

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: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627380 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-727-U-VWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

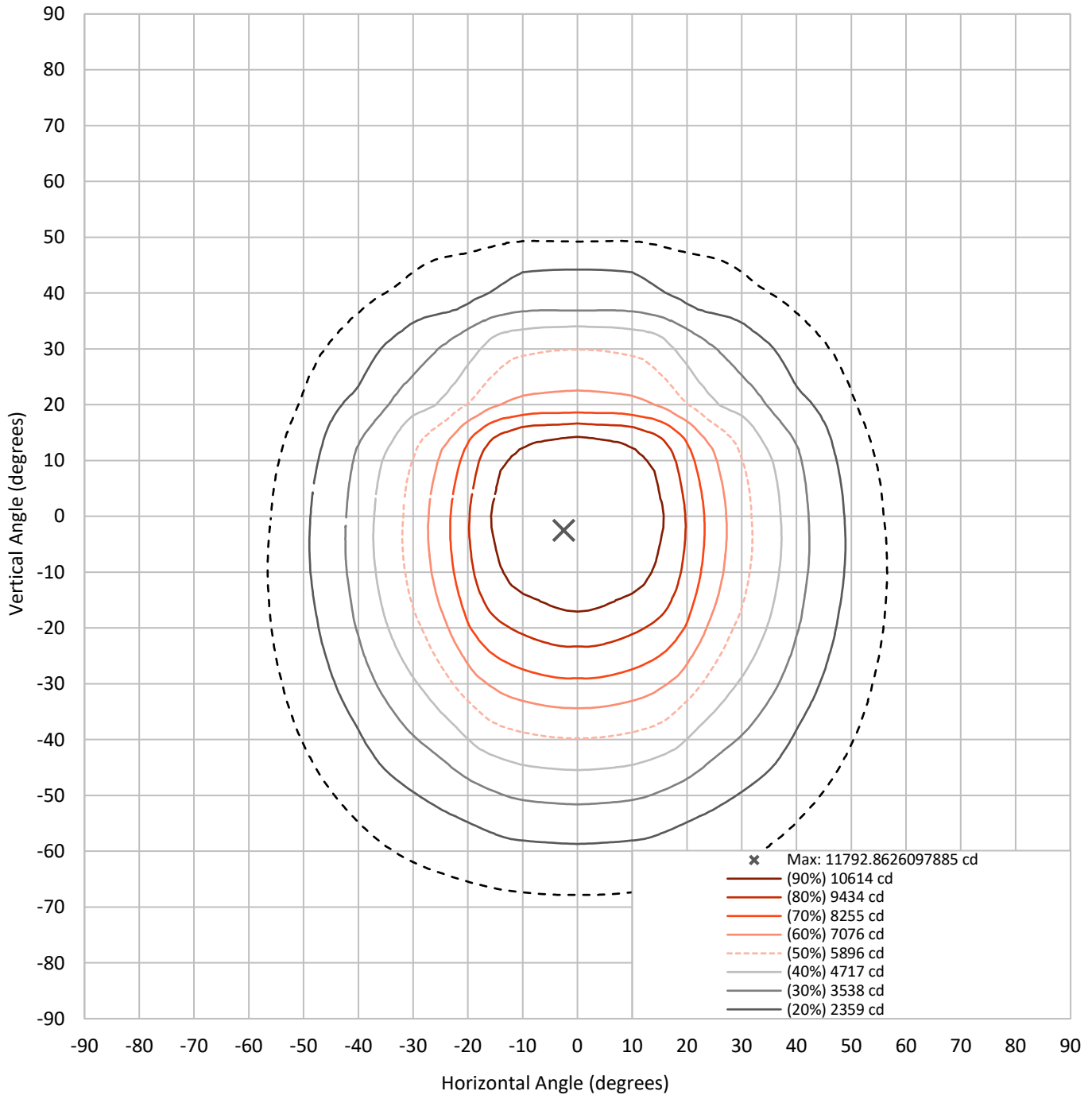
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	15737.9 lumens	Max Intensity:	11792.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	93.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	9105.5 lumens	Field Lumens:	14934.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





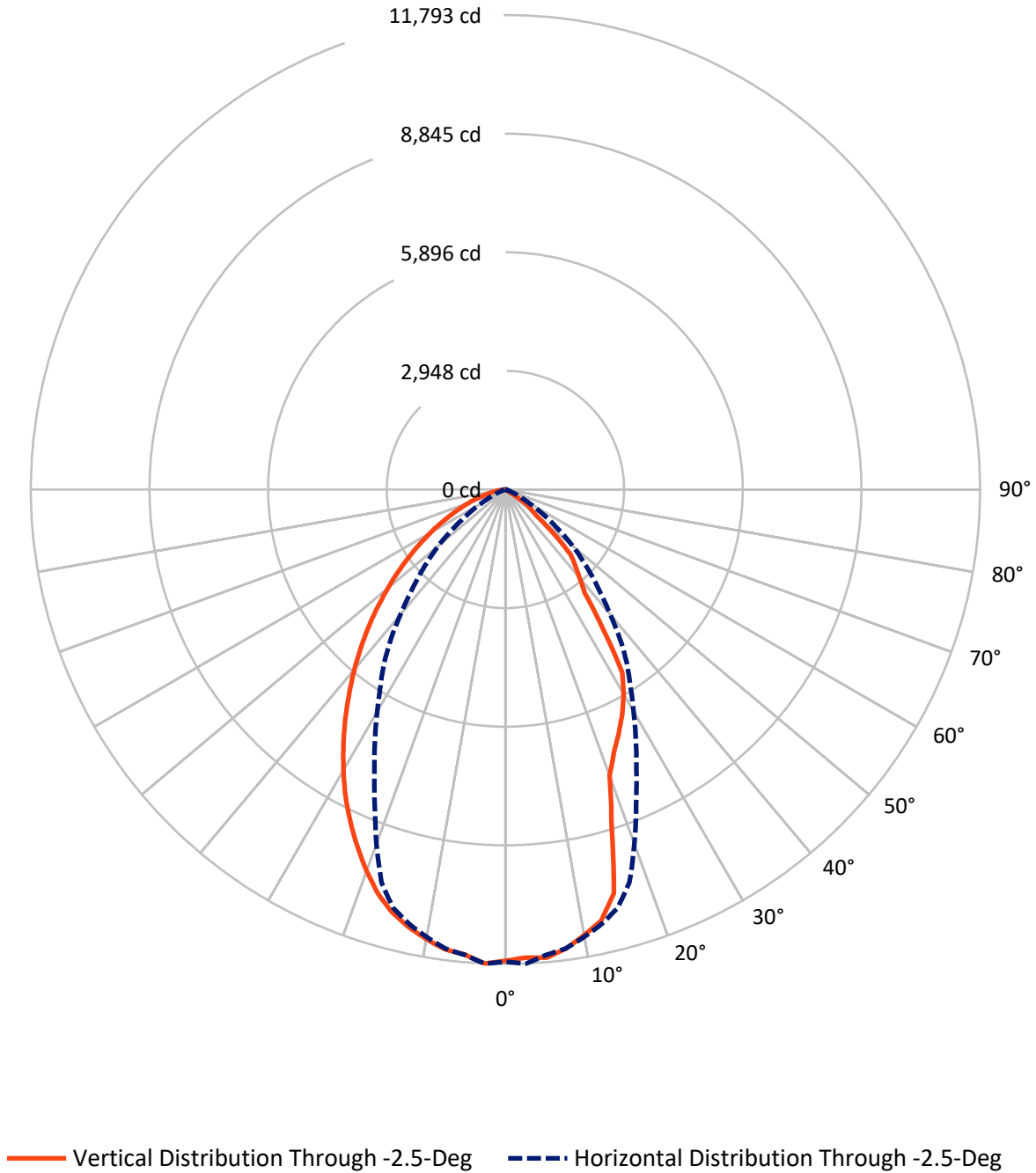
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
70																			
60	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
50		0.1	0.3	1.5	4.3	8.3	12.3	15.3	15.3	12.3	8.3	4.3	1.5	0.3	0.1				
40	0.3	0.3	1.7	8.1	19.5	35.1	51.9	63.5	63.5	51.9	35.1	19.5	8.1	1.7	0.3	0.3			
30		0.8	5.8	20.4	45.6	74.0	110.9	129.6	129.6	110.9	74.0	45.6	20.4	5.8	0.8				
20	0.5	1.7	11.3	36.2	73.5	116.5	174.8	200.9	200.9	174.8	116.5	73.5	36.2	11.3	1.7	0.5			
10		3.0	17.4	53.6	105.9	174.2	259.4	297.5	297.5	259.4	174.2	105.9	53.6	17.4	3.0				
0	0.8	4.1	22.5	63.7	126.6	208.2	306.3	347.6	347.6	306.3	208.2	126.6	63.7	22.5	4.1	0.8			
-10		4.8	24.9	66.1	130.0	213.0	308.6	348.9	348.9	308.6	213.0	130.0	66.1	24.9	4.8				
-20	1.0	5.1	24.3	62.6	122.6	199.4	286.4	323.6	323.6	286.4	199.4	122.6	62.6	24.3	5.1	1.0			
-30		4.6	21.3	54.6	105.9	169.5	240.1	271.9	271.9	240.1	169.5	105.9	54.6	21.3	4.6				
-40	1.0	3.8	17.0	42.9	83.3	130.8	183.4	207.6	207.6	183.4	130.8	83.3	42.9	17.0	3.8	1.0			
-50		3.1	12.5	30.6	59.7	92.0	126.9	144.0	144.0	126.9	92.0	59.7	30.6	12.5	3.1				
-60	0.8	2.3	8.2	19.7	37.1	57.1	77.6	88.4	88.4	77.6	57.1	37.1	19.7	8.2	2.3	0.8			
-70		1.6	5.0	11.5	20.4	30.3	40.1	45.4	45.4	40.1	30.3	20.4	11.5	5.0	1.6				
-80	0.3	3.7	17.0	37.0	41.3	37.0	17.0	3.7	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

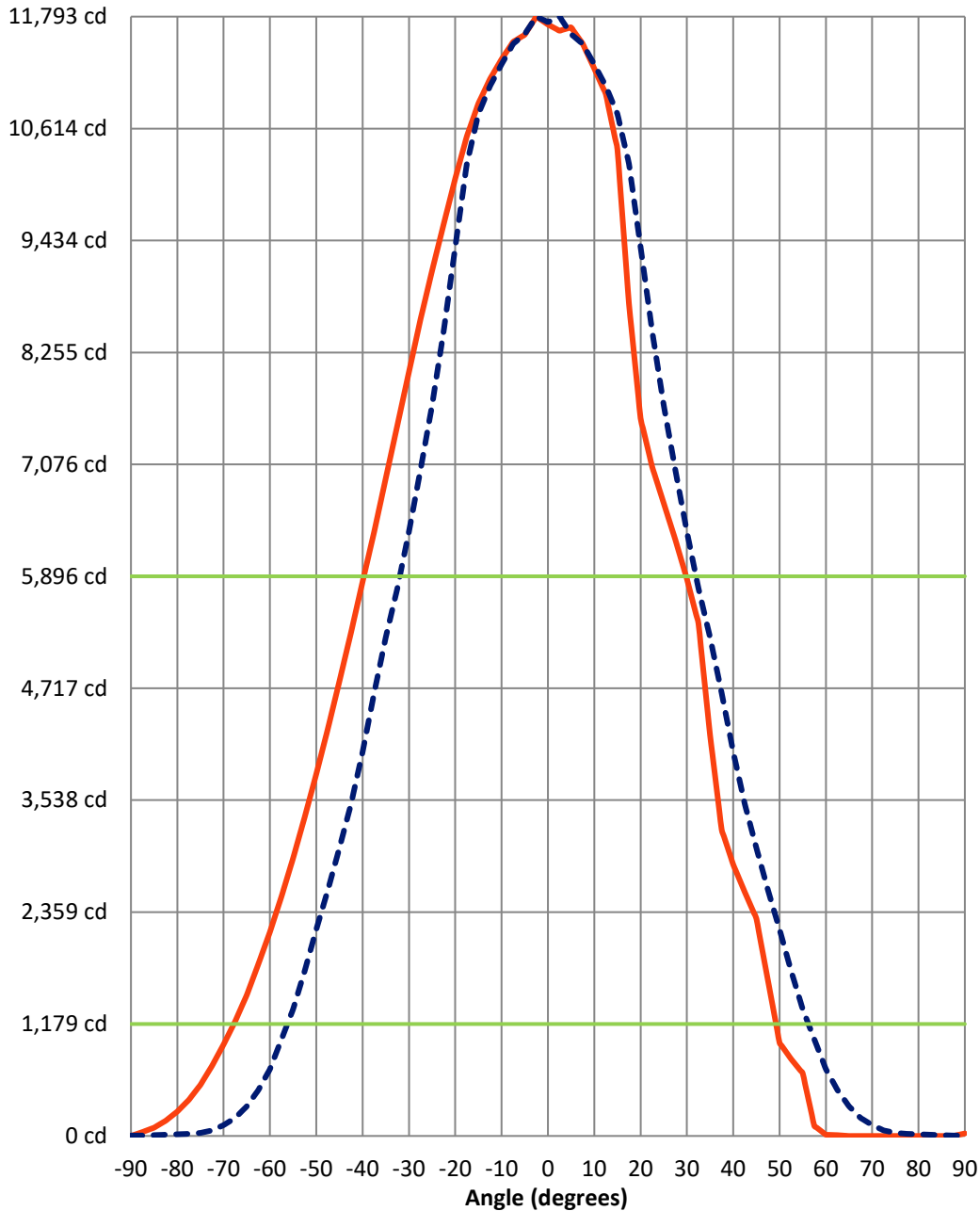
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 9105.5
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 14934.3
 Efficiency: 94.9%

Spill:
 Lumens: 803.6
 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°	4.4	4.4	4.4	5.5	6.6	7.7	8.8	9.9	11.0	12.1	13.2
87.5°	4.4	4.4	4.4	4.3	4.0	3.7	3.3	2.3	1.5	0.7	0.0
85°	4.4	4.4	4.4	4.1	3.6	3.0	2.1	1.3	0.7	0.3	0.0
82.5°	4.4	4.4	4.4	4.0	3.3	2.3	1.0	0.3	0.1	0.6	1.2
80°	4.4	4.4	4.4	3.9	2.9	1.6	0.2	0.9	1.6	2.3	3.0
77.5°	4.4	4.4	4.4	3.7	2.6	1.5	1.4	2.2	3.1	4.0	4.0
75°	4.4	4.4	4.4	3.6	2.4	2.2	2.5	3.5	4.3	3.6	2.3
72.5°	4.4	4.4	4.4	3.5	2.8	2.9	3.5	4.3	3.7	2.5	0.8
70°	4.4	4.4	4.4	3.5	3.2	3.5	4.4	4.2	3.2	1.7	2.0
67.5°	4.4	4.4	4.4	3.7	3.5	4.1	4.5	4.0	2.9	3.4	3.9
65°	4.4	4.4	4.4	3.8	3.8	4.6	4.7	4.0	4.4	5.1	5.4
62.5°	4.4	4.4	4.4	3.9	4.1	4.9	4.9	5.0	5.9	6.7	6.1
60°	4.4	4.4	4.4	4.1	4.4	5.3	5.2	6.3	7.4	7.7	6.9
57.5°	4.4	4.4	4.5	4.2	4.8	5.7	6.3	7.6	8.7	8.8	8.6
55°	4.4	4.4	4.5	4.3	5.3	6.2	7.4	8.9	10.0	10.2	10.7
52.5°	4.4	4.4	4.6	4.3	5.7	6.7	8.5	10.2	11.5	12.1	12.8
50°	4.4	4.4	4.7	4.4	6.2	7.6	9.6	11.4	13.0	14.0	14.8
47.5°	4.4	4.4	4.8	4.5	6.7	8.5	10.6	12.7	14.7	15.8	16.9
45°	4.4	4.4	4.9	4.9	7.3	9.4	11.6	13.9	16.2	17.7	18.9
42.5°	4.4	4.4	5.1	5.3	7.8	10.2	12.6	15.2	17.9	19.5	23.0
40°	4.4	4.4	5.2	5.8	8.4	11.0	13.6	16.7	19.6	21.3	27.4
37.5°	4.4	4.4	5.4	6.4	9.0	11.8	14.6	18.3	21.4	24.2	32.0
35°	4.4	4.4	5.6	7.0	9.7	12.6	15.5	19.9	23.4	29.8	40.7
32.5°	4.4	4.4	5.8	7.6	10.2	13.3	16.5	21.5	25.4	36.3	58.1
30°	4.4	4.4	6.0	8.1	10.8	14.0	17.8	23.2	27.5	43.7	75.0
27.5°	4.4	4.4	6.2	8.6	11.5	14.7	19.1	24.9	31.1	51.9	91.3
25°	4.4	4.4	6.5	9.2	12.2	15.4	20.4	26.6	37.5	64.0	107.4
22.5°	4.4	4.4	6.7	9.7	12.9	16.0	21.7	28.3	44.2	77.2	128.6
20°	4.4	4.4	6.9	10.1	13.5	16.8	23.0	30.1	51.2	89.8	149.6
17.5°	4.4	4.4	7.2	10.6	14.1	17.6	24.2	31.8	58.3	101.7	170.3
15°	4.4	4.4	7.4	11.0	14.7	18.3	25.5	34.0	65.4	112.8	190.5
12.5°	4.4	4.4	7.7	11.4	15.3	19.1	26.6	37.1	73.3	123.0	209.7
10°	4.4	4.4	7.9	11.8	15.8	19.7	27.6	40.3	81.7	135.0	229.0
7.5°	4.4	4.4	8.2	12.2	16.3	20.4	28.6	43.5	89.7	146.7	249.3
5°	4.4	4.4	8.4	12.6	16.8	20.9	29.4	46.8	97.2	157.5	268.0
2.5°	4.4	4.4	8.6	12.9	17.2	21.5	30.2	49.9	104.0	167.3	284.8
0°	4.4	4.4	8.8	13.2	17.6	22.0	30.8	52.8	110.1	176.1	299.3
-2.5°	4.4	4.4	8.8	13.2	17.6	22.0	30.8	52.8	110.1	176.1	299.3
-5°	4.4	4.4	8.8	13.1	18.3	22.9	34.1	63.1	118.0	202.2	323.2
-7.5°	4.4	4.4	8.7	13.1	18.6	23.3	35.4	67.4	120.7	212.1	331.6
-10°	4.4	4.4	8.7	13.0	18.8	23.6	36.6	70.9	122.7	219.3	337.8
-12.5°	4.4	4.4	8.6	12.9	18.9	23.9	37.4	73.6	124.1	223.1	342.6
