

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: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-727-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645465 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-727-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

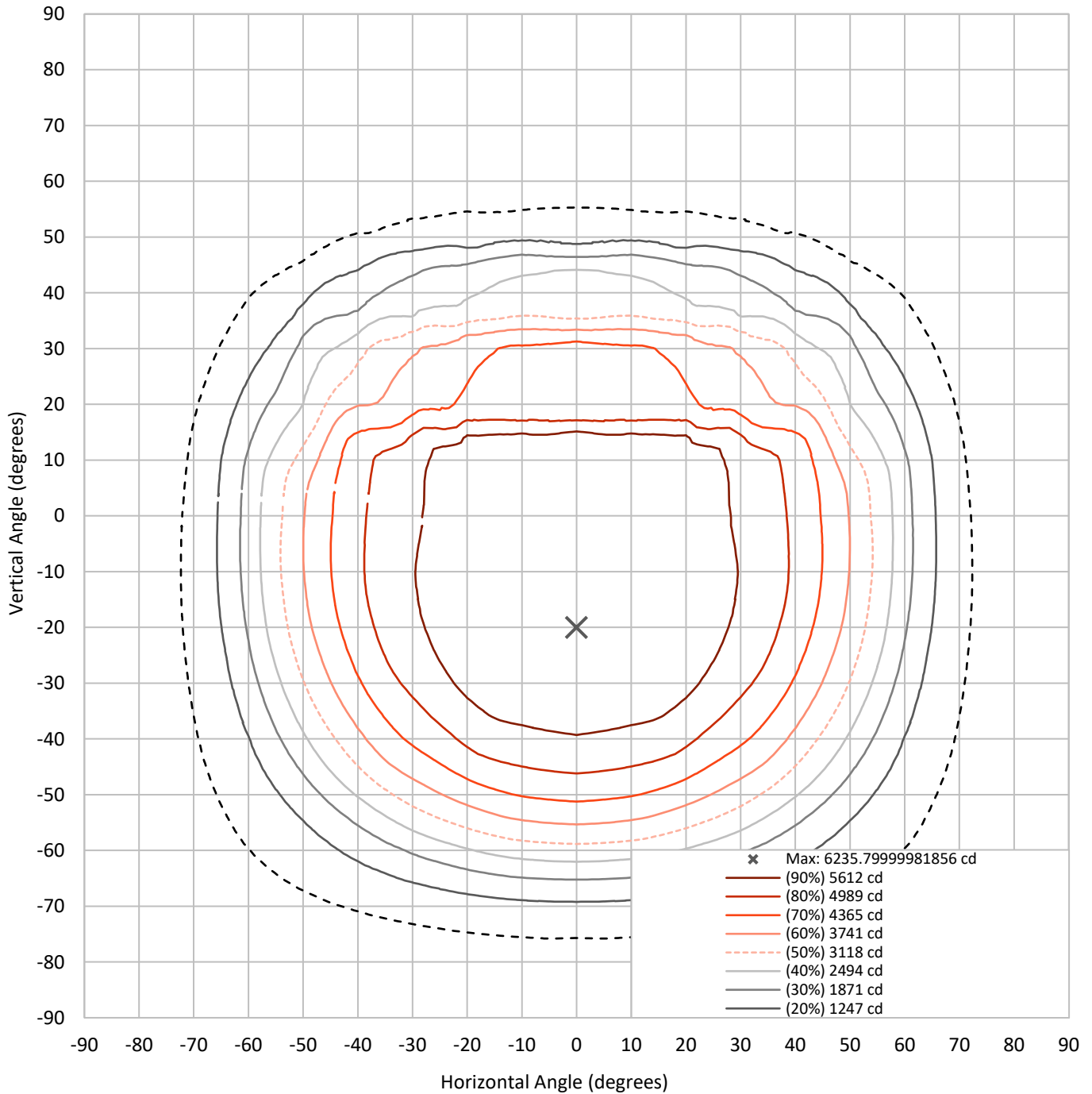
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14621.8 lumens	Max Intensity:	6235.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	86.9 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:	11430.5 lumens	Field Lumens:	14331.4 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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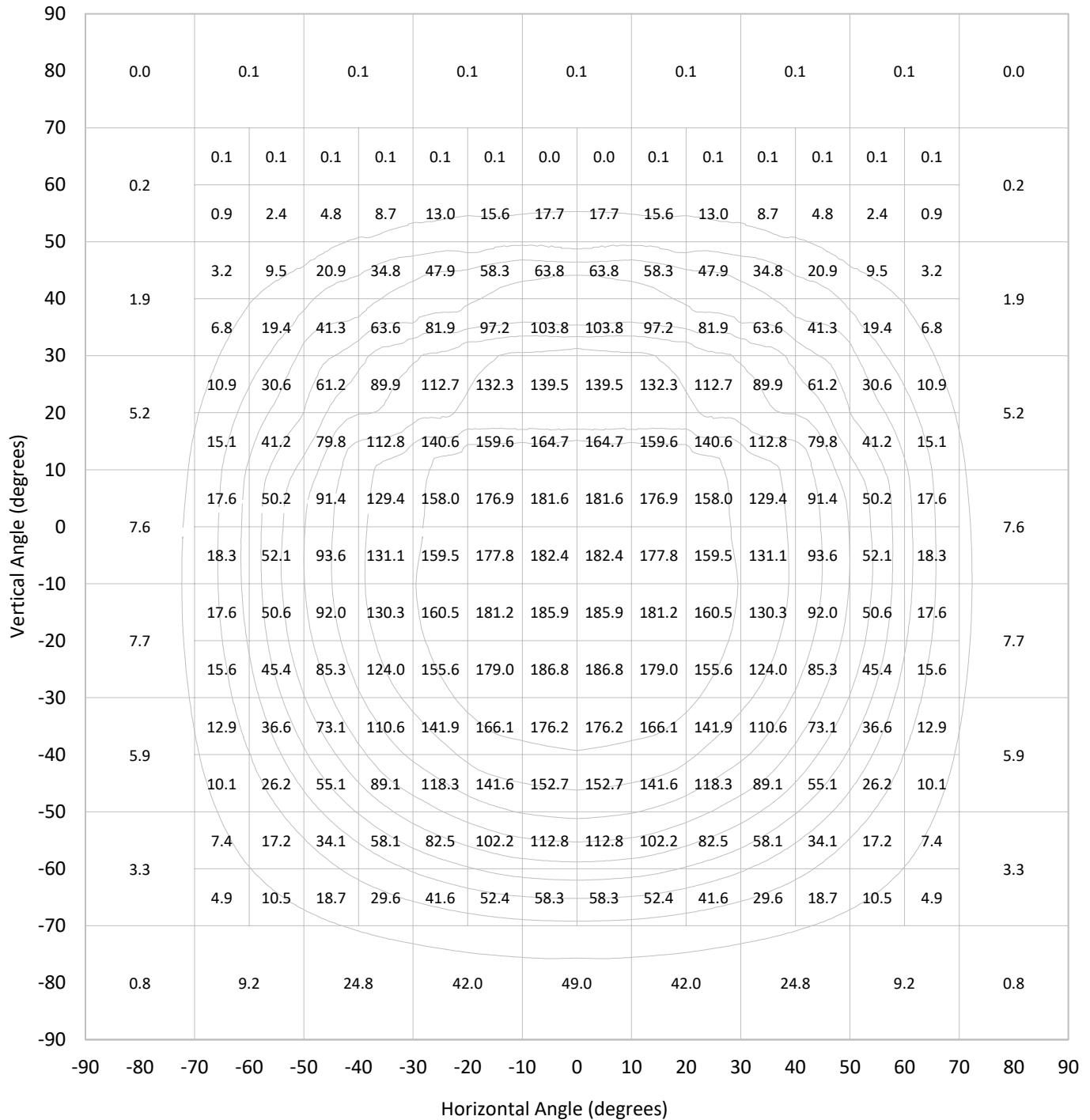
Iso-Candela Plot





