.5
-5°	0.0	4.8	9.4	53.8	164.5	318.4	478.6	661.5	863.0	1125.1	1456.6
-7.5°	0.0	5.0	10.5	56.3	168.6	322.3	481.8	665.9	861.8	1128.9	1453.4
-10°	0.0	5.2	11.6	58.6	171.6	324.9	483.3	667.5	858.1	1126.7	1444.1
-12.5°	0.0	5.4	12.6	60.4	173.7	325.9	483.0	666.4	852.2	1117.6	1428.3
-15°	0.0	5.6	13.5	61.9	174.7	325.4	481.1	662.5	845.5	1099.9	1405.3
-17.5°	0.0	5.8	14.4	63.0	174.5	323.4	477.6	654.5	837.2	1077.7	1375.4
-20°	0.0	5.9	15.2	63.7	173.3	320.0	472.1	643.1	825.5	1051.3	1338.5

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.0	15.9	63.8	170.8	315.1	464.2	629.4	810.3	1020.9	1294.7
-25°	0.0	6.1	16.6	63.6	167.2	307.5	454.5	613.5	791.5	986.7	1243.9
-27.5°	0.0	6.2	17.1	62.8	162.3	298.1	442.9	595.5	769.0	953.5	1199.0
-30°	0.0	6.2	17.5	61.5	156.2	287.4	429.6	575.3	744.5	925.5	1151.0
-32.5°	0.0	6.3	17.9	59.7	149.1	275.4	414.4	556.7	718.5	893.0	1099.7
-35°	0.0	6.2	18.1	57.3	141.2	262.1	398.0	537.1	690.3	856.3	1045.2
-37.5°	0.0	6.2	18.3	54.5	132.5	248.8	380.4	515.4	660.2	815.2	991.4
-40°	0.0	6.2	18.3	51.1	123.0	236.7	361.4	491.6	628.1	776.5	938.2
-42.5°	0.0	6.1	18.2	47.4	115.8	223.7	341.2	465.9	597.1	735.5	881.0
-45°	0.0	5.9	18.0	43.7	110.9	210.0	319.6	439.3	565.4	691.8	821.8
-47.5°	0.0	5.8	17.6	39.4	105.2	195.4	296.8	412.7	531.4	645.9	770.5
-50°	0.0	5.6	17.2	38.0	98.5	180.1	277.8	384.8	493.8	603.9	716.8
-52.5°	0.0	5.4	16.6	37.3	91.0	164.0	258.7	355.7	457.9	560.6	661.7
-55°	0.0	5.2	16.0	36.1	82.7	151.8	238.9	326.2	421.9	516.1	612.8
-57.5°	0.0	4.9	15.2	34.5	73.5	139.5	218.3	302.7	384.6	473.4	562.8
-60°	0.0	4.7	14.3	32.6	64.0	126.0	197.4	276.8	347.3	430.4	512.9
-62.5°	0.0	4.4	13.5	30.3	59.4	111.4	178.4	248.6	312.8	386.1	464.0
-65°	0.0	4.0	12.5	27.6	54.2	95.9	158.0	219.3	276.2	341.6	413.9
-67.5°	0.0	3.7	11.5	24.6	48.5	82.9	136.2	190.2	237.7	295.2	359.9
-70°	0.0	3.3	10.4	21.4	42.1	72.5	113.4	160.5	203.2	246.7	302.3
-72.5°	0.0	3.0	9.2	18.8	35.3	61.4	95.9	130.1	168.1	206.6	245.5
-75°	0.0	2.6	8.0	16.4	28.1	49.6	78.4	104.8	132.3	165.9	199.9
-77.5°	0.0	2.2	6.8	13.8	23.2	37.2	60.0	81.0	102.9	126.5	153.5
-80°	0.0	1.7	5.5	11.1	18.8	28.3	40.9	56.8	73.6	92.0	111.6
-82.5°	0.0	1.3	4.1	8.4	14.2	21.4	30.1	36.4	44.0	56.9	70.8
-85°	0.0	0.9	2.8	5.6	9.5	14.4	20.2	24.3	28.7	33.2	37.9
-87.5°	0.0	0.4	1.4	2.8	4.8	7.2	10.1	12.2	14.4	16.6	19.0
-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: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-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°	0.6	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1
85°	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.6	1.8	1.8	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	2.3	2.3	2.0	1.6	1.4	1.5	1.6	1.6	1.4	1.4	1.4
67.5°	2.8	2.4	2.1	2.0	2.0	2.2	2.1	1.7	1.4	1.4	1.4
65°	2.9	2.5	3.6	4.1	3.0	2.6	2.2	1.8	1.9	2.0	2.1
62.5°	4.3	5.4	6.9	12.2	9.2	2.7	4.8	5.6	4.1	3.4	3.7
60°	14.1	9.6	28.5	40.9	25.6	9.3	11.4	37.9	32.8	6.1	20.5
57.5°	29.7	40.8	75.2	76.6	53.0	36.6	106.3	122.8	93.0	54.2	82.9
55°	65.5	100.7	124.7	115.5	126.1	191.0	226.9	203.9	171.6	264.0	337.3
52.5°	128.0	163.9	172.0	197.6	282.8	324.9	311.3	333.0	431.8	536.3	558.9
50°	189.0	218.3	241.2	348.8	415.5	419.7	450.7	548.6	680.4	744.3	728.9
47.5°	247.9	278.3	384.9	488.3	518.3	559.3	636.7	825.7	965.3	968.0	952.2
45°	310.3	391.5	527.5	594.9	643.5	722.9	909.9	1170.5	1184.1	1221.9	1454.9
42.5°	376.9	519.2	637.9	708.1	786.5	934.6	1184.2	1355.2	1414.0	1579.8	1767.2
40°	484.9	642.6	746.3	835.9	936.9	1153.0	1426.3	1586.6	1634.3	1777.9	1918.7
37.5°	594.4	745.7	861.9	970.0	1109.9	1401.6	1717.9	1850.0	1874.1	1900.4	2212.5
35°	699.9	851.4	990.5	1131.9	1303.5	1723.5	1999.8	2124.1	2120.3	2297.4	2624.2
32.5°	798.6	959.4	1123.6	1312.8	1596.0	2026.2	2302.6	2377.0	2489.9	2747.7	3193.7
30°	897.1	1079.9	1268.4	1493.8	1852.6	2225.4	2541.0	2660.8	2854.1	3148.3	3473.0
27.5°	998.5	1203.5	1431.4	1695.6	2055.1	2397.8	2667.4	2953.4	3141.2	3404.9	3635.9
25°	1099.6	1334.3	1592.4	1872.0	2199.8	2519.3	2798.1	3128.4	3330.1	3542.7	3758.1
22.5°	1205.5	1466.9	1758.4	2011.7	2321.9	2622.5	2954.5	3312.7	3575.0	3710.1	3854.7
