

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: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA6E-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645585 (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-SA6E-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (96) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29571.4 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 7H x 7V
Max Intensity: 12611.5 candela
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V
Beam Lumens: 23117.2 lumens
Beam Efficiency: 78.2%

Field Angle (10%): 144°H x 131.2°V
Field Lumens: 28984.2 lumens
Field Efficiency: 98.0%

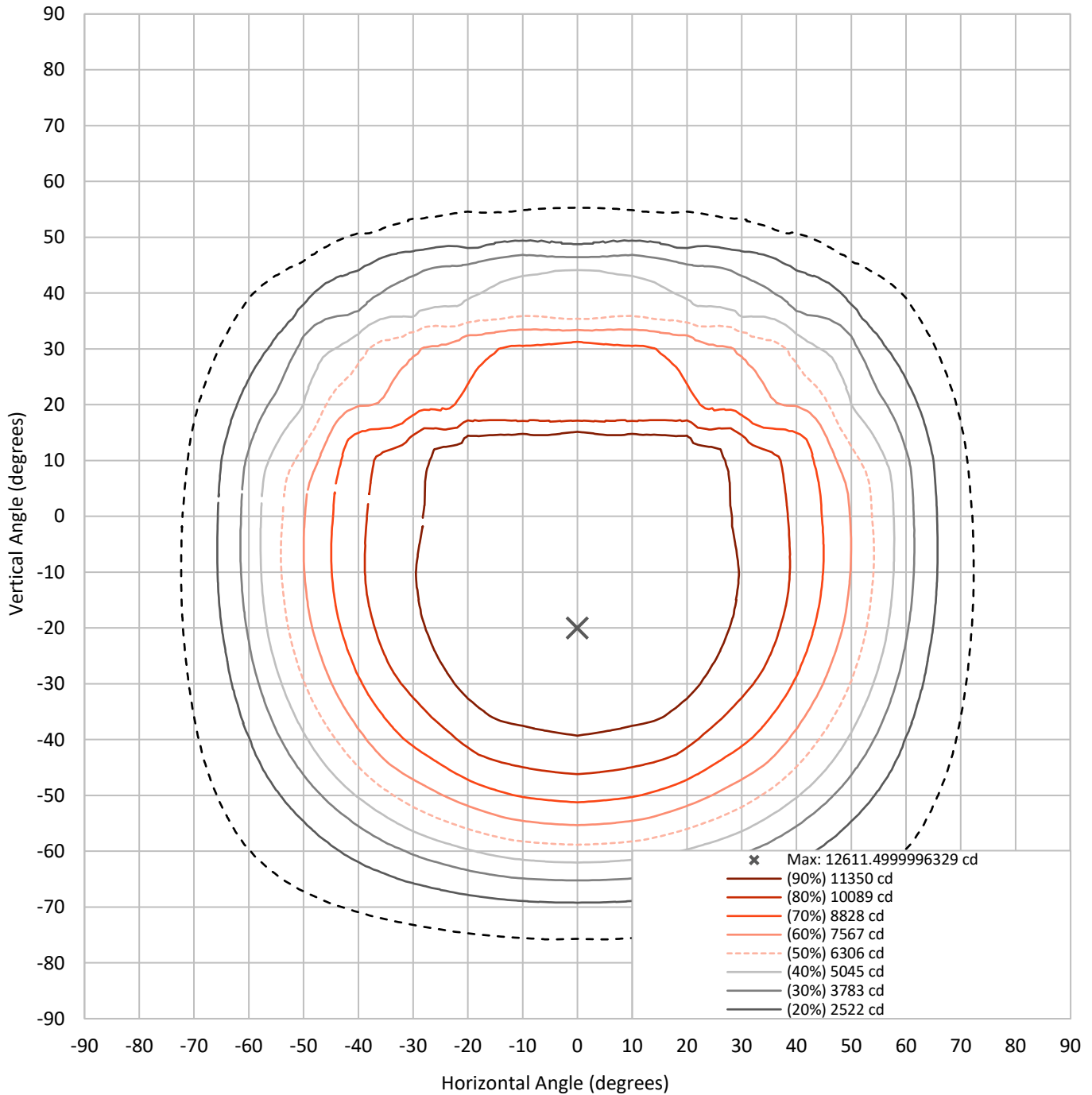
Input Watts (W): 376.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT





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CATALOG NUMBER: GFLD-SA6E-727-U-LAM-VSR-XX