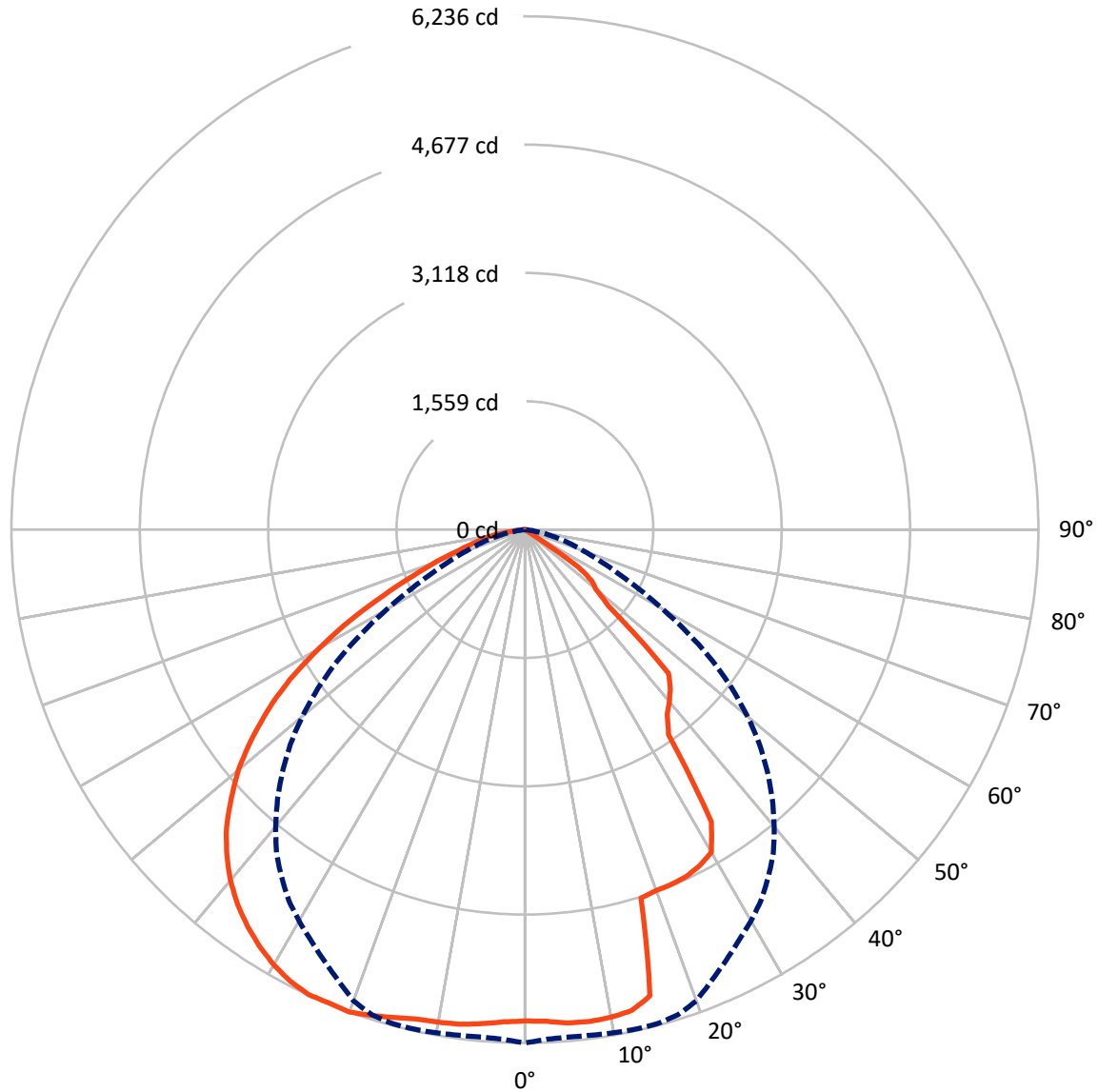
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Lumen Table



REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

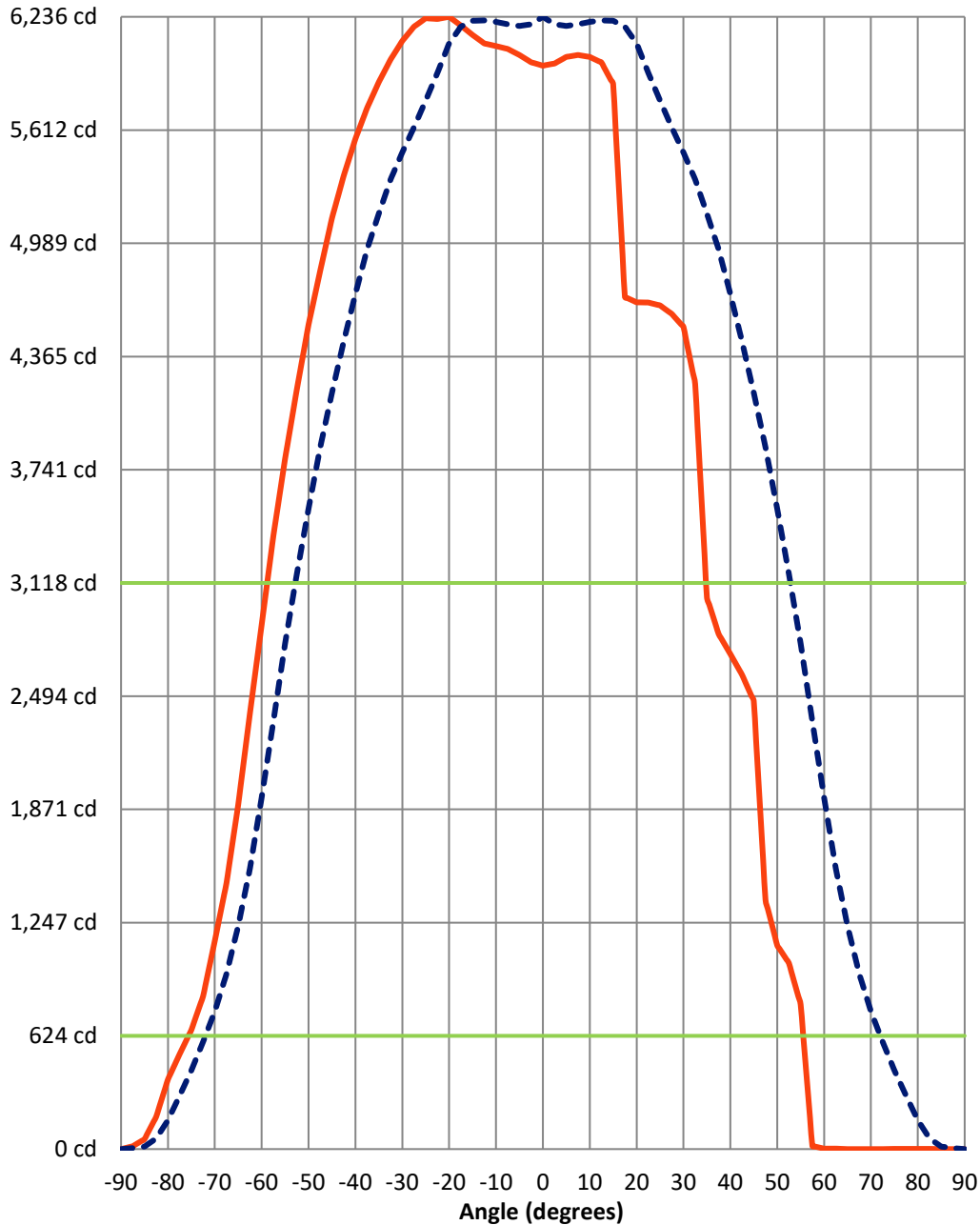


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 11430.5
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 14331.4
 Efficiency: 98.0%

