

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: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627640 (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-SA5C-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:	22768.2 lumens	Max Intensity:	17060.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	110.5 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:	13172.9 lumens	Field Lumens:	21605.6 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	206.1		
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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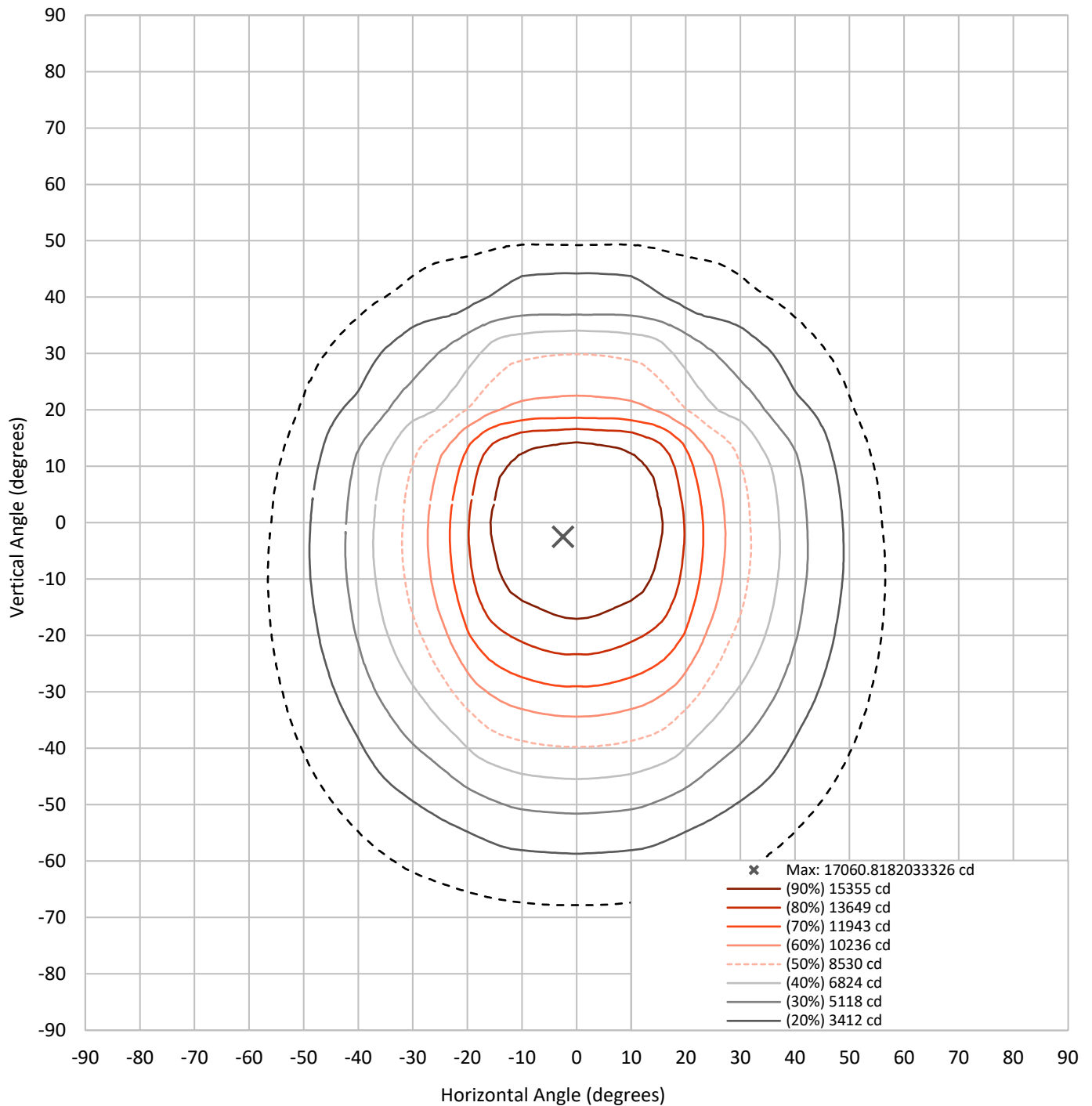
Scaled Data Report



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-VWR-VSR-XX

Iso-Candela Plot





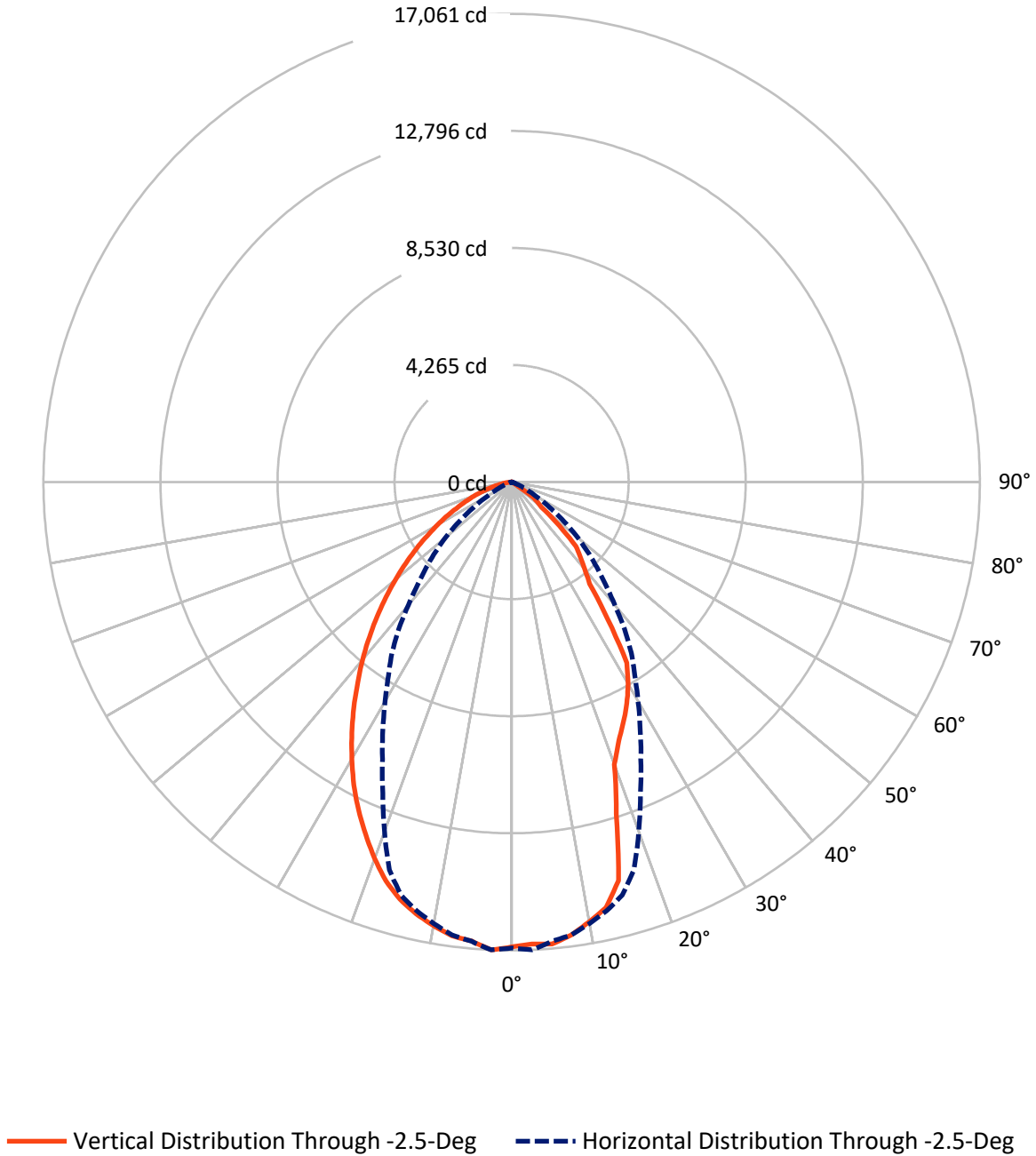
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	
50		0.2	0.4	2.1	6.2	12.0	17.7	22.1	22.1	17.7	12.0	6.2	2.1	0.4	0.2				
40	0.4	0.4	2.5	11.7	28.2	50.8	75.1	91.9	91.9	75.1	50.8	28.2	11.7	2.5	0.4	0.4	0.4	0.4	
30		1.1	8.5	29.6	66.0	107.0	160.4	187.5	187.5	160.4	107.0	66.0	29.6	8.5	1.1				
20	0.7	2.5	16.4	52.4	106.3	168.6	252.9	290.6	290.6	252.9	168.6	106.3	52.4	16.4	2.5	0.7	0.7	0.7	
10		4.3	25.1	77.5	153.2	252.1	375.3	430.4	430.4	375.3	252.1	153.2	77.5	25.1	4.3				
0	1.2	5.9	32.6	92.1	183.2	301.2	443.1	502.9	502.9	443.1	301.2	183.2	92.1	32.6	5.9	1.2	1.2	1.2	
-10		7.0	36.0	95.6	188.1	308.1	446.4	504.7	504.7	446.4	308.1	188.1	95.6	36.0	7.0				
-20	1.4	7.3	35.2	90.5	177.4	288.5	414.3	468.1	468.1	414.3	288.5	177.4	90.5	35.2	7.3	1.4	1.4	1.4	
-30		6.7	30.8	79.0	153.2	245.3	347.3	393.4	393.4	347.3	245.3	153.2	79.0	30.8	6.7				
-40	1.4	5.6	24.5	62.1	120.5	189.2	265.3	300.3	300.3	265.3	189.2	120.5	62.1	24.5	5.6	1.4	1.4	1.4	
-50		4.5	18.1	44.3	86.3	133.1	183.6	208.4	208.4	183.6	133.1	86.3	44.3	18.1	4.5				
-60	1.1	3.3	11.9	28.4	53.7	82.6	112.2	128.0	128.0	112.2	82.6	53.7	28.4	11.9	3.3	1.1	1.1	1.1	
-70		2.4	7.2	16.6	29.5	43.8	58.0	65.7	65.7	58.0	43.8	29.5	16.6	7.2	2.4				
-80	0.4	5.3	24.5	53.5	59.8	53.5	24.5	5.3	0.4	5.3	24.5	53.5	59.8	53.5	24.5	5.3	0.4	0.4	
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

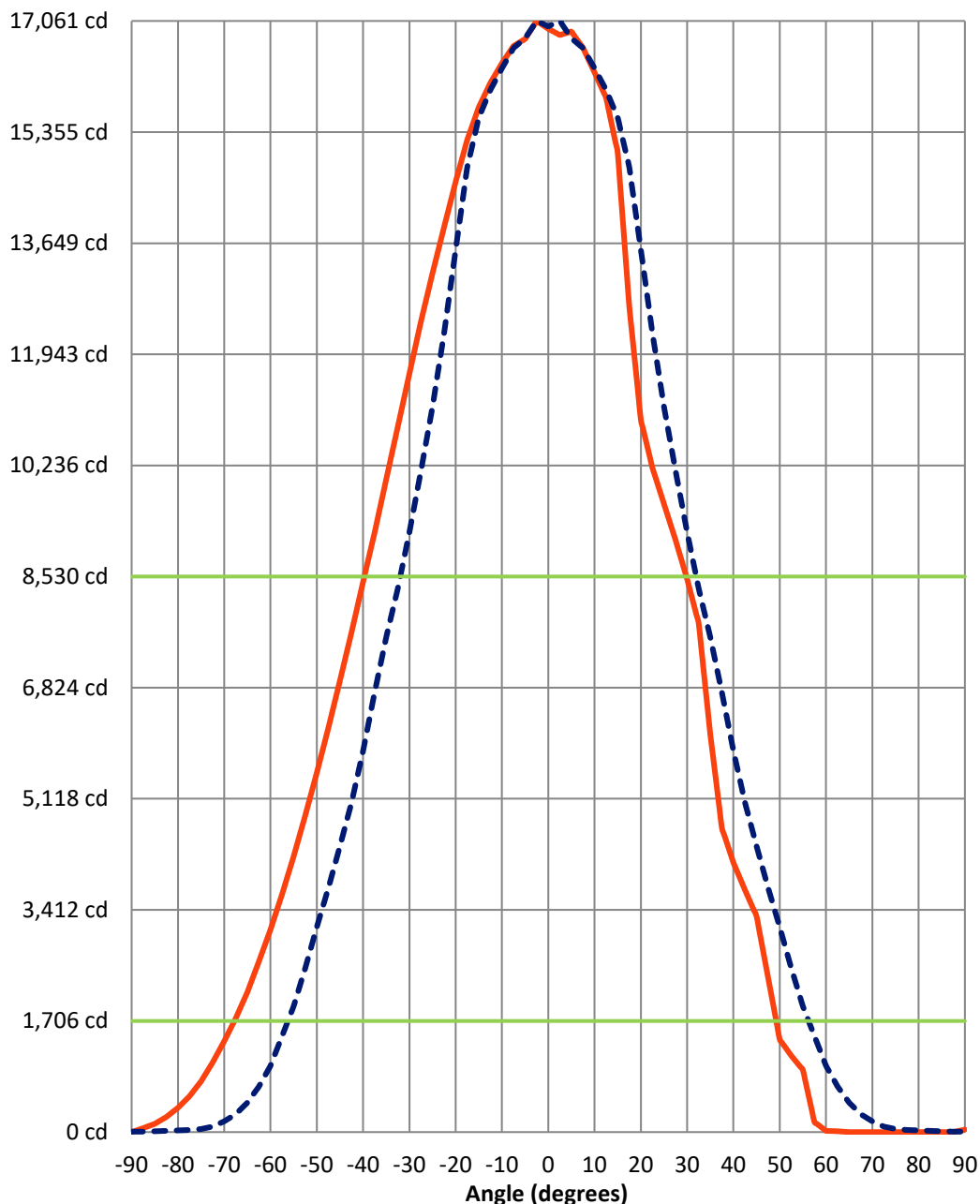
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 13172.9
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 21605.6
 Efficiency: 94.9%

Spill:
 Lumens: 1162.6
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-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°	6.4	6.4	6.4	8.0	9.6	11.1	12.7	14.3	15.9	17.5	19.1
87.5°	6.4	6.4	6.4	6.2	5.8	5.4	4.7	3.4	2.1	1.0	0.0
85°	6.4	6.4	6.4	6.0	5.3	4.3	3.1	1.9	1.0	0.4	0.0
82.5°	6.4	6.4	6.4	5.8	4.8	3.3	1.5	0.5	0.2	0.9	1.7
80°	6.4	6.4	6.4	5.6	4.3	2.4	0.3	1.3	2.3	3.4	4.4
77.5°	6.4	6.4	6.4	5.4	3.8	2.1	2.0	3.2	4.5	5.8	5.8
75°	6.4	6.4	6.4	5.3	3.5	3.2	3.6	5.0	6.3	5.2	3.4
72.5°	6.4	6.4	6.4	5.2	4.1	4.1	5.1	6.3	5.4	3.7	1.1
70°	6.4	6.4	6.4	5.1	4.6	5.1	6.4	6.1	4.7	2.4	2.9
67.5°	6.4	6.4	6.4	5.3	5.1	6.0	6.6	5.9	4.2	4.9	5.7
65°	6.4	6.4	6.4	5.6	5.6	6.6	6.8	5.8	6.4	7.4	7.9
62.5°	6.4	6.4	6.4	5.7	6.0	7.1	7.2	7.2	8.6	9.7	8.8
60°	6.4	6.4	6.4	5.9	6.4	7.7	7.6	9.1	10.7	11.1	10.0
57.5°	6.4	6.4	6.5	6.1	7.0	8.3	9.1	11.0	12.6	12.8	12.5
55°	6.4	6.4	6.6	6.2	7.6	8.9	10.7	12.9	14.5	14.8	15.5
52.5°	6.4	6.4	6.7	6.3	8.3	9.7	12.3	14.7	16.6	17.5	18.5
50°	6.4	6.4	6.8	6.4	9.0	11.0	13.8	16.5	18.9	20.2	21.5
47.5°	6.4	6.4	7.0	6.5	9.7	12.3	15.3	18.3	21.3	22.9	24.4
45°	6.4	6.4	7.2	7.1	10.5	13.6	16.8	20.1	23.5	25.6	27.4
42.5°	6.4	6.4	7.4	7.7	11.3	14.8	18.3	22.0	25.9	28.2	33.2
40°	6.4	6.4	7.6	8.5	12.1	15.9	19.7	24.2	28.4	30.8	39.7
37.5°	6.4	6.4	7.8	9.3	13.1	17.1	21.1	26.4	31.0	35.0	46.2
35°	6.4	6.4	8.1	10.1	13.9	18.2	22.4	28.8	33.8	43.0	58.9
32.5°	6.4	6.4	8.4	10.9	14.8	19.3	23.9	31.1	36.7	52.5	84.0
30°	6.4	6.4	8.7	11.7	15.6	20.3	25.8	33.6	39.7	63.2	108.5
27.5°	6.4	6.4	9.0	12.5	16.6	21.3	27.7	36.0	45.0	75.1	132.2
25°	6.4	6.4	9.3	13.2	17.6	22.2	29.6	38.5	54.2	92.6	155.4
22.5°	6.4	6.4	9.7	14.0	18.6	23.2	31.4	41.0	63.9	111.7	186.0
20°	6.4	6.4	10.0	14.6	19.5	24.4	33.3	43.5	74.0	129.9	216.5
17.5°	6.4	6.4	10.4	15.3	20.4	25.5	35.1	46.0	84.3	147.0	246.4
15°	6.4	6.4	10.7	15.9	21.3	26.6	36.9	49.2	94.6	163.1	275.5
12.5°	6.4	6.4	11.1	16.6	22.1	27.6	38.5	53.6	106.1	178.0	303.4
10°	6.4	6.4	11.4	17.1	22.9	28.5	40.0	58.2	118.2	195.3	331.3
7.5°	6.4	6.4	11.8	17.7	23.6	29.4	41.4	63.0	129.8	212.1	360.7
5°	6.4	6.4	12.1	18.2	24.3	30.3	42.6	67.7	140.6	227.7	387.8
2.5°	6.4	6.4	12.4	18.7	24.9	31.1	43.7	72.2	150.5	242.0	412.0
0°	6.4	6.4	12.7	19.1	25.5	31.8	44.6	76.4	159.2	254.7	433.1
-2.5°	6.4	6.4	12.7	19.1	25.5	31.8	44.6	76.4	159.2	254.7	433.1
