

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: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1A-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1A-730-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N17
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

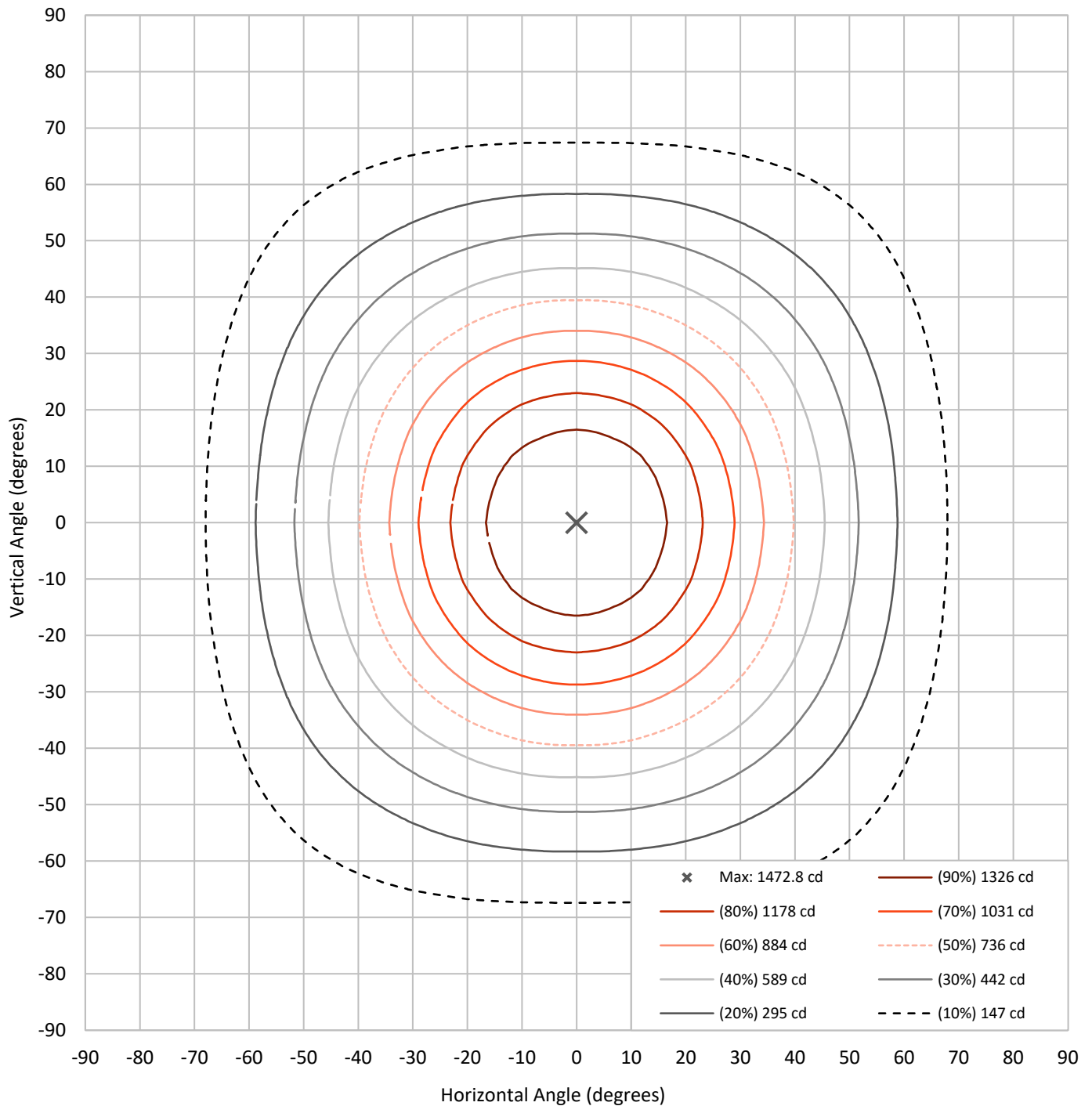
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	2662 lumens	Max Intensity:	1472.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.1 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	1561.3 lumens	Field Lumens:	2537.8 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	18.1		
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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Iso-Candela Plot





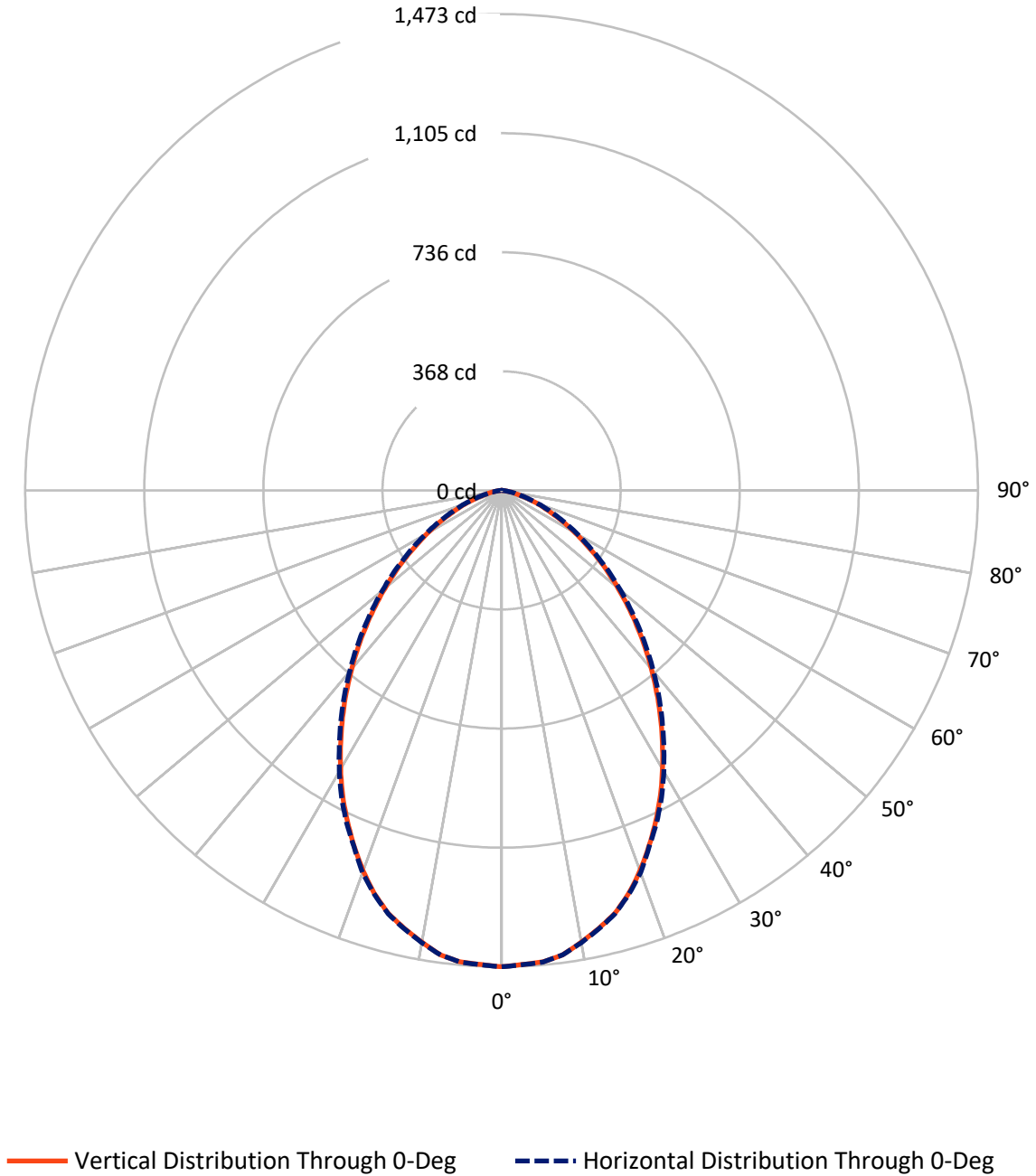
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Lumen Table

90																			
80	0.1	1.1	3.0	5.0	4.8	5.0	3.0	1.1	0.1										
70																			
60	0.5	0.7	1.4	2.3	3.4	4.4	5.2	5.6	5.6	5.2	4.4	3.4	2.3	1.4	0.7	0.5			
50		1.0	2.2	4.0	6.0	8.2	10.0	10.9	10.9	10.0	8.2	6.0	4.0	2.2	1.0				
40	0.9	1.4	3.2	6.0	9.5	13.1	16.2	17.9	17.9	16.2	13.1	9.5	6.0	3.2	1.4	0.9			
30		1.7	4.3	8.2	13.3	18.6	23.1	25.7	25.7	23.1	18.6	13.3	8.2	4.3	1.7				
20	1.1	2.1	5.3	10.3	16.9	24.0	30.1	33.7	33.7	30.1	24.0	16.9	10.3	5.3	2.1	1.1			
10		2.3	6.0	11.9	19.7	28.3	35.9	40.2	40.2	35.9	28.3	19.7	11.9	6.0	2.3				
0	1.2	2.5	6.5	12.8	21.3	30.7	39.0	43.6	43.6	39.0	30.7	21.3	12.8	6.5	2.5	1.2			
