

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: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645461 (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-SA4B-750-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (64) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

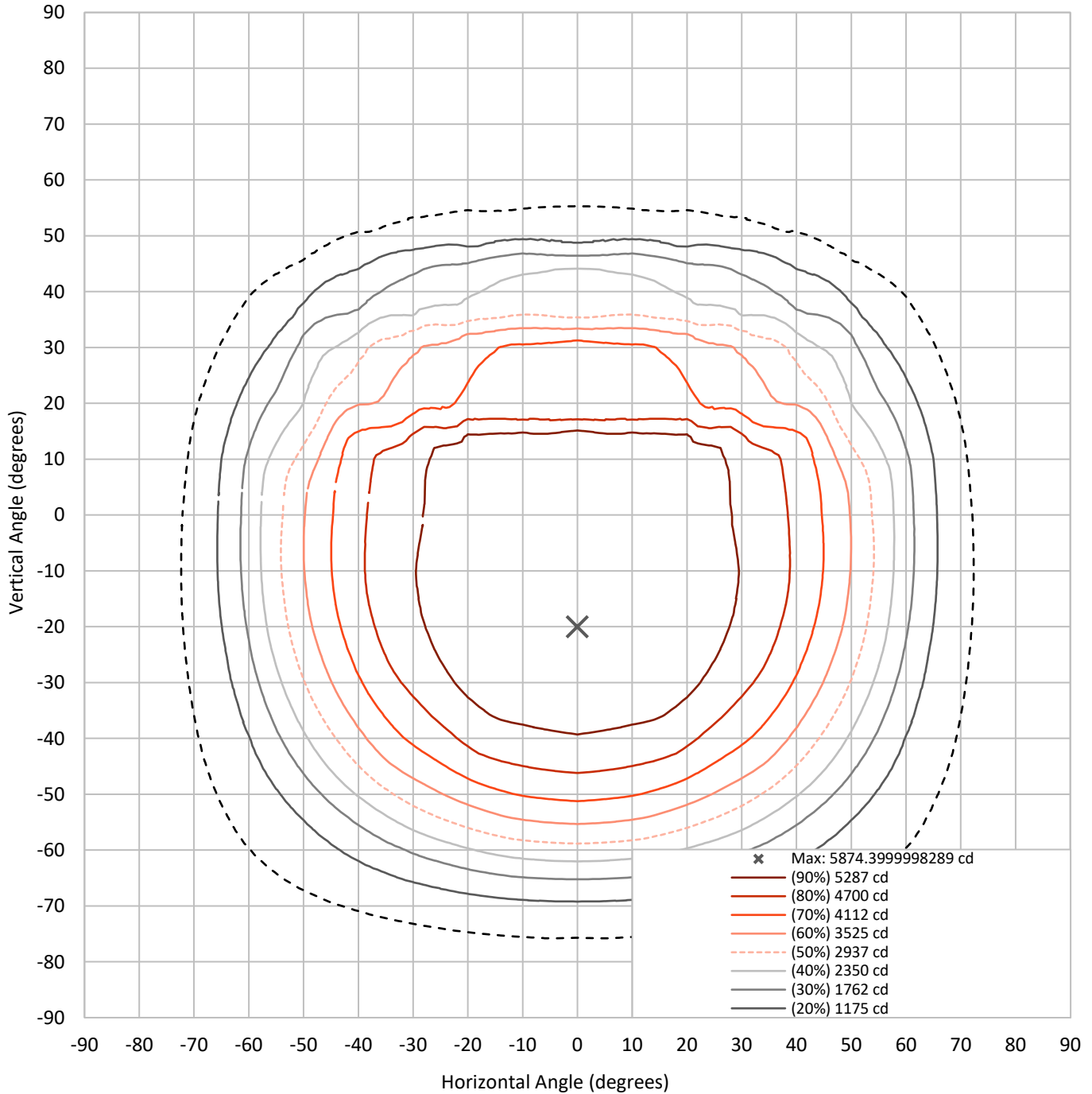
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	13774.3 lumens	Max Intensity:	5874.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	106.4 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:	10767.9 lumens	Field Lumens:	13500.7 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	129.5		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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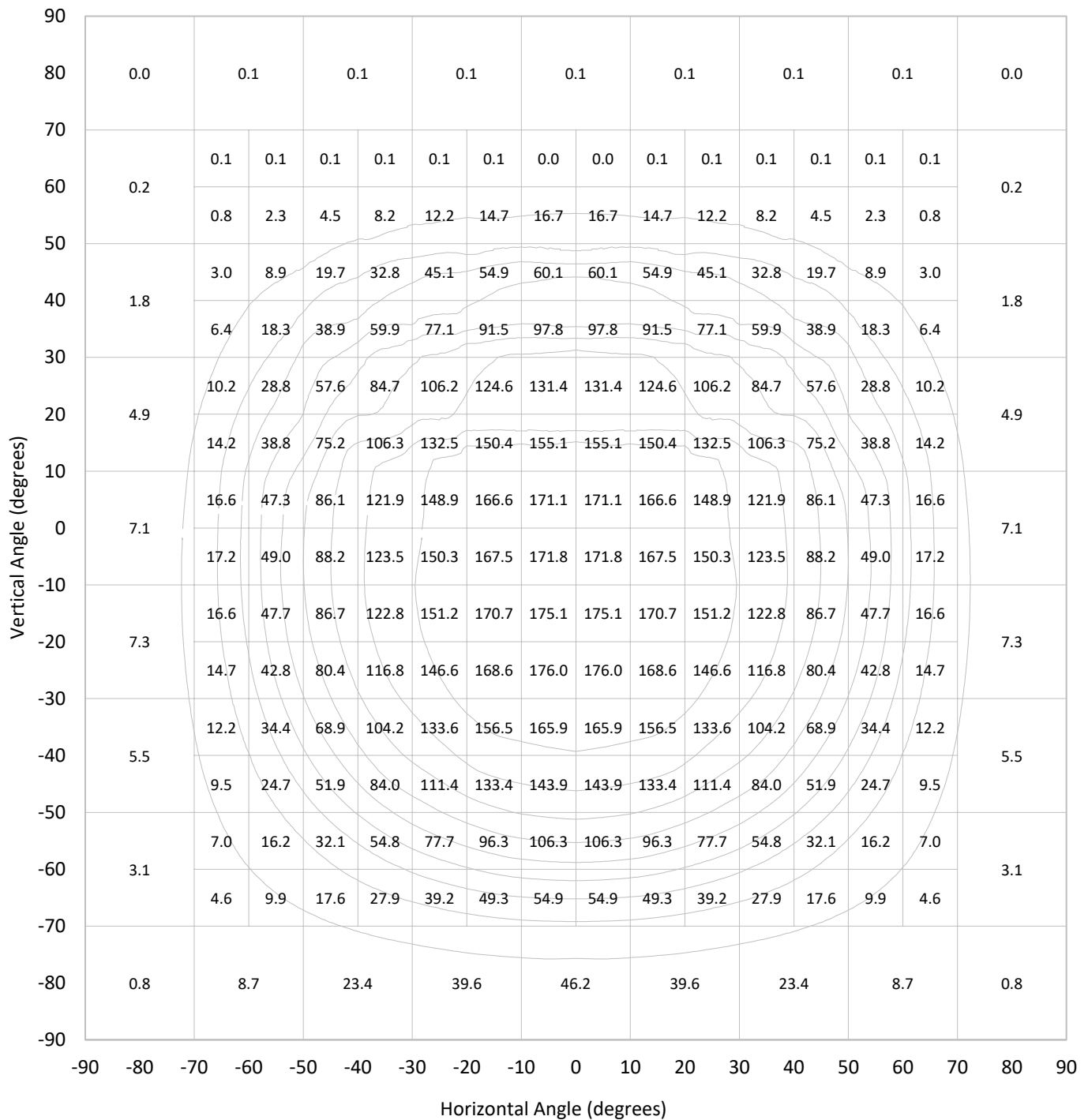
### Iso-Candela Plot





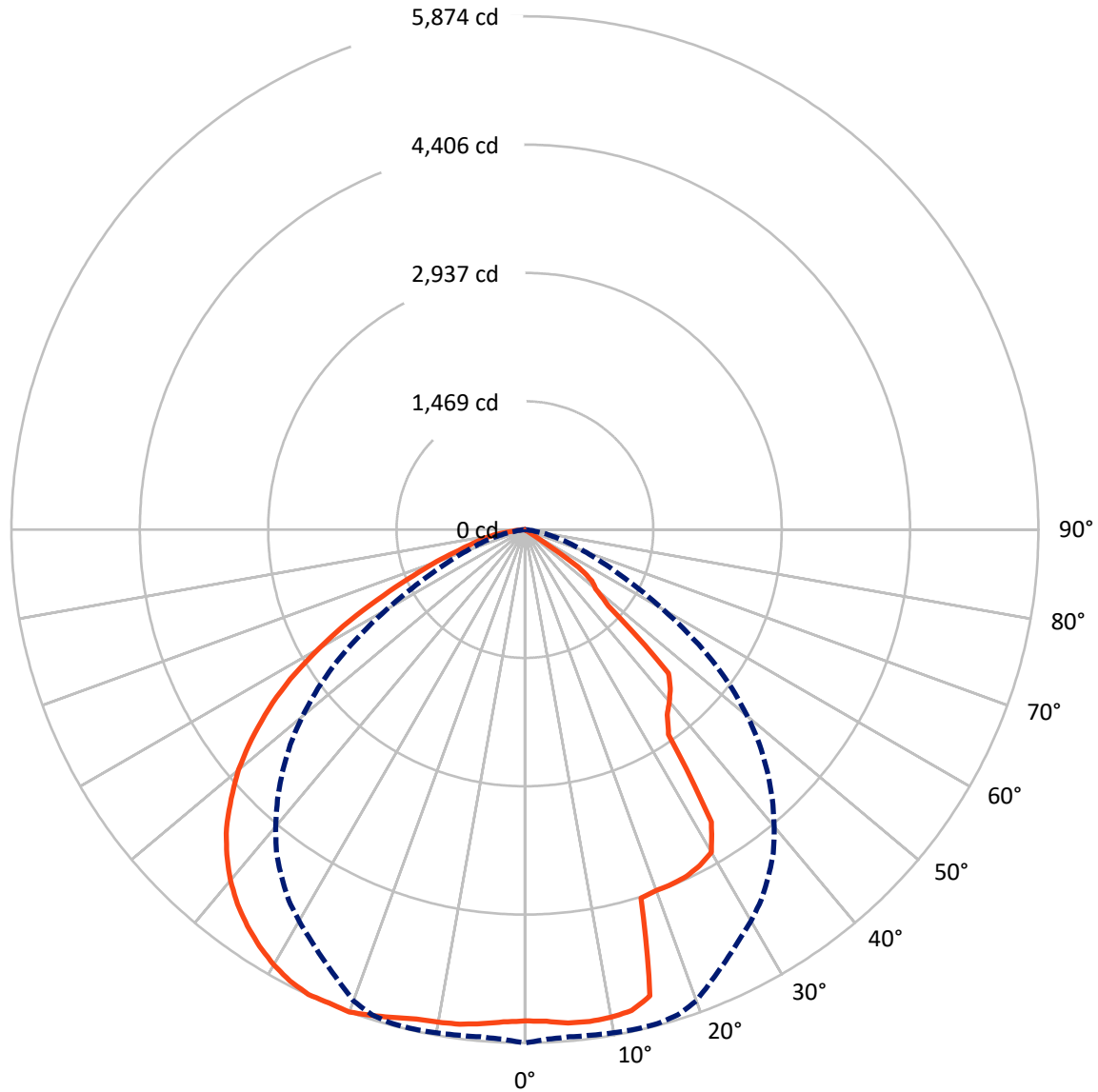
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### Lumen Table



REPORT NUMBER: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

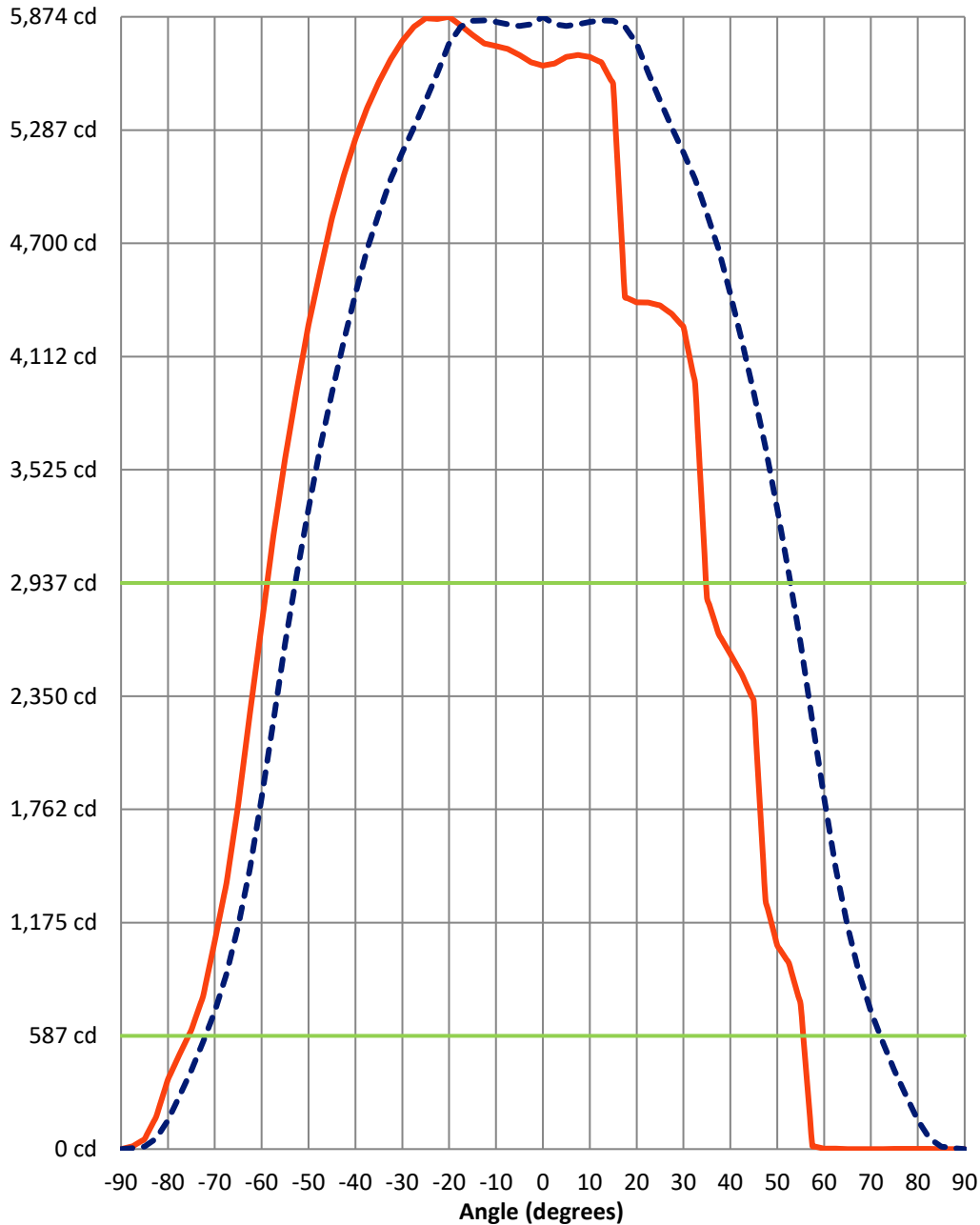


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 10767.9  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 13500.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 273.6  
 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	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.6
85°	0.0	0.3	0.4	0.7	0.9	1.1	1.3	1.3	1.3	1.2	1.1
82.5°	0.0	0.4	0.7	1.0	1.3	1.6	1.9	2.0	1.9	1.6	1.3
80°	0.0	0.5	0.9	1.3	1.7	2.2	2.5	2.2	1.9	1.6	1.3
77.5°	0.0	0.7	1.1	1.6	2.2	2.5	2.5	2.2	2.0	1.7	1.4
75°	0.0	0.8	1.3	1.9	2.5	2.6	2.5	2.3	2.0	1.7	1.4
72.5°	0.0	1.0	1.5	2.2	2.6	2.7	2.6	2.3	2.0	1.7	1.4
70°	0.0	1.1	1.8	2.5	2.8	2.8	2.6	2.3	2.0	1.8	2.0
67.5°	0.0	1.2	2.0	2.7	2.9	2.9	2.9	2.4	2.1	2.8	2.8
65°	0.0	1.4	2.2	2.8	3.0	3.3	3.4	2.4	3.3	3.9	4.9
62.5°	0.0	1.5	2.4	2.9	3.2	4.1	3.9	3.3	4.6	6.9	10.9
60°	0.0	1.6	2.7	3.0	3.3	5.0	4.6	4.7	6.0	17.4	19.0
57.5°	0.0	1.7	2.8	3.2	4.3	6.0	8.6	6.7	17.0	29.6	34.4
55°	0.0	1.9	3.0	3.3	5.3	7.1	13.7	10.8	31.6	45.7	55.6
52.5°	0.0	2.0	3.1	3.5	6.4	9.1	19.6	27.5	47.5	71.7	80.7
50°	0.0	2.1	3.3	3.6	7.6	15.6	26.4	46.4	67.9	100.5	126.1
47.5°	0.0	2.2	3.4	4.0	8.8	22.5	35.5	66.3	97.9	132.4	172.4
45°	0.0	2.4	3.6	4.9	10.0	29.9	53.7	87.1	131.3	172.6	217.4
42.5°	0.0	2.5	3.7	5.9	11.3	37.8	72.2	113.4	165.4	211.7	269.3
40°	0.0	2.6	3.9	7.1	15.2	46.1	91.2	143.4	200.5	250.0	324.9
37.5°	0.0	2.7	4.0	8.6	21.7	54.9	110.5	173.5	237.4	296.2	382.9
35°	0.0	2.8	4.2	10.2	28.4	68.3	130.1	203.5	274.8	352.8	451.4
32.5°	0.0	2.9	4.4	12.1	35.1	83.7	151.4	233.4	312.7	409.8	534.8
30°	0.0	3.0	4.5	14.1	41.9	99.1	175.7	263.6	350.9	466.9	614.8
27.5°	0.0	3.1	4.7	16.2	50.2	114.3	199.5	295.1	392.8	523.9	691.3
25°	0.0	3.2	4.9	18.4	58.8	129.2	222.8	326.2	440.2	586.1	764.2
22.5°	0.0	3.3	5.0	20.7	67.4	144.4	245.4	356.8	486.7	648.4	838.0
20°	0.0	3.4	5.2	23.1	75.9	160.7	267.2	386.8	531.9	707.1	910.0
17.5°	0.0	3.4	5.3	25.6	84.2	176.5	288.8	415.9	575.7	762.2	979.7
15°	0.0	3.5	5.5	28.0	92.3	191.7	309.5	442.9	617.8	813.6	1046.7
12.5°	0.0	3.6	5.7	30.5	100.2	206.2	328.9	467.1	651.4	861.2	1110.5
10°	0.0	3.6	5.8	32.9	107.7	219.8	346.9	489.3	676.4	889.7	1162.4
7.5°	0.0	3.7	5.9	35.2	114.8	232.6	363.4	509.5	697.7	911.8	1192.7
5°	0.0	3.7	6.1	37.4	121.4	244.4	378.4	527.8	715.5	929.7	1217.3
2.5°	0.0	3.8	6.2	39.5	127.5	255.1	391.9	544.0	729.9	943.4	1236.2
0°	0.0	3.8	6.3	41.4	132.9	264.6	403.8	558.1	741.2	953.1	1249.1
-2.5°	0.0	4.0	7.3	44.1	138.0	270.6	409.7	566.3	745.3	965.4	1257.5
-5°	0.0	4.2	8.2	46.6	142.3	275.4	414.0	572.3	746.7	973.4	1260.2
-7.5°	0.0	4.4	9.2	48.8	145.8	278.9	416.8	576.1	745.6	976.7	1257.4
-10°	0.0	4.6	10.1	50.7	148.4	281.0	418.1	577.5	742.4	974.7	1249.4
-12.5°	0.0	4.8	10.9	52.3	150.2	281.9	417.8	576.5	737.3	966.9	1235.7
-15°	0.0	4.9	11.7	53.6	151.1	281.5	416.2	573.1	731.5	951.6	1215.8
-17.5°	0.0	5.1	12.5	54.5	151.0	279.8	413.2	566.2	724.3	932.4	1189.9
-20°	0.0	5.2	13.2	55.1	149.9	276.9	408.4	556.4	714.2	909.6	1158.0

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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	5.3	13.8	55.3	147.8	272.6	401.6	544.5	701.0	883.3	1120.1
-25°	0.0	5.4	14.4	55.0	144.6	266.1	393.2	530.8	684.7	853.6	1076.2
-27.5°	0.0	5.4	14.8	54.3	140.4	257.9	383.2	515.1	665.3	824.9	1037.3
-30°	0.0	5.5	15.2	53.2	135.1	248.6	371.6	497.7	644.1	800.7	995.8
-32.5°	0.0	5.5	15.5	51.6	129.0	238.2	358.5	481.6	621.6	772.6	951.4
-35°	0.0	5.5	15.7	49.6	122.2	226.7	344.4	464.6	597.2	740.8	904.3