-5°	6.4	6.4	12.7	19.0	26.5	33.1	49.3	91.3	170.6	292.4	467.6
-7.5°	6.4	6.4	12.6	18.9	26.9	33.6	51.3	97.5	174.6	306.8	479.7
-10°	6.4	6.4	12.5	18.8	27.2	34.1	53.0	102.7	177.5	317.2	488.6
-12.5°	6.4	6.4	12.4	18.6	27.4	34.6	54.2	106.5	179.5	322.7	495.5
-15°	6.4	6.4	12.3	18.4	27.5	34.9	55.0	108.9	183.3	322.1	498.1
-17.5°	6.4	6.4	12.1	18.2	27.4	35.2	55.2	111.2	188.8	318.9	495.0
-20°	6.4	6.4	11.9	17.9	27.2	35.4	56.7	113.5	192.3	313.0	485.9

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CATALOG NUMBER: GFLD-SA5C-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°	6.4	6.4	11.7	17.6	26.9	35.5	60.3	114.5	193.9	304.6	470.5
-25°	6.4	6.4	11.5	17.3	26.4	37.9	63.3	114.1	193.4	293.8	448.4
-27.5°	6.4	6.4	11.3	16.9	25.8	40.8	65.6	112.4	190.6	284.6	432.3
-30°	6.4	6.4	11.0	16.5	25.2	43.4	67.2	109.3	187.1	280.5	414.2
-32.5°	6.4	6.4	10.7	16.1	26.1	45.5	68.0	109.4	182.5	273.5	393.8
-35°	6.4	6.4	10.4	15.6	26.8	47.1	69.9	110.1	176.2	263.6	371.1
-37.5°	6.4	6.4	10.1	15.1	27.2	48.2	71.7	109.6	168.1	250.8	361.0
-40°	6.4	6.4	9.7	14.6	27.4	48.6	72.9	108.2	158.1	238.6	349.6
-42.5°	6.4	6.4	9.4	14.3	27.6	48.6	73.2	105.7	152.5	228.7	332.3
-45°	6.4	6.4	9.0	14.4	27.7	48.2	72.9	103.4	148.4	216.6	310.5
-47.5°	6.4	6.4	8.6	14.3	27.6	47.5	71.8	101.9	143.0	202.0	293.4
-50°	6.4	6.4	8.2	14.1	27.0	46.5	70.3	99.4	138.8	196.7	272.9
-52.5°	6.4	6.4	7.8	13.8	26.2	45.0	68.3	95.9	135.2	189.8	251.0
-55°	6.4	6.4	7.3	13.4	25.1	43.2	65.9	91.5	130.8	181.2	240.5
-57.5°	6.4	6.4	6.9	13.0	23.7	40.8	63.0	87.7	124.6	172.1	228.1
-60°	6.4	6.4	6.4	12.4	22.0	38.0	59.5	83.4	116.8	161.4	213.8
-62.5°	6.4	6.4	6.4	11.7	20.8	34.8	54.7	77.7	107.1	148.6	197.2
-65°	6.4	6.4	6.4	11.0	19.5	31.2	49.3	70.4	95.4	131.9	178.3
-67.5°	6.4	6.4	6.4	10.1	18.0	28.0	43.4	61.8	81.9	112.3	153.2
-70°	6.4	6.4	6.4	9.2	16.3	25.4	36.9	52.7	70.1	90.6	123.8
-72.5°	6.4	6.4	6.4	9.0	14.6	22.7	32.6	43.1	57.8	75.1	94.7
-75°	6.4	6.4	6.4	8.9	12.7	19.8	28.4	36.3	45.0	59.1	75.3
-77.5°	6.4	6.4	6.4	8.8	12.0	16.7	24.0	30.5	37.4	44.8	55.2
-80°	6.4	6.4	6.4	8.7	11.6	15.0	19.4	24.6	30.1	36.1	42.5
-82.5°	6.4	6.4	6.4	8.5	11.1	14.1	17.5	20.0	22.7	27.2	32.1
-85°	6.4	6.4	6.4	8.4	10.6	13.2	16.0	18.1	20.2	22.3	24.5
-87.5°	6.4	6.4	6.4	8.2	10.1	12.2	14.3	16.2	18.1	19.9	21.8
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.8	3.2	1.6	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	20.7	22.3	23.9
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.9	1.7	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	4.2	3.4	1.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.6	1.8	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.4	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.1	1.8	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.6	3.9	2.6	1.1	0.0	0.3	0.9	0.7	0.0	0.3	0.8
67.5°	6.0	4.4	2.9	1.8	2.4	3.2	3.0	3.2	3.5	3.8	3.3
65°	6.2	4.7	4.8	5.6	6.3	6.9	7.4	7.9	6.7	5.8	5.9
62.5°	6.7	7.2	8.3	9.3	10.2	11.1	11.1	9.9	7.6	9.5	10.8
60°	9.5	10.4	11.7	13.0	14.2	14.9	14.3	14.5	16.1	18.6	35.8
57.5°	12.8	13.6	15.2	17.2	19.0	19.3	19.8	21.5	50.5	82.4	91.1
55°	16.1	16.8	19.5	22.6	24.5	24.3	35.0	73.6	111.1	154.0	169.8
52.5°	19.4	20.7	25.3	29.1	31.5	49.1	88.5	141.0	196.4	245.6	309.1
50°	22.6	27.2	32.0	37.5	59.9	105.8	163.3	235.1	318.5	397.1	477.6
47.5°	28.3	34.1	41.3	59.2	118.1	181.8	261.4	376.8	479.7	574.8	685.2
45°	35.0	47.0	55.0	117.3	185.7	267.9	402.7	543.8	637.2	764.5	959.7
42.5°	41.9	65.1	105.2	177.2	260.6	393.1	560.3	680.5	804.8	1011.1	1216.4
40°	60.3	87.4	158.8	244.4	350.0	543.2	714.9	851.0	1020.6	1249.3	1463.7
37.5°	82.7	133.4	213.3	316.0	490.3	702.1	886.0	1080.3	1275.4	1491.0	1888.6
35°	107.6	176.1	282.5	421.1	630.8	878.3	1097.5	1314.7	1539.4	1964.1	2358.6
32.5°	140.0	215.4	354.8	543.2	782.5	1054.3	1308.7	1559.7	1920.3	2400.8	2796.7
30°	174.8	278.5	438.0	656.3	925.4	1215.4	1521.2	1825.3	2302.4	2700.0	3129.9
27.5°	211.3	345.2	535.6	774.4	1059.2	1367.4	1712.6	2146.3	2571.9	2964.8	3437.2
25°	248.7	414.7	624.9	887.3	1190.8	1531.8	1928.8	2457.1	2790.0	3224.2	3716.9
22.5°	296.8	481.2	713.2	989.7	1312.8	1700.6	2207.0	2737.5	3129.3	3494.5	3975.8
20°	352.4	556.0	809.4	1117.9	1432.3	1865.6	2483.7	3041.6	3502.4	3920.6	4362.7
17.5°	404.3	625.9	912.2	1248.9	1606.2	2077.0	2755.1	3372.6	3879.7	4345.7	4897.6
15°	452.4	690.7	1012.9	1372.8	1777.2	2319.2	2998.5	3676.6	4255.7	4780.0	5407.2
12.5°	496.3	749.8	1109.9	1488.8	1938.1	2528.0	3202.9	3864.8	4501.3	5184.5	5896.2
10°	535.9	802.9	1201.5	1595.9	2087.4	2704.6	3371.7	4021.7	4663.8	5386.8	6177.6
7.5°	578.4	852.7	1284.7	1693.2	2223.1	2850.4	3506.6	4147.6	4795.2	5548.7	6360.5