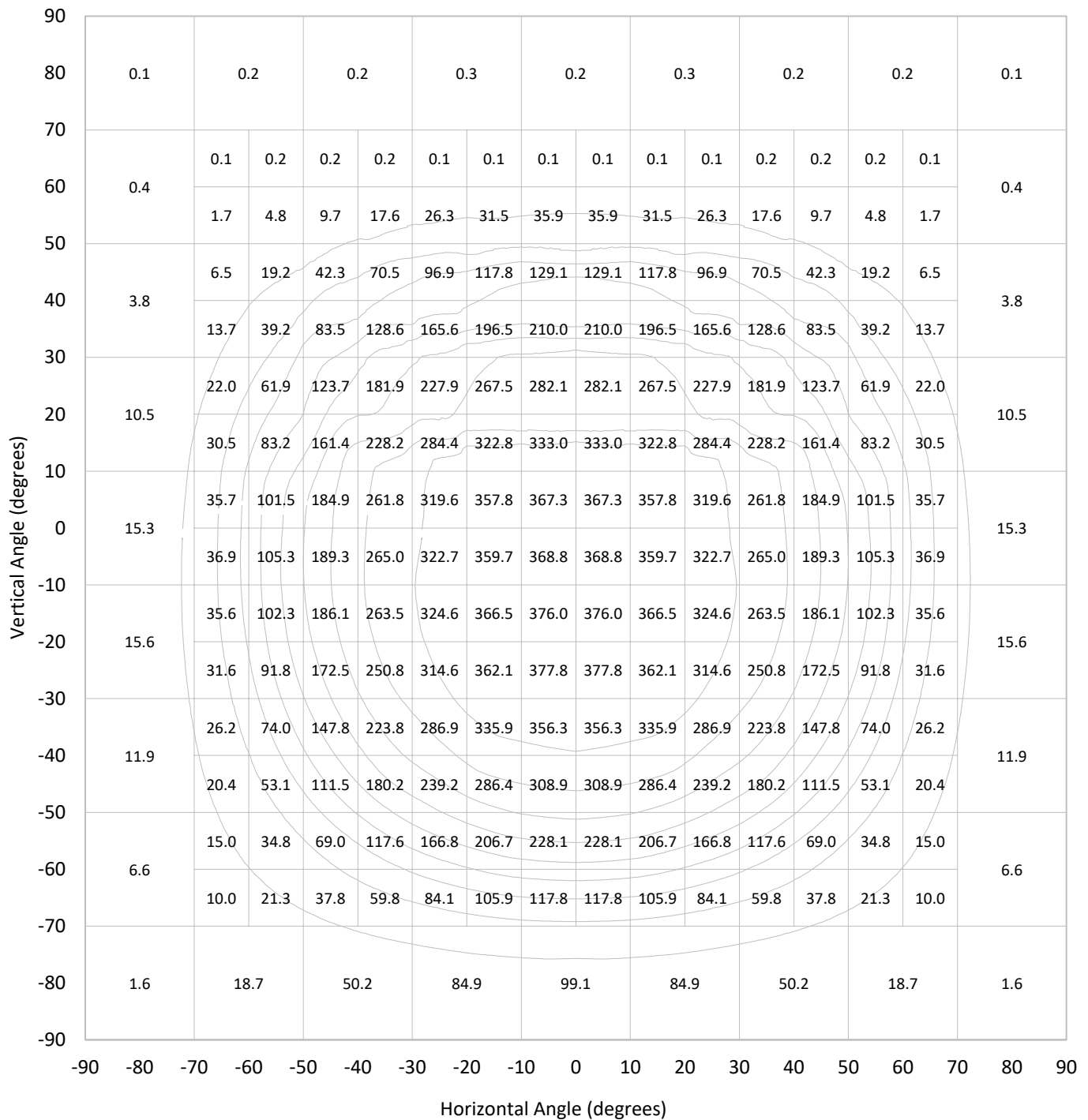
Iso-Candela Plot





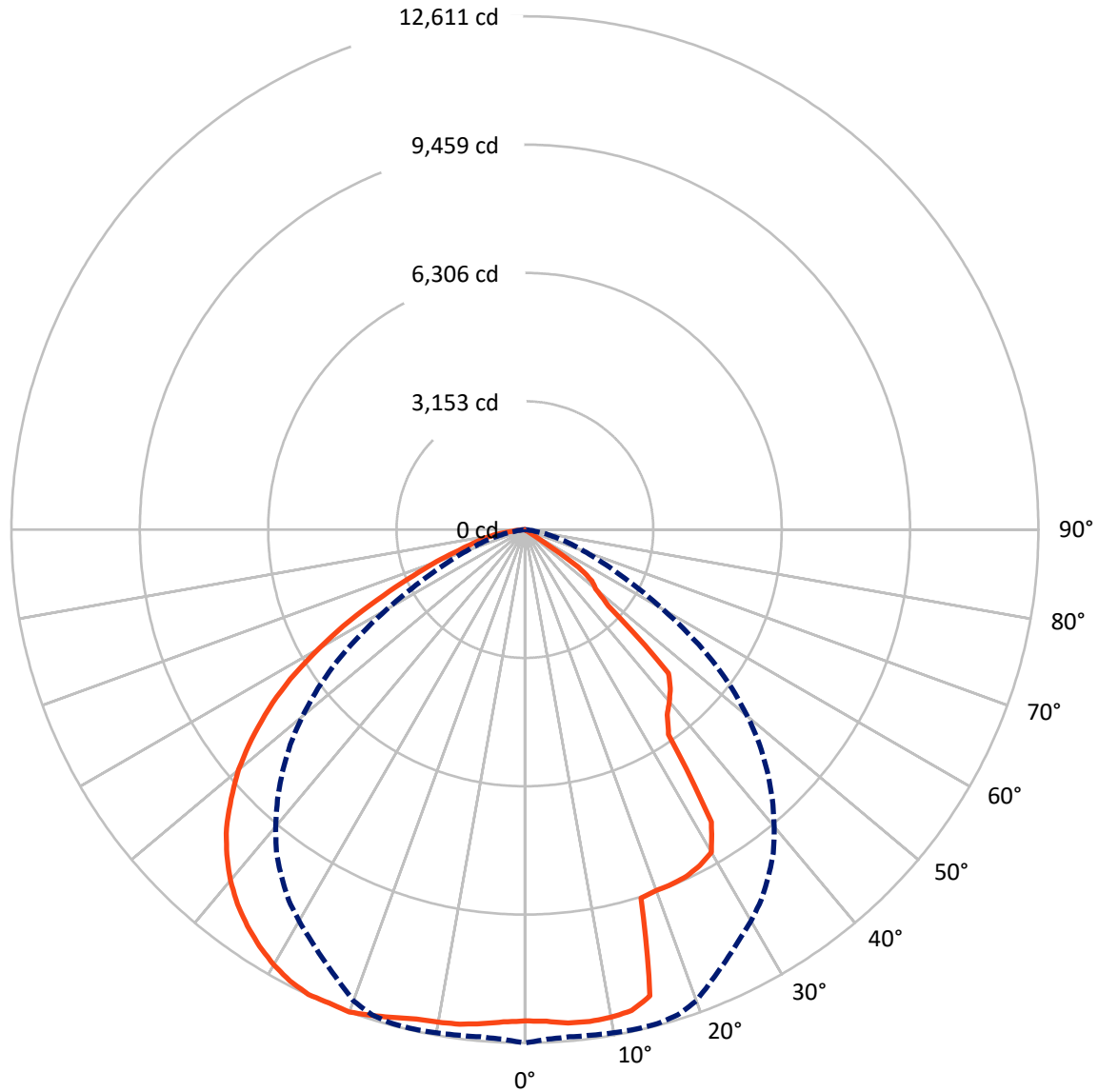
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Lumen Table



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
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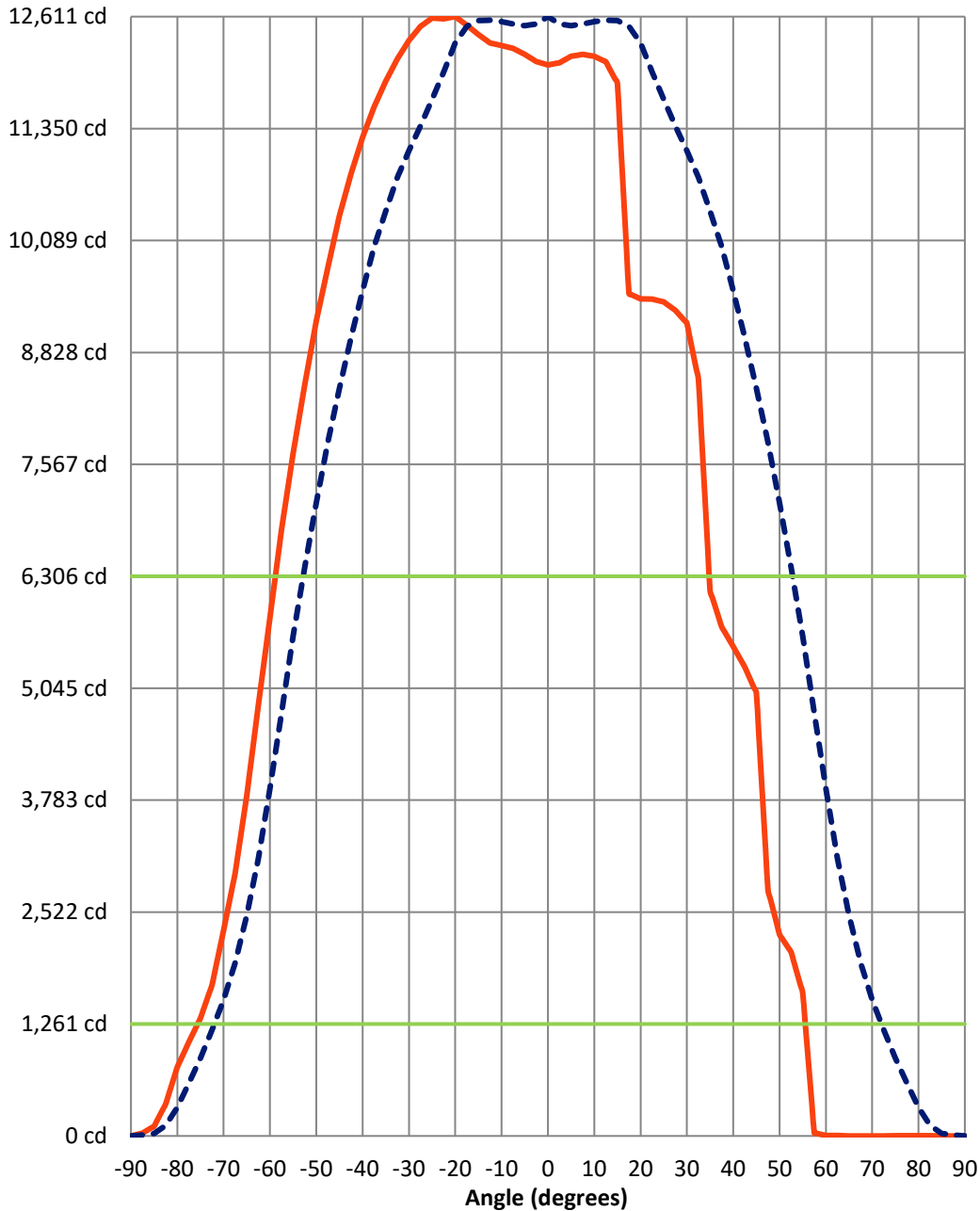
Luminous Intensity Polar Plot



— 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: 23117.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 28984.2
 Efficiency: 98.0%

Spill:
 Lumens: 587.3
 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	0.5	0.7	0.9	1.2	1.4	1.4	1.4	1.3	1.1
85°	0.0	0.6	0.9	1.4	1.9	2.3	2.8	2.8	2.8	2.6	2.3
82.5°	0.0	0.9	1.4	2.1	2.8	3.5	4.2	4.3	4.1	3.4	2.8
80°	0.0	1.2	1.9	2.8	3.7	4.7	5.4	4.8	4.1	3.5	2.8
77.5°	0.0	1.5	2.4	3.5	4.7	5.5	5.4	4.8	4.2	3.5	2.8
75°	0.0	1.8	2.8	4.2	5.4	5.6	5.5	4.9	4.2	3.6	2.9
72.5°	0.0	2.0	3.3	4.9	5.7	5.8	5.5	4.9	4.3	3.6	3.0
70°	0.0	2.3	3.8	5.5	5.9	6.0	5.7	5.0	4.4	3.8	4.3
67.5°	0.0	2.6	4.3	5.7	6.2	6.2	6.3	5.1	4.5	6.0	6.1
65°	0.0	2.9	4.8	6.0	6.5	7.2	7.3	5.1	7.2	8.4	10.6
62.5°	0.0	3.2	5.3	6.3	6.8	8.9	8.5	7.2	10.0	14.8	23.5
60°	0.0	3.5	5.8	6.5	7.1	10.8	10.0	10.2	13.0	37.4	40.7
57.5°	0.0	3.7	6.1	6.8	9.2	13.0	18.4	14.4	36.6	63.5	73.8
55°	0.0	4.0	6.4	7.1	11.4	15.3	29.4	23.3	67.9	98.0	119.4
52.5°	0.0	4.3	6.7	7.4	13.8	19.6	42.2	59.0	101.9	153.8	173.2
50°	0.0	4.5	7.0	7.7	16.2	33.4	56.8	99.7	145.8	215.8	270.7
47.5°	0.0	4.8	7.3	8.4	18.8	48.3	76.4	142.3	210.0	284.3	370.2
45°	0.0	5.1	7.6	10.5	21.5	64.2	115.2	186.9	281.9	370.5	466.8
42.5°	0.0	5.3	8.0	12.5	24.2	81.2	155.0	243.5	355.2	454.5	578.2
40°	0.0	5.5	8.3	15.1	32.6	99.1	195.7	307.8	430.5	536.9	697.5
37.5°	0.0	5.8	8.7	18.4	46.7	118.0	237.1	372.3	509.6	635.9	822.0
35°	0.0	6.0	9.0	22.0	60.9	146.6	279.2	436.8	589.9	757.4	969.2
32.5°	0.0	6.2	9.4	25.9	75.4	179.8	324.9	501.1	671.3	879.7	1148.2
30°	0.0	6.4	9.7	30.2	89.9	212.7	377.1	565.9	753.3	1002.3	1320.0
27.5°	0.0	6.6	10.1	34.7	107.9	245.3	428.2	633.5	843.4	1124.7	1484.1
25°	0.0	6.8	10.4	39.5	126.3	277.3	478.2	700.3	945.1	1258.3	1640.6
22.5°	0.0	7.0	10.8	44.5	144.7	310.0	526.7	766.0	1044.8	1391.9	1799.1
20°	0.0	7.2	11.1	49.7	162.9	345.0	573.5	830.3	1141.9	1518.0	1953.6
17.5°	0.0	7.3	11.4	54.9	180.8	378.9	619.9	892.8	1236.0	1636.3	2103.3
15°	0.0	7.5	11.8	60.2	198.3	411.5	664.4	950.9	1326.3	1746.6	2247.2
12.5°	0.0	7.6	12.1	65.4	215.1	442.6	706.1	1002.7	1398.3	1848.8	2384.0
10°	0.0	7.7	12.4	70.6	231.3	472.0	744.7	1050.4	1452.1	1910.1	2495.5
7.5°	0.0	7.9	12.7	75.6	246.5	499.4	780.2	1093.9	1497.8	1957.6	2560.5
5°	0.0	8.0	13.0	80.3	260.7	524.7	812.5	1133.1	1536.0	1995.9	2613.4
2.5°	0.0	8.0	13.3	84.8	273.7	547.7	841.5	1167.8	1566.9	2025.4	2653.9
0°	0.0	8.1	13.5	88.9	285.4	568.1	867.0	1198.1	1591.2	2046.3	2681.7
-2.5°	0.0	8.6	15.6	94.7	296.3	581.1	879.7	1215.8	1599.9	2072.7	2699.8
-5°	0.0	9.0	17.7	100.0	305.5	591.2	889.0	1228.7	1603.0	2089.9	2705.6
-7.5°	0.0	9.4	19.7	104.8	313.0	598.7	894.9	1236.8	1600.8	2096.8	2699.5
-10°	0.0	9.8	21.6	108.9	318.7	603.3	897.6	1239.8	1593.9	2092.7	2682.4
-12.5°	0.0	10.2	23.5	112.4	322.5	605.2	897.1	1237.8	1582.9	2075.8	2653.0
-15°	0.0	10.5	25.2	115.1	324.4	604.4	893.5	1230.5	1570.4	2042.9	2610.3
-17.5°	0.0	10.8	26.8	117.1	324.2	600.7	887.0	1215.7	1555.1	2001.8	2554.7
-20°	0.0	11.1	28.3	118.3	321.8	594.4	876.9	1194.5	1533.4	1952.8	2486.1

