

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: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5D-727-U-WR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-727-U-WR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	25872.3 lumens	Max Intensity:	29326.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	95.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

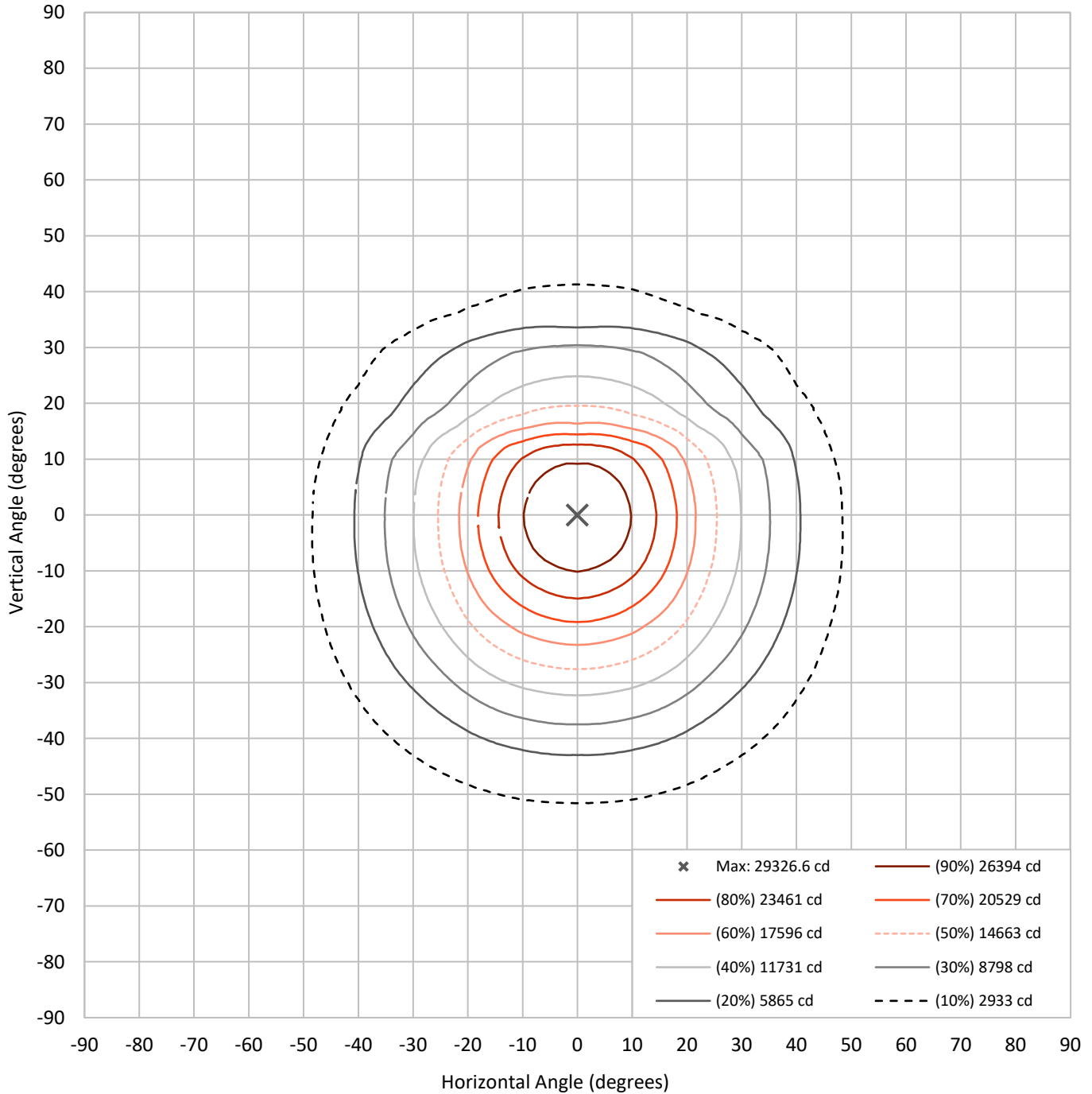
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	12456.3 lumens	Field Lumens:	23164.6 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%

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



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-U-WR-VSR-XX

Iso-Candela Plot





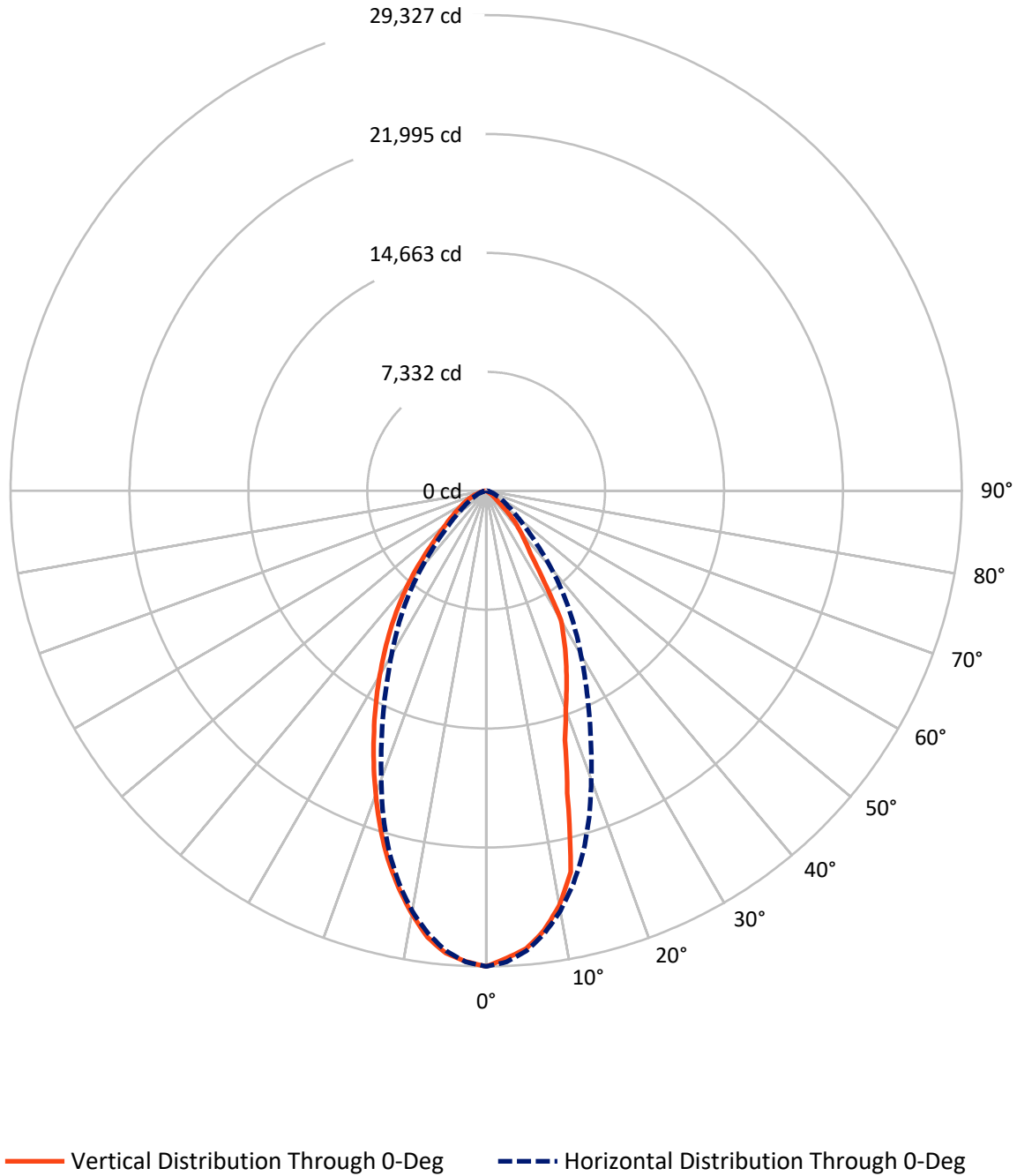
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Lumen Table