5°	617.6	898.4	1350.8	1763.0	2328.1	2964.2	3608.1	4243.2	4894.9	5669.3	6499.0
2.5°	652.1	936.8	1404.6	1817.7	2405.9	3048.0	3674.1	4322.9	4968.9	5767.3	6604.8
0°	681.4	968.0	1445.7	1859.7	2464.7	3107.9	3712.9	4375.3	5012.1	5833.7	6674.4
-2.5°	700.1	1019.1	1473.9	1932.9	2516.1	3147.2	3747.6	4390.0	5058.7	5854.8	6752.5
-5°	713.3	1060.5	1490.9	1989.4	2549.7	3164.5	3759.1	4378.6	5071.2	5849.5	6764.0
-7.5°	721.0	1089.8	1498.9	2021.4	2561.5	3154.1	3739.7	4357.0	5050.8	5829.4	6713.4
-10°	725.4	1098.9	1509.7	2011.8	2545.9	3119.9	3696.7	4306.5	4993.0	5764.3	6617.3
-12.5°	737.4	1093.1	1507.8	1990.4	2512.4	3068.4	3632.8	4226.4	4896.8	5653.2	6484.4
-15°	740.4	1079.9	1489.7	1958.9	2461.3	3000.9	3549.1	4116.5	4778.1	5544.9	6337.5
-17.5°	733.7	1060.2	1454.4	1918.6	2392.7	2919.1	3450.6	4017.6	4666.8	5420.1	6183.3
-20°	716.7	1034.5	1401.1	1871.1	2311.3	2828.3	3352.1	3913.8	4538.7	5246.9	6010.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	688.8	1003.5	1343.5	1804.8	2241.1	2723.9	3236.4	3772.4	4378.3	5022.2	5778.6
-25°	659.9	968.4	1298.1	1713.7	2156.5	2602.0	3103.6	3599.6	4189.9	4822.2	5493.4
-27.5°	632.6	919.5	1250.8	1614.0	2057.0	2471.9	2953.4	3437.2	3977.9	4597.7	5215.7
-30°	596.8	866.6	1193.2	1518.0	1938.0	2349.3	2785.9	3262.0	3748.3	4336.5	4944.5
-32.5°	565.2	811.6	1127.5	1444.9	1810.1	2211.3	2605.3	3059.1	3533.7	4035.1	4635.9
-35°	544.1	779.1	1058.0	1360.5	1679.6	2061.2	2435.9	2830.2	3289.8	3760.4	4287.9
-37.5°	527.0	741.7	984.7	1272.4	1576.3	1903.7	2254.5	2617.3	3018.3	3492.8	3988.8
-40°	500.1	699.6	930.4	1188.5	1456.6	1754.4	2080.0	2408.4	2756.1	3219.5	3708.9
-42.5°	465.7	658.9	879.3	1097.2	1342.2	1614.0	1903.4	2212.7	2546.8	2949.4	3399.2
-45°	439.2	606.9	822.5	1017.7	1220.4	1469.0	1740.8	2020.9	2336.1	2681.7	3085.7
-47.5°	405.5	550.2	748.1	930.5	1109.2	1321.4	1569.9	1835.1	2114.2	2425.6	2756.8
-50°	369.4	503.0	657.2	834.8	1005.1	1181.6	1393.6	1638.7	1892.0	2163.5	2458.9
-52.5°	342.1	447.7	588.5	736.3	898.7	1058.8	1239.3	1449.4	1675.7	1902.5	2162.4
-55°	311.2	407.0	523.0	655.6	793.8	942.0	1106.3	1290.5	1474.8	1683.2	1890.6
-57.5°	289.4	367.9	468.4	583.6	707.8	833.7	988.8	1144.5	1315.2	1487.6	1659.7
-60°	272.4	334.1	417.5	518.9	629.6	747.3	874.6	1018.4	1165.4	1306.1	1454.8
-62.5°	253.0	306.6	371.8	454.5	554.5	656.9	769.0	892.2	1025.2	1143.8	1259.0
-65°	227.8	274.4	330.4	397.7	476.2	562.8	658.3	762.2	877.1	973.3	1067.5
-67.5°	198.9	238.2	285.1	340.1	405.6	473.1	543.2	631.1	724.4	802.9	879.6
-70°	162.6	198.9	237.3	282.1	333.4	390.7	452.4	516.1	580.0	644.1	714.2
-72.5°	124.4	157.5	190.1	222.0	262.9	309.8	360.1	413.5	469.3	524.1	577.5
-75°	94.8	116.3	144.8	173.6	202.0	232.5	266.5	309.0	360.8	414.0	462.8
-77.5°	71.6	89.6	108.5	128.4	146.3	168.8	193.4	219.8	262.6	311.7	361.2
-80°	51.6	62.4	77.5	93.5	106.1	118.5	131.4	144.8	176.6	216.2	258.3
-82.5°	38.3	45.7	54.0	63.3	69.7	75.9	82.8	91.6	115.2	141.9	170.1
-85°	26.4	28.6	33.1	38.2	41.8	45.4	49.1	52.9	65.6	79.8	95.1
-87.5°	22.8	23.9	25.1	26.4	26.8	27.3	27.7	28.1	32.4	36.8	41.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	25.5	27.1	28.7	30.2	31.8	33.4	35.0	36.6	38.2	38.2	38.2
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°	0.5	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.9	3.3	3.3	2.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	6.7	6.4	4.8	3.1	1.5	2.4	3.9	4.6	4.7	4.2	3.2
62.5°	10.1	9.3	8.4	9.7	11.6	13.4	12.8	12.1	11.3	10.7	11.1
60°	37.7	25.1	29.0	36.4	34.0	23.3	38.4	43.4	37.0	25.3	24.4
57.5°	95.5	92.1	105.6	154.2	169.7	154.6	184.7	224.3	223.1	192.1	191.1
55°	203.4	272.9	356.7	370.3	428.7	545.7	636.8	596.9	596.7	626.7	723.4
52.5°	386.3	451.9	476.3	541.5	663.5	752.1	809.0	867.9	932.5	998.3	1065.1
50°	566.9	630.6	702.9	769.7	938.6	1029.5	1014.3	1136.4	1292.5	1390.0	1440.1
47.5°	831.6	931.9	1084.7	1324.1	1450.2	1541.4	1654.7	1792.9	1971.8	2214.4	2401.3
45°	1143.2	1301.0	1537.4	1791.7	1987.3	2076.5	2206.2	2420.2	2705.5	2983.2	3186.0
42.5°	1397.9	1614.4	1881.1	2124.0	2283.6	2430.0	2598.0	2778.5	3105.2	3401.9	3636.3
40°	1730.3	1898.9	2198.1	2427.2	2570.0	2715.2	2981.3	3251.4	3558.6	3835.1	4027.1
37.5°	2151.6	2341.4	2652.6	2911.6	3049.2	3100.5	3553.0	3929.0	4178.7	4531.6	4647.0
35°	2604.2	2916.5	3313.0	3649.0	3783.8	4053.0	4519.2	5043.9	5612.4	5821.5	5999.8
32.5°	3109.1	3494.5	4032.5	4393.0	4585.5	4993.9	5583.9	6144.0	6887.4	7290.8	7411.4
30°	3571.0	4013.2	4475.7	4826.1	5155.1	5647.0	6185.0	6875.6	7563.0	8078.9	8239.1
27.5°	3909.9	4399.3	4843.9	5172.0	5543.2	6073.6	6744.5	7443.8	8118.6	8644.9	8831.9
25°	4233.5	4786.7	5138.7	5520.2	5956.1	6534.1	7277.6	8054.6	8719.2	9164.0	9393.4
