

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: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645531 (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-SA5D-740-U-LAM-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR  
Light Source: (80) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26765 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

Beam Angle (50%): 105.6°H x 93.7°V  
Beam Lumens: 20923.3 lumens  
Beam Efficiency: 78.2%

Field Angle (10%): 144°H x 131.2°V  
Field Lumens: 26233.5 lumens  
Field Efficiency: 98.0%

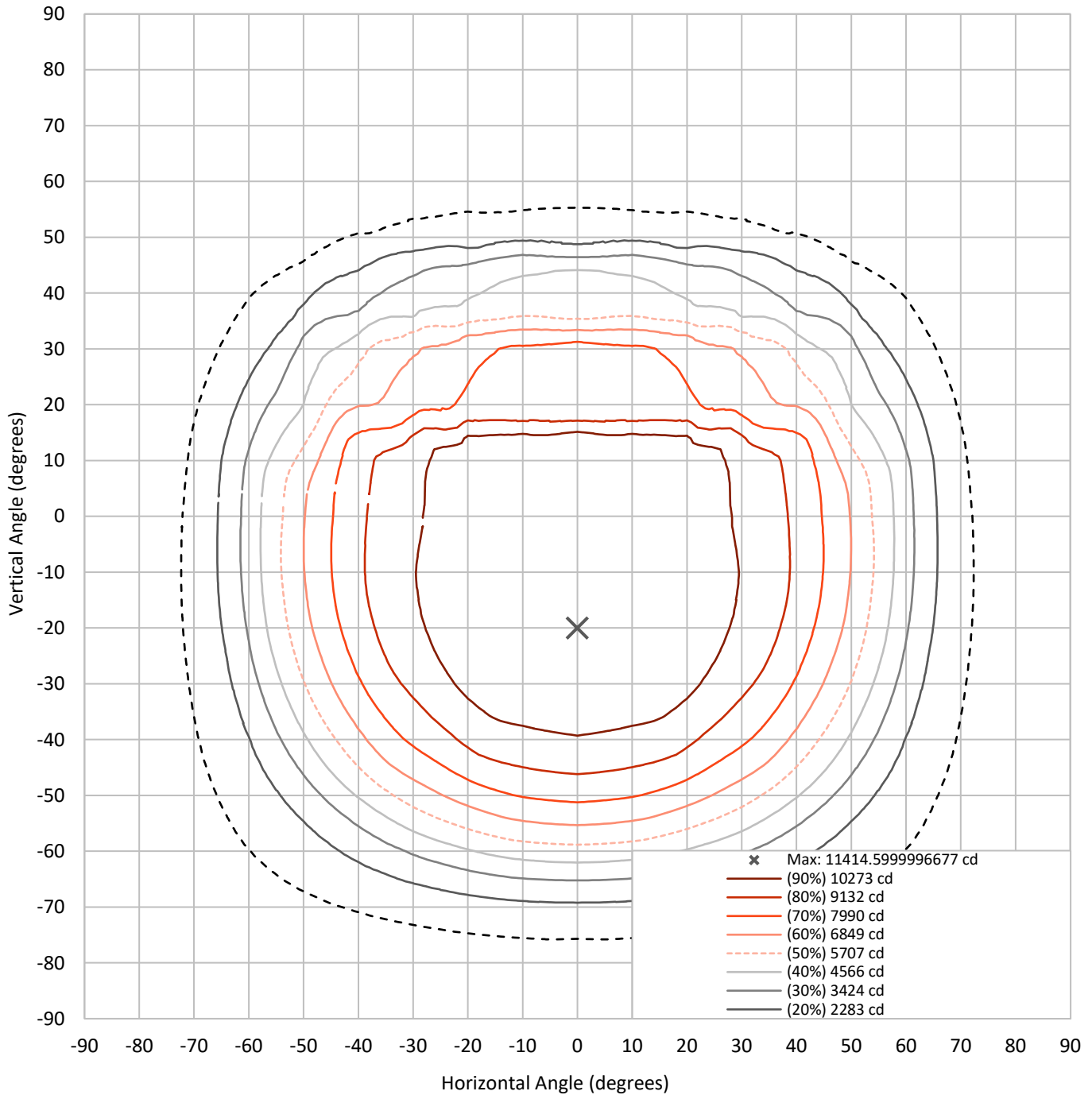
NEMA Type: 7H x 7V  
Max Intensity: 11414.6 candela  
Max Intensity Angle: 0°H x -20°V

Input Watts (W): 271.3  
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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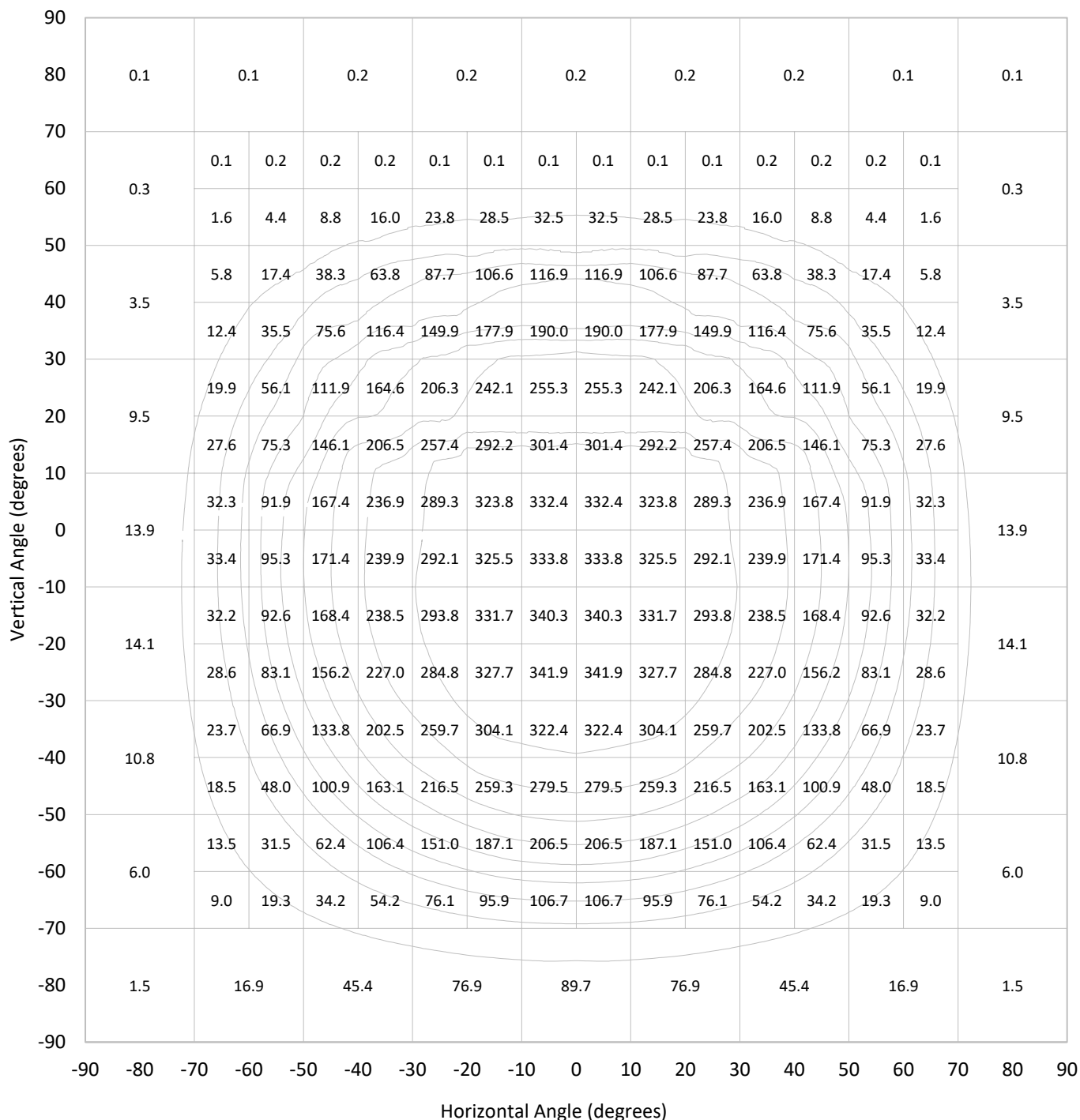
### Iso-Candela Plot





