

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: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2D-727-U-MR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2D-727-U-MR-XX
Description: GALLEON FLOOD, TWO LIGHT SQUARE, MEDIUM SYMMETRICAL ROUND N40
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

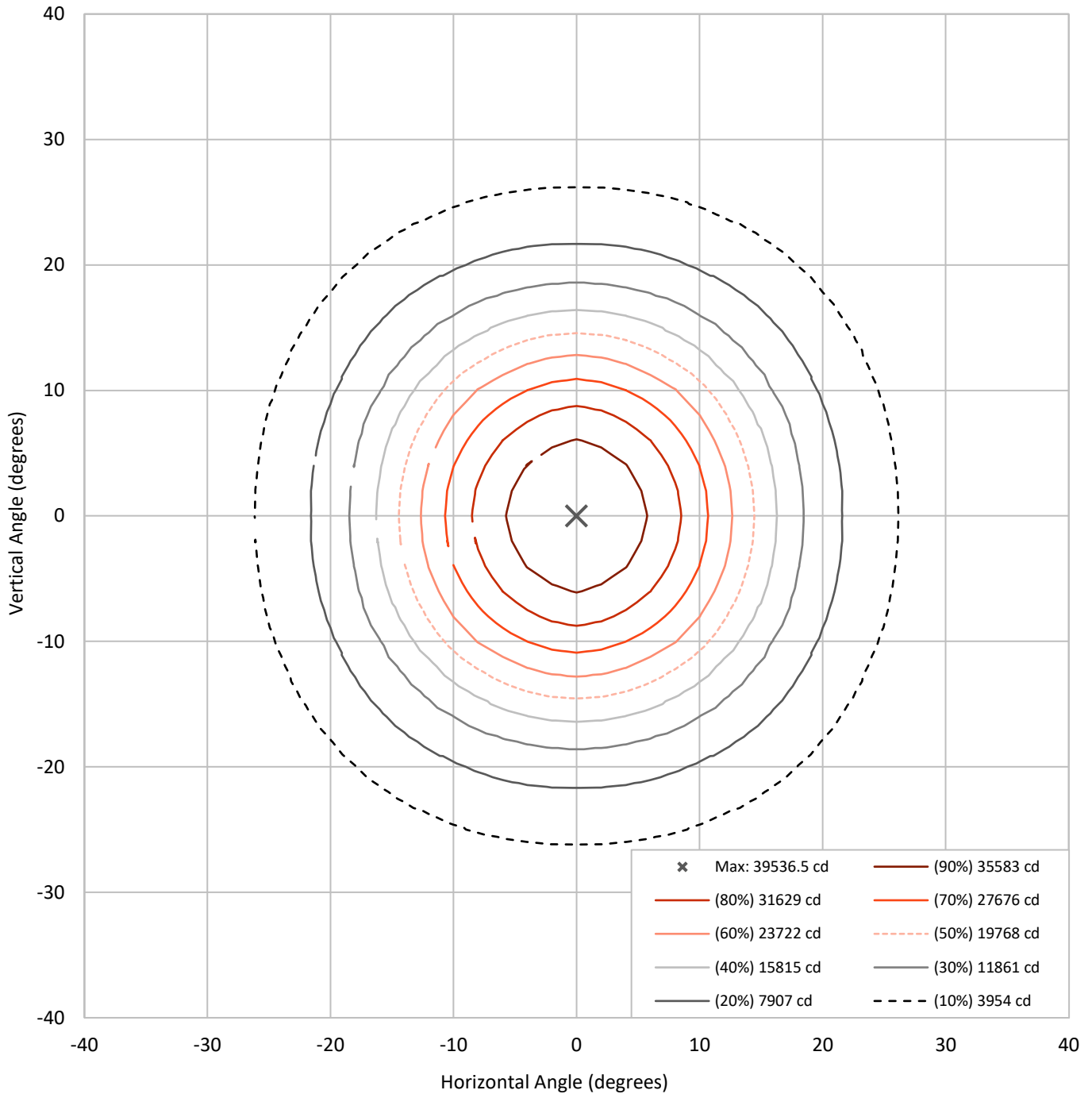
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	12352.6 lumens	Max Intensity:	39536.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	28.8°H x 29°V	Field Angle (10%):	52.3°H x 52.3°V
Beam Lumens:	6005.6 lumens	Field Lumens:	10135.1 lumens
Beam Efficiency:	48.6%	Field Efficiency:	82.0%
Input Watts (W):	108.74		
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





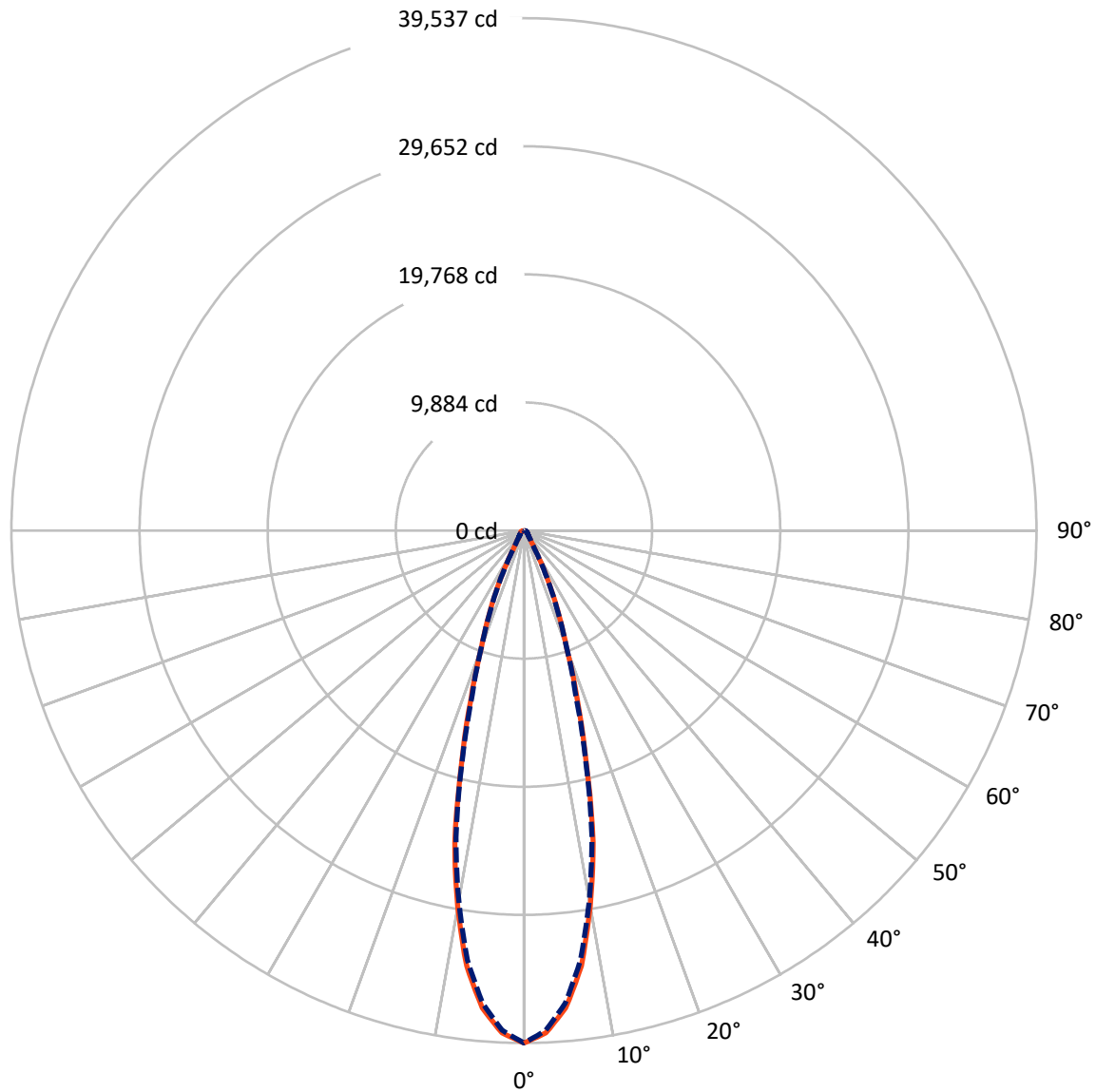
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Lumen Table

