

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5D-735-U-VWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

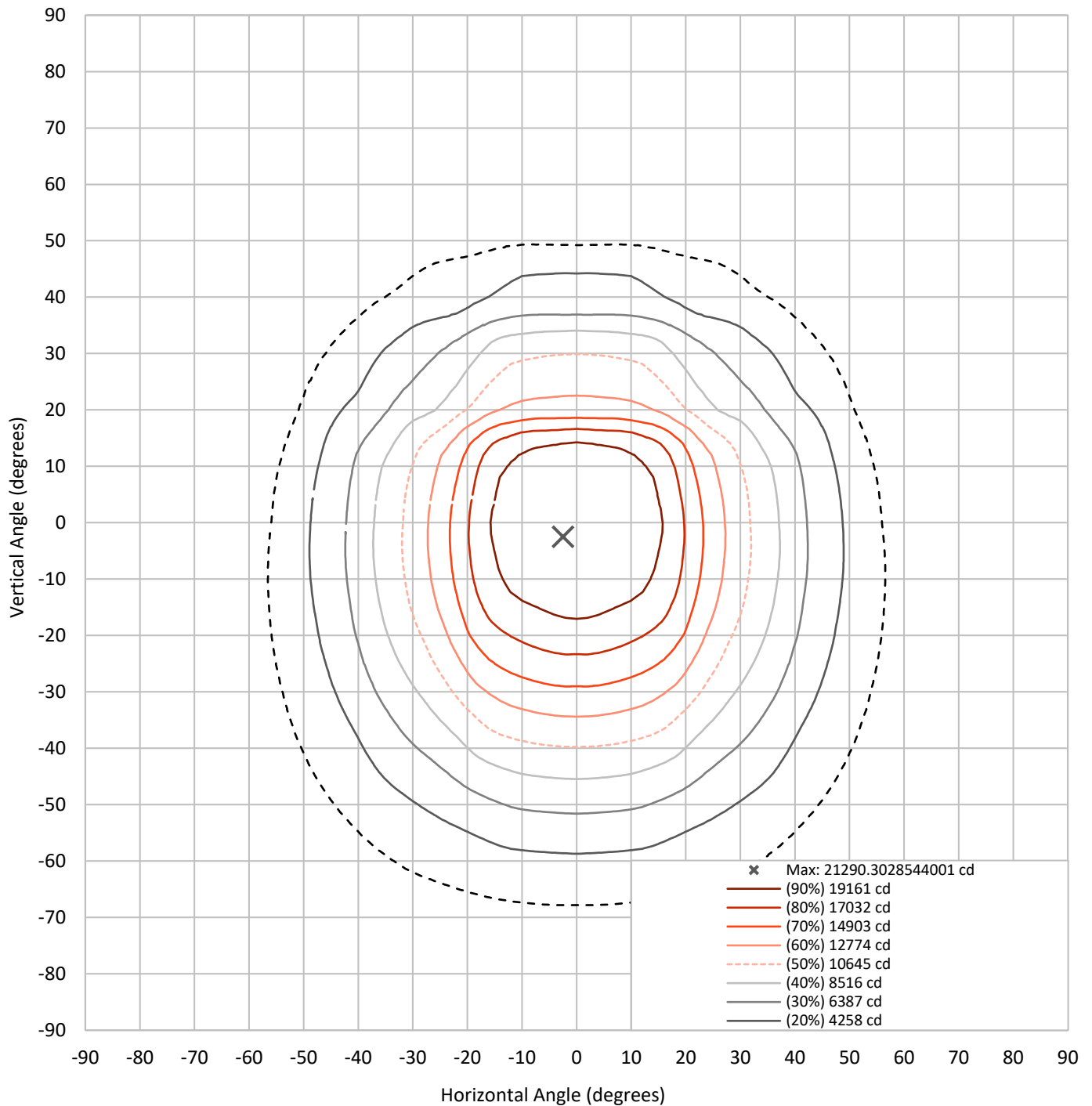
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	28412.5 lumens	Max Intensity:	21290.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	104.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	16438.6 lumens	Field Lumens:	26961.7 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
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: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

Iso-Candela Plot





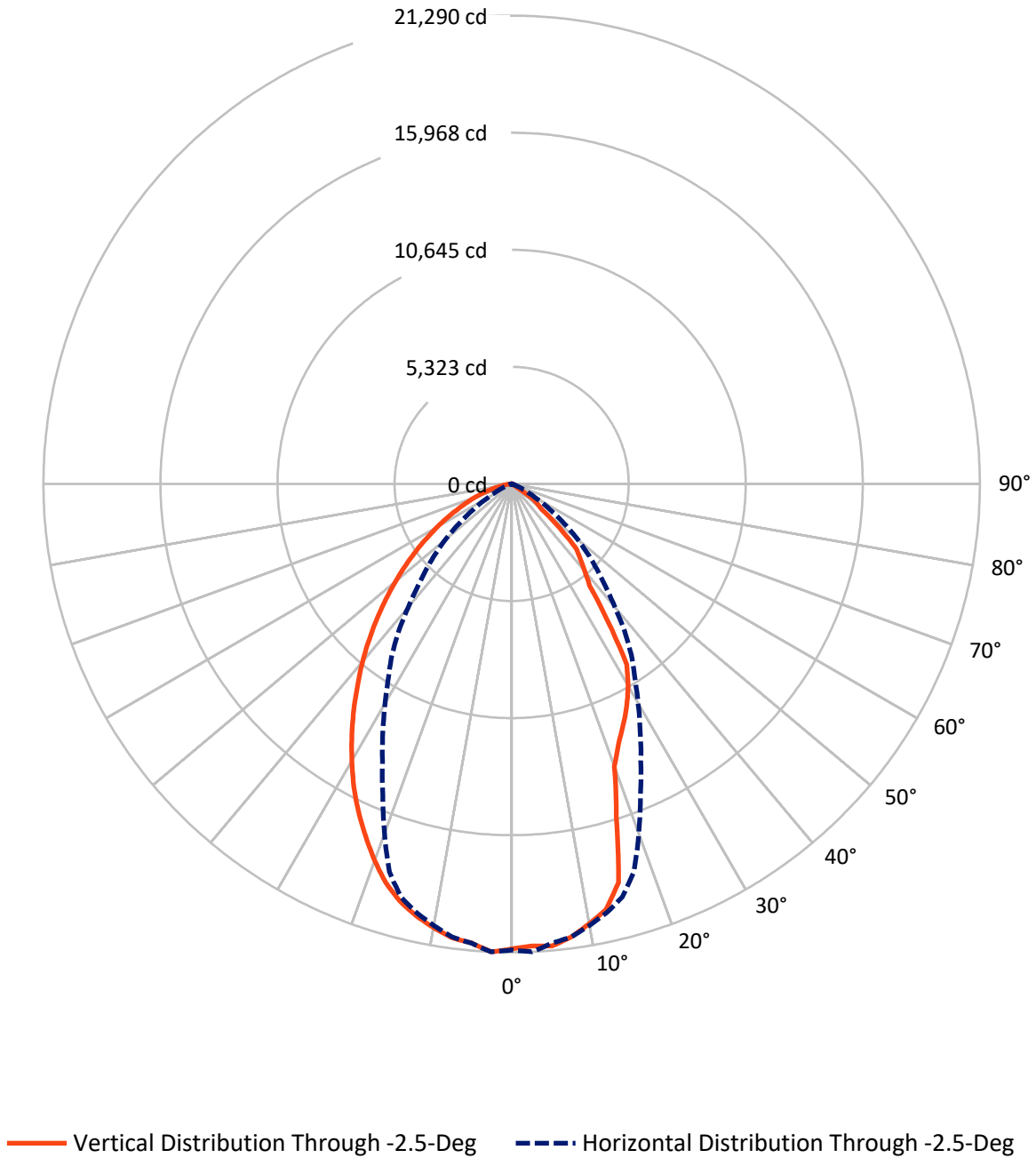
REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

Lumen Table

90																			
80	0.1	0.2		0.2		0.3		0.4		0.3		0.2		0.2		0.1			
70																			
60	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.2			
50		0.3	0.6	2.6	7.7	14.9	22.1	27.6	27.6	22.1	14.9	7.7	2.6	0.6	0.3				
40	0.5	0.5	3.2	14.6	35.2	63.4	93.7	114.7	114.7	93.7	63.4	35.2	14.6	3.2	0.5	0.5			
30		1.4	10.5	36.9	82.3	133.5	200.2	234.0	234.0	200.2	133.5	82.3	36.9	10.5	1.4				
20	0.9	3.1	20.5	65.4	132.7	210.4	315.5	362.7	362.7	315.5	210.4	132.7	65.4	20.5	3.1	0.9			
10		5.4	31.4	96.8	191.1	314.6	468.3	537.1	537.1	468.3	314.6	191.1	96.8	31.4	5.4				
0	1.4	7.3	40.7	114.9	228.6	375.9	553.0	627.5	627.5	553.0	375.9	228.6	114.9	40.7	7.3	1.4			
-10		8.7	44.9	119.4	234.7	384.5	557.1	629.9	629.9	557.1	384.5	234.7	119.4	44.9	8.7				
-20	1.8	9.1	43.9	113.0	221.3	360.0	517.0	584.2	584.2	517.0	360.0	221.3	113.0	43.9	9.1	1.8			
-30		8.3	38.4	98.6	191.2	306.1	433.4	490.9	490.9	433.4	306.1	191.2	98.6	38.4	8.3				
-40	1.8	6.9	30.6	77.5	150.4	236.1	331.0	374.8	374.8	331.0	236.1	150.4	77.5	30.6	6.9	1.8			
-50		5.6	22.6	55.3	107.7	166.0	229.1	260.0	260.0	229.1	166.0	107.7	55.3	22.6	5.6				
-60	1.4	4.2	14.8	35.5	67.0	103.1	140.0	159.7	159.7	140.0	103.1	67.0	35.5	14.8	4.2	1.4			
-70		2.9	9.0	20.7	36.8	54.7	72.4	82.0	82.0	72.4	54.7	36.8	20.7	9.0	2.9				
-80	0.5	6.6		30.6		66.8		74.6		66.8		30.6		6.6		0.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