Spill:
 Lumens: 290.4
 Efficiency: 2.0%

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

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Scaled Data Report



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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	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.6
85°	0.0	0.3	0.5	0.7	0.9	1.2	1.4	1.4	1.4	1.3	1.1
82.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.1	2.0	1.7	1.3
80°	0.0	0.6	0.9	1.4	1.9	2.3	2.7	2.4	2.0	1.7	1.3
77.5°	0.0	0.7	1.2	1.7	2.3	2.7	2.7	2.4	2.1	1.7	1.4
75°	0.0	0.9	1.4	2.1	2.7	2.8	2.7	2.4	2.1	1.7	1.4
72.5°	0.0	1.0	1.7	2.4	2.8	2.9	2.8	2.5	2.1	1.8	1.4
70°	0.0	1.2	1.9	2.7	3.0	3.0	2.8	2.5	2.2	1.8	2.1
67.5°	0.0	1.3	2.1	2.9	3.1	3.1	3.2	2.5	2.2	3.0	3.0
65°	0.0	1.4	2.4	3.0	3.2	3.6	3.6	2.6	3.6	4.2	5.3
62.5°	0.0	1.6	2.6	3.1	3.4	4.4	4.2	3.6	4.9	7.3	11.6
60°	0.0	1.7	2.9	3.2	3.5	5.4	5.0	5.0	6.4	18.5	20.2
57.5°	0.0	1.9	3.0	3.4	4.5	6.4	9.1	7.1	18.1	31.4	36.5
55°	0.0	2.0	3.2	3.5	5.6	7.6	14.5	11.5	33.6	48.5	59.1
52.5°	0.0	2.1	3.3	3.7	6.8	9.7	20.9	29.2	50.4	76.1	85.7
50°	0.0	2.3	3.5	3.8	8.0	16.5	28.1	49.3	72.1	106.8	133.9
47.5°	0.0	2.4	3.6	4.2	9.3	23.9	37.8	70.4	103.9	140.6	183.1
45°	0.0	2.5	3.8	5.2	10.6	31.8	57.0	92.4	139.4	183.2	230.8
42.5°	0.0	2.6	4.0	6.2	12.0	40.2	76.7	120.4	175.6	224.8	285.9
40°	0.0	2.7	4.1	7.5	16.1	49.0	96.8	152.2	212.9	265.5	344.9
37.5°	0.0	2.9	4.3	9.1	23.1	58.4	117.3	184.1	252.0	314.4	406.4
35°	0.0	3.0	4.5	10.8	30.1	72.5	138.1	216.0	291.7	374.5	479.2
32.5°	0.0	3.1	4.6	12.8	37.3	88.9	160.6	247.8	331.9	435.0	567.7
30°	0.0	3.2	4.8	14.9	44.5	105.2	186.4	279.8	372.5	495.6	652.7
27.5°	0.0	3.3	5.0	17.1	53.4	121.3	211.7	313.2	417.1	556.1	733.8
25°	0.0	3.4	5.2	19.5	62.5	137.1	236.4	346.3	467.4	622.2	811.2
22.5°	0.0	3.5	5.3	22.0	71.6	153.3	260.4	378.8	516.6	688.3	889.6
20°	0.0	3.5	5.5	24.5	80.6	170.6	283.6	410.6	564.7	750.6	966.0
17.5°	0.0	3.6	5.7	27.1	89.4	187.4	306.5	441.5	611.2	809.1	1040.0
15°	0.0	3.7	5.8	29.7	98.0	203.5	328.5	470.2	655.8	863.7	1111.1
12.5°	0.0	3.8	6.0	32.3	106.4	218.8	349.1	495.8	691.4	914.2	1178.8
10°	0.0	3.8	6.2	34.8	114.4	233.4	368.2	519.4	718.0	944.5	1233.9
7.5°	0.0	3.9	6.3	37.3	121.9	246.9	385.8	540.9	740.6	968.0	1266.1
5°	0.0	3.9	6.4	39.7	128.9	259.4	401.7	560.3	759.5	986.9	1292.2
2.5°	0.0	4.0	6.6	41.9	135.3	270.8	416.1	577.4	774.8	1001.5	1312.3
0°	0.0	4.0	6.7	43.9	141.1	280.9	428.7	592.4	786.8	1011.8	1326.0
-2.5°	0.0	4.2	7.7	46.8	146.5	287.3	435.0	601.1	791.1	1024.8	1335.0
-5°	0.0	4.4	8.8	49.4	151.0	292.3	439.5	607.5	792.6	1033.3	1337.8
-7.5°	0.0	4.7	9.8	51.8	154.8	296.0	442.5	611.5	791.5	1036.8	1334.8
-10°	0.0	4.8	10.7	53.8	157.6	298.3	443.8	613.0	788.1	1034.7	1326.3
-12.5°	0.0	5.0	11.6	55.5	159.5	299.3	443.6	612.0	782.7	1026.4	1311.8
-15°	0.0	5.2	12.5	56.9	160.4	298.8	441.8	608.4	776.5	1010.1	1290.6
-17.5°	0.0	5.3	13.3	57.9	160.3	297.1	438.6	601.1	768.9	989.8	1263.2
-20°	0.0	5.5	14.0	58.5	159.1	293.9	433.6	590.6	758.2	965.6	1229.3



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 CATALOG NUMBER: GFLD-SA4C-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	5.6	14.7	58.7	156.9	289.4	426.3	578.0	744.2	937.6	1189.0
-25°	0.0	5.7	15.3	58.4	153.6	282.5	417.4	563.4	726.9	906.2	1142.4
-27.5°	0.0	5.7	15.8	57.7	149.1	273.8	406.8	546.8	706.3	875.7	1101.1
-30°	0.0	5.8	16.2	56.5	143.5	263.9	394.5	528.3	683.7	849.9	1057.0
-32.5°	0.0	5.8	16.5	54.8	137.0	252.9	380.6	511.2	659.8	820.2	1009.9
-35°	0.0	5.8	16.7	52.7	129.7	240.7	365.6	493.2	634.0	786.4	959.8
-37.5°	0.0	5.7	16.8	50.1	121.7	228.5	349.4	473.3	606.3	748.7	910.4
-40°	0.0	5.7	16.8	46.9	113.0	217.4	332.0	451.5	576.8	713.1	861.7
-42.5°	0.0	5.6	16.7	43.6	106.4	205.5	313.3	427.9	548.4	675.5	809.1
-45°	0.0	5.5	16.5	40.1	101.9	192.8	293.5	403.5	519.2	635.3	754.7
-47.5°	0.0	5.3	16.2	36.2	96.6	179.5	272.6	379.1	488.0	593.2	707.6
-50°	0.0	5.2	15.8	34.9	90.5	165.4	255.1	353.4	453.6	554.6	658.3
-52.5°	0.0	5.0	15.3	34.2	83.6	150.6	237.6	326.6	420.6	514.8	607.7
-55°	0.0	4.8	14.7	33.2	75.9	139.5	219.4	299.5	387.5	474.0	562.8
-57.5°	0.0	4.6	14.0	31.7	67.5	128.1	200.5	278.0	353.2	434.8	516.9
-60°	0.0	4.3	13.2	29.9	58.7	115.7	181.4	254.2	318.9	395.2	471.0
-62.5°	0.0	4.0	12.4	27.8	54.6	102.3	163.9	228.3	287.3	354.6	426.1
-65°	0.0	3.7	11.5	25.4	49.8	88.1	145.1	201.4	253.7	313.8	380.2
-67.5°	0.0	3.4	10.5	22.6	44.5	76.1	125.1	174.7	218.3	271.2	330.5
-70°	0.0	3.1	9.5	19.6	38.7	66.6	104.1	147.4	186.6	226.6	277.7
-72.5°	0.0	2.7	8.5	17.3	32.5	56.4	88.0	119.5	154.4	189.7	225.6
-75°	0.0	2.4	7.4	15.0	25.8	45.5	72.0	96.3	121.5	152.4	183.6
-77.5°	0.0	2.0	6.2	12.7	21.3	34.1	55.1	74.4	94.5	116.2	141.0
-80°	0.0	1.6	5.0	10.2	17.2	26.0	37.6	52.1	67.7	84.5	102.5
-82.5°	0.0	1.2	3.8	7.7	13.0	19.7	27.6	33.4	40.4	52.3	65.1
-85°	0.0	0.8	2.5	5.2	8.7	13.2	18.5	22.4	26.3	30.5	34.8
-87.5°	0.0	0.4	1.3	2.6	4.4	6.6	9.3	11.2	13.2	15.3	17.4
-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: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	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	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.5	1.7	1.7	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	2.1	2.2	1.9	1.5	1.3	1.4	1.5	1.4	1.3	1.3	1.3
67.5°	2.6	2.3	1.9	1.8	1.8	2.0	2.0	1.6	1.3	1.3	1.3
65°	2.7	2.3	3.3	3.8	2.8	2.4	2.0	1.7	1.8	1.9	1.9
62.5°	4.0	5.0	6.4	11.3	8.4	2.5	4.4	5.2	3.8	3.2	3.4
60°	13.0	8.9	26.2	37.6	23.5	8.6	10.5	34.8	30.2	5.5	18.8
57.5°	27.4	37.5	69.1	70.3	48.7	33.6	97.7	112.8	85.4	49.8	76.2
55°	60.2	92.5	114.6	106.1	115.8	175.4	208.4	187.2	157.6	242.5	309.8
52.5°	117.6	150.5	158.0	181.5	259.7	298.4	285.9	305.8	396.6	492.5	513.3
50°	173.6	200.5	221.6	320.3	381.6	385.5	413.9	503.9	624.9	683.6	669.4
47.5°	227.7	255.6	353.5	448.4	475.9	513.6	584.8	758.3	886.5	889.0	874.5
45°	284.9	359.5	484.4	546.4	591.0	663.9	835.6	1075.1	1087.5	1122.2	1336.2
42.5°	346.2	476.8	585.8	650.3	722.4	858.4	1087.6	1244.6	1298.7	1450.9	1623.0
40°	445.3	590.2	685.4	767.7	860.4	1058.9	1309.9	1457.1	1501.0	1632.8	1762.2
37.5°	545.9	684.8	791.5	890.8	1019.3	1287.2	1577.7	1699.0	1721.2	1745.3	2031.9
35°	642.8	781.9	909.6	1039.6	1197.1	1582.8	1836.6	1950.8	1947.3	2109.9	2410.0
32.5°	733.4	881.1	1031.9	1205.7	1465.7	1860.8	2114.7	2183.1	2286.7	2523.4	2933.1
30°	823.9	991.8	1164.9	1371.9	1701.4	2043.8	2333.7	2443.6	2621.2	2891.4	3189.5
27.5°	917.1	1105.3	1314.6	1557.2	1887.3	2202.1	2449.7	2712.4	2884.9	3127.1	3339.2
25°	1009.8	1225.4	1462.4	1719.2	2020.3	2313.7	2569.8	2873.1	3058.3	3253.6	3451.4
22.5°	1107.1	1347.2	1614.9	1847.6	2132.4	2408.5	2713.4	3042.4	3283.2	3407.3	3540.1
20°	1208.9	1479.0	1764.5	2022.2	2243.0	2496.6	2857.6	3257.3	3568.2	3707.8	3726.1
17.5°	1309.1	1606.7	1913.6	2192.7	2430.8	2656.5	3008.9	3514.8	3901.5	4031.2	4089.0
15°	1406.9	1729.5	2062.0	2358.5	2619.9	2896.0	3272.3	3786.7	4228.8	4372.4	4463.2
12.5°	1501.3	1846.6	2207.9	2518.9	2809.3	3118.9	3511.5	3982.4	4385.8	4663.7	4830.3
10°	1591.2	1957.1	2349.5	2672.9	2996.4	3325.6	3709.3	4128.1	4456.5	4724.5	4961.1
7.5°	1636.5	2029.4	2471.2	2819.4	3178.8	3516.6	3871.4	4230.8	4507.5	4770.3	4999.0
5°	1667.4	2059.1	2509.2	2870.4	3275.7	3644.1	3988.5	4298.3	4540.7	4801.2	5024.6
2.5°	1689.4	2078.3	2534.9	2898.4	3312.1	3683.2	4022.2	4320.9	4568.1	4823.3	5052.1
0°	1702.7	2087.5	2548.1	2915.6	3334.9	3709.0	4041.8	4329.4	4586.3	4834.0	5080.3
-2.5°	1710.2	2115.4	2556.8	2959.7	3356.9	3731.2	4069.3	4350.0	4618.4	4854.1	5101.0
-5°	1709.3	2132.1	2554.5	2989.4	3367.5	3739.9	4083.0	4359.3	4635.9	4869.2	5109.5
-7.5°	1700.0	2136.0	2543.0	2998.7	3367.9	3736.9	4077.0	4363.8	4635.6	4883.0	5110.3
-10°	1683.5	2120.9	2532.4	2974.6	3355.0	3721.8	4058.5	4353.9	4624.8	4880.2	5105.8
-12.5°	1664.0	2089.7	2510.2	2940.0	3328.7	3693.5	4030.6	4329.0	4604.5	4859.3	5095.6
-15°	1634.7	2048.3	2473.7	2896.0	3288.8	3652.3	3994.3	4288.3	4573.3	4822.9	5065.4
-17.5°	1595.3	1997.0	2422.4	2843.8	3234.9	3598.6	3947.8	4234.6	4518.2	4776.1	5010.2
-20°	1545.7	1936.2	2355.8	2784.5	3166.6	3526.4	3864.7	4165.1	4446.9	4709.1	4955.2