90	0.2	2.0		5.4		8.5		9.4		8.5		5.4		2.0		0.2			
80	0.2	2.0		5.4		8.5		9.4		8.5		5.4		2.0		0.2			
70	0.9	1.1	2.1	3.5	4.9	6.0	6.7	7.0	7.0	6.7	6.0	4.9	3.5	2.1	1.1	0.9			
60		1.6	3.2	5.1	6.9	8.5	9.5	9.9	9.9	9.5	8.5	6.9	5.1	3.2	1.6				
50	1.6	2.0	4.1	6.4	8.5	10.7	12.6	13.5	13.5	12.6	10.7	8.5	6.4	4.1	2.0	1.6			
40		2.4	4.8	7.3	10.4	14.8	21.4	27.8	27.8	21.4	14.8	10.4	7.3	4.8	2.4				
30	2.1	2.7	5.3	8.3	13.3	28.9	81.3	144.2	144.2	81.3	28.9	13.3	8.3	5.3	2.7	2.1			
20		2.9	5.5	9.0	18.1	75.8	270.2	517.8	517.8	270.2	75.8	18.1	9.0	5.5	2.9				
10	2.2	3.0	5.6	9.5	23.0	130.9	500.1	983.8	983.8	500.1	130.9	23.0	9.5	5.6	3.0	2.2			
0		3.0	5.6	9.5	23.0	130.9	500.1	983.8	983.8	500.1	130.9	23.0	9.5	5.6	3.0				
-10	2.1	2.9	5.5	9.0	18.1	75.8	270.2	517.8	517.8	270.2	75.8	18.1	9.0	5.5	2.9	2.1			
-20		2.7	5.3	8.3	13.3	28.9	81.3	144.2	144.2	81.3	28.9	13.3	8.3	5.3	2.7				
-30	1.6	2.4	4.8	7.3	10.4	14.8	21.4	27.8	27.8	21.4	14.8	10.4	7.3	4.8	2.4	1.6			
-40		2.0	4.1	6.4	8.5	10.7	12.6	13.5	13.5	12.6	10.7	8.5	6.4	4.1	2.0				
-50	0.9	1.6	3.2	5.1	6.9	8.5	9.5	9.9	9.9	9.5	8.5	6.9	5.1	3.2	1.6	0.9			
-60		1.1	2.1	3.5	4.9	6.0	6.7	7.0	7.0	6.7	6.0	4.9	3.5	2.1	1.1				
-70	0.2	2.0		5.4		8.5		9.4		8.5		5.4		2.0		0.2			
-80		2.0		5.4		8.5		9.4		8.5		5.4		2.0					
-90	0.2	2.0		5.4		8.5		9.4		8.5		5.4		2.0		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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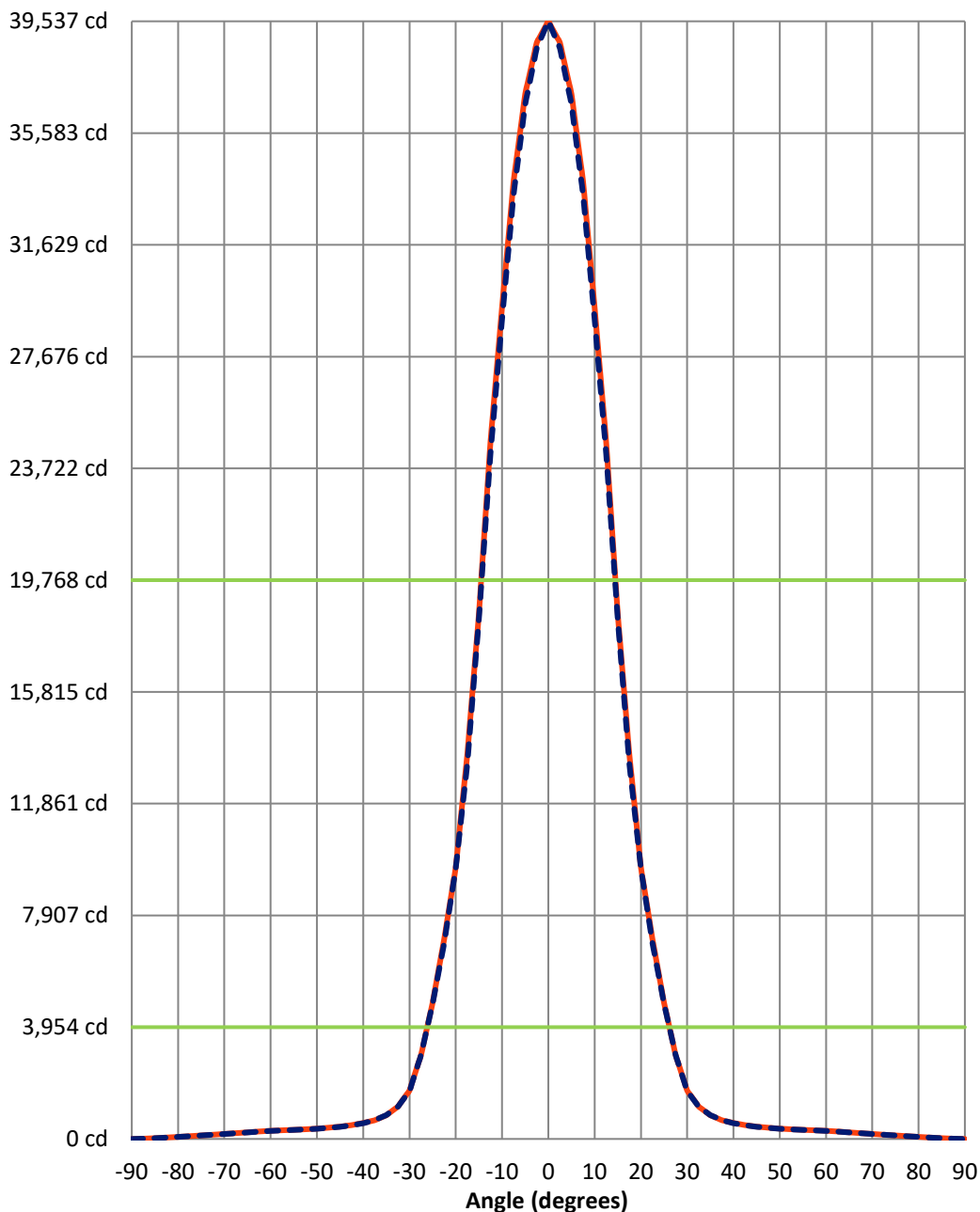
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 28.8°
 V Angle: 29°
 Lumens: 6005.6
 Efficiency: 48.6%

Field:
 H Angle: 52.3°
 V Angle: 52.3°
 Lumens: 10135.1
 Efficiency: 82.0%

Spill:
 Lumens: 2217.5
 Efficiency: 18.0%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
85°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
82.5°	0.0	1.3	2.7	4.0	5.3	6.6	7.9	9.2	10.6	13.0	15.6
80°	0.0	1.8	3.5	5.3	7.0	8.8	10.7	13.8	17.1	20.5	24.0
77.5°	0.0	2.2	4.4	6.6	8.8	11.5	15.2	19.2	23.4	27.8	32.6
75°	0.0	2.6	5.3	7.9	10.7	15.2	19.7	24.5	29.8	35.9	42.0
72.5°	0.0	3.1	6.1	9.2	13.7	18.9	24.1	30.1	37.2	44.3	51.2
70°	0.0	3.5	7.0	10.6	16.6	22.6	28.6	36.6	44.6	52.6	61.2
67.5°	0.0	3.9	7.8	12.8	19.5	26.1	34.2	42.9	51.9	61.6	71.2
65°	0.0	4.3	8.6	14.9	22.3	30.2	39.6	49.2	59.8	70.5	81.3
62.5°	0.0	4.7	9.4	17.0	25.1	34.6	45.0	55.8	67.6	79.3	91.7
60°	0.0	5.1	10.2	19.0	27.8	39.0	50.2	62.5	75.2	88.3	101.8
57.5°	0.0	5.5	11.5	21.0	31.1	43.3	55.7	69.0	82.7	97.0	111.8
55°	0.0	5.8	12.8	22.9	34.5	47.4	61.0	75.3	90.1	105.4	121.6
52.5°	0.0	6.2	14.0	24.8	37.7	51.5	66.2	81.4	97.1	114.0	131.1
50°	0.0	6.6	15.2	26.6	40.8	55.6	71.1	87.4	104.0	122.2	139.9
47.5°	0.0	6.9	16.4	28.4	43.8	59.5	75.9	93.1	111.1	130.2	148.2
45°	0.0	7.2	17.5	30.6	46.7	63.2	80.6	98.6	118.0	137.3	156.1
42.5°	0.0	7.5	18.6	32.7	49.5	66.7	85.1	104.1	124.5	143.9	163.3
40°	0.0	7.8	19.6	34.6	52.1	70.1	89.4	109.5	130.4	150.1	170.2
37.5°	0.0	8.1	20.6	36.5	54.7	73.2	93.5	114.5	135.7	156.1	176.7
35°	0.0	8.4	21.5	38.2	57.0	76.3	97.3	119.1	140.7	161.8	182.8
32.5°	0.0	8.6	22.3	39.7	59.2	79.3	100.9	123.4	145.3	167.1	188.7
30°	0.0	8.8	23.1	41.2	61.3	82.1	104.4	127.3	149.7	172.0	194.2
27.5°	0.0	9.0	23.9	42.5	63.1	84.7	107.5	130.8	153.6	176.5	199.2
25°	0.0	9.2	24.6	43.7	64.8	87.0	110.4	134.0	157.3	180.6	203.9
22.5°	0.0	9.4	25.2	44.7	66.4	89.1	112.9	136.8	160.5	184.3	208.5
20°	0.0	9.6	25.8	45.6	67.9	91.0	115.1	139.3	163.4	187.6	212.6
17.5°	0.0	9.7	26.3	46.4	69.1	92.6	117.1	141.5	166.0	190.5	216.2
15°	0.0	9.9	26.7	47.0	70.3	93.9	119.0	143.5	168.1	192.9	219.2
12.5°	0.0	10.0	27.1	47.5	71.3	94.9	120.6	145.4	170.1	194.9	221.7
10°	0.0	10.0	27.4	47.9	72.1	95.7	121.9	146.9	171.9	197.2	224.1
7.5°	0.0	10.1	27.6	48.2	72.7	96.2	123.0	148.1	173.3	199.3	226.6
5°	0.0	10.2	27.8	48.3	73.2	96.5	123.8	149.0	174.3	201.0	228.6
2.5°	0.0	10.2	27.9	48.3	73.5	96.6	124.2	149.5	174.9	202.2	230.0
0°	0.0	10.2	27.9	48.2	73.6	96.4	124.4	149.7	175.1	203.0	230.9
-2.5°	0.0	10.2	27.9	48.3	73.5	96.6	124.2	149.5	174.9	202.2	230.0
-5°	0.0	10.2	27.8	48.3	73.2	96.5	123.8	149.0	174.3	201.0	228.6
-7.5°	0.0	10.1	27.6	48.2	72.7	96.2	123.0	148.1	173.3	199.3	226.6
-10°	0.0	10.0	27.4	47.9	72.1	95.7	121.9	146.9	171.9	197.2	224.1
-12.5°	0.0	10.0	27.1	47.5	71.3	94.9	120.6	145.4	170.1	194.9	221.7
-15°	0.0	9.9	26.7	47.0	70.3	93.9	119.0	143.5	168.1	192.9	219.2
-17.5°	0.0	9.7	26.3	46.4	69.1	92.6	117.1	141.5	166.0	190.5	216.2
-20°	0.0	9.6	25.8	45.6	67.9	91.0	115.1	139.3	163.4	187.6	212.6