-37.5°	0.0	5.4	15.8	47.1	114.6	215.2	329.1	445.9	571.1	705.3	857.7
-40°	0.0	5.4	15.8	44.2	106.4	204.8	312.7	425.3	543.4	671.7	811.7
-42.5°	0.0	5.3	15.8	41.0	100.2	193.6	295.2	403.1	516.6	636.3	762.2
-45°	0.0	5.2	15.6	37.8	96.0	181.6	276.5	380.1	489.1	598.5	710.9
-47.5°	0.0	5.1	15.3	34.1	91.0	169.0	256.8	357.1	459.7	558.8	666.6
-50°	0.0	4.9	14.9	32.9	85.2	155.8	240.3	332.9	427.3	522.5	620.1
-52.5°	0.0	4.7	14.4	32.3	78.7	141.9	223.8	307.7	396.2	485.0	572.5
-55°	0.0	4.5	13.9	31.3	71.5	131.4	206.7	282.1	365.0	446.5	530.2
-57.5°	0.0	4.3	13.2	29.9	63.6	120.7	188.9	261.9	332.7	409.6	486.9
-60°	0.0	4.1	12.5	28.2	55.3	109.0	170.8	239.4	300.5	372.3	443.7
-62.5°	0.0	3.8	11.7	26.2	51.4	96.4	154.3	215.0	270.6	334.0	401.4
-65°	0.0	3.5	10.9	23.9	46.9	83.0	136.7	189.7	238.9	295.6	358.1
-67.5°	0.0	3.2	10.0	21.3	42.0	71.7	117.9	164.6	205.6	255.4	311.4
-70°	0.0	2.9	9.0	18.5	36.5	62.8	98.1	138.9	175.8	213.5	261.6
-72.5°	0.0	2.6	8.0	16.3	30.6	53.2	83.0	112.6	145.4	178.7	212.4
-75°	0.0	2.2	7.0	14.2	24.4	42.9	67.8	90.7	114.5	143.5	172.9
-77.5°	0.0	1.9	5.9	12.0	20.1	32.2	52.0	70.1	89.0	109.5	132.8
-80°	0.0	1.5	4.7	9.7	16.3	24.6	35.5	49.2	63.8	79.6	96.6
-82.5°	0.0	1.1	3.6	7.3	12.3	18.6	26.1	31.6	38.1	49.3	61.3
-85°	0.0	0.8	2.4	4.9	8.2	12.4	17.5	21.1	24.8	28.8	32.8
-87.5°	0.0	0.4	1.2	2.5	4.1	6.2	8.8	10.6	12.4	14.4	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





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 CATALOG NUMBER: GFLD-SA4B-750-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	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.0
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.5	1.6	1.6	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	2.0	2.0	1.8	1.5	1.3	1.4	1.5	1.4	1.3	1.3	1.3
67.5°	2.4	2.1	1.8	1.8	1.8	1.9	1.9	1.6	1.3	1.3	1.3
65°	2.5	2.2	3.1	3.6	2.6	2.2	1.9	1.6	1.7	1.8	1.8
62.5°	3.7	4.7	6.0	10.6	7.9	2.3	4.1	4.9	3.6	3.0	3.2
60°	12.2	8.3	24.7	35.4	22.1	8.0	9.8	32.7	28.4	5.2	17.7
57.5°	25.8	35.3	65.1	66.3	45.8	31.6	92.0	106.3	80.4	47.0	71.8
55°	56.7	87.1	107.9	99.9	109.1	165.3	196.4	176.4	148.5	228.4	291.8
52.5°	110.8	141.8	148.9	170.9	244.7	281.2	269.4	288.1	373.6	464.0	483.6
50°	163.5	188.9	208.7	301.8	359.5	363.2	389.9	474.6	588.7	644.0	630.6
47.5°	214.5	240.8	333.0	422.5	448.4	483.9	550.8	714.3	835.1	837.5	823.8
45°	268.4	338.7	456.4	514.7	556.8	625.4	787.2	1012.7	1024.4	1057.2	1258.8
42.5°	326.1	449.2	551.9	612.6	680.5	808.6	1024.5	1172.5	1223.4	1366.9	1528.9
40°	419.5	556.0	645.7	723.2	810.6	997.5	1234.0	1372.6	1414.0	1538.2	1660.0
37.5°	514.3	645.1	745.7	839.2	960.3	1212.6	1486.2	1600.6	1621.5	1644.1	1914.2
35°	605.5	736.6	856.9	979.3	1127.7	1491.1	1730.2	1837.7	1834.4	1987.6	2270.4
32.5°	690.9	830.0	972.1	1135.8	1380.7	1753.0	1992.2	2056.5	2154.1	2377.2	2763.1
30°	776.1	934.3	1097.4	1292.4	1602.8	1925.4	2198.4	2302.0	2469.3	2723.8	3004.7
27.5°	863.9	1041.2	1238.4	1467.0	1778.0	2074.5	2307.7	2555.2	2717.7	2945.8	3145.6
25°	951.3	1154.3	1377.6	1619.5	1903.2	2179.6	2420.8	2706.6	2881.1	3065.0	3251.4
22.5°	1043.0	1269.1	1521.3	1740.5	2008.8	2268.9	2556.1	2866.0	3092.9	3209.8	3334.9
20°	1138.8	1393.2	1662.2	1905.0	2113.0	2351.9	2691.9	3068.5	3361.4	3492.9	3510.1
17.5°	1233.2	1513.5	1802.7	2065.6	2289.9	2502.5	2834.5	3311.0	3675.3	3797.5	3851.9
15°	1325.3	1629.2	1942.5	2221.8	2468.1	2728.1	3082.6	3567.2	3983.6	4118.9	4204.5
12.5°	1414.2	1739.5	2079.9	2372.9	2646.4	2938.1	3307.9	3751.5	4131.6	4393.3	4550.3
10°	1499.0	1843.7	2213.4	2517.9	2822.6	3132.8	3494.3	3888.8	4198.2	4450.6	4673.5
7.5°	1541.7	1911.8	2328.0	2655.9	2994.5	3312.8	3647.0	3985.6	4246.2	4493.8	4709.2
5°	1570.7	1939.8	2363.8	2704.0	3085.8	3432.8	3757.3	4049.2	4277.5	4522.9	4733.3
2.5°	1591.5	1957.9	2388.0	2730.4	3120.1	3469.7	3789.1	4070.4	4303.4	4543.8	4759.2
0°	1604.0	1966.5	2400.4	2746.6	3141.6	3494.0	3807.6	4078.5	4320.5	4553.8	4785.8
-2.5°	1611.1	1992.8	2408.6	2788.2	3162.4	3514.9	3833.4	4097.8	4350.8	4572.8	4805.3
-5°	1610.2	2008.5	2406.5	2816.2	3172.3	3523.1	3846.3	4106.6	4367.2	4587.0	4813.3
-7.5°	1601.5	2012.1	2395.6	2824.9	3172.7	3520.3	3840.7	4110.8	4366.9	4600.0	4814.1
-10°	1585.9	1997.9	2385.6	2802.2	3160.6	3506.1	3823.3	4101.6	4356.7	4597.4	4809.9
-12.5°	1567.5	1968.6	2364.7	2769.6	3135.8	3479.4	3797.0	4078.1	4337.6	4577.7	4800.3
-15°	1539.9	1929.6	2330.3	2728.2	3098.2	3440.6	3762.8	4039.8	4308.2	4543.3	4771.8
-17.5°	1502.8	1881.2	2282.0	2679.0	3047.5	3390.0	3719.0	3989.2	4256.3	4499.2	4719.8