20°	1316.3	1610.4	1921.3	2201.9	2442.3	2718.4	3111.5	3546.7	3885.3	4037.3	4057.2
17.5°	1425.5	1749.4	2083.6	2387.5	2646.8	2892.6	3276.3	3827.1	4248.1	4389.4	4452.3
15°	1531.9	1883.1	2245.2	2568.1	2852.7	3153.3	3563.1	4123.2	4604.5	4760.9	4859.8
12.5°	1634.7	2010.7	2404.1	2742.7	3058.9	3396.0	3823.5	4336.2	4775.5	5078.0	5259.5
10°	1732.6	2131.0	2558.3	2910.4	3262.6	3621.0	4039.0	4494.9	4852.5	5144.3	5401.9
7.5°	1782.0	2209.7	2690.8	3069.9	3461.2	3829.1	4215.4	4606.8	4908.0	5194.2	5443.2
5°	1815.6	2242.1	2732.2	3125.5	3566.8	3967.9	4342.9	4680.3	4944.2	5227.9	5471.1
2.5°	1839.5	2263.0	2760.2	3155.9	3606.5	4010.5	4379.7	4704.8	4974.0	5251.9	5501.0
0°	1854.0	2273.0	2774.5	3174.6	3631.3	4038.6	4401.0	4714.1	4993.9	5263.5	5531.7
-2.5°	1862.2	2303.4	2784.0	3222.7	3655.2	4062.8	4430.9	4736.5	5028.9	5285.4	5554.3
-5°	1861.2	2321.5	2781.6	3255.1	3666.7	4072.3	4445.8	4746.6	5047.8	5301.8	5563.5
-7.5°	1851.1	2325.7	2769.0	3265.2	3667.2	4069.1	4439.3	4751.5	5047.5	5316.9	5564.3
-10°	1833.1	2309.3	2757.4	3239.0	3653.1	4052.6	4419.2	4740.8	5035.7	5313.9	5559.5
-12.5°	1811.8	2275.4	2733.2	3201.3	3624.5	4021.7	4388.8	4713.7	5013.7	5291.1	5548.4
-15°	1779.9	2230.3	2693.5	3153.4	3581.0	3976.9	4349.3	4669.4	4979.7	5251.3	5515.5
-17.5°	1737.1	2174.4	2637.6	3096.5	3522.5	3918.4	4298.6	4610.9	4919.7	5200.4	5455.3
-20°	1683.1	2108.3	2565.1	3031.9	3448.0	3839.8	4208.2	4535.2	4842.0	5127.5	5395.4



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 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1617.8	2032.1	2477.7	2944.7	3355.2	3742.5	4106.5	4438.8	4756.7	5032.9	5318.3
-25°	1552.5	1951.7	2381.0	2824.0	3247.3	3633.0	3998.1	4321.8	4646.8	4934.0	5205.2
-27.5°	1489.9	1858.4	2268.9	2691.1	3125.1	3509.0	3870.8	4194.7	4510.2	4824.2	5085.3
-30°	1419.6	1750.5	2145.9	2549.2	2972.3	3363.1	3727.6	4063.8	4364.0	4674.1	4954.4
-32.5°	1342.0	1636.0	2016.1	2404.0	2803.0	3202.4	3563.5	3897.4	4209.8	4503.1	4797.3
-35°	1266.2	1543.6	1878.5	2248.2	2623.6	3015.5	3376.8	3707.5	4031.6	4322.2	4603.4
-37.5°	1197.9	1443.4	1732.3	2085.4	2444.2	2814.8	3182.3	3502.5	3810.9	4130.4	4404.6
-40°	1124.1	1335.9	1605.6	1917.7	2255.9	2608.4	2960.2	3291.4	3581.4	3897.1	4198.6
-42.5°	1046.8	1248.3	1480.6	1740.3	2059.5	2391.8	2731.5	3055.4	3356.5	3654.4	3953.2
-45°	979.1	1155.6	1353.5	1590.7	1850.6	2163.2	2484.8	2807.7	3096.6	3380.5	3675.6
-47.5°	907.1	1062.5	1245.4	1434.9	1660.8	1922.2	2224.6	2522.4	2818.2	3088.3	3349.4
-50°	835.4	978.6	1128.9	1299.5	1485.9	1697.8	1949.0	2225.9	2496.0	2773.3	3032.0
-52.5°	773.6	890.4	1026.2	1168.6	1328.1	1503.4	1704.7	1932.1	2177.8	2413.2	2671.2
-55°	709.4	814.8	924.4	1049.7	1182.5	1330.4	1495.4	1686.6	1874.1	2091.7	2302.4
-57.5°	651.0	739.7	833.3	936.8	1052.1	1170.5	1314.7	1463.4	1633.5	1802.7	1969.5
-60°	595.8	668.4	747.7	835.4	928.1	1033.4	1141.1	1268.7	1405.8	1540.8	1682.3
-62.5°	540.2	601.3	665.9	738.7	819.6	899.2	991.1	1089.5	1190.3	1304.7	1416.4
-65°	483.1	532.4	587.3	647.6	712.1	779.9	850.5	923.4	1009.2	1093.0	1174.2
-67.5°	422.4	464.6	509.0	556.5	610.6	663.9	717.0	778.6	841.7	903.8	968.1
-70°	355.1	394.9	431.9	470.4	510.7	552.4	597.8	642.9	687.5	734.0	785.6
-72.5°	286.7	323.3	355.8	384.3	417.3	452.0	485.2	516.9	550.5	585.8	620.8
-75°	228.6	252.8	281.9	308.4	334.7	359.1	381.0	407.8	435.9	461.6	482.7
-77.5°	178.5	200.4	220.3	238.1	259.0	283.5	304.8	323.1	340.9	360.3	380.9
-80°	129.8	148.1	166.2	182.6	194.7	208.5	224.9	243.5	259.8	273.0	285.0
-82.5°	83.8	97.0	110.5	124.2	129.8	133.6	137.1	143.7	153.7	163.6	173.1
-85°	41.8	45.6	53.8	62.3	65.2	67.2	68.6	69.4	72.8	75.9	78.6
-87.5°	20.9	22.8	24.7	26.6	25.6	24.3	22.6	20.5	20.0	19.4	18.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-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°	1.1	1.2	1.2	1.2	1.3	1.0	0.7	0.3	0.0	0.0	0.0
85°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.0	0.7
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.2	0.9
65°	2.0	1.9	2.1	2.0	1.7	1.7	1.8	1.7	1.5	1.2	0.8