-10		2.5	6.5	12.8	21.3	30.7	39.0	43.6	43.6	39.0	30.7	21.3	12.8	6.5	2.5				
-20	1.1	2.3	6.0	11.9	19.7	28.3	35.9	40.2	40.2	35.9	28.3	19.7	11.9	6.0	2.3	1.1			
-30		2.1	5.3	10.3	16.9	24.0	30.1	33.7	33.7	30.1	24.0	16.9	10.3	5.3	2.1				
-40	0.9	1.7	4.3	8.2	13.3	18.6	23.1	25.7	25.7	23.1	18.6	13.3	8.2	4.3	1.7	0.9			
-50		1.4	3.2	6.0	9.5	13.1	16.2	17.9	17.9	16.2	13.1	9.5	6.0	3.2	1.4				
-60	0.5	1.0	2.2	4.0	6.0	8.2	10.0	10.9	10.9	10.0	8.2	6.0	4.0	2.2	1.0	0.5			
-70		0.7	1.4	2.3	3.4	4.4	5.2	5.6	5.6	5.2	4.4	3.4	2.3	1.4	0.7				
-80	0.1	1.1	3.0	5.0	4.8	5.0	3.0	1.1	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

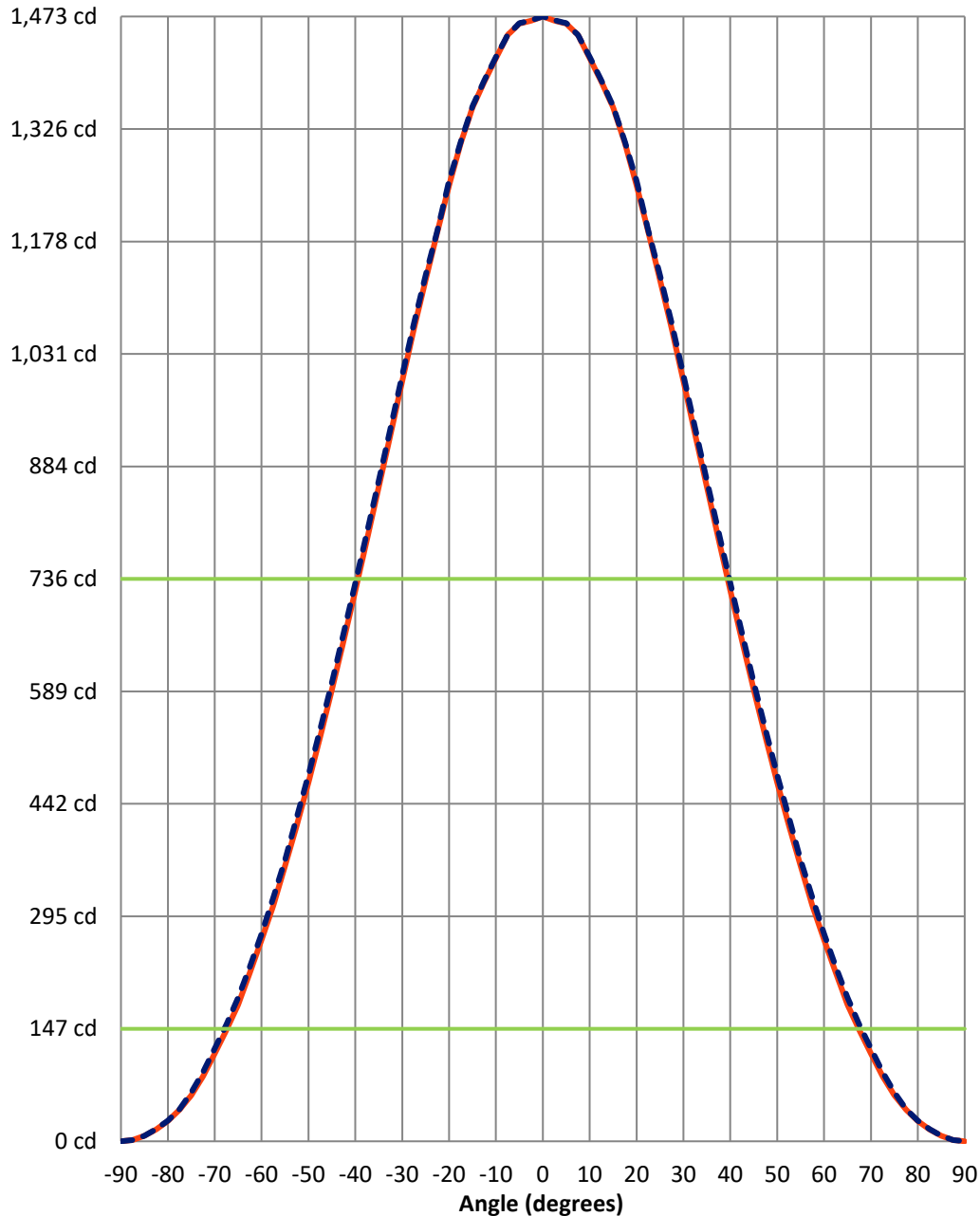
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 1561.3
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 2537.8
 Efficiency: 95.3%

Spill:
 Lumens: 124.2
 Efficiency: 4.7%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
85°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
82.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.5	3.9	5.3
80°	0.0	0.3	0.8	1.1	1.5	1.9	2.6	4.6	6.5	8.4	10.1
77.5°	0.0	0.4	0.9	1.4	1.9	3.0	5.6	8.1	10.5	12.8	15.6
75°	0.0	0.5	1.1	1.7	2.5	5.2	8.6	11.7	14.7	18.7	23.1
72.5°	0.0	0.6	1.3	2.0	4.0	7.3	11.5	15.5	20.1	25.1	30.3
70°	0.0	0.7	1.5	2.4	5.4	9.3	14.3	20.0	25.5	31.3	38.2
67.5°	0.0	0.7	1.7	3.3	6.8	11.3	17.8	24.5	30.7	38.1	46.0
65°	0.0	0.8	1.8	4.1	8.1	13.5	21.0	28.8	36.4	44.7	53.3