22.5°	4601.6	5147.0	5524.9	5848.0	6418.0	7084.0	7774.1	8652.1	9356.2	9711.2	9959.8
20°	4981.4	5598.6	6182.3	6482.9	6976.0	7819.3	8591.8	9420.8	10100.7	10470.6	10732.5
17.5°	5511.5	6297.9	7013.8	7439.4	7967.5	8975.9	9939.8	10778.4	11724.3	12058.4	12378.4
15°	6070.4	6980.5	7819.2	8493.5	9175.7	10174.8	11415.7	12427.6	13506.9	13988.9	14533.8
12.5°	6627.5	7488.7	8248.6	9118.5	10079.9	10963.7	12145.1	13405.1	14384.5	14999.3	15366.1
10°	7043.9	7843.8	8575.0	9447.0	10406.6	11406.4	12580.3	13871.9	14897.1	15421.7	15721.1
7.5°	7268.7	8034.3	8805.6	9689.2	10644.5	11709.2	12918.8	14200.2	15248.6	15756.8	16052.5
5°	7435.7	8171.0	8969.5	9899.7	10865.6	11945.3	13153.1	14419.4	15375.2	15915.3	16289.2
2.5°	7536.7	8257.6	9074.0	10035.8	11004.1	12128.5	13394.7	14707.3	15543.6	15978.1	16322.0
0°	7566.0	8292.0	9132.7	10107.1	11100.6	12234.2	13488.8	14788.1	15635.1	16055.4	16405.7
-2.5°	7599.0	8346.5	9210.2	10153.2	11138.4	12268.8	13549.4	14815.4	15577.4	16001.5	16334.8
-5°	7576.0	8350.7	9211.8	10115.0	11106.6	12228.0	13457.5	14641.2	15438.3	15896.8	16228.2
-7.5°	7507.4	8293.2	9145.3	10013.5	10986.2	12120.3	13344.6	14484.4	15291.8	15775.4	16137.9
-10°	7407.6	8170.5	9028.6	9907.7	10868.8	11948.4	13153.8	14286.8	15059.6	15573.0	15995.6
-12.5°	7297.1	8044.2	8871.2	9714.5	10665.0	11731.2	12899.2	13971.7	14739.9	15300.0	15601.9
-15°	7133.2	7879.9	8670.5	9486.2	10412.7	11447.1	12562.8	13591.8	14346.1	14801.8	15135.5
-17.5°	6924.9	7657.4	8407.0	9180.7	10053.5	11072.2	12194.7	13209.5	13824.5	14231.5	14559.4
-20°	6701.7	7379.1	8089.3	8819.4	9665.3	10674.4	11776.8	12662.0	13241.6	13632.7	13942.3



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	6446.8	7099.1	7749.2	8447.1	9276.6	10201.7	11175.4	12030.9	12654.1	13010.3	13296.4
-25°	6155.7	6790.3	7407.7	8081.7	8844.0	9675.7	10581.0	11421.6	11979.8	12358.1	12641.9
-27.5°	5842.3	6438.5	7041.6	7646.8	8332.2	9160.8	9999.2	10780.2	11256.6	11637.9	11923.4
-30°	5529.5	6065.7	6623.7	7196.7	7839.9	8587.0	9371.4	10028.0	10530.4	10900.9	11166.0
-32.5°	5190.5	5699.3	6193.6	6729.2	7334.9	7993.3	8681.6	9306.2	9843.1	10182.4	10405.8
-35°	4843.3	5335.9	5788.2	6274.4	6808.6	7376.8	8012.2	8628.2	9158.3	9426.9	9644.6
-37.5°	4481.6	4972.8	5401.7	5807.8	6268.0	6794.2	7413.0	8000.8	8458.8	8689.6	8885.8
-40°	4167.1	4599.5	4985.6	5374.2	5748.3	6215.6	6793.1	7362.2	7729.7	7954.6	8136.9
-42.5°	3861.7	4226.5	4542.7	4891.0	5265.5	5726.2	6192.1	6669.3	6964.7	7214.4	7406.4
-45°	3506.1	3832.2	4128.7	4418.4	4759.9	5180.5	5603.8	5986.0	6262.7	6504.0	6691.0
-47.5°	3112.9	3427.7	3715.6	3974.6	4292.0	4642.8	4999.2	5317.3	5590.5	5828.9	5995.7
-50°	2746.4	3027.6	3308.7	3570.9	3845.9	4129.7	4418.9	4698.0	4957.3	5189.0	5331.0
-52.5°	2418.0	2677.5	2923.2	3152.5	3393.1	3632.9	3872.3	4128.0	4366.6	4585.9	4699.3
-55°	2121.0	2355.0	2576.6	2769.7	2962.8	3153.0	3358.2	3594.3	3814.0	4017.1	4098.5
-57.5°	1854.3	2054.6	2250.8	2414.0	2571.7	2722.9	2903.1	3102.4	3294.7	3468.8	3535.3
-60°	1609.0	1767.9	1932.0	2076.9	2214.2	2343.9	2501.0	2661.5	2817.5	2948.7	3005.4
-62.5°	1383.4	1519.3	1643.6	1761.3	1877.7	1994.5	2121.3	2248.6	2374.6	2475.7	2526.9
-65°	1165.9	1274.0	1373.9	1470.7	1564.7	1662.8	1762.1	1858.8	1952.0	2024.3	2068.7
-67.5°	961.7	1043.9	1123.2	1198.6	1277.2	1356.7	1434.4	1508.5	1578.5	1634.4	1676.8
-70°	780.6	844.3	906.3	968.8	1034.4	1096.2	1154.7	1210.1	1262.3	1302.6	1335.2
-72.5°	629.2	680.9	734.4	790.7	843.7	889.9	932.0	972.5	1011.3	1034.0	1051.0
-75°	507.3	550.8	597.4	642.9	687.2	722.3	753.2	783.1	811.8	813.3	807.6
-77.5°	409.8	448.7	484.7	520.5	555.8	577.5	596.4	615.9	635.5	624.2	606.2
-80°	300.8	333.2	363.8	394.6	425.3	438.1	447.1	454.8	461.4	446.5	428.1
-82.5°	199.6	220.0	239.9	260.2	280.7	288.9	295.0	300.1	304.1	290.6	275.1
-85°	111.4	121.2	130.8	140.5	150.3	156.0	161.2	166.0	170.4	162.4	153.4
-87.5°	46.3	48.5	50.7	52.8	54.9	56.9	59.0	60.9	62.8	63.1	63.3
-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: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	36.6
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°	1.9	0.3	0.0	0.0	0.0	0.3	1.9	3.2	4.2	4.7	4.6
62.5°	11.6	12.1	12.6	12.7	12.6	12.1	11.6	11.1	10.7	11.3	12.1
60°	22.5	19.7	19.0	19.1	19.0	19.7	22.5	24.4	25.3	37.0	43.4
57.5°	176.5	151.1	155.0	172.0	155.0	151.1	176.5	191.1	192.1	223.1	224.3
55°	825.0	921.0	954.9	936.2	954.9	921.0	825.0	723.4	626.7	596.7	596.9
52.5°	1117.8	1157.2	1172.4	1171.8	1172.4	1157.2	1117.8	1065.1	998.3	932.5	867.9
50°	1455.2	1441.9	1421.4	1401.1	1421.4	1441.9	1455.2	1440.1	1390.0	1292.5	1136.4