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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°	0.0	9.4	25.2	44.7	66.4	89.1	112.9	136.8	160.5	184.3	208.5
-25°	0.0	9.2	24.6	43.7	64.8	87.0	110.4	134.0	157.3	180.6	203.9
-27.5°	0.0	9.0	23.9	42.5	63.1	84.7	107.5	130.8	153.6	176.5	199.2
-30°	0.0	8.8	23.1	41.2	61.3	82.1	104.4	127.3	149.7	172.0	194.2
-32.5°	0.0	8.6	22.3	39.7	59.2	79.3	100.9	123.4	145.3	167.1	188.7
-35°	0.0	8.4	21.5	38.2	57.0	76.3	97.3	119.1	140.7	161.8	182.8
-37.5°	0.0	8.1	20.6	36.5	54.7	73.2	93.5	114.5	135.7	156.1	176.7
-40°	0.0	7.8	19.6	34.6	52.1	70.1	89.4	109.5	130.4	150.1	170.2
-42.5°	0.0	7.5	18.6	32.7	49.5	66.7	85.1	104.1	124.5	143.9	163.3
-45°	0.0	7.2	17.5	30.6	46.7	63.2	80.6	98.6	118.0	137.3	156.1
-47.5°	0.0	6.9	16.4	28.4	43.8	59.5	75.9	93.1	111.1	130.2	148.2
-50°	0.0	6.6	15.2	26.6	40.8	55.6	71.1	87.4	104.0	122.2	139.9
-52.5°	0.0	6.2	14.0	24.8	37.7	51.5	66.2	81.4	97.1	114.0	131.1
-55°	0.0	5.8	12.8	22.9	34.5	47.4	61.0	75.3	90.1	105.4	121.6
-57.5°	0.0	5.5	11.5	21.0	31.1	43.3	55.7	69.0	82.7	97.0	111.8
-60°	0.0	5.1	10.2	19.0	27.8	39.0	50.2	62.5	75.2	88.3	101.8
-62.5°	0.0	4.7	9.4	17.0	25.1	34.6	45.0	55.8	67.6	79.3	91.7
-65°	0.0	4.3	8.6	14.9	22.3	30.2	39.6	49.2	59.8	70.5	81.3
-67.5°	0.0	3.9	7.8	12.8	19.5	26.1	34.2	42.9	51.9	61.6	71.2
-70°	0.0	3.5	7.0	10.6	16.6	22.6	28.6	36.6	44.6	52.6	61.2
-72.5°	0.0	3.1	6.1	9.2	13.7	18.9	24.1	30.1	37.2	44.3	51.2
-75°	0.0	2.6	5.3	7.9	10.7	15.2	19.7	24.5	29.8	35.9	42.0
-77.5°	0.0	2.2	4.4	6.6	8.8	11.5	15.2	19.2	23.4	27.8	32.6
-80°	0.0	1.8	3.5	5.3	7.0	8.8	10.7	13.8	17.1	20.5	24.0
-82.5°	0.0	1.3	2.7	4.0	5.3	6.6	7.9	9.2	10.6	13.0	15.6
-85°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
-87.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.5	7.8	8.1
85°	9.4	10.2	11.7	13.2	14.6	16.0	17.3	18.6	19.8	21.0	22.1
82.5°	18.0	20.3	22.6	24.8	26.9	29.0	31.0	32.9	34.7	36.5	38.2
80°	27.2	30.3	33.5	36.3	39.2	41.9	44.6	47.2	49.6	52.3	55.0
77.5°	37.1	41.0	44.7	47.9	51.5	55.8	60.0	64.0	67.8	71.5	75.0
75°	47.2	51.7	56.7	61.5	66.6	71.8	76.8	81.7	86.4	91.3	96.1
72.5°	57.8	64.0	70.0	75.7	82.2	88.5	94.3	99.6	105.5	112.1	118.2
70°	69.1	76.2	83.8	91.2	98.5	105.6	112.7	119.9	127.2	134.3	141.0
67.5°	80.5	89.4	98.1	106.6	114.9	123.3	131.8	140.5	148.9	156.9	164.7
65°	92.6	102.6	112.3	121.8	131.0	141.3	151.3	161.0	171.7	181.5	190.1
62.5°	104.4	115.5	126.3	137.0	148.2	159.6	171.2	183.4	196.1	205.2	213.1
60°	115.7	128.3	140.3	152.6	165.0	177.9	191.3	204.3	215.9	225.9	234.1
57.5°	126.8	140.8	154.1	167.5	181.1	195.7	210.5	223.8	234.6	244.2	253.2
55°	137.5	153.1	167.2	181.4	197.0	214.1	229.2	241.2	252.2	260.1	268.8
52.5°	147.6	164.3	179.2	195.1	212.8	230.6	245.6	257.3	266.5	274.7	283.2
50°	157.4	174.2	190.6	208.7	227.5	245.3	260.5	271.2	280.5	289.1	297.2
47.5°	166.2	183.7	202.3	221.6	241.2	258.8	273.4	284.3	293.9	302.8	311.8
45°	174.6	193.3	213.1	234.3	254.4	271.7	285.0	296.8	306.1	316.0	327.2
42.5°	182.5	202.6	224.0	246.6	267.1	283.0	295.9	307.2	317.9	329.8	342.3
40°	190.4	211.3	234.5	258.2	279.0	292.8	305.7	317.7	330.0	343.5	357.1
37.5°	197.7	220.1	244.2	268.9	287.8	302.1	315.5	328.8	342.6	357.1	374.1
35°	204.4	228.3	253.5	277.4	295.5	311.2	325.5	339.9	355.4	373.1	391.8
32.5°	210.9	235.7	262.1	284.6	302.6	319.3	335.0	351.4	369.1	388.6	410.1
30°	217.3	242.9	269.7	291.9	308.9	326.0	344.5	362.7	382.3	404.1	429.2
27.5°	223.6	249.6	276.0	297.6	314.4	331.8	351.7	373.7	395.3	419.1	448.2
25°	229.3	256.5	282.3	302.2	319.2	337.4	358.1	381.6	407.0	435.3	470.9
22.5°	234.7	262.8	288.2	306.0	323.1	342.3	364.6	389.4	417.0	449.7	493.3
20°	239.7	267.6	292.1	309.6	326.4	346.2	370.1	396.3	427.8	467.5	519.5
17.5°	244.1	271.7	294.9	312.5	329.9	350.2	374.9	402.2	437.5	483.1	544.8
15°	247.9	275.1	297.2	314.8	332.8	354.3	379.7	409.4	448.1	498.5	566.6
12.5°	251.0	277.7	299.2	316.4	335.1	357.4	383.9	416.5	458.8	515.2	596.0
10°	253.5	279.6	300.8	317.4	336.7	359.4	387.1	422.0	467.4	529.2	621.1
7.5°	255.8	281.3	301.9	317.9	337.6	360.4	389.4	425.8	473.7	539.7	641.1
5°	257.6	282.9	302.5	318.8	338.2	360.8	390.9	428.1	477.7	546.6	655.3
2.5°	258.6	283.9	302.5	319.5	338.2	361.0	392.8	429.3	482.1	552.4	663.3
0°	258.9	284.2	302.0	319.8	337.5	360.4	393.4	428.9	484.7	555.8	664.9
-2.5°	258.6	283.9	302.5	319.5	338.2	361.0	392.8	429.3	482.1	552.4	663.3
-5°	257.6	282.9	302.5	318.8	338.2	360.8	390.9	428.1	477.7	546.6	655.3
-7.5°	255.8	281.3	301.9	317.9	337.6	360.4	389.4	425.8	473.7	539.7	641.1
-10°	253.5	279.6	300.8	317.4	336.7	359.4	387.1	422.0	467.4	529.2	621.1
-12.5°	251.0	277.7	299.2	316.4	335.1	357.4	383.9	416.5	458.8	515.2	596.0
-15°	247.9	275.1	297.2	314.8	332.8	354.3	379.7	409.4	448.1	498.5	566.6
-17.5°	244.1	271.7	294.9	312.5	329.9	350.2	374.9	402.2	437.5	483.1	544.8
-20°	239.7	267.6	292.1	309.6	326.4	346.2	370.1	396.3	427.8	467.5	519.5