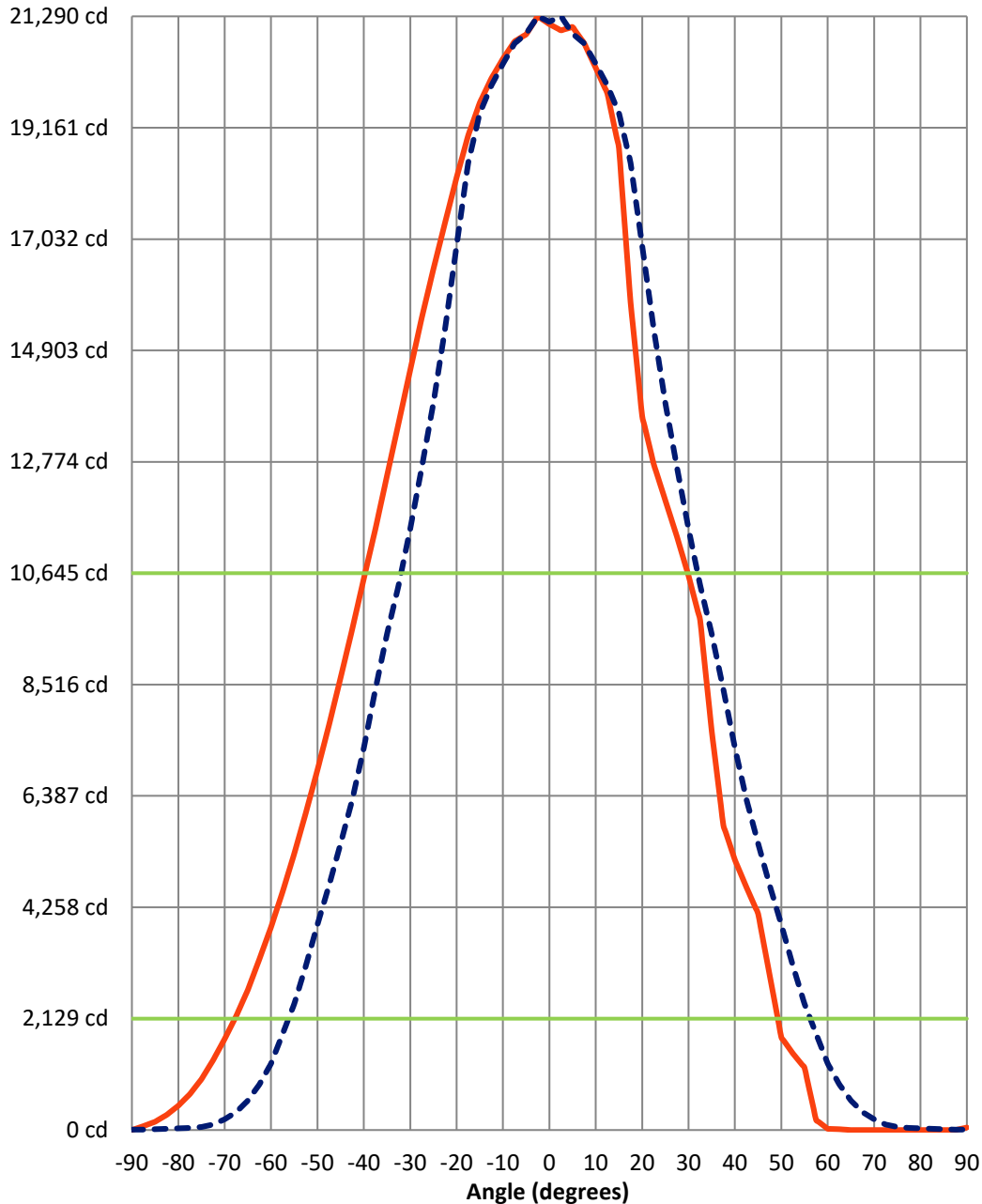
REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

Luminous Intensity Polar Plot



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 16438.6
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 26961.7
 Efficiency: 94.9%

Spill:
 Lumens: 1450.8
 Efficiency: 5.1%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-Deg