62.5°	3.6	4.1	3.2	3.2	3.1	3.1	2.9	2.7	2.6	2.4	2.5
60°	22.7	13.4	7.8	9.1	8.2	5.4	6.9	8.2	8.2	7.5	6.6
57.5°	126.0	94.1	69.7	166.3	166.8	79.7	95.9	150.8	124.2	40.8	37.9
55°	350.5	419.2	551.7	524.1	532.6	612.6	668.9	592.2	580.5	618.6	714.6
52.5°	629.7	695.2	739.8	781.5	832.3	886.8	943.0	978.8	1012.2	1047.8	1069.0
50°	804.2	896.5	959.9	936.5	1067.9	1121.6	1067.1	1115.9	1175.4	1191.6	1199.3
47.5°	1187.4	1322.8	1349.7	1436.9	1515.3	1513.6	1447.1	1450.9	1628.0	1784.2	1861.0
45°	1706.5	1711.1	1796.2	1950.2	2060.3	2025.7	2118.6	2329.8	2400.1	2468.1	2523.9
42.5°	1908.7	1992.5	2128.3	2264.5	2346.6	2417.8	2486.6	2564.2	2655.5	2729.6	2788.8
40°	2104.5	2172.0	2311.1	2420.8	2488.8	2555.3	2635.4	2721.4	2804.9	2870.0	2914.4
37.5°	2405.9	2458.3	2492.1	2593.9	2722.5	2663.2	2815.2	2924.3	2974.1	3040.2	3046.1
35°	2861.9	2827.0	2781.9	3187.2	3211.5	3074.6	3216.8	3385.8	3296.7	3482.3	3582.1
32.5°	3266.1	3260.9	3614.6	3827.7	3705.0	3805.1	4133.0	4118.4	4337.0	4438.4	4409.5
30°	3646.9	3776.8	3981.4	4140.0	4161.3	4319.1	4464.7	4592.3	4724.2	4842.4	4850.6
27.5°	3840.2	4009.8	4148.6	4240.4	4342.9	4475.7	4607.8	4751.5	4863.7	4937.8	4955.9
25°	3957.1	4130.4	4235.5	4334.3	4447.5	4562.0	4710.0	4866.4	4956.5	5002.3	5016.9
22.5°	4060.2	4215.9	4328.9	4409.1	4530.8	4654.1	4792.0	4924.5	5022.4	5042.3	5049.6
20°	4159.5	4309.0	4497.9	4615.9	4610.0	4748.9	4881.8	4987.1	5068.7	5068.3	5070.2
17.5°	4446.6	4500.0	4842.6	5102.7	4974.0	4906.0	5271.5	5278.4	5300.2	5257.0	5163.5
15°	4871.6	4968.9	5389.8	5671.8	5583.0	5578.3	6106.3	5975.3	6088.0	6058.5	6185.4
12.5°	5321.9	5437.0	5751.5	6028.5	6160.4	6192.8	6369.2	6534.4	6568.3	6555.0	6530.0
10°	5628.6	5792.6	5918.9	6087.0	6220.1	6355.8	6458.0	6576.7	6615.5	6593.0	6561.3
7.5°	5668.6	5830.6	5979.0	6126.5	6253.2	6362.6	6468.6	6565.2	6604.7	6591.6	6569.9
5°	5694.0	5840.8	5984.6	6134.2	6255.4	6356.7	6462.4	6560.2	6583.6	6567.9	6546.6
2.5°	5709.7	5845.5	5984.1	6133.1	6243.1	6339.7	6446.6	6551.0	6550.8	6544.0	6531.5
0°	5717.2	5853.5	6014.4	6149.2	6272.4	6363.8	6469.6	6571.1	6563.8	6545.0	6523.2
-2.5°	5733.5	5871.6	6035.8	6147.5	6286.4	6370.1	6479.5	6567.3	6563.9	6554.7	6543.9
-5°	5748.1	5903.3	6057.0	6174.4	6313.7	6423.1	6531.8	6600.5	6604.1	6591.3	6573.1
-7.5°	5756.9	5929.0	6075.6	6193.6	6328.7	6455.9	6566.1	6638.2	6639.8	6622.7	6601.0
-10°	5754.0	5935.7	6086.5	6208.5	6346.8	6472.4	6587.7	6679.1	6676.2	6659.8	6641.3
-12.5°	5743.1	5924.6	6079.5	6201.8	6358.9	6488.2	6617.9	6708.8	6713.7	6701.4	6681.4
-15°	5719.2	5906.6	6057.3	6190.9	6344.8	6496.0	6629.2	6729.6	6747.5	6737.4	6721.6
-17.5°	5672.0	5869.7	6029.6	6173.5	6321.2	6482.3	6633.9	6743.6	6768.1	6764.1	6751.0
-20°	5609.9	5814.0	5976.3	6127.1	6287.9	6453.9	6630.2	6730.5	6766.0	6768.2	6759.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5540.3	5740.1	5912.2	6060.5	6234.9	6402.9	6562.6	6680.0	6739.7	6750.7	6751.5
-25°	5456.8	5662.1	5833.1	5991.1	6153.2	6326.8	6488.1	6619.2	6679.7	6708.5	6717.5
-27.5°	5338.9	5551.1	5719.4	5886.3	6051.2	6230.5	6400.1	6542.6	6591.8	6631.5	6647.4
-30°	5200.7	5410.5	5582.1	5734.7	5923.4	6106.1	6281.2	6405.5	6479.7	6525.2	6550.0
-32.5°	5041.8	5253.6	5433.7	5593.0	5772.4	5955.1	6119.8	6251.0	6353.2	6405.7	6432.2
-35°	4869.5	5085.7	5274.3	5442.1	5611.0	5785.1	5955.8	6093.0	6209.5	6254.6	6287.8
-37.5°	4661.7	4900.2	5093.5	5266.6	5427.1	5590.8	5768.5	5925.4	6038.5	6082.3	6117.3
-40°	4448.5	4679.1	4874.1	5058.7	5217.4	5396.1	5567.3	5731.7	5829.9	5880.9	5920.6
-42.5°	4223.6	4431.9	4617.2	4796.6	4973.2	5157.3	5328.4	5499.2	5584.2	5645.6	5694.3
-45°	3963.9	4157.7	4337.8	4505.7	4687.8	4868.7	5039.9	5190.9	5291.9	5371.9	5434.1
-47.5°	3617.6	3853.7	4034.6	4194.3	4374.8	4549.4	4715.2	4857.2	4968.0	5061.5	5133.8
-50°	3265.9	3492.5	3696.5	3875.9	4043.4	4204.8	4362.7	4501.6	4618.9	4720.3	4793.4
-52.5°	2919.6	3131.9	3334.3	3519.5	3680.5	3832.9	3977.4	4117.1	4240.8	4349.2	4420.0
-55°	2528.3	2748.3	2948.5	3121.1	3282.0	3432.6	3575.2	3707.8	3829.5	3939.9	4007.7