Classified

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

Scaled Data Report



REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	234.7	262.8	288.2	306.0	323.1	342.3	364.6	389.4	417.0	449.7	493.3
-25°	229.3	256.5	282.3	302.2	319.2	337.4	358.1	381.6	407.0	435.3	470.9
-27.5°	223.6	249.6	276.0	297.6	314.4	331.8	351.7	373.7	395.3	419.1	448.2
-30°	217.3	242.9	269.7	291.9	308.9	326.0	344.5	362.7	382.3	404.1	429.2
-32.5°	210.9	235.7	262.1	284.6	302.6	319.3	335.0	351.4	369.1	388.6	410.1
-35°	204.4	228.3	253.5	277.4	295.5	311.2	325.5	339.9	355.4	373.1	391.8
-37.5°	197.7	220.1	244.2	268.9	287.8	302.1	315.5	328.8	342.6	357.1	374.1
-40°	190.4	211.3	234.5	258.2	279.0	292.8	305.7	317.7	330.0	343.5	357.1
-42.5°	182.5	202.6	224.0	246.6	267.1	283.0	295.9	307.2	317.9	329.8	342.3
-45°	174.6	193.3	213.1	234.3	254.4	271.7	285.0	296.8	306.1	316.0	327.2
-47.5°	166.2	183.7	202.3	221.6	241.2	258.8	273.4	284.3	293.9	302.8	311.8
-50°	157.4	174.2	190.6	208.7	227.5	245.3	260.5	271.2	280.5	289.1	297.2
-52.5°	147.6	164.3	179.2	195.1	212.8	230.6	245.6	257.3	266.5	274.7	283.2
-55°	137.5	153.1	167.2	181.4	197.0	214.1	229.2	241.2	252.2	260.1	268.8
-57.5°	126.8	140.8	154.1	167.5	181.1	195.7	210.5	223.8	234.6	244.2	253.2
-60°	115.7	128.3	140.3	152.6	165.0	177.9	191.3	204.3	215.9	225.9	234.1
-62.5°	104.4	115.5	126.3	137.0	148.2	159.6	171.2	183.4	196.1	205.2	213.1
-65°	92.6	102.6	112.3	121.8	131.0	141.3	151.3	161.0	171.7	181.5	190.1
-67.5°	80.5	89.4	98.1	106.6	114.9	123.3	131.8	140.5	148.9	156.9	164.7
-70°	69.1	76.2	83.8	91.2	98.5	105.6	112.7	119.9	127.2	134.3	141.0
-72.5°	57.8	64.0	70.0	75.7	82.2	88.5	94.3	99.6	105.5	112.1	118.2
-75°	47.2	51.7	56.7	61.5	66.6	71.8	76.8	81.7	86.4	91.3	96.1
-77.5°	37.1	41.0	44.7	47.9	51.5	55.8	60.0	64.0	67.8	71.5	75.0
-80°	27.2	30.3	33.5	36.3	39.2	41.9	44.6	47.2	49.6	52.3	55.0
-82.5°	18.0	20.3	22.6	24.8	26.9	29.0	31.0	32.9	34.7	36.5	38.2
-85°	9.4	10.2	11.7	13.2	14.6	16.0	17.3	18.6	19.8	21.0	22.1
-87.5°	4.7	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.5	7.8	8.1
-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: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.0
85°	23.1	24.1	25.0	25.9	26.7	26.9	26.9	26.9	26.7	27.1	27.4
82.5°	39.7	41.5	43.3	45.1	46.8	47.5	47.9	48.3	48.5	49.2	49.8
80°	57.7	60.5	63.1	65.4	67.4	68.9	70.3	71.5	72.6	73.2	73.4
77.5°	78.5	81.9	85.1	88.1	90.8	93.0	94.7	96.1	97.2	97.9	98.3
75°	101.0	105.3	109.2	112.7	116.0	118.3	119.9	121.0	121.8	122.7	123.4
72.5°	123.6	128.6	133.1	137.4	141.2	143.8	145.7	147.2	148.3	149.1	149.6
70°	147.4	153.3	158.3	162.7	166.1	168.6	170.6	172.2	173.5	174.3	174.8
67.5°	172.1	178.4	183.1	186.9	190.0	192.7	195.1	197.0	198.2	199.4	200.7
65°	197.3	203.7	208.5	212.5	215.7	219.2	222.4	224.8	226.3	227.8	229.2
62.5°	220.9	228.1	233.7	239.0	244.3	249.3	252.2	254.4	256.0	257.4	259.1
60°	242.4	250.6	257.4	263.8	270.2	276.7	279.4	281.5	283.5	285.4	287.0
57.5°	261.4	270.2	278.5	284.8	291.0	297.0	301.2	303.5	305.1	305.9	306.6
55°	278.0	286.8	295.1	302.3	309.0	315.3	319.9	322.2	323.9	324.9	325.6
52.5°	292.9	302.2	311.1	319.1	326.4	333.1	339.0	342.1	344.6	346.3	346.9
50°	307.6	317.6	327.2	335.8	344.2	352.3	359.7	364.0	367.0	368.8	369.4
47.5°	322.8	333.7	344.1	354.1	363.7	373.2	382.0	387.8	392.1	395.3	397.6
45°	338.7	350.4	361.9	373.7	384.7	396.9	408.1	416.6	422.9	428.4	432.8
42.5°	354.6	367.9	381.1	396.2	411.2	425.2	438.4	449.8	460.1	470.2	478.0
40°	372.0	386.5	404.6	422.5	441.0	457.3	476.6	493.8	509.7	526.8	541.0
37.5°	391.0	409.6	431.0	452.5	476.6	500.0	526.9	553.5	576.5	606.5	630.6
35°	411.7	435.3	460.5	489.3	520.5	557.1	594.8	639.1	676.6	724.2	768.3
32.5°	434.8	462.5	495.3	534.9	576.8	635.7	691.0	765.9	830.0	912.8	1003.1
30°	458.2	494.0	538.6	589.7	660.7	744.3	841.7	968.5	1105.7	1247.6	1438.5
27.5°	486.0	532.5	588.2	667.1	773.2	888.9	1087.5	1301.9	1600.6	1837.0	2258.2
25°	515.9	573.5	655.7	770.1	916.8	1150.9	1486.1	1874.2	2471.9	3003.5	3614.4
22.5°	551.3	629.6	738.5	888.2	1143.9	1546.8	2070.0	2867.0	3752.9	4627.3	5426.6
20°	588.8	683.4	835.6	1079.5	1474.7	2057.2	2990.7	4129.5	5305.7	6504.1	7514.0
17.5°	632.7	761.0	961.5	1285.4	1849.2	2846.7	4093.4	5541.5	7078.2	8607.4	9935.7
15°	670.4	828.9	1098.9	1584.0	2424.8	3672.4	5204.7	7033.6	8966.0	10950.6	13101.5
12.5°	718.4	910.8	1240.5	1830.9	2935.5	4557.1	6432.0	8555.4	10915.1	13550.1	16903.3
10°	762.5	996.6	1426.7	2226.5	3549.4	5383.5	7492.1	9901.1	12961.9	16921.7	20966.5
7.5°	797.8	1064.6	1571.1	2535.2	4064.2	6089.4	8446.6	11335.0	15153.5	19868.7	24490.1
5°	822.4	1111.7	1674.4	2768.4	4478.3	6629.0	9124.0	12391.9	17000.8	22280.9	26999.7
2.5°	837.8	1137.5	1725.0	2906.9	4748.4	6953.7	9546.6	13063.7	18133.0	23816.5	28594.2
0°	845.1	1142.0	1692.7	2974.3	4786.3	6930.7	9585.3	13288.0	18401.6	24233.5	28991.9
-2.5°	837.8	1137.5	1725.0	2906.9	4748.4	6953.7	9546.6	13063.7	18133.0	23816.5	28594.2
-5°	822.4	1111.7	1674.4	2768.4	4478.3	6629.0	9124.0	12391.9	17000.8	22280.9	26999.7
-7.5°	797.8	1064.6	1571.1	2535.2	4064.2	6089.4	8446.6	11335.0	15153.5	19868.7	24490.1
-10°	762.5	996.6	1426.7	2226.5	3549.4	5383.5	7492.1	9901.1	12961.9	16921.7	20966.5
-12.5°	718.4	910.8	1240.5	1830.9	2935.5	4557.1	6432.0	8555.4	10915.1	13550.1	16903.3
-15°	670.4	828.9	1098.9	1584.0	2424.8	3672.4	5204.7	7033.6	8966.0	10950.6	13101.5
-17.5°	632.7	761.0	961.5	1285.4	1849.2	2846.7	4093.4	5541.5	7078.2	8607.4	9935.7
-20°	588.8	683.4	835.6	1079.5	1474.7	2057.2	2990.7	4129.5	5305.7	6504.1	7514.0