47.5°	2428.7	2386.6	2368.9	2401.0	2368.9	2386.6	2428.7	2401.3	2214.4	1971.8	1792.9
45°	3227.4	3276.8	3313.6	3311.7	3313.6	3276.8	3227.4	3186.0	2983.2	2705.5	2420.2
42.5°	3682.3	3708.5	3716.1	3706.6	3716.1	3708.5	3682.3	3636.3	3401.9	3105.2	2778.5
40°	4087.5	4118.9	4136.5	4152.4	4136.5	4118.9	4087.5	4027.1	3835.1	3558.6	3251.4
37.5°	4685.0	4696.5	4671.5	4655.5	4671.5	4696.5	4685.0	4647.0	4531.6	4178.7	3929.0
35°	6150.0	6180.1	6110.6	6184.0	6110.6	6180.1	6150.0	5999.8	5821.5	5612.4	5043.9
32.5°	7555.0	7695.7	7809.4	7903.5	7809.4	7695.7	7555.0	7411.4	7290.8	6887.4	6144.0
30°	8350.9	8441.6	8490.4	8502.2	8490.4	8441.6	8350.9	8239.1	8078.9	7563.0	6875.6
27.5°	8935.3	9030.4	9089.6	9132.7	9089.6	9030.4	8935.3	8831.9	8644.9	8118.6	7443.8
25°	9498.5	9585.4	9644.6	9667.6	9644.6	9585.4	9498.5	9393.4	9164.0	8719.2	8054.6
22.5°	10082.9	10143.3	10200.1	10228.1	10200.1	10143.3	10082.9	9959.8	9711.2	9356.2	8652.1
20°	10920.6	10887.9	10939.7	10922.3	10939.7	10887.9	10920.6	10732.5	10470.6	10100.7	9420.8
17.5°	12628.0	12645.7	12680.4	12737.3	12680.4	12645.7	12628.0	12378.4	12058.4	11724.3	10778.4
15°	14775.2	14818.4	15038.0	15233.9	15038.0	14818.4	14775.2	14533.8	13988.9	13506.9	12427.6
12.5°	15706.5	15856.0	15879.2	15934.4	15879.2	15856.0	15706.5	15366.1	14999.3	14384.5	13405.1
10°	16017.3	16276.2	16270.7	16335.6	16270.7	16276.2	16017.3	15721.1	15421.7	14897.1	13871.9
7.5°	16253.0	16531.1	16648.6	16698.7	16648.6	16531.1	16253.0	16052.5	15756.8	15248.6	14200.2
5°	16541.1	16693.9	16896.7	16838.8	16896.7	16693.9	16541.1	16289.2	15915.3	15375.2	14419.4
2.5°	16661.8	16901.2	16846.0	16902.5	16846.0	16901.2	16661.8	16322.0	15978.1	15543.6	14707.3
0°	16743.2	16915.2	16940.7	16998.0	16940.7	16915.2	16743.2	16405.7	16055.4	15635.1	14788.1
-2.5°	16644.5	16795.8	17060.8	16978.9	17060.8	16795.8	16644.5	16334.8	16001.5	15577.4	14815.4
-5°	16557.9	16930.3	16785.7	16966.1	16785.7	16930.3	16557.9	16228.2	15896.8	15438.3	14641.2
-7.5°	16513.2	16579.8	16675.8	16813.3	16675.8	16579.8	16513.2	16137.9	15775.4	15291.8	14484.4
-10°	16167.5	16235.7	16412.0	16507.6	16412.0	16235.7	16167.5	15995.6	15573.0	15059.6	14286.8
-12.5°	15792.6	15924.5	16109.8	16170.1	16109.8	15924.5	15792.6	15601.9	15300.0	14739.9	13971.7
-15°	15360.8	15556.7	15737.3	15775.2	15737.3	15556.7	15360.8	15135.5	14801.8	14346.1	13591.8
-17.5°	14811.6	15046.5	15236.3	15278.4	15236.3	15046.5	14811.6	14559.4	14231.5	13824.5	13209.5
-20°	14206.5	14431.5	14592.9	14641.6	14592.9	14431.5	14206.5	13942.3	13632.7	13241.6	12662.0



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	13558.7	13761.3	13897.7	13877.3	13897.7	13761.3	13558.7	13296.4	13010.3	12654.1	12030.9
-25°	12870.9	13058.9	13188.9	13170.4	13188.9	13058.9	12870.9	12641.9	12358.1	11979.8	11421.6
-27.5°	12143.8	12321.9	12446.8	12450.8	12446.8	12321.9	12143.8	11923.4	11637.9	11256.6	10780.2
-30°	11379.7	11541.5	11642.9	11603.7	11642.9	11541.5	11379.7	11166.0	10900.9	10530.4	10028.0
-32.5°	10591.6	10737.9	10830.9	10858.6	10830.9	10737.9	10591.6	10405.8	10182.4	9843.1	9306.2
-35°	9814.3	9943.3	10023.6	10043.4	10023.6	9943.3	9814.3	9644.6	9426.9	9158.3	8628.2
-37.5°	9041.9	9152.9	9209.0	9183.6	9209.0	9152.9	9041.9	8885.8	8689.6	8458.8	8000.8
-40°	8278.7	8384.4	8448.7	8464.0	8448.7	8384.4	8278.7	8136.9	7954.6	7729.7	7362.2
-42.5°	7528.4	7616.2	7672.6	7699.7	7672.6	7616.2	7528.4	7406.4	7214.4	6964.7	6669.3
-45°	6800.1	6878.7	6931.6	6961.0	6931.6	6878.7	6800.1	6691.0	6504.0	6262.7	5986.0
-47.5°	6091.5	6160.4	6206.1	6228.6	6206.1	6160.4	6091.5	5995.7	5828.9	5590.5	5317.3
-50°	5414.0	5473.7	5516.2	5540.7	5516.2	5473.7	5414.0	5331.0	5189.0	4957.3	4698.0
-52.5°	4771.5	4823.6	4859.9	4878.4	4859.9	4823.6	4771.5	4699.3	4585.9	4366.6	4128.0
-55°	4157.9	4200.2	4233.7	4254.3	4233.7	4200.2	4157.9	4098.5	4017.1	3814.0	3594.3
-57.5°	3585.7	3620.2	3652.0	3674.7	3652.0	3620.2	3585.7	3535.3	3468.8	3294.7	3102.4
-60°	3050.1	3082.7	3109.8	3127.0	3109.8	3082.7	3050.1	3005.4	2948.7	2817.5	2661.5
-62.5°	2566.8	2595.7	2620.5	2636.6	2620.5	2595.7	2566.8	2526.9	2475.7	2374.6	2248.6
-65°	2103.5	2129.4	2147.9	2159.0	2147.9	2129.4	2103.5	2068.7	2024.3	1952.0	1858.8
-67.5°	1713.0	1742.8	1748.7	1745.0	1748.7	1742.8	1713.0	1676.8	1634.4	1578.5	1508.5
-70°	1364.4	1389.6	1395.5	1394.7	1395.5	1389.6	1364.4	1335.2	1302.6	1262.3	1210.1
-72.5°	1066.8	1080.5	1068.8	1050.8	1068.8	1080.5	1066.8	1051.0	1034.0	1011.3	972.5
-75°	800.5	791.8	779.4	764.2	779.4	791.8	800.5	807.6	813.3	811.8	783.1
-77.5°	586.3	564.6	550.4	535.0	550.4	564.6	586.3	606.2	624.2	635.5	615.9