90																			
80	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0							
70																			
60	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1				
50		0.6	1.4	2.4	4.1	6.0	8.1	9.2	9.2	8.1	6.0	4.1	2.4	1.4		0.6			
40	1.1	2.0	5.0	10.5	19.3	31.6	45.6	55.9	55.9	45.6	31.6	19.3	10.5	5.0	2.0	1.1			
30		3.9	10.1	23.4	48.3	88.7	135.7	163.2	163.2	135.7	88.7	48.3	23.4	10.1	3.9				
20	2.8	6.2	16.4	42.5	100.5	188.7	287.2	346.1	346.1	287.2	188.7	100.5	42.5	16.4	6.2	2.8			
10		8.4	23.3	66.6	165.3	305.7	477.8	590.6	590.6	477.8	305.7	165.3	66.6	23.3	8.4				
0	4.0	9.8	29.3	86.2	217.1	404.6	649.7	823.7	823.7	649.7	404.6	217.1	86.2	29.3	9.8	4.0			
-10		10.2	30.5	88.9	220.2	410.5	656.3	828.9	828.9	656.3	410.5	220.2	88.9	30.5	10.2				
-20	4.3	10.1	28.9	79.2	195.1	360.5	555.6	685.6	685.6	555.6	360.5	195.1	79.2	28.9	10.1	4.3			
-30		9.2	25.0	62.0	145.6	271.7	405.0	485.6	485.6	405.0	271.7	145.6	62.0	25.0	9.2				
-40	3.6	8.1	20.3	44.8	91.6	168.6	254.4	302.8	302.8	254.4	168.6	91.6	44.8	20.3	8.1	3.6			
-50		6.7	15.7	31.0	55.1	88.3	126.6	150.7	150.7	126.6	88.3	55.1	31.0	15.7	6.7				
-60	2.3	5.2	11.4	20.6	33.6	48.4	62.6	70.8	70.8	62.6	48.4	33.6	20.6	11.4	5.2	2.3			
-70		3.7	7.6	12.7	19.5	26.6	32.5	35.5	35.5	32.5	26.6	19.5	12.7	7.6	3.7				
-80	0.6	7.4	19.0	34.0	31.0	34.0	19.0	7.4	0.6										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

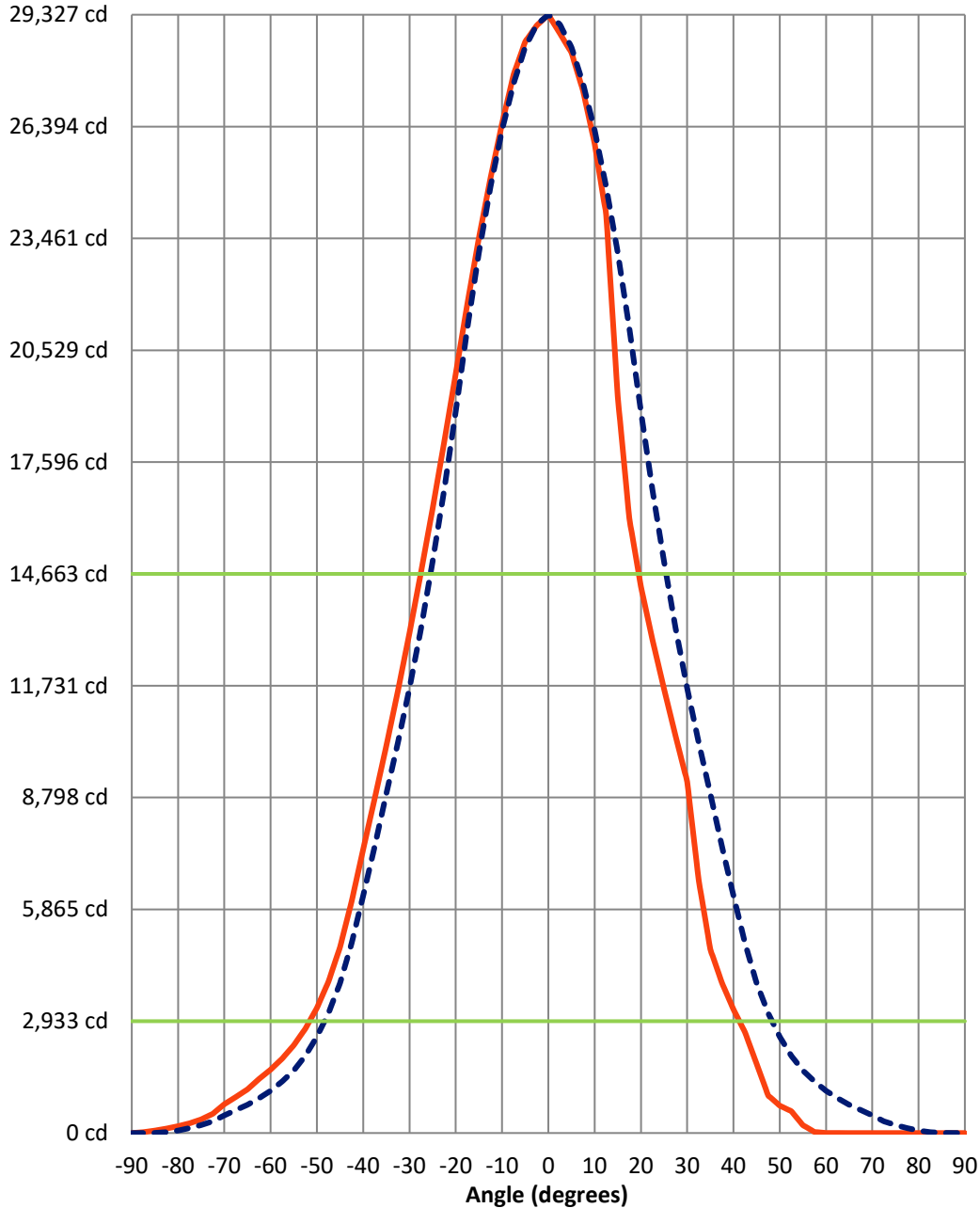
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 50.9°
 V Angle: 47.1°
 Lumens: 12456.3
 Efficiency: 48.1%

Field:
 H Angle: 96.7°
 V Angle: 92.9°
 Lumens: 23164.6
 Efficiency: 89.5%

Spill:
 Lumens: 2707.8
 Efficiency: 10.5%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
85°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8
82.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.1	2.1
80°	0.0	0.4	0.7	1.1	1.5	1.8	2.1	2.1	2.1	2.1	2.1
77.5°	0.0	0.5	0.9	1.4	1.8	2.1	2.1	2.1	2.1	2.1	2.1
75°	0.0	0.5	1.1	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	0.0	0.6	1.3	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	0.0	0.7	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3
67.5°	0.0	0.8	1.6	2.1	2.1	2.1	2.3	2.1	2.1	2.7	2.6
65°	0.0	0.9	1.8	2.1	2.1	2.3	2.5	2.1	3.0	3.4	4.0
62.5°	0.0	1.0	1.9	2.1	2.1	2.8	2.9	2.9	4.0	5.6	8.7
60°	0.0	1.0	2.1	2.1	2.1	3.4	3.3	4.0	5.1	13.9	15.0
57.5°	0.0	1.1	2.1	2.1	2.7	4.0	5.7	5.4	13.7	23.4	25.7
55°	0.0	1.2	2.2	2.1	3.3	4.6	8.7	8.0	25.0	35.3	39.8
52.5°	0.0	1.3	2.2	2.1	4.0	5.8	12.1	19.7	37.4	52.3	56.4
50°	0.0	1.3	2.2	2.1	4.7	9.4	16.0	32.6	52.3	71.2	86.1
47.5°	0.0	1.4	2.3	2.2	5.4	13.3	21.3	45.6	71.8	92.0	116.8
45°	0.0	1.5	2.4	2.8	6.2	17.4	32.7	58.7	91.3	119.2	147.1
42.5°	0.0	1.5	2.4	3.4	7.0	21.8	44.0	74.2	110.9	146.0	180.8
40°	0.0	1.6	2.5	4.1	9.2	26.4	55.2	91.1	131.1	172.2	215.9
37.5°	0.0	1.7	2.6	5.0	12.7	31.2	66.3	107.8	153.1	199.2	251.9
35°	0.0	1.7	2.7	6.0	16.4	38.7	77.4	124.3	175.2	231.4	290.9
32.5°	0.0	1.8	2.8	7.1	20.0	47.5	89.1	140.4	197.3	264.4	334.9
30°	0.0	1.8	2.9	8.2	23.7	56.0	102.2	156.9	219.4	298.2	379.2
27.5°	0.0	1.9	3.0	9.4	28.0	64.2	114.9	174.9	243.7	332.5	423.6
25°	0.0	1.9	3.1	10.6	32.2	72.2	127.1	192.6	271.6	369.0	468.1
22.5°	0.0	1.9	3.2	11.9	36.3	79.9	138.8	209.7	299.3	405.9	513.2
20°	0.0	2.0	3.3	13.2	40.2	87.5	150.0	226.3	326.5	442.0	556.1
17.5°	0.0	2.0	3.4	14.5	44.1	94.6	160.4	242.2	353.0	477.1	596.9
15°	0.0	2.0	3.5	15.9	47.7	101.2	169.9	256.4	378.6	510.9	635.2
12.5°	0.0	2.1	3.7	17.2	51.2	107.4	178.6	268.2	399.8	543.2	671.2
10°	0.0	2.1	3.8	18.5	54.4	113.0	186.5	278.7	416.8	562.3	699.4
7.5°	0.0	2.1	3.9	19.7	57.5	118.1	193.6	288.0	431.7	576.9	714.2
5°	0.0	2.1	4.0	20.9	60.2	122.6	199.8	296.0	444.4	588.5	726.1
2.5°	0.0	2.1	4.1	22.0	62.7	126.6	205.1	302.6	454.8	597.2	735.2
0°	0.0	2.1	4.2	23.0	64.9	129.9	209.5	307.9	462.9	603.3	741.5
-2.5°	0.0	2.2	4.8	24.5	67.9	134.0	215.2	316.8	472.0	612.0	751.3
-5°	0.0	2.4	5.5	25.8	70.5	137.4	219.9	324.2	478.6	618.3	758.3
-7.5°	0.0	2.5	6.1	27.0	72.7	140.2	223.7	330.0	482.8	622.2	762.5
-10°	0.0	2.6	6.7	28.1	74.5	142.3	226.3	334.2	484.6	623.7	763.7
-12.5°	0.0	2.7	7.2	29.0	75.9	143.7	227.9	336.6	484.0	622.8	760.2
-15°	0.0	2.8	7.7	29.7	76.8	144.3	228.4	337.1	480.5	617.3	752.8
-17.5°	0.0	2.9	8.2	30.3	77.3	144.2	227.7	336.4	474.3	610.0	742.6
-20°	0.0	3.0	8.6	30.7	77.2	143.4	227.1	334.8	466.6	600.8	729.6