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA6E-727-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	11.3	29.7	118.7	317.3	585.3	862.2	1169.1	1505.1	1896.3	2404.7
-25°	0.0	11.5	30.8	118.1	310.5	571.2	844.1	1139.5	1470.1	1832.6	2310.4
-27.5°	0.0	11.6	31.9	116.7	301.5	553.7	822.7	1106.0	1428.4	1771.0	2226.9
-30°	0.0	11.7	32.7	114.3	290.1	533.7	797.9	1068.6	1382.8	1718.9	2137.8
-32.5°	0.0	11.7	33.3	110.9	277.0	511.4	769.7	1034.0	1334.5	1658.7	2042.4
-35°	0.0	11.7	33.8	106.6	262.3	486.8	739.3	997.5	1282.2	1590.4	1941.2
-37.5°	0.0	11.6	34.0	101.2	246.1	462.0	706.6	957.2	1226.2	1514.2	1841.3
-40°	0.0	11.5	34.0	94.9	228.5	439.6	671.3	913.2	1166.6	1442.2	1742.6
-42.5°	0.0	11.3	33.8	88.1	215.2	415.5	633.7	865.4	1109.0	1366.1	1636.4
-45°	0.0	11.1	33.4	81.2	206.1	390.0	593.6	816.0	1050.1	1284.9	1526.3
-47.5°	0.0	10.8	32.8	73.3	195.3	362.9	551.3	766.6	987.0	1199.8	1431.1
-50°	0.0	10.5	32.0	70.7	183.0	334.4	515.9	714.8	917.3	1121.7	1331.3
-52.5°	0.0	10.1	31.0	69.3	169.0	304.6	480.5	660.6	850.5	1041.2	1229.0
-55°	0.0	9.7	29.7	67.1	153.6	282.0	443.7	605.8	783.6	958.5	1138.2
-57.5°	0.0	9.2	28.3	64.2	136.6	259.1	405.5	562.2	714.4	879.3	1045.4
-60°	0.0	8.7	26.7	60.6	118.9	234.0	366.7	514.0	645.0	799.3	952.6
-62.5°	0.0	8.1	25.1	56.3	110.4	207.0	331.3	461.6	580.9	717.0	861.8
-65°	0.0	7.5	23.3	51.3	100.8	178.1	293.4	407.2	513.0	634.5	768.8
-67.5°	0.0	6.9	21.4	45.8	90.1	154.0	253.1	353.3	441.5	548.4	668.4
-70°	0.0	6.2	19.3	39.7	78.3	134.8	210.6	298.1	377.4	458.3	561.6
-72.5°	0.0	5.5	17.2	35.0	65.7	114.1	178.1	241.7	312.2	383.7	456.1
-75°	0.0	4.8	14.9	30.4	52.3	92.1	145.6	194.7	245.7	308.1	371.3
-77.5°	0.0	4.0	12.6	25.7	43.2	69.1	111.5	150.5	191.1	235.0	285.1
-80°	0.0	3.2	10.2	20.7	34.9	52.7	76.1	105.5	136.9	170.9	207.4
-82.5°	0.0	2.4	7.7	15.7	26.4	39.8	55.9	67.7	81.8	105.7	131.6
-85°	0.0	1.6	5.1	10.5	17.7	26.7	37.5	45.3	53.3	61.7	70.4
-87.5°	0.0	0.8	2.6	5.3	8.9	13.4	18.8	22.7	26.7	30.9	35.3
-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-SA6E-727-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°	1.2	1.3	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1
85°	2.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.9	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	3.1	3.5	3.4	3.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7
70°	4.2	4.4	3.8	3.1	2.7	2.8	3.1	3.0	2.7	2.7	2.7
67.5°	5.2	4.6	3.9	3.7	3.7	4.1	4.0	3.3	2.7	2.7	2.8
65°	5.3	4.7	6.7	7.6	5.6	4.8	4.1	3.5	3.7	3.9	3.9
62.5°	8.0	10.1	12.8	22.8	17.0	5.0	8.9	10.5	7.7	6.4	6.8
60°	26.3	17.9	53.0	76.0	47.5	17.3	21.1	70.3	61.0	11.3	38.1
57.5°	55.3	75.8	139.7	142.2	98.4	67.9	197.5	228.1	172.7	100.8	154.1
55°	121.7	187.0	231.7	214.5	234.2	354.7	421.5	378.7	318.8	490.4	626.5
52.5°	237.8	304.4	319.5	366.9	525.2	603.5	578.3	618.5	802.0	996.0	1038.1
50°	351.0	405.5	448.0	647.8	771.7	779.6	837.1	1018.9	1263.8	1382.5	1353.8
47.5°	460.5	517.0	714.9	906.9	962.6	1038.8	1182.6	1533.6	1792.9	1798.0	1768.7
45°	576.2	727.1	979.7	1105.0	1195.3	1342.7	1690.0	2174.1	2199.3	2269.6	2702.3
42.5°	700.1	964.4	1184.8	1315.1	1460.9	1736.0	2199.5	2517.1	2626.4	2934.3	3282.3
40°	900.6	1193.6	1386.2	1552.7	1740.2	2141.6	2649.2	2946.8	3035.6	3302.2	3563.8
37.5°	1104.1	1385.0	1600.8	1801.7	2061.6	2603.4	3190.7	3436.1	3481.0	3529.8	4109.4
35°	1300.1	1581.3	1839.7	2102.5	2421.2	3201.1	3714.4	3945.2	3938.1	4267.2	4874.2
32.5°	1483.3	1782.0	2086.9	2438.4	2964.3	3763.3	4276.9	4415.1	4624.6	5103.5	5931.9
30°	1666.2	2005.8	2355.9	2774.6	3440.9	4133.4	4719.7	4942.0	5301.1	5847.6	6450.6
27.5°	1854.6	2235.3	2658.7	3149.4	3817.0	4453.7	4954.4	5485.6	5834.5	6324.3	6753.2
25°	2042.3	2478.3	2957.6	3476.9	4085.9	4679.3	5197.2	5810.6	6185.2	6580.1	6980.3
22.5°	2239.1	2724.6	3266.0	3736.5	4312.6	4871.0	5487.6	6153.0	6640.1	6891.1	7159.7
20°	2444.9	2991.1	3568.5	4089.8	4536.3	5049.2	5779.2	6587.6	7216.5	7498.8	7535.7
17.5°	2647.6	3249.4	3870.1	4434.5	4916.1	5372.6	6085.3	7108.4	7890.3	8152.8	8269.6
15°	2845.4	3497.7	4170.2	4770.0	5298.6	5856.8	6618.0	7658.3	8552.3	8842.8	9026.5
12.5°	3036.3	3734.6	4465.3	5094.3	5681.4	6307.6	7101.6	8054.0	8870.0	9431.9	9768.9
10°	3218.1	3958.2	4751.8	5405.6	6059.9	6725.6	7501.9	8348.7	9013.0	9555.0	10033.3
7.5°	3309.9	4104.4	4997.9	5702.0	6428.8	7112.0	7829.6	8556.5	9116.0	9647.6	10110.1
5°	3372.2	4164.4	5074.8	5805.2	6624.8	7369.8	8066.4	8693.0	9183.3	9710.1	10161.9
2.5°	3416.8	4203.3	5126.8	5861.7	6698.5	7449.0	8134.7	8738.6	9238.7	9754.8	10217.5
0°	3443.7	4221.8	5153.4	5896.5	6744.6	7501.2	8174.3	8755.9	9275.5	9776.3	10274.4
-2.5°	3458.9	4278.3	5171.1	5985.8	6789.1	7546.1	8229.8	8797.5	9340.5	9817.0	10316.4
-5°	3457.0	4312.0	5166.4	6045.9	6810.5	7563.7	8257.5	8816.3	9375.7	9847.6	10333.5
-7.5°	3438.2	4319.7	5143.1	6064.8	6811.3	7557.7	8245.4	8825.3	9375.2	9875.5	10335.1
-10°	3404.7	4289.2	5121.5	6016.1	6785.2	7527.1	8208.1	8805.5	9353.3	9869.9	10326.1
-12.5°	3365.3	4226.3	5076.7	5946.0	6732.1	7469.8	8151.6	8755.1	9312.3	9827.6	10305.5
-15°	3306.0	4142.5	5002.9	5857.0	6651.3	7386.5	8078.3	8672.8	9249.1	9753.8	10244.4
-17.5°	3226.4	4038.8	4899.1	5751.4	6542.5	7277.9	7984.1	8564.2	9137.8	9659.2	10132.7
-20°	3126.2	3915.9	4764.3	5631.4	6404.2	7131.9	7816.1	8423.6	8993.4	9523.8	10021.4