Classified

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

Scaled Data Report



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.9	7.9	7.9	9.9	11.9	13.9	15.9	17.9	19.9	21.8	23.8
87.5°	7.9	7.9	7.9	7.6	7.2	6.6	5.9	4.2	2.6	1.2	0.0
85°	7.9	7.9	7.9	7.4	6.5	5.4	3.8	2.4	1.3	0.5	0.0
82.5°	7.9	7.9	7.9	7.1	5.9	4.1	1.9	0.6	0.2	1.1	2.1
80°	7.9	7.9	7.9	6.9	5.3	2.9	0.4	1.6	2.9	4.1	5.4
77.5°	7.9	7.9	7.9	6.7	4.7	2.6	2.4	3.9	5.5	7.1	7.2
75°	7.9	7.9	7.9	6.5	4.3	3.9	4.4	6.2	7.8	6.4	4.2
72.5°	7.9	7.9	7.9	6.4	5.0	5.1	6.3	7.8	6.7	4.6	1.4
70°	7.9	7.9	7.9	6.3	5.7	6.3	7.9	7.5	5.8	3.0	3.6
67.5°	7.9	7.9	7.9	6.6	6.3	7.4	8.1	7.3	5.1	6.1	7.1
65°	7.9	7.9	7.9	6.9	6.9	8.2	8.5	7.2	7.9	9.2	9.8
62.5°	7.9	7.9	7.9	7.1	7.4	8.8	8.9	8.9	10.7	12.0	10.9
60°	7.9	7.9	7.9	7.3	7.9	9.5	9.4	11.4	13.4	13.8	12.4
57.5°	7.9	7.9	8.0	7.5	8.6	10.3	11.3	13.7	15.7	15.9	15.5
55°	7.9	7.9	8.1	7.6	9.5	11.1	13.3	16.1	18.1	18.4	19.3
52.5°	7.9	7.9	8.3	7.8	10.3	12.1	15.3	18.4	20.7	21.8	23.1
50°	7.9	7.9	8.4	7.9	11.2	13.8	17.2	20.6	23.5	25.2	26.8
47.5°	7.9	7.9	8.6	8.1	12.1	15.4	19.1	22.9	26.5	28.6	30.5
45°	7.9	7.9	8.9	8.8	13.1	16.9	21.0	25.0	29.3	31.9	34.2
42.5°	7.9	7.9	9.1	9.6	14.1	18.4	22.8	27.5	32.3	35.2	41.5
40°	7.9	7.9	9.4	10.5	15.2	19.9	24.6	30.2	35.4	38.5	49.6
37.5°	7.9	7.9	9.7	11.6	16.3	21.3	26.3	33.0	38.7	43.7	57.8
35°	7.9	7.9	10.1	12.6	17.4	22.7	28.0	35.9	42.2	53.8	73.5
32.5°	7.9	7.9	10.4	13.6	18.5	24.0	29.8	38.8	45.9	65.5	104.9
30°	7.9	7.9	10.8	14.6	19.5	25.3	32.2	41.9	49.6	78.9	135.4
27.5°	7.9	7.9	11.2	15.6	20.7	26.5	34.6	45.0	56.2	93.8	165.0
25°	7.9	7.9	11.6	16.5	22.0	27.7	36.9	48.1	67.7	115.6	193.9
22.5°	7.9	7.9	12.1	17.4	23.2	29.0	39.2	51.2	79.9	139.5	232.2
20°	7.9	7.9	12.5	18.3	24.3	30.4	41.5	54.3	92.4	162.2	270.2
17.5°	7.9	7.9	13.0	19.1	25.5	31.8	43.8	57.4	105.3	183.6	307.5
15°	7.9	7.9	13.4	19.9	26.5	33.1	46.0	61.4	118.1	203.6	343.8
12.5°	7.9	7.9	13.9	20.7	27.5	34.4	48.0	67.0	132.5	222.1	378.6
10°	7.9	7.9	14.3	21.4	28.5	35.6	49.9	72.7	147.6	243.8	413.5
7.5°	7.9	7.9	14.7	22.0	29.4	36.7	51.6	78.6	162.0	264.8	450.1
5°	7.9	7.9	15.1	22.7	30.3	37.8	53.1	84.5	175.5	284.3	483.9
2.5°	7.9	7.9	15.5	23.3	31.1	38.8	54.4	90.1	187.8	302.1	514.1
0°	7.9	7.9	15.9	23.8	31.8	39.7	55.6	95.4	198.7	317.9	540.4
-2.5°	7.9	7.9	15.9	23.8	31.8	39.7	55.6	95.4	198.7	317.9	540.4
-5°	7.9	7.9	15.8	23.7	33.0	41.3	61.5	114.0	212.9	365.0	583.5
-7.5°	7.9	7.9	15.8	23.6	33.5	42.0	64.0	121.8	217.9	383.0	598.6
-10°	7.9	7.9	15.7	23.4	33.9	42.6	66.1	128.2	221.6	396.0	609.8
-12.5°	7.9	7.9	15.5	23.2	34.2	43.1	67.6	132.9	224.1	402.8	618.4
-15°	7.9	7.9	15.4	23.0	34.3	43.6	68.6	135.9	228.8	402.0	621.6
-17.5°	7.9	7.9	15.2	22.7	34.2	43.9	69.0	138.8	235.6	398.0	617.8
-20°	7.9	7.9	14.9	22.4	34.0	44.2	70.7	141.6	240.1	390.7	606.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	7.9	14.7	22.0	33.6	44.4	75.3	142.9	242.0	380.2	587.2
-25°	7.9	7.9	14.4	21.6	33.0	47.3	79.0	142.4	241.3	366.8	559.7
-27.5°	7.9	7.9	14.1	21.1	32.2	51.0	81.9	140.3	237.9	355.3	539.6
-30°	7.9	7.9	13.8	20.6	31.4	54.2	83.9	136.4	233.5	350.1	517.0
-32.5°	7.9	7.9	13.4	20.1	32.5	56.8	84.9	136.6	227.8	341.4	491.5
-35°	7.9	7.9	13.0	19.5	33.4	58.8	87.2	137.3	219.9	329.0	463.2
-37.5°	7.9	7.9	12.6	18.9	33.9	60.1	89.5	136.8	209.7	313.1	450.5
-40°	7.9	7.9	12.2	18.2	34.2	60.6	90.9	135.0	197.3	297.8	436.4
-42.5°	7.9	7.9	11.7	17.9	34.4	60.6	91.4	131.9	190.3	285.4	414.7
-45°	7.9	7.9	11.2	18.0	34.6	60.2	91.0	129.1	185.1	270.3	387.6
-47.5°	7.9	7.9	10.7	17.9	34.4	59.3	89.6	127.2	178.5	252.0	366.1
-50°	7.9	7.9	10.2	17.6	33.7	57.9	87.7	124.1	173.2	245.5	340.6
-52.5°	7.9	7.9	9.6	17.3	32.7	56.1	85.3	119.7	168.8	236.8	313.2
-55°	7.9	7.9	9.1	16.8	31.3	53.8	82.2	114.2	163.2	226.1	300.1
-57.5°	7.9	7.9	8.5	16.2	29.6	50.9	78.6	109.5	155.5	214.8	284.7
-60°	7.9	7.9	7.9	15.5	27.5	47.4	74.2	104.1	145.8	201.3	266.8
-62.5°	7.9	7.9	7.9	14.6	26.0	43.4	68.2	97.0	133.7	185.5	246.0
-65°	7.9	7.9	7.9	13.6	24.3	38.9	61.5	87.8	119.1	164.6	222.4
-67.5°	7.9	7.9	7.9	12.6	22.4	35.0	54.1	77.1	102.2	140.1	191.1
-70°	7.9	7.9	7.9	11.4	20.3	31.8	46.1	65.7	87.5	113.0	154.5
-72.5°	7.9	7.9	7.9	11.2	18.1	28.3	40.7	53.8	72.2	93.7	118.3
-75°	7.9	7.9	7.9	11.1	15.8	24.7	35.4	45.3	56.2	73.8	94.0
-77.5°	7.9	7.9	7.9	10.9	15.0	20.8	29.9	38.1	46.7	55.9	69.0
-80°	7.9	7.9	7.9	10.8	14.4	18.7	24.2	30.7	37.6	45.1	53.1
-82.5°	7.9	7.9	7.9	10.6	13.9	17.6	21.8	24.9	28.3	34.0	40.0
-85°	7.9	7.9	7.9	10.4	13.2	16.4	19.9	22.6	25.2	27.9	30.5
-87.5°	7.9	7.9	7.9	10.2	12.6	15.2	17.9	20.2	22.6	24.9	27.2
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	5.9	3.9	2.0	0.0



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	25.8	27.8	29.8
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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.3	2.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.2	4.2	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.5	2.3	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.3	2.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.5	4.8	3.2	1.3	0.0	0.4	1.2	0.8	0.0	0.4	1.0
67.5°	7.4	5.5	3.6	2.2	3.0	4.0	3.7	4.0	4.3	4.7	4.0
65°	7.7	5.8	5.9	6.9	7.8	8.6	9.2	9.8	8.2	7.1	7.3
62.5°	8.2	8.9	10.3	11.6	12.7	13.8	13.9	12.3	9.4	11.7	13.5
60°	11.8	13.0	14.6	16.2	17.8	18.6	17.8	18.0	20.0	23.2	44.6
57.5°	15.9	17.0	18.9	21.5	23.6	24.0	24.7	26.9	63.0	102.8	113.6
55°	20.1	20.9	24.3	28.2	30.5	30.3	43.6	91.9	138.7	192.2	211.9
52.5°	24.2	25.9	31.6	36.3	39.3	61.3	110.4	176.0	245.1	306.5	385.7
50°	28.2	34.0	39.9	46.9	74.8	132.0	203.9	293.4	397.5	495.5	596.0
47.5°	35.3	42.5	51.6	74.0	147.5	226.9	326.3	470.3	598.7	717.3	855.0
45°	43.7	58.7	68.8	146.4	231.8	334.3	502.6	678.7	795.2	954.0	1197.7
42.5°	52.4	81.3	131.3	221.2	325.2	490.6	699.3	849.3	1004.3	1261.8	1518.0
40°	75.4	109.1	198.1	305.0	436.8	677.9	892.1	1062.0	1273.7	1559.1	1826.6
37.5°	103.3	166.5	266.2	394.4	611.9	876.2	1105.6	1348.2	1591.6	1860.7	2356.8
35°	134.3	219.7	352.5	525.5	787.1	1096.1	1369.5	1640.6	1921.1	2451.0	2943.3
32.5°	174.7	268.8	442.8	677.9	976.5	1315.6	1633.1	1946.4	2396.3	2995.9	3490.0
30°	218.2	347.5	546.6	819.0	1154.8	1516.7	1898.4	2277.8	2873.2	3369.4	3905.8
27.5°	263.6	430.8	668.4	966.4	1321.8	1706.4	2137.2	2678.4	3209.5	3699.8	4289.2
25°	310.3	517.5	779.8	1107.3	1486.0	1911.5	2407.0	3066.3	3481.7	4023.5	4638.3
22.5°	370.3	600.4	890.1	1235.0	1638.2	2122.2	2754.2	3416.2	3905.1	4360.8	4961.4
20°	439.7	693.8	1010.0	1395.1	1787.4	2328.1	3099.4	3795.7	4370.7	4892.5	5444.2
17.5°	504.5	781.1	1138.3	1558.5	2004.4	2591.9	3438.1	4208.7	4841.5	5423.0	6111.7
15°	564.5	861.9	1264.0	1713.2	2217.7	2894.1	3741.9	4588.1	5310.8	5965.0	6747.6
12.5°	619.3	935.7	1385.1	1857.9	2418.6	3154.7	3996.9	4822.9	5617.2	6469.7	7357.9
10°	668.7	1002.0	1499.4	1991.5	2604.8	3375.0	4207.6	5018.7	5820.0	6722.2	7709.1
7.5°	721.8	1064.1	1603.2	2113.0	2774.2	3557.0	4376.0	5175.8	5983.9	6924.2	7937.4
5°	770.8	1121.1	1685.7	2200.0	2905.2	3699.1	4502.6	5295.1	6108.4	7074.6	8110.2
2.5°	813.9	1169.1	1752.9	2268.3	3002.3	3803.6	4584.9	5394.5	6200.7	7197.0	8242.2
0°	850.4	1208.0	1804.1	2320.7	3075.7	3878.4	4633.4	5459.9	6254.7	7279.9	8329.0
-2.5°	873.8	1271.8	1839.3	2412.1	3139.8	3927.4	4676.8	5478.3	6312.8	7306.1	8426.4
-5°	890.2	1323.4	1860.5	2482.6	3181.8	3949.0	4691.1	5464.1	6328.3	7299.5	8440.8
-7.5°	899.7	1359.9	1870.5	2522.6	3196.5	3936.0	4666.9	5437.2	6302.9	7274.5	8377.7
-10°	905.3	1371.4	1883.9	2510.5	3177.1	3893.4	4613.1	5374.1	6230.8	7193.3	8257.8
-12.5°	920.2	1364.1	1881.6	2483.8	3135.3	3829.1	4533.4	5274.1	6110.7	7054.6	8092.0
-15°	924.0	1347.7	1859.0	2444.5	3071.4	3744.9	4429.0	5137.0	5962.6	6919.5	7908.7
-17.5°	915.6	1323.0	1814.9	2394.3	2985.8	3642.8	4306.1	5013.5	5823.7	6763.8	7716.2
-20°	894.3	1290.9	1748.4	2335.0	2884.3	3529.4	4183.1	4884.0	5663.9	6547.6	7500.8