62.5°	0.0	0.9	2.0	4.9	9.3	15.9	24.2	33.3	41.9	51.0	59.8
60°	0.0	1.0	2.1	5.7	10.5	18.1	27.1	37.7	47.2	56.9	66.3
57.5°	0.0	1.0	2.6	6.4	12.0	20.3	30.2	41.9	52.4	62.8	72.4
55°	0.0	1.1	3.0	7.1	13.5	22.2	33.1	45.5	57.5	68.4	78.2
52.5°	0.0	1.2	3.4	7.7	14.9	24.1	35.8	49.3	62.5	73.5	83.9
50°	0.0	1.2	3.8	8.3	16.1	26.1	38.3	52.9	67.3	78.5	90.5
47.5°	0.0	1.3	4.2	8.9	17.3	28.0	40.7	56.2	71.6	83.3	96.9
45°	0.0	1.3	4.5	9.6	18.3	29.6	43.3	59.2	74.9	88.8	103.0
42.5°	0.0	1.4	4.8	10.3	19.3	31.1	45.6	62.0	78.1	94.1	110.3
40°	0.0	1.4	5.1	11.0	20.2	32.3	47.8	64.7	81.5	99.0	117.3
37.5°	0.0	1.5	5.4	11.7	21.1	33.4	49.7	67.2	85.2	103.7	123.9
35°	0.0	1.5	5.7	12.4	21.9	34.7	51.4	69.6	88.9	109.0	130.5
32.5°	0.0	1.5	6.0	13.0	22.6	36.0	53.0	71.8	92.4	114.2	137.6
30°	0.0	1.6	6.2	13.5	23.1	37.0	54.7	74.0	95.8	119.1	144.1
27.5°	0.0	1.6	6.4	14.0	23.9	37.9	56.1	76.6	99.3	123.8	150.3
25°	0.0	1.6	6.6	14.5	24.6	38.6	57.4	79.0	103.0	128.5	155.9
22.5°	0.0	1.7	6.7	14.9	25.3	39.3	58.5	81.2	106.4	133.0	161.9
20°	0.0	1.7	6.9	15.2	25.8	40.3	59.5	83.2	109.4	137.1	167.3
17.5°	0.0	1.7	7.0	15.5	26.3	41.1	60.6	84.9	112.1	140.6	172.1
15°	0.0	1.7	7.1	15.7	26.6	41.7	61.8	86.6	114.5	143.6	176.2
12.5°	0.0	1.7	7.2	15.9	26.9	42.2	62.8	88.2	116.7	146.2	179.6
10°	0.0	1.7	7.2	16.0	27.1	42.5	63.5	89.3	118.5	148.5	182.5
7.5°	0.0	1.7	7.2	16.1	27.2	42.6	64.0	90.2	119.9	150.4	185.0
5°	0.0	1.7	7.3	16.1	27.2	42.5	64.2	90.7	120.9	151.8	186.8
2.5°	0.0	1.7	7.2	16.1	27.2	42.3	64.2	90.8	121.4	152.6	187.8