-20°	1456.1	1824.0	2219.2	2623.0	2983.1	3322.0	3640.7	3923.7	4189.1	4436.2	4667.9



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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°	1399.7	1758.2	2143.5	2547.6	2902.8	3237.9	3552.8	3840.3	4115.3	4354.2	4601.2
-25°	1343.1	1688.6	2060.0	2443.2	2809.4	3143.1	3459.0	3739.0	4020.2	4268.7	4503.3
-27.5°	1288.9	1607.8	1963.0	2328.2	2703.7	3035.8	3348.8	3629.1	3902.0	4173.8	4399.6
-30°	1228.1	1514.4	1856.6	2205.5	2571.5	2909.7	3225.0	3515.8	3775.5	4043.9	4286.4
-32.5°	1161.1	1415.4	1744.2	2079.9	2425.0	2770.6	3083.0	3371.9	3642.1	3895.9	4150.5
-35°	1095.4	1335.4	1625.2	1945.0	2269.8	2608.9	2921.5	3207.6	3488.0	3739.4	3982.7
-37.5°	1036.4	1248.8	1498.7	1804.2	2114.6	2435.3	2753.2	3030.2	3297.0	3573.4	3810.6
-40°	972.5	1155.7	1389.1	1659.1	1951.7	2256.7	2561.1	2847.6	3098.4	3371.6	3632.5
-42.5°	905.7	1080.0	1281.0	1505.6	1781.8	2069.3	2363.2	2643.4	2903.9	3161.6	3420.2
-45°	847.1	999.8	1171.0	1376.2	1601.1	1871.5	2149.8	2429.2	2679.1	2924.6	3180.0
-47.5°	784.8	919.2	1077.5	1241.4	1436.8	1663.0	1924.6	2182.3	2438.2	2671.8	2897.8
-50°	722.8	846.6	976.7	1124.2	1285.5	1468.8	1686.2	1925.7	2159.4	2399.3	2623.1
-52.5°	669.3	770.3	887.8	1011.0	1149.1	1300.7	1474.8	1671.6	1884.1	2087.7	2311.0
-55°	613.8	704.9	799.7	908.1	1023.1	1151.0	1293.8	1459.1	1621.3	1809.6	1991.9
-57.5°	563.2	640.0	720.9	810.4	910.2	1012.7	1137.4	1266.1	1413.2	1559.6	1703.9
-60°	515.5	578.2	646.9	722.7	802.9	894.1	987.2	1097.6	1216.2	1333.0	1455.5
-62.5°	467.4	520.2	576.2	639.1	709.0	777.9	857.4	942.5	1029.7	1128.8	1225.4
-65°	417.9	460.6	508.1	560.3	616.1	674.8	735.8	798.8	873.0	945.6	1015.8
-67.5°	365.4	401.9	440.3	481.4	528.3	574.4	620.4	673.6	728.2	781.9	837.5
-70°	307.2	341.6	373.6	407.0	441.7	477.9	517.2	556.2	594.7	635.0	679.6
-72.5°	248.0	279.7	307.8	332.5	361.0	391.0	419.8	447.2	476.3	506.8	537.1
-75°	197.8	218.7	243.9	266.8	289.5	310.7	329.6	352.9	377.1	399.4	417.6
-77.5°	154.4	173.4	190.6	206.0	224.1	245.3	263.7	279.6	295.0	311.8	329.6
-80°	112.4	128.1	143.8	158.0	168.4	180.4	194.6	210.7	224.8	236.2	246.6
-82.5°	72.5	83.9	95.6	107.4	112.3	115.6	118.7	124.3	133.0	141.6	149.7
-85°	36.2	39.5	46.5	53.8	56.4	58.1	59.4	60.0	63.0	65.7	68.1
-87.5°	18.1	19.7	21.4	23.0	22.1	21.0	19.5	17.8	17.4	16.8	16.2
-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: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-750-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	1.1	1.1	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	0.9	0.6
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.1	0.8
65°	1.8	1.7	1.8	1.8	1.6	1.5	1.6	1.6	1.4	1.1	0.8
62.5°	3.1	3.6	2.8	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.2
60°	19.7	11.7	6.8	8.0	7.2	4.8	6.1	7.1	7.2	6.6	5.8
57.5°	109.0	81.4	60.3	143.9	144.4	69.0	83.0	130.5	107.5	35.3	32.8
55°	303.3	362.7	477.4	453.4	460.8	530.0	578.8	512.4	502.3	535.2	618.3
52.5°	544.8	601.5	640.0	676.1	720.1	767.3	815.9	846.8	875.7	906.5	924.9
50°	695.7	775.6	830.4	810.2	923.9	970.4	923.2	965.4	1016.9	1031.0	1037.6
47.5°	1027.3	1144.5	1167.7	1243.1	1310.9	1309.5	1251.9	1255.3	1408.5	1543.7	1610.1
45°	1476.4	1480.4	1554.0	1687.3	1782.5	1752.5	1832.9	2015.6	2076.5	2135.3	2183.5
42.5°	1651.3	1723.8	1841.4	1959.2	2030.2	2091.8	2151.3	2218.5	2297.4	2361.5	2412.7
40°	1820.7	1879.1	1999.5	2094.4	2153.2	2210.7	2280.0	2354.5	2426.7	2483.0	2521.5
37.5°	2081.5	2126.8	2156.1	2244.2	2355.4	2304.0	2435.6	2530.0	2573.1	2630.3	2635.4
35°	2476.0	2445.8	2406.8	2757.4	2778.4	2660.0	2783.1	2929.3	2852.2	3012.8	3099.1
32.5°	2825.7	2821.2	3127.2	3311.5	3205.5	3292.1	3575.7	3563.1	3752.2	3839.9	3814.9
30°	3155.1	3267.6	3444.5	3581.8	3600.2	3736.7	3862.6	3973.0	4087.2	4189.5	4196.5
27.5°	3322.4	3469.1	3589.2	3668.7	3757.3	3872.2	3986.5	4110.7	4207.8	4272.0	4287.7
25°	3423.5	3573.4	3664.4	3749.9	3847.8	3946.9	4074.9	4210.2	4288.2	4327.8	4340.4
22.5°	3512.8	3647.4	3745.2	3814.6	3919.9	4026.5	4145.9	4260.4	4345.1	4362.4	4368.7
20°	3598.7	3728.0	3891.4	3993.5	3988.4	4108.5	4223.5	4314.7	4385.2	4384.9	4386.5
17.5°	3847.0	3893.2	4189.6	4414.6	4303.3	4244.5	4560.7	4566.7	4585.5	4548.2	4467.2
15°	4214.7	4298.8	4663.0	4907.0	4830.2	4826.1	5282.9	5169.6	5267.1	5241.6	5351.3
12.5°	4604.3	4703.9	4976.0	5215.6	5329.7	5357.8	5510.4	5653.3	5682.7	5671.1	5649.5
10°	4869.7	5011.5	5120.8	5266.2	5381.4	5498.9	5587.2	5689.9	5723.5	5704.0	5676.6
7.5°	4904.2	5044.4	5172.7	5300.3	5410.0	5504.7	5596.3	5679.9	5714.1	5702.8	5683.9