-57.5°	2161.2	2354.2	2540.5	2699.9	2851.7	2995.1	3130.4	3257.2	3374.4	3478.3	3543.7
-60°	1823.8	1964.4	2124.8	2272.0	2406.6	2528.6	2654.8	2773.1	2880.7	2972.0	3033.0
-62.5°	1525.6	1642.1	1757.9	1869.8	1979.0	2088.7	2194.3	2292.4	2382.3	2457.1	2510.5
-65°	1259.8	1353.5	1437.2	1516.6	1592.2	1678.7	1759.0	1834.5	1904.4	1961.7	2002.4
-67.5°	1037.3	1103.2	1161.1	1215.5	1275.1	1336.3	1393.6	1443.5	1486.2	1520.2	1547.0
-70°	836.5	884.9	928.6	972.0	1015.6	1055.3	1093.2	1130.0	1164.9	1193.3	1214.6
-72.5°	655.2	688.2	718.0	751.4	782.7	812.9	839.1	860.3	876.7	892.7	906.7
-75°	499.5	524.4	557.9	586.2	609.6	630.3	649.2	666.1	681.0	694.2	705.8
-77.5°	401.7	422.8	444.2	464.8	484.8	499.7	513.5	527.2	540.8	552.4	562.7
-80°	297.7	313.5	329.9	346.5	363.0	371.2	377.8	383.8	389.2	396.2	402.7
-82.5°	182.0	191.0	200.1	209.4	218.7	221.0	221.8	221.6	220.3	217.8	214.0
-85°	81.0	81.5	81.2	80.3	78.8	75.6	71.6	67.1	62.0	61.2	60.3
-87.5°	17.8	17.4	16.9	16.4	15.8	15.7	15.6	15.5	15.4	15.9	16.4
-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: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	1.3	1.3
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	0.7	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	0.7	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.9	1.2	1.4	1.4
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.2	1.5	1.7
62.5°	2.7	2.8	2.9	2.9	2.9	2.8	2.7	2.5	2.4	2.6	2.7
60°	5.2	3.4	2.9	2.9	2.9	3.4	5.2	6.6	7.5	8.2	8.2
57.5°	32.0	23.9	20.3	18.8	20.3	23.9	32.0	37.9	40.8	124.2	150.8
55°	783.4	823.3	853.1	866.9	853.1	823.3	783.4	714.6	618.6	580.5	592.2
52.5°	1087.7	1105.1	1115.1	1114.7	1115.1	1105.1	1087.7	1069.0	1047.8	1012.2	978.8
50°	1212.4	1220.8	1223.8	1222.0	1223.8	1220.8	1212.4	1199.3	1191.6	1175.4	1115.9
47.5°	1790.9	1635.8	1521.9	1494.5	1521.9	1635.8	1790.9	1861.0	1784.2	1628.0	1450.9
45°	2550.6	2609.4	2667.9	2686.1	2667.9	2609.4	2550.6	2523.9	2468.1	2400.1	2329.8
42.5°	2813.7	2832.9	2843.7	2844.1	2843.7	2832.9	2813.7	2788.8	2729.6	2655.5	2564.2
40°	2939.3	2957.3	2967.8	2968.8	2967.8	2957.3	2939.3	2914.4	2870.0	2804.9	2721.4
37.5°	3053.3	3068.7	3078.8	3089.1	3078.8	3068.7	3053.3	3046.1	3040.2	2974.1	2924.3
35°	3568.6	3451.9	3284.0	3309.4	3284.0	3451.9	3568.6	3582.1	3482.3	3296.7	3385.8
32.5°	4454.7	4503.7	4534.3	4586.5	4534.3	4503.7	4454.7	4409.5	4438.4	4337.0	4118.4
30°	4863.5	4879.8	4904.3	4930.1	4904.3	4879.8	4863.5	4850.6	4842.4	4724.2	4592.3
27.5°	4965.5	4982.3	4997.2	5008.4	4997.2	4982.3	4965.5	4955.9	4937.8	4863.7	4751.5
25°	5018.9	5029.4	5045.2	5059.1	5045.2	5029.4	5018.9	5016.9	5002.3	4956.5	4866.4
22.5°	5045.4	5046.5	5058.9	5076.5	5058.9	5046.5	5045.4	5049.6	5042.3	5022.4	4924.5
20°	5063.6	5053.8	5066.6	5078.0	5066.6	5053.8	5063.6	5070.2	5068.3	5068.7	4987.1
17.5°	5295.4	5163.2	5108.9	5109.9	5108.9	5163.2	5295.4	5163.5	5257.0	5300.2	5278.4
15°	6043.0	6092.6	6282.8	6385.5	6282.8	6092.6	6043.0	6185.4	6058.5	6088.0	5975.3
12.5°	6525.5	6507.8	6485.2	6516.0	6485.2	6507.8	6525.5	6530.0	6555.0	6568.3	6534.4
10°	6547.8	6545.8	6505.5	6549.3	6505.5	6545.8	6547.8	6561.3	6593.0	6615.5	6576.7
7.5°	6534.1	6535.3	6518.2	6560.9	6518.2	6535.3	6534.1	6569.9	6591.6	6604.7	6565.2
5°	6543.2	6513.7	6524.9	6549.3	6524.9	6513.7	6543.2	6546.6	6567.9	6583.6	6560.2
2.5°	6517.8	6514.8	6493.1	6510.2	6493.1	6514.8	6517.8	6531.5	6544.0	6550.8	6551.0
0°	6498.6	6482.6	6482.6	6497.1	6482.6	6482.6	6498.6	6523.2	6545.0	6563.8	6571.1
-2.5°	6532.9	6529.5	6527.4	6517.4	6527.4	6529.5	6532.9	6543.9	6554.7	6563.9	6567.3
-5°	6561.1	6552.5	6528.7	6560.9	6528.7	6552.5	6561.1	6573.1	6591.3	6604.1	6600.5
-7.5°	6591.4	6569.4	6546.8	6597.1	6546.8	6569.4	6591.4	6601.0	6622.7	6639.8	6638.2
-10°	6619.0	6587.2	6565.3	6614.5	6565.3	6587.2	6619.0	6641.3	6659.8	6676.2	6679.1
-12.5°	6655.6	6618.4	6603.8	6630.5	6603.8	6618.4	6655.6	6681.4	6701.4	6713.7	6708.8
-15°	6694.7	6668.9	6665.5	6681.2	6665.5	6668.9	6694.7	6721.6	6737.4	6747.5	6729.6
-17.5°	6729.0	6710.9	6719.8	6737.8	6719.8	6710.9	6729.0	6751.0	6764.1	6768.1	6743.6