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	859.5	1252.2	1676.5	2252.3	2796.6	3399.1	4038.8	4707.6	5463.7	6267.2	7211.2
-25°	823.5	1208.5	1619.8	2138.6	2691.2	3247.1	3873.0	4491.9	5228.5	6017.7	6855.3
-27.5°	789.4	1147.4	1560.9	2014.0	2567.0	3084.7	3685.6	4289.3	4964.0	5737.5	6508.7
-30°	744.8	1081.3	1488.9	1894.3	2418.5	2931.8	3476.6	4070.7	4677.5	5411.5	6170.3
-32.5°	705.4	1012.8	1407.0	1803.1	2258.9	2759.5	3251.2	3817.5	4409.7	5035.4	5785.2
-35°	679.1	972.2	1320.2	1697.7	2096.0	2572.2	3039.8	3531.8	4105.4	4692.6	5350.9
-37.5°	657.8	925.6	1228.8	1587.9	1967.0	2375.7	2813.5	3266.1	3766.6	4358.7	4977.6
-40°	624.2	873.1	1161.1	1483.2	1817.7	2189.3	2595.7	3005.4	3439.3	4017.7	4628.3
-42.5°	581.2	822.3	1097.3	1369.3	1674.9	2014.1	2375.3	2761.2	3178.2	3680.6	4241.9
-45°	548.1	757.3	1026.4	1270.0	1523.0	1833.2	2172.4	2521.9	2915.2	3346.5	3850.7
-47.5°	506.0	686.6	933.6	1161.3	1384.1	1648.9	1959.2	2290.0	2638.3	3027.0	3440.2
-50°	461.1	627.7	820.1	1041.7	1254.3	1474.5	1739.1	2045.0	2361.1	2699.8	3068.5
-52.5°	427.0	558.7	734.4	918.8	1121.4	1321.2	1546.4	1808.8	2091.1	2374.1	2698.4
-55°	388.4	508.0	652.7	818.1	990.6	1175.4	1380.5	1610.4	1840.4	2100.5	2359.3
-57.5°	361.2	459.1	584.6	728.3	883.2	1040.3	1233.9	1428.1	1641.2	1856.4	2071.1
-60°	340.0	416.9	521.0	647.6	785.7	932.5	1091.4	1270.8	1454.2	1629.9	1815.5
-62.5°	315.7	382.6	464.0	567.2	692.0	819.8	959.7	1113.4	1279.4	1427.3	1571.1
-65°	284.3	342.4	412.3	496.3	594.3	702.3	821.5	951.1	1094.5	1214.6	1332.1
-67.5°	248.2	297.2	355.8	424.4	506.1	590.4	677.9	787.5	903.9	1001.8	1097.6
-70°	202.9	248.2	296.0	352.0	416.1	487.5	564.6	644.0	723.8	803.7	891.3
-72.5°	155.3	196.5	237.1	277.0	328.1	386.6	449.4	516.1	585.7	654.1	720.6
-75°	118.4	145.1	180.6	216.6	252.0	290.1	332.6	385.7	450.3	516.7	577.5
-77.5°	89.4	111.8	135.5	160.2	182.6	210.7	241.4	274.4	327.7	388.9	450.8
-80°	64.5	78.0	96.8	116.7	132.4	147.9	164.0	180.7	220.4	269.7	322.4
-82.5°	47.9	57.1	67.5	79.1	87.0	94.7	103.3	114.3	143.8	177.1	212.3
-85°	32.9	35.7	41.3	47.7	52.2	56.7	61.3	66.0	81.8	99.6	118.7
-87.5°	28.4	29.8	31.3	32.9	33.5	34.0	34.5	35.0	40.4	46.0	51.8
-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: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	31.8	33.8	35.8	37.7	39.7	41.7	43.7	45.7	47.7	47.7	47.7
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°	0.7	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	3.6	4.0	4.1	3.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	8.3	8.0	5.9	3.8	1.9	3.0	4.8	5.7	5.8	5.2	4.0
62.5°	12.6	11.5	10.5	12.1	14.5	16.7	16.0	15.1	14.1	13.4	13.9
60°	47.0	31.4	36.2	45.5	42.5	29.1	47.8	54.2	46.1	31.6	30.5
57.5°	119.1	115.0	131.7	192.4	211.8	192.9	230.5	279.9	278.4	239.8	238.5
55°	253.8	340.5	445.2	462.2	535.0	681.1	794.7	744.9	744.6	782.0	902.8
52.5°	482.1	564.0	594.4	675.7	828.0	938.5	1009.6	1083.0	1163.6	1245.8	1329.1
50°	707.5	786.9	877.2	960.4	1171.2	1284.7	1265.7	1418.0	1612.9	1734.6	1797.1
47.5°	1037.7	1163.0	1353.6	1652.4	1809.7	1923.5	2064.9	2237.3	2460.6	2763.4	2996.6
45°	1426.6	1623.6	1918.6	2236.0	2480.1	2591.3	2753.1	3020.2	3376.2	3722.8	3975.9
42.5°	1744.5	2014.6	2347.4	2650.7	2849.8	3032.4	3242.0	3467.2	3875.0	4245.2	4537.8
40°	2159.2	2369.7	2743.0	3028.9	3207.1	3388.3	3720.3	4057.4	4440.9	4785.8	5025.5
37.5°	2685.0	2921.8	3310.2	3633.4	3805.1	3869.1	4433.8	4903.1	5214.7	5655.0	5799.1
35°	3249.7	3639.6	4134.4	4553.6	4721.9	5057.7	5639.5	6294.3	7003.8	7264.7	7487.2
32.5°	3879.8	4360.8	5032.2	5482.1	5722.2	6231.9	6968.1	7667.1	8594.8	9098.2	9248.8
30°	4456.2	5008.1	5585.3	6022.5	6433.0	7046.9	7718.3	8580.1	9437.9	10081.7	10281.6
27.5°	4879.3	5489.9	6044.8	6454.2	6917.5	7579.3	8416.5	9289.2	10131.3	10788.0	11021.4
25°	5283.0	5973.3	6412.6	6888.7	7432.7	8154.0	9081.7	10051.4	10880.8	11435.8	11722.0
22.5°	5742.3	6422.9	6894.5	7297.8	8009.0	8840.2	9701.4	10797.1	11675.8	12118.7	12428.9
20°	6216.3	6986.4	7714.9	8090.0	8705.4	9757.8	10721.8	11756.3	12604.8	13066.3	13393.2
17.5°	6877.8	7859.1	8752.6	9283.7	9942.8	11201.1	12404.0	13450.4	14630.8	15047.7	15447.1
15°	7575.2	8711.0	9757.6	10599.1	11450.4	12697.2	14245.6	15508.4	16855.2	17456.7	18136.8
12.5°	8270.5	9345.3	10293.5	11379.0	12578.8	13681.7	15155.9	16728.3	17950.5	18717.6	19175.4
10°	8790.1	9788.4	10700.8	11789.0	12986.5	14234.1	15699.0	17310.8	18590.3	19244.9	19618.5
7.5°	9070.7	10026.1	10988.5	12091.2	13283.3	14612.0	16121.4	17720.6	19028.8	19663.0	20032.0
5°	9279.0	10196.6	11193.2	12353.9	13559.3	14906.6	16413.9	17994.0	19186.8	19860.8	20327.4
2.5°	9405.0	10304.7	11323.6	12523.7	13732.1	15135.3	16715.4	18353.3	19397.0	19939.2	20368.3
0°	9441.6	10347.6	11396.7	12612.7	13852.5	15267.2	16832.8	18454.1	19511.1	20035.7	20472.8
-2.5°	9482.7	10415.6	11493.5	12670.4	13899.7	15310.3	16908.5	18488.2	19439.1	19968.4	20384.2
-5°	9454.1	10420.9	11495.5	12622.7	13860.0	15259.4	16793.7	18270.8	19265.5	19837.7	20251.2
-7.5°	9368.6	10349.1	11412.6	12495.9	13709.7	15125.0	16652.7	18075.1	19082.8	19686.1	20138.6
-10°	9244.1	10196.0	11266.8	12363.9	13563.2	14910.4	16414.7	17828.6	18792.9	19433.6	19961.0
-12.5°	9106.1	10038.4	11070.4	12122.8	13308.9	14639.4	16096.9	17435.4	18394.0	19092.9	19469.7
-15°	8901.6	9833.3	10820.0	11837.9	12994.0	14284.9	15677.2	16961.2	17902.6	18471.3	18887.7
-17.5°	8641.6	9555.7	10491.2	11456.7	12545.8	13817.1	15217.8	16484.2	17251.6	17759.5	18168.7
-20°	8363.1	9208.4	10094.7	11005.7	12061.4	13320.6	14696.3	15801.0	16524.3	17012.3	17398.7