0°	0.0	1.7	7.2	16.0	27.0	42.0	64.0	90.5	121.4	152.9	188.2
-2.5°	0.0	1.7	7.2	16.1	27.2	42.3	64.2	90.8	121.4	152.6	187.8
-5°	0.0	1.7	7.3	16.1	27.2	42.5	64.2	90.7	120.9	151.8	186.8
-7.5°	0.0	1.7	7.2	16.1	27.2	42.6	64.0	90.2	119.9	150.4	185.0
-10°	0.0	1.7	7.2	16.0	27.1	42.5	63.5	89.3	118.5	148.5	182.5
-12.5°	0.0	1.7	7.2	15.9	26.9	42.2	62.8	88.2	116.7	146.2	179.6
-15°	0.0	1.7	7.1	15.7	26.6	41.7	61.8	86.6	114.5	143.6	176.2
-17.5°	0.0	1.7	7.0	15.5	26.3	41.1	60.6	84.9	112.1	140.6	172.1
-20°	0.0	1.7	6.9	15.2	25.8	40.3	59.5	83.2	109.4	137.1	167.3

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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	1.7	6.7	14.9	25.3	39.3	58.5	81.2	106.4	133.0	161.9
-25°	0.0	1.6	6.6	14.5	24.6	38.6	57.4	79.0	103.0	128.5	155.9
-27.5°	0.0	1.6	6.4	14.0	23.9	37.9	56.1	76.6	99.3	123.8	150.3
-30°	0.0	1.6	6.2	13.5	23.1	37.0	54.7	74.0	95.8	119.1	144.1
-32.5°	0.0	1.5	6.0	13.0	22.6	36.0	53.0	71.8	92.4	114.2	137.6
-35°	0.0	1.5	5.7	12.4	21.9	34.7	51.4	69.6	88.9	109.0	130.5
-37.5°	0.0	1.5	5.4	11.7	21.1	33.4	49.7	67.2	85.2	103.7	123.9
-40°	0.0	1.4	5.1	11.0	20.2	32.3	47.8	64.7	81.5	99.0	117.3
-42.5°	0.0	1.4	4.8	10.3	19.3	31.1	45.6	62.0	78.1	94.1	110.3
-45°	0.0	1.3	4.5	9.6	18.3	29.6	43.3	59.2	74.9	88.8	103.0
-47.5°	0.0	1.3	4.2	8.9	17.3	28.0	40.7	56.2	71.6	83.3	96.9
-50°	0.0	1.2	3.8	8.3	16.1	26.1	38.3	52.9	67.3	78.5	90.5
-52.5°	0.0	1.2	3.4	7.7	14.9	24.1	35.8	49.3	62.5	73.5	83.9
-55°	0.0	1.1	3.0	7.1	13.5	22.2	33.1	45.5	57.5	68.4	78.2