-20°	6745.3	6735.2	6745.3	6789.9	6745.3	6735.2	6745.3	6759.3	6768.2	6766.0	6730.5



REPORT NUMBER: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6743.9	6744.6	6762.3	6776.9	6762.3	6744.6	6743.9	6751.5	6750.7	6739.7	6680.0
-25°	6718.2	6731.7	6752.1	6781.2	6752.1	6731.7	6718.2	6717.5	6708.5	6679.7	6619.2
-27.5°	6656.1	6678.6	6699.9	6730.5	6699.9	6678.6	6656.1	6647.4	6631.5	6591.8	6542.6
-30°	6566.4	6593.2	6612.2	6645.0	6612.2	6593.2	6566.4	6550.0	6525.2	6479.7	6405.5
-32.5°	6457.2	6487.5	6510.0	6533.4	6510.0	6487.5	6457.2	6432.2	6405.7	6353.2	6251.0
-35°	6320.7	6353.3	6377.2	6398.6	6377.2	6353.3	6320.7	6287.8	6254.6	6209.5	6093.0
-37.5°	6156.7	6191.9	6219.0	6243.4	6219.0	6191.9	6156.7	6117.3	6082.3	6038.5	5925.4
-40°	5965.6	6001.8	6030.7	6057.9	6030.7	6001.8	5965.6	5920.6	5880.9	5829.9	5731.7
-42.5°	5742.2	5778.6	5808.6	5836.1	5808.6	5778.6	5742.2	5694.3	5645.6	5584.2	5499.2
-45°	5484.2	5521.7	5553.3	5582.4	5553.3	5521.7	5484.2	5434.1	5371.9	5291.9	5190.9
-47.5°	5187.1	5227.2	5254.3	5267.9	5254.3	5227.2	5187.1	5133.8	5061.5	4968.0	4857.2
-50°	4846.5	4886.6	4919.1	4943.1	4919.1	4886.6	4846.5	4793.4	4720.3	4618.9	4501.6
-52.5°	4471.6	4509.8	4537.8	4554.7	4537.8	4509.8	4471.6	4420.0	4349.2	4240.8	4117.1
-55°	4061.1	4101.1	4127.7	4140.1	4127.7	4101.1	4061.1	4007.7	3939.9	3829.5	3707.8
-57.5°	3595.5	3633.5	3661.7	3677.6	3661.7	3633.5	3595.5	3543.7	3478.3	3374.4	3257.2
-60°	3080.5	3114.5	3135.8	3144.2	3135.8	3114.5	3080.5	3033.0	2972.0	2880.7	2773.1
-62.5°	2553.6	2585.8	2605.8	2613.6	2605.8	2585.8	2553.6	2510.5	2457.1	2382.3	2292.4
-65°	2032.8	2053.0	2064.1	2065.7	2064.1	2053.0	2032.8	2002.4	1961.7	1904.4	1834.5
-67.5°	1568.2	1583.6	1592.9	1596.0	1592.9	1583.6	1568.2	1547.0	1520.2	1486.2	1443.5
-70°	1230.5	1241.1	1247.1	1248.1	1247.1	1241.1	1230.5	1214.6	1193.3	1164.9	1130.0
-72.5°	917.4	925.0	922.3	916.1	922.3	925.0	917.4	906.7	892.7	876.7	860.3
-75°	715.7	724.0	720.6	714.7	720.6	724.0	715.7	705.8	694.2	681.0	666.1
-77.5°	571.7	579.3	575.6	569.7	575.6	579.3	571.7	562.7	552.4	540.8	527.2
-80°	408.3	412.7	415.9	417.5	415.9	412.7	408.3	402.7	396.2	389.2	383.8
-82.5°	209.0	202.9	198.9	194.2	198.9	202.9	209.0	214.0	217.8	220.3	221.6
-85°	59.1	57.7	58.6	59.4	58.6	57.7	59.1	60.3	61.2	62.0	67.1
-87.5°	16.9	17.3	17.4	17.4	17.4	17.3	16.9	16.4	15.9	15.4	15.5
-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: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-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°	0.7	1.0	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0
85°	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7
65°	1.8	1.7	1.7	2.0	2.1	1.9	2.0	2.1	2.0	1.9	1.8
62.5°	2.9	3.1	3.1	3.2	3.2	4.1	3.6	3.7	3.4	4.1	5.6
60°	6.9	5.4	8.2	9.1	7.8	13.4	22.7	20.5	6.1	32.8	37.9
57.5°	95.9	79.7	166.8	166.3	69.7	94.1	126.0	82.9	54.2	93.0	122.8
55°	668.9	612.6	532.6	524.1	551.7	419.2	350.5	337.3	264.0	171.6	203.9
52.5°	943.0	886.8	832.3	781.5	739.8	695.2	629.7	558.9	536.3	431.8	333.0
50°	1067.1	1121.6	1067.9	936.5	959.9	896.5	804.2	728.9	744.3	680.4	548.6
47.5°	1447.1	1513.6	1515.3	1436.9	1349.7	1322.8	1187.4	952.2	968.0	965.3	825.7
45°	2118.6	2025.7	2060.3	1950.2	1796.2	1711.1	1706.5	1454.9	1221.9	1184.1	1170.5
42.5°	2486.6	2417.8	2346.6	2264.5	2128.3	1992.5	1908.7	1767.2	1579.8	1414.0	1355.2
40°	2635.4	2555.3	2488.8	2420.8	2311.1	2172.0	2104.5	1918.7	1777.9	1634.3	1586.6
37.5°	2815.2	2663.2	2722.5	2593.9	2492.1	2458.3	2405.9	2212.5	1900.4	1874.1	1850.0
35°	3216.8	3074.6	3211.5	3187.2	2781.9	2827.0	2861.9	2624.2	2297.4	2120.3	2124.1
32.5°	4133.0	3805.1	3705.0	3827.7	3614.6	3260.9	3266.1	3193.7	2747.7	2489.9	2377.0
30°	4464.7	4319.1	4161.3	4140.0	3981.4	3776.8	3646.9	3473.0	3148.3	2854.1	2660.8
27.5°	4607.8	4475.7	4342.9	4240.4	4148.6	4009.8	3840.2	3635.9	3404.9	3141.2	2953.4
25°	4710.0	4562.0	4447.5	4334.3	4235.5	4130.4	3957.1	3758.1	3542.7	3330.1	3128.4
22.5°	4792.0	4654.1	4530.8	4409.1	4328.9	4215.9	4060.2	3854.7	3710.1	3575.0	3312.7
20°	4881.8	4748.9	4610.0	4615.9	4497.9	4309.0	4159.5	4057.2	4037.3	3885.3	3546.7