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8044.9	8859.0	9670.2	10541.2	11576.3	12730.8	13945.9	15013.4	15791.1	16235.5	16592.6
-25°	7681.8	8473.7	9244.0	10085.2	11036.5	12074.4	13204.1	14253.1	14949.6	15421.8	15775.9
-27.5°	7290.7	8034.6	8787.2	9542.6	10397.9	11431.8	12478.2	13452.7	14047.2	14523.0	14879.3
-30°	6900.3	7569.5	8265.7	8980.8	9783.6	10715.8	11694.6	12514.0	13141.0	13603.4	13934.1
-32.5°	6477.2	7112.2	7729.0	8397.4	9153.2	9974.9	10833.8	11613.3	12283.3	12706.7	12985.5
-35°	6043.9	6658.7	7223.2	7829.8	8496.5	9205.6	9998.4	10767.2	11428.8	11763.9	12035.5
-37.5°	5592.5	6205.5	6740.8	7247.5	7821.8	8478.5	9250.7	9984.2	10555.8	10843.8	11088.7
-40°	5200.1	5739.7	6221.5	6706.5	7173.4	7756.5	8477.1	9187.3	9645.9	9926.6	10154.1
-42.5°	4819.1	5274.3	5668.9	6103.6	6570.9	7145.8	7727.2	8322.7	8691.3	9002.9	9242.4
-45°	4375.4	4782.3	5152.2	5513.8	5940.0	6464.8	6993.0	7470.0	7815.2	8116.4	8349.7
-47.5°	3884.6	4277.4	4636.7	4959.9	5356.0	5793.8	6238.5	6635.5	6976.4	7274.0	7482.1
-50°	3427.2	3778.2	4128.9	4456.1	4799.3	5153.5	5514.3	5862.6	6186.2	6475.4	6652.6
-52.5°	3017.5	3341.3	3647.9	3933.9	4234.3	4533.5	4832.3	5151.3	5449.1	5722.7	5864.2
-55°	2646.7	2938.8	3215.4	3456.4	3697.4	3934.7	4190.8	4485.3	4759.5	5013.0	5114.5
-57.5°	2314.0	2563.8	2808.7	3012.5	3209.2	3398.0	3622.8	3871.5	4111.4	4328.7	4411.7
-60°	2007.9	2206.2	2410.9	2591.7	2763.1	2925.0	3121.1	3321.3	3516.0	3679.7	3750.5
-62.5°	1726.3	1895.9	2051.0	2198.0	2343.2	2489.0	2647.2	2806.0	2963.3	3089.4	3153.3
-65°	1454.9	1589.9	1714.6	1835.3	1952.6	2075.0	2198.9	2319.6	2436.0	2526.2	2581.5
-67.5°	1200.0	1302.7	1401.6	1495.8	1593.9	1693.1	1790.0	1882.5	1969.9	2039.5	2092.5
-70°	974.1	1053.6	1131.0	1209.0	1290.9	1368.0	1441.0	1510.2	1575.2	1625.5	1666.2
-72.5°	785.2	849.6	916.5	986.7	1052.9	1110.6	1163.1	1213.6	1262.0	1290.4	1311.6
-75°	633.0	687.3	745.5	802.3	857.6	901.4	939.9	977.2	1013.1	1015.0	1007.8
-77.5°	511.4	559.9	604.9	649.5	693.7	720.7	744.3	768.6	793.1	778.9	756.4
-80°	375.3	415.7	453.9	492.4	530.8	546.7	557.9	567.6	575.7	557.2	534.2
-82.5°	249.1	274.6	299.4	324.7	350.3	360.5	368.2	374.5	379.5	362.7	343.4
-85°	139.0	151.2	163.2	175.4	187.5	194.7	201.2	207.2	212.7	202.7	191.4
-87.5°	57.8	60.6	63.3	65.9	68.5	71.1	73.6	76.0	78.4	78.7	79.0
-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: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	45.7
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°	2.3	0.4	0.0	0.0	0.0	0.4	2.3	4.0	5.2	5.8	5.7
62.5°	14.6	15.2	15.7	15.9	15.7	15.2	14.6	13.9	13.4	14.1	15.1
60°	28.0	24.6	23.7	23.8	23.7	24.6	28.0	30.5	31.6	46.1	54.2
57.5°	220.3	188.6	193.4	214.6	193.4	188.6	220.3	238.5	239.8	278.4	279.9
55°	1029.6	1149.4	1191.7	1168.3	1191.7	1149.4	1029.6	902.8	782.0	744.6	744.9
52.5°	1395.0	1444.1	1463.0	1462.3	1463.0	1444.1	1395.0	1329.1	1245.8	1163.6	1083.0
50°	1816.0	1799.4	1773.8	1748.5	1773.8	1799.4	1816.0	1797.1	1734.6	1612.9	1418.0
47.5°	3030.8	2978.3	2956.1	2996.2	2956.1	2978.3	3030.8	2996.6	2763.4	2460.6	2237.3
45°	4027.5	4089.0	4135.0	4132.7	4135.0	4089.0	4027.5	3975.9	3722.8	3376.2	3020.2
42.5°	4595.1	4627.8	4637.3	4625.4	4637.3	4627.8	4595.1	4537.8	4245.2	3875.0	3467.2
40°	5100.9	5139.9	5161.9	5181.8	5161.9	5139.9	5100.9	5025.5	4785.8	4440.9	4057.4
37.5°	5846.5	5860.8	5829.6	5809.6	5829.6	5860.8	5846.5	5799.1	5655.0	5214.7	4903.1
35°	7674.7	7712.2	7625.4	7717.0	7625.4	7712.2	7674.7	7487.2	7264.7	7003.8	6294.3
32.5°	9428.0	9603.5	9745.4	9862.8	9745.4	9603.5	9428.0	9248.8	9098.2	8594.8	7667.1
30°	10421.2	10534.4	10595.2	10609.9	10595.2	10534.4	10421.2	10281.6	10081.7	9437.9	8580.1
27.5°	11150.4	11269.1	11343.0	11396.7	11343.0	11269.1	11150.4	11021.4	10788.0	10131.3	9289.2
25°	11853.2	11961.7	12035.6	12064.3	12035.6	11961.7	11853.2	11722.0	11435.8	10880.8	10051.4
22.5°	12582.5	12657.9	12728.8	12763.7	12728.8	12657.9	12582.5	12428.9	12118.7	11675.8	10797.1
20°	13628.0	13587.0	13651.7	13630.0	13651.7	13587.0	13628.0	13393.2	13066.3	12604.8	11756.3
17.5°	15758.6	15780.6	15823.9	15895.0	15823.9	15780.6	15758.6	15447.1	15047.7	14630.8	13450.4
15°	18438.0	18491.9	18766.0	19010.4	18766.0	18491.9	18438.0	18136.8	17456.7	16855.2	15508.4
12.5°	19600.3	19786.8	19815.8	19884.6	19815.8	19786.8	19600.3	19175.4	18717.6	17950.5	16728.3
10°	19988.1	20311.2	20304.3	20385.3	20304.3	20311.2	19988.1	19618.5	19244.9	18590.3	17310.8
7.5°	20282.3	20629.3	20776.0	20838.4	20776.0	20629.3	20282.3	20032.0	19663.0	19028.8	17720.6
5°	20641.7	20832.5	21085.6	21013.2	21085.6	20832.5	20641.7	20327.4	19860.8	19186.8	17994.0
2.5°	20792.3	21091.2	21022.2	21092.7	21022.2	21091.2	20792.3	20368.3	19939.2	19397.0	18353.3
0°	20894.0	21108.6	21140.4	21211.9	21140.4	21108.6	20894.0	20472.8	20035.7	19511.1	18454.1
-2.5°	20770.7	20959.6	21290.3	21188.0	21290.3	20959.6	20770.7	20384.2	19968.4	19439.1	18488.2
-5°	20662.7	21127.5	20947.0	21172.1	20947.0	21127.5	20662.7	20251.2	19837.7	19265.5	18270.8
-7.5°	20606.9	20690.0	20809.8	20981.4	20809.8	20690.0	20606.9	20138.6	19686.1	19082.8	18075.1
-10°	20175.5	20260.5	20480.7	20599.9	20480.7	20260.5	20175.5	19961.0	19433.6	18792.9	17828.6
-12.5°	19707.7	19872.3	20103.5	20178.7	20103.5	19872.3	19707.7	19469.7	19092.9	18394.0	17435.4
-15°	19168.8	19413.3	19638.6	19686.0	19638.6	19413.3	19168.8	18887.7	18471.3	17902.6	16961.2
-17.5°	18483.5	18776.7	19013.5	19066.1	19013.5	18776.7	18483.5	18168.7	17759.5	17251.6	16484.2
-20°	17728.4	18009.2	18210.7	18271.3	18210.7	18009.2	17728.4	17398.7	17012.3	16524.3	15801.0