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CATALOG NUMBER: GFLD-SA5D-727-U-WR-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	3.1	9.0	30.9	76.5	141.8	227.2	331.8	457.4	589.8	713.7
-25°	0.0	3.1	9.4	30.9	75.4	141.3	226.2	327.4	446.9	577.3	695.2
-27.5°	0.0	3.2	9.6	30.7	73.6	140.7	224.0	321.6	435.2	562.8	678.0
-30°	0.0	3.2	9.9	30.3	71.5	139.2	220.7	314.4	425.0	546.4	659.5
-32.5°	0.0	3.2	10.0	29.6	70.6	136.8	216.3	308.5	414.8	529.4	639.8
-35°	0.0	3.2	10.1	28.8	69.2	133.5	212.0	302.1	403.3	511.7	618.8
-37.5°	0.0	3.2	10.2	27.7	67.1	129.9	207.2	294.3	390.5	493.6	594.1
-40°	0.0	3.2	10.1	26.4	64.4	126.8	201.2	285.2	376.4	476.7	567.7
-42.5°	0.0	3.1	10.0	25.2	62.5	122.8	194.1	274.8	363.3	454.8	539.6
-45°	0.0	3.1	9.9	24.2	61.3	118.0	185.8	263.9	349.9	431.2	510.4
-47.5°	0.0	3.0	9.7	22.9	59.4	112.4	176.4	252.8	334.8	406.9	483.4
-50°	0.0	2.9	9.4	22.5	56.9	106.1	168.2	240.4	315.1	384.7	455.5
-52.5°	0.0	2.8	9.0	22.2	53.8	98.9	159.4	226.5	295.6	361.6	427.2
-55°	0.0	2.7	8.6	21.6	50.1	93.1	149.5	211.8	275.4	337.5	400.6
-57.5°	0.0	2.6	8.1	20.7	45.8	86.8	138.8	198.7	254.1	313.2	373.0
-60°	0.0	2.4	7.6	19.6	41.1	79.6	127.3	182.8	232.3	288.0	344.6
-62.5°	0.0	2.3	7.1	18.2	38.2	71.6	116.1	165.2	210.8	261.8	315.2
-65°	0.0	2.1	6.6	16.6	34.9	62.9	103.9	146.9	187.9	234.2	284.7
-67.5°	0.0	1.9	6.1	14.7	31.2	55.0	90.6	128.3	163.7	205.0	250.9
-70°	0.0	1.7	5.5	12.7	27.2	48.3	76.4	109.1	140.7	174.4	214.5
-72.5°	0.0	1.5	4.9	11.2	22.8	40.9	64.9	89.3	117.2	146.7	177.9
-75°	0.0	1.3	4.2	9.8	18.1	33.2	53.3	72.8	92.9	118.3	145.1
-77.5°	0.0	1.1	3.6	8.3	15.0	25.0	41.1	57.2	73.8	91.3	111.6
-80°	0.0	0.9	2.9	6.7	12.1	19.1	28.4	41.3	54.9	69.2	84.1
-82.5°	0.0	0.7	2.2	5.1	9.2	14.4	20.9	27.6	35.7	46.7	58.2
-85°	0.0	0.5	1.5	3.4	6.1	9.7	14.0	18.5	23.5	29.1	35.3
-87.5°	0.0	0.2	0.7	1.7	3.1	4.9	7.0	9.3	11.8	14.6	17.7
-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: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.7
85°	1.9	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	1.7
67.5°	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1	1.6	1.1
65°	2.1	2.1	2.9	3.1	2.2	2.1	2.1	2.1	2.2	1.9	1.9
62.5°	3.1	3.8	4.7	7.3	5.4	2.1	4.1	4.8	3.2	2.6	2.8
60°	9.2	6.3	16.1	22.3	14.6	7.8	9.5	19.0	15.7	4.3	11.1
57.5°	18.5	22.8	40.6	42.6	32.7	22.2	48.5	53.7	44.6	28.0	40.3
55°	38.5	54.2	68.5	67.7	68.1	85.6	100.6	98.7	87.0	120.1	151.2
52.5°	73.0	89.2	98.7	107.5	131.9	148.2	152.8	162.1	196.2	237.1	244.5
50°	107.1	123.7	136.2	168.1	193.2	206.0	218.0	249.3	300.9	328.9	333.4
47.5°	141.6	160.2	193.1	228.0	252.2	271.6	292.4	363.4	421.0	444.9	453.5
45°	177.6	209.9	251.0	286.8	314.8	341.1	408.5	505.5	546.0	582.6	675.7
42.5°	215.0	263.6	309.9	347.4	379.1	434.0	527.8	621.8	679.8	757.7	870.1
40°	262.7	317.2	370.9	409.0	448.5	531.8	647.9	747.3	808.8	913.2	1041.4
37.5°	311.2	374.9	432.8	473.0	528.5	641.2	777.6	896.7	972.9	1057.9	1263.9
35°	359.0	433.7	493.1	547.1	615.6	770.9	939.1	1071.7	1165.8	1311.4	1572.1
32.5°	410.1	493.6	554.3	627.8	740.5	914.1	1120.7	1267.8	1423.9	1633.4	2051.0
30°	464.5	549.7	619.5	707.8	858.9	1061.6	1301.2	1486.2	1698.1	2038.4	2488.5
27.5°	518.7	605.5	691.5	803.8	969.8	1188.8	1439.0	1730.7	2004.6	2385.1	2877.1
25°	570.8	662.4	762.2	897.9	1077.4	1306.6	1579.8	1916.2	2273.7	2708.9	3286.6
22.5°	620.5	720.2	837.0	982.8	1168.2	1418.5	1744.3	2139.4	2569.0	3019.8	3683.7
20°	669.3	784.8	918.8	1082.0	1251.7	1521.6	1905.1	2383.6	2921.9	3539.6	4190.1
17.5°	717.5	848.6	1003.2	1184.7	1390.3	1666.5	2070.0	2639.7	3294.8	4098.7	4899.7
15°	764.6	911.1	1084.9	1286.1	1530.1	1860.2	2318.5	2944.6	3736.1	4698.8	5647.6
12.5°	810.4	971.7	1163.3	1385.1	1665.6	2042.5	2552.7	3228.2	4135.2	5285.2	6450.8
10°	854.3	1029.9	1237.7	1480.7	1795.5	2212.2	2759.7	3473.4	4436.2	5621.4	6917.8
7.5°	876.6	1069.3	1301.3	1571.6	1918.0	2368.0	2939.9	3680.8	4671.3	5891.7	7191.6
5°	892.6	1087.3	1325.1	1607.9	1985.3	2473.9	3077.7	3850.3	4844.7	6095.1	7377.0
2.5°	904.8	1100.2	1342.5	1628.5	2011.9	2509.2	3123.2	3909.3	4937.6	6201.3	7485.1
0°	913.3	1108.1	1353.2	1640.2	2025.6	2526.3	3144.2	3933.9	4977.1	6225.6	7524.4
-2.5°	922.3	1118.9	1364.5	1658.4	2044.9	2549.5	3167.3	3951.3	5006.7	6232.3	7545.6
-5°	927.4	1124.7	1368.9	1667.2	2051.1	2553.9	3165.7	3934.8	4983.2	6183.4	7499.4
-7.5°	928.9	1125.4	1366.5	1665.5	2043.2	2534.1	3132.2	3885.7	4901.9	6084.4	7386.2
-10°	926.6	1120.5	1357.4	1650.4	2020.2	2493.0	3072.4	3800.6	4768.4	5921.0	7194.8
-12.5°	919.8	1110.0	1341.3	1625.7	1983.1	2434.5	2988.1	3679.3	4582.9	5693.8	6925.1
-15°	908.9	1094.4	1318.0	1591.6	1932.0	2359.2	2879.8	3521.8	4344.2	5405.0	6589.2
-17.5°	894.0	1073.7	1287.4	1548.0	1866.7	2267.7	2748.8	3337.4	4086.7	5082.7	6215.8
-20°	874.9	1047.9	1249.6	1495.2	1791.4	2171.4	2627.2	3174.2	3845.7	4713.6	5775.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	851.7	1017.1	1209.7	1444.6	1724.7	2071.4	2491.3	2989.2	3575.4	4287.1	5294.1
-25°	827.9	987.7	1170.8	1388.2	1648.4	1958.0	2335.8	2789.4	3320.3	3971.7	4804.3
-27.5°	804.3	953.8	1125.8	1323.1	1563.0	1841.2	2189.7	2603.1	3076.3	3630.2	4308.2
-30°	777.8	916.0	1076.3	1255.0	1481.0	1739.3	2040.5	2394.8	2815.6	3316.1	3905.4
-32.5°	748.9	875.4	1028.3	1196.0	1393.2	1628.4	1888.9	2209.4	2575.4	2988.3	3497.8
-35°	720.1	840.8	979.1	1132.5	1299.0	1519.2	1758.6	2024.5	2335.8	2701.5	3108.9
-37.5°	692.4	803.0	926.4	1069.5	1225.6	1408.4	1620.0	1860.0	2128.0	2418.9	2770.9
-40°	661.5	762.2	878.9	1008.5	1146.7	1305.1	1495.8	1699.5	1930.3	2186.2	2458.0
-42.5°	627.9	724.7	831.2	942.9	1069.7	1211.2	1369.4	1555.7	1747.4	1961.9	2199.1
-45°	595.1	683.9	781.4	883.3	990.0	1115.1	1258.7	1413.7	1583.7	1758.7	1958.0
-47.5°	560.4	641.6	732.3	821.1	915.6	1022.3	1144.3	1284.9	1426.7	1582.4	1737.0
-50°	525.8	601.9	678.2	761.1	845.7	934.5	1037.6	1158.9	1287.9	1417.2	1553.2
-52.5°	494.7	560.6	629.5	700.7	777.7	856.7	942.6	1042.7	1155.5	1269.4	1386.6
-55°	463.0	523.7	580.7	644.4	711.1	782.2	858.7	942.9	1028.1	1131.8	1232.7
-57.5°	432.0	485.8	535.4	589.7	649.0	709.5	778.4	849.9	927.3	1005.7	1088.2
-60°	400.9	446.7	491.6	538.6	588.3	642.1	697.6	760.5	826.8	894.9	966.4
-62.5°	368.9	406.0	445.5	488.5	532.3	573.7	620.2	671.6	726.3	784.8	845.4
-65°	332.9	363.7	396.7	434.1	475.3	508.6	544.2	582.8	628.1	676.3	723.8
-67.5°	294.5	321.8	348.7	376.5	409.8	439.7	469.0	499.7	533.5	572.9	611.1
-70°	251.7	278.9	302.7	325.7	346.9	368.2	393.1	417.3	444.5	479.9	514.6
-72.5°	208.2	233.8	256.3	275.8	290.7	303.5	318.7	336.3	362.4	395.2	425.8
-75°	168.4	189.0	210.1	228.8	238.5	242.3	245.4	254.7	281.1	314.8	344.5
-77.5°	131.2	149.1	166.2	182.6	189.4	192.0	193.3	193.3	212.8	241.4	271.5
-80°	96.6	109.0	123.6	137.6	141.8	143.0	143.2	142.3	158.2	178.8	200.9
-82.5°	67.1	76.1	85.4	94.9	96.2	95.5	94.1	92.8	105.6	120.5	135.8
-85°	39.1	42.9	48.5	54.4	55.0	54.7	53.7	52.1	59.2	67.3	75.9
-87.5°	19.6	21.5	23.4	25.2	24.6	23.6	22.3	20.7	22.7	24.8	27.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-WR-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°	1.7	1.3	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.1	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.1	1.6	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.1	1.7	1.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.1	1.7	1.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.1	1.8	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.1	1.8	1.3	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.2	0.6	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.0	1.1	1.1	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.2	2.1	1.6	1.0	0.5	0.4	0.5	0.4	0.2	0.0	0.0
62.5°	2.7	2.6	1.9	1.8	1.9	2.1	1.7	1.5	1.4	1.5	1.7
60°	11.8	6.8	6.9	8.8	7.5	3.4	6.8	8.7	8.1	6.2	5.4
57.5°	60.1	50.3	35.1	58.9	60.7	42.3	45.9	59.9	58.1	44.9	44.7
55°	151.5	153.7	165.0	179.9	191.0	196.1	200.6	223.1	247.1	270.7	282.5
52.5°	250.3	279.5	315.9	340.0	356.8	391.3	439.6	461.8	483.4	507.8	525.5
50°	368.5	419.4	455.9	461.3	518.7	556.0	564.7	606.3	651.6	679.8	700.1
47.5°	548.3	612.6	644.4	664.8	734.7	811.3	811.3	835.2	948.7	1008.0	1036.6
45°	789.7	843.3	899.7	1046.0	1180.6	1223.2	1314.6	1438.4	1518.9	1629.6	1751.3
42.5°	995.3	1096.0	1237.1	1398.2	1533.1	1645.4	1781.2	1930.0	2108.7	2276.8	2421.8
40°	1198.8	1323.5	1498.2	1673.4	1843.3	1998.9	2217.7	2409.1	2619.9	2851.1	3043.8
37.5°	1464.2	1623.9	1804.4	2025.5	2289.8	2462.5	2763.5	3038.5	3276.0	3555.2	3727.2
35°	1872.0	2080.0	2239.9	2686.7	3008.3	3210.3	3566.7	4018.5	4192.0	4543.6	4710.5
32.5°	2384.6	2661.1	3081.9	3673.6	4103.0	4474.9	5007.5	5466.1	5856.9	6210.0	6577.4
30°	2960.6	3387.3	4007.6	4793.8	5230.0	5750.8	6471.1	7014.8	7627.7	8300.5	8536.1
27.5°	3483.4	4122.4	4842.6	5479.4	6105.9	6754.7	7462.4	8160.8	8824.2	9384.1	9759.7
25°	3967.9	4741.8	5441.7	6122.2	6801.1	7531.7	8332.2	9124.3	9854.3	10430.3	10868.3
22.5°	4467.6	5285.3	6034.0	6724.5	7514.1	8342.1	9193.4	10101.9	10932.7	11530.3	12007.4
20°	4937.5	5846.8	6700.9	7487.1	8233.5	9189.3	10169.5	11133.3	12037.9	12749.8	13300.0
17.5°	5683.3	6472.7	7516.5	8537.9	9378.8	10256.7	11566.6	12561.3	13565.2	14417.8	15001.0
15°	6599.2	7467.2	8545.0	9947.7	11099.9	12105.9	13459.1	15077.2	16261.3	17349.6	18096.2
12.5°	7515.8	8497.6	9663.4	11242.0	12882.4	14067.3	15709.0	17759.4	19138.7	20823.7	21654.4
10°	8218.3	9451.2	10651.8	12092.4	13667.8	15355.1	17124.9	19043.1	20886.0	22333.0	23626.4
7.5°	8501.2	9814.4	11204.3	12674.1	14249.3	15990.8	17877.0	19873.0	21769.7	23385.9	24807.3
5°	8712.6	10058.2	11457.2	12960.1	14644.0	16462.6	18376.9	20472.6	22409.5	24141.7	25595.9
2.5°	8846.9	10205.2	11598.2	13126.2	14897.3	16769.7	18745.6	20896.8	22862.9	24646.0	26095.5
0°	8898.5	10237.1	11663.6	13236.7	14990.1	16867.0	18928.2	21104.6	23086.3	24810.3	26301.7
-2.5°	8905.5	10207.4	11667.9	13233.3	14911.0	16805.4	18891.6	21049.9	22991.3	24708.3	26213.1
-5°	8835.6	10137.0	11598.7	13140.5	14820.5	16700.7	18697.2	20782.9	22634.5	24305.5	25754.3
-7.5°	8693.9	9991.7	11421.1	12927.6	14562.2	16386.0	18303.6	20242.7	22059.0	23661.8	25044.4
-10°	8483.6	9754.1	11134.1	12601.9	14148.6	15883.3	17711.8	19564.5	21267.8	22750.0	24028.5
-12.5°	8198.9	9440.0	10757.8	12159.1	13598.8	15252.7	16979.2	18719.0	20271.5	21624.6	22771.8
-15°	7829.1	9041.3	10317.3	11642.5	13038.7	14534.3	16083.8	17679.6	19111.4	20311.4	21359.4
-17.5°	7393.5	8569.1	9780.9	11009.4	12334.1	13737.4	15175.7	16608.2	17829.4	18895.5	19853.8
-20°	6907.8	8040.6	9191.6	10336.8	11538.7	12836.5	14165.0	15423.2	16490.4	17459.1	18336.0