5°	4926.2	5053.2	5177.6	5307.1	5411.9	5499.6	5591.0	5675.6	5695.8	5682.2	5663.8
2.5°	4939.8	5057.3	5177.2	5306.1	5401.4	5484.9	5577.3	5667.6	5667.5	5661.6	5650.8
0°	4946.3	5064.2	5203.4	5320.1	5426.7	5505.7	5597.2	5685.0	5678.7	5662.4	5643.6
-2.5°	4960.4	5079.9	5221.9	5318.6	5438.8	5511.1	5605.8	5681.8	5678.9	5670.9	5661.5
-5°	4973.0	5107.3	5240.2	5341.9	5462.4	5557.0	5651.0	5710.5	5713.7	5702.5	5686.8
-7.5°	4980.7	5129.6	5256.4	5358.5	5475.3	5585.3	5680.7	5743.1	5744.5	5729.7	5710.9
-10°	4978.1	5135.3	5265.8	5371.4	5491.0	5599.6	5699.4	5778.5	5775.9	5761.8	5745.8
-12.5°	4968.7	5125.7	5259.8	5365.6	5501.5	5613.3	5725.5	5804.2	5808.4	5797.8	5780.5
-15°	4948.0	5110.2	5240.5	5356.1	5489.3	5620.1	5735.3	5822.1	5837.6	5829.0	5815.3
-17.5°	4907.2	5078.3	5216.6	5341.1	5468.8	5608.3	5739.4	5834.3	5855.5	5852.0	5840.7
-20°	4853.5	5030.1	5170.5	5300.9	5440.0	5583.6	5736.2	5823.0	5853.7	5855.6	5847.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4B-750-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°	4793.3	4966.1	5115.0	5243.3	5394.1	5539.5	5677.7	5779.3	5830.9	5840.5	5841.1
-25°	4721.1	4898.7	5046.6	5183.2	5323.5	5473.7	5613.2	5726.6	5778.9	5803.9	5811.7
-27.5°	4619.0	4802.6	4948.2	5092.6	5235.3	5390.4	5537.1	5660.4	5702.9	5737.3	5751.1
-30°	4499.5	4681.0	4829.4	4961.4	5124.7	5282.8	5434.3	5541.8	5606.0	5645.3	5666.8
-32.5°	4362.0	4545.3	4701.0	4838.9	4994.1	5152.2	5294.6	5408.1	5496.6	5541.9	5564.9
-35°	4212.9	4400.0	4563.1	4708.3	4854.4	5005.1	5152.7	5271.5	5372.3	5411.2	5440.0
-37.5°	4033.1	4239.5	4406.7	4556.5	4695.3	4837.0	4990.7	5126.4	5224.3	5262.1	5292.5
-40°	3848.7	4048.2	4216.9	4376.6	4513.8	4668.5	4816.6	4958.8	5043.8	5087.9	5122.2
-42.5°	3654.1	3834.3	3994.7	4149.9	4302.7	4461.9	4609.9	4757.7	4831.2	4884.3	4926.4
-45°	3429.4	3597.1	3752.9	3898.1	4055.7	4212.2	4360.3	4491.0	4578.4	4647.6	4701.4
-47.5°	3129.8	3334.1	3490.6	3628.7	3784.9	3935.9	4079.4	4202.3	4298.1	4379.0	4441.6
-50°	2825.6	3021.6	3198.1	3353.3	3498.2	3637.8	3774.4	3894.6	3996.1	4083.7	4147.1
-52.5°	2526.0	2709.6	2884.8	3044.9	3184.3	3316.1	3441.1	3562.0	3668.9	3762.7	3824.0
-55°	2187.4	2377.7	2550.9	2700.3	2839.5	2969.8	3093.2	3207.8	3313.2	3408.6	3467.3
-57.5°	1869.8	2036.7	2197.9	2335.8	2467.2	2591.3	2708.3	2818.1	2919.4	3009.3	3065.8
-60°	1577.8	1699.5	1838.3	1965.6	2082.1	2187.7	2296.8	2399.2	2492.3	2571.3	2624.1
-62.5°	1319.8	1420.7	1520.8	1617.7	1712.1	1807.1	1898.4	1983.3	2061.1	2125.8	2172.0
-65°	1089.9	1170.9	1243.4	1312.0	1377.4	1452.3	1521.8	1587.1	1647.6	1697.3	1732.5
-67.5°	897.4	954.4	1004.5	1051.6	1103.2	1156.1	1205.6	1248.8	1285.8	1315.2	1338.4
-70°	723.7	765.6	803.4	841.0	878.6	913.0	945.8	977.6	1007.8	1032.4	1050.8
-72.5°	566.8	595.4	621.1	650.1	677.2	703.3	726.0	744.3	758.5	772.4	784.5
-75°	432.1	453.7	482.7	507.1	527.4	545.3	561.7	576.3	589.2	600.6	610.6
-77.5°	347.6	365.8	384.3	402.2	419.5	432.3	444.2	456.2	467.9	478.0	486.9
-80°	257.6	271.2	285.5	299.8	314.1	321.2	326.9	332.1	336.7	342.8	348.4
-82.5°	157.5	165.2	173.1	181.2	189.2	191.2	191.9	191.7	190.7	188.5	185.2
-85°	70.1	70.5	70.3	69.5	68.2	65.4	62.0	58.0	53.6	52.9	52.1
-87.5°	15.4	15.1	14.6	14.2	13.6	13.6	13.5	13.4	13.3	13.8	14.2
-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: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-750-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	0.6	0.9	1.2	1.2
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	0.7	0.0	0.7	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	0.8	1.1	1.3	1.3
65°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8	1.1	1.4	1.6
62.5°	2.3	2.4	2.5	2.5	2.5	2.4	2.3	2.2	2.1	2.2	2.4
60°	4.5	3.0	2.5	2.5	2.5	3.0	4.5	5.8	6.6	7.2	7.1
57.5°	27.7	20.7	17.6	16.3	17.6	20.7	27.7	32.8	35.3	107.5	130.5
55°	677.7	712.3	738.0	750.0	738.0	712.3	677.7	618.3	535.2	502.3	512.4
52.5°	941.0	956.1	964.7	964.4	964.7	956.1	941.0	924.9	906.5	875.7	846.8
50°	1049.0	1056.3	1058.8	1057.2	1058.8	1056.3	1049.0	1037.6	1031.0	1016.9	965.4
47.5°	1549.4	1415.3	1316.7	1293.0	1316.7	1415.3	1549.4	1610.1	1543.7	1408.5	1255.3
45°	2206.7	2257.5	2308.2	2323.9	2308.2	2257.5	2206.7	2183.5	2135.3	2076.5	2015.6
42.5°	2434.3	2450.9	2460.2	2460.6	2460.2	2450.9	2434.3	2412.7	2361.5	2297.4	2218.5
40°	2543.0	2558.6	2567.7	2568.5	2567.7	2558.6	2543.0	2521.5	2483.0	2426.7	2354.5
37.5°	2641.6	2654.9	2663.6	2672.6	2663.6	2654.9	2641.6	2635.4	2630.3	2573.1	2530.0