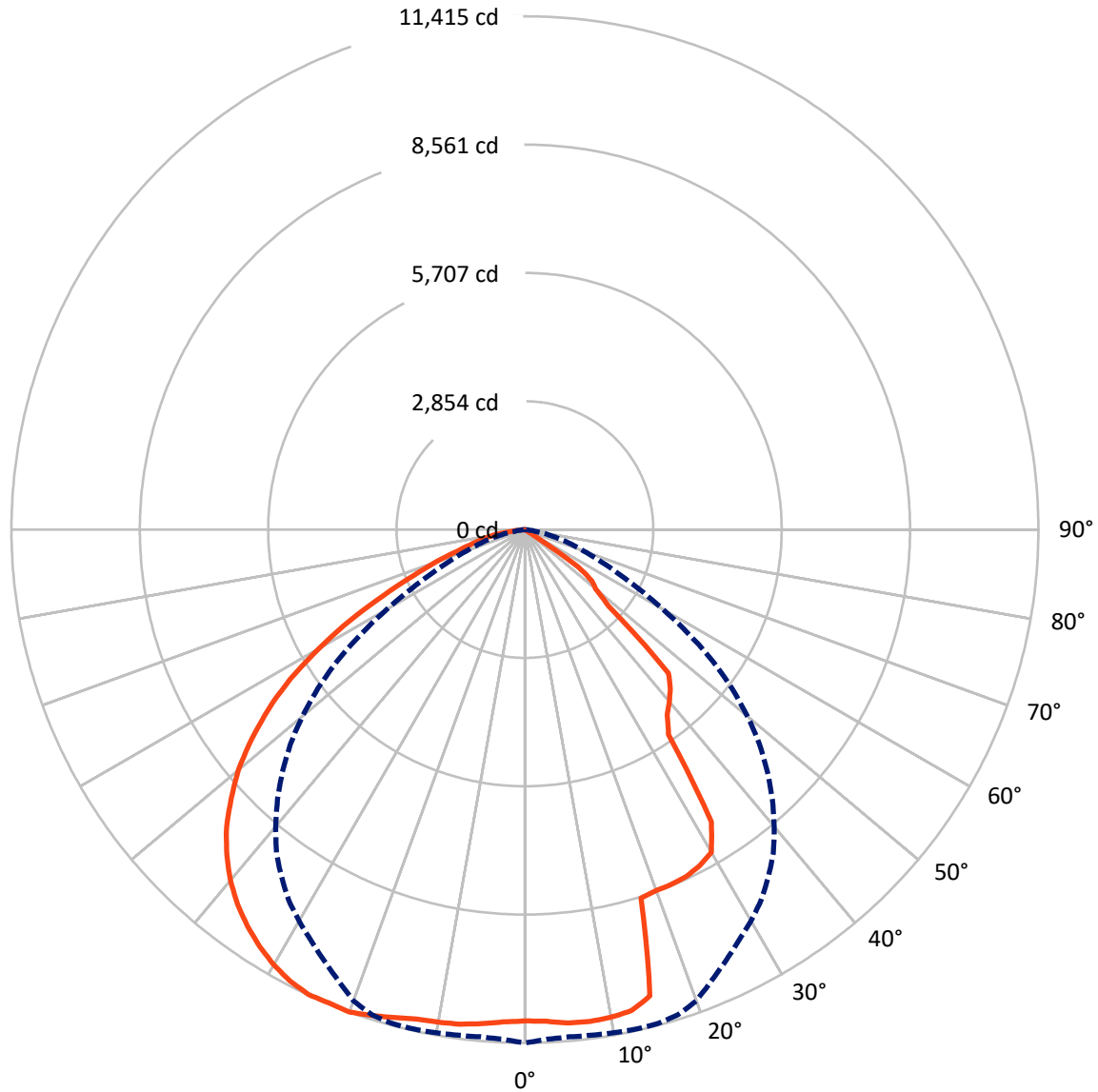
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### Lumen Table



REPORT NUMBER: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Luminous Intensity Polar Plot

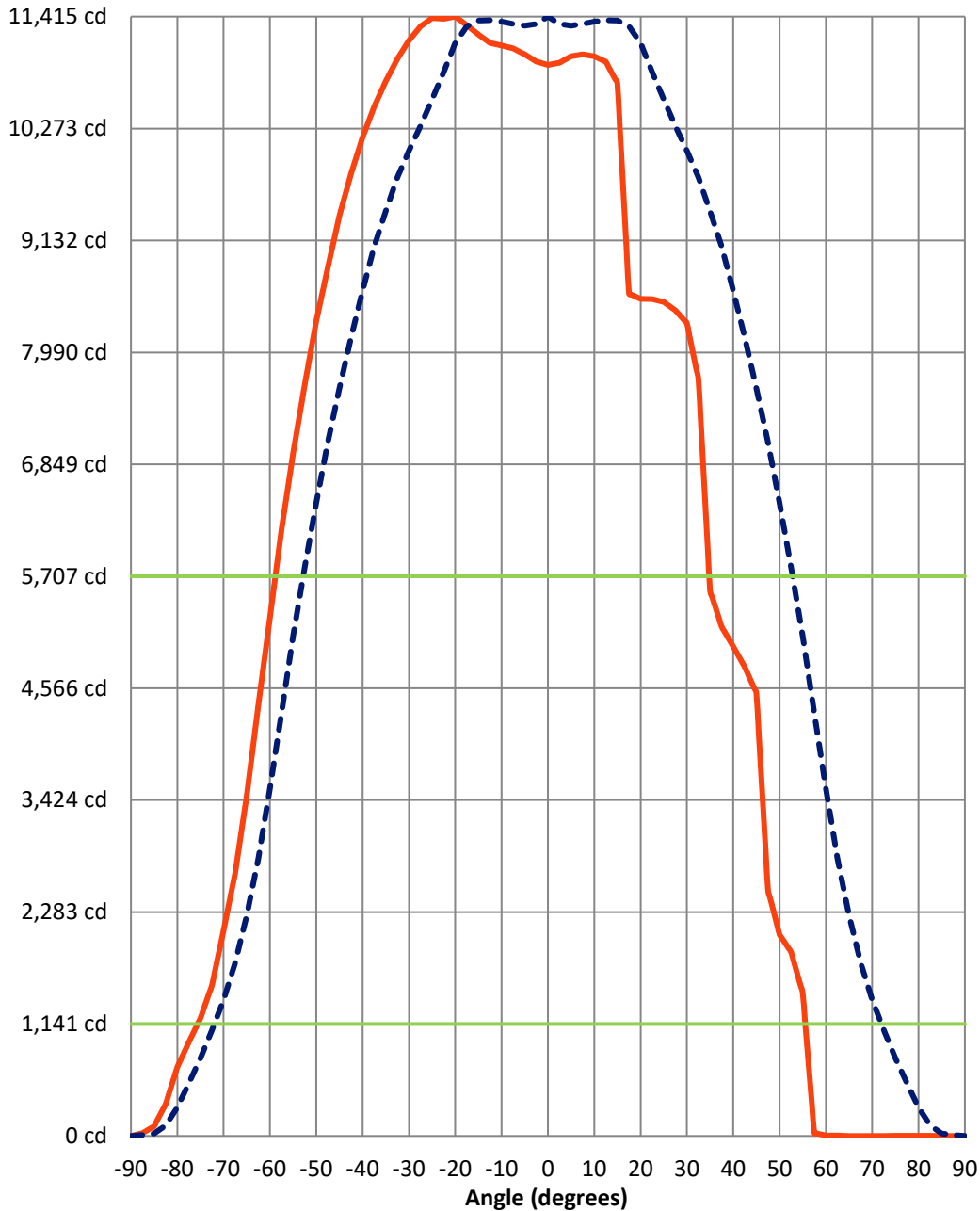


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through -20-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 105.6°  
 V Angle: 93.7°  
 Lumens: 20923.3  
 Efficiency: 78.2%

**Field:**  
 H Angle: 144°  
 V Angle: 131.2°  
 Lumens: 26233.5  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 531.5  
 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	0.3	0.4	0.6	0.9	1.1	1.3	1.3	1.2	1.2	1.0
85°	0.0	0.5	0.9	1.3	1.7	2.1	2.5	2.6	2.5	2.3	2.0
82.5°	0.0	0.8	1.3	1.9	2.5	3.2	3.8	3.9	3.7	3.1	2.4
80°	0.0	1.1	1.7	2.5	3.4	4.2	4.9	4.3	3.7	3.1	2.5
77.5°	0.0	1.3	2.1	3.2	4.2	4.9	4.9	4.4	3.8	3.1	2.5
75°	0.0	1.6	2.6	3.8	4.9	5.1	5.0	4.4	3.8	3.2	2.6
72.5°	0.0	1.9	3.0	4.4	5.2	5.3	5.0	4.5	3.9	3.3	2.7
70°	0.0	2.1	3.4	4.9	5.4	5.4	5.2	4.5	3.9	3.4	3.9
67.5°	0.0	2.4	3.9	5.2	5.6	5.6	5.7	4.6	4.1	5.4	5.5
65°	0.0	2.6	4.3	5.4	5.9	6.5	6.6	4.7	6.5	7.6	9.6
62.5°	0.0	2.9	4.8	5.7	6.1	8.1	7.7	6.5	9.0	13.3	21.3
60°	0.0	3.1	5.2	5.9	6.4	9.8	9.0	9.2	11.7	33.8	36.9
57.5°	0.0	3.4	5.5	6.2	8.3	11.7	16.7	13.0	33.1	57.5	66.8
55°	0.0	3.6	5.7	6.4	10.3	13.9	26.6	21.0	61.4	88.7	108.1
52.5°	0.0	3.9	6.0	6.7	12.5	17.8	38.1	53.4	92.3	139.2	156.8
50°	0.0	4.1	6.3	7.0	14.7	30.3	51.4	90.2	132.0	195.4	245.0
47.5°	0.0	4.3	6.6	7.6	17.0	43.7	69.1	128.8	190.1	257.3	335.1
45°	0.0	4.6	6.9	9.5	19.4	58.1	104.3	169.1	255.2	335.4	422.5
42.5°	0.0	4.8	7.2	11.3	21.9	73.5	140.3	220.4	321.5	411.4	523.4
40°	0.0	5.0	7.5	13.7	29.6	89.7	177.1	278.6	389.7	485.9	631.3
37.5°	0.0	5.2	7.8	16.6	42.3	106.8	214.6	337.0	461.3	575.5	744.1
35°	0.0	5.4	8.1	19.9	55.2	132.7	252.7	395.4	534.0	685.6	877.3
32.5°	0.0	5.6	8.4	23.4	68.2	162.7	294.0	453.5	607.6	796.2	1039.3
30°	0.0	5.8	8.8	27.3	81.4	192.5	341.3	512.2	681.8	907.2	1194.7
27.5°	0.0	6.0	9.1	31.4	97.7	222.0	387.6	573.4	763.4	1017.9	1343.3
25°	0.0	6.2	9.4	35.8	114.3	251.0	432.8	633.8	855.5	1138.9	1484.9
22.5°	0.0	6.3	9.7	40.3	131.0	280.5	476.7	693.3	945.7	1259.8	1628.3
20°	0.0	6.5	10.0	44.9	147.4	312.3	519.1	751.5	1033.6	1373.9	1768.2
17.5°	0.0	6.6	10.3	49.7	163.6	343.0	561.1	808.1	1118.6	1481.0	1903.7
15°	0.0	6.8	10.6	54.4	179.4	372.5	601.4	860.7	1200.4	1580.9	2033.9
12.5°	0.0	6.9	10.9	59.2	194.7	400.6	639.1	907.6	1265.6	1673.4	2157.8
10°	0.0	7.0	11.2	63.8	209.3	427.2	674.0	950.7	1314.2	1728.9	2258.7
7.5°	0.0	7.1	11.5	68.3	223.1	452.0	706.2	990.1	1355.6	1771.8	2317.5
5°	0.0	7.2	11.7	72.6	236.0	474.9	735.4	1025.5	1390.2	1806.5	2365.4
2.5°	0.0	7.2	12.0	76.7	247.8	495.7	761.6	1057.0	1418.2	1833.2	2402.1
0°	0.0	7.3	12.2	80.4	258.3	514.2	784.7	1084.4	1440.2	1852.1	2427.2
-2.5°	0.0	7.7	14.1	85.7	268.1	525.9	796.2	1100.4	1448.1	1876.0	2443.6
-5°	0.0	8.1	16.0	90.5	276.5	535.2	804.6	1112.1	1450.8	1891.5	2448.8
-7.5°	0.0	8.5	17.8	94.8	283.3	541.9	810.0	1119.4	1448.8	1897.8	2443.3
-10°	0.0	8.9	19.5	98.5	288.5	546.1	812.4	1122.2	1442.6	1894.1	2427.8
-12.5°	0.0	9.2	21.2	101.7	291.9	547.8	812.0	1120.3	1432.6	1878.8	2401.1
-15°	0.0	9.5	22.8	104.2	293.6	547.1	808.8	1113.7	1421.3	1849.0	2362.5
-17.5°	0.0	9.8	24.3	106.0	293.4	543.8	802.9	1100.3	1407.5	1811.8	2312.2
-20°	0.0	10.0	25.6	107.1	291.3	538.0	793.7	1081.1	1387.8	1767.4	2250.2