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6363.3	7447.6	8550.8	9622.5	10706.4	11881.5	13067.8	14205.8	15204.0	16032.6	16794.6
-25°	5780.5	6782.2	7824.1	8828.9	9826.5	10879.5	11957.1	13004.0	13882.6	14602.0	15231.7
-27.5°	5193.1	6108.5	7026.4	7972.4	8894.5	9866.2	10841.8	11746.0	12534.8	13197.2	13726.3
-30°	4575.7	5394.1	6232.3	7088.3	7968.7	8858.0	9739.4	10531.2	11219.8	11802.4	12259.7
-32.5°	4062.6	4684.3	5424.4	6201.4	7026.8	7837.0	8603.8	9325.4	9974.3	10482.9	10870.8
-35°	3570.8	4097.3	4651.6	5339.3	6048.4	6794.0	7499.4	8143.5	8721.8	9166.3	9531.2
-37.5°	3148.0	3564.4	4033.2	4524.2	5118.7	5735.0	6371.7	6977.4	7493.2	7880.9	8206.7
-40°	2782.1	3110.9	3485.4	3874.7	4312.1	4754.9	5309.2	5820.4	6241.4	6603.8	6899.0
-42.5°	2451.3	2728.8	3005.3	3324.6	3654.6	4010.6	4399.6	4777.7	5100.7	5404.1	5654.9
-45°	2165.7	2387.4	2607.8	2854.4	3096.7	3386.2	3664.1	3912.0	4173.8	4400.9	4579.6
-47.5°	1916.1	2088.8	2277.8	2462.4	2656.9	2874.9	3081.7	3270.4	3462.2	3628.3	3761.5
-50°	1694.1	1837.3	1991.6	2136.7	2294.0	2453.5	2606.4	2756.5	2902.1	3028.5	3126.8
-52.5°	1499.9	1625.0	1745.2	1860.7	1985.9	2103.9	2214.6	2338.4	2452.4	2551.9	2619.2
-55°	1334.5	1436.7	1535.2	1631.6	1726.2	1815.7	1904.0	2000.1	2088.0	2167.2	2217.3
-57.5°	1179.2	1266.2	1349.6	1428.3	1503.4	1574.5	1648.9	1722.8	1790.5	1850.2	1889.0
-60°	1037.9	1108.9	1181.1	1245.4	1305.9	1362.8	1425.4	1484.5	1539.2	1585.1	1611.9
-62.5°	908.4	972.1	1025.4	1076.2	1127.8	1179.0	1223.4	1267.1	1309.3	1344.9	1368.3
-65°	773.1	827.1	872.4	913.2	950.1	989.8	1027.7	1062.0	1092.5	1115.6	1130.4
-67.5°	652.0	691.7	728.1	760.5	793.5	825.2	854.4	880.4	903.3	919.4	930.1
-70°	546.8	577.2	606.9	636.4	665.7	690.5	711.7	731.1	748.7	756.0	759.3
-72.5°	454.4	481.3	507.4	533.5	557.9	577.2	592.8	607.0	619.9	608.8	589.5
-75°	370.5	394.2	418.6	441.6	463.2	478.0	489.5	500.1	509.8	485.9	452.9
-77.5°	301.9	322.8	340.8	358.8	376.5	385.9	393.3	400.5	407.4	380.6	346.8
-80°	224.0	240.8	256.2	271.3	286.1	291.7	294.9	297.1	298.3	275.4	249.0
-82.5°	151.3	160.1	168.5	177.3	186.3	191.0	194.6	197.3	199.3	183.0	164.7
-85°	84.8	87.4	89.5	91.2	92.7	95.6	98.5	101.1	103.5	95.7	87.2
-87.5°	29.1	29.1	29.0	28.8	28.5	28.5	28.5	28.4	28.3	27.1	25.8
-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: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-WR-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	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4
62.5°	1.9	2.0	2.1	2.1	2.1	2.0	1.9	1.7	1.5	1.4	1.5
60°	4.1	2.6	2.1	2.1	2.1	2.6	4.1	5.4	6.2	8.1	8.7
57.5°	41.7	36.3	32.6	29.3	32.6	36.3	41.7	44.7	44.9	58.1	59.9
55°	277.4	258.4	235.0	207.4	235.0	258.4	277.4	282.5	270.7	247.1	223.1
52.5°	544.2	562.3	572.8	571.9	572.8	562.3	544.2	525.5	507.8	483.4	461.8
50°	716.3	726.2	726.7	718.5	726.7	726.2	716.3	700.1	679.8	651.6	606.3
47.5°	1049.5	1035.8	1012.1	986.6	1012.1	1035.8	1049.5	1036.6	1008.0	948.7	835.2
45°	1831.4	1875.5	1872.6	1816.2	1872.6	1875.5	1831.4	1751.3	1629.6	1518.9	1438.4
42.5°	2502.8	2568.8	2615.6	2639.4	2615.6	2568.8	2502.8	2421.8	2276.8	2108.7	1930.0
40°	3152.4	3216.2	3244.3	3242.7	3244.3	3216.2	3152.4	3043.8	2851.1	2619.9	2409.1
37.5°	3838.8	3921.4	3961.4	3942.3	3961.4	3921.4	3838.8	3727.2	3555.2	3276.0	3038.5
35°	4782.7	4860.0	4861.4	4822.1	4861.4	4860.0	4782.7	4710.5	4543.6	4192.0	4018.5
32.5°	6869.0	6894.8	6696.1	6625.7	6696.1	6894.8	6869.0	6577.4	6210.0	5856.9	5466.1
30°	8770.6	8954.0	9124.6	9210.6	9124.6	8954.0	8770.6	8536.1	8300.5	7627.7	7014.8
27.5°	10042.9	10263.4	10400.1	10408.8	10400.1	10263.4	10042.9	9759.7	9384.1	8824.2	8160.8
25°	11200.1	11446.7	11595.8	11646.8	11595.8	11446.7	11200.1	10868.3	10430.3	9854.3	9124.3
22.5°	12412.4	12703.1	12895.7	12935.1	12895.7	12703.1	12412.4	12007.4	11530.3	10932.7	10101.9
20°	13818.9	14157.3	14341.9	14334.4	14341.9	14157.3	13818.9	13300.0	12749.8	12037.9	11133.3
17.5°	15670.7	16033.6	16193.0	16123.3	16193.0	16033.6	15670.7	15001.0	14417.8	13565.2	12561.3
15°	18862.7	19621.7	19618.7	19315.7	19618.7	19621.7	18862.7	18096.2	17349.6	16261.3	15077.2
12.5°	22799.9	23365.6	23946.0	24070.8	23946.0	23365.6	22799.9	21654.4	20823.7	19138.7	17759.4
10°	24715.8	25467.1	25962.9	25949.8	25962.9	25467.1	24715.8	23626.4	22333.0	20886.0	19043.1
7.5°	25914.4	26744.4	27345.2	27332.3	27345.2	26744.4	25914.4	24807.3	23385.9	21769.7	19873.0
5°	26839.3	27760.0	28292.2	28331.5	28292.2	27760.0	26839.3	25595.9	24141.7	22409.5	20472.6
2.5°	27319.9	28280.7	28920.6	28836.4	28920.6	28280.7	27319.9	26095.5	24646.0	22862.9	20896.8
0°	27520.9	28471.9	29068.9	29326.6	29068.9	28471.9	27520.9	26301.7	24810.3	23086.3	21104.6
-2.5°	27433.1	28358.5	29018.2	29043.8	29018.2	28358.5	27433.1	26213.1	24708.3	22991.3	21049.9
-5°	26963.1	27939.6	28381.6	28616.4	28381.6	27939.6	26963.1	25754.3	24305.5	22634.5	20782.9
-7.5°	26205.1	26936.9	27498.4	27757.6	27498.4	26936.9	26205.1	25044.4	23661.8	22059.0	20242.7
-10°	25025.3	25782.9	26257.4	26471.4	26257.4	25782.9	25025.3	24028.5	22750.0	21267.8	19564.5
-12.5°	23718.4	24406.9	24858.0	25038.6	24858.0	24406.9	23718.4	22771.8	21624.6	20271.5	18719.0
-15°	22260.3	22885.4	23300.6	23473.8	23300.6	22885.4	22260.3	21359.4	20311.4	19111.4	17679.6
-17.5°	20655.1	21202.9	21616.7	21741.4	21616.7	21202.9	20655.1	19853.8	18895.5	17829.4	16608.2
-20°	19004.6	19499.9	19840.6	19914.8	19840.6	19499.9	19004.6	18336.0	17459.1	16490.4	15423.2