-15°	4.4	4.4	8.5	12.7	19.0	24.1	38.0	75.2	126.7	222.7	344.3
-17.5°	4.4	4.4	8.4	12.6	18.9	24.3	38.2	76.8	130.5	220.4	342.2
-20°	4.4	4.4	8.3	12.4	18.8	24.5	39.1	78.4	133.0	216.4	335.9

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	4.4	8.1	12.2	18.6	24.6	41.7	79.1	134.0	210.6	325.2
-25°	4.4	4.4	8.0	12.0	18.3	26.2	43.7	78.9	133.6	203.1	310.0
-27.5°	4.4	4.4	7.8	11.7	17.8	28.2	45.3	77.7	131.7	196.8	298.9
-30°	4.4	4.4	7.6	11.4	17.4	30.0	46.4	75.5	129.3	193.9	286.4
-32.5°	4.4	4.4	7.4	11.1	18.0	31.5	47.0	75.6	126.2	189.1	272.2
-35°	4.4	4.4	7.2	10.8	18.5	32.6	48.3	76.1	121.8	182.2	256.5
-37.5°	4.4	4.4	7.0	10.5	18.8	33.3	49.6	75.8	116.2	173.4	249.5
-40°	4.4	4.4	6.7	10.1	18.9	33.6	50.3	74.7	109.3	165.0	241.7
-42.5°	4.4	4.4	6.5	9.9	19.1	33.6	50.6	73.0	105.4	158.1	229.7
-45°	4.4	4.4	6.2	9.9	19.2	33.3	50.4	71.4	102.5	149.7	214.7
-47.5°	4.4	4.4	5.9	9.9	19.0	32.8	49.6	70.4	98.8	139.6	202.8
-50°	4.4	4.4	5.7	9.8	18.7	32.1	48.6	68.7	95.9	136.0	188.7
-52.5°	4.4	4.4	5.4	9.6	18.1	31.1	47.2	66.2	93.4	131.2	173.5
-55°	4.4	4.4	5.0	9.3	17.3	29.8	45.5	63.3	90.4	125.2	166.2
-57.5°	4.4	4.4	4.7	9.0	16.4	28.2	43.5	60.6	86.1	118.9	157.7
-60°	4.4	4.4	4.4	8.6	15.2	26.3	41.1	57.6	80.7	111.5	147.8
-62.5°	4.4	4.4	4.4	8.1	14.4	24.0	37.8	53.7	74.0	102.7	136.3
-65°	4.4	4.4	4.4	7.6	13.5	21.5	34.1	48.6	65.9	91.2	123.2
-67.5°	4.4	4.4	4.4	7.0	12.4	19.4	30.0	42.7	56.6	77.6	105.9
-70°	4.4	4.4	4.4	6.4	11.3	17.6	25.5	36.4	48.5	62.6	85.6
-72.5°	4.4	4.4	4.4	6.2	10.1	15.7	22.5	29.8	40.0	51.9	65.5
-75°	4.4	4.4	4.4	6.2	8.8	13.7	19.6	25.1	31.1	40.9	52.0
-77.5°	4.4	4.4	4.4	6.1	8.3	11.5	16.6	21.1	25.8	31.0	38.2
-80°	4.4	4.4	4.4	6.0	8.0	10.4	13.4	17.0	20.8	24.9	29.4
-82.5°	4.4	4.4	4.4	5.9	7.7	9.8	12.1	13.8	15.7	18.8	22.2
-85°	4.4	4.4	4.4	5.8	7.3	9.1	11.0	12.5	14.0	15.4	16.9
-87.5°	4.4	4.4	4.4	5.6	7.0	8.4	9.9	11.2	12.5	13.8	15.0
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.3	2.2	1.1	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°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	14.3	15.4	16.5
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°	1.3	1.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.9	2.3	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.5	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.9	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.7	1.2	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.5	2.7	1.8	0.7	0.0	0.2	0.6	0.5	0.0	0.2	0.6
67.5°	4.1	3.0	2.0	1.2	1.7	2.2	2.1	2.2	2.4	2.6	2.2
65°	4.3	3.2	3.3	3.8	4.3	4.8	5.1	5.4	4.6	4.0	4.1
62.5°	4.6	5.0	5.7	6.4	7.1	7.7	7.7	6.8	5.2	6.5	7.5
60°	6.5	7.2	8.1	9.0	9.9	10.3	9.9	10.0	11.1	12.9	24.7
57.5°	8.8	9.4	10.5	11.9	13.1	13.3	13.7	14.9	34.9	56.9	62.9
55°	11.1	11.6	13.5	15.6	16.9	16.8	24.1	50.9	76.8	106.4	117.4
52.5°	13.4	14.3	17.5	20.1	21.8	33.9	61.1	97.4	135.7	169.8	213.6
50°	15.7	18.8	22.1	26.0	41.4	73.1	112.9	162.5	220.2	274.5	330.1
47.5°	19.6	23.6	28.6	41.0	81.7	125.7	180.7	260.5	331.6	397.3	473.6
45°	24.2	32.5	38.1	81.1	128.4	185.2	278.4	375.9	440.5	528.4	663.4
42.5°	29.0	45.0	72.7	122.6	180.1	271.7	387.3	470.4	556.3	698.9	840.8
40°	41.7	60.4	109.8	169.0	241.9	375.5	494.2	588.2	705.5	863.6	1011.8
37.5°	57.2	92.2	147.5	218.5	338.9	485.3	612.4	746.8	881.6	1030.6	1305.4
35°	74.3	121.7	195.3	291.1	436.0	607.1	758.6	908.8	1064.1	1357.6	1630.3
32.5°	96.7	148.9	245.3	375.5	540.9	728.7	904.6	1078.1	1327.3	1659.5	1933.1
30°	120.8	192.5	302.8	453.6	639.6	840.1	1051.5	1261.7	1591.5	1866.3	2163.4
27.5°	146.0	238.6	370.2	535.2	732.1	945.2	1183.8	1483.6	1777.8	2049.3	2375.8
25°	171.9	286.7	431.9	613.3	823.1	1058.8	1333.3	1698.4	1928.5	2228.7	2569.2
22.5°	205.1	332.6	493.0	684.1	907.5	1175.5	1525.6	1892.2	2163.1	2415.5	2748.2
20°	243.6	384.3	559.4	772.8	990.1	1289.6	1716.8	2102.4	2421.0	2710.0	3015.6
17.5°	279.5	432.7	630.5	863.3	1110.3	1435.7	1904.4	2331.2	2681.7	3003.8	3385.4
15°	312.7	477.4	700.1	949.0	1228.4	1603.1	2072.6	2541.4	2941.6	3304.1	3737.6
12.5°	343.1	518.3	767.2	1029.1	1339.7	1747.4	2213.9	2671.4	3111.4	3583.6	4075.6
10°	370.4	555.0	830.6	1103.1	1442.8	1869.4	2330.6	2779.9	3223.8	3723.5	4270.1
7.5°	399.8	589.4	888.1	1170.4	1536.7	1970.3	2423.9	2866.9	3314.6	3835.4	4396.6
5°	426.9	621.0	933.7	1218.6	1609.2	2048.9	2494.1	2933.0	3383.5	3918.7	4492.3
2.5°	450.8	647.5	970.9	1256.4	1663.0	2106.9	2539.7	2988.1	3434.6	3986.5	4565.4
0°	471.0	669.1	999.3	1285.4	1703.6	2148.3	2566.5	3024.3	3464.5	4032.4	4613.5
-2.5°	484.0	704.4	1018.8	1336.0	1739.1	2175.4	2590.5	3034.4	3496.7	4046.9	4667.4