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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	10.2	26.8	107.4	287.2	529.8	780.4	1058.1	1362.2	1716.3	2176.5
-25°	0.0	10.4	27.9	106.9	281.0	517.1	764.1	1031.4	1330.6	1658.7	2091.2
-27.5°	0.0	10.5	28.8	105.6	272.9	501.2	744.7	1001.0	1292.8	1602.9	2015.6
-30°	0.0	10.5	29.6	103.4	262.6	483.1	722.2	967.2	1251.6	1555.8	1934.9
-32.5°	0.0	10.6	30.1	100.4	250.7	462.9	696.7	935.9	1207.8	1501.3	1848.6
-35°	0.0	10.6	30.5	96.4	237.4	440.6	669.2	902.9	1160.5	1439.5	1757.0
-37.5°	0.0	10.5	30.7	91.6	222.8	418.1	639.6	866.4	1109.8	1370.5	1666.6
-40°	0.0	10.4	30.8	85.9	206.9	397.8	607.7	826.6	1055.9	1305.3	1577.3
-42.5°	0.0	10.2	30.6	79.7	194.8	376.1	573.5	783.3	1003.8	1236.4	1481.1
-45°	0.0	10.0	30.2	73.5	186.5	352.9	537.3	738.7	950.5	1163.0	1381.4
-47.5°	0.0	9.8	29.7	66.3	176.8	328.5	498.9	693.9	893.4	1085.9	1295.2
-50°	0.0	9.5	29.0	64.0	165.6	302.7	466.9	646.9	830.3	1015.2	1204.9
-52.5°	0.0	9.2	28.0	62.7	153.0	275.7	434.8	597.9	769.9	942.4	1112.4
-55°	0.0	8.8	26.9	60.7	139.0	255.3	401.5	548.2	709.3	867.6	1030.2
-57.5°	0.0	8.3	25.6	58.1	123.6	234.5	367.0	508.8	646.5	795.9	946.2
-60°	0.0	7.9	24.2	54.8	107.6	211.8	331.9	465.2	583.8	723.5	862.2
-62.5°	0.0	7.4	22.7	50.9	99.9	187.3	299.9	417.8	525.8	649.0	780.1
-65°	0.0	6.8	21.1	46.5	91.2	161.2	265.6	368.6	464.3	574.3	695.9
-67.5°	0.0	6.2	19.4	41.5	81.5	139.4	229.1	319.8	399.6	496.3	605.0
-70°	0.0	5.6	17.5	36.0	70.9	122.0	190.6	269.8	341.6	414.8	508.3
-72.5°	0.0	5.0	15.6	31.7	59.5	103.3	161.2	218.7	282.6	347.3	412.8
-75°	0.0	4.3	13.5	27.5	47.3	83.4	131.8	176.3	222.4	278.9	336.1
-77.5°	0.0	3.6	11.4	23.2	39.1	62.6	100.9	136.2	173.0	212.7	258.1
-80°	0.0	2.9	9.2	18.8	31.6	47.7	68.9	95.5	123.9	154.6	187.7
-82.5°	0.0	2.2	6.9	14.2	23.9	36.0	50.6	61.3	74.0	95.7	119.1
-85°	0.0	1.5	4.7	9.5	16.0	24.2	33.9	40.9	48.2	55.8	63.7
-87.5°	0.0	0.7	2.3	4.8	8.0	12.1	17.0	20.5	24.2	27.9	31.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9
85°	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.6	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	2.8	3.1	3.1	2.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4
70°	3.8	3.9	3.4	2.8	2.4	2.5	2.8	2.7	2.4	2.4	2.4
67.5°	4.7	4.1	3.5	3.3	3.3	3.7	3.6	3.0	2.4	2.4	2.5
65°	4.8	4.2	6.1	6.9	5.1	4.3	3.7	3.1	3.3	3.5	3.5
62.5°	7.3	9.1	11.6	20.6	15.4	4.5	8.0	9.5	7.0	5.8	6.2
60°	23.8	16.2	48.0	68.8	43.0	15.7	19.1	63.6	55.2	10.1	34.4
57.5°	50.0	68.6	126.5	128.8	89.0	61.4	178.7	206.4	156.3	91.2	139.5
55°	110.2	169.3	209.7	194.1	212.0	321.1	381.5	342.7	288.6	443.9	567.1
52.5°	215.2	275.6	289.2	332.1	475.4	546.2	523.4	559.8	726.0	901.5	939.6
50°	317.7	367.1	405.5	586.4	698.5	705.6	757.7	922.3	1143.9	1251.3	1225.3
47.5°	416.8	467.9	647.1	820.9	871.2	940.2	1070.4	1388.1	1622.8	1627.3	1600.8
45°	521.6	658.1	886.8	1000.1	1081.8	1215.3	1529.6	1967.9	1990.6	2054.2	2445.9
42.5°	633.7	872.9	1072.4	1190.3	1322.2	1571.3	1990.8	2278.3	2377.1	2655.9	2970.9
40°	815.2	1080.3	1254.7	1405.3	1575.0	1938.3	2397.8	2667.2	2747.6	2988.8	3225.6
37.5°	999.3	1253.6	1448.9	1630.7	1865.9	2356.3	2887.9	3110.0	3150.7	3194.8	3719.5
35°	1176.7	1431.3	1665.1	1902.9	2191.4	2897.4	3361.9	3570.9	3564.4	3862.2	4411.6
32.5°	1342.5	1612.8	1888.9	2206.9	2683.0	3406.2	3871.0	3996.1	4185.8	4619.1	5368.9
30°	1508.1	1815.5	2132.3	2511.3	3114.3	3741.2	4271.8	4473.0	4798.1	5292.7	5838.4
27.5°	1678.6	2023.2	2406.4	2850.5	3454.8	4031.0	4484.2	4965.0	5280.8	5724.1	6112.3
25°	1848.5	2243.1	2676.9	3147.0	3698.1	4235.2	4704.0	5259.1	5598.2	5955.6	6317.8
22.5°	2026.6	2466.0	2956.0	3381.9	3903.3	4408.8	4966.8	5569.1	6009.9	6237.0	6480.2
20°	2212.8	2707.3	3229.9	3701.7	4105.8	4570.0	5230.7	5962.4	6531.6	6787.2	6820.5
17.5°	2396.3	2941.0	3502.8	4013.7	4449.5	4862.7	5507.8	6433.8	7141.5	7379.1	7484.7
15°	2575.3	3165.8	3774.4	4317.3	4795.8	5301.0	5989.9	6931.5	7740.6	8003.6	8169.8
12.5°	2748.1	3380.1	4041.5	4610.9	5142.3	5709.0	6427.6	7289.6	8028.2	8536.7	8841.7
10°	2912.7	3582.5	4300.8	4892.6	5484.8	6087.3	6789.9	7556.4	8157.6	8648.1	9081.1
7.5°	2995.7	3714.8	4523.5	5160.8	5818.8	6437.0	7086.5	7744.5	8250.8	8731.9	9150.6
5°	3052.2	3769.2	4593.1	5254.3	5996.2	6670.4	7300.9	7868.0	8311.7	8788.5	9197.5
2.5°	3092.4	3804.4	4640.2	5305.4	6062.8	6742.1	7362.6	7909.3	8361.9	8829.0	9247.8
0°	3116.8	3821.1	4664.3	5336.9	6104.5	6789.3	7398.5	7924.9	8395.2	8848.5	9299.3
-2.5°	3130.6	3872.2	4680.3	5417.8	6144.8	6830.0	7448.7	7962.6	8454.0	8885.3	9337.3
-5°	3128.9	3902.7	4676.1	5472.1	6164.1	6845.8	7473.8	7979.6	8485.9	8912.9	9352.8
-7.5°	3111.9	3909.8	4655.0	5489.2	6164.9	6840.5	7462.8	7987.7	8485.4	8938.3	9354.2
-10°	3081.6	3882.2	4635.5	5445.1	6141.3	6812.8	7429.1	7969.8	8465.6	8933.2	9346.1
-12.5°	3045.9	3825.2	4594.9	5381.7	6093.2	6760.9	7378.0	7924.2	8428.5	8894.9	9327.5
-15°	2992.3	3749.4	4528.1	5301.2	6020.1	6685.5	7311.6	7849.7	8371.3	8828.1	9272.2
-17.5°	2920.2	3655.5	4434.1	5205.6	5921.6	6587.2	7226.4	7751.4	8270.5	8742.4	9171.1
-20°	2829.5	3544.2	4312.1	5096.9	5796.4	6455.1	7074.4	7624.2	8139.9	8619.9	9070.3