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17341.6	17749.6	18026.3	18119.6	18026.3	17749.6	17341.6	16794.6	16032.6	15204.0	14205.8
-25°	15716.4	16068.5	16291.3	16374.7	16291.3	16068.5	15716.4	15231.7	14602.0	13882.6	13004.0
-27.5°	14153.3	14481.5	14686.1	14713.6	14686.1	14481.5	14153.3	13726.3	13197.2	12534.8	11746.0
-30°	12615.3	12886.4	13044.2	13111.1	13044.2	12886.4	12615.3	12259.7	11802.4	11219.8	10531.2
-32.5°	11178.0	11414.8	11556.5	11594.5	11556.5	11414.8	11178.0	10870.8	10482.9	9974.3	9325.4
-35°	9821.2	10039.9	10165.5	10155.4	10165.5	10039.9	9821.2	9531.2	9166.3	8721.8	8143.5
-37.5°	8476.1	8677.9	8791.9	8781.2	8791.9	8677.9	8476.1	8206.7	7880.9	7493.2	6977.4
-40°	7141.7	7315.8	7416.2	7440.6	7416.2	7315.8	7141.7	6899.0	6603.8	6241.4	5820.4
-42.5°	5863.3	6024.0	6104.4	6072.7	6104.4	6024.0	5863.3	5654.9	5404.1	5100.7	4777.7
-45°	4704.7	4787.8	4842.5	4876.6	4842.5	4787.8	4704.7	4579.6	4400.9	4173.8	3912.0
-47.5°	3859.0	3927.9	3965.2	3971.7	3965.2	3927.9	3859.0	3761.5	3628.3	3462.2	3270.4
-50°	3203.3	3261.9	3287.8	3280.4	3287.8	3261.9	3203.3	3126.8	3028.5	2902.1	2756.5
-52.5°	2667.7	2701.7	2724.6	2735.7	2724.6	2701.7	2667.7	2619.2	2551.9	2452.4	2338.4
-55°	2255.0	2281.4	2296.9	2302.1	2296.9	2281.4	2255.0	2217.3	2167.2	2088.0	2000.1
-57.5°	1921.3	1946.5	1955.6	1952.3	1955.6	1946.5	1921.3	1889.0	1850.2	1790.5	1722.8
-60°	1632.5	1646.9	1657.7	1663.2	1657.7	1646.9	1632.5	1611.9	1585.1	1539.2	1484.5
-62.5°	1386.9	1400.4	1411.6	1418.1	1411.6	1400.4	1386.9	1368.3	1344.9	1309.3	1267.1
-65°	1140.7	1146.7	1148.4	1145.8	1148.4	1146.7	1140.7	1130.4	1115.6	1092.5	1062.0
-67.5°	937.9	942.9	946.3	946.8	946.3	942.9	937.9	930.1	919.4	903.3	880.4
-70°	762.5	764.6	762.2	756.2	762.2	764.6	762.5	759.3	756.0	748.7	731.1
-72.5°	569.6	548.7	527.9	504.8	527.9	548.7	569.6	589.5	608.8	619.9	607.0
-75°	418.7	383.4	370.6	358.2	370.6	383.4	418.7	452.9	485.9	509.8	500.1
-77.5°	311.4	274.7	264.8	255.6	264.8	274.7	311.4	346.8	380.6	407.4	400.5
-80°	221.3	192.6	186.2	180.1	186.2	192.6	221.3	249.0	275.4	298.3	297.1
-82.5°	145.4	125.4	121.4	117.3	121.4	125.4	145.4	164.7	183.0	199.3	197.3
-85°	78.2	68.8	66.9	64.9	66.9	68.8	78.2	87.2	95.7	103.5	101.1
-87.5°	24.4	22.9	23.0	23.0	23.0	22.9	24.4	25.8	27.1	28.3	28.4
-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: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-WR-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°	0.0	0.0	0.0	0.5	0.9	1.3	1.7	1.7	1.6	1.5	1.5
85°	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	0.0	0.0	0.6	1.1	1.6	2.1	2.1	2.1	2.1	2.1
80°	0.0	0.0	0.1	0.6	1.1	1.7	2.1	2.1	2.1	2.1	2.1
77.5°	0.0	0.0	0.1	0.6	1.2	1.7	2.1	2.1	2.1	2.1	2.1
75°	0.0	0.0	0.2	0.7	1.2	1.8	2.1	2.1	2.1	2.1	2.1
72.5°	0.0	0.0	0.1	0.6	1.3	1.8	2.1	2.1	2.1	2.1	2.1
70°	0.0	0.0	0.1	0.1	0.1	0.6	1.2	1.7	2.0	2.1	2.1
67.5°	0.0	0.0	0.4	0.9	1.1	1.1	1.0	1.1	1.6	2.1	2.1
65°	0.5	0.4	0.5	1.0	1.6	2.1	2.2	1.9	1.9	2.2	2.1
62.5°	1.7	2.1	1.9	1.8	1.9	2.6	2.7	2.8	2.6	3.2	4.8
60°	6.8	3.4	7.5	8.8	6.9	6.8	11.8	11.1	4.3	15.7	19.0
57.5°	45.9	42.3	60.7	58.9	35.1	50.3	60.1	40.3	28.0	44.6	53.7
55°	200.6	196.1	191.0	179.9	165.0	153.7	151.5	151.2	120.1	87.0	98.7
52.5°	439.6	391.3	356.8	340.0	315.9	279.5	250.3	244.5	237.1	196.2	162.1
50°	564.7	556.0	518.7	461.3	455.9	419.4	368.5	333.4	328.9	300.9	249.3
47.5°	811.3	811.3	734.7	664.8	644.4	612.6	548.3	453.5	444.9	421.0	363.4
45°	1314.6	1223.2	1180.6	1046.0	899.7	843.3	789.7	675.7	582.6	546.0	505.5
42.5°	1781.2	1645.4	1533.1	1398.2	1237.1	1096.0	995.3	870.1	757.7	679.8	621.8
40°	2217.7	1998.9	1843.3	1673.4	1498.2	1323.5	1198.8	1041.4	913.2	808.8	747.3
37.5°	2763.5	2462.5	2289.8	2025.5	1804.4	1623.9	1464.2	1263.9	1057.9	972.9	896.7
35°	3566.7	3210.3	3008.3	2686.7	2239.9	2080.0	1872.0	1572.1	1311.4	1165.8	1071.7
32.5°	5007.5	4474.9	4103.0	3673.6	3081.9	2661.1	2384.6	2051.0	1633.4	1423.9	1267.8
30°	6471.1	5750.8	5230.0	4793.8	4007.6	3387.3	2960.6	2488.5	2038.4	1698.1	1486.2
27.5°	7462.4	6754.7	6105.9	5479.4	4842.6	4122.4	3483.4	2877.1	2385.1	2004.6	1730.7
25°	8332.2	7531.7	6801.1	6122.2	5441.7	4741.8	3967.9	3286.6	2708.9	2273.7	1916.2
22.5°	9193.4	8342.1	7514.1	6724.5	6034.0	5285.3	4467.6	3683.7	3019.8	2569.0	2139.4
20°	10169.5	9189.3	8233.5	7487.1	6700.9	5846.8	4937.5	4190.1	3539.6	2921.9	2383.6
17.5°	11566.6	10256.7	9378.8	8537.9	7516.5	6472.7	5683.3	4899.7	4098.7	3294.8	2639.7
15°	13459.1	12105.9	11099.9	9947.7	8545.0	7467.2	6599.2	5647.6	4698.8	3736.1	2944.6
12.5°	15709.0	14067.3	12882.4	11242.0	9663.4	8497.6	7515.8	6450.8	5285.2	4135.2	3228.2
10°	17124.9	15355.1	13667.8	12092.4	10651.8	9451.2	8218.3	6917.8	5621.4	4436.2	3473.4
7.5°	17877.0	15990.8	14249.3	12674.1	11204.3	9814.4	8501.2	7191.6	5891.7	4671.3	3680.8
5°	18376.9	16462.6	14644.0	12960.1	11457.2	10058.2	8712.6	7377.0	6095.1	4844.7	3850.3
2.5°	18745.6	16769.7	14897.3	13126.2	11598.2	10205.2	8846.9	7485.1	6201.3	4937.6	3909.3
0°	18928.2	16867.0	14990.1	13236.7	11663.6	10237.1	8898.5	7524.4	6225.6	4977.1	3933.9
-2.5°	18891.6	16805.4	14911.0	13233.3	11667.9	10207.4	8905.5	7545.6	6232.3	5006.7	3951.3
-5°	18697.2	16700.7	14820.5	13140.5	11598.7	10137.0	8835.6	7499.4	6183.4	4983.2	3934.8
-7.5°	18303.6	16386.0	14562.2	12927.6	11421.1	9991.7	8693.9	7386.2	6084.4	4901.9	3885.7
-10°	17711.8	15883.3	14148.6	12601.9	11134.1	9754.1	8483.6	7194.8	5921.0	4768.4	3800.6
-12.5°	16979.2	15252.7	13598.8	12159.1	10757.8	9440.0	8198.9	6925.1	5693.8	4582.9	3679.3
-15°	16083.8	14534.3	13038.7	11642.5	10317.3	9041.3	7829.1	6589.2	5405.0	4344.2	3521.8
-17.5°	15175.7	13737.4	12334.1	11009.4	9780.9	8569.1	7393.5	6215.8	5082.7	4086.7	3337.4
-20°	14165.0	12836.5	11538.7	10336.8	9191.6	8040.6	6907.8	5775.1	4713.6	3845.7	3174.2