-57.5°	0.0	1.0	2.6	6.4	12.0	20.3	30.2	41.9	52.4	62.8	72.4
-60°	0.0	1.0	2.1	5.7	10.5	18.1	27.1	37.7	47.2	56.9	66.3
-62.5°	0.0	0.9	2.0	4.9	9.3	15.9	24.2	33.3	41.9	51.0	59.8
-65°	0.0	0.8	1.8	4.1	8.1	13.5	21.0	28.8	36.4	44.7	53.3
-67.5°	0.0	0.7	1.7	3.3	6.8	11.3	17.8	24.5	30.7	38.1	46.0
-70°	0.0	0.7	1.5	2.4	5.4	9.3	14.3	20.0	25.5	31.3	38.2
-72.5°	0.0	0.6	1.3	2.0	4.0	7.3	11.5	15.5	20.1	25.1	30.3
-75°	0.0	0.5	1.1	1.7	2.5	5.2	8.6	11.7	14.7	18.7	23.1
-77.5°	0.0	0.4	0.9	1.4	1.9	3.0	5.6	8.1	10.5	12.8	15.6
-80°	0.0	0.3	0.8	1.1	1.5	1.9	2.6	4.6	6.5	8.4	10.1
-82.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.5	3.9	5.3
-85°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
-87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
-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°	1.1	1.2	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
85°	2.2	2.5	3.5	4.4	4.8	5.1	5.2	5.2	6.0	7.0	8.1
82.5°	6.7	8.1	9.4	10.7	11.0	11.0	10.9	10.9	12.9	15.2	17.5
80°	12.0	13.7	16.0	18.1	19.0	19.5	19.7	19.6	22.1	25.5	29.0
77.5°	19.0	21.9	24.5	26.7	27.9	28.9	29.7	30.4	33.6	37.9	42.1
75°	27.0	30.2	33.4	36.2	38.2	39.6	41.0	43.2	47.4	52.4	56.7
72.5°	35.4	39.5	43.1	46.2	48.9	51.8	55.1	58.7	63.2	68.1	72.6
70°	44.4	48.9	52.7	56.4	60.1	64.5	69.4	74.3	79.3	84.7	89.9
67.5°	53.2	57.6	62.0	66.7	72.3	78.2	84.0	90.6	97.5	103.5	108.9
65°	60.9	66.0	71.6	77.9	84.8	92.3	100.0	108.0	116.7	123.9	130.5