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	3004.9	3774.5	4601.9	5469.4	6231.8	6951.2	7627.3	8244.5	8835.0	9347.9	9878.2
-25°	2883.5	3625.1	4422.5	5245.2	6031.5	6747.9	7425.9	8027.2	8630.7	9164.3	9667.9
-27.5°	2767.1	3451.8	4214.2	4998.3	5804.5	6517.5	7189.4	7791.1	8377.0	8960.4	9445.3
-30°	2636.6	3251.3	3985.8	4734.9	5520.7	6246.6	6923.6	7548.0	8105.5	8681.6	9202.3
-32.5°	2492.5	3038.7	3744.6	4465.2	5206.2	5948.2	6618.9	7239.0	7819.1	8363.9	8910.5
-35°	2351.7	2866.9	3489.1	4175.6	4873.0	5600.9	6272.1	6886.3	7488.2	8028.0	8550.3
-37.5°	2224.9	2680.9	3217.5	3873.3	4539.7	5228.2	5910.8	6505.4	7078.2	7671.6	8180.9
-40°	2087.9	2481.2	2982.2	3561.9	4190.0	4844.7	5498.3	6113.4	6651.9	7238.3	7798.5
-42.5°	1944.3	2318.6	2750.1	3232.3	3825.2	4442.4	5073.4	5675.1	6234.3	6787.5	7342.6
-45°	1818.6	2146.4	2513.9	2954.5	3437.2	4017.8	4615.2	5215.0	5751.6	6278.8	6827.0
-47.5°	1684.9	1973.4	2313.2	2665.1	3084.7	3570.1	4131.9	4685.1	5234.4	5736.1	6221.1
-50°	1551.7	1817.6	2096.9	2413.6	2759.8	3153.4	3619.9	4134.2	4636.0	5151.0	5631.5
-52.5°	1436.9	1653.7	1906.1	2170.4	2466.8	2792.4	3166.2	3588.6	4045.0	4482.1	4961.4
-55°	1317.7	1513.3	1716.9	1949.7	2196.3	2471.0	2777.5	3132.5	3480.8	3885.0	4276.3
-57.5°	1209.1	1374.0	1547.7	1739.9	1954.1	2174.0	2441.8	2718.0	3034.0	3348.2	3658.1
-60°	1106.7	1241.4	1388.8	1551.5	1723.7	1919.4	2119.3	2356.5	2611.0	2861.8	3124.7
-62.5°	1003.4	1116.8	1236.9	1372.1	1522.2	1670.1	1840.7	2023.5	2210.8	2423.3	2630.7
-65°	897.2	988.9	1090.8	1202.9	1322.7	1448.6	1579.7	1715.1	1874.3	2030.1	2180.8
-67.5°	784.5	862.9	945.3	1033.6	1134.1	1233.1	1331.8	1446.1	1563.3	1678.6	1798.1
-70°	659.5	733.5	802.2	873.8	948.5	1025.9	1110.3	1194.1	1276.8	1363.2	1459.1
-72.5°	532.5	600.5	660.9	713.8	775.2	839.5	901.2	960.0	1022.4	1088.0	1152.9
-75°	424.7	469.7	523.6	572.9	621.7	667.0	707.7	757.6	809.7	857.3	896.5
-77.5°	331.5	372.3	409.3	442.3	481.1	526.6	566.2	600.2	633.3	669.4	707.6
-80°	241.2	275.1	308.7	339.3	361.6	387.3	417.7	452.4	482.5	507.0	529.3
-82.5°	155.7	180.2	205.2	230.7	241.0	248.1	254.7	266.8	285.4	303.9	321.4
-85°	77.6	84.7	100.0	115.7	121.0	124.8	127.4	128.8	135.1	141.0	146.1
-87.5°	38.9	42.4	45.9	49.4	47.6	45.0	41.9	38.1	37.2	36.1	34.7
-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: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	2.2	2.3	2.3	2.4	2.4	1.9	1.3	0.6	0.0	0.0	0.0
85°	2.7	2.7	2.7	2.7	2.7	2.6	2.5	2.5	2.5	1.9	1.3
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	2.9	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.4	1.7
65°	3.8	3.7	3.9	3.8	3.3	3.2	3.4	3.3	3.0	2.4	1.6
62.5°	6.8	7.6	6.0	6.0	5.9	5.7	5.4	5.2	4.8	4.6	4.7
60°	42.2	25.0	14.6	17.0	15.3	10.2	13.0	15.2	15.3	14.0	12.4
57.5°	234.0	174.8	129.4	309.0	309.9	148.0	178.2	280.1	230.7	75.8	70.4
55°	651.0	778.7	1024.9	973.5	989.3	1137.8	1242.4	1099.9	1078.3	1149.0	1327.3
52.5°	1169.6	1291.3	1374.2	1451.6	1545.9	1647.2	1751.5	1818.0	1880.1	1946.2	1985.6
50°	1493.6	1665.1	1782.9	1739.5	1983.5	2083.3	1982.0	2072.6	2183.1	2213.4	2227.6
47.5°	2205.5	2456.9	2506.8	2668.9	2814.4	2811.3	2687.7	2694.9	3023.8	3314.0	3456.5
45°	3169.6	3178.2	3336.3	3622.4	3826.8	3762.5	3935.0	4327.3	4457.9	4584.2	4687.7
42.5°	3545.2	3700.9	3953.2	4206.1	4358.5	4490.7	4618.5	4762.7	4932.3	5069.8	5179.7
40°	3908.9	4034.3	4292.6	4496.4	4622.6	4746.1	4894.9	5054.7	5209.9	5330.7	5413.2
37.5°	4468.6	4565.9	4628.8	4817.9	5056.7	4946.5	5229.0	5431.5	5524.0	5646.8	5657.8
35°	5315.5	5250.9	5167.1	5919.8	5964.9	5710.7	5974.8	6288.8	6123.3	6468.0	6653.3
32.5°	6066.3	6056.7	6713.7	7109.4	6881.7	7067.6	7676.5	7649.5	8055.4	8243.8	8190.1
30°	6773.6	7015.0	7394.9	7689.6	7729.1	8022.2	8292.6	8529.5	8774.6	8994.2	9009.3
27.5°	7132.7	7447.6	7705.6	7876.1	8066.4	8313.0	8558.4	8825.2	9033.6	9171.4	9205.0
25°	7349.9	7671.6	7866.9	8050.5	8260.6	8473.4	8748.2	9038.7	9206.1	9291.0	9318.1
22.5°	7541.4	7830.5	8040.4	8189.4	8415.5	8644.4	8900.6	9146.5	9328.4	9365.5	9379.0
20°	7725.7	8003.5	8354.2	8573.4	8562.5	8820.4	9067.3	9262.9	9414.5	9413.7	9417.3
17.5°	8259.0	8358.1	8994.5	9477.6	9238.4	9112.2	9791.1	9804.1	9844.3	9764.2	9590.5
15°	9048.5	9229.0	10010.8	10534.6	10369.7	10361.0	11341.6	11098.4	11307.7	11252.9	11488.5
12.5°	9884.8	10098.5	10682.8	11197.1	11442.2	11502.4	11829.9	12136.8	12199.9	12175.0	12128.7
10°	10454.5	10759.0	10993.7	11305.9	11553.0	11805.2	11995.0	12215.3	12287.5	12245.8	12186.7
7.5°	10528.7	10829.7	11105.2	11379.1	11614.5	11817.7	12014.5	12193.9	12267.4	12243.2	12202.6
5°	10575.9	10848.5	11115.6	11393.5	11618.6	11806.8	12003.0	12184.8	12228.1	12199.0	12159.4
2.5°	10605.0	10857.3	11114.7	11391.5	11595.9	11775.1	11973.8	12167.7	12167.3	12154.5	12131.4
0°	10619.1	10872.2	11171.0	11421.4	11650.3	11819.9	12016.4	12204.9	12191.5	12156.5	12116.1
-2.5°	10649.3	10905.8	11210.7	11418.3	11676.3	11831.6	12034.8	12198.0	12191.8	12174.5	12154.5
-5°	10676.3	10964.7	11250.0	11468.3	11726.9	11930.1	12131.9	12259.6	12266.4	12242.4	12208.8
-7.5°	10692.8	11012.4	11284.7	11503.9	11754.7	11990.9	12195.7	12329.7	12332.6	12300.8	12260.5
-10°	10687.3	11024.8	11305.0	11531.5	11788.4	12021.7	12235.8	12405.6	12400.1	12369.8	12335.4
-12.5°	10667.1	11004.2	11292.0	11519.2	11810.8	12051.0	12291.9	12460.8	12469.8	12447.0	12409.9
-15°	10622.7	10970.8	11250.7	11498.8	11784.7	12065.5	12313.0	12499.3	12532.6	12513.9	12484.6
-17.5°	10535.0	10902.3	11199.2	11466.6	11740.8	12040.1	12321.6	12525.4	12570.9	12563.5	12539.1
-20°	10419.8	10798.9	11100.2	11380.4	11679.0	11987.2	12314.8	12501.0	12567.0	12571.2	12554.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-727-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°	10290.5	10661.6	10981.3	11256.7	11580.5	11892.5	12189.1	12407.3	12518.1	12538.7	12540.1
-25°	10135.4	10516.8	10834.4	11127.7	11428.9	11751.1	12050.8	12294.3	12406.6	12460.3	12477.0
-27.5°	9916.3	10310.4	10623.1	10933.0	11239.4	11572.3	11887.3	12152.0	12243.4	12317.2	12346.8
-30°	9659.7	10049.4	10368.1	10651.5	11002.0	11341.4	11666.6	11897.5	12035.3	12119.7	12165.8
-32.5°	9364.6	9758.0	10092.5	10388.4	10721.6	11060.9	11366.8	11610.4	11800.4	11897.8	11947.1
-35°	9044.6	9446.2	9796.4	10108.1	10421.7	10745.2	11062.2	11317.0	11533.4	11617.1	11678.9
-37.5°	8658.5	9101.6	9460.7	9782.2	10080.2	10384.3	10714.3	11005.7	11215.8	11297.0	11362.1
-40°	8262.6	8690.9	9053.0	9395.9	9690.6	10022.7	10340.6	10645.9	10828.3	10923.0	10996.7
-42.5°	7844.7	8231.6	8576.0	8909.1	9237.2	9579.0	9896.8	10214.2	10371.9	10485.9	10576.4
-45°	7362.4	7722.4	8057.0	8368.8	8707.0	9043.0	9360.9	9641.4	9829.1	9977.6	10093.1
-47.5°	6719.3	7157.8	7493.8	7790.3	8125.6	8449.9	8757.9	9021.6	9227.4	9401.1	9535.3
-50°	6066.1	6487.0	6865.9	7199.1	7510.2	7809.9	8103.2	8361.2	8579.0	8767.3	8903.2
-52.5°	5422.9	5817.2	6193.2	6537.1	6836.2	7119.2	7387.5	7647.0	7876.7	8078.0	8209.5
-55°	4696.0	5104.5	5476.5	5797.2	6096.0	6375.7	6640.7	6886.8	7112.9	7317.9	7443.9
-57.5°	4014.2	4372.5	4718.5	5014.6	5296.6	5563.1	5814.3	6049.9	6267.6	6460.5	6582.0
-60°	3387.4	3648.7	3946.5	4219.9	4469.9	4696.6	4931.0	5150.7	5350.7	5520.3	5633.5
-62.5°	2833.5	3050.0	3265.0	3472.9	3675.7	3879.4	4075.6	4257.8	4424.9	4563.8	4663.0
-65°	2339.9	2513.9	2669.4	2816.8	2957.2	3117.9	3267.1	3407.3	3537.2	3643.7	3719.3
-67.5°	1926.7	2049.0	2156.5	2257.6	2368.4	2481.9	2588.4	2681.1	2760.4	2823.6	2873.4
-70°	1553.7	1643.7	1724.8	1805.4	1886.2	1960.1	2030.5	2098.7	2163.6	2216.4	2256.0
-72.5°	1216.8	1278.3	1333.5	1395.6	1453.8	1509.8	1558.5	1597.9	1628.5	1658.2	1684.1
-75°	927.6	973.8	1036.1	1088.7	1132.2	1170.6	1205.9	1237.3	1264.9	1289.3	1310.8
-77.5°	746.2	785.4	825.0	863.4	900.5	928.1	953.7	979.3	1004.4	1026.1	1045.2
-80°	553.0	582.2	612.8	643.6	674.3	689.6	701.8	713.0	723.0	735.9	748.0
-82.5°	338.1	354.7	371.7	388.9	406.1	410.5	412.0	411.6	409.4	404.7	397.5
-85°	150.5	151.4	150.9	149.2	146.3	140.3	133.1	124.6	115.2	113.7	112.0
-87.5°	33.1	32.4	31.5	30.5	29.3	29.2	29.1	28.9	28.6	29.6	30.5
-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: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.9	2.5	2.5
82.5°	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	2.7	2.7	1.4	0.0	1.4	2.7	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	1.4	0.0	1.4	2.7	2.7	2.7	2.7	2.7	2.7
67.5°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.7	2.4	2.7	2.7
65°	0.9	0.1	0.0	0.0	0.0	0.1	0.9	1.6	2.4	3.0	3.3
62.5°	4.9	5.2	5.3	5.4	5.3	5.2	4.9	4.7	4.6	4.8	5.2
60°	9.7	6.4	5.4	5.4	5.4	6.4	9.7	12.4	14.0	15.3	15.2
57.5°	59.5	44.4	37.7	35.0	37.7	44.4	59.5	70.4	75.8	230.7	280.1
55°	1455.1	1529.2	1584.5	1610.1	1584.5	1529.2	1455.1	1327.3	1149.0	1078.3	1099.9
52.5°	2020.3	2052.6	2071.1	2070.5	2071.1	2052.6	2020.3	1985.6	1946.2	1880.1	1818.0
50°	2251.9	2267.6	2273.1	2269.7	2273.1	2267.6	2251.9	2227.6	2213.4	2183.1	2072.6
47.5°	3326.3	3038.4	2826.8	2775.9	2826.8	3038.4	3326.3	3456.5	3314.0	3023.8	2694.9
45°	4737.4	4846.6	4955.3	4989.1	4955.3	4846.6	4737.4	4687.7	4584.2	4457.9	4327.3
42.5°	5226.1	5261.7	5281.8	5282.6	5281.8	5261.7	5226.1	5179.7	5069.8	4932.3	4762.7
40°	5459.3	5492.8	5512.4	5514.2	5512.4	5492.8	5459.3	5413.2	5330.7	5209.9	5054.7
37.5°	5671.2	5699.8	5718.5	5737.6	5718.5	5699.8	5671.2	5657.8	5646.8	5524.0	5431.5
35°	6628.3	6411.5	6099.6	6146.9	6099.6	6411.5	6628.3	6653.3	6468.0	6123.3	6288.8
32.5°	8274.0	8365.2	8422.0	8518.9	8422.0	8365.2	8274.0	8190.1	8243.8	8055.4	7649.5
30°	9033.3	9063.5	9109.1	9157.1	9109.1	9063.5	9033.3	9009.3	8994.2	8774.6	8529.5
27.5°	9222.8	9254.0	9281.7	9302.4	9281.7	9254.0	9222.8	9205.0	9171.4	9033.6	8825.2
25°	9322.0	9341.4	9370.8	9396.7	9370.8	9341.4	9322.0	9318.1	9291.0	9206.1	9038.7
22.5°	9371.2	9373.3	9396.3	9429.0	9396.3	9373.3	9371.2	9379.0	9365.5	9328.4	9146.5
20°	9405.0	9386.7	9410.5	9431.7	9410.5	9386.7	9405.0	9417.3	9413.7	9414.5	9262.9
17.5°	9835.5	9589.9	9489.0	9490.9	9489.0	9589.9	9835.5	9590.5	9764.2	9844.3	9804.1
15°	11224.1	11316.3	11669.5	11860.3	11669.5	11316.3	11224.1	11488.5	11252.9	11307.7	11098.4
12.5°	12120.2	12087.4	12045.5	12102.6	12045.5	12087.4	12120.2	12128.7	12175.0	12199.9	12136.8
10°	12161.6	12157.9	12083.2	12164.5	12083.2	12157.9	12161.6	12186.7	12245.8	12287.5	12215.3
7.5°	12136.2	12138.5	12106.7	12186.1	12106.7	12138.5	12136.2	12202.6	12243.2	12267.4	12193.9
5°	12153.1	12098.3	12119.1	12164.5	12119.1	12098.3	12153.1	12159.4	12199.0	12228.1	12184.8
2.5°	12106.0	12100.4	12060.1	12091.8	12060.1	12100.4	12106.0	12131.4	12154.5	12167.3	12167.7
0°	12070.3	12040.7	12040.7	12067.6	12040.7	12040.7	12070.3	12116.1	12156.5	12191.5	12204.9
-2.5°	12134.0	12127.8	12123.9	12105.3	12123.9	12127.8	12134.0	12154.5	12174.5	12191.8	12198.0
-5°	12186.3	12170.3	12126.2	12186.1	12126.2	12170.3	12186.3	12208.8	12242.4	12266.4	12259.6
-7.5°	12242.7	12201.8	12159.9	12253.4	12159.9	12201.8	12242.7	12260.5	12300.8	12332.6	12329.7
-10°	12294.1	12235.0	12194.2	12285.7	12194.2	12235.0	12294.1	12335.4	12369.8	12400.1	12405.6
-12.5°	12362.0	12293.0	12265.7	12315.3	12265.7	12293.0	12362.0	12409.9	12447.0	12469.8	12460.8
-15°	12434.5	12386.7	12380.3	12409.5	12380.3	12386.7	12434.5	12484.6	12513.9	12532.6	12499.3
-17.5°	12498.2	12464.6	12481.2	12514.6	12481.2	12464.6	12498.2	12539.1	12563.5	12570.9	12525.4
-20°	12528.6	12509.8	12528.5	12611.5	12528.5	12509.8	12528.6	12554.7	12571.2	12567.0	12501.0