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Scaled Data Report



REPORT NUMBER: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-740-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°	2719.7	3416.3	4165.1	4950.3	5640.4	6291.6	6903.4	7462.1	7996.5	8460.8	8940.7
-25°	2609.8	3281.1	4002.7	4747.4	5459.1	6107.5	6721.2	7265.4	7811.6	8294.6	8750.4
-27.5°	2504.5	3124.2	3814.2	4523.9	5253.6	5898.9	6507.1	7051.7	7582.0	8110.0	8548.9
-30°	2386.4	2942.8	3607.6	4285.5	4996.7	5653.8	6266.5	6831.6	7336.3	7857.6	8328.9
-32.5°	2256.0	2750.3	3389.3	4041.4	4712.1	5383.6	5990.7	6552.0	7077.0	7570.1	8064.8
-35°	2128.5	2594.8	3158.0	3779.4	4410.5	5069.4	5676.8	6232.7	6777.6	7266.1	7738.8
-37.5°	2013.8	2426.5	2912.1	3505.7	4108.9	4732.0	5349.9	5888.0	6406.5	6943.6	7404.5
-40°	1889.8	2245.8	2699.2	3223.9	3792.4	4384.9	4976.5	5533.3	6020.6	6551.4	7058.4
-42.5°	1759.8	2098.6	2489.1	2925.5	3462.2	4020.9	4591.9	5136.5	5642.7	6143.4	6645.8
-45°	1646.0	1942.7	2275.4	2674.1	3111.0	3636.5	4177.2	4720.1	5205.8	5683.0	6179.1
-47.5°	1524.9	1786.1	2093.7	2412.2	2791.9	3231.3	3739.7	4240.4	4737.6	5191.7	5630.7
-50°	1404.4	1645.1	1897.9	2184.6	2498.0	2854.1	3276.4	3741.8	4196.1	4662.2	5097.1
-52.5°	1300.5	1496.7	1725.2	1964.5	2232.8	2527.4	2865.7	3248.0	3661.1	4056.7	4490.6
-55°	1192.6	1369.6	1554.0	1764.6	1987.9	2236.6	2513.9	2835.3	3150.4	3516.3	3870.5
-57.5°	1094.4	1243.6	1400.8	1574.8	1768.7	1967.7	2210.1	2460.1	2746.1	3030.4	3310.9
-60°	1001.7	1123.6	1257.0	1404.3	1560.2	1737.3	1918.2	2132.9	2363.2	2590.2	2828.2
-62.5°	908.2	1010.8	1119.5	1241.8	1377.7	1511.6	1666.1	1831.5	2001.0	2193.3	2381.0
-65°	812.2	895.1	987.2	1088.7	1197.1	1311.1	1429.8	1552.3	1696.5	1837.4	1973.9
-67.5°	710.1	781.1	855.6	935.5	1026.5	1116.0	1205.4	1308.8	1415.0	1519.4	1627.5
-70°	597.0	663.9	726.1	790.8	858.4	928.6	1004.9	1080.8	1155.7	1233.9	1320.6
-72.5°	482.0	543.5	598.2	646.1	701.6	759.9	815.7	868.9	925.4	984.8	1043.5
-75°	384.4	425.1	473.9	518.5	562.7	603.7	640.5	685.7	732.8	776.0	811.5
-77.5°	300.1	337.0	370.4	400.3	435.5	476.6	512.5	543.2	573.2	605.8	640.4
-80°	218.3	249.0	279.4	307.1	327.3	350.6	378.1	409.5	436.8	458.9	479.1
-82.5°	140.9	163.1	185.8	208.8	218.2	224.6	230.6	241.5	258.4	275.0	290.9
-85°	70.2	76.7	90.5	104.7	109.6	113.0	115.3	116.6	122.3	127.6	132.2
-87.5°	35.1	38.4	41.6	44.7	43.1	40.8	37.9	34.5	33.7	32.7	31.5
-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: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-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°	2.0	2.0	2.1	2.1	2.2	1.7	1.1	0.6	0.0	0.0	0.0
85°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.2	1.7	1.2
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
67.5°	2.6	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.1	1.5
65°	3.4	3.3	3.5	3.4	3.0	2.9	3.0	2.9	2.6	2.1	1.4
62.5°	6.1	6.9	5.5	5.4	5.3	5.2	4.9	4.6	4.3	4.1	4.3
60°	38.2	22.6	13.2	15.4	13.8	9.2	11.7	13.8	13.9	12.8	11.2
57.5°	211.8	158.2	117.1	279.6	280.5	133.9	161.3	253.5	208.8	68.6	63.7
55°	589.3	704.8	927.6	881.1	895.4	1029.9	1124.6	995.6	976.0	1040.0	1201.4
52.5°	1058.6	1168.8	1243.7	1313.8	1399.2	1490.9	1585.4	1645.5	1701.7	1761.6	1797.2
50°	1351.9	1507.1	1613.7	1574.4	1795.3	1885.6	1793.9	1875.9	1975.9	2003.3	2016.2
47.5°	1996.2	2223.8	2269.0	2415.6	2547.3	2544.5	2432.7	2439.2	2736.9	2999.5	3128.5
45°	2868.8	2876.6	3019.7	3278.6	3463.6	3405.4	3561.6	3916.6	4034.8	4149.1	4242.8
42.5°	3208.8	3349.7	3578.0	3806.9	3944.9	4064.6	4180.2	4310.7	4464.2	4588.6	4688.1
40°	3537.9	3651.5	3885.3	4069.7	4183.9	4295.6	4430.4	4575.0	4715.4	4824.8	4899.5
37.5°	4044.6	4132.6	4189.5	4360.6	4576.8	4477.0	4732.7	4916.0	4999.8	5110.9	5120.9
35°	4811.0	4752.5	4676.7	5358.0	5398.8	5168.7	5407.8	5692.0	5542.2	5854.2	6021.9
32.5°	5490.6	5481.9	6076.5	6434.7	6228.6	6396.8	6948.0	6923.6	7291.0	7461.4	7412.8
30°	6130.8	6349.2	6693.1	6959.9	6995.6	7260.8	7505.6	7720.1	7941.9	8140.7	8154.3
27.5°	6455.8	6740.8	6974.3	7128.7	7300.9	7524.1	7746.2	7987.7	8176.3	8301.0	8331.5
25°	6652.3	6943.6	7120.3	7286.5	7476.6	7669.2	7917.9	8180.9	8332.4	8409.3	8433.9
22.5°	6825.7	7087.4	7277.4	7412.2	7616.8	7824.0	8055.9	8278.5	8443.2	8476.7	8488.9
20°	6992.5	7244.0	7561.3	7759.8	7749.9	7983.3	8206.8	8383.8	8521.0	8520.3	8523.5
17.5°	7475.2	7564.9	8140.9	8578.2	8361.7	8247.5	8862.0	8873.6	8910.1	8837.6	8680.3
15°	8189.8	8353.1	9060.8	9534.8	9385.6	9377.7	10265.3	10045.2	10234.6	10185.0	10398.2
12.5°	8946.7	9140.1	9668.9	10134.5	10356.3	10410.8	10707.3	10985.0	11042.1	11019.6	10977.6
10°	9462.3	9737.9	9950.4	10232.9	10456.6	10684.8	10856.6	11056.0	11121.4	11083.6	11030.2
7.5°	9529.5	9801.9	10051.3	10299.2	10512.2	10696.1	10874.3	11036.7	11103.2	11081.2	11044.5
5°	9572.2	9818.9	10060.7	10312.2	10515.9	10686.3	10863.9	11028.4	11067.6	11041.3	11005.5
2.5°	9598.5	9826.9	10059.9	10310.4	10495.5	10657.6	10837.4	11012.9	11012.6	11001.0	10980.1
0°	9611.3	9840.3	10110.8	10337.5	10544.6	10698.1	10876.0	11046.6	11034.4	11002.8	10966.2
-2.5°	9638.7	9870.8	10146.8	10334.7	10568.2	10708.8	10892.7	11040.4	11034.7	11019.1	11001.0
-5°	9663.1	9924.1	10182.4	10379.9	10614.0	10797.9	10980.6	11096.1	11102.3	11080.6	11050.1
-7.5°	9678.0	9967.3	10213.7	10412.1	10639.1	10853.0	11038.4	11159.6	11162.3	11133.4	11096.9
-10°	9673.0	9978.5	10232.1	10437.2	10669.6	10880.8	11074.6	11228.4	11223.3	11195.9	11164.7
-12.5°	9654.7	9959.9	10220.3	10426.0	10690.0	10907.3	11125.4	11278.3	11286.4	11265.8	11232.1
-15°	9614.6	9929.6	10183.0	10407.6	10666.3	10920.4	11144.4	11313.1	11343.2	11326.3	11299.7
-17.5°	9535.2	9867.6	10136.4	10378.4	10626.6	10897.5	11152.3	11336.7	11377.8	11371.1	11349.1