-5°	493.1	733.1	1030.5	1375.1	1762.4	2187.4	2598.4	3026.6	3505.3	4043.3	4675.4
-7.5°	498.4	753.3	1036.0	1397.3	1770.6	2180.2	2585.0	3011.7	3491.3	4029.4	4640.4
-10°	501.5	759.6	1043.5	1390.6	1759.8	2156.6	2555.2	2976.7	3451.3	3984.4	4574.0
-12.5°	509.7	755.6	1042.2	1375.8	1736.7	2120.9	2511.1	2921.4	3384.8	3907.6	4482.2
-15°	511.8	746.5	1029.7	1354.0	1701.3	2074.3	2453.3	2845.4	3302.7	3832.8	4380.7
-17.5°	507.2	732.8	1005.3	1326.2	1653.9	2017.8	2385.2	2777.1	3225.8	3746.5	4274.1
-20°	495.4	715.1	968.5	1293.4	1597.7	1955.0	2317.0	2705.3	3137.3	3626.7	4154.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-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°	476.1	693.6	928.6	1247.6	1549.1	1882.8	2237.1	2607.6	3026.4	3471.4	3994.3
-25°	456.2	669.4	897.3	1184.6	1490.7	1798.6	2145.3	2488.1	2896.2	3333.2	3797.2
-27.5°	437.3	635.6	864.6	1115.6	1421.9	1708.7	2041.5	2375.9	2749.7	3178.0	3605.2
-30°	412.6	599.0	824.8	1049.3	1339.6	1623.9	1925.7	2254.8	2590.9	2997.5	3417.7
-32.5°	390.7	561.0	779.4	998.7	1251.2	1528.5	1800.8	2114.5	2442.6	2789.2	3204.4
-35°	376.2	538.6	731.3	940.4	1161.0	1424.7	1683.7	1956.3	2274.0	2599.3	2963.9
-37.5°	364.3	512.7	680.7	879.6	1089.6	1315.9	1558.4	1809.1	2086.4	2414.3	2757.2
-40°	345.7	483.6	643.2	821.6	1006.9	1212.7	1437.7	1664.7	1905.1	2225.4	2563.7
-42.5°	321.9	455.5	607.8	758.5	927.8	1115.7	1315.7	1529.4	1760.4	2038.7	2349.7
-45°	303.6	419.5	568.5	703.5	843.6	1015.4	1203.3	1396.9	1614.8	1853.7	2133.0
-47.5°	280.3	380.3	517.1	643.2	766.7	913.4	1085.2	1268.5	1461.4	1676.7	1905.6
-50°	255.4	347.7	454.2	577.0	694.8	816.7	963.3	1132.8	1307.8	1495.5	1699.7
-52.5°	236.5	309.5	406.8	509.0	621.2	731.9	856.6	1001.9	1158.2	1315.0	1494.7
-55°	215.1	281.4	361.6	453.2	548.7	651.1	764.7	892.0	1019.4	1163.5	1306.8
-57.5°	200.1	254.3	323.8	403.4	489.2	576.3	683.5	791.1	909.1	1028.2	1147.2
-60°	188.3	230.9	288.6	358.7	435.2	516.5	604.6	703.9	805.5	902.8	1005.6
-62.5°	174.9	212.0	257.0	314.2	383.3	454.1	531.6	616.8	708.7	790.6	870.2
-65°	157.5	189.7	228.4	274.9	329.2	389.0	455.0	526.8	606.3	672.8	737.9
-67.5°	137.5	164.6	197.1	235.1	280.3	327.0	375.5	436.2	500.7	554.9	608.0
-70°	112.4	137.5	164.0	195.0	230.5	270.0	312.7	356.7	400.9	445.2	493.7
-72.5°	86.0	108.9	131.4	153.5	181.7	214.2	248.9	285.9	324.5	362.3	399.2
-75°	65.5	80.3	100.0	120.0	139.6	160.7	184.3	213.6	249.5	286.2	319.9
-77.5°	49.5	61.9	75.0	88.7	101.1	116.7	133.7	152.0	181.5	215.4	249.7
-80°	35.7	43.2	53.6	64.6	73.3	81.9	90.9	100.1	122.1	149.4	178.6
-82.5°	26.5	31.6	37.4	43.8	48.2	52.4	57.2	63.3	79.6	98.1	117.6
-85°	18.2	19.8	22.9	26.4	28.9	31.4	33.9	36.5	45.3	55.2	65.8
-87.5°	15.7	16.5	17.3	18.2	18.6	18.9	19.1	19.4	22.4	25.5	28.7
-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: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3	26.4	26.4	26.4
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°	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.0	2.2	2.3	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.6	4.4	3.3	2.1	1.0	1.7	2.7	3.2	3.2	2.9	2.2
62.5°	7.0	6.4	5.8	6.7	8.0	9.3	8.9	8.4	7.8	7.4	7.7
60°	26.0	17.4	20.0	25.2	23.5	16.1	26.5	30.0	25.6	17.5	16.9
57.5°	66.0	63.7	72.9	106.6	117.3	106.8	127.7	155.0	154.2	132.8	132.1
55°	140.6	188.6	246.6	256.0	296.3	377.2	440.2	412.6	412.4	433.2	500.1
52.5°	267.0	312.4	329.3	374.3	458.7	519.9	559.2	599.9	644.6	690.1	736.2
50°	391.9	435.9	485.9	532.0	648.8	711.6	701.1	785.5	893.4	960.8	995.4
47.5°	574.8	644.2	749.8	915.3	1002.4	1065.4	1143.7	1239.3	1362.9	1530.7	1659.9
45°	790.2	899.3	1062.7	1238.5	1373.7	1435.3	1525.0	1672.9	1870.1	2062.1	2202.3
42.5°	966.3	1115.9	1300.2	1468.2	1578.5	1679.7	1795.8	1920.6	2146.4	2351.5	2513.5
40°	1196.0	1312.6	1519.4	1677.7	1776.5	1876.8	2060.7	2247.5	2459.9	2650.9	2783.6
37.5°	1487.2	1618.4	1833.5	2012.6	2107.7	2143.1	2455.9	2715.9	2888.4	3132.3	3212.1
35°	1800.0	2016.0	2290.1	2522.3	2615.5	2801.5	3123.7	3486.5	3879.5	4024.0	4147.2
32.5°	2149.0	2415.5	2787.4	3036.6	3169.5	3451.9	3859.7	4246.9	4760.7	5039.6	5123.0
30°	2468.3	2774.0	3093.7	3335.9	3563.3	3903.3	4275.3	4752.6	5227.8	5584.4	5695.1
27.5°	2702.6	3040.9	3348.2	3575.0	3831.6	4198.2	4662.0	5145.4	5611.8	5975.6	6104.8
25°	2926.3	3308.7	3552.0	3815.7	4117.0	4516.5	5030.4	5567.5	6026.9	6334.4	6493.0
22.5°	3180.7	3557.7	3818.9	4042.3	4436.2	4896.6	5373.6	5980.6	6467.3	6712.6	6884.5
20°	3443.3	3869.9	4273.3	4481.1	4822.0	5404.9	5938.9	6511.9	6981.9	7237.5	7418.6
17.5°	3809.7	4353.2	4848.1	5142.3	5507.4	6204.4	6870.7	7450.3	8104.1	8335.0	8556.3