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	12526.0	12527.2	12560.1	12587.2	12560.1	12527.2	12526.0	12540.1	12538.7	12518.1	12407.3
-25°	12478.2	12503.4	12541.2	12595.3	12541.2	12503.4	12478.2	12477.0	12460.3	12406.6	12294.3
-27.5°	12362.9	12404.7	12444.2	12501.1	12444.2	12404.7	12362.9	12346.8	12317.2	12243.4	12152.0
-30°	12196.3	12246.0	12281.3	12342.2	12281.3	12246.0	12196.3	12165.8	12119.7	12035.3	11897.5
-32.5°	11993.4	12049.7	12091.4	12134.9	12091.4	12049.7	11993.4	11947.1	11897.8	11800.4	11610.4
-35°	11739.9	11800.5	11844.8	11884.5	11844.8	11800.5	11739.9	11678.9	11617.1	11533.4	11317.0
-37.5°	11435.3	11500.6	11551.1	11596.4	11551.1	11500.6	11435.3	11362.1	11297.0	11215.8	11005.7
-40°	11080.3	11147.4	11201.3	11251.8	11201.3	11147.4	11080.3	10996.7	10923.0	10828.3	10645.9
-42.5°	10665.4	10733.1	10788.7	10839.8	10788.7	10733.1	10665.4	10576.4	10485.9	10371.9	10214.2
-45°	10186.2	10255.9	10314.7	10368.7	10314.7	10255.9	10186.2	10093.1	9977.6	9829.1	9641.4
-47.5°	9634.3	9708.9	9759.2	9784.4	9759.2	9708.9	9634.3	9535.3	9401.1	9227.4	9021.6
-50°	9001.7	9076.3	9136.7	9181.3	9136.7	9076.3	9001.7	8903.2	8767.3	8579.0	8361.2
-52.5°	8305.5	8376.3	8428.3	8459.7	8428.3	8376.3	8305.5	8209.5	8078.0	7876.7	7647.0
-55°	7543.0	7617.3	7666.6	7689.7	7666.6	7617.3	7543.0	7443.9	7317.9	7112.9	6886.8
-57.5°	6678.3	6748.8	6801.2	6830.8	6801.2	6748.8	6678.3	6582.0	6460.5	6267.6	6049.9
-60°	5721.7	5784.8	5824.4	5839.9	5824.4	5784.8	5721.7	5633.5	5520.3	5350.7	5150.7
-62.5°	4743.0	4802.8	4840.0	4854.5	4840.0	4802.8	4743.0	4663.0	4563.8	4424.9	4257.8
-65°	3775.6	3813.1	3833.8	3836.8	3833.8	3813.1	3775.6	3719.3	3643.7	3537.2	3407.3
-67.5°	2912.8	2941.3	2958.6	2964.4	2958.6	2941.3	2912.8	2873.4	2823.6	2760.4	2681.1
-70°	2285.6	2305.2	2316.3	2318.2	2316.3	2305.2	2285.6	2256.0	2216.4	2163.6	2098.7
-72.5°	1704.1	1718.2	1713.2	1701.6	1713.2	1718.2	1704.1	1684.1	1658.2	1628.5	1597.9
-75°	1329.3	1344.8	1338.4	1327.4	1338.4	1344.8	1329.3	1310.8	1289.3	1264.9	1237.3
-77.5°	1062.0	1076.1	1069.1	1058.1	1069.1	1076.1	1062.0	1045.2	1026.1	1004.4	979.3
-80°	758.3	766.6	772.5	775.4	772.5	766.6	758.3	748.0	735.9	723.0	713.0
-82.5°	388.2	376.7	369.5	360.8	369.5	376.7	388.2	397.5	404.7	409.4	411.6
-85°	109.7	107.2	108.9	110.4	108.9	107.2	109.7	112.0	113.7	115.2	124.6
-87.5°	31.4	32.2	32.3	32.3	32.3	32.2	31.4	30.5	29.6	28.6	28.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	1.3	1.9	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9
85°	2.5	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
72.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.0
67.5°	2.7	2.7	2.8	2.7	2.7	2.7	2.9	2.8	2.7	2.7	3.3
65°	3.4	3.2	3.3	3.8	3.9	3.7	3.8	3.9	3.9	3.7	3.5
62.5°	5.4	5.7	5.9	6.0	6.0	7.6	6.8	6.8	6.4	7.7	10.5
60°	13.0	10.2	15.3	17.0	14.6	25.0	42.2	38.1	11.3	61.0	70.3
57.5°	178.2	148.0	309.9	309.0	129.4	174.8	234.0	154.1	100.8	172.7	228.1
55°	1242.4	1137.8	989.3	973.5	1024.9	778.7	651.0	626.5	490.4	318.8	378.7
52.5°	1751.5	1647.2	1545.9	1451.6	1374.2	1291.3	1169.6	1038.1	996.0	802.0	618.5
50°	1982.0	2083.3	1983.5	1739.5	1782.9	1665.1	1493.6	1353.8	1382.5	1263.8	1018.9
47.5°	2687.7	2811.3	2814.4	2668.9	2506.8	2456.9	2205.5	1768.7	1798.0	1792.9	1533.6
45°	3935.0	3762.5	3826.8	3622.4	3336.3	3178.2	3169.6	2702.3	2269.6	2199.3	2174.1
42.5°	4618.5	4490.7	4358.5	4206.1	3953.2	3700.9	3545.2	3282.3	2934.3	2626.4	2517.1
40°	4894.9	4746.1	4622.6	4496.4	4292.6	4034.3	3908.9	3563.8	3302.2	3035.6	2946.8
37.5°	5229.0	4946.5	5056.7	4817.9	4628.8	4565.9	4468.6	4109.4	3529.8	3481.0	3436.1
35°	5974.8	5710.7	5964.9	5919.8	5167.1	5250.9	5315.5	4874.2	4267.2	3938.1	3945.2
32.5°	7676.5	7067.6	6881.7	7109.4	6713.7	6056.7	6066.3	5931.9	5103.5	4624.6	4415.1
30°	8292.6	8022.2	7729.1	7689.6	7394.9	7015.0	6773.6	6450.6	5847.6	5301.1	4942.0
27.5°	8558.4	8313.0	8066.4	7876.1	7705.6	7447.6	7132.7	6753.2	6324.3	5834.5	5485.6
25°	8748.2	8473.4	8260.6	8050.5	7866.9	7671.6	7349.9	6980.3	6580.1	6185.2	5810.6
22.5°	8900.6	8644.4	8415.5	8189.4	8040.4	7830.5	7541.4	7159.7	6891.1	6640.1	6153.0
20°	9067.3	8820.4	8562.5	8573.4	8354.2	8003.5	7725.7	7535.7	7498.8	7216.5	6587.6
17.5°	9791.1	9112.2	9238.4	9477.6	8994.5	8358.1	8259.0	8269.6	8152.8	7890.3	7108.4
15°	11341.6	10361.0	10369.7	10534.6	10010.8	9229.0	9048.5	9026.5	8842.8	8552.3	7658.3
12.5°	11829.9	11502.4	11442.2	11197.1	10682.8	10098.5	9884.8	9768.9	9431.9	8870.0	8054.0
10°	11995.0	11805.2	11553.0	11305.9	10993.7	10759.0	10454.5	10033.3	9555.0	9013.0	8348.7
7.5°	12014.5	11817.7	11614.5	11379.1	11105.2	10829.7	10528.7	10110.1	9647.6	9116.0	8556.5
5°	12003.0	11806.8	11618.6	11393.5	11115.6	10848.5	10575.9	10161.9	9710.1	9183.3	8693.0
2.5°	11973.8	11775.1	11595.9	11391.5	11114.7	10857.3	10605.0	10217.5	9754.8	9238.7	8738.6
0°	12016.4	11819.9	11650.3	11421.4	11171.0	10872.2	10619.1	10274.4	9776.3	9275.5	8755.9
-2.5°	12034.8	11831.6	11676.3	11418.3	11210.7	10905.8	10649.3	10316.4	9817.0	9340.5	8797.5
-5°	12131.9	11930.1	11726.9	11468.3	11250.0	10964.7	10676.3	10333.5	9847.6	9375.7	8816.3
-7.5°	12195.7	11990.9	11754.7	11503.9	11284.7	11012.4	10692.8	10335.1	9875.5	9375.2	8825.3
-10°	12235.8	12021.7	11788.4	11531.5	11305.0	11024.8	10687.3	10326.1	9869.9	9353.3	8805.5
-12.5°	12291.9	12051.0	11810.8	11519.2	11292.0	11004.2	10667.1	10305.5	9827.6	9312.3	8755.1
-15°	12313.0	12065.5	11784.7	11498.8	11250.7	10970.8	10622.7	10244.4	9753.8	9249.1	8672.8
-17.5°	12321.6	12040.1	11740.8	11466.6	11199.2	10902.3	10535.0	10132.7	9659.2	9137.8	8564.2
-20°	12314.8	11987.2	11679.0	11380.4	11100.2	10798.9	10419.8	10021.4	9523.8	8993.4	8423.6