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4C-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°	1485.8	1866.4	2275.5	2704.4	3081.4	3437.1	3771.4	4076.5	4368.5	4622.2	4884.4
-25°	1425.7	1792.5	2186.7	2593.6	2982.3	3336.5	3671.8	3969.1	4267.5	4531.4	4780.4
-27.5°	1368.2	1706.8	2083.8	2471.5	2870.1	3222.6	3554.9	3852.4	4142.1	4430.5	4670.3
-30°	1303.7	1607.6	1970.9	2341.2	2729.8	3088.7	3423.4	3732.2	4007.8	4292.7	4550.1
-32.5°	1232.4	1502.5	1851.6	2207.9	2574.3	2941.1	3272.8	3579.4	3866.2	4135.6	4405.8
-35°	1162.8	1417.5	1725.2	2064.7	2409.5	2769.4	3101.3	3405.0	3702.6	3969.5	4227.8
-37.5°	1100.1	1325.6	1590.9	1915.2	2244.7	2585.1	2922.7	3216.7	3499.9	3793.3	4045.1
-40°	1032.4	1226.8	1474.6	1761.2	2071.8	2395.5	2718.7	3022.9	3289.1	3579.0	3856.0
-42.5°	961.4	1146.4	1359.8	1598.2	1891.4	2196.6	2508.6	2806.1	3082.6	3356.1	3630.6
-45°	899.2	1061.3	1243.0	1460.9	1699.6	1986.7	2282.0	2578.6	2843.9	3104.6	3375.6
-47.5°	833.1	975.7	1143.8	1317.8	1525.3	1765.3	2043.1	2316.6	2588.2	2836.3	3076.1
-50°	767.2	898.7	1036.8	1193.4	1364.6	1559.2	1790.0	2044.2	2292.3	2547.0	2784.5
-52.5°	710.4	817.6	942.5	1073.2	1219.7	1380.7	1565.6	1774.4	2000.1	2216.2	2453.2
-55°	651.5	748.2	848.9	964.0	1086.0	1221.8	1373.3	1548.9	1721.1	1921.0	2114.5
-57.5°	597.8	679.3	765.2	860.3	966.2	1074.9	1207.4	1343.9	1500.2	1655.5	1808.8
-60°	547.2	613.8	686.7	767.1	852.3	949.0	1047.9	1165.2	1291.0	1415.0	1545.0
-62.5°	496.1	552.2	611.6	678.4	752.6	825.8	910.2	1000.5	1093.1	1198.2	1300.7
-65°	443.7	489.0	539.3	594.7	654.0	716.3	781.1	848.0	926.8	1003.8	1078.3
-67.5°	388.0	426.7	467.4	511.1	560.8	609.7	658.5	715.0	773.0	830.0	889.1
-70°	326.2	362.7	396.7	432.0	469.0	507.3	549.0	590.4	631.3	674.0	721.5
-72.5°	263.3	296.9	326.8	353.0	383.3	415.1	445.6	474.7	505.5	538.0	570.1
-75°	210.0	232.2	258.9	283.3	307.4	329.8	349.9	374.6	400.3	423.9	443.3
-77.5°	163.9	184.1	202.3	218.6	237.9	260.3	279.9	296.7	313.1	330.9	349.8
-80°	119.2	136.0	152.6	167.7	178.8	191.5	206.5	223.7	238.6	250.7	261.7
-82.5°	77.0	89.1	101.4	114.0	119.1	122.6	125.9	131.9	141.1	150.3	159.0
-85°	38.4	41.9	49.4	57.2	59.8	61.7	63.0	63.7	66.8	69.7	72.3
-87.5°	19.2	21.0	22.7	24.4	23.5	22.3	20.7	18.8	18.4	17.9	17.2
-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: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	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°	1.9	1.8	1.9	1.9	1.6	1.6	1.6	1.6	1.4	1.1	0.8
62.5°	3.4	3.8	3.0	3.0	2.9	2.8	2.7	2.6	2.4	2.3	2.4
60°	20.9	12.3	7.2	8.4	7.6	5.0	6.4	7.5	7.6	6.9	6.1
57.5°	115.7	86.4	63.9	152.7	153.2	73.1	88.1	138.5	114.1	37.5	34.8
55°	321.9	385.0	506.8	481.4	489.2	562.6	614.4	543.9	533.2	568.2	656.3
52.5°	578.3	638.5	679.5	717.8	764.4	814.5	866.1	898.9	929.6	962.3	981.8
50°	738.5	823.3	881.6	860.1	980.8	1030.1	980.0	1024.8	1079.4	1094.4	1101.4
47.5°	1090.5	1214.8	1239.5	1319.7	1391.6	1390.1	1328.9	1332.5	1495.1	1638.6	1709.1
45°	1567.2	1571.5	1649.7	1791.1	1892.2	1860.4	1945.7	2139.7	2204.3	2266.7	2317.9
42.5°	1752.9	1829.9	1954.7	2079.7	2155.1	2220.5	2283.7	2355.0	2438.8	2506.8	2561.1
40°	1932.8	1994.8	2122.5	2223.3	2285.7	2346.8	2420.4	2499.4	2576.1	2635.8	2676.6
37.5°	2209.5	2257.6	2288.7	2382.3	2500.3	2445.8	2585.5	2685.7	2731.4	2792.1	2797.6
35°	2628.3	2596.3	2554.9	2927.1	2949.4	2823.7	2954.3	3109.5	3027.7	3198.1	3289.8
32.5°	2999.5	2994.8	3319.6	3515.3	3402.7	3494.6	3795.7	3782.4	3983.1	4076.2	4049.6
30°	3349.3	3468.6	3656.5	3802.2	3821.7	3966.6	4100.4	4217.5	4338.7	4447.3	4454.7
27.5°	3526.8	3682.5	3810.1	3894.4	3988.5	4110.4	4231.8	4363.7	4466.7	4534.9	4551.5
25°	3634.2	3793.3	3889.8	3980.6	4084.5	4189.7	4325.6	4469.2	4552.0	4594.0	4607.4
22.5°	3728.9	3871.8	3975.6	4049.3	4161.1	4274.3	4400.9	4522.6	4612.5	4630.8	4637.5
20°	3820.1	3957.4	4130.8	4239.2	4233.8	4361.3	4483.4	4580.1	4655.1	4654.6	4656.4
17.5°	4083.7	4132.7	4447.4	4686.3	4568.0	4505.6	4841.3	4847.7	4867.6	4828.0	4742.1
15°	4474.1	4563.4	4949.9	5208.9	5127.4	5123.1	5608.0	5487.7	5591.1	5564.1	5680.6
12.5°	4887.6	4993.3	5282.2	5536.5	5657.7	5687.5	5849.4	6001.1	6032.3	6020.0	5997.1
10°	5169.3	5319.8	5435.9	5590.3	5712.5	5837.2	5931.0	6039.9	6075.7	6055.0	6025.8
7.5°	5206.0	5354.8	5491.0	5626.5	5742.9	5843.4	5940.7	6029.4	6065.7	6053.7	6033.7
5°	5229.3	5364.1	5496.2	5633.6	5744.9	5838.0	5935.0	6024.9	6046.3	6031.9	6012.3
2.5°	5243.7	5368.5	5495.8	5632.6	5733.7	5822.3	5920.5	6016.4	6016.2	6009.9	5998.5
0°	5250.7	5375.8	5523.6	5647.4	5760.6	5844.4	5941.6	6034.8	6028.2	6010.8	5990.9
-2.5°	5265.6	5392.4	5543.3	5645.9	5773.4	5850.2	5950.7	6031.4	6028.3	6019.8	6009.9
-5°	5279.0	5421.5	5562.7	5670.6	5798.4	5898.9	5998.7	6061.8	6065.2	6053.4	6036.7
-7.5°	5287.1	5445.2	5579.8	5688.2	5812.2	5929.0	6030.3	6096.5	6098.0	6082.2	6062.3
-10°	5284.4	5451.3	5589.8	5701.8	5828.8	5944.2	6050.1	6134.1	6131.3	6116.3	6099.4
-12.5°	5274.4	5441.1	5583.4	5695.7	5839.9	5958.7	6077.8	6161.3	6165.8	6154.5	6136.1
-15°	5252.5	5424.6	5563.0	5685.7	5827.0	5965.8	6088.2	6180.4	6196.8	6187.6	6173.1
-17.5°	5209.1	5390.7	5537.5	5669.7	5805.3	5953.3	6092.5	6193.3	6215.7	6212.1	6200.1
-20°	5152.1	5339.6	5488.6	5627.1	5774.7	5927.2	6089.1	6181.2	6213.9	6215.9	6207.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°	5088.2	5271.7	5429.8	5566.0	5726.0	5880.3	6027.0	6134.8	6189.6	6199.8	6200.5
-25°	5011.6	5200.1	5357.1	5502.2	5651.1	5810.4	5958.6	6079.0	6134.5	6161.1	6169.3
-27.5°	4903.2	5098.1	5252.6	5405.9	5557.4	5722.0	5877.8	6008.7	6053.8	6090.3	6105.0
-30°	4776.3	4969.0	5126.6	5266.7	5440.0	5607.8	5768.6	5882.8	5950.9	5992.7	6015.5
-32.5°	4630.4	4824.9	4990.3	5136.6	5301.3	5469.1	5620.4	5740.8	5834.8	5882.9	5907.3
-35°	4472.1	4670.7	4843.8	4998.0	5153.1	5313.0	5469.7	5595.8	5702.8	5744.1	5774.7
-37.5°	4281.2	4500.3	4677.9	4836.8	4984.2	5134.5	5297.7	5441.8	5545.8	5585.9	5618.1
-40°	4085.5	4297.3	4476.3	4645.9	4791.6	4955.8	5113.0	5264.0	5354.1	5400.9	5437.4
-42.5°	3878.9	4070.2	4240.4	4405.2	4567.4	4736.4	4893.5	5050.4	5128.4	5184.8	5229.5
-45°	3640.4	3818.4	3983.9	4138.0	4305.2	4471.4	4628.6	4767.2	4860.0	4933.5	4990.6
-47.5°	3322.4	3539.2	3705.4	3852.0	4017.8	4178.1	4330.4	4460.8	4562.6	4648.5	4714.8
-50°	2999.4	3207.6	3394.9	3559.6	3713.5	3861.7	4006.7	4134.2	4241.9	4335.0	4402.3
-52.5°	2681.4	2876.3	3062.3	3232.3	3380.2	3520.1	3652.8	3781.1	3894.7	3994.2	4059.2
-55°	2322.0	2523.9	2707.8	2866.4	3014.2	3152.5	3283.5	3405.2	3517.1	3618.4	3680.7
-57.5°	1984.9	2162.0	2333.1	2479.5	2619.0	2750.7	2874.9	2991.4	3099.0	3194.5	3254.5
-60°	1675.0	1804.2	1951.4	2086.5	2210.2	2322.3	2438.2	2546.8	2645.7	2729.5	2785.5
-62.5°	1401.1	1508.1	1614.4	1717.2	1817.4	1918.2	2015.2	2105.3	2187.9	2256.6	2305.7
-65°	1157.0	1243.0	1319.9	1392.8	1462.2	1541.7	1615.4	1684.8	1749.0	1801.7	1839.0
-67.5°	952.7	1013.1	1066.3	1116.3	1171.0	1227.2	1279.8	1325.7	1364.9	1396.2	1420.8
-70°	768.3	812.8	852.9	892.7	932.7	969.2	1004.0	1037.7	1069.8	1095.9	1115.5
-72.5°	601.6	632.0	659.3	690.1	718.8	746.5	770.6	790.1	805.2	819.9	832.7
-75°	458.7	481.5	512.3	538.3	559.8	578.8	596.3	611.8	625.5	637.5	648.1
-77.5°	368.9	388.3	407.9	426.9	445.3	458.9	471.6	484.2	496.7	507.4	516.8
-80°	273.5	287.9	303.0	318.2	333.4	341.0	347.0	352.5	357.5	363.9	369.8
-82.5°	167.2	175.4	183.8	192.3	200.8	203.0	203.7	203.5	202.4	200.1	196.5
-85°	74.4	74.9	74.6	73.8	72.3	69.4	65.8	61.6	56.9	56.2	55.4
-87.5°	16.4	16.0	15.6	15.1	14.5	14.5	14.4	14.3	14.1	14.6	15.1
-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: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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	0.3
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°	2.5	2.6	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.4	2.6
60°	4.8	3.2	2.7	2.7	2.7	3.2	4.8	6.1	6.9	7.6	7.5
57.5°	29.4	22.0	18.7	17.3	18.7	22.0	29.4	34.8	37.5	114.1	138.5
55°	719.5	756.1	783.5	796.1	783.5	756.1	719.5	656.3	568.2	533.2	543.9
52.5°	998.9	1014.9	1024.1	1023.8	1024.1	1014.9	998.9	981.8	962.3	929.6	898.9
50°	1113.4	1121.2	1124.0	1122.3	1124.0	1121.2	1113.4	1101.4	1094.4	1079.4	1024.8
47.5°	1644.7	1502.3	1397.7	1372.6	1397.7	1502.3	1644.7	1709.1	1638.6	1495.1	1332.5
45°	2342.4	2396.4	2450.2	2466.9	2450.2	2396.4	2342.4	2317.9	2266.7	2204.3	2139.7
42.5°	2584.1	2601.6	2611.6	2612.0	2611.6	2601.6	2584.1	2561.1	2506.8	2438.8	2355.0
40°	2699.4	2716.0	2725.7	2726.5	2725.7	2716.0	2699.4	2676.6	2635.8	2576.1	2499.4
37.5°	2804.2	2818.3	2827.5	2837.0	2827.5	2818.3	2804.2	2797.6	2792.1	2731.4	2685.7
35°	3277.4	3170.2	3016.0	3039.4	3016.0	3170.2	3277.4	3289.8	3198.1	3027.7	3109.5
32.5°	4091.1	4136.2	4164.4	4212.3	4164.4	4136.2	4091.1	4049.6	4076.2	3983.1	3782.4
30°	4466.6	4481.5	4504.1	4527.8	4504.1	4481.5	4466.6	4454.7	4447.3	4338.7	4217.5
27.5°	4560.3	4575.7	4589.4	4599.7	4589.4	4575.7	4560.3	4551.5	4534.9	4466.7	4363.7
25°	4609.4	4618.9	4633.5	4646.3	4633.5	4618.9	4609.4	4607.4	4594.0	4552.0	4469.2
22.5°	4633.7	4634.7	4646.1	4662.2	4646.1	4634.7	4633.7	4637.5	4630.8	4612.5	4522.6
20°	4650.4	4641.4	4653.1	4663.6	4653.1	4641.4	4650.4	4656.4	4654.6	4655.1	4580.1
17.5°	4863.2	4741.8	4691.9	4692.9	4691.9	4741.8	4863.2	4742.1	4828.0	4867.6	4847.7
15°	5549.8	5595.4	5770.1	5864.4	5770.1	5595.4	5549.8	5680.6	5564.1	5591.1	5487.7
12.5°	5992.9	5976.7	5956.0	5984.2	5956.0	5976.7	5992.9	5997.1	6020.0	6032.3	6001.1
10°	6013.4	6011.6	5974.6	6014.8	5974.6	6011.6	6013.4	6025.8	6055.0	6075.7	6039.9
7.5°	6000.8	6002.0	5986.2	6025.5	5986.2	6002.0	6000.8	6033.7	6053.7	6065.7	6029.4
5°	6009.2	5982.1	5992.4	6014.8	5992.4	5982.1	6009.2	6012.3	6031.9	6046.3	6024.9
2.5°	5985.9	5983.1	5963.2	5978.9	5963.2	5983.1	5985.9	5998.5	6009.9	6016.2	6016.4
0°	5968.2	5953.6	5953.6	5966.9	5953.6	5953.6	5968.2	5990.9	6010.8	6028.2	6034.8
-2.5°	5999.7	5996.6	5994.7	5985.6	5994.7	5996.6	5999.7	6009.9	6019.8	6028.3	6031.4
-5°	6025.6	6017.7	5995.9	6025.5	5995.9	6017.7	6025.6	6036.7	6053.4	6065.2	6061.8
-7.5°	6053.5	6033.3	6012.5	6058.8	6012.5	6033.3	6053.5	6062.3	6082.2	6098.0	6096.5
-10°	6078.9	6049.7	6029.5	6074.7	6029.5	6049.7	6078.9	6099.4	6116.3	6131.3	6134.1
-12.5°	6112.5	6078.4	6064.9	6089.4	6064.9	6078.4	6112.5	6136.1	6154.5	6165.8	6161.3
-15°	6148.3	6124.7	6121.5	6136.0	6121.5	6124.7	6148.3	6173.1	6187.6	6196.8	6180.4
-17.5°	6179.9	6163.2	6171.4	6187.9	6171.4	6163.2	6179.9	6200.1	6212.1	6215.7	6193.3
-20°	6194.9	6185.6	6194.8	6235.8	6194.8	6185.6	6194.9	6207.7	6215.9	6213.9	6181.2



REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	6193.6	6194.2	6210.4	6223.9	6210.4	6194.2	6193.6	6200.5	6199.8	6189.6	6134.8
-25°	6169.9	6182.4	6201.1	6227.8	6201.1	6182.4	6169.9	6169.3	6161.1	6134.5	6079.0
-27.5°	6113.0	6133.6	6153.2	6181.3	6153.2	6133.6	6113.0	6105.0	6090.3	6053.8	6008.7
-30°	6030.6	6055.2	6072.6	6102.7	6072.6	6055.2	6030.6	6015.5	5992.7	5950.9	5882.8
-32.5°	5930.3	5958.1	5978.7	6000.2	5978.7	5958.1	5930.3	5907.3	5882.9	5834.8	5740.8
-35°	5804.9	5834.9	5856.8	5876.4	5856.8	5834.9	5804.9	5774.7	5744.1	5702.8	5595.8
-37.5°	5654.3	5686.6	5711.5	5733.9	5711.5	5686.6	5654.3	5618.1	5585.9	5545.8	5441.8
-40°	5478.8	5511.9	5538.5	5563.5	5538.5	5511.9	5478.8	5437.4	5400.9	5354.1	5264.0
-42.5°	5273.6	5307.1	5334.5	5359.8	5334.5	5307.1	5273.6	5229.5	5184.8	5128.4	5050.4
-45°	5036.6	5071.1	5100.2	5126.9	5100.2	5071.1	5036.6	4990.6	4933.5	4860.0	4767.2
-47.5°	4763.7	4800.6	4825.5	4838.0	4825.5	4800.6	4763.7	4714.8	4648.5	4562.6	4460.8
-50°	4451.0	4487.8	4517.7	4539.8	4517.7	4487.8	4451.0	4402.3	4335.0	4241.9	4134.2
-52.5°	4106.7	4141.7	4167.4	4183.0	4167.4	4141.7	4106.7	4059.2	3994.2	3894.7	3781.1
-55°	3729.7	3766.4	3790.8	3802.2	3790.8	3766.4	3729.7	3680.7	3618.4	3517.1	3405.2
-57.5°	3302.1	3337.0	3362.9	3377.5	3362.9	3337.0	3302.1	3254.5	3194.5	3099.0	2991.4
-60°	2829.1	2860.3	2879.9	2887.6	2879.9	2860.3	2829.1	2785.5	2729.5	2645.7	2546.8
-62.5°	2345.2	2374.8	2393.2	2400.3	2393.2	2374.8	2345.2	2305.7	2256.6	2187.9	2105.3
-65°	1866.9	1885.4	1895.6	1897.1	1895.6	1885.4	1866.9	1839.0	1801.7	1749.0	1684.8
-67.5°	1440.3	1454.4	1462.9	1465.8	1462.9	1454.4	1440.3	1420.8	1396.2	1364.9	1325.7
-70°	1130.1	1139.8	1145.3	1146.3	1145.3	1139.8	1130.1	1115.5	1095.9	1069.8	1037.7
-72.5°	842.6	849.5	847.1	841.4	847.1	849.5	842.6	832.7	819.9	805.2	790.1
-75°	657.3	664.9	661.7	656.3	661.7	664.9	657.3	648.1	637.5	625.5	611.8
-77.5°	525.1	532.1	528.6	523.2	528.6	532.1	525.1	516.8	507.4	496.7	484.2
-80°	375.0	379.1	382.0	383.4	382.0	379.1	375.0	369.8	363.9	357.5	352.5
-82.5°	191.9	186.3	182.7	178.4	182.7	186.3	191.9	196.5	200.1	202.4	203.5
-85°	54.3	53.0	53.9	54.6	53.9	53.0	54.3	55.4	56.2	56.9	61.6
-87.5°	15.5	15.9	16.0	16.0	16.0	15.9	15.5	15.1	14.6	14.1	14.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	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	1.6	1.6	1.9	1.9	1.8	1.9	1.9	1.9	1.8	1.7
62.5°	2.7	2.8	2.9	3.0	3.0	3.8	3.4	3.4	3.2	3.8	5.2
60°	6.4	5.0	7.6	8.4	7.2	12.3	20.9	18.8	5.5	30.2	34.8
57.5°	88.1	73.1	153.2	152.7	63.9	86.4	115.7	76.2	49.8	85.4	112.8
55°	614.4	562.6	489.2	481.4	506.8	385.0	321.9	309.8	242.5	157.6	187.2
52.5°	866.1	814.5	764.4	717.8	679.5	638.5	578.3	513.3	492.5	396.6	305.8
50°	980.0	1030.1	980.8	860.1	881.6	823.3	738.5	669.4	683.6	624.9	503.9
47.5°	1328.9	1390.1	1391.6	1319.7	1239.5	1214.8	1090.5	874.5	889.0	886.5	758.3
45°	1945.7	1860.4	1892.2	1791.1	1649.7	1571.5	1567.2	1336.2	1122.2	1087.5	1075.1
42.5°	2283.7	2220.5	2155.1	2079.7	1954.7	1829.9	1752.9	1623.0	1450.9	1298.7	1244.6
40°	2420.4	2346.8	2285.7	2223.3	2122.5	1994.8	1932.8	1762.2	1632.8	1501.0	1457.1
37.5°	2585.5	2445.8	2500.3	2382.3	2288.7	2257.6	2209.5	2031.9	1745.3	1721.2	1699.0
35°	2954.3	2823.7	2949.4	2927.1	2554.9	2596.3	2628.3	2410.0	2109.9	1947.3	1950.8
32.5°	3795.7	3494.6	3402.7	3515.3	3319.6	2994.8	2999.5	2933.1	2523.4	2286.7	2183.1
30°	4100.4	3966.6	3821.7	3802.2	3656.5	3468.6	3349.3	3189.5	2891.4	2621.2	2443.6
27.5°	4231.8	4110.4	3988.5	3894.4	3810.1	3682.5	3526.8	3339.2	3127.1	2884.9	2712.4
25°	4325.6	4189.7	4084.5	3980.6	3889.8	3793.3	3634.2	3451.4	3253.6	3058.3	2873.1
22.5°	4400.9	4274.3	4161.1	4049.3	3975.6	3871.8	3728.9	3540.1	3407.3	3283.2	3042.4
20°	4483.4	4361.3	4233.8	4239.2	4130.8	3957.4	3820.1	3726.1	3707.8	3568.2	3257.3
17.5°	4841.3	4505.6	4568.0	4686.3	4447.4	4132.7	4083.7	4089.0	4031.2	3901.5	3514.8
15°	5608.0	5123.1	5127.4	5208.9	4949.9	4563.4	4474.1	4463.2	4372.4	4228.8	3786.7
12.5°	5849.4	5687.5	5657.7	5536.5	5282.2	4993.3	4887.6	4830.3	4663.7	4385.8	3982.4
10°	5931.0	5837.2	5712.5	5590.3	5435.9	5319.8	5169.3	4961.1	4724.5	4456.5	4128.1
7.5°	5940.7	5843.4	5742.9	5626.5	5491.0	5354.8	5206.0	4999.0	4770.3	4507.5	4230.8
5°	5935.0	5838.0	5744.9	5633.6	5496.2	5364.1	5229.3	5024.6	4801.2	4540.7	4298.3
2.5°	5920.5	5822.3	5733.7	5632.6	5495.8	5368.5	5243.7	5052.1	4823.3	4568.1	4320.9
0°	5941.6	5844.4	5760.6	5647.4	5523.6	5375.8	5250.7	5080.3	4834.0	4586.3	4329.4
-2.5°	5950.7	5850.2	5773.4	5645.9	5543.3	5392.4	5265.6	5101.0	4854.1	4618.4	4350.0
-5°	5998.7	5898.9	5798.4	5670.6	5562.7	5421.5	5279.0	5109.5	4869.2	4635.9	4359.3
-7.5°	6030.3	5929.0	5812.2	5688.2	5579.8	5445.2	5287.1	5110.3	4883.0	4635.6	4363.8
-10°	6050.1	5944.2	5828.8	5701.8	5589.8	5451.3	5284.4	5105.8	4880.2	4624.8	4353.9
-12.5°	6077.8	5958.7	5839.9	5695.7	5583.4	5441.1	5274.4	5095.6	4859.3	4604.5	4329.0
-15°	6088.2	5965.8	5827.0	5685.7	5563.0	5424.6	5252.5	5065.4	4822.9	4573.3	4288.3
-17.5°	6092.5	5953.3	5805.3	5669.7	5537.5	5390.7	5209.1	5010.2	4776.1	4518.2	4234.6
-20°	6089.1	5927.2	5774.7	5627.1	5488.6	5339.6	5152.1	4955.2	4709.1	4446.9	4165.1



REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	6027.0	5880.3	5726.0	5566.0	5429.8	5271.7	5088.2	4884.4	4622.2	4368.5	4076.5
-25°	5958.6	5810.4	5651.1	5502.2	5357.1	5200.1	5011.6	4780.4	4531.4	4267.5	3969.1
-27.5°	5877.8	5722.0	5557.4	5405.9	5252.6	5098.1	4903.2	4670.3	4430.5	4142.1	3852.4
-30°	5768.6	5607.8	5440.0	5266.7	5126.6	4969.0	4776.3	4550.1	4292.7	4007.8	3732.2
-32.5°	5620.4	5469.1	5301.3	5136.6	4990.3	4824.9	4630.4	4405.8	4135.6	3866.2	3579.4
-35°	5469.7	5313.0	5153.1	4998.0	4843.8	4670.7	4472.1	4227.8	3969.5	3702.6	3405.0
-37.5°	5297.7	5134.5	4984.2	4836.8	4677.9	4500.3	4281.2	4045.1	3793.3	3499.9	3216.7
-40°	5113.0	4955.8	4791.6	4645.9	4476.3	4297.3	4085.5	3856.0	3579.0	3289.1	3022.9
-42.5°	4893.5	4736.4	4567.4	4405.2	4240.4	4070.2	3878.9	3630.6	3356.1	3082.6	2806.1
-45°	4628.6	4471.4	4305.2	4138.0	3983.9	3818.4	3640.4	3375.6	3104.6	2843.9	2578.6
-47.5°	4330.4	4178.1	4017.8	3852.0	3705.4	3539.2	3322.4	3076.1	2836.3	2588.2	2316.6
-50°	4006.7	3861.7	3713.5	3559.6	3394.9	3207.6	2999.4	2784.5	2547.0	2292.3	2044.2
-52.5°	3652.8	3520.1	3380.2	3232.3	3062.3	2876.3	2681.4	2453.2	2216.2	2000.1	1774.4
-55°	3283.5	3152.5	3014.2	2866.4	2707.8	2523.9	2322.0	2114.5	1921.0	1721.1	1548.9
-57.5°	2874.9	2750.7	2619.0	2479.5	2333.1	2162.0	1984.9	1808.8	1655.5	1500.2	1343.9
-60°	2438.2	2322.3	2210.2	2086.5	1951.4	1804.2	1675.0	1545.0	1415.0	1291.0	1165.2
-62.5°	2015.2	1918.2	1817.4	1717.2	1614.4	1508.1	1401.1	1300.7	1198.2	1093.1	1000.5
-65°	1615.4	1541.7	1462.2	1392.8	1319.9	1243.0	1157.0	1078.3	1003.8	926.8	848.0
-67.5°	1279.8	1227.2	1171.0	1116.3	1066.3	1013.1	952.7	889.1	830.0	773.0	715.0
-70°	1004.0	969.2	932.7	892.7	852.9	812.8	768.3	721.5	674.0	631.3	590.4
-72.5°	770.6	746.5	718.8	690.1	659.3	632.0	601.6	570.1	538.0	505.5	474.7
-75°	596.3	578.8	559.8	538.3	512.3	481.5	458.7	443.3	423.9	400.3	374.6
-77.5°	471.6	458.9	445.3	426.9	407.9	388.3	368.9	349.8	330.9	313.1	296.7
-80°	347.0	341.0	333.4	318.2	303.0	287.9	273.5	261.7	250.7	238.6	223.7
-82.5°	203.7	203.0	200.8	192.3	183.8	175.4	167.2	159.0	150.3	141.1	131.9
-85°	65.8	69.4	72.3	73.8	74.6	74.9	74.4	72.3	69.7	66.8	63.7
-87.5°	14.4	14.5	14.5	15.1	15.6	16.0	16.4	17.2	17.9	18.4	18.8
-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: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	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	1.3	1.4	1.4
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	2.0	2.1
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	2.0	2.4
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.7	2.1	2.4
75°	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.4	1.7	2.1	2.4
72.5°	1.3	1.3	1.3	1.5	1.7	1.7	1.5	1.4	1.8	2.1	2.5
70°	1.5	1.4	1.3	1.5	1.9	2.2	2.1	2.1	1.8	2.2	2.5
67.5°	2.0	2.0	1.8	1.8	1.9	2.3	2.6	3.0	3.0	2.2	2.5
65°	2.0	2.4	2.8	3.8	3.3	2.3	2.7	5.3	4.2	3.6	2.6
62.5°	4.4	2.5	8.4	11.3	6.4	5.0	4.0	11.6	7.3	4.9	3.6
60°	10.5	8.6	23.5	37.6	26.2	8.9	13.0	20.2	18.5	6.4	5.0
57.5°	97.7	33.6	48.7	70.3	69.1	37.5	27.4	36.5	31.4	18.1	7.1
55°	208.4	175.4	115.8	106.1	114.6	92.5	60.2	59.1	48.5	33.6	11.5
52.5°	285.9	298.4	259.7	181.5	158.0	150.5	117.6	85.7	76.1	50.4	29.2
50°	413.9	385.5	381.6	320.3	221.6	200.5	173.6	133.9	106.8	72.1	49.3
47.5°	584.8	513.6	475.9	448.4	353.5	255.6	227.7	183.1	140.6	103.9	70.4
45°	835.6	663.9	591.0	546.4	484.4	359.5	284.9	230.8	183.2	139.4	92.4
42.5°	1087.6	858.4	722.4	650.3	585.8	476.8	346.2	285.9	224.8	175.6	120.4
40°	1309.9	1058.9	860.4	767.7	685.4	590.2	445.3	344.9	265.5	212.9	152.2
37.5°	1577.7	1287.2	1019.3	890.8	791.5	684.8	545.9	406.4	314.4	252.0	184.1
35°	1836.6	1582.8	1197.1	1039.6	909.6	781.9	642.8	479.2	374.5	291.7	216.0
32.5°	2114.7	1860.8	1465.7	1205.7	1031.9	881.1	733.4	567.7	435.0	331.9	247.8
30°	2333.7	2043.8	1701.4	1371.9	1164.9	991.8	823.9	652.7	495.6	372.5	279.8
27.5°	2449.7	2202.1	1887.3	1557.2	1314.6	1105.3	917.1	733.8	556.1	417.1	313.2
25°	2569.8	2313.7	2020.3	1719.2	1462.4	1225.4	1009.8	811.2	622.2	467.4	346.3
22.5°	2713.4	2408.5	2132.4	1847.6	1614.9	1347.2	1107.1	889.6	688.3	516.6	378.8
20°	2857.6	2496.6	2243.0	2022.2	1764.5	1479.0	1208.9	966.0	750.6	564.7	410.6
17.5°	3008.9	2656.5	2430.8	2192.7	1913.6	1606.7	1309.1	1040.0	809.1	611.2	441.5
15°	3272.3	2896.0	2619.9	2358.5	2062.0	1729.5	1406.9	1111.1	863.7	655.8	470.2
12.5°	3511.5	3118.9	2809.3	2518.9	2207.9	1846.6	1501.3	1178.8	914.2	691.4	495.8
10°	3709.3	3325.6	2996.4	2672.9	2349.5	1957.1	1591.2	1233.9	944.5	718.0	519.4
7.5°	3871.4	3516.6	3178.8	2819.4	2471.2	2029.4	1636.5	1266.1	968.0	740.6	540.9
5°	3988.5	3644.1	3275.7	2870.4	2509.2	2059.1	1667.4	1292.2	986.9	759.5	560.3
2.5°	4022.2	3683.2	3312.1	2898.4	2534.9	2078.3	1689.4	1312.3	1001.5	774.8	577.4
0°	4041.8	3709.0	3334.9	2915.6	2548.1	2087.5	1702.7	1326.0	1011.8	786.8	592.4
-2.5°	4069.3	3731.2	3356.9	2959.7	2556.8	2115.4	1710.2	1335.0	1024.8	791.1	601.1
-5°	4083.0	3739.9	3367.5	2989.4	2554.5	2132.1	1709.3	1337.8	1033.3	792.6	607.5
-7.5°	4077.0	3736.9	3367.9	2998.7	2543.0	2136.0	1700.0	1334.8	1036.8	791.5	611.5
-10°	4058.5	3721.8	3355.0	2974.6	2532.4	2120.9	1683.5	1326.3	1034.7	788.1	613.0
-12.5°	4030.6	3693.5	3328.7	2940.0	2510.2	2089.7	1664.0	1311.8	1026.4	782.7	612.0
-15°	3994.3	3652.3	3288.8	2896.0	2473.7	2048.3	1634.7	1290.6	1010.1	776.5	608.4
-17.5°	3947.8	3598.6	3234.9	2843.8	2422.4	1997.0	1595.3	1263.2	989.8	768.9	601.1
-20°	3864.7	3526.4	3166.6	2784.5	2355.8	1936.2	1545.7	1229.3	965.6	758.2	590.6



REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	3771.4	3437.1	3081.4	2704.4	2275.5	1866.4	1485.8	1189.0	937.6	744.2	578.0
-25°	3671.8	3336.5	2982.3	2593.6	2186.7	1792.5	1425.7	1142.4	906.2	726.9	563.4
-27.5°	3554.9	3222.6	2870.1	2471.5	2083.8	1706.8	1368.2	1101.1	875.7	706.3	546.8
-30°	3423.4	3088.7	2729.8	2341.2	1970.9	1607.6	1303.7	1057.0	849.9	683.7	528.3
-32.5°	3272.8	2941.1	2574.3	2207.9	1851.6	1502.5	1232.4	1009.9	820.2	659.8	511.2
-35°	3101.3	2769.4	2409.5	2064.7	1725.2	1417.5	1162.8	959.8	786.4	634.0	493.2
-37.5°	2922.7	2585.1	2244.7	1915.2	1590.9	1325.6	1100.1	910.4	748.7	606.3	473.3
-40°	2718.7	2395.5	2071.8	1761.2	1474.6	1226.8	1032.4	861.7	713.1	576.8	451.5
-42.5°	2508.6	2196.6	1891.4	1598.2	1359.8	1146.4	961.4	809.1	675.5	548.4	427.9
-45°	2282.0	1986.7	1699.6	1460.9	1243.0	1061.3	899.2	754.7	635.3	519.2	403.5
-47.5°	2043.1	1765.3	1525.3	1317.8	1143.8	975.7	833.1	707.6	593.2	488.0	379.1
-50°	1790.0	1559.2	1364.6	1193.4	1036.8	898.7	767.2	658.3	554.6	453.6	353.4
-52.5°	1565.6	1380.7	1219.7	1073.2	942.5	817.6	710.4	607.7	514.8	420.6	326.6
-55°	1373.3	1221.8	1086.0	964.0	848.9	748.2	651.5	562.8	474.0	387.5	299.5
-57.5°	1207.4	1074.9	966.2	860.3	765.2	679.3	597.8	516.9	434.8	353.2	278.0
-60°	1047.9	949.0	852.3	767.1	686.7	613.8	547.2	471.0	395.2	318.9	254.2
-62.5°	910.2	825.8	752.6	678.4	611.6	552.2	496.1	426.1	354.6	287.3	228.3
-65°	781.1	716.3	654.0	594.7	539.3	489.0	443.7	380.2	313.8	253.7	201.4
-67.5°	658.5	609.7	560.8	511.1	467.4	426.7	388.0	330.5	271.2	218.3	174.7
-70°	549.0	507.3	469.0	432.0	396.7	362.7	326.2	277.7	226.6	186.6	147.4
-72.5°	445.6	415.1	383.3	353.0	326.8	296.9	263.3	225.6	189.7	154.4	119.5
-75°	349.9	329.8	307.4	283.3	258.9	232.2	210.0	183.6	152.4	121.5	96.3
-77.5°	279.9	260.3	237.9	218.6	202.3	184.1	163.9	141.0	116.2	94.5	74.4
-80°	206.5	191.5	178.8	167.7	152.6	136.0	119.2	102.5	84.5	67.7	52.1
-82.5°	125.9	122.6	119.1	114.0	101.4	89.1	77.0	65.1	52.3	40.4	33.4
-85°	63.0	61.7	59.8	57.2	49.4	41.9	38.4	34.8	30.5	26.3	22.4
-87.5°	20.7	22.3	23.5	24.4	22.7	21.0	19.2	17.4	15.3	13.2	11.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
85°	1.4	1.2	0.9	0.7	0.5	0.3	0.0
82.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0
80°	2.7	2.3	1.9	1.4	0.9	0.6	0.0
77.5°	2.7	2.7	2.3	1.7	1.2	0.7	0.0
75°	2.7	2.8	2.7	2.1	1.4	0.9	0.0
72.5°	2.8	2.9	2.8	2.4	1.7	1.0	0.0
70°	2.8	3.0	3.0	2.7	1.9	1.2	0.0
67.5°	3.2	3.1	3.1	2.9	2.1	1.3	0.0
65°	3.6	3.6	3.2	3.0	2.4	1.4	0.0
62.5°	4.2	4.4	3.4	3.1	2.6	1.6	0.0
60°	5.0	5.4	3.5	3.2	2.9	1.7	0.0
57.5°	9.1	6.4	4.5	3.4	3.0	1.9	0.0
55°	14.5	7.6	5.6	3.5	3.2	2.0	0.0
52.5°	20.9	9.7	6.8	3.7	3.3	2.1	0.0
50°	28.1	16.5	8.0	3.8	3.5	2.3	0.0
47.5°	37.8	23.9	9.3	4.2	3.6	2.4	0.0
45°	57.0	31.8	10.6	5.2	3.8	2.5	0.0
42.5°	76.7	40.2	12.0	6.2	4.0	2.6	0.0
40°	96.8	49.0	16.1	7.5	4.1	2.7	0.0
37.5°	117.3	58.4	23.1	9.1	4.3	2.9	0.0
35°	138.1	72.5	30.1	10.8	4.5	3.0	0.0
32.5°	160.6	88.9	37.3	12.8	4.6	3.1	0.0
30°	186.4	105.2	44.5	14.9	4.8	3.2	0.0
27.5°	211.7	121.3	53.4	17.1	5.0	3.3	0.0
25°	236.4	137.1	62.5	19.5	5.2	3.4	0.0
22.5°	260.4	153.3	71.6	22.0	5.3	3.5	0.0
20°	283.6	170.6	80.6	24.5	5.5	3.5	0.0
17.5°	306.5	187.4	89.4	27.1	5.7	3.6	0.0
15°	328.5	203.5	98.0	29.7	5.8	3.7	0.0
12.5°	349.1	218.8	106.4	32.3	6.0	3.8	0.0
10°	368.2	233.4	114.4	34.8	6.2	3.8	0.0
7.5°	385.8	246.9	121.9	37.3	6.3	3.9	0.0
5°	401.7	259.4	128.9	39.7	6.4	3.9	0.0
2.5°	416.1	270.8	135.3	41.9	6.6	4.0	0.0
0°	428.7	280.9	141.1	43.9	6.7	4.0	0.0
-2.5°	435.0	287.3	146.5	46.8	7.7	4.2	0.0
-5°	439.5	292.3	151.0	49.4	8.8	4.4	0.0
-7.5°	442.5	296.0	154.8	51.8	9.8	4.7	0.0
-10°	443.8	298.3	157.6	53.8	10.7	4.8	0.0
-12.5°	443.6	299.3	159.5	55.5	11.6	5.0	0.0
-15°	441.8	298.8	160.4	56.9	12.5	5.2	0.0
-17.5°	438.6	297.1	160.3	57.9	13.3	5.3	0.0
-20°	433.6	293.9	159.1	58.5	14.0	5.5	0.0