15°	4196.0	4825.1	5404.8	5870.9	6342.5	7033.1	7890.8	8590.2	9336.3	9669.5	10046.1
12.5°	4581.1	5176.4	5701.6	6302.9	6967.5	7578.4	8395.0	9266.0	9943.0	10367.9	10621.4
10°	4868.9	5421.8	5927.2	6530.0	7193.3	7884.3	8695.8	9588.6	10297.3	10659.9	10866.8
7.5°	5024.3	5553.5	6086.6	6697.4	7357.7	8093.7	8929.8	9815.6	10540.2	10891.5	11095.9
5°	5139.7	5647.9	6200.0	6842.9	7510.6	8256.9	9091.8	9967.0	10627.7	11001.1	11259.5
2.5°	5209.5	5707.8	6272.2	6937.0	7606.3	8383.6	9258.8	10166.1	10744.2	11044.5	11282.2
0°	5229.8	5731.6	6312.7	6986.3	7673.0	8456.6	9323.8	10221.9	10807.4	11097.9	11340.0
-2.5°	5252.6	5769.3	6366.3	7018.2	7699.1	8480.5	9365.7	10240.8	10767.5	11060.7	11291.0
-5°	5236.7	5772.2	6367.5	6991.8	7677.2	8452.3	9302.1	10120.3	10671.3	10988.3	11217.3
-7.5°	5189.3	5732.5	6321.5	6921.5	7593.9	8377.8	9224.1	10012.0	10570.1	10904.3	11154.9
-10°	5120.4	5647.7	6240.8	6848.5	7512.7	8259.0	9092.3	9875.4	10409.6	10764.4	11056.5
-12.5°	5043.9	5560.3	6132.0	6715.0	7371.9	8108.9	8916.2	9657.6	10188.6	10575.7	10784.4
-15°	4930.7	5446.8	5993.3	6557.2	7197.5	7912.5	8683.7	9395.0	9916.4	10231.4	10462.0
-17.5°	4786.7	5293.0	5811.2	6346.0	6949.3	7653.4	8429.3	9130.7	9555.8	9837.1	10063.8
-20°	4632.4	5100.6	5591.5	6096.2	6680.9	7378.4	8140.4	8752.3	9152.9	9423.2	9637.3



REPORT NUMBER: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-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°	4456.2	4907.1	5356.4	5838.9	6412.2	7051.7	7724.8	8316.1	8746.8	8993.0	9190.8
-25°	4255.0	4693.7	5120.4	5586.3	6113.3	6688.1	7313.9	7894.9	8280.7	8542.3	8738.4
-27.5°	4038.4	4450.5	4867.3	5285.7	5759.5	6332.2	6911.8	7451.6	7780.9	8044.4	8241.8
-30°	3822.1	4192.8	4578.5	4974.6	5419.2	5935.6	6477.7	6931.6	7278.9	7535.0	7718.2
-32.5°	3587.8	3939.6	4281.2	4651.4	5070.0	5525.2	6000.9	6432.7	6803.8	7038.3	7192.7
-35°	3347.8	3688.3	4001.0	4337.0	4706.3	5099.0	5538.2	5964.0	6330.5	6516.1	6666.6
-37.5°	3097.8	3437.3	3733.8	4014.5	4332.6	4696.3	5124.0	5530.3	5847.0	6006.5	6142.2
-40°	2880.4	3179.3	3446.2	3714.8	3973.4	4296.4	4695.5	5088.9	5342.9	5498.4	5624.4
-42.5°	2669.4	2921.5	3140.0	3380.8	3639.7	3958.1	4280.2	4610.0	4814.2	4986.7	5119.4
-45°	2423.6	2649.0	2853.9	3054.1	3290.2	3580.9	3873.5	4137.7	4328.9	4495.7	4624.9
-47.5°	2151.8	2369.3	2568.3	2747.3	2966.8	3209.2	3455.6	3675.4	3864.3	4029.1	4144.4
-50°	1898.4	2092.8	2287.1	2468.3	2658.4	2854.6	3054.4	3247.4	3426.6	3586.8	3684.9
-52.5°	1671.4	1850.8	2020.6	2179.1	2345.4	2511.1	2676.6	2853.3	3018.3	3169.9	3248.3
-55°	1466.1	1627.8	1781.1	1914.5	2048.0	2179.4	2321.3	2484.5	2636.4	2776.8	2833.0
-57.5°	1281.7	1420.2	1555.8	1668.7	1777.6	1882.2	2006.7	2144.5	2277.4	2397.7	2443.8
-60°	1112.2	1222.0	1335.4	1435.6	1530.5	1620.2	1728.8	1839.7	1947.5	2038.3	2077.5
-62.5°	956.2	1050.2	1136.1	1217.5	1297.9	1378.7	1466.3	1554.3	1641.4	1711.2	1746.6
-65°	805.9	880.6	949.7	1016.6	1081.5	1149.3	1218.0	1284.9	1349.3	1399.3	1429.9
-67.5°	664.7	721.6	776.3	828.5	882.8	937.8	991.5	1042.7	1091.1	1129.7	1159.1
-70°	539.6	583.6	626.5	669.6	715.0	757.7	798.2	836.5	872.5	900.4	923.0
-72.5°	434.9	470.6	507.7	546.6	583.2	615.2	644.2	672.2	699.1	714.8	726.5
-75°	350.7	380.7	412.9	444.4	475.0	499.3	520.6	541.3	561.1	562.2	558.2
-77.5°	283.2	310.1	335.1	359.8	384.2	399.2	412.3	425.7	439.3	431.4	419.0
-80°	207.9	230.3	251.4	272.7	294.0	302.9	309.0	314.4	318.9	308.6	295.9
-82.5°	138.0	152.1	165.8	179.9	194.0	199.7	203.9	207.4	210.2	200.9	190.2
-85°	77.0	83.8	90.4	97.2	103.9	107.9	111.5	114.8	117.9	112.3	106.0
-87.5°	32.0	33.5	35.0	36.5	37.9	39.4	40.7	42.1	43.4	43.6	43.7
-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: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-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°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	25.3
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°	1.3	0.2	0.0	0.0	0.0	0.2	1.3	2.2	2.9	3.2	3.2
62.5°	8.1	8.4	8.7	8.8	8.7	8.4	8.1	7.7	7.4	7.8	8.4
60°	15.5	13.6	13.1	13.2	13.1	13.6	15.5	16.9	17.5	25.6	30.0
57.5°	122.1	104.5	107.1	118.9	107.1	104.5	122.1	132.1	132.8	154.2	155.0
55°	570.3	636.6	660.0	647.1	660.0	636.6	570.3	500.1	433.2	412.4	412.6
52.5°	772.7	799.9	810.4	810.0	810.4	799.9	772.7	736.2	690.1	644.6	599.9
50°	1005.9	996.7	982.6	968.5	982.6	996.7	1005.9	995.4	960.8	893.4	785.5
47.5°	1678.8	1649.7	1637.4	1659.6	1637.4	1649.7	1678.8	1659.9	1530.7	1362.9	1239.3
45°	2230.9	2264.9	2290.4	2289.1	2290.4	2264.9	2230.9	2202.3	2062.1	1870.1	1672.9