35°	3087.4	2986.5	2841.2	2863.2	2841.2	2986.5	3087.4	3099.1	3012.8	2852.2	2929.3
32.5°	3854.0	3896.5	3923.0	3968.1	3923.0	3896.5	3854.0	3814.9	3839.9	3752.2	3563.1
30°	4207.7	4221.7	4243.0	4265.3	4243.0	4221.7	4207.7	4196.5	4189.5	4087.2	3973.0
27.5°	4296.0	4310.5	4323.4	4333.1	4323.4	4310.5	4296.0	4287.7	4272.0	4207.8	4110.7
25°	4342.2	4351.2	4364.9	4376.9	4364.9	4351.2	4342.2	4340.4	4327.8	4288.2	4210.2
22.5°	4365.1	4366.1	4376.8	4392.0	4376.8	4366.1	4365.1	4368.7	4362.4	4345.1	4260.4
20°	4380.8	4372.3	4383.4	4393.3	4383.4	4372.3	4380.8	4386.5	4384.9	4385.2	4314.7
17.5°	4581.3	4467.0	4420.0	4420.8	4420.0	4467.0	4581.3	4467.2	4548.2	4585.5	4566.7
15°	5228.1	5271.1	5435.6	5524.5	5435.6	5271.1	5228.1	5351.3	5241.6	5267.1	5169.6
12.5°	5645.5	5630.3	5610.7	5637.4	5610.7	5630.3	5645.5	5649.5	5671.1	5682.7	5653.3
10°	5664.8	5663.1	5628.3	5666.2	5628.3	5663.1	5664.8	5676.6	5704.0	5723.5	5689.9
7.5°	5653.0	5654.1	5639.2	5676.2	5639.2	5654.1	5653.0	5683.9	5702.8	5714.1	5679.9
5°	5660.9	5635.4	5645.0	5666.2	5645.0	5635.4	5660.9	5663.8	5682.2	5695.8	5675.6
2.5°	5638.9	5636.3	5617.5	5632.3	5617.5	5636.3	5638.9	5650.8	5661.6	5667.5	5667.6
0°	5622.3	5608.5	5608.5	5621.1	5608.5	5608.5	5622.3	5643.6	5662.4	5678.7	5685.0
-2.5°	5652.0	5649.1	5647.2	5638.6	5647.2	5649.1	5652.0	5661.5	5670.9	5678.9	5681.8
-5°	5676.3	5668.9	5648.4	5676.2	5648.4	5668.9	5676.3	5686.8	5702.5	5713.7	5710.5
-7.5°	5702.6	5683.5	5664.0	5707.6	5664.0	5683.5	5702.6	5710.9	5729.7	5744.5	5743.1
-10°	5726.6	5699.0	5680.0	5722.6	5680.0	5699.0	5726.6	5745.8	5761.8	5775.9	5778.5
-12.5°	5758.2	5726.0	5713.3	5736.4	5713.3	5726.0	5758.2	5780.5	5797.8	5808.4	5804.2
-15°	5792.0	5769.7	5766.7	5780.3	5766.7	5769.7	5792.0	5815.3	5829.0	5837.6	5822.1
-17.5°	5821.6	5806.0	5813.7	5829.2	5813.7	5806.0	5821.6	5840.7	5852.0	5855.5	5834.3
-20°	5835.7	5827.0	5835.7	5874.4	5835.7	5827.0	5835.7	5847.9	5855.6	5853.7	5823.0



REPORT NUMBER: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-750-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°	5834.6	5835.1	5850.4	5863.1	5850.4	5835.1	5834.6	5841.1	5840.5	5830.9	5779.3
-25°	5812.3	5824.0	5841.6	5866.9	5841.6	5824.0	5812.3	5811.7	5803.9	5778.9	5726.6
-27.5°	5758.6	5778.1	5796.5	5823.0	5796.5	5778.1	5758.6	5751.1	5737.3	5702.9	5660.4
-30°	5681.0	5704.2	5720.6	5749.0	5720.6	5704.2	5681.0	5666.8	5645.3	5606.0	5541.8
-32.5°	5586.5	5612.7	5632.1	5652.4	5632.1	5612.7	5586.5	5564.9	5541.9	5496.6	5408.1
-35°	5468.4	5496.7	5517.3	5535.8	5517.3	5496.7	5468.4	5440.0	5411.2	5372.3	5271.5
-37.5°	5326.5	5357.0	5380.5	5401.6	5380.5	5357.0	5326.5	5292.5	5262.1	5224.3	5126.4
-40°	5161.2	5192.4	5217.5	5241.0	5217.5	5192.4	5161.2	5122.2	5087.9	5043.8	4958.8
-42.5°	4967.9	4999.5	5025.4	5049.2	5025.4	4999.5	4967.9	4926.4	4884.3	4831.2	4757.7
-45°	4744.7	4777.2	4804.6	4829.7	4804.6	4777.2	4744.7	4701.4	4647.6	4578.4	4491.0
-47.5°	4487.7	4522.4	4545.8	4557.5	4545.8	4522.4	4487.7	4441.6	4379.0	4298.1	4202.3
-50°	4193.0	4227.7	4255.8	4276.6	4255.8	4227.7	4193.0	4147.1	4083.7	3996.1	3894.6
-52.5°	3868.7	3901.7	3925.9	3940.5	3925.9	3901.7	3868.7	3824.0	3762.7	3668.9	3562.0
-55°	3513.5	3548.1	3571.1	3581.8	3571.1	3548.1	3513.5	3467.3	3408.6	3313.2	3207.8
-57.5°	3110.7	3143.6	3168.0	3181.8	3168.0	3143.6	3110.7	3065.8	3009.3	2919.4	2818.1
-60°	2665.1	2694.5	2713.0	2720.2	2713.0	2694.5	2665.1	2624.1	2571.3	2492.3	2399.2
-62.5°	2209.3	2237.1	2254.5	2261.2	2254.5	2237.1	2209.3	2172.0	2125.8	2061.1	1983.3
-65°	1758.7	1776.2	1785.8	1787.1	1785.8	1776.2	1758.7	1732.5	1697.3	1647.6	1587.1
-67.5°	1356.8	1370.0	1378.1	1380.8	1378.1	1370.0	1356.8	1338.4	1315.2	1285.8	1248.8
-70°	1064.6	1073.7	1078.9	1079.8	1078.9	1073.7	1064.6	1050.8	1032.4	1007.8	977.6
-72.5°	793.8	800.3	798.0	792.6	798.0	800.3	793.8	784.5	772.4	758.5	744.3
-75°	619.2	626.4	623.4	618.3	623.4	626.4	619.2	610.6	600.6	589.2	576.3
-77.5°	494.7	501.3	498.0	492.9	498.0	501.3	494.7	486.9	478.0	467.9	456.2
-80°	353.2	357.1	359.8	361.2	359.8	357.1	353.2	348.4	342.8	336.7	332.1
-82.5°	180.8	175.5	172.1	168.1	172.1	175.5	180.8	185.2	188.5	190.7	191.7
-85°	51.1	49.9	50.7	51.4	50.7	49.9	51.1	52.1	52.9	53.6	58.0
-87.5°	14.6	14.9	15.0	15.0	15.0	14.9	14.6	14.2	13.8	13.3	13.4
-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: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	0.6	0.9	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9
85°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.6