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16920.0	17172.8	17343.1	17317.6	17343.1	17172.8	16920.0	16592.6	16235.5	15791.1	15013.4
-25°	16061.6	16296.3	16458.6	16435.4	16458.6	16296.3	16061.6	15775.9	15421.8	14949.6	14253.1
-27.5°	15154.3	15376.5	15532.4	15537.4	15532.4	15376.5	15154.3	14879.3	14523.0	14047.2	13452.7
-30°	14200.7	14402.6	14529.3	14480.3	14529.3	14402.6	14200.7	13934.1	13603.4	13141.0	12514.0
-32.5°	13217.3	13399.9	13516.0	13550.5	13516.0	13399.9	13217.3	12985.5	12706.7	12283.3	11613.3
-35°	12247.3	12408.3	12508.5	12533.2	12508.5	12408.3	12247.3	12035.5	11763.9	11428.8	10767.2
-37.5°	11283.5	11422.0	11492.0	11460.3	11492.0	11422.0	11283.5	11088.7	10843.8	10555.8	9984.2
-40°	10331.1	10463.0	10543.2	10562.2	10543.2	10463.0	10331.1	10154.1	9926.6	9645.9	9187.3
-42.5°	9394.6	9504.3	9574.7	9608.5	9574.7	9504.3	9394.6	9242.4	9002.9	8691.3	8322.7
-45°	8485.9	8583.9	8650.0	8686.6	8650.0	8583.9	8485.9	8349.7	8116.4	7815.2	7470.0
-47.5°	7601.7	7687.7	7744.7	7772.7	7744.7	7687.7	7601.7	7482.1	7274.0	6976.4	6635.5
-50°	6756.2	6830.7	6883.7	6914.3	6883.7	6830.7	6756.2	6652.6	6475.4	6186.2	5862.6
-52.5°	5954.3	6019.4	6064.7	6087.8	6064.7	6019.4	5954.3	5864.2	5722.7	5449.1	5151.3
-55°	5188.6	5241.4	5283.3	5308.9	5283.3	5241.4	5188.6	5114.5	5013.0	4759.5	4485.3
-57.5°	4474.7	4517.7	4557.4	4585.7	4557.4	4517.7	4474.7	4411.7	4328.7	4111.4	3871.5
-60°	3806.3	3847.0	3880.8	3902.2	3880.8	3847.0	3806.3	3750.5	3679.7	3516.0	3321.3
-62.5°	3203.2	3239.2	3270.1	3290.3	3270.1	3239.2	3203.2	3153.3	3089.4	2963.3	2806.0
-65°	2625.1	2657.3	2680.4	2694.2	2680.4	2657.3	2625.1	2581.5	2526.2	2436.0	2319.6
-67.5°	2137.6	2174.8	2182.2	2177.6	2182.2	2174.8	2137.6	2092.5	2039.5	1969.9	1882.5
-70°	1702.6	1734.2	1741.5	1740.5	1741.5	1734.2	1702.6	1666.2	1625.5	1575.2	1510.2
-72.5°	1331.3	1348.4	1333.8	1311.3	1333.8	1348.4	1331.3	1311.6	1290.4	1262.0	1213.6
-75°	999.0	988.0	972.6	953.7	972.6	988.0	999.0	1007.8	1015.0	1013.1	977.2
-77.5°	731.6	704.5	686.9	667.6	686.9	704.5	731.6	756.4	778.9	793.1	768.6
-80°	509.4	482.9	464.6	445.1	464.6	482.9	509.4	534.2	557.2	575.7	567.6
-82.5°	322.7	300.9	289.8	278.2	289.8	300.9	322.7	343.4	362.7	379.5	374.5
-85°	179.2	166.3	158.8	151.0	158.8	166.3	179.2	191.4	202.7	212.7	207.2
-87.5°	79.2	79.4	75.5	71.5	75.5	79.4	79.2	79.0	78.7	78.4	76.0
-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: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	43.7	41.7	39.7	37.7	35.8	33.8	31.8	29.8	27.8	25.8	23.8
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	0.2	0.2	0.0	0.0	0.7	1.0	0.4	0.0	0.8
67.5°	0.0	0.0	1.4	3.3	4.1	4.0	3.6	4.0	4.7	4.3	4.0
65°	4.8	3.0	1.9	3.8	5.9	8.0	8.3	7.3	7.1	8.2	9.8
62.5°	16.0	16.7	14.5	12.1	10.5	11.5	12.6	13.5	11.7	9.4	12.3
60°	47.8	29.1	42.5	45.5	36.2	31.4	47.0	44.6	23.2	20.0	18.0
57.5°	230.5	192.9	211.8	192.4	131.7	115.0	119.1	113.6	102.8	63.0	26.9
55°	794.7	681.1	535.0	462.2	445.2	340.5	253.8	211.9	192.2	138.7	91.9
52.5°	1009.6	938.5	828.0	675.7	594.4	564.0	482.1	385.7	306.5	245.1	176.0
50°	1265.7	1284.7	1171.2	960.4	877.2	786.9	707.5	596.0	495.5	397.5	293.4
47.5°	2064.9	1923.5	1809.7	1652.4	1353.6	1163.0	1037.7	855.0	717.3	598.7	470.3
45°	2753.1	2591.3	2480.1	2236.0	1918.6	1623.6	1426.6	1197.7	954.0	795.2	678.7
42.5°	3242.0	3032.4	2849.8	2650.7	2347.4	2014.6	1744.5	1518.0	1261.8	1004.3	849.3
40°	3720.3	3388.3	3207.1	3028.9	2743.0	2369.7	2159.2	1826.6	1559.1	1273.7	1062.0
37.5°	4433.8	3869.1	3805.1	3633.4	3310.2	2921.8	2685.0	2356.8	1860.7	1591.6	1348.2
35°	5639.5	5057.7	4721.9	4553.6	4134.4	3639.6	3249.7	2943.3	2451.0	1921.1	1640.6
32.5°	6968.1	6231.9	5722.2	5482.1	5032.2	4360.8	3879.8	3490.0	2995.9	2396.3	1946.4
30°	7718.3	7046.9	6433.0	6022.5	5585.3	5008.1	4456.2	3905.8	3369.4	2873.2	2277.8
27.5°	8416.5	7579.3	6917.5	6454.2	6044.8	5489.9	4879.3	4289.2	3699.8	3209.5	2678.4
25°	9081.7	8154.0	7432.7	6888.7	6412.6	5973.3	5283.0	4638.3	4023.5	3481.7	3066.3
22.5°	9701.4	8840.2	8009.0	7297.8	6894.5	6422.9	5742.3	4961.4	4360.8	3905.1	3416.2
20°	10721.8	9757.8	8705.4	8090.0	7714.9	6986.4	6216.3	5444.2	4892.5	4370.7	3795.7
17.5°	12404.0	11201.1	9942.8	9283.7	8752.6	7859.1	6877.8	6111.7	5423.0	4841.5	4208.7
15°	14245.6	12697.2	11450.4	10599.1	9757.6	8711.0	7575.2	6747.6	5965.0	5310.8	4588.1
12.5°	15155.9	13681.7	12578.8	11379.0	10293.5	9345.3	8270.5	7357.9	6469.7	5617.2	4822.9
10°	15699.0	14234.1	12986.5	11789.0	10700.8	9788.4	8790.1	7709.1	6722.2	5820.0	5018.7
7.5°	16121.4	14612.0	13283.3	12091.2	10988.5	10026.1	9070.7	7937.4	6924.2	5983.9	5175.8
5°	16413.9	14906.6	13559.3	12353.9	11193.2	10196.6	9279.0	8110.2	7074.6	6108.4	5295.1
2.5°	16715.4	15135.3	13732.1	12523.7	11323.6	10304.7	9405.0	8242.2	7197.0	6200.7	5394.5
0°	16832.8	15267.2	13852.5	12612.7	11396.7	10347.6	9441.6	8329.0	7279.9	6254.7	5459.9
-2.5°	16908.5	15310.3	13899.7	12670.4	11493.5	10415.6	9482.7	8426.4	7306.1	6312.8	5478.3
-5°	16793.7	15259.4	13860.0	12622.7	11495.5	10420.9	9454.1	8440.8	7299.5	6328.3	5464.1
-7.5°	16652.7	15125.0	13709.7	12495.9	11412.6	10349.1	9368.6	8377.7	7274.5	6302.9	5437.2
-10°	16414.7	14910.4	13563.2	12363.9	11266.8	10196.0	9244.1	8257.8	7193.3	6230.8	5374.1
-12.5°	16096.9	14639.4	13308.9	12122.8	11070.4	10038.4	9106.1	8092.0	7054.6	6110.7	5274.1
-15°	15677.2	14284.9	12994.0	11837.9	10820.0	9833.3	8901.6	7908.7	6919.5	5962.6	5137.0
-17.5°	15217.8	13817.1	12545.8	11456.7	10491.2	9555.7	8641.6	7716.2	6763.8	5823.7	5013.5
-20°	14696.3	13320.6	12061.4	11005.7	10094.7	9208.4	8363.1	7500.8	6547.6	5663.9	4884.0