42.5°	2545.3	2563.4	2568.7	2562.1	2568.7	2563.4	2545.3	2513.5	2351.5	2146.4	1920.6
40°	2825.4	2847.0	2859.2	2870.2	2859.2	2847.0	2825.4	2783.6	2650.9	2459.9	2247.5
37.5°	3238.4	3246.4	3229.1	3218.0	3229.1	3246.4	3238.4	3212.1	3132.3	2888.4	2715.9
35°	4251.1	4271.8	4223.8	4274.5	4223.8	4271.8	4251.1	4147.2	4024.0	3879.5	3486.5
32.5°	5222.2	5319.4	5398.1	5463.1	5398.1	5319.4	5222.2	5123.0	5039.6	4760.7	4246.9
30°	5772.4	5835.1	5868.7	5876.9	5868.7	5835.1	5772.4	5695.1	5584.4	5227.8	4752.6
27.5°	6176.3	6242.0	6282.9	6312.7	6282.9	6242.0	6176.3	6104.8	5975.6	5611.8	5145.4
25°	6565.6	6625.7	6666.6	6682.5	6666.6	6625.7	6565.6	6493.0	6334.4	6026.9	5567.5
22.5°	6969.5	7011.3	7050.6	7069.9	7050.6	7011.3	6969.5	6884.5	6712.6	6467.3	5980.6
20°	7548.6	7525.9	7561.8	7549.7	7561.8	7525.9	7548.6	7418.6	7237.5	6981.9	6511.9
17.5°	8728.8	8741.0	8765.0	8804.4	8765.0	8741.0	8728.8	8556.3	8335.0	8104.1	7450.3
15°	10213.0	10242.9	10394.6	10530.0	10394.6	10242.9	10213.0	10046.1	9669.5	9336.3	8590.2
12.5°	10856.8	10960.1	10976.1	11014.3	10976.1	10960.1	10856.8	10621.4	10367.9	9943.0	9266.0
10°	11071.6	11250.5	11246.7	11291.6	11246.7	11250.5	11071.6	10866.8	10659.9	10297.3	9588.6
7.5°	11234.5	11426.7	11508.0	11542.5	11508.0	11426.7	11234.5	11095.9	10891.5	10540.2	9815.6
5°	11433.6	11539.3	11679.5	11639.4	11679.5	11539.3	11433.6	11259.5	11001.1	10627.7	9967.0
2.5°	11517.0	11682.6	11644.4	11683.4	11644.4	11682.6	11517.0	11282.2	11044.5	10744.2	10166.1
0°	11573.3	11692.2	11709.8	11749.4	11709.8	11692.2	11573.3	11340.0	11097.9	10807.4	10221.9
-2.5°	11505.0	11609.7	11792.9	11736.2	11792.9	11609.7	11505.0	11291.0	11060.7	10767.5	10240.8
-5°	11445.2	11702.7	11602.7	11727.4	11602.7	11702.7	11445.2	11217.3	10988.3	10671.3	10120.3
-7.5°	11414.3	11460.4	11526.7	11621.8	11526.7	11460.4	11414.3	11154.9	10904.3	10570.1	10012.0
-10°	11175.4	11222.5	11344.4	11410.5	11344.4	11222.5	11175.4	11056.5	10764.4	10409.6	9875.4
-12.5°	10916.3	11007.4	11135.5	11177.1	11135.5	11007.4	10916.3	10784.4	10575.7	10188.6	9657.6
-15°	10617.7	10753.2	10878.0	10904.2	10878.0	10753.2	10617.7	10462.0	10231.4	9916.4	9395.0
-17.5°	10238.2	10400.5	10531.7	10560.8	10531.7	10400.5	10238.2	10063.8	9837.1	9555.8	9130.7
-20°	9819.9	9975.5	10087.0	10120.6	10087.0	9975.5	9819.9	9637.3	9423.2	9152.9	8752.3



REPORT NUMBER: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9372.1	9512.2	9606.5	9592.4	9606.5	9512.2	9372.1	9190.8	8993.0	8746.8	8316.1
-25°	8896.7	9026.6	9116.5	9103.7	9116.5	9026.6	8896.7	8738.4	8542.3	8280.7	7894.9
-27.5°	8394.1	8517.2	8603.5	8606.3	8603.5	8517.2	8394.1	8241.8	8044.4	7780.9	7451.6
-30°	7865.9	7977.7	8047.9	8020.8	8047.9	7977.7	7865.9	7718.2	7535.0	7278.9	6931.6
-32.5°	7321.1	7422.3	7486.6	7505.7	7486.6	7422.3	7321.1	7192.7	7038.3	6803.8	6432.7
-35°	6783.9	6873.0	6928.5	6942.2	6928.5	6873.0	6783.9	6666.6	6516.1	6330.5	5964.0
-37.5°	6250.0	6326.8	6365.5	6347.9	6365.5	6326.8	6250.0	6142.2	6006.5	5847.0	5530.3
-40°	5722.5	5795.5	5839.9	5850.5	5839.9	5795.5	5722.5	5624.4	5498.4	5342.9	5088.9
-42.5°	5203.8	5264.5	5303.5	5322.2	5303.5	5264.5	5203.8	5119.4	4986.7	4814.2	4610.0
-45°	4700.4	4754.7	4791.3	4811.6	4791.3	4754.7	4700.4	4624.9	4495.7	4328.9	4137.7
-47.5°	4210.6	4258.2	4289.8	4305.3	4289.8	4258.2	4210.6	4144.4	4029.1	3864.3	3675.4
-50°	3742.3	3783.6	3813.0	3829.9	3813.0	3783.6	3742.3	3684.9	3586.8	3426.6	3247.4
-52.5°	3298.2	3334.2	3359.3	3372.1	3359.3	3334.2	3298.2	3248.3	3169.9	3018.3	2853.3
-55°	2874.1	2903.3	2926.5	2940.7	2926.5	2903.3	2874.1	2833.0	2776.8	2636.4	2484.5
-57.5°	2478.6	2502.5	2524.4	2540.1	2524.4	2502.5	2478.6	2443.8	2397.7	2277.4	2144.5
-60°	2108.4	2130.9	2149.6	2161.5	2149.6	2130.9	2108.4	2077.5	2038.3	1947.5	1839.7
-62.5°	1774.3	1794.2	1811.3	1822.5	1811.3	1794.2	1774.3	1746.6	1711.2	1641.4	1554.3
-65°	1454.0	1471.9	1484.6	1492.3	1484.6	1471.9	1454.0	1429.9	1399.3	1349.3	1284.9
-67.5°	1184.0	1204.7	1208.8	1206.2	1208.8	1204.7	1184.0	1159.1	1129.7	1091.1	1042.7
-70°	943.1	960.6	964.6	964.1	964.6	960.6	943.1	923.0	900.4	872.5	836.5
-72.5°	737.4	746.9	738.9	726.4	738.9	746.9	737.4	726.5	714.8	699.1	672.2
-75°	553.4	547.3	538.8	528.3	538.8	547.3	553.4	558.2	562.2	561.1	541.3
-77.5°	405.3	390.3	380.5	369.8	380.5	390.3	405.3	419.0	431.4	439.3	425.7
-80°	282.2	267.4	257.3	246.5	257.3	267.4	282.2	295.9	308.6	318.9	314.4
-82.5°	178.8	166.7	160.5	154.1	160.5	166.7	178.8	190.2	200.9	210.2	207.4
-85°	99.2	92.1	87.9	83.6	87.9	92.1	99.2	106.0	112.3	117.9	114.8