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13067.8	11881.5	10706.4	9622.5	8550.8	7447.6	6363.3	5294.1	4287.1	3575.4	2989.2
-25°	11957.1	10879.5	9826.5	8828.9	7824.1	6782.2	5780.5	4804.3	3971.7	3320.3	2789.4
-27.5°	10841.8	9866.2	8894.5	7972.4	7026.4	6108.5	5193.1	4308.2	3630.2	3076.3	2603.1
-30°	9739.4	8858.0	7968.7	7088.3	6232.3	5394.1	4575.7	3905.4	3316.1	2815.6	2394.8
-32.5°	8603.8	7837.0	7026.8	6201.4	5424.4	4684.3	4062.6	3497.8	2988.3	2575.4	2209.4
-35°	7499.4	6794.0	6048.4	5339.3	4651.6	4097.3	3570.8	3108.9	2701.5	2335.8	2024.5
-37.5°	6371.7	5735.0	5118.7	4524.2	4033.2	3564.4	3148.0	2770.9	2418.9	2128.0	1860.0
-40°	5309.2	4754.9	4312.1	3874.7	3485.4	3110.9	2782.1	2458.0	2186.2	1930.3	1699.5
-42.5°	4399.6	4010.6	3654.6	3324.6	3005.3	2728.8	2451.3	2199.1	1961.9	1747.4	1555.7
-45°	3664.1	3386.2	3096.7	2854.4	2607.8	2387.4	2165.7	1958.0	1758.7	1583.7	1413.7
-47.5°	3081.7	2874.9	2656.9	2462.4	2277.8	2088.8	1916.1	1737.0	1582.4	1426.7	1284.9
-50°	2606.4	2453.5	2294.0	2136.7	1991.6	1837.3	1694.1	1553.2	1417.2	1287.9	1158.9
-52.5°	2214.6	2103.9	1985.9	1860.7	1745.2	1625.0	1499.9	1386.6	1269.4	1155.5	1042.7
-55°	1904.0	1815.7	1726.2	1631.6	1535.2	1436.7	1334.5	1232.7	1131.8	1028.1	942.9
-57.5°	1648.9	1574.5	1503.4	1428.3	1349.6	1266.2	1179.2	1088.2	1005.7	927.3	849.9
-60°	1425.4	1362.8	1305.9	1245.4	1181.1	1108.9	1037.9	966.4	894.9	826.8	760.5
-62.5°	1223.4	1179.0	1127.8	1076.2	1025.4	972.1	908.4	845.4	784.8	726.3	671.6
-65°	1027.7	989.8	950.1	913.2	872.4	827.1	773.1	723.8	676.3	628.1	582.8
-67.5°	854.4	825.2	793.5	760.5	728.1	691.7	652.0	611.1	572.9	533.5	499.7
-70°	711.7	690.5	665.7	636.4	606.9	577.2	546.8	514.6	479.9	444.5	417.3
-72.5°	592.8	577.2	557.9	533.5	507.4	481.3	454.4	425.8	395.2	362.4	336.3
-75°	489.5	478.0	463.2	441.6	418.6	394.2	370.5	344.5	314.8	281.1	254.7
-77.5°	393.3	385.9	376.5	358.8	340.8	322.8	301.9	271.5	241.4	212.8	193.3
-80°	294.9	291.7	286.1	271.3	256.2	240.8	224.0	200.9	178.8	158.2	142.3
-82.5°	194.6	191.0	186.3	177.3	168.5	160.1	151.3	135.8	120.5	105.6	92.8
-85°	98.5	95.6	92.7	91.2	89.5	87.4	84.8	75.9	67.3	59.2	52.1
-87.5°	28.5	28.5	28.5	28.8	29.0	29.1	29.1	27.0	24.8	22.7	20.7
-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: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-727-U-WR-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°	1.4	1.3	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7	0.6
85°	2.1	2.1	2.1	2.1	2.1	2.1	1.9	1.8	1.6	1.4	1.3
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.9
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.1	2.1	2.1
67.5°	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.6	2.7	2.1	2.1
65°	2.1	2.1	2.2	3.1	2.9	2.1	2.1	4.0	3.4	3.0	2.1
62.5°	4.1	2.1	5.4	7.3	4.7	3.8	3.1	8.7	5.6	4.0	2.9
60°	9.5	7.8	14.6	22.3	16.1	6.3	9.2	15.0	13.9	5.1	4.0
57.5°	48.5	22.2	32.7	42.6	40.6	22.8	18.5	25.7	23.4	13.7	5.4
55°	100.6	85.6	68.1	67.7	68.5	54.2	38.5	39.8	35.3	25.0	8.0
52.5°	152.8	148.2	131.9	107.5	98.7	89.2	73.0	56.4	52.3	37.4	19.7
50°	218.0	206.0	193.2	168.1	136.2	123.7	107.1	86.1	71.2	52.3	32.6
47.5°	292.4	271.6	252.2	228.0	193.1	160.2	141.6	116.8	92.0	71.8	45.6
45°	408.5	341.1	314.8	286.8	251.0	209.9	177.6	147.1	119.2	91.3	58.7
42.5°	527.8	434.0	379.1	347.4	309.9	263.6	215.0	180.8	146.0	110.9	74.2
40°	647.9	531.8	448.5	409.0	370.9	317.2	262.7	215.9	172.2	131.1	91.1
37.5°	777.6	641.2	528.5	473.0	432.8	374.9	311.2	251.9	199.2	153.1	107.8
35°	939.1	770.9	615.6	547.1	493.1	433.7	359.0	290.9	231.4	175.2	124.3
32.5°	1120.7	914.1	740.5	627.8	554.3	493.6	410.1	334.9	264.4	197.3	140.4
30°	1301.2	1061.6	858.9	707.8	619.5	549.7	464.5	379.2	298.2	219.4	156.9
27.5°	1439.0	1188.8	969.8	803.8	691.5	605.5	518.7	423.6	332.5	243.7	174.9
25°	1579.8	1306.6	1077.4	897.9	762.2	662.4	570.8	468.1	369.0	271.6	192.6
22.5°	1744.3	1418.5	1168.2	982.8	837.0	720.2	620.5	513.2	405.9	299.3	209.7
20°	1905.1	1521.6	1251.7	1082.0	918.8	784.8	669.3	556.1	442.0	326.5	226.3
17.5°	2070.0	1666.5	1390.3	1184.7	1003.2	848.6	717.5	596.9	477.1	353.0	242.2
15°	2318.5	1860.2	1530.1	1286.1	1084.9	911.1	764.6	635.2	510.9	378.6	256.4
12.5°	2552.7	2042.5	1665.6	1385.1	1163.3	971.7	810.4	671.2	543.2	399.8	268.2
10°	2759.7	2212.2	1795.5	1480.7	1237.7	1029.9	854.3	699.4	562.3	416.8	278.7
7.5°	2939.9	2368.0	1918.0	1571.6	1301.3	1069.3	876.6	714.2	576.9	431.7	288.0
5°	3077.7	2473.9	1985.3	1607.9	1325.1	1087.3	892.6	726.1	588.5	444.4	296.0
2.5°	3123.2	2509.2	2011.9	1628.5	1342.5	1100.2	904.8	735.2	597.2	454.8	302.6
0°	3144.2	2526.3	2025.6	1640.2	1353.2	1108.1	913.3	741.5	603.3	462.9	307.9
-2.5°	3167.3	2549.5	2044.9	1658.4	1364.5	1118.9	922.3	751.3	612.0	472.0	316.8
-5°	3165.7	2553.9	2051.1	1667.2	1368.9	1124.7	927.4	758.3	618.3	478.6	324.2
-7.5°	3132.2	2534.1	2043.2	1665.5	1366.5	1125.4	928.9	762.5	622.2	482.8	330.0
-10°	3072.4	2493.0	2020.2	1650.4	1357.4	1120.5	926.6	763.7	623.7	484.6	334.2
-12.5°	2988.1	2434.5	1983.1	1625.7	1341.3	1110.0	919.8	760.2	622.8	484.0	336.6
-15°	2879.8	2359.2	1932.0	1591.6	1318.0	1094.4	908.9	752.8	617.3	480.5	337.1
-17.5°	2748.8	2267.7	1866.7	1548.0	1287.4	1073.7	894.0	742.6	610.0	474.3	336.4
-20°	2627.2	2171.4	1791.4	1495.2	1249.6	1047.9	874.9	729.6	600.8	466.6	334.8