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REPORT NUMBER: P645465 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	426.3	289.4	156.9	58.7	14.7	5.6	0.0
-25°	417.4	282.5	153.6	58.4	15.3	5.7	0.0
-27.5°	406.8	273.8	149.1	57.7	15.8	5.7	0.0
-30°	394.5	263.9	143.5	56.5	16.2	5.8	0.0
-32.5°	380.6	252.9	137.0	54.8	16.5	5.8	0.0
-35°	365.6	240.7	129.7	52.7	16.7	5.8	0.0
-37.5°	349.4	228.5	121.7	50.1	16.8	5.7	0.0
-40°	332.0	217.4	113.0	46.9	16.8	5.7	0.0
-42.5°	313.3	205.5	106.4	43.6	16.7	5.6	0.0
-45°	293.5	192.8	101.9	40.1	16.5	5.5	0.0
-47.5°	272.6	179.5	96.6	36.2	16.2	5.3	0.0
-50°	255.1	165.4	90.5	34.9	15.8	5.2	0.0
-52.5°	237.6	150.6	83.6	34.2	15.3	5.0	0.0
-55°	219.4	139.5	75.9	33.2	14.7	4.8	0.0
-57.5°	200.5	128.1	67.5	31.7	14.0	4.6	0.0
-60°	181.4	115.7	58.7	29.9	13.2	4.3	0.0
-62.5°	163.9	102.3	54.6	27.8	12.4	4.0	0.0
-65°	145.1	88.1	49.8	25.4	11.5	3.7	0.0
-67.5°	125.1	76.1	44.5	22.6	10.5	3.4	0.0
-70°	104.1	66.6	38.7	19.6	9.5	3.1	0.0
-72.5°	88.0	56.4	32.5	17.3	8.5	2.7	0.0
-75°	72.0	45.5	25.8	15.0	7.4	2.4	0.0
-77.5°	55.1	34.1	21.3	12.7	6.2	2.0	0.0
-80°	37.6	26.0	17.2	10.2	5.0	1.6	0.0
-82.5°	27.6	19.7	13.0	7.7	3.8	1.2	0.0
-85°	18.5	13.2	8.7	5.2	2.5	0.8	0.0
-87.5°	9.3	6.6	4.4	2.6	1.3	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)