-20°	9430.9	9774.0	10046.8	10300.3	10570.6	10849.6	11146.1	11314.6	11374.4	11378.1	11363.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5D-740-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°	9313.9	9649.8	9939.1	10188.4	10481.5	10763.9	11032.4	11229.8	11330.1	11348.7	11349.9
-25°	9173.6	9518.7	9806.2	10071.6	10344.2	10635.9	10907.2	11127.5	11229.2	11277.8	11292.9
-27.5°	8975.3	9332.0	9614.9	9895.4	10172.7	10474.0	10759.2	10998.8	11081.4	11148.2	11175.0
-30°	8743.0	9095.7	9384.1	9640.6	9957.9	10265.1	10559.3	10768.4	10893.1	10969.5	11011.2
-32.5°	8475.8	8832.0	9134.6	9402.5	9704.0	10011.2	10288.1	10508.5	10680.5	10768.6	10813.2
-35°	8186.2	8549.7	8866.7	9148.8	9432.7	9725.5	10012.3	10243.0	10438.9	10514.6	10570.5
-37.5°	7836.7	8237.8	8562.8	8853.8	9123.6	9398.8	9697.5	9961.2	10151.4	10224.9	10283.8
-40°	7478.5	7866.1	8193.9	8504.2	8771.0	9071.5	9359.2	9635.6	9800.7	9886.3	9953.1
-42.5°	7100.3	7450.4	7762.1	8063.7	8360.6	8670.0	8957.5	9244.7	9387.5	9490.8	9572.6
-45°	6663.7	6989.5	7292.4	7574.6	7880.7	8184.8	8472.5	8726.4	8896.3	9030.7	9135.3
-47.5°	6081.6	6478.5	6782.6	7051.0	7354.5	7648.0	7926.8	8165.4	8351.7	8509.0	8630.4
-50°	5490.4	5871.3	6214.3	6515.9	6797.4	7068.8	7334.2	7567.7	7764.8	7935.2	8058.3
-52.5°	4908.2	5265.1	5605.5	5916.7	6187.4	6443.6	6686.4	6921.3	7129.2	7311.4	7430.4
-55°	4250.4	4620.1	4956.8	5247.0	5517.5	5770.7	6010.4	6233.2	6437.9	6623.4	6737.5
-57.5°	3633.3	3957.6	4270.8	4538.8	4794.0	5035.2	5262.5	5475.8	5672.8	5847.4	5957.3
-60°	3066.0	3302.5	3572.0	3819.4	4045.7	4250.9	4463.0	4661.9	4842.8	4996.3	5098.8
-62.5°	2564.6	2760.5	2955.2	3143.3	3326.9	3511.3	3688.8	3853.7	4004.9	4130.7	4220.5
-65°	2117.8	2275.3	2416.0	2549.5	2676.6	2822.0	2957.0	3084.0	3201.5	3297.9	3366.3
-67.5°	1743.9	1854.5	1951.8	2043.3	2143.6	2246.4	2342.7	2426.7	2498.5	2555.6	2600.8
-70°	1406.3	1487.7	1561.1	1634.1	1707.3	1774.1	1837.8	1899.6	1958.3	2006.1	2041.9
-72.5°	1101.4	1156.9	1206.9	1263.1	1315.8	1366.5	1410.6	1446.3	1473.9	1500.8	1524.3
-75°	839.6	881.4	937.8	985.4	1024.8	1059.5	1091.4	1119.8	1144.8	1166.9	1186.4
-77.5°	675.3	710.8	746.7	781.4	815.0	840.0	863.2	886.4	909.2	928.8	946.0
-80°	500.5	527.0	554.7	582.5	610.3	624.1	635.1	645.3	654.4	666.1	677.0
-82.5°	306.0	321.0	336.4	352.0	367.6	371.5	372.9	372.5	370.5	366.3	359.8
-85°	136.2	137.0	136.6	135.0	132.4	127.1	120.5	112.8	104.3	102.9	101.3
-87.5°	30.0	29.3	28.5	27.6	26.5	26.4	26.3	26.1	25.9	26.7	27.6
-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: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-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	0.6
85°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.7	2.2	2.2
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	2.4	2.4	1.3	0.0	1.3	2.4	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	1.3	0.0	1.3	2.4	2.4	2.4	2.4	2.4	2.4
67.5°	0.9	0.2	0.0	0.0	0.0	0.2	0.9	1.5	2.1	2.4	2.4
65°	0.8	0.1	0.0	0.0	0.0	0.1	0.8	1.4	2.1	2.6	2.9
62.5°	4.5	4.7	4.8	4.9	4.8	4.7	4.5	4.3	4.1	4.3	4.6
60°	8.8	5.8	4.9	4.9	4.9	5.8	8.8	11.2	12.8	13.9	13.8
57.5°	53.9	40.2	34.2	31.7	34.2	40.2	53.9	63.7	68.6	208.8	253.5
55°	1317.0	1384.1	1434.1	1457.3	1434.1	1384.1	1317.0	1201.4	1040.0	976.0	995.6
52.5°	1828.6	1857.8	1874.6	1874.0	1874.6	1857.8	1828.6	1797.2	1761.6	1701.7	1645.5
50°	2038.2	2052.4	2057.4	2054.3	2057.4	2052.4	2038.2	2016.2	2003.3	1975.9	1875.9
47.5°	3010.6	2750.0	2558.5	2512.5	2558.5	2750.0	3010.6	3128.5	2999.5	2736.9	2439.2
45°	4287.8	4386.6	4485.0	4515.6	4485.0	4386.6	4287.8	4242.8	4149.1	4034.8	3916.6
42.5°	4730.1	4762.3	4780.5	4781.3	4780.5	4762.3	4730.1	4688.1	4588.6	4464.2	4310.7
40°	4941.2	4971.6	4989.2	4990.8	4989.2	4971.6	4941.2	4899.5	4824.8	4715.4	4575.0
37.5°	5133.0	5158.8	5175.8	5193.1	5175.8	5158.8	5133.0	5120.9	5110.9	4999.8	4916.0
35°	5999.3	5803.0	5520.8	5563.5	5520.8	5803.0	5999.3	6021.9	5854.2	5542.2	5692.0
32.5°	7488.8	7571.3	7622.7	7710.5	7622.7	7571.3	7488.8	7412.8	7461.4	7291.0	6923.6
30°	8176.1	8203.3	8244.6	8288.0	8244.6	8203.3	8176.1	8154.3	8140.7	7941.9	7720.1
27.5°	8347.6	8375.8	8400.8	8419.6	8400.8	8375.8	8347.6	8331.5	8301.0	8176.3	7987.7
25°	8437.3	8454.9	8481.5	8504.9	8481.5	8454.9	8437.3	8433.9	8409.3	8332.4	8180.9
22.5°	8481.9	8483.7	8504.6	8534.1	8504.6	8483.7	8481.9	8488.9	8476.7	8443.2	8278.5
20°	8512.5	8495.9	8517.4	8536.6	8517.4	8495.9	8512.5	8523.5	8520.3	8521.0	8383.8
17.5°	8902.1	8679.8	8588.5	8590.2	8588.5	8679.8	8902.1	8680.3	8837.6	8910.1	8873.6
15°	10158.9	10242.3	10562.0	10734.7	10562.0	10242.3	10158.9	10398.2	10185.0	10234.6	10045.2
12.5°	10969.9	10940.3	10902.3	10954.0	10902.3	10940.3	10969.9	10977.6	11019.6	11042.1	10985.0
10°	11007.5	11004.1	10936.4	11010.1	10936.4	11004.1	11007.5	11030.2	11083.6	11121.4	11056.0
7.5°	10984.5	10986.5	10957.7	11029.6	10957.7	10986.5	10984.5	11044.5	11081.2	11103.2	11036.7
5°	10999.7	10950.2	10968.9	11010.1	10968.9	10950.2	10999.7	11005.5	11041.3	11067.6	11028.4
2.5°	10957.1	10952.0	10915.5	10944.3	10915.5	10952.0	10957.1	10980.1	11001.0	11012.6	11012.9
0°	10924.8	10898.0	10898.0	10922.3	10898.0	10898.0	10924.8	10966.2	11002.8	11034.4	11046.6
-2.5°	10982.4	10976.8	10973.3	10956.5	10973.3	10976.8	10982.4	11001.0	11019.1	11034.7	11040.4
-5°	11029.8	11015.3	10975.4	11029.6	10975.4	11015.3	11029.8	11050.1	11080.6	11102.3	11096.1
-7.5°	11080.8	11043.8	11005.9	11090.5	11005.9	11043.8	11080.8	11096.9	11133.4	11162.3	11159.6
-10°	11127.3	11073.8	11037.0	11119.7	11037.0	11073.8	11127.3	11164.7	11195.9	11223.3	11228.4
-12.5°	11188.8	11126.3	11101.7	11146.5	11101.7	11126.3	11188.8	11232.1	11265.8	11286.4	11278.3
-15°	11254.4	11211.1	11205.4	11231.8	11205.4	11211.1	11254.4	11299.7	11326.3	11343.2	11313.1
-17.5°	11312.1	11281.7	11296.7	11326.9	11296.7	11281.7	11312.1	11349.1	11371.1	11377.8	11336.7
-20°	11339.6	11322.6	11339.5	11414.6	11339.5	11322.6	11339.6	11363.2	11378.1	11374.4	11314.6