Classified

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

Scaled Data Report



REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	551.3	629.6	738.5	888.2	1143.9	1546.8	2070.0	2867.0	3752.9	4627.3	5426.6
-25°	515.9	573.5	655.7	770.1	916.8	1150.9	1486.1	1874.2	2471.9	3003.5	3614.4
-27.5°	486.0	532.5	588.2	667.1	773.2	888.9	1087.5	1301.9	1600.6	1837.0	2258.2
-30°	458.2	494.0	538.6	589.7	660.7	744.3	841.7	968.5	1105.7	1247.6	1438.5
-32.5°	434.8	462.5	495.3	534.9	576.8	635.7	691.0	765.9	830.0	912.8	1003.1
-35°	411.7	435.3	460.5	489.3	520.5	557.1	594.8	639.1	676.6	724.2	768.3
-37.5°	391.0	409.6	431.0	452.5	476.6	500.0	526.9	553.5	576.5	606.5	630.6
-40°	372.0	386.5	404.6	422.5	441.0	457.3	476.6	493.8	509.7	526.8	541.0
-42.5°	354.6	367.9	381.1	396.2	411.2	425.2	438.4	449.8	460.1	470.2	478.0
-45°	338.7	350.4	361.9	373.7	384.7	396.9	408.1	416.6	422.9	428.4	432.8
-47.5°	322.8	333.7	344.1	354.1	363.7	373.2	382.0	387.8	392.1	395.3	397.6
-50°	307.6	317.6	327.2	335.8	344.2	352.3	359.7	364.0	367.0	368.8	369.4
-52.5°	292.9	302.2	311.1	319.1	326.4	333.1	339.0	342.1	344.6	346.3	346.9
-55°	278.0	286.8	295.1	302.3	309.0	315.3	319.9	322.2	323.9	324.9	325.6
-57.5°	261.4	270.2	278.5	284.8	291.0	297.0	301.2	303.5	305.1	305.9	306.6
-60°	242.4	250.6	257.4	263.8	270.2	276.7	279.4	281.5	283.5	285.4	287.0
-62.5°	220.9	228.1	233.7	239.0	244.3	249.3	252.2	254.4	256.0	257.4	259.1
-65°	197.3	203.7	208.5	212.5	215.7	219.2	222.4	224.8	226.3	227.8	229.2
-67.5°	172.1	178.4	183.1	186.9	190.0	192.7	195.1	197.0	198.2	199.4	200.7
-70°	147.4	153.3	158.3	162.7	166.1	168.6	170.6	172.2	173.5	174.3	174.8
-72.5°	123.6	128.6	133.1	137.4	141.2	143.8	145.7	147.2	148.3	149.1	149.6
-75°	101.0	105.3	109.2	112.7	116.0	118.3	119.9	121.0	121.8	122.7	123.4
-77.5°	78.5	81.9	85.1	88.1	90.8	93.0	94.7	96.1	97.2	97.9	98.3
-80°	57.7	60.5	63.1	65.4	67.4	68.9	70.3	71.5	72.6	73.2	73.4
-82.5°	39.7	41.5	43.3	45.1	46.8	47.5	47.9	48.3	48.5	49.2	49.8
-85°	23.1	24.1	25.0	25.9	26.7	26.9	26.9	26.9	26.7	27.1	27.4
-87.5°	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.0
-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: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.7
85°	27.6	27.8	27.9	27.9	27.9	27.8	27.6	27.4	27.1	26.7	26.9
82.5°	50.2	50.5	50.7	50.8	50.7	50.5	50.2	49.8	49.2	48.5	48.3
80°	73.4	73.3	73.5	73.6	73.5	73.3	73.4	73.4	73.2	72.6	71.5
77.5°	98.6	98.5	98.9	99.0	98.9	98.5	98.6	98.3	97.9	97.2	96.1
75°	123.8	123.9	124.3	124.4	124.3	123.9	123.8	123.4	122.7	121.8	121.0
72.5°	149.5	149.1	149.5	149.7	149.5	149.1	149.5	149.6	149.1	148.3	147.2
70°	174.8	174.5	176.1	177.6	176.1	174.5	174.8	174.8	174.3	173.5	172.2
67.5°	201.6	202.1	203.9	205.6	203.9	202.1	201.6	200.7	199.4	198.2	197.0
65°	229.9	230.0	231.8	233.5	231.8	230.0	229.9	229.2	227.8	226.3	224.8
62.5°	260.0	260.3	262.1	263.9	262.1	260.3	260.0	259.1	257.4	256.0	254.4
60°	288.0	288.3	289.0	289.3	289.0	288.3	288.0	287.0	285.4	283.5	281.5
57.5°	306.9	306.6	306.9	307.1	306.9	306.6	306.9	306.6	305.9	305.1	303.5
55°	325.4	324.5	323.6	322.3	323.6	324.5	325.4	325.6	324.9	323.9	322.2
52.5°	346.4	345.0	343.8	342.6	343.8	345.0	346.4	346.9	346.3	344.6	342.1
50°	369.1	367.9	366.7	365.4	366.7	367.9	369.1	369.4	368.8	367.0	364.0
47.5°	399.2	399.7	399.5	398.4	399.5	399.7	399.2	397.6	395.3	392.1	387.8
45°	435.8	437.3	437.4	436.5	437.4	437.3	435.8	432.8	428.4	422.9	416.6
42.5°	483.6	486.8	488.6	489.8	488.6	486.8	483.6	478.0	470.2	460.1	449.8
40°	551.3	557.9	562.0	565.9	562.0	557.9	551.3	541.0	526.8	509.7	493.8
37.5°	648.4	660.3	665.7	662.4	665.7	660.3	648.4	630.6	606.5	576.5	553.5
35°	802.1	824.8	836.6	837.5	836.6	824.8	802.1	768.3	724.2	676.6	639.1
32.5°	1069.9	1116.2	1141.1	1144.6	1141.1	1116.2	1069.9	1003.1	912.8	830.0	765.9
30°	1584.8	1679.2	1723.5	1713.0	1723.5	1679.2	1584.8	1438.5	1247.6	1105.7	968.5
27.5°	2585.5	2821.1	2960.7	2971.8	2960.7	2821.1	2585.5	2258.2	1837.0	1600.6	1301.9
25°	4155.5	4557.6	4815.1	4819.3	4815.1	4557.6	4155.5	3614.4	3003.5	2471.9	1874.2
22.5°	6165.6	6714.5	7015.2	7067.8	7015.2	6714.5	6165.6	5426.6	4627.3	3752.9	2867.0
20°	8494.4	9224.6	9615.3	9615.7	9615.3	9224.6	8494.4	7514.0	6504.1	5305.7	4129.5
17.5°	11362.4	12548.1	13292.4	13612.8	13292.4	12548.1	11362.4	9935.7	8607.4	7078.2	5541.5
15°	15172.6	17165.1	18359.0	18574.2	18359.0	17165.1	15172.6	13101.5	10950.6	8966.0	7033.6
12.5°	19811.9	22333.5	24028.5	24649.7	24028.5	22333.5	19811.9	16903.3	13550.1	10915.1	8555.4
10°	24655.8	26992.1	28808.0	29418.2	28808.0	26992.1	24655.8	20966.5	16921.7	12961.9	9901.1
7.5°	28155.1	30941.1	32986.6	33884.8	32986.6	30941.1	28155.1	24490.1	19868.7	15153.5	11335.0
5°	30917.5	34214.0	36118.1	36963.1	36118.1	34214.0	30917.5	26999.7	22280.9	17000.8	12391.9
2.5°	32730.0	35987.2	38003.5	38782.7	38003.5	35987.2	32730.0	28594.2	23816.5	18133.0	13063.7
0°	33407.7	36592.6	38584.8	39536.5	38584.8	36592.6	33407.7	28991.9	24233.5	18401.6	13288.0
-2.5°	32730.0	35987.2	38003.5	38782.7	38003.5	35987.2	32730.0	28594.2	23816.5	18133.0	13063.7
-5°	30917.5	34214.0	36118.1	36963.1	36118.1	34214.0	30917.5	26999.7	22280.9	17000.8	12391.9
-7.5°	28155.1	30941.1	32986.6	33884.8	32986.6	30941.1	28155.1	24490.1	19868.7	15153.5	11335.0
-10°	24655.8	26992.1	28808.0	29418.2	28808.0	26992.1	24655.8	20966.5	16921.7	12961.9	9901.1
-12.5°	19811.9	22333.5	24028.5	24649.7	24028.5	22333.5	19811.9	16903.3	13550.1	10915.1	8555.4
-15°	15172.6	17165.1	18359.0	18574.2	18359.0	17165.1	15172.6	13101.5	10950.6	8966.0	7033.6
-17.5°	11362.4	12548.1	13292.4	13612.8	13292.4	12548.1	11362.4	9935.7	8607.4	7078.2	5541.5
-20°	8494.4	9224.6	9615.3	9615.7	9615.3	9224.6	8494.4	7514.0	6504.1	5305.7	4129.5