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2491.3	2071.4	1724.7	1444.6	1209.7	1017.1	851.7	713.7	589.8	457.4	331.8
-25°	2335.8	1958.0	1648.4	1388.2	1170.8	987.7	827.9	695.2	577.3	446.9	327.4
-27.5°	2189.7	1841.2	1563.0	1323.1	1125.8	953.8	804.3	678.0	562.8	435.2	321.6
-30°	2040.5	1739.3	1481.0	1255.0	1076.3	916.0	777.8	659.5	546.4	425.0	314.4
-32.5°	1888.9	1628.4	1393.2	1196.0	1028.3	875.4	748.9	639.8	529.4	414.8	308.5
-35°	1758.6	1519.2	1299.0	1132.5	979.1	840.8	720.1	618.8	511.7	403.3	302.1
-37.5°	1620.0	1408.4	1225.6	1069.5	926.4	803.0	692.4	594.1	493.6	390.5	294.3
-40°	1495.8	1305.1	1146.7	1008.5	878.9	762.2	661.5	567.7	476.7	376.4	285.2
-42.5°	1369.4	1211.2	1069.7	942.9	831.2	724.7	627.9	539.6	454.8	363.3	274.8
-45°	1258.7	1115.1	990.0	883.3	781.4	683.9	595.1	510.4	431.2	349.9	263.9
-47.5°	1144.3	1022.3	915.6	821.1	732.3	641.6	560.4	483.4	406.9	334.8	252.8
-50°	1037.6	934.5	845.7	761.1	678.2	601.9	525.8	455.5	384.7	315.1	240.4
-52.5°	942.6	856.7	777.7	700.7	629.5	560.6	494.7	427.2	361.6	295.6	226.5
-55°	858.7	782.2	711.1	644.4	580.7	523.7	463.0	400.6	337.5	275.4	211.8
-57.5°	778.4	709.5	649.0	589.7	535.4	485.8	432.0	373.0	313.2	254.1	198.7
-60°	697.6	642.1	588.3	538.6	491.6	446.7	400.9	344.6	288.0	232.3	182.8
-62.5°	620.2	573.7	532.3	488.5	445.5	406.0	368.9	315.2	261.8	210.8	165.2
-65°	544.2	508.6	475.3	434.1	396.7	363.7	332.9	284.7	234.2	187.9	146.9
-67.5°	469.0	439.7	409.8	376.5	348.7	321.8	294.5	250.9	205.0	163.7	128.3
-70°	393.1	368.2	346.9	325.7	302.7	278.9	251.7	214.5	174.4	140.7	109.1
-72.5°	318.7	303.5	290.7	275.8	256.3	233.8	208.2	177.9	146.7	117.2	89.3
-75°	245.4	242.3	238.5	228.8	210.1	189.0	168.4	145.1	118.3	92.9	72.8
-77.5°	193.3	192.0	189.4	182.6	166.2	149.1	131.2	111.6	91.3	73.8	57.2
-80°	143.2	143.0	141.8	137.6	123.6	109.0	96.6	84.1	69.2	54.9	41.3
-82.5°	94.1	95.5	96.2	94.9	85.4	76.1	67.1	58.2	46.7	35.7	27.6
-85°	53.7	54.7	55.0	54.4	48.5	42.9	39.1	35.3	29.1	23.5	18.5
-87.5°	22.3	23.6	24.6	25.2	23.4	21.5	19.6	17.7	14.6	11.8	9.3
-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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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-U-WR-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°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
82.5°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
80°	2.1	1.8	1.5	1.1	0.7	0.4	0.0
77.5°	2.1	2.1	1.8	1.4	0.9	0.5	0.0
75°	2.1	2.1	2.1	1.6	1.1	0.5	0.0
72.5°	2.1	2.1	2.1	1.9	1.3	0.6	0.0
70°	2.1	2.1	2.1	2.1	1.4	0.7	0.0
67.5°	2.3	2.1	2.1	2.1	1.6	0.8	0.0
65°	2.5	2.3	2.1	2.1	1.8	0.9	0.0
62.5°	2.9	2.8	2.1	2.1	1.9	1.0	0.0
60°	3.3	3.4	2.1	2.1	2.1	1.0	0.0
57.5°	5.7	4.0	2.7	2.1	2.1	1.1	0.0
55°	8.7	4.6	3.3	2.1	2.2	1.2	0.0
52.5°	12.1	5.8	4.0	2.1	2.2	1.3	0.0
50°	16.0	9.4	4.7	2.1	2.2	1.3	0.0
47.5°	21.3	13.3	5.4	2.2	2.3	1.4	0.0
45°	32.7	17.4	6.2	2.8	2.4	1.5	0.0
42.5°	44.0	21.8	7.0	3.4	2.4	1.5	0.0
40°	55.2	26.4	9.2	4.1	2.5	1.6	0.0
37.5°	66.3	31.2	12.7	5.0	2.6	1.7	0.0
35°	77.4	38.7	16.4	6.0	2.7	1.7	0.0
32.5°	89.1	47.5	20.0	7.1	2.8	1.8	0.0
30°	102.2	56.0	23.7	8.2	2.9	1.8	0.0
27.5°	114.9	64.2	28.0	9.4	3.0	1.9	0.0
25°	127.1	72.2	32.2	10.6	3.1	1.9	0.0
22.5°	138.8	79.9	36.3	11.9	3.2	1.9	0.0
20°	150.0	87.5	40.2	13.2	3.3	2.0	0.0
17.5°	160.4	94.6	44.1	14.5	3.4	2.0	0.0
15°	169.9	101.2	47.7	15.9	3.5	2.0	0.0
12.5°	178.6	107.4	51.2	17.2	3.7	2.1	0.0
10°	186.5	113.0	54.4	18.5	3.8	2.1	0.0
7.5°	193.6	118.1	57.5	19.7	3.9	2.1	0.0
5°	199.8	122.6	60.2	20.9	4.0	2.1	0.0
2.5°	205.1	126.6	62.7	22.0	4.1	2.1	0.0
0°	209.5	129.9	64.9	23.0	4.2	2.1	0.0
-2.5°	215.2	134.0	67.9	24.5	4.8	2.2	0.0
-5°	219.9	137.4	70.5	25.8	5.5	2.4	0.0
-7.5°	223.7	140.2	72.7	27.0	6.1	2.5	0.0
-10°	226.3	142.3	74.5	28.1	6.7	2.6	0.0
-12.5°	227.9	143.7	75.9	29.0	7.2	2.7	0.0
-15°	228.4	144.3	76.8	29.7	7.7	2.8	0.0
-17.5°	227.7	144.2	77.3	30.3	8.2	2.9	0.0
-20°	227.1	143.4	77.2	30.7	8.6	3.0	0.0