-80°	408.2	387.0	372.3	356.6	372.3	387.0	408.2	428.1	446.5	461.4	454.8
-82.5°	258.6	241.1	232.2	222.9	232.2	241.1	258.6	275.1	290.6	304.1	300.1
-85°	143.6	133.3	127.2	121.0	127.2	133.3	143.6	153.4	162.4	170.4	166.0
-87.5°	63.5	63.6	60.5	57.3	60.5	63.6	63.5	63.3	63.1	62.8	60.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	35.0	33.4	31.8	30.2	28.7	27.1	25.5	23.9	22.3	20.7	19.1
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	0.5	0.8	0.3	0.0	0.7
67.5°	0.0	0.0	1.1	2.6	3.3	3.3	2.9	3.3	3.8	3.5	3.2
65°	3.9	2.4	1.5	3.1	4.8	6.4	6.7	5.9	5.8	6.7	7.9
62.5°	12.8	13.4	11.6	9.7	8.4	9.3	10.1	10.8	9.5	7.6	9.9
60°	38.4	23.3	34.0	36.4	29.0	25.1	37.7	35.8	18.6	16.1	14.5
57.5°	184.7	154.6	169.7	154.2	105.6	92.1	95.5	91.1	82.4	50.5	21.5
55°	636.8	545.7	428.7	370.3	356.7	272.9	203.4	169.8	154.0	111.1	73.6
52.5°	809.0	752.1	663.5	541.5	476.3	451.9	386.3	309.1	245.6	196.4	141.0
50°	1014.3	1029.5	938.6	769.7	702.9	630.6	566.9	477.6	397.1	318.5	235.1
47.5°	1654.7	1541.4	1450.2	1324.1	1084.7	931.9	831.6	685.2	574.8	479.7	376.8
45°	2206.2	2076.5	1987.3	1791.7	1537.4	1301.0	1143.2	959.7	764.5	637.2	543.8
42.5°	2598.0	2430.0	2283.6	2124.0	1881.1	1614.4	1397.9	1216.4	1011.1	804.8	680.5
40°	2981.3	2715.2	2570.0	2427.2	2198.1	1898.9	1730.3	1463.7	1249.3	1020.6	851.0
37.5°	3553.0	3100.5	3049.2	2911.6	2652.6	2341.4	2151.6	1888.6	1491.0	1275.4	1080.3
35°	4519.2	4053.0	3783.8	3649.0	3313.0	2916.5	2604.2	2358.6	1964.1	1539.4	1314.7
32.5°	5583.9	4993.9	4585.5	4393.0	4032.5	3494.5	3109.1	2796.7	2400.8	1920.3	1559.7
30°	6185.0	5647.0	5155.1	4826.1	4475.7	4013.2	3571.0	3129.9	2700.0	2302.4	1825.3
27.5°	6744.5	6073.6	5543.2	5172.0	4843.9	4399.3	3909.9	3437.2	2964.8	2571.9	2146.3
25°	7277.6	6534.1	5956.1	5520.2	5138.7	4786.7	4233.5	3716.9	3224.2	2790.0	2457.1
22.5°	7774.1	7084.0	6418.0	5848.0	5524.9	5147.0	4601.6	3975.8	3494.5	3129.3	2737.5
20°	8591.8	7819.3	6976.0	6482.9	6182.3	5598.6	4981.4	4362.7	3920.6	3502.4	3041.6
17.5°	9939.8	8975.9	7967.5	7439.4	7013.8	6297.9	5511.5	4897.6	4345.7	3879.7	3372.6
15°	11415.7	10174.8	9175.7	8493.5	7819.2	6980.5	6070.4	5407.2	4780.0	4255.7	3676.6
12.5°	12145.1	10963.7	10079.9	9118.5	8248.6	7488.7	6627.5	5896.2	5184.5	4501.3	3864.8
10°	12580.3	11406.4	10406.6	9447.0	8575.0	7843.8	7043.9	6177.6	5386.8	4663.8	4021.7
7.5°	12918.8	11709.2	10644.5	9689.2	8805.6	8034.3	7268.7	6360.5	5548.7	4795.2	4147.6
5°	13153.1	11945.3	10865.6	9899.7	8969.5	8171.0	7435.7	6499.0	5669.3	4894.9	4243.2
2.5°	13394.7	12128.5	11004.1	10035.8	9074.0	8257.6	7536.7	6604.8	5767.3	4968.9	4322.9
0°	13488.8	12234.2	11100.6	10107.1	9132.7	8292.0	7566.0	6674.4	5833.7	5012.1	4375.3
-2.5°	13549.4	12268.8	11138.4	10153.2	9210.2	8346.5	7599.0	6752.5	5854.8	5058.7	4390.0
-5°	13457.5	12228.0	11106.6	10115.0	9211.8	8350.7	7576.0	6764.0	5849.5	5071.2	4378.6
-7.5°	13344.6	12120.3	10986.2	10013.5	9145.3	8293.2	7507.4	6713.4	5829.4	5050.8	4357.0
-10°	13153.8	11948.4	10868.8	9907.7	9028.6	8170.5	7407.6	6617.3	5764.3	4993.0	4306.5
-12.5°	12899.2	11731.2	10665.0	9714.5	8871.2	8044.2	7297.1	6484.4	5653.2	4896.8	4226.4
-15°	12562.8	11447.1	10412.7	9486.2	8670.5	7879.9	7133.2	6337.5	5544.9	4778.1	4116.5
-17.5°	12194.7	11072.2	10053.5	9180.7	8407.0	7657.4	6924.9	6183.3	5420.1	4666.8	4017.6
-20°	11776.8	10674.4	9665.3	8819.4	8089.3	7379.1	6701.7	6010.7	5246.9	4538.7	3913.8



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	11175.4	10201.7	9276.6	8447.1	7749.2	7099.1	6446.8	5778.6	5022.2	4378.3	3772.4
-25°	10581.0	9675.7	8844.0	8081.7	7407.7	6790.3	6155.7	5493.4	4822.2	4189.9	3599.6
-27.5°	9999.2	9160.8	8332.2	7646.8	7041.6	6438.5	5842.3	5215.7	4597.7	3977.9	3437.2
-30°	9371.4	8587.0	7839.9	7196.7	6623.7	6065.7	5529.5	4944.5	4336.5	3748.3	3262.0
-32.5°	8681.6	7993.3	7334.9	6729.2	6193.6	5699.3	5190.5	4635.9	4035.1	3533.7	3059.1
-35°	8012.2	7376.8	6808.6	6274.4	5788.2	5335.9	4843.3	4287.9	3760.4	3289.8	2830.2
-37.5°	7413.0	6794.2	6268.0	5807.8	5401.7	4972.8	4481.6	3988.8	3492.8	3018.3	2617.3
-40°	6793.1	6215.6	5748.3	5374.2	4985.6	4599.5	4167.1	3708.9	3219.5	2756.1	2408.4
-42.5°	6192.1	5726.2	5265.5	4891.0	4542.7	4226.5	3861.7	3399.2	2949.4	2546.8	2212.7
-45°	5603.8	5180.5	4759.9	4418.4	4128.7	3832.2	3506.1	3085.7	2681.7	2336.1	2020.9
-47.5°	4999.2	4642.8	4292.0	3974.6	3715.6	3427.7	3112.9	2756.8	2425.6	2114.2	1835.1
-50°	4418.9	4129.7	3845.9	3570.9	3308.7	3027.6	2746.4	2458.9	2163.5	1892.0	1638.7
-52.5°	3872.3	3632.9	3393.1	3152.5	2923.2	2677.5	2418.0	2162.4	1902.5	1675.7	1449.4
-55°	3358.2	3153.0	2962.8	2769.7	2576.6	2355.0	2121.0	1890.6	1683.2	1474.8	1290.5