17.5°	5271.5	4906.0	4974.0	5102.7	4842.6	4500.0	4446.6	4452.3	4389.4	4248.1	3827.1
15°	6106.3	5578.3	5583.0	5671.8	5389.8	4968.9	4871.6	4859.8	4760.9	4604.5	4123.2
12.5°	6369.2	6192.8	6160.4	6028.5	5751.5	5437.0	5321.9	5259.5	5078.0	4775.5	4336.2
10°	6458.0	6355.8	6220.1	6087.0	5918.9	5792.6	5628.6	5401.9	5144.3	4852.5	4494.9
7.5°	6468.6	6362.6	6253.2	6126.5	5979.0	5830.6	5668.6	5443.2	5194.2	4908.0	4606.8
5°	6462.4	6356.7	6255.4	6134.2	5984.6	5840.8	5694.0	5471.1	5227.9	4944.2	4680.3
2.5°	6446.6	6339.7	6243.1	6133.1	5984.1	5845.5	5709.7	5501.0	5251.9	4974.0	4704.8
0°	6469.6	6363.8	6272.4	6149.2	6014.4	5853.5	5717.2	5531.7	5263.5	4993.9	4714.1
-2.5°	6479.5	6370.1	6286.4	6147.5	6035.8	5871.6	5733.5	5554.3	5285.4	5028.9	4736.5
-5°	6531.8	6423.1	6313.7	6174.4	6057.0	5903.3	5748.1	5563.5	5301.8	5047.8	4746.6
-7.5°	6566.1	6455.9	6328.7	6193.6	6075.6	5929.0	5756.9	5564.3	5316.9	5047.5	4751.5
-10°	6587.7	6472.4	6346.8	6208.5	6086.5	5935.7	5754.0	5559.5	5313.9	5035.7	4740.8
-12.5°	6617.9	6488.2	6358.9	6201.8	6079.5	5924.6	5743.1	5548.4	5291.1	5013.7	4713.7
-15°	6629.2	6496.0	6344.8	6190.9	6057.3	5906.6	5719.2	5515.5	5251.3	4979.7	4669.4
-17.5°	6633.9	6482.3	6321.2	6173.5	6029.6	5869.7	5672.0	5455.3	5200.4	4919.7	4610.9
-20°	6630.2	6453.9	6287.9	6127.1	5976.3	5814.0	5609.9	5395.4	5127.5	4842.0	4535.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6562.6	6402.9	6234.9	6060.5	5912.2	5740.1	5540.3	5318.3	5032.9	4756.7	4438.8
-25°	6488.1	6326.8	6153.2	5991.1	5833.1	5662.1	5456.8	5205.2	4934.0	4646.8	4321.8
-27.5°	6400.1	6230.5	6051.2	5886.3	5719.4	5551.1	5338.9	5085.3	4824.2	4510.2	4194.7
-30°	6281.2	6106.1	5923.4	5734.7	5582.1	5410.5	5200.7	4954.4	4674.1	4364.0	4063.8
-32.5°	6119.8	5955.1	5772.4	5593.0	5433.7	5253.6	5041.8	4797.3	4503.1	4209.8	3897.4
-35°	5955.8	5785.1	5611.0	5442.1	5274.3	5085.7	4869.5	4603.4	4322.2	4031.6	3707.5
-37.5°	5768.5	5590.8	5427.1	5266.6	5093.5	4900.2	4661.7	4404.6	4130.4	3810.9	3502.5
-40°	5567.3	5396.1	5217.4	5058.7	4874.1	4679.1	4448.5	4198.6	3897.1	3581.4	3291.4
-42.5°	5328.4	5157.3	4973.2	4796.6	4617.2	4431.9	4223.6	3953.2	3654.4	3356.5	3055.4
-45°	5039.9	4868.7	4687.8	4505.7	4337.8	4157.7	3963.9	3675.6	3380.5	3096.6	2807.7
-47.5°	4715.2	4549.4	4374.8	4194.3	4034.6	3853.7	3617.6	3349.4	3088.3	2818.2	2522.4
-50°	4362.7	4204.8	4043.4	3875.9	3696.5	3492.5	3265.9	3032.0	2773.3	2496.0	2225.9
-52.5°	3977.4	3832.9	3680.5	3519.5	3334.3	3131.9	2919.6	2671.2	2413.2	2177.8	1932.1
-55°	3575.2	3432.6	3282.0	3121.1	2948.5	2748.3	2528.3	2302.4	2091.7	1874.1	1686.6
-57.5°	3130.4	2995.1	2851.7	2699.9	2540.5	2354.2	2161.2	1969.5	1802.7	1633.5	1463.4
-60°	2654.8	2528.6	2406.6	2272.0	2124.8	1964.4	1823.8	1682.3	1540.8	1405.8	1268.7
-62.5°	2194.3	2088.7	1979.0	1869.8	1757.9	1642.1	1525.6	1416.4	1304.7	1190.3	1089.5
-65°	1759.0	1678.7	1592.2	1516.6	1437.2	1353.5	1259.8	1174.2	1093.0	1009.2	923.4
-67.5°	1393.6	1336.3	1275.1	1215.5	1161.1	1103.2	1037.3	968.1	903.8	841.7	778.6
-70°	1093.2	1055.3	1015.6	972.0	928.6	884.9	836.5	785.6	734.0	687.5	642.9
-72.5°	839.1	812.9	782.7	751.4	718.0	688.2	655.2	620.8	585.8	550.5	516.9
-75°	649.2	630.3	609.6	586.2	557.9	524.4	499.5	482.7	461.6	435.9	407.8
-77.5°	513.5	499.7	484.8	464.8	444.2	422.8	401.7	380.9	360.3	340.9	323.1
-80°	377.8	371.2	363.0	346.5	329.9	313.5	297.7	285.0	273.0	259.8	243.5
-82.5°	221.8	221.0	218.7	209.4	200.1	191.0	182.0	173.1	163.6	153.7	143.7
-85°	71.6	75.6	78.8	80.3	81.2	81.5	81.0	78.6	75.9	72.8	69.4
-87.5°	15.6	15.7	15.8	16.4	16.9	17.4	17.8	18.7	19.4	20.0	20.5
-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: P645467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-LAM-VSR-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°	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.7	0.7	0.8
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.2	1.4	1.5	1.5
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.8	2.2	2.3
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.8	2.2	2.6