REPORT NUMBER: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-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°	11337.3	11338.3	11368.1	11392.7	11368.1	11338.3	11337.3	11349.9	11348.7	11330.1	11229.8
-25°	11294.0	11316.8	11351.0	11400.0	11351.0	11316.8	11294.0	11292.9	11277.8	11229.2	11127.5
-27.5°	11189.6	11227.5	11263.2	11314.7	11263.2	11227.5	11189.6	11175.0	11148.2	11081.4	10998.8
-30°	11038.8	11083.8	11115.8	11170.9	11115.8	11083.8	11038.8	11011.2	10969.5	10893.1	10768.4
-32.5°	10855.2	10906.2	10943.9	10983.3	10943.9	10906.2	10855.2	10813.2	10768.6	10680.5	10508.5
-35°	10625.7	10680.6	10720.8	10756.6	10720.8	10680.6	10625.7	10570.5	10514.6	10438.9	10243.0
-37.5°	10350.0	10409.2	10454.9	10495.9	10454.9	10409.2	10350.0	10283.8	10224.9	10151.4	9961.2
-40°	10028.8	10089.5	10138.3	10184.0	10138.3	10089.5	10028.8	9953.1	9886.3	9800.7	9635.6
-42.5°	9653.2	9714.5	9764.9	9811.1	9764.9	9714.5	9653.2	9572.6	9490.8	9387.5	9244.7
-45°	9219.5	9282.6	9335.8	9384.6	9335.8	9282.6	9219.5	9135.3	9030.7	8896.3	8726.4
-47.5°	8720.0	8787.5	8833.0	8855.8	8833.0	8787.5	8720.0	8630.4	8509.0	8351.7	8165.4
-50°	8147.5	8214.9	8269.6	8310.0	8269.6	8214.9	8147.5	8058.3	7935.2	7764.8	7567.7
-52.5°	7517.2	7581.4	7628.4	7656.9	7628.4	7581.4	7517.2	7430.4	7311.4	7129.2	6921.3
-55°	6827.2	6894.4	6939.0	6959.9	6939.0	6894.4	6827.2	6737.5	6623.4	6437.9	6233.2
-57.5°	6044.5	6108.3	6155.7	6182.5	6155.7	6108.3	6044.5	5957.3	5847.4	5672.8	5475.8
-60°	5178.6	5235.7	5271.6	5285.7	5271.6	5235.7	5178.6	5098.8	4996.3	4842.8	4661.9
-62.5°	4292.9	4347.0	4380.7	4393.8	4380.7	4347.0	4292.9	4220.5	4130.7	4004.9	3853.7
-65°	3417.3	3451.2	3469.9	3472.6	3469.9	3451.2	3417.3	3366.3	3297.9	3201.5	3084.0
-67.5°	2636.4	2662.2	2677.8	2683.1	2677.8	2662.2	2636.4	2600.8	2555.6	2498.5	2426.7
-70°	2068.7	2086.5	2096.5	2098.2	2096.5	2086.5	2068.7	2041.9	2006.1	1958.3	1899.6
-72.5°	1542.3	1555.0	1550.6	1540.1	1550.6	1555.0	1542.3	1524.3	1500.8	1473.9	1446.3
-75°	1203.1	1217.1	1211.3	1201.4	1211.3	1217.1	1203.1	1186.4	1166.9	1144.8	1119.8
-77.5°	961.1	973.9	967.6	957.7	967.6	973.9	961.1	946.0	928.8	909.2	886.4
-80°	686.4	693.9	699.2	701.8	699.2	693.9	686.4	677.0	666.1	654.4	645.3
-82.5°	351.3	341.0	334.4	326.5	334.4	341.0	351.3	359.8	366.3	370.5	372.5
-85°	99.3	97.0	98.6	99.9	98.6	97.0	99.3	101.3	102.9	104.3	112.8
-87.5°	28.4	29.1	29.2	29.2	29.2	29.1	28.4	27.6	26.7	25.9	26.1
-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):**

	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°	1.1	1.7	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7
85°	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
72.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
67.5°	2.4	2.4	2.5	2.4	2.4	2.4	2.6	2.5	2.4	2.4	3.0
65°	3.0	2.9	3.0	3.4	3.5	3.3	3.4	3.5	3.5	3.3	3.1
62.5°	4.9	5.2	5.3	5.4	5.5	6.9	6.1	6.2	5.8	7.0	9.5
60°	11.7	9.2	13.8	15.4	13.2	22.6	38.2	34.4	10.1	55.2	63.6
57.5°	161.3	133.9	280.5	279.6	117.1	158.2	211.8	139.5	91.2	156.3	206.4
55°	1124.6	1029.9	895.4	881.1	927.6	704.8	589.3	567.1	443.9	288.6	342.7
52.5°	1585.4	1490.9	1399.2	1313.8	1243.7	1168.8	1058.6	939.6	901.5	726.0	559.8
50°	1793.9	1885.6	1795.3	1574.4	1613.7	1507.1	1351.9	1225.3	1251.3	1143.9	922.3
47.5°	2432.7	2544.5	2547.3	2415.6	2269.0	2223.8	1996.2	1600.8	1627.3	1622.8	1388.1
45°	3561.6	3405.4	3463.6	3278.6	3019.7	2876.6	2868.8	2445.9	2054.2	1990.6	1967.9
42.5°	4180.2	4064.6	3944.9	3806.9	3578.0	3349.7	3208.8	2970.9	2655.9	2377.1	2278.3
40°	4430.4	4295.6	4183.9	4069.7	3885.3	3651.5	3537.9	3225.6	2988.8	2747.6	2667.2
37.5°	4732.7	4477.0	4576.8	4360.6	4189.5	4132.6	4044.6	3719.5	3194.8	3150.7	3110.0
35°	5407.8	5168.7	5398.8	5358.0	4676.7	4752.5	4811.0	4411.6	3862.2	3564.4	3570.9
32.5°	6948.0	6396.8	6228.6	6434.7	6076.5	5481.9	5490.6	5368.9	4619.1	4185.8	3996.1
30°	7505.6	7260.8	6995.6	6959.9	6693.1	6349.2	6130.8	5838.4	5292.7	4798.1	4473.0
27.5°	7746.2	7524.1	7300.9	7128.7	6974.3	6740.8	6455.8	6112.3	5724.1	5280.8	4965.0
25°	7917.9	7669.2	7476.6	7286.5	7120.3	6943.6	6652.3	6317.8	5955.6	5598.2	5259.1
22.5°	8055.9	7824.0	7616.8	7412.2	7277.4	7087.4	6825.7	6480.2	6237.0	6009.9	5569.1
20°	8206.8	7983.3	7749.9	7759.8	7561.3	7244.0	6992.5	6820.5	6787.2	6531.6	5962.4
17.5°	8862.0	8247.5	8361.7	8578.2	8140.9	7564.9	7475.2	7484.7	7379.1	7141.5	6433.8
15°	10265.3	9377.7	9385.6	9534.8	9060.8	8353.1	8189.8	8169.8	8003.6	7740.6	6931.5
12.5°	10707.3	10410.8	10356.3	10134.5	9668.9	9140.1	8946.7	8841.7	8536.7	8028.2	7289.6
10°	10856.6	10684.8	10456.6	10232.9	9950.4	9737.9	9462.3	9081.1	8648.1	8157.6	7556.4
7.5°	10874.3	10696.1	10512.2	10299.2	10051.3	9801.9	9529.5	9150.6	8731.9	8250.8	7744.5
5°	10863.9	10686.3	10515.9	10312.2	10060.7	9818.9	9572.2	9197.5	8788.5	8311.7	7868.0
2.5°	10837.4	10657.6	10495.5	10310.4	10059.9	9826.9	9598.5	9247.8	8829.0	8361.9	7909.3
0°	10876.0	10698.1	10544.6	10337.5	10110.8	9840.3	9611.3	9299.3	8848.5	8395.2	7924.9
-2.5°	10892.7	10708.8	10568.2	10334.7	10146.8	9870.8	9638.7	9337.3	8885.3	8454.0	7962.6
-5°	10980.6	10797.9	10614.0	10379.9	10182.4	9924.1	9663.1	9352.8	8912.9	8485.9	7979.6
-7.5°	11038.4	10853.0	10639.1	10412.1	10213.7	9967.3	9678.0	9354.2	8938.3	8485.4	7987.7
-10°	11074.6	10880.8	10669.6	10437.2	10232.1	9978.5	9673.0	9346.1	8933.2	8465.6	7969.8
-12.5°	11125.4	10907.3	10690.0	10426.0	10220.3	9959.9	9654.7	9327.5	8894.9	8428.5	7924.2
-15°	11144.4	10920.4	10666.3	10407.6	10183.0	9929.6	9614.6	9272.2	8828.1	8371.3	7849.7
-17.5°	11152.3	10897.5	10626.6	10378.4	10136.4	9867.6	9535.2	9171.1	8742.4	8270.5	7751.4
-20°	11146.1	10849.6	10570.6	10300.3	10046.8	9774.0	9430.9	9070.3	8619.9	8139.9	7624.2