-57.5°	2903.1	2722.9	2571.7	2414.0	2250.8	2054.6	1854.3	1659.7	1487.6	1315.2	1144.5
-60°	2501.0	2343.9	2214.2	2076.9	1932.0	1767.9	1609.0	1454.8	1306.1	1165.4	1018.4
-62.5°	2121.3	1994.5	1877.7	1761.3	1643.6	1519.3	1383.4	1259.0	1143.8	1025.2	892.2
-65°	1762.1	1662.8	1564.7	1470.7	1373.9	1274.0	1165.9	1067.5	973.3	877.1	762.2
-67.5°	1434.4	1356.7	1277.2	1198.6	1123.2	1043.9	961.7	879.6	802.9	724.4	631.1
-70°	1154.7	1096.2	1034.4	968.8	906.3	844.3	780.6	714.2	644.1	580.0	516.1
-72.5°	932.0	889.9	843.7	790.7	734.4	680.9	629.2	577.5	524.1	469.3	413.5
-75°	753.2	722.3	687.2	642.9	597.4	550.8	507.3	462.8	414.0	360.8	309.0
-77.5°	596.4	577.5	555.8	520.5	484.7	448.7	409.8	361.2	311.7	262.6	219.8
-80°	447.1	438.1	425.3	394.6	363.8	333.2	300.8	258.3	216.2	176.6	144.8
-82.5°	295.0	288.9	280.7	260.2	239.9	220.0	199.6	170.1	141.9	115.2	91.6
-85°	161.2	156.0	150.3	140.5	130.8	121.2	111.4	95.1	79.8	65.6	52.9
-87.5°	59.0	56.9	54.9	52.8	50.7	48.5	46.3	41.5	36.8	32.4	28.1
-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: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	17.5	15.9	14.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.4
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	1.0	1.9
82.5°	0.0	0.0	0.0	0.1	1.1	1.7	1.9	1.7	0.9	0.2	0.5
80°	0.0	0.0	0.0	0.2	1.6	3.4	4.2	4.4	3.4	2.3	1.3
77.5°	0.0	0.0	0.0	0.1	0.7	1.8	3.6	5.8	5.8	4.5	3.2
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.4	3.4	5.2	6.3	5.0
72.5°	0.0	0.0	0.0	0.8	1.7	1.8	1.1	1.1	3.7	5.4	6.3
70°	0.9	0.3	0.0	1.1	2.6	3.9	3.6	2.9	2.4	4.7	6.1
67.5°	3.0	3.2	2.4	1.8	2.9	4.4	6.0	5.7	4.9	4.2	5.9
65°	7.4	6.9	6.3	5.6	4.8	4.7	6.2	7.9	7.4	6.4	5.8
62.5°	11.1	11.1	10.2	9.3	8.3	7.2	6.7	8.8	9.7	8.6	7.2
60°	14.3	14.9	14.2	13.0	11.7	10.4	9.5	10.0	11.1	10.7	9.1
57.5°	19.8	19.3	19.0	17.2	15.2	13.6	12.8	12.5	12.8	12.6	11.0
55°	35.0	24.3	24.5	22.6	19.5	16.8	16.1	15.5	14.8	14.5	12.9
52.5°	88.5	49.1	31.5	29.1	25.3	20.7	19.4	18.5	17.5	16.6	14.7
50°	163.3	105.8	59.9	37.5	32.0	27.2	22.6	21.5	20.2	18.9	16.5
47.5°	261.4	181.8	118.1	59.2	41.3	34.1	28.3	24.4	22.9	21.3	18.3
45°	402.7	267.9	185.7	117.3	55.0	47.0	35.0	27.4	25.6	23.5	20.1
42.5°	560.3	393.1	260.6	177.2	105.2	65.1	41.9	33.2	28.2	25.9	22.0
40°	714.9	543.2	350.0	244.4	158.8	87.4	60.3	39.7	30.8	28.4	24.2
37.5°	886.0	702.1	490.3	316.0	213.3	133.4	82.7	46.2	35.0	31.0	26.4
35°	1097.5	878.3	630.8	421.1	282.5	176.1	107.6	58.9	43.0	33.8	28.8
32.5°	1308.7	1054.3	782.5	543.2	354.8	215.4	140.0	84.0	52.5	36.7	31.1
30°	1521.2	1215.4	925.4	656.3	438.0	278.5	174.8	108.5	63.2	39.7	33.6
27.5°	1712.6	1367.4	1059.2	774.4	535.6	345.2	211.3	132.2	75.1	45.0	36.0
25°	1928.8	1531.8	1190.8	887.3	624.9	414.7	248.7	155.4	92.6	54.2	38.5
22.5°	2207.0	1700.6	1312.8	989.7	713.2	481.2	296.8	186.0	111.7	63.9	41.0
20°	2483.7	1865.6	1432.3	1117.9	809.4	556.0	352.4	216.5	129.9	74.0	43.5
17.5°	2755.1	2077.0	1606.2	1248.9	912.2	625.9	404.3	246.4	147.0	84.3	46.0
15°	2998.5	2319.2	1777.2	1372.8	1012.9	690.7	452.4	275.5	163.1	94.6	49.2
12.5°	3202.9	2528.0	1938.1	1488.8	1109.9	749.8	496.3	303.4	178.0	106.1	53.6
10°	3371.7	2704.6	2087.4	1595.9	1201.5	802.9	535.9	331.3	195.3	118.2	58.2
7.5°	3506.6	2850.4	2223.1	1693.2	1284.7	852.7	578.4	360.7	212.1	129.8	63.0
5°	3608.1	2964.2	2328.1	1763.0	1350.8	898.4	617.6	387.8	227.7	140.6	67.7
2.5°	3674.1	3048.0	2405.9	1817.7	1404.6	936.8	652.1	412.0	242.0	150.5	72.2
0°	3712.9	3107.9	2464.7	1859.7	1445.7	968.0	681.4	433.1	254.7	159.2	76.4
-2.5°	3747.6	3147.2	2516.1	1932.9	1473.9	1019.1	700.1	452.1	274.8	165.5	84.2
-5°	3759.1	3164.5	2549.7	1989.4	1490.9	1060.5	713.3	467.6	292.4	170.6	91.3
-7.5°	3739.7	3154.1	2561.5	2021.4	1498.9	1089.8	721.0	479.7	306.8	174.6	97.5
-10°	3696.7	3119.9	2545.9	2011.8	1509.7	1098.9	725.4	488.6	317.2	177.5	102.7
-12.5°	3632.8	3068.4	2512.4	1990.4	1507.8	1093.1	737.4	495.5	322.7	179.5	106.5
-15°	3549.1	3000.9	2461.3	1958.9	1489.7	1079.9	740.4	498.1	322.1	183.3	108.9
-17.5°	3450.6	2919.1	2392.7	1918.6	1454.4	1060.2	733.7	495.0	318.9	188.8	111.2
-20°	3352.1	2828.3	2311.3	1871.1	1401.1	1034.5	716.7	485.9	313.0	192.3	113.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	3236.4	2723.9	2241.1	1804.8	1343.5	1003.5	688.8	470.5	304.6	193.9	114.5
-25°	3103.6	2602.0	2156.5	1713.7	1298.1	968.4	659.9	448.4	293.8	193.4	114.1
-27.5°	2953.4	2471.9	2057.0	1614.0	1250.8	919.5	632.6	432.3	284.6	190.6	112.4
-30°	2785.9	2349.3	1938.0	1518.0	1193.2	866.6	596.8	414.2	280.5	187.1	109.3
-32.5°	2605.3	2211.3	1810.1	1444.9	1127.5	811.6	565.2	393.8	273.5	182.5	109.4
-35°	2435.9	2061.2	1679.6	1360.5	1058.0	779.1	544.1	371.1	263.6	176.2	110.1