Classified

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

Scaled Data Report



REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6165.6	6714.5	7015.2	7067.8	7015.2	6714.5	6165.6	5426.6	4627.3	3752.9	2867.0
-25°	4155.5	4557.6	4815.1	4819.3	4815.1	4557.6	4155.5	3614.4	3003.5	2471.9	1874.2
-27.5°	2585.5	2821.1	2960.7	2971.8	2960.7	2821.1	2585.5	2258.2	1837.0	1600.6	1301.9
-30°	1584.8	1679.2	1723.5	1713.0	1723.5	1679.2	1584.8	1438.5	1247.6	1105.7	968.5
-32.5°	1069.9	1116.2	1141.1	1144.6	1141.1	1116.2	1069.9	1003.1	912.8	830.0	765.9
-35°	802.1	824.8	836.6	837.5	836.6	824.8	802.1	768.3	724.2	676.6	639.1
-37.5°	648.4	660.3	665.7	662.4	665.7	660.3	648.4	630.6	606.5	576.5	553.5
-40°	551.3	557.9	562.0	565.9	562.0	557.9	551.3	541.0	526.8	509.7	493.8
-42.5°	483.6	486.8	488.6	489.8	488.6	486.8	483.6	478.0	470.2	460.1	449.8
-45°	435.8	437.3	437.4	436.5	437.4	437.3	435.8	432.8	428.4	422.9	416.6
-47.5°	399.2	399.7	399.5	398.4	399.5	399.7	399.2	397.6	395.3	392.1	387.8
-50°	369.1	367.9	366.7	365.4	366.7	367.9	369.1	369.4	368.8	367.0	364.0
-52.5°	346.4	345.0	343.8	342.6	343.8	345.0	346.4	346.9	346.3	344.6	342.1
-55°	325.4	324.5	323.6	322.3	323.6	324.5	325.4	325.6	324.9	323.9	322.2
-57.5°	306.9	306.6	306.9	307.1	306.9	306.6	306.9	306.6	305.9	305.1	303.5
-60°	288.0	288.3	289.0	289.3	289.0	288.3	288.0	287.0	285.4	283.5	281.5
-62.5°	260.0	260.3	262.1	263.9	262.1	260.3	260.0	259.1	257.4	256.0	254.4
-65°	229.9	230.0	231.8	233.5	231.8	230.0	229.9	229.2	227.8	226.3	224.8
-67.5°	201.6	202.1	203.9	205.6	203.9	202.1	201.6	200.7	199.4	198.2	197.0
-70°	174.8	174.5	176.1	177.6	176.1	174.5	174.8	174.8	174.3	173.5	172.2
-72.5°	149.5	149.1	149.5	149.7	149.5	149.1	149.5	149.6	149.1	148.3	147.2
-75°	123.8	123.9	124.3	124.4	124.3	123.9	123.8	123.4	122.7	121.8	121.0
-77.5°	98.6	98.5	98.9	99.0	98.9	98.5	98.6	98.3	97.9	97.2	96.1
-80°	73.4	73.3	73.5	73.6	73.5	73.3	73.4	73.4	73.2	72.6	71.5
-82.5°	50.2	50.5	50.7	50.8	50.7	50.5	50.2	49.8	49.2	48.5	48.3
-85°	27.6	27.8	27.9	27.9	27.9	27.8	27.6	27.4	27.1	26.7	26.9
-87.5°	10.1	10.2	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.7
-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: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
85°	26.9	26.9	26.7	25.9	25.0	24.1	23.1	22.1	21.0	19.8	18.6
82.5°	47.9	47.5	46.8	45.1	43.3	41.5	39.7	38.2	36.5	34.7	32.9
80°	70.3	68.9	67.4	65.4	63.1	60.5	57.7	55.0	52.3	49.6	47.2
77.5°	94.7	93.0	90.8	88.1	85.1	81.9	78.5	75.0	71.5	67.8	64.0
75°	119.9	118.3	116.0	112.7	109.2	105.3	101.0	96.1	91.3	86.4	81.7
72.5°	145.7	143.8	141.2	137.4	133.1	128.6	123.6	118.2	112.1	105.5	99.6
70°	170.6	168.6	166.1	162.7	158.3	153.3	147.4	141.0	134.3	127.2	119.9
67.5°	195.1	192.7	190.0	186.9	183.1	178.4	172.1	164.7	156.9	148.9	140.5
65°	222.4	219.2	215.7	212.5	208.5	203.7	197.3	190.1	181.5	171.7	161.0
62.5°	252.2	249.3	244.3	239.0	233.7	228.1	220.9	213.1	205.2	196.1	183.4
60°	279.4	276.7	270.2	263.8	257.4	250.6	242.4	234.1	225.9	215.9	204.3
57.5°	301.2	297.0	291.0	284.8	278.5	270.2	261.4	253.2	244.2	234.6	223.8
55°	319.9	315.3	309.0	302.3	295.1	286.8	278.0	268.8	260.1	252.2	241.2
52.5°	339.0	333.1	326.4	319.1	311.1	302.2	292.9	283.2	274.7	266.5	257.3
50°	359.7	352.3	344.2	335.8	327.2	317.6	307.6	297.2	289.1	280.5	271.2
47.5°	382.0	373.2	363.7	354.1	344.1	333.7	322.8	311.8	302.8	293.9	284.3
45°	408.1	396.9	384.7	373.7	361.9	350.4	338.7	327.2	316.0	306.1	296.8
42.5°	438.4	425.2	411.2	396.2	381.1	367.9	354.6	342.3	329.8	317.9	307.2
40°	476.6	457.3	441.0	422.5	404.6	386.5	372.0	357.1	343.5	330.0	317.7
37.5°	526.9	500.0	476.6	452.5	431.0	409.6	391.0	374.1	357.1	342.6	328.8
35°	594.8	557.1	520.5	489.3	460.5	435.3	411.7	391.8	373.1	355.4	339.9
32.5°	691.0	635.7	576.8	534.9	495.3	462.5	434.8	410.1	388.6	369.1	351.4
30°	841.7	744.3	660.7	589.7	538.6	494.0	458.2	429.2	404.1	382.3	362.7
27.5°	1087.5	888.9	773.2	667.1	588.2	532.5	486.0	448.2	419.1	395.3	373.7
25°	1486.1	1150.9	916.8	770.1	655.7	573.5	515.9	470.9	435.3	407.0	381.6
22.5°	2070.0	1546.8	1143.9	888.2	738.5	629.6	551.3	493.3	449.7	417.0	389.4
20°	2990.7	2057.2	1474.7	1079.5	835.6	683.4	588.8	519.5	467.5	427.8	396.3
17.5°	4093.4	2846.7	1849.2	1285.4	961.5	761.0	632.7	544.8	483.1	437.5	402.2
15°	5204.7	3672.4	2424.8	1584.0	1098.9	828.9	670.4	566.6	498.5	448.1	409.4
12.5°	6432.0	4557.1	2935.5	1830.9	1240.5	910.8	718.4	596.0	515.2	458.8	416.5
10°	7492.1	5383.5	3549.4	2226.5	1426.7	996.6	762.5	621.1	529.2	467.4	422.0
7.5°	8446.6	6089.4	4064.2	2535.2	1571.1	1064.6	797.8	641.1	539.7	473.7	425.8
5°	9124.0	6629.0	4478.3	2768.4	1674.4	1111.7	822.4	655.3	546.6	477.7	428.1
2.5°	9546.6	6953.7	4748.4	2906.9	1725.0	1137.5	837.8	663.3	552.4	482.1	429.3
0°	9585.3	6930.7	4786.3	2974.3	1692.7	1142.0	845.1	664.9	555.8	484.7	428.9
-2.5°	9546.6	6953.7	4748.4	2906.9	1725.0	1137.5	837.8	663.3	552.4	482.1	429.3
-5°	9124.0	6629.0	4478.3	2768.4	1674.4	1111.7	822.4	655.3	546.6	477.7	428.1
-7.5°	8446.6	6089.4	4064.2	2535.2	1571.1	1064.6	797.8	641.1	539.7	473.7	425.8
-10°	7492.1	5383.5	3549.4	2226.5	1426.7	996.6	762.5	621.1	529.2	467.4	422.0
-12.5°	6432.0	4557.1	2935.5	1830.9	1240.5	910.8	718.4	596.0	515.2	458.8	416.5
-15°	5204.7	3672.4	2424.8	1584.0	1098.9	828.9	670.4	566.6	498.5	448.1	409.4
-17.5°	4093.4	2846.7	1849.2	1285.4	961.5	761.0	632.7	544.8	483.1	437.5	402.2
-20°	2990.7	2057.2	1474.7	1079.5	835.6	683.4	588.8	519.5	467.5	427.8	396.3