-87.5°	43.8	43.9	41.8	39.6	41.8	43.9	43.8	43.7	43.6	43.4	42.1
-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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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	24.2	23.1	22.0	20.9	19.8	18.7	17.6	16.5	15.4	14.3	13.2
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°	0.0	0.0	0.1	0.1	0.0	0.0	0.4	0.6	0.2	0.0	0.5
67.5°	0.0	0.0	0.8	1.8	2.3	2.2	2.0	2.2	2.6	2.4	2.2
65°	2.7	1.7	1.0	2.1	3.3	4.4	4.6	4.1	4.0	4.6	5.4
62.5°	8.9	9.3	8.0	6.7	5.8	6.4	7.0	7.5	6.5	5.2	6.8
60°	26.5	16.1	23.5	25.2	20.0	17.4	26.0	24.7	12.9	11.1	10.0
57.5°	127.7	106.8	117.3	106.6	72.9	63.7	66.0	62.9	56.9	34.9	14.9
55°	440.2	377.2	296.3	256.0	246.6	188.6	140.6	117.4	106.4	76.8	50.9
52.5°	559.2	519.9	458.7	374.3	329.3	312.4	267.0	213.6	169.8	135.7	97.4
50°	701.1	711.6	648.8	532.0	485.9	435.9	391.9	330.1	274.5	220.2	162.5
47.5°	1143.7	1065.4	1002.4	915.3	749.8	644.2	574.8	473.6	397.3	331.6	260.5
45°	1525.0	1435.3	1373.7	1238.5	1062.7	899.3	790.2	663.4	528.4	440.5	375.9
42.5°	1795.8	1679.7	1578.5	1468.2	1300.2	1115.9	966.3	840.8	698.9	556.3	470.4
40°	2060.7	1876.8	1776.5	1677.7	1519.4	1312.6	1196.0	1011.8	863.6	705.5	588.2
37.5°	2455.9	2143.1	2107.7	2012.6	1833.5	1618.4	1487.2	1305.4	1030.6	881.6	746.8
35°	3123.7	2801.5	2615.5	2522.3	2290.1	2016.0	1800.0	1630.3	1357.6	1064.1	908.8
32.5°	3859.7	3451.9	3169.5	3036.6	2787.4	2415.5	2149.0	1933.1	1659.5	1327.3	1078.1
30°	4275.3	3903.3	3563.3	3335.9	3093.7	2774.0	2468.3	2163.4	1866.3	1591.5	1261.7
27.5°	4662.0	4198.2	3831.6	3575.0	3348.2	3040.9	2702.6	2375.8	2049.3	1777.8	1483.6
25°	5030.4	4516.5	4117.0	3815.7	3552.0	3308.7	2926.3	2569.2	2228.7	1928.5	1698.4
22.5°	5373.6	4896.6	4436.2	4042.3	3818.9	3557.7	3180.7	2748.2	2415.5	2163.1	1892.2
20°	5938.9	5404.9	4822.0	4481.1	4273.3	3869.9	3443.3	3015.6	2710.0	2421.0	2102.4
17.5°	6870.7	6204.4	5507.4	5142.3	4848.1	4353.2	3809.7	3385.4	3003.8	2681.7	2331.2
15°	7890.8	7033.1	6342.5	5870.9	5404.8	4825.1	4196.0	3737.6	3304.1	2941.6	2541.4
12.5°	8395.0	7578.4	6967.5	6302.9	5701.6	5176.4	4581.1	4075.6	3583.6	3111.4	2671.4
10°	8695.8	7884.3	7193.3	6530.0	5927.2	5421.8	4868.9	4270.1	3723.5	3223.8	2779.9
7.5°	8929.8	8093.7	7357.7	6697.4	6086.6	5553.5	5024.3	4396.6	3835.4	3314.6	2866.9
5°	9091.8	8256.9	7510.6	6842.9	6200.0	5647.9	5139.7	4492.3	3918.7	3383.5	2933.0
2.5°	9258.8	8383.6	7606.3	6937.0	6272.2	5707.8	5209.5	4565.4	3986.5	3434.6	2988.1
0°	9323.8	8456.6	7673.0	6986.3	6312.7	5731.6	5229.8	4613.5	4032.4	3464.5	3024.3
-2.5°	9365.7	8480.5	7699.1	7018.2	6366.3	5769.3	5252.6	4667.4	4046.9	3496.7	3034.4
-5°	9302.1	8452.3	7677.2	6991.8	6367.5	5772.2	5236.7	4675.4	4043.3	3505.3	3026.6
-7.5°	9224.1	8377.8	7593.9	6921.5	6321.5	5732.5	5189.3	4640.4	4029.4	3491.3	3011.7
-10°	9092.3	8259.0	7512.7	6848.5	6240.8	5647.7	5120.4	4574.0	3984.4	3451.3	2976.7
-12.5°	8916.2	8108.9	7371.9	6715.0	6132.0	5560.3	5043.9	4482.2	3907.6	3384.8	2921.4
-15°	8683.7	7912.5	7197.5	6557.2	5993.3	5446.8	4930.7	4380.7	3832.8	3302.7	2845.4
-17.5°	8429.3	7653.4	6949.3	6346.0	5811.2	5293.0	4786.7	4274.1	3746.5	3225.8	2777.1
-20°	8140.4	7378.4	6680.9	6096.2	5591.5	5100.6	4632.4	4154.7	3626.7	3137.3	2705.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-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°	7724.8	7051.7	6412.2	5838.9	5356.4	4907.1	4456.2	3994.3	3471.4	3026.4	2607.6
-25°	7313.9	6688.1	6113.3	5586.3	5120.4	4693.7	4255.0	3797.2	3333.2	2896.2	2488.1
-27.5°	6911.8	6332.2	5759.5	5285.7	4867.3	4450.5	4038.4	3605.2	3178.0	2749.7	2375.9
-30°	6477.7	5935.6	5419.2	4974.6	4578.5	4192.8	3822.1	3417.7	2997.5	2590.9	2254.8
-32.5°	6000.9	5525.2	5070.0	4651.4	4281.2	3939.6	3587.8	3204.4	2789.2	2442.6	2114.5
-35°	5538.2	5099.0	4706.3	4337.0	4001.0	3688.3	3347.8	2963.9	2599.3	2274.0	1956.3
-37.5°	5124.0	4696.3	4332.6	4014.5	3733.8	3437.3	3097.8	2757.2	2414.3	2086.4	1809.1
-40°	4695.5	4296.4	3973.4	3714.8	3446.2	3179.3	2880.4	2563.7	2225.4	1905.1	1664.7
-42.5°	4280.2	3958.1	3639.7	3380.8	3140.0	2921.5	2669.4	2349.7	2038.7	1760.4	1529.4
-45°	3873.5	3580.9	3290.2	3054.1	2853.9	2649.0	2423.6	2133.0	1853.7	1614.8	1396.9
-47.5°	3455.6	3209.2	2966.8	2747.3	2568.3	2369.3	2151.8	1905.6	1676.7	1461.4	1268.5
-50°	3054.4	2854.6	2658.4	2468.3	2287.1	2092.8	1898.4	1699.7	1495.5	1307.8	1132.8
-52.5°	2676.6	2511.1	2345.4	2179.1	2020.6	1850.8	1671.4	1494.7	1315.0	1158.2	1001.9
-55°	2321.3	2179.4	2048.0	1914.5	1781.1	1627.8	1466.1	1306.8	1163.5	1019.4	892.0
-57.5°	2006.7	1882.2	1777.6	1668.7	1555.8	1420.2	1281.7	1147.2	1028.2	909.1	791.1