-37.5°	2254.5	1903.7	1576.3	1272.4	984.7	741.7	527.0	361.0	250.8	168.1	109.6
-40°	2080.0	1754.4	1456.6	1188.5	930.4	699.6	500.1	349.6	238.6	158.1	108.2
-42.5°	1903.4	1614.0	1342.2	1097.2	879.3	658.9	465.7	332.3	228.7	152.5	105.7
-45°	1740.8	1469.0	1220.4	1017.7	822.5	606.9	439.2	310.5	216.6	148.4	103.4
-47.5°	1569.9	1321.4	1109.2	930.5	748.1	550.2	405.5	293.4	202.0	143.0	101.9
-50°	1393.6	1181.6	1005.1	834.8	657.2	503.0	369.4	272.9	196.7	138.8	99.4
-52.5°	1239.3	1058.8	898.7	736.3	588.5	447.7	342.1	251.0	189.8	135.2	95.9
-55°	1106.3	942.0	793.8	655.6	523.0	407.0	311.2	240.5	181.2	130.8	91.5
-57.5°	988.8	833.7	707.8	583.6	468.4	367.9	289.4	228.1	172.1	124.6	87.7
-60°	874.6	747.3	629.6	518.9	417.5	334.1	272.4	213.8	161.4	116.8	83.4
-62.5°	769.0	656.9	554.5	454.5	371.8	306.6	253.0	197.2	148.6	107.1	77.7
-65°	658.3	562.8	476.2	397.7	330.4	274.4	227.8	178.3	131.9	95.4	70.4
-67.5°	543.2	473.1	405.6	340.1	285.1	238.2	198.9	153.2	112.3	81.9	61.8
-70°	452.4	390.7	333.4	282.1	237.3	198.9	162.6	123.8	90.6	70.1	52.7
-72.5°	360.1	309.8	262.9	222.0	190.1	157.5	124.4	94.7	75.1	57.8	43.1
-75°	266.5	232.5	202.0	173.6	144.8	116.3	94.8	75.3	59.1	45.0	36.3
-77.5°	193.4	168.8	146.3	128.4	108.5	89.6	71.6	55.2	44.8	37.4	30.5
-80°	131.4	118.5	106.1	93.5	77.5	62.4	51.6	42.5	36.1	30.1	24.6
-82.5°	82.8	75.9	69.7	63.3	54.0	45.7	38.3	32.1	27.2	22.7	20.0
-85°	49.1	45.4	41.8	38.2	33.1	28.6	26.4	24.5	22.3	20.2	18.1
-87.5°	27.7	27.3	26.8	26.4	25.1	23.9	22.8	21.8	19.9	18.1	16.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8

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REPORT NUMBER: P627640 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.7	11.1	9.6	8.0	6.4	6.4	6.4
87.5°	4.7	5.4	5.8	6.2	6.4	6.4	6.4
85°	3.1	4.3	5.3	6.0	6.4	6.4	6.4
82.5°	1.5	3.3	4.8	5.8	6.4	6.4	6.4
80°	0.3	2.4	4.3	5.6	6.4	6.4	6.4
77.5°	2.0	2.1	3.8	5.4	6.4	6.4	6.4
75°	3.6	3.2	3.5	5.3	6.4	6.4	6.4
72.5°	5.1	4.1	4.1	5.2	6.4	6.4	6.4
70°	6.4	5.1	4.6	5.1	6.4	6.4	6.4
67.5°	6.6	6.0	5.1	5.3	6.4	6.4	6.4
65°	6.8	6.6	5.6	5.6	6.4	6.4	6.4
62.5°	7.2	7.1	6.0	5.7	6.4	6.4	6.4
60°	7.6	7.7	6.4	5.9	6.4	6.4	6.4
57.5°	9.1	8.3	7.0	6.1	6.5	6.4	6.4
55°	10.7	8.9	7.6	6.2	6.6	6.4	6.4
52.5°	12.3	9.7	8.3	6.3	6.7	6.4	6.4
50°	13.8	11.0	9.0	6.4	6.8	6.4	6.4
47.5°	15.3	12.3	9.7	6.5	7.0	6.4	6.4
45°	16.8	13.6	10.5	7.1	7.2	6.4	6.4
42.5°	18.3	14.8	11.3	7.7	7.4	6.4	6.4
40°	19.7	15.9	12.1	8.5	7.6	6.4	6.4
37.5°	21.1	17.1	13.1	9.3	7.8	6.4	6.4
35°	22.4	18.2	13.9	10.1	8.1	6.4	6.4
32.5°	23.9	19.3	14.8	10.9	8.4	6.4	6.4
30°	25.8	20.3	15.6	11.7	8.7	6.4	6.4
27.5°	27.7	21.3	16.6	12.5	9.0	6.4	6.4
25°	29.6	22.2	17.6	13.2	9.3	6.4	6.4
22.5°	31.4	23.2	18.6	14.0	9.7	6.4	6.4
20°	33.3	24.4	19.5	14.6	10.0	6.4	6.4
17.5°	35.1	25.5	20.4	15.3	10.4	6.4	6.4
15°	36.9	26.6	21.3	15.9	10.7	6.4	6.4
12.5°	38.5	27.6	22.1	16.6	11.1	6.4	6.4
10°	40.0	28.5	22.9	17.1	11.4	6.4	6.4
7.5°	41.4	29.4	23.6	17.7	11.8	6.4	6.4
5°	42.6	30.3	24.3	18.2	12.1	6.4	6.4
2.5°	43.7	31.1	24.9	18.7	12.4	6.4	6.4
0°	44.6	31.8	25.5	19.1	12.7	6.4	6.4
-2.5°	47.1	32.5	26.0	19.1	12.7	6.4	6.4
-5°	49.3	33.1	26.5	19.0	12.7	6.4	6.4
-7.5°	51.3	33.6	26.9	18.9	12.6	6.4	6.4
-10°	53.0	34.1	27.2	18.8	12.5	6.4	6.4
-12.5°	54.2	34.6	27.4	18.6	12.4	6.4	6.4
-15°	55.0	34.9	27.5	18.4	12.3	6.4	6.4
-17.5°	55.2	35.2	27.4	18.2	12.1	6.4	6.4
-20°	56.7	35.4	27.2	17.9	11.9	6.4	6.4

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CATALOG NUMBER: GFLD-SA5C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	60.3	35.5	26.9	17.6	11.7	6.4	6.4
-25°	63.3	37.9	26.4	17.3	11.5	6.4	6.4
-27.5°	65.6	40.8	25.8	16.9	11.3	6.4	6.4
-30°	67.2	43.4	25.2	16.5	11.0	6.4	6.4
-32.5°	68.0	45.5	26.1	16.1	10.7	6.4	6.4
-35°	69.9	47.1	26.8	15.6	10.4	6.4	6.4
-37.5°	71.7	48.2	27.2	15.1	10.1	6.4	6.4
-40°	72.9	48.6	27.4	14.6	9.7	6.4	6.4
-42.5°	73.2	48.6	27.6	14.3	9.4	6.4	6.4
-45°	72.9	48.2	27.7	14.4	9.0	6.4	6.4
-47.5°	71.8	47.5	27.6	14.3	8.6	6.4	6.4
-50°	70.3	46.5	27.0	14.1	8.2	6.4	6.4
-52.5°	68.3	45.0	26.2	13.8	7.8	6.4	6.4
-55°	65.9	43.2	25.1	13.4	7.3	6.4	6.4
-57.5°	63.0	40.8	23.7	13.0	6.9	6.4	6.4
-60°	59.5	38.0	22.0	12.4	6.4	6.4	6.4
-62.5°	54.7	34.8	20.8	11.7	6.4	6.4	6.4
-65°	49.3	31.2	19.5	11.0	6.4	6.4	6.4
-67.5°	43.4	28.0	18.0	10.1	6.4	6.4	6.4
-70°	36.9	25.4	16.3	9.2	6.4	6.4	6.4
-72.5°	32.6	22.7	14.6	9.0	6.4	6.4	6.4
-75°	28.4	19.8	12.7	8.9	6.4	6.4	6.4
-77.5°	24.0	16.7	12.0	8.8	6.4	6.4	6.4
-80°	19.4	15.0	11.6	8.7	6.4	6.4	6.4
-82.5°	17.5	14.1	11.1	8.5	6.4	6.4	6.4
-85°	16.0	13.2	10.6	8.4	6.4	6.4	6.4
-87.5°	14.3	12.2	10.1	8.2	6.4	6.4	6.4
-90°	6.4	6.4	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)