65°	1.6	1.5	1.6	1.8	1.8	1.7	1.8	1.8	1.8	1.7	1.6
62.5°	2.5	2.6	2.7	2.8	2.8	3.6	3.1	3.2	3.0	3.6	4.9
60°	6.1	4.8	7.2	8.0	6.8	11.7	19.7	17.7	5.2	28.4	32.7
57.5°	83.0	69.0	144.4	143.9	60.3	81.4	109.0	71.8	47.0	80.4	106.3
55°	578.8	530.0	460.8	453.4	477.4	362.7	303.3	291.8	228.4	148.5	176.4
52.5°	815.9	767.3	720.1	676.1	640.0	601.5	544.8	483.6	464.0	373.6	288.1
50°	923.2	970.4	923.9	810.2	830.4	775.6	695.7	630.6	644.0	588.7	474.6
47.5°	1251.9	1309.5	1310.9	1243.1	1167.7	1144.5	1027.3	823.8	837.5	835.1	714.3
45°	1832.9	1752.5	1782.5	1687.3	1554.0	1480.4	1476.4	1258.8	1057.2	1024.4	1012.7
42.5°	2151.3	2091.8	2030.2	1959.2	1841.4	1723.8	1651.3	1528.9	1366.9	1223.4	1172.5
40°	2280.0	2210.7	2153.2	2094.4	1999.5	1879.1	1820.7	1660.0	1538.2	1414.0	1372.6
37.5°	2435.6	2304.0	2355.4	2244.2	2156.1	2126.8	2081.5	1914.2	1644.1	1621.5	1600.6
35°	2783.1	2660.0	2778.4	2757.4	2406.8	2445.8	2476.0	2270.4	1987.6	1834.4	1837.7
32.5°	3575.7	3292.1	3205.5	3311.5	3127.2	2821.2	2825.7	2763.1	2377.2	2154.1	2056.5
30°	3862.6	3736.7	3600.2	3581.8	3444.5	3267.6	3155.1	3004.7	2723.8	2469.3	2302.0
27.5°	3986.5	3872.2	3757.3	3668.7	3589.2	3469.1	3322.4	3145.6	2945.8	2717.7	2555.2
25°	4074.9	3946.9	3847.8	3749.9	3664.4	3573.4	3423.5	3251.4	3065.0	2881.1	2706.6
22.5°	4145.9	4026.5	3919.9	3814.6	3745.2	3647.4	3512.8	3334.9	3209.8	3092.9	2866.0
20°	4223.5	4108.5	3988.4	3993.5	3891.4	3728.0	3598.7	3510.1	3492.9	3361.4	3068.5
17.5°	4560.7	4244.5	4303.3	4414.6	4189.6	3893.2	3847.0	3851.9	3797.5	3675.3	3311.0
15°	5282.9	4826.1	4830.2	4907.0	4663.0	4298.8	4214.7	4204.5	4118.9	3983.6	3567.2
12.5°	5510.4	5357.8	5329.7	5215.6	4976.0	4703.9	4604.3	4550.3	4393.3	4131.6	3751.5
10°	5587.2	5498.9	5381.4	5266.2	5120.8	5011.5	4869.7	4673.5	4450.6	4198.2	3888.8
7.5°	5596.3	5504.7	5410.0	5300.3	5172.7	5044.4	4904.2	4709.2	4493.8	4246.2	3985.6
5°	5591.0	5499.6	5411.9	5307.1	5177.6	5053.2	4926.2	4733.3	4522.9	4277.5	4049.2
2.5°	5577.3	5484.9	5401.4	5306.1	5177.2	5057.3	4939.8	4759.2	4543.8	4303.4	4070.4
0°	5597.2	5505.7	5426.7	5320.1	5203.4	5064.2	4946.3	4785.8	4553.8	4320.5	4078.5
-2.5°	5605.8	5511.1	5438.8	5318.6	5221.9	5079.9	4960.4	4805.3	4572.8	4350.8	4097.8
-5°	5651.0	5557.0	5462.4	5341.9	5240.2	5107.3	4973.0	4813.3	4587.0	4367.2	4106.6
-7.5°	5680.7	5585.3	5475.3	5358.5	5256.4	5129.6	4980.7	4814.1	4600.0	4366.9	4110.8
-10°	5699.4	5599.6	5491.0	5371.4	5265.8	5135.3	4978.1	4809.9	4597.4	4356.7	4101.6
-12.5°	5725.5	5613.3	5501.5	5365.6	5259.8	5125.7	4968.7	4800.3	4577.7	4337.6	4078.1
-15°	5735.3	5620.1	5489.3	5356.1	5240.5	5110.2	4948.0	4771.8	4543.3	4308.2	4039.8
-17.5°	5739.4	5608.3	5468.8	5341.1	5216.6	5078.3	4907.2	4719.8	4499.2	4256.3	3989.2
-20°	5736.2	5583.6	5440.0	5300.9	5170.5	5030.1	4853.5	4667.9	4436.2	4189.1	3923.7



REPORT NUMBER: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-750-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°	5677.7	5539.5	5394.1	5243.3	5115.0	4966.1	4793.3	4601.2	4354.2	4115.3	3840.3
-25°	5613.2	5473.7	5323.5	5183.2	5046.6	4898.7	4721.1	4503.3	4268.7	4020.2	3739.0
-27.5°	5537.1	5390.4	5235.3	5092.6	4948.2	4802.6	4619.0	4399.6	4173.8	3902.0	3629.1
-30°	5434.3	5282.8	5124.7	4961.4	4829.4	4681.0	4499.5	4286.4	4043.9	3775.5	3515.8
-32.5°	5294.6	5152.2	4994.1	4838.9	4701.0	4545.3	4362.0	4150.5	3895.9	3642.1	3371.9
-35°	5152.7	5005.1	4854.4	4708.3	4563.1	4400.0	4212.9	3982.7	3739.4	3488.0	3207.6
-37.5°	4990.7	4837.0	4695.3	4556.5	4406.7	4239.5	4033.1	3810.6	3573.4	3297.0	3030.2
-40°	4816.6	4668.5	4513.8	4376.6	4216.9	4048.2	3848.7	3632.5	3371.6	3098.4	2847.6
-42.5°	4609.9	4461.9	4302.7	4149.9	3994.7	3834.3	3654.1	3420.2	3161.6	2903.9	2643.4
-45°	4360.3	4212.2	4055.7	3898.1	3752.9	3597.1	3429.4	3180.0	2924.6	2679.1	2429.2
-47.5°	4079.4	3935.9	3784.9	3628.7	3490.6	3334.1	3129.8	2897.8	2671.8	2438.2	2182.3
-50°	3774.4	3637.8	3498.2	3353.3	3198.1	3021.6	2825.6	2623.1	2399.3	2159.4	1925.7
-52.5°	3441.1	3316.1	3184.3	3044.9	2884.8	2709.6	2526.0	2311.0	2087.7	1884.1	1671.6
-55°	3093.2	2969.8	2839.5	2700.3	2550.9	2377.7	2187.4	1991.9	1809.6	1621.3	1459.1
-57.5°	2708.3	2591.3	2467.2	2335.8	2197.9	2036.7	1869.8	1703.9	1559.6	1413.2	1266.1
-60°	2296.8	2187.7	2082.1	1965.6	1838.3	1699.5	1577.8	1455.5	1333.0	1216.2	1097.6
-62.5°	1898.4	1807.1	1712.1	1617.7	1520.8	1420.7	1319.8	1225.4	1128.8	1029.7	942.5
-65°	1521.8	1452.3	1377.4	1312.0	1243.4	1170.9	1089.9	1015.8	945.6	873.0	798.8
-67.5°	1205.6	1156.1	1103.2	1051.6	1004.5	954.4	897.4	837.5	781.9	728.2	673.6