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13945.9	12730.8	11576.3	10541.2	9670.2	8859.0	8044.9	7211.2	6267.2	5463.7	4707.6
-25°	13204.1	12074.4	11036.5	10085.2	9244.0	8473.7	7681.8	6855.3	6017.7	5228.5	4491.9
-27.5°	12478.2	11431.8	10397.9	9542.6	8787.2	8034.6	7290.7	6508.7	5737.5	4964.0	4289.3
-30°	11694.6	10715.8	9783.6	8980.8	8265.7	7569.5	6900.3	6170.3	5411.5	4677.5	4070.7
-32.5°	10833.8	9974.9	9153.2	8397.4	7729.0	7112.2	6477.2	5785.2	5035.4	4409.7	3817.5
-35°	9998.4	9205.6	8496.5	7829.8	7223.2	6658.7	6043.9	5350.9	4692.6	4105.4	3531.8
-37.5°	9250.7	8478.5	7821.8	7247.5	6740.8	6205.5	5592.5	4977.6	4358.7	3766.6	3266.1
-40°	8477.1	7756.5	7173.4	6706.5	6221.5	5739.7	5200.1	4628.3	4017.7	3439.3	3005.4
-42.5°	7727.2	7145.8	6570.9	6103.6	5668.9	5274.3	4819.1	4241.9	3680.6	3178.2	2761.2
-45°	6993.0	6464.8	5940.0	5513.8	5152.2	4782.3	4375.4	3850.7	3346.5	2915.2	2521.9
-47.5°	6238.5	5793.8	5356.0	4959.9	4636.7	4277.4	3884.6	3440.2	3027.0	2638.3	2290.0
-50°	5514.3	5153.5	4799.3	4456.1	4128.9	3778.2	3427.2	3068.5	2699.8	2361.1	2045.0
-52.5°	4832.3	4533.5	4234.3	3933.9	3647.9	3341.3	3017.5	2698.4	2374.1	2091.1	1808.8
-55°	4190.8	3934.7	3697.4	3456.4	3215.4	2938.8	2646.7	2359.3	2100.5	1840.4	1610.4
-57.5°	3622.8	3398.0	3209.2	3012.5	2808.7	2563.8	2314.0	2071.1	1856.4	1641.2	1428.1
-60°	3121.1	2925.0	2763.1	2591.7	2410.9	2206.2	2007.9	1815.5	1629.9	1454.2	1270.8
-62.5°	2647.2	2489.0	2343.2	2198.0	2051.0	1895.9	1726.3	1571.1	1427.3	1279.4	1113.4
-65°	2198.9	2075.0	1952.6	1835.3	1714.6	1589.9	1454.9	1332.1	1214.6	1094.5	951.1
-67.5°	1790.0	1693.1	1593.9	1495.8	1401.6	1302.7	1200.0	1097.6	1001.8	903.9	787.5
-70°	1441.0	1368.0	1290.9	1209.0	1131.0	1053.6	974.1	891.3	803.7	723.8	644.0
-72.5°	1163.1	1110.6	1052.9	986.7	916.5	849.6	785.2	720.6	654.1	585.7	516.1
-75°	939.9	901.4	857.6	802.3	745.5	687.3	633.0	577.5	516.7	450.3	385.7
-77.5°	744.3	720.7	693.7	649.5	604.9	559.9	511.4	450.8	388.9	327.7	274.4
-80°	557.9	546.7	530.8	492.4	453.9	415.7	375.3	322.4	269.7	220.4	180.7
-82.5°	368.2	360.5	350.3	324.7	299.4	274.6	249.1	212.3	177.1	143.8	114.3
-85°	201.2	194.7	187.5	175.4	163.2	151.2	139.0	118.7	99.6	81.8	66.0
-87.5°	73.6	71.1	68.5	65.9	63.3	60.6	57.8	51.8	46.0	40.4	35.0
-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: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	21.8	19.9	17.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.6	4.2
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	1.3	2.4
82.5°	0.0	0.0	0.0	0.1	1.3	2.0	2.3	2.1	1.1	0.2	0.6
80°	0.0	0.0	0.0	0.2	2.0	4.2	5.2	5.4	4.1	2.9	1.6
77.5°	0.0	0.0	0.0	0.1	0.8	2.3	4.5	7.2	7.1	5.5	3.9
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.7	4.2	6.4	7.8	6.2
72.5°	0.0	0.0	0.0	1.0	2.1	2.2	1.3	1.4	4.6	6.7	7.8
70°	1.2	0.4	0.0	1.3	3.2	4.8	4.5	3.6	3.0	5.8	7.5
67.5°	3.7	4.0	3.0	2.2	3.6	5.5	7.4	7.1	6.1	5.1	7.3
65°	9.2	8.6	7.8	6.9	5.9	5.8	7.7	9.8	9.2	7.9	7.2
62.5°	13.9	13.8	12.7	11.6	10.3	8.9	8.2	10.9	12.0	10.7	8.9
60°	17.8	18.6	17.8	16.2	14.6	13.0	11.8	12.4	13.8	13.4	11.4
57.5°	24.7	24.0	23.6	21.5	18.9	17.0	15.9	15.5	15.9	15.7	13.7
55°	43.6	30.3	30.5	28.2	24.3	20.9	20.1	19.3	18.4	18.1	16.1
52.5°	110.4	61.3	39.3	36.3	31.6	25.9	24.2	23.1	21.8	20.7	18.4
50°	203.9	132.0	74.8	46.9	39.9	34.0	28.2	26.8	25.2	23.5	20.6
47.5°	326.3	226.9	147.5	74.0	51.6	42.5	35.3	30.5	28.6	26.5	22.9
45°	502.6	334.3	231.8	146.4	68.8	58.7	43.7	34.2	31.9	29.3	25.0
42.5°	699.3	490.6	325.2	221.2	131.3	81.3	52.4	41.5	35.2	32.3	27.5
40°	892.1	677.9	436.8	305.0	198.1	109.1	75.4	49.6	38.5	35.4	30.2
37.5°	1105.6	876.2	611.9	394.4	266.2	166.5	103.3	57.8	43.7	38.7	33.0
35°	1369.5	1096.1	787.1	525.5	352.5	219.7	134.3	73.5	53.8	42.2	35.9
32.5°	1633.1	1315.6	976.5	677.9	442.8	268.8	174.7	104.9	65.5	45.9	38.8
30°	1898.4	1516.7	1154.8	819.0	546.6	347.5	218.2	135.4	78.9	49.6	41.9
27.5°	2137.2	1706.4	1321.8	966.4	668.4	430.8	263.6	165.0	93.8	56.2	45.0
25°	2407.0	1911.5	1486.0	1107.3	779.8	517.5	310.3	193.9	115.6	67.7	48.1
22.5°	2754.2	2122.2	1638.2	1235.0	890.1	600.4	370.3	232.2	139.5	79.9	51.2
20°	3099.4	2328.1	1787.4	1395.1	1010.0	693.8	439.7	270.2	162.2	92.4	54.3
17.5°	3438.1	2591.9	2004.4	1558.5	1138.3	781.1	504.5	307.5	183.6	105.3	57.4
15°	3741.9	2894.1	2217.7	1713.2	1264.0	861.9	564.5	343.8	203.6	118.1	61.4
12.5°	3996.9	3154.7	2418.6	1857.9	1385.1	935.7	619.3	378.6	222.1	132.5	67.0
10°	4207.6	3375.0	2604.8	1991.5	1499.4	1002.0	668.7	413.5	243.8	147.6	72.7
7.5°	4376.0	3557.0	2774.2	2113.0	1603.2	1064.1	721.8	450.1	264.8	162.0	78.6
5°	4502.6	3699.1	2905.2	2200.0	1685.7	1121.1	770.8	483.9	284.3	175.5	84.5
2.5°	4584.9	3803.6	3002.3	2268.3	1752.9	1169.1	813.9	514.1	302.1	187.8	90.1
0°	4633.4	3878.4	3075.7	2320.7	1804.1	1208.0	850.4	540.4	317.9	198.7	95.4
-2.5°	4676.8	3927.4	3139.8	2412.1	1839.3	1271.8	873.8	564.1	343.0	206.6	105.1
-5°	4691.1	3949.0	3181.8	2482.6	1860.5	1323.4	890.2	583.5	365.0	212.9	114.0
-7.5°	4666.9	3936.0	3196.5	2522.6	1870.5	1359.9	899.7	598.6	383.0	217.9	121.8
-10°	4613.1	3893.4	3177.1	2510.5	1883.9	1371.4	905.3	609.8	396.0	221.6	128.2
-12.5°	4533.4	3829.1	3135.3	2483.8	1881.6	1364.1	920.2	618.4	402.8	224.1	132.9
-15°	4429.0	3744.9	3071.4	2444.5	1859.0	1347.7	924.0	621.6	402.0	228.8	135.9
-17.5°	4306.1	3642.8	2985.8	2394.3	1814.9	1323.0	915.6	617.8	398.0	235.6	138.8
-20°	4183.1	3529.4	2884.3	2335.0	1748.4	1290.9	894.3	606.4	390.7	240.1	141.6