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	12189.1	11892.5	11580.5	11256.7	10981.3	10661.6	10290.5	9878.2	9347.9	8835.0	8244.5
-25°	12050.8	11751.1	11428.9	11127.7	10834.4	10516.8	10135.4	9667.9	9164.3	8630.7	8027.2
-27.5°	11887.3	11572.3	11239.4	10933.0	10623.1	10310.4	9916.3	9445.3	8960.4	8377.0	7791.1
-30°	11666.6	11341.4	11002.0	10651.5	10368.1	10049.4	9659.7	9202.3	8681.6	8105.5	7548.0
-32.5°	11366.8	11060.9	10721.6	10388.4	10092.5	9758.0	9364.6	8910.5	8363.9	7819.1	7239.0
-35°	11062.2	10745.2	10421.7	10108.1	9796.4	9446.2	9044.6	8550.3	8028.0	7488.2	6886.3
-37.5°	10714.3	10384.3	10080.2	9782.2	9460.7	9101.6	8658.5	8180.9	7671.6	7078.2	6505.4
-40°	10340.6	10022.7	9690.6	9395.9	9053.0	8690.9	8262.6	7798.5	7238.3	6651.9	6113.4
-42.5°	9896.8	9579.0	9237.2	8909.1	8576.0	8231.6	7844.7	7342.6	6787.5	6234.3	5675.1
-45°	9360.9	9043.0	8707.0	8368.8	8057.0	7722.4	7362.4	6827.0	6278.8	5751.6	5215.0
-47.5°	8757.9	8449.9	8125.6	7790.3	7493.8	7157.8	6719.3	6221.1	5736.1	5234.4	4685.1
-50°	8103.2	7809.9	7510.2	7199.1	6865.9	6487.0	6066.1	5631.5	5151.0	4636.0	4134.2
-52.5°	7387.5	7119.2	6836.2	6537.1	6193.2	5817.2	5422.9	4961.4	4482.1	4045.0	3588.6
-55°	6640.7	6375.7	6096.0	5797.2	5476.5	5104.5	4696.0	4276.3	3885.0	3480.8	3132.5
-57.5°	5814.3	5563.1	5296.6	5014.6	4718.5	4372.5	4014.2	3658.1	3348.2	3034.0	2718.0
-60°	4931.0	4696.6	4469.9	4219.9	3946.5	3648.7	3387.4	3124.7	2861.8	2611.0	2356.5
-62.5°	4075.6	3879.4	3675.7	3472.9	3265.0	3050.0	2833.5	2630.7	2423.3	2210.8	2023.5
-65°	3267.1	3117.9	2957.2	2816.8	2669.4	2513.9	2339.9	2180.8	2030.1	1874.3	1715.1
-67.5°	2588.4	2481.9	2368.4	2257.6	2156.5	2049.0	1926.7	1798.1	1678.6	1563.3	1446.1
-70°	2030.5	1960.1	1886.2	1805.4	1724.8	1643.7	1553.7	1459.1	1363.2	1276.8	1194.1
-72.5°	1558.5	1509.8	1453.8	1395.6	1333.5	1278.3	1216.8	1152.9	1088.0	1022.4	960.0
-75°	1205.9	1170.6	1132.2	1088.7	1036.1	973.8	927.6	896.5	857.3	809.7	757.6
-77.5°	953.7	928.1	900.5	863.4	825.0	785.4	746.2	707.6	669.4	633.3	600.2
-80°	701.8	689.6	674.3	643.6	612.8	582.2	553.0	529.3	507.0	482.5	452.4
-82.5°	412.0	410.5	406.1	388.9	371.7	354.7	338.1	321.4	303.9	285.4	266.8
-85°	133.1	140.3	146.3	149.2	150.9	151.4	150.5	146.1	141.0	135.1	128.8
-87.5°	29.1	29.2	29.3	30.5	31.5	32.4	33.1	34.7	36.1	37.2	38.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-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°	1.8	1.7	1.6	1.5	1.5	1.3	1.2	1.1	1.3	1.4	1.4
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.5	2.3	2.6	2.8	2.8
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.4	4.1	4.3
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.5	4.1	4.8
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.5	4.2	4.8
75°	2.7	2.7	2.7	2.8	2.9	2.7	2.7	2.9	3.6	4.2	4.9
72.5°	2.7	2.7	2.7	3.0	3.4	3.5	3.1	3.0	3.6	4.3	4.9
70°	3.1	2.8	2.7	3.1	3.8	4.4	4.2	4.3	3.8	4.4	5.0
67.5°	4.0	4.1	3.7	3.7	3.9	4.6	5.2	6.1	6.0	4.5	5.1
65°	4.1	4.8	5.6	7.6	6.7	4.7	5.3	10.6	8.4	7.2	5.1
62.5°	8.9	5.0	17.0	22.8	12.8	10.1	8.0	23.5	14.8	10.0	7.2
60°	21.1	17.3	47.5	76.0	53.0	17.9	26.3	40.7	37.4	13.0	10.2
57.5°	197.5	67.9	98.4	142.2	139.7	75.8	55.3	73.8	63.5	36.6	14.4
55°	421.5	354.7	234.2	214.5	231.7	187.0	121.7	119.4	98.0	67.9	23.3
52.5°	578.3	603.5	525.2	366.9	319.5	304.4	237.8	173.2	153.8	101.9	59.0
50°	837.1	779.6	771.7	647.8	448.0	405.5	351.0	270.7	215.8	145.8	99.7
47.5°	1182.6	1038.8	962.6	906.9	714.9	517.0	460.5	370.2	284.3	210.0	142.3
45°	1690.0	1342.7	1195.3	1105.0	979.7	727.1	576.2	466.8	370.5	281.9	186.9
42.5°	2199.5	1736.0	1460.9	1315.1	1184.8	964.4	700.1	578.2	454.5	355.2	243.5
40°	2649.2	2141.6	1740.2	1552.7	1386.2	1193.6	900.6	697.5	536.9	430.5	307.8
37.5°	3190.7	2603.4	2061.6	1801.7	1600.8	1385.0	1104.1	822.0	635.9	509.6	372.3
35°	3714.4	3201.1	2421.2	2102.5	1839.7	1581.3	1300.1	969.2	757.4	589.9	436.8
32.5°	4276.9	3763.3	2964.3	2438.4	2086.9	1782.0	1483.3	1148.2	879.7	671.3	501.1
30°	4719.7	4133.4	3440.9	2774.6	2355.9	2005.8	1666.2	1320.0	1002.3	753.3	565.9
27.5°	4954.4	4453.7	3817.0	3149.4	2658.7	2235.3	1854.6	1484.1	1124.7	843.4	633.5
25°	5197.2	4679.3	4085.9	3476.9	2957.6	2478.3	2042.3	1640.6	1258.3	945.1	700.3
22.5°	5487.6	4871.0	4312.6	3736.5	3266.0	2724.6	2239.1	1799.1	1391.9	1044.8	766.0
20°	5779.2	5049.2	4536.3	4089.8	3568.5	2991.1	2444.9	1953.6	1518.0	1141.9	830.3
17.5°	6085.3	5372.6	4916.1	4434.5	3870.1	3249.4	2647.6	2103.3	1636.3	1236.0	892.8
15°	6618.0	5856.8	5298.6	4770.0	4170.2	3497.7	2845.4	2247.2	1746.6	1326.3	950.9
12.5°	7101.6	6307.6	5681.4	5094.3	4465.3	3734.6	3036.3	2384.0	1848.8	1398.3	1002.7
10°	7501.9	6725.6	6059.9	5405.6	4751.8	3958.2	3218.1	2495.5	1910.1	1452.1	1050.4
7.5°	7829.6	7112.0	6428.8	5702.0	4997.9	4104.4	3309.9	2560.5	1957.6	1497.8	1093.9
5°	8066.4	7369.8	6624.8	5805.2	5074.8	4164.4	3372.2	2613.4	1995.9	1536.0	1133.1
2.5°	8134.7	7449.0	6698.5	5861.7	5126.8	4203.3	3416.8	2653.9	2025.4	1566.9	1167.8
0°	8174.3	7501.2	6744.6	5896.5	5153.4	4221.8	3443.7	2681.7	2046.3	1591.2	1198.1
-2.5°	8229.8	7546.1	6789.1	5985.8	5171.1	4278.3	3458.9	2699.8	2072.7	1599.9	1215.8
-5°	8257.5	7563.7	6810.5	6045.9	5166.4	4312.0	3457.0	2705.6	2089.9	1603.0	1228.7
-7.5°	8245.4	7557.7	6811.3	6064.8	5143.1	4319.7	3438.2	2699.5	2096.8	1600.8	1236.8
-10°	8208.1	7527.1	6785.2	6016.1	5121.5	4289.2	3404.7	2682.4	2092.7	1593.9	1239.8
-12.5°	8151.6	7469.8	6732.1	5946.0	5076.7	4226.3	3365.3	2653.0	2075.8	1582.9	1237.8
-15°	8078.3	7386.5	6651.3	5857.0	5002.9	4142.5	3306.0	2610.3	2042.9	1570.4	1230.5
-17.5°	7984.1	7277.9	6542.5	5751.4	4899.1	4038.8	3226.4	2554.7	2001.8	1555.1	1215.7
-20°	7816.1	7131.9	6404.2	5631.4	4764.3	3915.9	3126.2	2486.1	1952.8	1533.4	1194.5