Classified

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627682 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	227.2	141.8	76.5	30.9	9.0	3.1	0.0
-25°	226.2	141.3	75.4	30.9	9.4	3.1	0.0
-27.5°	224.0	140.7	73.6	30.7	9.6	3.2	0.0
-30°	220.7	139.2	71.5	30.3	9.9	3.2	0.0
-32.5°	216.3	136.8	70.6	29.6	10.0	3.2	0.0
-35°	212.0	133.5	69.2	28.8	10.1	3.2	0.0
-37.5°	207.2	129.9	67.1	27.7	10.2	3.2	0.0
-40°	201.2	126.8	64.4	26.4	10.1	3.2	0.0
-42.5°	194.1	122.8	62.5	25.2	10.0	3.1	0.0
-45°	185.8	118.0	61.3	24.2	9.9	3.1	0.0
-47.5°	176.4	112.4	59.4	22.9	9.7	3.0	0.0
-50°	168.2	106.1	56.9	22.5	9.4	2.9	0.0
-52.5°	159.4	98.9	53.8	22.2	9.0	2.8	0.0
-55°	149.5	93.1	50.1	21.6	8.6	2.7	0.0
-57.5°	138.8	86.8	45.8	20.7	8.1	2.6	0.0
-60°	127.3	79.6	41.1	19.6	7.6	2.4	0.0
-62.5°	116.1	71.6	38.2	18.2	7.1	2.3	0.0
-65°	103.9	62.9	34.9	16.6	6.6	2.1	0.0
-67.5°	90.6	55.0	31.2	14.7	6.1	1.9	0.0
-70°	76.4	48.3	27.2	12.7	5.5	1.7	0.0
-72.5°	64.9	40.9	22.8	11.2	4.9	1.5	0.0
-75°	53.3	33.2	18.1	9.8	4.2	1.3	0.0
-77.5°	41.1	25.0	15.0	8.3	3.6	1.1	0.0
-80°	28.4	19.1	12.1	6.7	2.9	0.9	0.0
-82.5°	20.9	14.4	9.2	5.1	2.2	0.7	0.0
-85°	14.0	9.7	6.1	3.4	1.5	0.5	0.0
-87.5°	7.0	4.9	3.1	1.7	0.7	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)