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4038.8	3399.1	2796.6	2252.3	1676.5	1252.2	859.5	587.2	380.2	242.0	142.9
-25°	3873.0	3247.1	2691.2	2138.6	1619.8	1208.5	823.5	559.7	366.8	241.3	142.4
-27.5°	3685.6	3084.7	2567.0	2014.0	1560.9	1147.4	789.4	539.6	355.3	237.9	140.3
-30°	3476.6	2931.8	2418.5	1894.3	1488.9	1081.3	744.8	517.0	350.1	233.5	136.4
-32.5°	3251.2	2759.5	2258.9	1803.1	1407.0	1012.8	705.4	491.5	341.4	227.8	136.6
-35°	3039.8	2572.2	2096.0	1697.7	1320.2	972.2	679.1	463.2	329.0	219.9	137.3
-37.5°	2813.5	2375.7	1967.0	1587.9	1228.8	925.6	657.8	450.5	313.1	209.7	136.8
-40°	2595.7	2189.3	1817.7	1483.2	1161.1	873.1	624.2	436.4	297.8	197.3	135.0
-42.5°	2375.3	2014.1	1674.9	1369.3	1097.3	822.3	581.2	414.7	285.4	190.3	131.9
-45°	2172.4	1833.2	1523.0	1270.0	1026.4	757.3	548.1	387.6	270.3	185.1	129.1
-47.5°	1959.2	1648.9	1384.1	1161.3	933.6	686.6	506.0	366.1	252.0	178.5	127.2
-50°	1739.1	1474.5	1254.3	1041.7	820.1	627.7	461.1	340.6	245.5	173.2	124.1
-52.5°	1546.4	1321.2	1121.4	918.8	734.4	558.7	427.0	313.2	236.8	168.8	119.7
-55°	1380.5	1175.4	990.6	818.1	652.7	508.0	388.4	300.1	226.1	163.2	114.2
-57.5°	1233.9	1040.3	883.2	728.3	584.6	459.1	361.2	284.7	214.8	155.5	109.5
-60°	1091.4	932.5	785.7	647.6	521.0	416.9	340.0	266.8	201.3	145.8	104.1
-62.5°	959.7	819.8	692.0	567.2	464.0	382.6	315.7	246.0	185.5	133.7	97.0
-65°	821.5	702.3	594.3	496.3	412.3	342.4	284.3	222.4	164.6	119.1	87.8
-67.5°	677.9	590.4	506.1	424.4	355.8	297.2	248.2	191.1	140.1	102.2	77.1
-70°	564.6	487.5	416.1	352.0	296.0	248.2	202.9	154.5	113.0	87.5	65.7
-72.5°	449.4	386.6	328.1	277.0	237.1	196.5	155.3	118.3	93.7	72.2	53.8
-75°	332.6	290.1	252.0	216.6	180.6	145.1	118.4	94.0	73.8	56.2	45.3
-77.5°	241.4	210.7	182.6	160.2	135.5	111.8	89.4	69.0	55.9	46.7	38.1
-80°	164.0	147.9	132.4	116.7	96.8	78.0	64.5	53.1	45.1	37.6	30.7
-82.5°	103.3	94.7	87.0	79.1	67.5	57.1	47.9	40.0	34.0	28.3	24.9
-85°	61.3	56.7	52.2	47.7	41.3	35.7	32.9	30.5	27.9	25.2	22.6
-87.5°	34.5	34.0	33.5	32.9	31.3	29.8	28.4	27.2	24.9	22.6	20.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.9	5.9



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	15.9	13.9	11.9	9.9	7.9	7.9	7.9
87.5°	5.9	6.6	7.2	7.6	7.9	7.9	7.9
85°	3.8	5.4	6.5	7.4	7.9	7.9	7.9
82.5°	1.9	4.1	5.9	7.1	7.9	7.9	7.9
80°	0.4	2.9	5.3	6.9	7.9	7.9	7.9
77.5°	2.4	2.6	4.7	6.7	7.9	7.9	7.9
75°	4.4	3.9	4.3	6.5	7.9	7.9	7.9
72.5°	6.3	5.1	5.0	6.4	7.9	7.9	7.9
70°	7.9	6.3	5.7	6.3	7.9	7.9	7.9
67.5°	8.1	7.4	6.3	6.6	7.9	7.9	7.9
65°	8.5	8.2	6.9	6.9	7.9	7.9	7.9
62.5°	8.9	8.8	7.4	7.1	7.9	7.9	7.9
60°	9.4	9.5	7.9	7.3	7.9	7.9	7.9
57.5°	11.3	10.3	8.6	7.5	8.0	7.9	7.9
55°	13.3	11.1	9.5	7.6	8.1	7.9	7.9
52.5°	15.3	12.1	10.3	7.8	8.3	7.9	7.9
50°	17.2	13.8	11.2	7.9	8.4	7.9	7.9
47.5°	19.1	15.4	12.1	8.1	8.6	7.9	7.9
45°	21.0	16.9	13.1	8.8	8.9	7.9	7.9
42.5°	22.8	18.4	14.1	9.6	9.1	7.9	7.9
40°	24.6	19.9	15.2	10.5	9.4	7.9	7.9
37.5°	26.3	21.3	16.3	11.6	9.7	7.9	7.9
35°	28.0	22.7	17.4	12.6	10.1	7.9	7.9
32.5°	29.8	24.0	18.5	13.6	10.4	7.9	7.9
30°	32.2	25.3	19.5	14.6	10.8	7.9	7.9
27.5°	34.6	26.5	20.7	15.6	11.2	7.9	7.9
25°	36.9	27.7	22.0	16.5	11.6	7.9	7.9
22.5°	39.2	29.0	23.2	17.4	12.1	7.9	7.9
20°	41.5	30.4	24.3	18.3	12.5	7.9	7.9
17.5°	43.8	31.8	25.5	19.1	13.0	7.9	7.9
15°	46.0	33.1	26.5	19.9	13.4	7.9	7.9
12.5°	48.0	34.4	27.5	20.7	13.9	7.9	7.9
10°	49.9	35.6	28.5	21.4	14.3	7.9	7.9
7.5°	51.6	36.7	29.4	22.0	14.7	7.9	7.9
5°	53.1	37.8	30.3	22.7	15.1	7.9	7.9
2.5°	54.4	38.8	31.1	23.3	15.5	7.9	7.9
0°	55.6	39.7	31.8	23.8	15.9	7.9	7.9
-2.5°	58.7	40.5	32.5	23.8	15.9	7.9	7.9
-5°	61.5	41.3	33.0	23.7	15.8	7.9	7.9
-7.5°	64.0	42.0	33.5	23.6	15.8	7.9	7.9
-10°	66.1	42.6	33.9	23.4	15.7	7.9	7.9
-12.5°	67.6	43.1	34.2	23.2	15.5	7.9	7.9
-15°	68.6	43.6	34.3	23.0	15.4	7.9	7.9
-17.5°	69.0	43.9	34.2	22.7	15.2	7.9	7.9
-20°	70.7	44.2	34.0	22.4	14.9	7.9	7.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627700 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	75.3	44.4	33.6	22.0	14.7	7.9	7.9
-25°	79.0	47.3	33.0	21.6	14.4	7.9	7.9
-27.5°	81.9	51.0	32.2	21.1	14.1	7.9	7.9
-30°	83.9	54.2	31.4	20.6	13.8	7.9	7.9
-32.5°	84.9	56.8	32.5	20.1	13.4	7.9	7.9
-35°	87.2	58.8	33.4	19.5	13.0	7.9	7.9
-37.5°	89.5	60.1	33.9	18.9	12.6	7.9	7.9
-40°	90.9	60.6	34.2	18.2	12.2	7.9	7.9
-42.5°	91.4	60.6	34.4	17.9	11.7	7.9	7.9
-45°	91.0	60.2	34.6	18.0	11.2	7.9	7.9
-47.5°	89.6	59.3	34.4	17.9	10.7	7.9	7.9
-50°	87.7	57.9	33.7	17.6	10.2	7.9	7.9
-52.5°	85.3	56.1	32.7	17.3	9.6	7.9	7.9
-55°	82.2	53.8	31.3	16.8	9.1	7.9	7.9
-57.5°	78.6	50.9	29.6	16.2	8.5	7.9	7.9
-60°	74.2	47.4	27.5	15.5	7.9	7.9	7.9
-62.5°	68.2	43.4	26.0	14.6	7.9	7.9	7.9
-65°	61.5	38.9	24.3	13.6	7.9	7.9	7.9
-67.5°	54.1	35.0	22.4	12.6	7.9	7.9	7.9
-70°	46.1	31.8	20.3	11.4	7.9	7.9	7.9
-72.5°	40.7	28.3	18.1	11.2	7.9	7.9	7.9
-75°	35.4	24.7	15.8	11.1	7.9	7.9	7.9
-77.5°	29.9	20.8	15.0	10.9	7.9	7.9	7.9
-80°	24.2	18.7	14.4	10.8	7.9	7.9	7.9
-82.5°	21.8	17.6	13.9	10.6	7.9	7.9	7.9
-85°	19.9	16.4	13.2	10.4	7.9	7.9	7.9
-87.5°	17.9	15.2	12.6	10.2	7.9	7.9	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(END OF REPORT)