-60°	1728.8	1620.2	1530.5	1435.6	1335.4	1222.0	1112.2	1005.6	902.8	805.5	703.9
-62.5°	1466.3	1378.7	1297.9	1217.5	1136.1	1050.2	956.2	870.2	790.6	708.7	616.8
-65°	1218.0	1149.3	1081.5	1016.6	949.7	880.6	805.9	737.9	672.8	606.3	526.8
-67.5°	991.5	937.8	882.8	828.5	776.3	721.6	664.7	608.0	554.9	500.7	436.2
-70°	798.2	757.7	715.0	669.6	626.5	583.6	539.6	493.7	445.2	400.9	356.7
-72.5°	644.2	615.2	583.2	546.6	507.7	470.6	434.9	399.2	362.3	324.5	285.9
-75°	520.6	499.3	475.0	444.4	412.9	380.7	350.7	319.9	286.2	249.5	213.6
-77.5°	412.3	399.2	384.2	359.8	335.1	310.1	283.2	249.7	215.4	181.5	152.0
-80°	309.0	302.9	294.0	272.7	251.4	230.3	207.9	178.6	149.4	122.1	100.1
-82.5°	203.9	199.7	194.0	179.9	165.8	152.1	138.0	117.6	98.1	79.6	63.3
-85°	111.5	107.9	103.9	97.2	90.4	83.8	77.0	65.8	55.2	45.3	36.5
-87.5°	40.7	39.4	37.9	36.5	35.0	33.5	32.0	28.7	25.5	22.4	19.4
-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: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-727-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°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.1	11.0	9.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.3
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.7	1.3
82.5°	0.0	0.0	0.0	0.1	0.7	1.1	1.3	1.2	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	1.1	2.3	2.9	3.0	2.3	1.6	0.9
77.5°	0.0	0.0	0.0	0.0	0.5	1.3	2.5	4.0	4.0	3.1	2.2
75°	0.0	0.0	0.0	0.2	0.3	0.1	0.9	2.3	3.6	4.3	3.5
72.5°	0.0	0.0	0.0	0.5	1.2	1.2	0.7	0.8	2.5	3.7	4.3
70°	0.6	0.2	0.0	0.7	1.8	2.7	2.5	2.0	1.7	3.2	4.2
67.5°	2.1	2.2	1.7	1.2	2.0	3.0	4.1	3.9	3.4	2.9	4.0
65°	5.1	4.8	4.3	3.8	3.3	3.2	4.3	5.4	5.1	4.4	4.0
62.5°	7.7	7.7	7.1	6.4	5.7	5.0	4.6	6.1	6.7	5.9	5.0
60°	9.9	10.3	9.9	9.0	8.1	7.2	6.5	6.9	7.7	7.4	6.3
57.5°	13.7	13.3	13.1	11.9	10.5	9.4	8.8	8.6	8.8	8.7	7.6
55°	24.1	16.8	16.9	15.6	13.5	11.6	11.1	10.7	10.2	10.0	8.9
52.5°	61.1	33.9	21.8	20.1	17.5	14.3	13.4	12.8	12.1	11.5	10.2
50°	112.9	73.1	41.4	26.0	22.1	18.8	15.7	14.8	14.0	13.0	11.4
47.5°	180.7	125.7	81.7	41.0	28.6	23.6	19.6	16.9	15.8	14.7	12.7
45°	278.4	185.2	128.4	81.1	38.1	32.5	24.2	18.9	17.7	16.2	13.9
42.5°	387.3	271.7	180.1	122.6	72.7	45.0	29.0	23.0	19.5	17.9	15.2
40°	494.2	375.5	241.9	169.0	109.8	60.4	41.7	27.4	21.3	19.6	16.7
37.5°	612.4	485.3	338.9	218.5	147.5	92.2	57.2	32.0	24.2	21.4	18.3
35°	758.6	607.1	436.0	291.1	195.3	121.7	74.3	40.7	29.8	23.4	19.9
32.5°	904.6	728.7	540.9	375.5	245.3	148.9	96.7	58.1	36.3	25.4	21.5
30°	1051.5	840.1	639.6	453.6	302.8	192.5	120.8	75.0	43.7	27.5	23.2
27.5°	1183.8	945.2	732.1	535.2	370.2	238.6	146.0	91.3	51.9	31.1	24.9
25°	1333.3	1058.8	823.1	613.3	431.9	286.7	171.9	107.4	64.0	37.5	26.6
22.5°	1525.6	1175.5	907.5	684.1	493.0	332.6	205.1	128.6	77.2	44.2	28.3
20°	1716.8	1289.6	990.1	772.8	559.4	384.3	243.6	149.6	89.8	51.2	30.1
17.5°	1904.4	1435.7	1110.3	863.3	630.5	432.7	279.5	170.3	101.7	58.3	31.8
15°	2072.6	1603.1	1228.4	949.0	700.1	477.4	312.7	190.5	112.8	65.4	34.0
12.5°	2213.9	1747.4	1339.7	1029.1	767.2	518.3	343.1	209.7	123.0	73.3	37.1
10°	2330.6	1869.4	1442.8	1103.1	830.6	555.0	370.4	229.0	135.0	81.7	40.3
7.5°	2423.9	1970.3	1536.7	1170.4	888.1	589.4	399.8	249.3	146.7	89.7	43.5
5°	2494.1	2048.9	1609.2	1218.6	933.7	621.0	426.9	268.0	157.5	97.2	46.8
2.5°	2539.7	2106.9	1663.0	1256.4	970.9	647.5	450.8	284.8	167.3	104.0	49.9
0°	2566.5	2148.3	1703.6	1285.4	999.3	669.1	471.0	299.3	176.1	110.1	52.8
-2.5°	2590.5	2175.4	1739.1	1336.0	1018.8	704.4	484.0	312.4	190.0	114.5	58.2
-5°	2598.4	2187.4	1762.4	1375.1	1030.5	733.1	493.1	323.2	202.2	118.0	63.1
-7.5°	2585.0	2180.2	1770.6	1397.3	1036.0	753.3	498.4	331.6	212.1	120.7	67.4
-10°	2555.2	2156.6	1759.8	1390.6	1043.5	759.6	501.5	337.8	219.3	122.7	70.9
-12.5°	2511.1	2120.9	1736.7	1375.8	1042.2	755.6	509.7	342.6	223.1	124.1	73.6
-15°	2453.3	2074.3	1701.3	1354.0	1029.7	746.5	511.8	344.3	222.7	126.7	75.2
-17.5°	2385.2	2017.8	1653.9	1326.2	1005.3	732.8	507.2	342.2	220.4	130.5	76.8
-20°	2317.0	1955.0	1597.7	1293.4	968.5	715.1	495.4	335.9	216.4	133.0	78.4

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REPORT NUMBER: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-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°	2237.1	1882.8	1549.1	1247.6	928.6	693.6	476.1	325.2	210.6	134.0	79.1
-25°	2145.3	1798.6	1490.7	1184.6	897.3	669.4	456.2	310.0	203.1	133.6	78.9
-27.5°	2041.5	1708.7	1421.9	1115.6	864.6	635.6	437.3	298.9	196.8	131.7	77.7
-30°	1925.7	1623.9	1339.6	1049.3	824.8	599.0	412.6	286.4	193.9	129.3	75.5