REPORT NUMBER: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-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°	11032.4	10763.9	10481.5	10188.4	9939.1	9649.8	9313.9	8940.7	8460.8	7996.5	7462.1
-25°	10907.2	10635.9	10344.2	10071.6	9806.2	9518.7	9173.6	8750.4	8294.6	7811.6	7265.4
-27.5°	10759.2	10474.0	10172.7	9895.4	9614.9	9332.0	8975.3	8548.9	8110.0	7582.0	7051.7
-30°	10559.3	10265.1	9957.9	9640.6	9384.1	9095.7	8743.0	8328.9	7857.6	7336.3	6831.6
-32.5°	10288.1	10011.2	9704.0	9402.5	9134.6	8832.0	8475.8	8064.8	7570.1	7077.0	6552.0
-35°	10012.3	9725.5	9432.7	9148.8	8866.7	8549.7	8186.2	7738.8	7266.1	6777.6	6232.7
-37.5°	9697.5	9398.8	9123.6	8853.8	8562.8	8237.8	7836.7	7404.5	6943.6	6406.5	5888.0
-40°	9359.2	9071.5	8771.0	8504.2	8193.9	7866.1	7478.5	7058.4	6551.4	6020.6	5533.3
-42.5°	8957.5	8670.0	8360.6	8063.7	7762.1	7450.4	7100.3	6645.8	6143.4	5642.7	5136.5
-45°	8472.5	8184.8	7880.7	7574.6	7292.4	6989.5	6663.7	6179.1	5683.0	5205.8	4720.1
-47.5°	7926.8	7648.0	7354.5	7051.0	6782.6	6478.5	6081.6	5630.7	5191.7	4737.6	4240.4
-50°	7334.2	7068.8	6797.4	6515.9	6214.3	5871.3	5490.4	5097.1	4662.2	4196.1	3741.8
-52.5°	6686.4	6443.6	6187.4	5916.7	5605.5	5265.1	4908.2	4490.6	4056.7	3661.1	3248.0
-55°	6010.4	5770.7	5517.5	5247.0	4956.8	4620.1	4250.4	3870.5	3516.3	3150.4	2835.3
-57.5°	5262.5	5035.2	4794.0	4538.8	4270.8	3957.6	3633.3	3310.9	3030.4	2746.1	2460.1
-60°	4463.0	4250.9	4045.7	3819.4	3572.0	3302.5	3066.0	2828.2	2590.2	2363.2	2132.9
-62.5°	3688.8	3511.3	3326.9	3143.3	2955.2	2760.5	2564.6	2381.0	2193.3	2001.0	1831.5
-65°	2957.0	2822.0	2676.6	2549.5	2416.0	2275.3	2117.8	1973.9	1837.4	1696.5	1552.3
-67.5°	2342.7	2246.4	2143.6	2043.3	1951.8	1854.5	1743.9	1627.5	1519.4	1415.0	1308.8
-70°	1837.8	1774.1	1707.3	1634.1	1561.1	1487.7	1406.3	1320.6	1233.9	1155.7	1080.8
-72.5°	1410.6	1366.5	1315.8	1263.1	1206.9	1156.9	1101.4	1043.5	984.8	925.4	868.9
-75°	1091.4	1059.5	1024.8	985.4	937.8	881.4	839.6	811.5	776.0	732.8	685.7
-77.5°	863.2	840.0	815.0	781.4	746.7	710.8	675.3	640.4	605.8	573.2	543.2
-80°	635.1	624.1	610.3	582.5	554.7	527.0	500.5	479.1	458.9	436.8	409.5
-82.5°	372.9	371.5	367.6	352.0	336.4	321.0	306.0	290.9	275.0	258.4	241.5
-85°	120.5	127.1	132.4	135.0	136.6	137.0	136.2	132.2	127.6	122.3	116.6
-87.5°	26.3	26.4	26.5	27.6	28.5	29.3	30.0	31.5	32.7	33.7	34.5
-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: P645531 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-740-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°	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.0	1.2	1.2	1.3
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.2	2.0	2.3	2.5	2.6
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1	3.7	3.9
80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	3.1	3.7	4.3
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	3.1	3.8	4.4
75°	2.4	2.4	2.4	2.5	2.6	2.4	2.4	2.6	3.2	3.8	4.4
72.5°	2.4	2.4	2.4	2.7	3.1	3.1	2.8	2.7	3.3	3.9	4.5
70°	2.8	2.5	2.4	2.8	3.4	3.9	3.8	3.9	3.4	3.9	4.5
67.5°	3.6	3.7	3.3	3.3	3.5	4.1	4.7	5.5	5.4	4.1	4.6
65°	3.7	4.3	5.1	6.9	6.1	4.2	4.8	9.6	7.6	6.5	4.7
62.5°	8.0	4.5	15.4	20.6	11.6	9.1	7.3	21.3	13.3	9.0	6.5
60°	19.1	15.7	43.0	68.8	48.0	16.2	23.8	36.9	33.8	11.7	9.2
57.5°	178.7	61.4	89.0	128.8	126.5	68.6	50.0	66.8	57.5	33.1	13.0
55°	381.5	321.1	212.0	194.1	209.7	169.3	110.2	108.1	88.7	61.4	21.0
52.5°	523.4	546.2	475.4	332.1	289.2	275.6	215.2	156.8	139.2	92.3	53.4
50°	757.7	705.6	698.5	586.4	405.5	367.1	317.7	245.0	195.4	132.0	90.2
47.5°	1070.4	940.2	871.2	820.9	647.1	467.9	416.8	335.1	257.3	190.1	128.8
45°	1529.6	1215.3	1081.8	1000.1	886.8	658.1	521.6	422.5	335.4	255.2	169.1
42.5°	1990.8	1571.3	1322.2	1190.3	1072.4	872.9	633.7	523.4	411.4	321.5	220.4
40°	2397.8	1938.3	1575.0	1405.3	1254.7	1080.3	815.2	631.3	485.9	389.7	278.6
37.5°	2887.9	2356.3	1865.9	1630.7	1448.9	1253.6	999.3	744.1	575.5	461.3	337.0
35°	3361.9	2897.4	2191.4	1902.9	1665.1	1431.3	1176.7	877.3	685.6	534.0	395.4
32.5°	3871.0	3406.2	2683.0	2206.9	1888.9	1612.8	1342.5	1039.3	796.2	607.6	453.5
30°	4271.8	3741.2	3114.3	2511.3	2132.3	1815.5	1508.1	1194.7	907.2	681.8	512.2
27.5°	4484.2	4031.0	3454.8	2850.5	2406.4	2023.2	1678.6	1343.3	1017.9	763.4	573.4
25°	4704.0	4235.2	3698.1	3147.0	2676.9	2243.1	1848.5	1484.9	1138.9	855.5	633.8
22.5°	4966.8	4408.8	3903.3	3381.9	2956.0	2466.0	2026.6	1628.3	1259.8	945.7	693.3
20°	5230.7	4570.0	4105.8	3701.7	3229.9	2707.3	2212.8	1768.2	1373.9	1033.6	751.5
17.5°	5507.8	4862.7	4449.5	4013.7	3502.8	2941.0	2396.3	1903.7	1481.0	1118.6	808.1
15°	5989.9	5301.0	4795.8	4317.3	3774.4	3165.8	2575.3	2033.9	1580.9	1200.4	860.7
12.5°	6427.6	5709.0	5142.3	4610.9	4041.5	3380.1	2748.1	2157.8	1673.4	1265.6	907.6
10°	6789.9	6087.3	5484.8	4892.6	4300.8	3582.5	2912.7	2258.7	1728.9	1314.2	950.7
7.5°	7086.5	6437.0	5818.8	5160.8	4523.5	3714.8	2995.7	2317.5	1771.8	1355.6	990.1
5°	7300.9	6670.4	5996.2	5254.3	4593.1	3769.2	3052.2	2365.4	1806.5	1390.2	1025.5
2.5°	7362.6	6742.1	6062.8	5305.4	4640.2	3804.4	3092.4	2402.1	1833.2	1418.2	1057.0
0°	7398.5	6789.3	6104.5	5336.9	4664.3	3821.1	3116.8	2427.2	1852.1	1440.2	1084.4
-2.5°	7448.7	6830.0	6144.8	5417.8	4680.3	3872.2	3130.6	2443.6	1876.0	1448.1	1100.4
-5°	7473.8	6845.8	6164.1	5472.1	4676.1	3902.7	3128.9	2448.8	1891.5	1450.8	1112.1
-7.5°	7462.8	6840.5	6164.9	5489.2	4655.0	3909.8	3111.9	2443.3	1897.8	1448.8	1119.4
-10°	7429.1	6812.8	6141.3	5445.1	4635.5	3882.2	3081.6	2427.8	1894.1	1442.6	1122.2
-12.5°	7378.0	6760.9	6093.2	5381.7	4594.9	3825.2	3045.9	2401.1	1878.8	1432.6	1120.3
-15°	7311.6	6685.5	6020.1	5301.2	4528.1	3749.4	2992.3	2362.5	1849.0	1421.3	1113.7
-17.5°	7226.4	6587.2	5921.6	5205.6	4434.1	3655.5	2920.2	2312.2	1811.8	1407.5	1100.3
-20°	7074.4	6455.1	5796.4	5096.9	4312.1	3544.2	2829.5	2250.2	1767.4	1387.8	1081.1