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.8	2.2	2.6
75°	1.4	1.4	1.4	1.5	1.5	1.4	1.4	1.5	1.9	2.2	2.6
72.5°	1.4	1.4	1.4	1.6	1.8	1.8	1.6	1.6	1.9	2.3	2.6
70°	1.6	1.5	1.4	1.6	2.0	2.3	2.3	2.3	2.0	2.3	2.7
67.5°	2.1	2.2	2.0	2.0	2.1	2.4	2.8	3.3	3.2	2.4	2.7
65°	2.2	2.6	3.0	4.1	3.6	2.5	2.9	5.7	4.5	3.8	2.8
62.5°	4.8	2.7	9.2	12.2	6.9	5.4	4.3	12.6	7.9	5.4	3.9
60°	11.4	9.3	25.6	40.9	28.5	9.6	14.1	21.9	20.1	7.0	5.5
57.5°	106.3	36.6	53.0	76.6	75.2	40.8	29.7	39.7	34.2	19.7	7.7
55°	226.9	191.0	126.1	115.5	124.7	100.7	65.5	64.3	52.7	36.5	12.5
52.5°	311.3	324.9	282.8	197.6	172.0	163.9	128.0	93.2	82.8	54.9	31.8
50°	450.7	419.7	415.5	348.8	241.2	218.3	189.0	145.7	116.2	78.5	53.6
47.5°	636.7	559.3	518.3	488.3	384.9	278.3	247.9	199.3	153.0	113.1	76.6
45°	909.9	722.9	643.5	594.9	527.5	391.5	310.3	251.3	199.5	151.8	100.6
42.5°	1184.2	934.6	786.5	708.1	637.9	519.2	376.9	311.3	244.7	191.2	131.1
40°	1426.3	1153.0	936.9	835.9	746.3	642.6	484.9	375.5	289.1	231.8	165.7
37.5°	1717.9	1401.6	1109.9	970.0	861.9	745.7	594.4	442.6	342.4	274.4	200.4
35°	1999.8	1723.5	1303.5	1131.9	990.5	851.4	699.9	521.8	407.8	317.6	235.2
32.5°	2302.6	2026.2	1596.0	1312.8	1123.6	959.4	798.6	618.2	473.7	361.4	269.8
30°	2541.0	2225.4	1852.6	1493.8	1268.4	1079.9	897.1	710.7	539.7	405.6	304.7
27.5°	2667.4	2397.8	2055.1	1695.6	1431.4	1203.5	998.5	799.0	605.5	454.1	341.0
25°	2798.1	2519.3	2199.8	1872.0	1592.4	1334.3	1099.6	883.3	677.5	508.9	377.0
22.5°	2954.5	2622.5	2321.9	2011.7	1758.4	1466.9	1205.5	968.6	749.4	562.5	412.4
20°	3111.5	2718.4	2442.3	2201.9	1921.3	1610.4	1316.3	1051.8	817.3	614.8	447.0
17.5°	3276.3	2892.6	2646.8	2387.5	2083.6	1749.4	1425.5	1132.4	881.0	665.4	480.7
15°	3563.1	3153.3	2852.7	2568.1	2245.2	1883.1	1531.9	1209.9	940.4	714.1	512.0
12.5°	3823.5	3396.0	3058.9	2742.7	2404.1	2010.7	1634.7	1283.5	995.4	752.9	539.9
10°	4039.0	3621.0	3262.6	2910.4	2558.3	2131.0	1732.6	1343.6	1028.4	781.8	565.6
7.5°	4215.4	3829.1	3461.2	3069.9	2690.8	2209.7	1782.0	1378.6	1053.9	806.4	589.0
5°	4342.9	3967.9	3566.8	3125.5	2732.2	2242.1	1815.6	1407.1	1074.6	827.0	610.1
2.5°	4379.7	4010.5	3606.5	3155.9	2760.2	2263.0	1839.5	1428.8	1090.4	843.6	628.8
0°	4401.0	4038.6	3631.3	3174.6	2774.5	2273.0	1854.0	1443.8	1101.7	856.7	645.1
-2.5°	4430.9	4062.8	3655.2	3222.7	2784.0	2303.4	1862.2	1453.5	1115.9	861.4	654.6
-5°	4445.8	4072.3	3666.7	3255.1	2781.6	2321.5	1861.2	1456.6	1125.1	863.0	661.5
-7.5°	4439.3	4069.1	3667.2	3265.2	2769.0	2325.7	1851.1	1453.4	1128.9	861.8	665.9
-10°	4419.2	4052.6	3653.1	3239.0	2757.4	2309.3	1833.1	1444.1	1126.7	858.1	667.5
-12.5°	4388.8	4021.7	3624.5	3201.3	2733.2	2275.4	1811.8	1428.3	1117.6	852.2	666.4
-15°	4349.3	3976.9	3581.0	3153.4	2693.5	2230.3	1779.9	1405.3	1099.9	845.5	662.5
-17.5°	4298.6	3918.4	3522.5	3096.5	2637.6	2174.4	1737.1	1375.4	1077.7	837.2	654.5
-20°	4208.2	3839.8	3448.0	3031.9	2565.1	2108.3	1683.1	1338.5	1051.3	825.5	643.1



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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°	4106.5	3742.5	3355.2	2944.7	2477.7	2032.1	1617.8	1294.7	1020.9	810.3	629.4
-25°	3998.1	3633.0	3247.3	2824.0	2381.0	1951.7	1552.5	1243.9	986.7	791.5	613.5
-27.5°	3870.8	3509.0	3125.1	2691.1	2268.9	1858.4	1489.9	1199.0	953.5	769.0	595.5
-30°	3727.6	3363.1	2972.3	2549.2	2145.9	1750.5	1419.6	1151.0	925.5	744.5	575.3
-32.5°	3563.5	3202.4	2803.0	2404.0	2016.1	1636.0	1342.0	1099.7	893.0	718.5	556.7
-35°	3376.8	3015.5	2623.6	2248.2	1878.5	1543.6	1266.2	1045.2	856.3	690.3	537.1
-37.5°	3182.3	2814.8	2444.2	2085.4	1732.3	1443.4	1197.9	991.4	815.2	660.2	515.4
-40°	2960.2	2608.4	2255.9	1917.7	1605.6	1335.9	1124.1	938.2	776.5	628.1	491.6
-42.5°	2731.5	2391.8	2059.5	1740.3	1480.6	1248.3	1046.8	881.0	735.5	597.1	465.9
-45°	2484.8	2163.2	1850.6	1590.7	1353.5	1155.6	979.1	821.8	691.8	565.4	439.3
-47.5°	2224.6	1922.2	1660.8	1434.9	1245.4	1062.5	907.1	770.5	645.9	531.4	412.7
-50°	1949.0	1697.8	1485.9	1299.5	1128.9	978.6	835.4	716.8	603.9	493.8	384.8