-32.5°	1800.8	1528.5	1251.2	998.7	779.4	561.0	390.7	272.2	189.1	126.2	75.6
-35°	1683.7	1424.7	1161.0	940.4	731.3	538.6	376.2	256.5	182.2	121.8	76.1
-37.5°	1558.4	1315.9	1089.6	879.6	680.7	512.7	364.3	249.5	173.4	116.2	75.8
-40°	1437.7	1212.7	1006.9	821.6	643.2	483.6	345.7	241.7	165.0	109.3	74.7
-42.5°	1315.7	1115.7	927.8	758.5	607.8	455.5	321.9	229.7	158.1	105.4	73.0
-45°	1203.3	1015.4	843.6	703.5	568.5	419.5	303.6	214.7	149.7	102.5	71.4
-47.5°	1085.2	913.4	766.7	643.2	517.1	380.3	280.3	202.8	139.6	98.8	70.4
-50°	963.3	816.7	694.8	577.0	454.2	347.7	255.4	188.7	136.0	95.9	68.7
-52.5°	856.6	731.9	621.2	509.0	406.8	309.5	236.5	173.5	131.2	93.4	66.2
-55°	764.7	651.1	548.7	453.2	361.6	281.4	215.1	166.2	125.2	90.4	63.3
-57.5°	683.5	576.3	489.2	403.4	323.8	254.3	200.1	157.7	118.9	86.1	60.6
-60°	604.6	516.5	435.2	358.7	288.6	230.9	188.3	147.8	111.5	80.7	57.6
-62.5°	531.6	454.1	383.3	314.2	257.0	212.0	174.9	136.3	102.7	74.0	53.7
-65°	455.0	389.0	329.2	274.9	228.4	189.7	157.5	123.2	91.2	65.9	48.6
-67.5°	375.5	327.0	280.3	235.1	197.1	164.6	137.5	105.9	77.6	56.6	42.7
-70°	312.7	270.0	230.5	195.0	164.0	137.5	112.4	85.6	62.6	48.5	36.4
-72.5°	248.9	214.2	181.7	153.5	131.4	108.9	86.0	65.5	51.9	40.0	29.8
-75°	184.3	160.7	139.6	120.0	100.0	80.3	65.5	52.0	40.9	31.1	25.1
-77.5°	133.7	116.7	101.1	88.7	75.0	61.9	49.5	38.2	31.0	25.8	21.1
-80°	90.9	81.9	73.3	64.6	53.6	43.2	35.7	29.4	24.9	20.8	17.0
-82.5°	57.2	52.4	48.2	43.8	37.4	31.6	26.5	22.2	18.8	15.7	13.8
-85°	33.9	31.4	28.9	26.4	22.9	19.8	18.2	16.9	15.4	14.0	12.5
-87.5°	19.1	18.9	18.6	18.2	17.3	16.5	15.7	15.0	13.8	12.5	11.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.3

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REPORT NUMBER: P627380 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.8	7.7	6.6	5.5	4.4	4.4	4.4
87.5°	3.3	3.7	4.0	4.3	4.4	4.4	4.4
85°	2.1	3.0	3.6	4.1	4.4	4.4	4.4
82.5°	1.0	2.3	3.3	4.0	4.4	4.4	4.4
80°	0.2	1.6	2.9	3.9	4.4	4.4	4.4
77.5°	1.4	1.5	2.6	3.7	4.4	4.4	4.4
75°	2.5	2.2	2.4	3.6	4.4	4.4	4.4
72.5°	3.5	2.9	2.8	3.5	4.4	4.4	4.4
70°	4.4	3.5	3.2	3.5	4.4	4.4	4.4
67.5°	4.5	4.1	3.5	3.7	4.4	4.4	4.4
65°	4.7	4.6	3.8	3.8	4.4	4.4	4.4
62.5°	4.9	4.9	4.1	3.9	4.4	4.4	4.4
60°	5.2	5.3	4.4	4.1	4.4	4.4	4.4
57.5°	6.3	5.7	4.8	4.2	4.5	4.4	4.4
55°	7.4	6.2	5.3	4.3	4.5	4.4	4.4
52.5°	8.5	6.7	5.7	4.3	4.6	4.4	4.4
50°	9.6	7.6	6.2	4.4	4.7	4.4	4.4
47.5°	10.6	8.5	6.7	4.5	4.8	4.4	4.4
45°	11.6	9.4	7.3	4.9	4.9	4.4	4.4
42.5°	12.6	10.2	7.8	5.3	5.1	4.4	4.4
40°	13.6	11.0	8.4	5.8	5.2	4.4	4.4
37.5°	14.6	11.8	9.0	6.4	5.4	4.4	4.4
35°	15.5	12.6	9.7	7.0	5.6	4.4	4.4
32.5°	16.5	13.3	10.2	7.6	5.8	4.4	4.4
30°	17.8	14.0	10.8	8.1	6.0	4.4	4.4
27.5°	19.1	14.7	11.5	8.6	6.2	4.4	4.4
25°	20.4	15.4	12.2	9.2	6.5	4.4	4.4
22.5°	21.7	16.0	12.9	9.7	6.7	4.4	4.4
20°	23.0	16.8	13.5	10.1	6.9	4.4	4.4
17.5°	24.2	17.6	14.1	10.6	7.2	4.4	4.4
15°	25.5	18.3	14.7	11.0	7.4	4.4	4.4
12.5°	26.6	19.1	15.3	11.4	7.7	4.4	4.4
10°	27.6	19.7	15.8	11.8	7.9	4.4	4.4
7.5°	28.6	20.4	16.3	12.2	8.2	4.4	4.4
5°	29.4	20.9	16.8	12.6	8.4	4.4	4.4
2.5°	30.2	21.5	17.2	12.9	8.6	4.4	4.4
0°	30.8	22.0	17.6	13.2	8.8	4.4	4.4
-2.5°	32.5	22.5	18.0	13.2	8.8	4.4	4.4
-5°	34.1	22.9	18.3	13.1	8.8	4.4	4.4
-7.5°	35.4	23.3	18.6	13.1	8.7	4.4	4.4
-10°	36.6	23.6	18.8	13.0	8.7	4.4	4.4
-12.5°	37.4	23.9	18.9	12.9	8.6	4.4	4.4
-15°	38.0	24.1	19.0	12.7	8.5	4.4	4.4
-17.5°	38.2	24.3	18.9	12.6	8.4	4.4	4.4
-20°	39.1	24.5	18.8	12.4	8.3	4.4	4.4

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	41.7	24.6	18.6	12.2	8.1	4.4	4.4
-25°	43.7	26.2	18.3	12.0	8.0	4.4	4.4
-27.5°	45.3	28.2	17.8	11.7	7.8	4.4	4.4
-30°	46.4	30.0	17.4	11.4	7.6	4.4	4.4
-32.5°	47.0	31.5	18.0	11.1	7.4	4.4	4.4
-35°	48.3	32.6	18.5	10.8	7.2	4.4	4.4
-37.5°	49.6	33.3	18.8	10.5	7.0	4.4	4.4
-40°	50.3	33.6	18.9	10.1	6.7	4.4	4.4
-42.5°	50.6	33.6	19.1	9.9	6.5	4.4	4.4
-45°	50.4	33.3	19.2	9.9	6.2	4.4	4.4
-47.5°	49.6	32.8	19.0	9.9	5.9	4.4	4.4
-50°	48.6	32.1	18.7	9.8	5.7	4.4	4.4
-52.5°	47.2	31.1	18.1	9.6	5.4	4.4	4.4
-55°	45.5	29.8	17.3	9.3	5.0	4.4	4.4
-57.5°	43.5	28.2	16.4	9.0	4.7	4.4	4.4
-60°	41.1	26.3	15.2	8.6	4.4	4.4	4.4
-62.5°	37.8	24.0	14.4	8.1	4.4	4.4	4.4
-65°	34.1	21.5	13.5	7.6	4.4	4.4	4.4
-67.5°	30.0	19.4	12.4	7.0	4.4	4.4	4.4
-70°	25.5	17.6	11.3	6.4	4.4	4.4	4.4
-72.5°	22.5	15.7	10.1	6.2	4.4	4.4	4.4
-75°	19.6	13.7	8.8	6.2	4.4	4.4	4.4
-77.5°	16.6	11.5	8.3	6.1	4.4	4.4	4.4
-80°	13.4	10.4	8.0	6.0	4.4	4.4	4.4
-82.5°	12.1	9.8	7.7	5.9	4.4	4.4	4.4
-85°	11.0	9.1	7.3	5.8	4.4	4.4	4.4
-87.5°	9.9	8.4	7.0	5.6	4.4	4.4	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)