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7627.3	6951.2	6231.8	5469.4	4601.9	3774.5	3004.9	2404.7	1896.3	1505.1	1169.1
-25°	7425.9	6747.9	6031.5	5245.2	4422.5	3625.1	2883.5	2310.4	1832.6	1470.1	1139.5
-27.5°	7189.4	6517.5	5804.5	4998.3	4214.2	3451.8	2767.1	2226.9	1771.0	1428.4	1106.0
-30°	6923.6	6246.6	5520.7	4734.9	3985.8	3251.3	2636.6	2137.8	1718.9	1382.8	1068.6
-32.5°	6618.9	5948.2	5206.2	4465.2	3744.6	3038.7	2492.5	2042.4	1658.7	1334.5	1034.0
-35°	6272.1	5600.9	4873.0	4175.6	3489.1	2866.9	2351.7	1941.2	1590.4	1282.2	997.5
-37.5°	5910.8	5228.2	4539.7	3873.3	3217.5	2680.9	2224.9	1841.3	1514.2	1226.2	957.2
-40°	5498.3	4844.7	4190.0	3561.9	2982.2	2481.2	2087.9	1742.6	1442.2	1166.6	913.2
-42.5°	5073.4	4442.4	3825.2	3232.3	2750.1	2318.6	1944.3	1636.4	1366.1	1109.0	865.4
-45°	4615.2	4017.8	3437.2	2954.5	2513.9	2146.4	1818.6	1526.3	1284.9	1050.1	816.0
-47.5°	4131.9	3570.1	3084.7	2665.1	2313.2	1973.4	1684.9	1431.1	1199.8	987.0	766.6
-50°	3619.9	3153.4	2759.8	2413.6	2096.9	1817.6	1551.7	1331.3	1121.7	917.3	714.8
-52.5°	3166.2	2792.4	2466.8	2170.4	1906.1	1653.7	1436.9	1229.0	1041.2	850.5	660.6
-55°	2777.5	2471.0	2196.3	1949.7	1716.9	1513.3	1317.7	1138.2	958.5	783.6	605.8
-57.5°	2441.8	2174.0	1954.1	1739.9	1547.7	1374.0	1209.1	1045.4	879.3	714.4	562.2
-60°	2119.3	1919.4	1723.7	1551.5	1388.8	1241.4	1106.7	952.6	799.3	645.0	514.0
-62.5°	1840.7	1670.1	1522.2	1372.1	1236.9	1116.8	1003.4	861.8	717.0	580.9	461.6
-65°	1579.7	1448.6	1322.7	1202.9	1090.8	988.9	897.2	768.8	634.5	513.0	407.2
-67.5°	1331.8	1233.1	1134.1	1033.6	945.3	862.9	784.5	668.4	548.4	441.5	353.3
-70°	1110.3	1025.9	948.5	873.8	802.2	733.5	659.5	561.6	458.3	377.4	298.1
-72.5°	901.2	839.5	775.2	713.8	660.9	600.5	532.5	456.1	383.7	312.2	241.7
-75°	707.7	667.0	621.7	572.9	523.6	469.7	424.7	371.3	308.1	245.7	194.7
-77.5°	566.2	526.6	481.1	442.3	409.3	372.3	331.5	285.1	235.0	191.1	150.5
-80°	417.7	387.3	361.6	339.3	308.7	275.1	241.2	207.4	170.9	136.9	105.5
-82.5°	254.7	248.1	241.0	230.7	205.2	180.2	155.7	131.6	105.7	81.8	67.7
-85°	127.4	124.8	121.0	115.7	100.0	84.7	77.6	70.4	61.7	53.3	45.3
-87.5°	41.9	45.0	47.6	49.4	45.9	42.4	38.9	35.3	30.9	26.7	22.7
-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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.2	0.9	0.7	0.5	0.3	0.0
85°	2.8	2.3	1.9	1.4	0.9	0.6	0.0
82.5°	4.2	3.5	2.8	2.1	1.4	0.9	0.0
80°	5.4	4.7	3.7	2.8	1.9	1.2	0.0
77.5°	5.4	5.5	4.7	3.5	2.4	1.5	0.0
75°	5.5	5.6	5.4	4.2	2.8	1.8	0.0
72.5°	5.5	5.8	5.7	4.9	3.3	2.0	0.0
70°	5.7	6.0	5.9	5.5	3.8	2.3	0.0
67.5°	6.3	6.2	6.2	5.7	4.3	2.6	0.0
65°	7.3	7.2	6.5	6.0	4.8	2.9	0.0
62.5°	8.5	8.9	6.8	6.3	5.3	3.2	0.0
60°	10.0	10.8	7.1	6.5	5.8	3.5	0.0
57.5°	18.4	13.0	9.2	6.8	6.1	3.7	0.0
55°	29.4	15.3	11.4	7.1	6.4	4.0	0.0
52.5°	42.2	19.6	13.8	7.4	6.7	4.3	0.0
50°	56.8	33.4	16.2	7.7	7.0	4.5	0.0
47.5°	76.4	48.3	18.8	8.4	7.3	4.8	0.0
45°	115.2	64.2	21.5	10.5	7.6	5.1	0.0
42.5°	155.0	81.2	24.2	12.5	8.0	5.3	0.0
40°	195.7	99.1	32.6	15.1	8.3	5.5	0.0
37.5°	237.1	118.0	46.7	18.4	8.7	5.8	0.0
35°	279.2	146.6	60.9	22.0	9.0	6.0	0.0
32.5°	324.9	179.8	75.4	25.9	9.4	6.2	0.0
30°	377.1	212.7	89.9	30.2	9.7	6.4	0.0
27.5°	428.2	245.3	107.9	34.7	10.1	6.6	0.0
25°	478.2	277.3	126.3	39.5	10.4	6.8	0.0
22.5°	526.7	310.0	144.7	44.5	10.8	7.0	0.0
20°	573.5	345.0	162.9	49.7	11.1	7.2	0.0
17.5°	619.9	378.9	180.8	54.9	11.4	7.3	0.0
15°	664.4	411.5	198.3	60.2	11.8	7.5	0.0
12.5°	706.1	442.6	215.1	65.4	12.1	7.6	0.0
10°	744.7	472.0	231.3	70.6	12.4	7.7	0.0
7.5°	780.2	499.4	246.5	75.6	12.7	7.9	0.0
5°	812.5	524.7	260.7	80.3	13.0	8.0	0.0
2.5°	841.5	547.7	273.7	84.8	13.3	8.0	0.0
0°	867.0	568.1	285.4	88.9	13.5	8.1	0.0
-2.5°	879.7	581.1	296.3	94.7	15.6	8.6	0.0
-5°	889.0	591.2	305.5	100.0	17.7	9.0	0.0
-7.5°	894.9	598.7	313.0	104.8	19.7	9.4	0.0
-10°	897.6	603.3	318.7	108.9	21.6	9.8	0.0
-12.5°	897.1	605.2	322.5	112.4	23.5	10.2	0.0
-15°	893.5	604.4	324.4	115.1	25.2	10.5	0.0
-17.5°	887.0	600.7	324.2	117.1	26.8	10.8	0.0
-20°	876.9	594.4	321.8	118.3	28.3	11.1	0.0