-70°	945.8	913.0	878.6	841.0	803.4	765.6	723.7	679.6	635.0	594.7	556.2
-72.5°	726.0	703.3	677.2	650.1	621.1	595.4	566.8	537.1	506.8	476.3	447.2
-75°	561.7	545.3	527.4	507.1	482.7	453.7	432.1	417.6	399.4	377.1	352.9
-77.5°	444.2	432.3	419.5	402.2	384.3	365.8	347.6	329.6	311.8	295.0	279.6
-80°	326.9	321.2	314.1	299.8	285.5	271.2	257.6	246.6	236.2	224.8	210.7
-82.5°	191.9	191.2	189.2	181.2	173.1	165.2	157.5	149.7	141.6	133.0	124.3
-85°	62.0	65.4	68.2	69.5	70.3	70.5	70.1	68.1	65.7	63.0	60.0
-87.5°	13.5	13.6	13.6	14.2	14.6	15.1	15.4	16.2	16.8	17.4	17.8
-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: P645461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-750-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	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.7
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.1	1.2	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	2.2
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.7	2.0	2.2
75°	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.7	2.0	2.3
72.5°	1.3	1.3	1.3	1.4	1.6	1.6	1.5	1.4	1.7	2.0	2.3
70°	1.5	1.4	1.3	1.5	1.8	2.0	2.0	2.0	1.8	2.0	2.3
67.5°	1.9	1.9	1.8	1.8	1.8	2.1	2.4	2.8	2.8	2.1	2.4
65°	1.9	2.2	2.6	3.6	3.1	2.2	2.5	4.9	3.9	3.3	2.4
62.5°	4.1	2.3	7.9	10.6	6.0	4.7	3.7	10.9	6.9	4.6	3.3
60°	9.8	8.0	22.1	35.4	24.7	8.3	12.2	19.0	17.4	6.0	4.7
57.5°	92.0	31.6	45.8	66.3	65.1	35.3	25.8	34.4	29.6	17.0	6.7
55°	196.4	165.3	109.1	99.9	107.9	87.1	56.7	55.6	45.7	31.6	10.8
52.5°	269.4	281.2	244.7	170.9	148.9	141.8	110.8	80.7	71.7	47.5	27.5
50°	389.9	363.2	359.5	301.8	208.7	188.9	163.5	126.1	100.5	67.9	46.4
47.5°	550.8	483.9	448.4	422.5	333.0	240.8	214.5	172.4	132.4	97.9	66.3
45°	787.2	625.4	556.8	514.7	456.4	338.7	268.4	217.4	172.6	131.3	87.1
42.5°	1024.5	808.6	680.5	612.6	551.9	449.2	326.1	269.3	211.7	165.4	113.4
40°	1234.0	997.5	810.6	723.2	645.7	556.0	419.5	324.9	250.0	200.5	143.4
37.5°	1486.2	1212.6	960.3	839.2	745.7	645.1	514.3	382.9	296.2	237.4	173.5
35°	1730.2	1491.1	1127.7	979.3	856.9	736.6	605.5	451.4	352.8	274.8	203.5
32.5°	1992.2	1753.0	1380.7	1135.8	972.1	830.0	690.9	534.8	409.8	312.7	233.4
30°	2198.4	1925.4	1602.8	1292.4	1097.4	934.3	776.1	614.8	466.9	350.9	263.6
27.5°	2307.7	2074.5	1778.0	1467.0	1238.4	1041.2	863.9	691.3	523.9	392.8	295.1
25°	2420.8	2179.6	1903.2	1619.5	1377.6	1154.3	951.3	764.2	586.1	440.2	326.2
22.5°	2556.1	2268.9	2008.8	1740.5	1521.3	1269.1	1043.0	838.0	648.4	486.7	356.8
20°	2691.9	2351.9	2113.0	1905.0	1662.2	1393.2	1138.8	910.0	707.1	531.9	386.8
17.5°	2834.5	2502.5	2289.9	2065.6	1802.7	1513.5	1233.2	979.7	762.2	575.7	415.9
15°	3082.6	2728.1	2468.1	2221.8	1942.5	1629.2	1325.3	1046.7	813.6	617.8	442.9
12.5°	3307.9	2938.1	2646.4	2372.9	2079.9	1739.5	1414.2	1110.5	861.2	651.4	467.1
10°	3494.3	3132.8	2822.6	2517.9	2213.4	1843.7	1499.0	1162.4	889.7	676.4	489.3
7.5°	3647.0	3312.8	2994.5	2655.9	2328.0	1911.8	1541.7	1192.7	911.8	697.7	509.5
5°	3757.3	3432.8	3085.8	2704.0	2363.8	1939.8	1570.7	1217.3	929.7	715.5	527.8
2.5°	3789.1	3469.7	3120.1	2730.4	2388.0	1957.9	1591.5	1236.2	943.4	729.9	544.0
0°	3807.6	3494.0	3141.6	2746.6	2400.4	1966.5	1604.0	1249.1	953.1	741.2	558.1
-2.5°	3833.4	3514.9	3162.4	2788.2	2408.6	1992.8	1611.1	1257.5	965.4	745.3	566.3
-5°	3846.3	3523.1	3172.3	2816.2	2406.5	2008.5	1610.2	1260.2	973.4	746.7	572.3
-7.5°	3840.7	3520.3	3172.7	2824.9	2395.6	2012.1	1601.5	1257.4	976.7	745.6	576.1
-10°	3823.3	3506.1	3160.6	2802.2	2385.6	1997.9	1585.9	1249.4	974.7	742.4	577.5
-12.5°	3797.0	3479.4	3135.8	2769.6	2364.7	1968.6	1567.5	1235.7	966.9	737.3	576.5
-15°	3762.8	3440.6	3098.2	2728.2	2330.3	1929.6	1539.9	1215.8	951.6	731.5	573.1
-17.5°	3719.0	3390.0	3047.5	2679.0	2282.0	1881.2	1502.8	1189.9	932.4	724.3	566.2
-20°	3640.7	3322.0	2983.1	2623.0	2219.2	1824.0	1456.1	1158.0	909.6	714.2	556.4



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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°	3552.8	3237.9	2902.8	2547.6	2143.5	1758.2	1399.7	1120.1	883.3	701.0	544.5
-25°	3459.0	3143.1	2809.4	2443.2	2060.0	1688.6	1343.1	1076.2	853.6	684.7	530.8
-27.5°	3348.8	3035.8	2703.7	2328.2	1963.0	1607.8	1288.9	1037.3	824.9	665.3	515.1
-30°	3225.0	2909.7	2571.5	2205.5	1856.6	1514.4	1228.1	995.8	800.7	644.1	497.7
-32.5°	3083.0	2770.6	2425.0	2079.9	1744.2	1415.4	1161.1	951.4	772.6	621.6	481.6
-35°	2921.5	2608.9	2269.8	1945.0	1625.2	1335.4	1095.4	904.3	740.8	597.2	464.6