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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°	6903.4	6291.6	5640.4	4950.3	4165.1	3416.3	2719.7	2176.5	1716.3	1362.2	1058.1
-25°	6721.2	6107.5	5459.1	4747.4	4002.7	3281.1	2609.8	2091.2	1658.7	1330.6	1031.4
-27.5°	6507.1	5898.9	5253.6	4523.9	3814.2	3124.2	2504.5	2015.6	1602.9	1292.8	1001.0
-30°	6266.5	5653.8	4996.7	4285.5	3607.6	2942.8	2386.4	1934.9	1555.8	1251.6	967.2
-32.5°	5990.7	5383.6	4712.1	4041.4	3389.3	2750.3	2256.0	1848.6	1501.3	1207.8	935.9
-35°	5676.8	5069.4	4410.5	3779.4	3158.0	2594.8	2128.5	1757.0	1439.5	1160.5	902.9
-37.5°	5349.9	4732.0	4108.9	3505.7	2912.1	2426.5	2013.8	1666.6	1370.5	1109.8	866.4
-40°	4976.5	4384.9	3792.4	3223.9	2699.2	2245.8	1889.8	1577.3	1305.3	1055.9	826.6
-42.5°	4591.9	4020.9	3462.2	2925.5	2489.1	2098.6	1759.8	1481.1	1236.4	1003.8	783.3
-45°	4177.2	3636.5	3111.0	2674.1	2275.4	1942.7	1646.0	1381.4	1163.0	950.5	738.7
-47.5°	3739.7	3231.3	2791.9	2412.2	2093.7	1786.1	1524.9	1295.2	1085.9	893.4	693.9
-50°	3276.4	2854.1	2498.0	2184.6	1897.9	1645.1	1404.4	1204.9	1015.2	830.3	646.9
-52.5°	2865.7	2527.4	2232.8	1964.5	1725.2	1496.7	1300.5	1112.4	942.4	769.9	597.9
-55°	2513.9	2236.6	1987.9	1764.6	1554.0	1369.6	1192.6	1030.2	867.6	709.3	548.2
-57.5°	2210.1	1967.7	1768.7	1574.8	1400.8	1243.6	1094.4	946.2	795.9	646.5	508.8
-60°	1918.2	1737.3	1560.2	1404.3	1257.0	1123.6	1001.7	862.2	723.5	583.8	465.2
-62.5°	1666.1	1511.6	1377.7	1241.8	1119.5	1010.8	908.2	780.1	649.0	525.8	417.8
-65°	1429.8	1311.1	1197.1	1088.7	987.2	895.1	812.2	695.9	574.3	464.3	368.6
-67.5°	1205.4	1116.0	1026.5	935.5	855.6	781.1	710.1	605.0	496.3	399.6	319.8
-70°	1004.9	928.6	858.4	790.8	726.1	663.9	597.0	508.3	414.8	341.6	269.8
-72.5°	815.7	759.9	701.6	646.1	598.2	543.5	482.0	412.8	347.3	282.6	218.7
-75°	640.5	603.7	562.7	518.5	473.9	425.1	384.4	336.1	278.9	222.4	176.3
-77.5°	512.5	476.6	435.5	400.3	370.4	337.0	300.1	258.1	212.7	173.0	136.2
-80°	378.1	350.6	327.3	307.1	279.4	249.0	218.3	187.7	154.6	123.9	95.5
-82.5°	230.6	224.6	218.2	208.8	185.8	163.1	140.9	119.1	95.7	74.0	61.3
-85°	115.3	113.0	109.6	104.7	90.5	76.7	70.2	63.7	55.8	48.2	40.9
-87.5°	37.9	40.8	43.1	44.7	41.6	38.4	35.1	31.9	27.9	24.2	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

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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°	1.3	1.1	0.9	0.6	0.4	0.3	0.0
85°	2.5	2.1	1.7	1.3	0.9	0.5	0.0
82.5°	3.8	3.2	2.5	1.9	1.3	0.8	0.0
80°	4.9	4.2	3.4	2.5	1.7	1.1	0.0
77.5°	4.9	4.9	4.2	3.2	2.1	1.3	0.0
75°	5.0	5.1	4.9	3.8	2.6	1.6	0.0
72.5°	5.0	5.3	5.2	4.4	3.0	1.9	0.0
70°	5.2	5.4	5.4	4.9	3.4	2.1	0.0
67.5°	5.7	5.6	5.6	5.2	3.9	2.4	0.0
65°	6.6	6.5	5.9	5.4	4.3	2.6	0.0
62.5°	7.7	8.1	6.1	5.7	4.8	2.9	0.0
60°	9.0	9.8	6.4	5.9	5.2	3.1	0.0
57.5°	16.7	11.7	8.3	6.2	5.5	3.4	0.0
55°	26.6	13.9	10.3	6.4	5.7	3.6	0.0
52.5°	38.1	17.8	12.5	6.7	6.0	3.9	0.0
50°	51.4	30.3	14.7	7.0	6.3	4.1	0.0
47.5°	69.1	43.7	17.0	7.6	6.6	4.3	0.0
45°	104.3	58.1	19.4	9.5	6.9	4.6	0.0
42.5°	140.3	73.5	21.9	11.3	7.2	4.8	0.0
40°	177.1	89.7	29.6	13.7	7.5	5.0	0.0
37.5°	214.6	106.8	42.3	16.6	7.8	5.2	0.0
35°	252.7	132.7	55.2	19.9	8.1	5.4	0.0
32.5°	294.0	162.7	68.2	23.4	8.4	5.6	0.0
30°	341.3	192.5	81.4	27.3	8.8	5.8	0.0
27.5°	387.6	222.0	97.7	31.4	9.1	6.0	0.0
25°	432.8	251.0	114.3	35.8	9.4	6.2	0.0
22.5°	476.7	280.5	131.0	40.3	9.7	6.3	0.0
20°	519.1	312.3	147.4	44.9	10.0	6.5	0.0
17.5°	561.1	343.0	163.6	49.7	10.3	6.6	0.0
15°	601.4	372.5	179.4	54.4	10.6	6.8	0.0
12.5°	639.1	400.6	194.7	59.2	10.9	6.9	0.0
10°	674.0	427.2	209.3	63.8	11.2	7.0	0.0
7.5°	706.2	452.0	223.1	68.3	11.5	7.1	0.0
5°	735.4	474.9	236.0	72.6	11.7	7.2	0.0
2.5°	761.6	495.7	247.8	76.7	12.0	7.2	0.0
0°	784.7	514.2	258.3	80.4	12.2	7.3	0.0
-2.5°	796.2	525.9	268.1	85.7	14.1	7.7	0.0
-5°	804.6	535.2	276.5	90.5	16.0	8.1	0.0
-7.5°	810.0	541.9	283.3	94.8	17.8	8.5	0.0
-10°	812.4	546.1	288.5	98.5	19.5	8.9	0.0
-12.5°	812.0	547.8	291.9	101.7	21.2	9.2	0.0
-15°	808.8	547.1	293.6	104.2	22.8	9.5	0.0
-17.5°	802.9	543.8	293.4	106.0	24.3	9.8	0.0
-20°	793.7	538.0	291.3	107.1	25.6	10.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	780.4	529.8	287.2	107.4	26.8	10.2	0.0
-25°	764.1	517.1	281.0	106.9	27.9	10.4	0.0
-27.5°	744.7	501.2	272.9	105.6	28.8	10.5	0.0
-30°	722.2	483.1	262.6	103.4	29.6	10.5	0.0
-32.5°	696.7	462.9	250.7	100.4	30.1	10.6	0.0
-35°	669.2	440.6	237.4	96.4	30.5	10.6	0.0
-37.5°	639.6	418.1	222.8	91.6	30.7	10.5	0.0
-40°	607.7	397.8	206.9	85.9	30.8	10.4	0.0
-42.5°	573.5	376.1	194.8	79.7	30.6	10.2	0.0
-45°	537.3	352.9	186.5	73.5	30.2	10.0	0.0
-47.5°	498.9	328.5	176.8	66.3	29.7	9.8	0.0
-50°	466.9	302.7	165.6	64.0	29.0	9.5	0.0
-52.5°	434.8	275.7	153.0	62.7	28.0	9.2	0.0
-55°	401.5	255.3	139.0	60.7	26.9	8.8	0.0
-57.5°	367.0	234.5	123.6	58.1	25.6	8.3	0.0
-60°	331.9	211.8	107.6	54.8	24.2	7.9	0.0
-62.5°	299.9	187.3	99.9	50.9	22.7	7.4	0.0
-65°	265.6	161.2	91.2	46.5	21.1	6.8	0.0
-67.5°	229.1	139.4	81.5	41.5	19.4	6.2	0.0
-70°	190.6	122.0	70.9	36.0	17.5	5.6	0.0
-72.5°	161.2	103.3	59.5	31.7	15.6	5.0	0.0
-75°	131.8	83.4	47.3	27.5	13.5	4.3	0.0
-77.5°	100.9	62.6	39.1	23.2	11.4	3.6	0.0
-80°	68.9	47.7	31.6	18.8	9.2	2.9	0.0
-82.5°	50.6	36.0	23.9	14.2	6.9	2.2	0.0
-85°	33.9	24.2	16.0	9.5	4.7	1.5	0.0
-87.5°	17.0	12.1	8.0	4.8	2.3	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)