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REPORT NUMBER: P645585 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA6E-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	862.2	585.3	317.3	118.7	29.7	11.3	0.0
-25°	844.1	571.2	310.5	118.1	30.8	11.5	0.0
-27.5°	822.7	553.7	301.5	116.7	31.9	11.6	0.0
-30°	797.9	533.7	290.1	114.3	32.7	11.7	0.0
-32.5°	769.7	511.4	277.0	110.9	33.3	11.7	0.0
-35°	739.3	486.8	262.3	106.6	33.8	11.7	0.0
-37.5°	706.6	462.0	246.1	101.2	34.0	11.6	0.0
-40°	671.3	439.6	228.5	94.9	34.0	11.5	0.0
-42.5°	633.7	415.5	215.2	88.1	33.8	11.3	0.0
-45°	593.6	390.0	206.1	81.2	33.4	11.1	0.0
-47.5°	551.3	362.9	195.3	73.3	32.8	10.8	0.0
-50°	515.9	334.4	183.0	70.7	32.0	10.5	0.0
-52.5°	480.5	304.6	169.0	69.3	31.0	10.1	0.0
-55°	443.7	282.0	153.6	67.1	29.7	9.7	0.0
-57.5°	405.5	259.1	136.6	64.2	28.3	9.2	0.0
-60°	366.7	234.0	118.9	60.6	26.7	8.7	0.0
-62.5°	331.3	207.0	110.4	56.3	25.1	8.1	0.0
-65°	293.4	178.1	100.8	51.3	23.3	7.5	0.0
-67.5°	253.1	154.0	90.1	45.8	21.4	6.9	0.0
-70°	210.6	134.8	78.3	39.7	19.3	6.2	0.0
-72.5°	178.1	114.1	65.7	35.0	17.2	5.5	0.0
-75°	145.6	92.1	52.3	30.4	14.9	4.8	0.0
-77.5°	111.5	69.1	43.2	25.7	12.6	4.0	0.0
-80°	76.1	52.7	34.9	20.7	10.2	3.2	0.0
-82.5°	55.9	39.8	26.4	15.7	7.7	2.4	0.0
-85°	37.5	26.7	17.7	10.5	5.1	1.6	0.0
-87.5°	18.8	13.4	8.9	5.3	2.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)