-37.5°	2753.2	2435.3	2114.6	1804.2	1498.7	1248.8	1036.4	857.7	705.3	571.1	445.9
-40°	2561.1	2256.7	1951.7	1659.1	1389.1	1155.7	972.5	811.7	671.7	543.4	425.3
-42.5°	2363.2	2069.3	1781.8	1505.6	1281.0	1080.0	905.7	762.2	636.3	516.6	403.1
-45°	2149.8	1871.5	1601.1	1376.2	1171.0	999.8	847.1	710.9	598.5	489.1	380.1
-47.5°	1924.6	1663.0	1436.8	1241.4	1077.5	919.2	784.8	666.6	558.8	459.7	357.1
-50°	1686.2	1468.8	1285.5	1124.2	976.7	846.6	722.8	620.1	522.5	427.3	332.9
-52.5°	1474.8	1300.7	1149.1	1011.0	887.8	770.3	669.3	572.5	485.0	396.2	307.7
-55°	1293.8	1151.0	1023.1	908.1	799.7	704.9	613.8	530.2	446.5	365.0	282.1
-57.5°	1137.4	1012.7	910.2	810.4	720.9	640.0	563.2	486.9	409.6	332.7	261.9
-60°	987.2	894.1	802.9	722.7	646.9	578.2	515.5	443.7	372.3	300.5	239.4
-62.5°	857.4	777.9	709.0	639.1	576.2	520.2	467.4	401.4	334.0	270.6	215.0
-65°	735.8	674.8	616.1	560.3	508.1	460.6	417.9	358.1	295.6	238.9	189.7
-67.5°	620.4	574.4	528.3	481.4	440.3	401.9	365.4	311.4	255.4	205.6	164.6
-70°	517.2	477.9	441.7	407.0	373.6	341.6	307.2	261.6	213.5	175.8	138.9
-72.5°	419.8	391.0	361.0	332.5	307.8	279.7	248.0	212.4	178.7	145.4	112.6
-75°	329.6	310.7	289.5	266.8	243.9	218.7	197.8	172.9	143.5	114.5	90.7
-77.5°	263.7	245.3	224.1	206.0	190.6	173.4	154.4	132.8	109.5	89.0	70.1
-80°	194.6	180.4	168.4	158.0	143.8	128.1	112.4	96.6	79.6	63.8	49.2
-82.5°	118.7	115.6	112.3	107.4	95.6	83.9	72.5	61.3	49.3	38.1	31.6
-85°	59.4	58.1	56.4	53.8	46.5	39.5	36.2	32.8	28.8	24.8	21.1
-87.5°	19.5	21.0	22.1	23.0	21.4	19.7	18.1	16.4	14.4	12.4	10.6
-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°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.3	1.1	0.9	0.7	0.4	0.3	0.0
82.5°	1.9	1.6	1.3	1.0	0.7	0.4	0.0
80°	2.5	2.2	1.7	1.3	0.9	0.5	0.0
77.5°	2.5	2.5	2.2	1.6	1.1	0.7	0.0
75°	2.5	2.6	2.5	1.9	1.3	0.8	0.0
72.5°	2.6	2.7	2.6	2.2	1.5	1.0	0.0
70°	2.6	2.8	2.8	2.5	1.8	1.1	0.0
67.5°	2.9	2.9	2.9	2.7	2.0	1.2	0.0
65°	3.4	3.3	3.0	2.8	2.2	1.4	0.0
62.5°	3.9	4.1	3.2	2.9	2.4	1.5	0.0
60°	4.6	5.0	3.3	3.0	2.7	1.6	0.0
57.5°	8.6	6.0	4.3	3.2	2.8	1.7	0.0
55°	13.7	7.1	5.3	3.3	3.0	1.9	0.0
52.5°	19.6	9.1	6.4	3.5	3.1	2.0	0.0
50°	26.4	15.6	7.6	3.6	3.3	2.1	0.0
47.5°	35.5	22.5	8.8	4.0	3.4	2.2	0.0
45°	53.7	29.9	10.0	4.9	3.6	2.4	0.0
42.5°	72.2	37.8	11.3	5.9	3.7	2.5	0.0
40°	91.2	46.1	15.2	7.1	3.9	2.6	0.0
37.5°	110.5	54.9	21.7	8.6	4.0	2.7	0.0
35°	130.1	68.3	28.4	10.2	4.2	2.8	0.0
32.5°	151.4	83.7	35.1	12.1	4.4	2.9	0.0
30°	175.7	99.1	41.9	14.1	4.5	3.0	0.0
27.5°	199.5	114.3	50.2	16.2	4.7	3.1	0.0
25°	222.8	129.2	58.8	18.4	4.9	3.2	0.0
22.5°	245.4	144.4	67.4	20.7	5.0	3.3	0.0
20°	267.2	160.7	75.9	23.1	5.2	3.4	0.0
17.5°	288.8	176.5	84.2	25.6	5.3	3.4	0.0
15°	309.5	191.7	92.3	28.0	5.5	3.5	0.0
12.5°	328.9	206.2	100.2	30.5	5.7	3.6	0.0
10°	346.9	219.8	107.7	32.9	5.8	3.6	0.0
7.5°	363.4	232.6	114.8	35.2	5.9	3.7	0.0
5°	378.4	244.4	121.4	37.4	6.1	3.7	0.0
2.5°	391.9	255.1	127.5	39.5	6.2	3.8	0.0
0°	403.8	264.6	132.9	41.4	6.3	3.8	0.0
-2.5°	409.7	270.6	138.0	44.1	7.3	4.0	0.0
-5°	414.0	275.4	142.3	46.6	8.2	4.2	0.0
-7.5°	416.8	278.9	145.8	48.8	9.2	4.4	0.0
-10°	418.1	281.0	148.4	50.7	10.1	4.6	0.0
-12.5°	417.8	281.9	150.2	52.3	10.9	4.8	0.0
-15°	416.2	281.5	151.1	53.6	11.7	4.9	0.0
-17.5°	413.2	279.8	151.0	54.5	12.5	5.1	0.0
-20°	408.4	276.9	149.9	55.1	13.2	5.2	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	401.6	272.6	147.8	55.3	13.8	5.3	0.0
-25°	393.2	266.1	144.6	55.0	14.4	5.4	0.0
-27.5°	383.2	257.9	140.4	54.3	14.8	5.4	0.0
-30°	371.6	248.6	135.1	53.2	15.2	5.5	0.0
-32.5°	358.5	238.2	129.0	51.6	15.5	5.5	0.0
-35°	344.4	226.7	122.2	49.6	15.7	5.5	0.0
-37.5°	329.1	215.2	114.6	47.1	15.8	5.4	0.0
-40°	312.7	204.8	106.4	44.2	15.8	5.4	0.0
-42.5°	295.2	193.6	100.2	41.0	15.8	5.3	0.0
-45°	276.5	181.6	96.0	37.8	15.6	5.2	0.0
-47.5°	256.8	169.0	91.0	34.1	15.3	5.1	0.0
-50°	240.3	155.8	85.2	32.9	14.9	4.9	0.0
-52.5°	223.8	141.9	78.7	32.3	14.4	4.7	0.0
-55°	206.7	131.4	71.5	31.3	13.9	4.5	0.0
-57.5°	188.9	120.7	63.6	29.9	13.2	4.3	0.0
-60°	170.8	109.0	55.3	28.2	12.5	4.1	0.0
-62.5°	154.3	96.4	51.4	26.2	11.7	3.8	0.0
-65°	136.7	83.0	46.9	23.9	10.9	3.5	0.0
-67.5°	117.9	71.7	42.0	21.3	10.0	3.2	0.0
-70°	98.1	62.8	36.5	18.5	9.0	2.9	0.0
-72.5°	83.0	53.2	30.6	16.3	8.0	2.6	0.0
-75°	67.8	42.9	24.4	14.2	7.0	2.2	0.0
-77.5°	52.0	32.2	20.1	12.0	5.9	1.9	0.0
-80°	35.5	24.6	16.3	9.7	4.7	1.5	0.0
-82.5°	26.1	18.6	12.3	7.3	3.6	1.1	0.0
-85°	17.5	12.4	8.2	4.9	2.4	0.8	0.0
-87.5°	8.8	6.2	4.1	2.5	1.2	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)