Classified

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

Scaled Data Report



REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2070.0	1546.8	1143.9	888.2	738.5	629.6	551.3	493.3	449.7	417.0	389.4
-25°	1486.1	1150.9	916.8	770.1	655.7	573.5	515.9	470.9	435.3	407.0	381.6
-27.5°	1087.5	888.9	773.2	667.1	588.2	532.5	486.0	448.2	419.1	395.3	373.7
-30°	841.7	744.3	660.7	589.7	538.6	494.0	458.2	429.2	404.1	382.3	362.7
-32.5°	691.0	635.7	576.8	534.9	495.3	462.5	434.8	410.1	388.6	369.1	351.4
-35°	594.8	557.1	520.5	489.3	460.5	435.3	411.7	391.8	373.1	355.4	339.9
-37.5°	526.9	500.0	476.6	452.5	431.0	409.6	391.0	374.1	357.1	342.6	328.8
-40°	476.6	457.3	441.0	422.5	404.6	386.5	372.0	357.1	343.5	330.0	317.7
-42.5°	438.4	425.2	411.2	396.2	381.1	367.9	354.6	342.3	329.8	317.9	307.2
-45°	408.1	396.9	384.7	373.7	361.9	350.4	338.7	327.2	316.0	306.1	296.8
-47.5°	382.0	373.2	363.7	354.1	344.1	333.7	322.8	311.8	302.8	293.9	284.3
-50°	359.7	352.3	344.2	335.8	327.2	317.6	307.6	297.2	289.1	280.5	271.2
-52.5°	339.0	333.1	326.4	319.1	311.1	302.2	292.9	283.2	274.7	266.5	257.3
-55°	319.9	315.3	309.0	302.3	295.1	286.8	278.0	268.8	260.1	252.2	241.2
-57.5°	301.2	297.0	291.0	284.8	278.5	270.2	261.4	253.2	244.2	234.6	223.8
-60°	279.4	276.7	270.2	263.8	257.4	250.6	242.4	234.1	225.9	215.9	204.3
-62.5°	252.2	249.3	244.3	239.0	233.7	228.1	220.9	213.1	205.2	196.1	183.4
-65°	222.4	219.2	215.7	212.5	208.5	203.7	197.3	190.1	181.5	171.7	161.0
-67.5°	195.1	192.7	190.0	186.9	183.1	178.4	172.1	164.7	156.9	148.9	140.5
-70°	170.6	168.6	166.1	162.7	158.3	153.3	147.4	141.0	134.3	127.2	119.9
-72.5°	145.7	143.8	141.2	137.4	133.1	128.6	123.6	118.2	112.1	105.5	99.6
-75°	119.9	118.3	116.0	112.7	109.2	105.3	101.0	96.1	91.3	86.4	81.7
-77.5°	94.7	93.0	90.8	88.1	85.1	81.9	78.5	75.0	71.5	67.8	64.0
-80°	70.3	68.9	67.4	65.4	63.1	60.5	57.7	55.0	52.3	49.6	47.2
-82.5°	47.9	47.5	46.8	45.1	43.3	41.5	39.7	38.2	36.5	34.7	32.9
-85°	26.9	26.9	26.7	25.9	25.0	24.1	23.1	22.1	21.0	19.8	18.6
-87.5°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.1	7.8	7.5	7.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.3	3.9	3.5	3.1
85°	17.3	16.0	14.6	13.2	11.7	10.2	9.4	8.6	7.8	7.0	6.1
82.5°	31.0	29.0	26.9	24.8	22.6	20.3	18.0	15.6	13.0	10.6	9.2
80°	44.6	41.9	39.2	36.3	33.5	30.3	27.2	24.0	20.5	17.1	13.8
77.5°	60.0	55.8	51.5	47.9	44.7	41.0	37.1	32.6	27.8	23.4	19.2
75°	76.8	71.8	66.6	61.5	56.7	51.7	47.2	42.0	35.9	29.8	24.5
72.5°	94.3	88.5	82.2	75.7	70.0	64.0	57.8	51.2	44.3	37.2	30.1
70°	112.7	105.6	98.5	91.2	83.8	76.2	69.1	61.2	52.6	44.6	36.6
67.5°	131.8	123.3	114.9	106.6	98.1	89.4	80.5	71.2	61.6	51.9	42.9
65°	151.3	141.3	131.0	121.8	112.3	102.6	92.6	81.3	70.5	59.8	49.2
62.5°	171.2	159.6	148.2	137.0	126.3	115.5	104.4	91.7	79.3	67.6	55.8
60°	191.3	177.9	165.0	152.6	140.3	128.3	115.7	101.8	88.3	75.2	62.5
57.5°	210.5	195.7	181.1	167.5	154.1	140.8	126.8	111.8	97.0	82.7	69.0
55°	229.2	214.1	197.0	181.4	167.2	153.1	137.5	121.6	105.4	90.1	75.3
52.5°	245.6	230.6	212.8	195.1	179.2	164.3	147.6	131.1	114.0	97.1	81.4
50°	260.5	245.3	227.5	208.7	190.6	174.2	157.4	139.9	122.2	104.0	87.4
47.5°	273.4	258.8	241.2	221.6	202.3	183.7	166.2	148.2	130.2	111.1	93.1
45°	285.0	271.7	254.4	234.3	213.1	193.3	174.6	156.1	137.3	118.0	98.6
42.5°	295.9	283.0	267.1	246.6	224.0	202.6	182.5	163.3	143.9	124.5	104.1
40°	305.7	292.8	279.0	258.2	234.5	211.3	190.4	170.2	150.1	130.4	109.5
37.5°	315.5	302.1	287.8	268.9	244.2	220.1	197.7	176.7	156.1	135.7	114.5
35°	325.5	311.2	295.5	277.4	253.5	228.3	204.4	182.8	161.8	140.7	119.1
32.5°	335.0	319.3	302.6	284.6	262.1	235.7	210.9	188.7	167.1	145.3	123.4
30°	344.5	326.0	308.9	291.9	269.7	242.9	217.3	194.2	172.0	149.7	127.3
27.5°	351.7	331.8	314.4	297.6	276.0	249.6	223.6	199.2	176.5	153.6	130.8
25°	358.1	337.4	319.2	302.2	282.3	256.5	229.3	203.9	180.6	157.3	134.0
22.5°	364.6	342.3	323.1	306.0	288.2	262.8	234.7	208.5	184.3	160.5	136.8
20°	370.1	346.2	326.4	309.6	292.1	267.6	239.7	212.6	187.6	163.4	139.3
17.5°	374.9	350.2	329.9	312.5	294.9	271.7	244.1	216.2	190.5	166.0	141.5
15°	379.7	354.3	332.8	314.8	297.2	275.1	247.9	219.2	192.9	168.1	143.5
12.5°	383.9	357.4	335.1	316.4	299.2	277.7	251.0	221.7	194.9	170.1	145.4
10°	387.1	359.4	336.7	317.4	300.8	279.6	253.5	224.1	197.2	171.9	146.9
7.5°	389.4	360.4	337.6	317.9	301.9	281.3	255.8	226.6	199.3	173.3	148.1
5°	390.9	360.8	338.2	318.8	302.5	282.9	257.6	228.6	201.0	174.3	149.0
2.5°	392.8	361.0	338.2	319.5	302.5	283.9	258.6	230.0	202.2	174.9	149.5
0°	393.4	360.4	337.5	319.8	302.0	284.2	258.9	230.9	203.0	175.1	149.7
-2.5°	392.8	361.0	338.2	319.5	302.5	283.9	258.6	230.0	202.2	174.9	149.5
-5°	390.9	360.8	338.2	318.8	302.5	282.9	257.6	228.6	201.0	174.3	149.0
-7.5°	389.4	360.4	337.6	317.9	301.9	281.3	255.8	226.6	199.3	173.3	148.1
-10°	387.1	359.4	336.7	317.4	300.8	279.6	253.5	224.1	197.2	171.9	146.9
-12.5°	383.9	357.4	335.1	316.4	299.2	277.7	251.0	221.7	194.9	170.1	145.4
-15°	379.7	354.3	332.8	314.8	297.2	275.1	247.9	219.2	192.9	168.1	143.5
-17.5°	374.9	350.2	329.9	312.5	294.9	271.7	244.1	216.2	190.5	166.0	141.5
-20°	370.1	346.2	326.4	309.6	292.1	267.6	239.7	212.6	187.6	163.4	139.3



REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	364.6	342.3	323.1	306.0	288.2	262.8	234.7	208.5	184.3	160.5	136.8
-25°	358.1	337.4	319.2	302.2	282.3	256.5	229.3	203.9	180.6	157.3	134.0
-27.5°	351.7	331.8	314.4	297.6	276.0	249.6	223.6	199.2	176.5	153.6	130.8
-30°	344.5	326.0	308.9	291.9	269.7	242.9	217.3	194.2	172.0	149.7	127.3
-32.5°	335.0	319.3	302.6	284.6	262.1	235.7	210.9	188.7	167.1	145.3	123.4
-35°	325.5	311.2	295.5	277.4	253.5	228.3	204.4	182.8	161.8	140.7	119.1
-37.5°	315.5	302.1	287.8	268.9	244.2	220.1	197.7	176.7	156.1	135.7	114.5
-40°	305.7	292.8	279.0	258.2	234.5	211.3	190.4	170.2	150.1	130.4	109.5
-42.5°	295.9	283.0	267.1	246.6	224.0	202.6	182.5	163.3	143.9	124.5	104.1
-45°	285.0	271.7	254.4	234.3	213.1	193.3	174.6	156.1	137.3	118.0	98.6
-47.5°	273.4	258.8	241.2	221.6	202.3	183.7	166.2	148.2	130.2	111.1	93.1
-50°	260.5	245.3	227.5	208.7	190.6	174.2	157.4	139.9	122.2	104.0	87.4
-52.5°	245.6	230.6	212.8	195.1	179.2	164.3	147.6	131.1	114.0	97.1	81.4
-55°	229.2	214.1	197.0	181.4	167.2	153.1	137.5	121.6	105.4	90.1	75.3
-57.5°	210.5	195.7	181.1	167.5	154.1	140.8	126.8	111.8	97.0	82.7	69.0
-60°	191.3	177.9	165.0	152.6	140.3	128.3	115.7	101.8	88.3	75.2	62.5
-62.5°	171.2	159.6	148.2	137.0	126.3	115.5	104.4	91.7	79.3	67.6	55.8
-65°	151.3	141.3	131.0	121.8	112.3	102.6	92.6	81.3	70.5	59.8	49.2
-67.5°	131.8	123.3	114.9	106.6	98.1	89.4	80.5	71.2	61.6	51.9	42.9
-70°	112.7	105.6	98.5	91.2	83.8	76.2	69.1	61.2	52.6	44.6	36.6
-72.5°	94.3	88.5	82.2	75.7	70.0	64.0	57.8	51.2	44.3	37.2	30.1
-75°	76.8	71.8	66.6	61.5	56.7	51.7	47.2	42.0	35.9	29.8	24.5
-77.5°	60.0	55.8	51.5	47.9	44.7	41.0	37.1	32.6	27.8	23.4	19.2
-80°	44.6	41.9	39.2	36.3	33.5	30.3	27.2	24.0	20.5	17.1	13.8
-82.5°	31.0	29.0	26.9	24.8	22.6	20.3	18.0	15.6	13.0	10.6	9.2
-85°	17.3	16.0	14.6	13.2	11.7	10.2	9.4	8.6	7.8	7.0	6.1
-87.5°	6.9	6.6	6.2	5.8	5.5	5.1	4.7	4.3	3.9	3.5	3.1
-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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Scaled Data Report



REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
85°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
82.5°	7.9	6.6	5.3	4.0	2.7	1.3	0.0
80°	10.7	8.8	7.0	5.3	3.5	1.8	0.0
77.5°	15.2	11.5	8.8	6.6	4.4	2.2	0.0
75°	19.7	15.2	10.7	7.9	5.3	2.6	0.0
72.5°	24.1	18.9	13.7	9.2	6.1	3.1	0.0
70°	28.6	22.6	16.6	10.6	7.0	3.5	0.0
67.5°	34.2	26.1	19.5	12.8	7.8	3.9	0.0
65°	39.6	30.2	22.3	14.9	8.6	4.3	0.0
62.5°	45.0	34.6	25.1	17.0	9.4	4.7	0.0
60°	50.2	39.0	27.8	19.0	10.2	5.1	0.0
57.5°	55.7	43.3	31.1	21.0	11.5	5.5	0.0
55°	61.0	47.4	34.5	22.9	12.8	5.8	0.0
52.5°	66.2	51.5	37.7	24.8	14.0	6.2	0.0
50°	71.1	55.6	40.8	26.6	15.2	6.6	0.0
47.5°	75.9	59.5	43.8	28.4	16.4	6.9	0.0
45°	80.6	63.2	46.7	30.6	17.5	7.2	0.0
42.5°	85.1	66.7	49.5	32.7	18.6	7.5	0.0
40°	89.4	70.1	52.1	34.6	19.6	7.8	0.0
37.5°	93.5	73.2	54.7	36.5	20.6	8.1	0.0
35°	97.3	76.3	57.0	38.2	21.5	8.4	0.0
32.5°	100.9	79.3	59.2	39.7	22.3	8.6	0.0
30°	104.4	82.1	61.3	41.2	23.1	8.8	0.0
27.5°	107.5	84.7	63.1	42.5	23.9	9.0	0.0
25°	110.4	87.0	64.8	43.7	24.6	9.2	0.0
22.5°	112.9	89.1	66.4	44.7	25.2	9.4	0.0
20°	115.1	91.0	67.9	45.6	25.8	9.6	0.0
17.5°	117.1	92.6	69.1	46.4	26.3	9.7	0.0
15°	119.0	93.9	70.3	47.0	26.7	9.9	0.0
12.5°	120.6	94.9	71.3	47.5	27.1	10.0	0.0
10°	121.9	95.7	72.1	47.9	27.4	10.0	0.0
7.5°	123.0	96.2	72.7	48.2	27.6	10.1	0.0
5°	123.8	96.5	73.2	48.3	27.8	10.2	0.0
2.5°	124.2	96.6	73.5	48.3	27.9	10.2	0.0
0°	124.4	96.4	73.6	48.2	27.9	10.2	0.0
-2.5°	124.2	96.6	73.5	48.3	27.9	10.2	0.0
-5°	123.8	96.5	73.2	48.3	27.8	10.2	0.0
-7.5°	123.0	96.2	72.7	48.2	27.6	10.1	0.0
-10°	121.9	95.7	72.1	47.9	27.4	10.0	0.0
-12.5°	120.6	94.9	71.3	47.5	27.1	10.0	0.0
-15°	119.0	93.9	70.3	47.0	26.7	9.9	0.0
-17.5°	117.1	92.6	69.1	46.4	26.3	9.7	0.0
-20°	115.1	91.0	67.9	45.6	25.8	9.6	0.0

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REPORT NUMBER: P626955 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2D-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	112.9	89.1	66.4	44.7	25.2	9.4	0.0
-25°	110.4	87.0	64.8	43.7	24.6	9.2	0.0
-27.5°	107.5	84.7	63.1	42.5	23.9	9.0	0.0
-30°	104.4	82.1	61.3	41.2	23.1	8.8	0.0
-32.5°	100.9	79.3	59.2	39.7	22.3	8.6	0.0
-35°	97.3	76.3	57.0	38.2	21.5	8.4	0.0
-37.5°	93.5	73.2	54.7	36.5	20.6	8.1	0.0
-40°	89.4	70.1	52.1	34.6	19.6	7.8	0.0
-42.5°	85.1	66.7	49.5	32.7	18.6	7.5	0.0
-45°	80.6	63.2	46.7	30.6	17.5	7.2	0.0
-47.5°	75.9	59.5	43.8	28.4	16.4	6.9	0.0
-50°	71.1	55.6	40.8	26.6	15.2	6.6	0.0
-52.5°	66.2	51.5	37.7	24.8	14.0	6.2	0.0
-55°	61.0	47.4	34.5	22.9	12.8	5.8	0.0
-57.5°	55.7	43.3	31.1	21.0	11.5	5.5	0.0
-60°	50.2	39.0	27.8	19.0	10.2	5.1	0.0
-62.5°	45.0	34.6	25.1	17.0	9.4	4.7	0.0
-65°	39.6	30.2	22.3	14.9	8.6	4.3	0.0
-67.5°	34.2	26.1	19.5	12.8	7.8	3.9	0.0
-70°	28.6	22.6	16.6	10.6	7.0	3.5	0.0
-72.5°	24.1	18.9	13.7	9.2	6.1	3.1	0.0
-75°	19.7	15.2	10.7	7.9	5.3	2.6	0.0
-77.5°	15.2	11.5	8.8	6.6	4.4	2.2	0.0
-80°	10.7	8.8	7.0	5.3	3.5	1.8	0.0
-82.5°	7.9	6.6	5.3	4.0	2.7	1.3	0.0
-85°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-87.5°	2.6	2.2	1.8	1.3	0.9	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)