-52.5°	1704.7	1503.4	1328.1	1168.6	1026.2	890.4	773.6	661.7	560.6	457.9	355.7
-55°	1495.4	1330.4	1182.5	1049.7	924.4	814.8	709.4	612.8	516.1	421.9	326.2
-57.5°	1314.7	1170.5	1052.1	936.8	833.3	739.7	651.0	562.8	473.4	384.6	302.7
-60°	1141.1	1033.4	928.1	835.4	747.7	668.4	595.8	512.9	430.4	347.3	276.8
-62.5°	991.1	899.2	819.6	738.7	665.9	601.3	540.2	464.0	386.1	312.8	248.6
-65°	850.5	779.9	712.1	647.6	587.3	532.4	483.1	413.9	341.6	276.2	219.3
-67.5°	717.0	663.9	610.6	556.5	509.0	464.6	422.4	359.9	295.2	237.7	190.2
-70°	597.8	552.4	510.7	470.4	431.9	394.9	355.1	302.3	246.7	203.2	160.5
-72.5°	485.2	452.0	417.3	384.3	355.8	323.3	286.7	245.5	206.6	168.1	130.1
-75°	381.0	359.1	334.7	308.4	281.9	252.8	228.6	199.9	165.9	132.3	104.8
-77.5°	304.8	283.5	259.0	238.1	220.3	200.4	178.5	153.5	126.5	102.9	81.0
-80°	224.9	208.5	194.7	182.6	166.2	148.1	129.8	111.6	92.0	73.6	56.8
-82.5°	137.1	133.6	129.8	124.2	110.5	97.0	83.8	70.8	56.9	44.0	36.4
-85°	68.6	67.2	65.2	62.3	53.8	45.6	41.8	37.9	33.2	28.7	24.3
-87.5°	22.6	24.3	25.6	26.6	24.7	22.8	20.9	19.0	16.6	14.4	12.2
-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°	0.8	0.6	0.5	0.4	0.3	0.2	0.0
85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.2	1.9	1.5	1.1	0.8	0.5	0.0
80°	2.9	2.5	2.0	1.5	1.0	0.6	0.0
77.5°	2.9	2.9	2.5	1.9	1.3	0.8	0.0
75°	2.9	3.0	2.9	2.2	1.5	0.9	0.0
72.5°	3.0	3.1	3.1	2.6	1.8	1.1	0.0
70°	3.1	3.2	3.2	2.9	2.0	1.2	0.0
67.5°	3.4	3.3	3.3	3.1	2.3	1.4	0.0
65°	3.9	3.8	3.5	3.2	2.6	1.5	0.0
62.5°	4.5	4.8	3.6	3.3	2.8	1.7	0.0
60°	5.4	5.8	3.8	3.5	3.1	1.8	0.0
57.5°	9.9	7.0	4.9	3.6	3.2	2.0	0.0
55°	15.8	8.2	6.1	3.8	3.4	2.1	0.0
52.5°	22.7	10.5	7.4	3.9	3.6	2.3	0.0
50°	30.6	18.0	8.7	4.1	3.7	2.4	0.0
47.5°	41.1	26.0	10.1	4.5	3.9	2.6	0.0
45°	62.0	34.6	11.5	5.6	4.1	2.7	0.0
42.5°	83.5	43.7	13.0	6.7	4.2	2.8	0.0
40°	105.4	53.4	17.5	8.1	4.4	2.9	0.0
37.5°	127.7	63.6	25.1	9.8	4.6	3.1	0.0
35°	150.3	79.0	32.8	11.8	4.8	3.2	0.0
32.5°	174.9	96.8	40.6	13.9	5.0	3.3	0.0
30°	203.0	114.6	48.4	16.2	5.2	3.4	0.0
27.5°	230.6	132.1	58.1	18.6	5.4	3.5	0.0
25°	257.4	149.3	68.0	21.2	5.5	3.6	0.0
22.5°	283.6	166.9	77.9	23.9	5.7	3.7	0.0
20°	308.8	185.8	87.7	26.7	5.9	3.8	0.0
17.5°	333.7	204.0	97.4	29.5	6.1	3.9	0.0
15°	357.7	221.6	106.8	32.3	6.3	4.0	0.0
12.5°	380.1	238.3	115.9	35.2	6.4	4.1	0.0
10°	401.0	254.1	124.6	37.9	6.6	4.1	0.0
7.5°	420.1	268.9	132.8	40.6	6.8	4.2	0.0
5°	437.5	282.5	140.4	43.2	6.9	4.2	0.0
2.5°	453.0	294.9	147.4	45.6	7.1	4.3	0.0
0°	466.8	305.9	153.7	47.8	7.2	4.3	0.0
-2.5°	473.6	312.9	159.5	50.9	8.3	4.5	0.0
-5°	478.6	318.4	164.5	53.8	9.4	4.8	0.0
-7.5°	481.8	322.3	168.6	56.3	10.5	5.0	0.0
-10°	483.3	324.9	171.6	58.6	11.6	5.2	0.0
-12.5°	483.0	325.9	173.7	60.4	12.6	5.4	0.0
-15°	481.1	325.4	174.7	61.9	13.5	5.6	0.0
-17.5°	477.6	323.4	174.5	63.0	14.4	5.8	0.0
-20°	472.1	320.0	173.3	63.7	15.2	5.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	464.2	315.1	170.8	63.8	15.9	6.0	0.0
-25°	454.5	307.5	167.2	63.6	16.6	6.1	0.0
-27.5°	442.9	298.1	162.3	62.8	17.1	6.2	0.0
-30°	429.6	287.4	156.2	61.5	17.5	6.2	0.0
-32.5°	414.4	275.4	149.1	59.7	17.9	6.3	0.0
-35°	398.0	262.1	141.2	57.3	18.1	6.2	0.0
-37.5°	380.4	248.8	132.5	54.5	18.3	6.2	0.0
-40°	361.4	236.7	123.0	51.1	18.3	6.2	0.0
-42.5°	341.2	223.7	115.8	47.4	18.2	6.1	0.0
-45°	319.6	210.0	110.9	43.7	18.0	5.9	0.0
-47.5°	296.8	195.4	105.2	39.4	17.6	5.8	0.0
-50°	277.8	180.1	98.5	38.0	17.2	5.6	0.0
-52.5°	258.7	164.0	91.0	37.3	16.6	5.4	0.0
-55°	238.9	151.8	82.7	36.1	16.0	5.2	0.0
-57.5°	218.3	139.5	73.5	34.5	15.2	4.9	0.0
-60°	197.4	126.0	64.0	32.6	14.3	4.7	0.0
-62.5°	178.4	111.4	59.4	30.3	13.5	4.4	0.0
-65°	158.0	95.9	54.2	27.6	12.5	4.0	0.0
-67.5°	136.2	82.9	48.5	24.6	11.5	3.7	0.0
-70°	113.4	72.5	42.1	21.4	10.4	3.3	0.0
-72.5°	95.9	61.4	35.3	18.8	9.2	3.0	0.0
-75°	78.4	49.6	28.1	16.4	8.0	2.6	0.0
-77.5°	60.0	37.2	23.2	13.8	6.8	2.2	0.0
-80°	40.9	28.3	18.8	11.1	5.5	1.7	0.0
-82.5°	30.1	21.4	14.2	8.4	4.1	1.3	0.0
-85°	20.2	14.4	9.5	5.6	2.8	0.9	0.0
-87.5°	10.1	7.2	4.8	2.8	1.4	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)