62.5°	68.2	74.4	81.1	89.0	97.8	106.7	116.5	126.6	136.3	144.8	152.7
60°	74.9	82.4	90.9	100.5	110.9	122.6	133.9	145.3	156.0	165.6	175.6
57.5°	81.5	90.9	101.1	112.7	125.7	139.0	152.2	164.4	176.5	188.3	199.6
55°	88.4	99.7	111.9	126.1	140.8	156.4	170.7	184.4	197.7	212.0	225.6
52.5°	96.0	108.7	123.9	139.8	156.8	173.6	189.2	204.8	220.9	237.1	254.8
50°	103.4	119.2	135.9	154.3	172.7	190.7	208.6	226.6	245.9	265.7	285.8
47.5°	112.0	129.2	149.0	168.8	188.8	208.8	228.8	250.5	272.4	295.4	317.7
45°	120.7	140.1	161.4	183.7	205.4	227.5	250.9	274.9	300.6	325.9	352.6
42.5°	128.9	150.9	174.3	198.4	222.6	247.3	273.0	301.0	329.1	358.4	387.7
40°	138.1	161.2	187.0	213.6	239.8	267.1	296.5	326.9	358.7	390.8	422.7
37.5°	146.9	172.3	199.4	228.0	257.4	287.5	319.4	353.8	388.3	422.9	458.1
35°	155.1	182.8	212.1	242.5	273.7	307.9	343.6	380.4	417.7	455.1	492.9
32.5°	163.6	192.7	224.3	256.8	291.2	327.9	367.0	406.8	446.6	486.6	527.9
30°	172.0	203.0	236.1	270.4	308.0	347.9	390.0	432.1	474.2	518.2	562.3
27.5°	180.1	212.9	247.7	284.4	324.0	366.5	411.2	456.3	501.7	548.4	595.5
25°	187.4	222.2	258.5	297.8	339.9	384.4	430.9	478.0	527.8	577.8	626.9
22.5°	194.6	230.8	268.5	310.2	354.2	401.0	449.4	499.2	551.2	604.9	655.7
20°	201.6	239.0	278.2	321.5	367.1	416.0	466.2	518.4	572.9	628.0	682.7
17.5°	207.7	246.2	287.2	332.0	379.4	429.6	481.4	535.3	592.2	649.3	707.3
15°	213.1	252.5	295.0	341.2	390.2	442.0	495.5	550.9	609.3	668.8	729.1
12.5°	217.6	257.9	301.6	349.0	399.5	452.6	507.6	564.9	624.9	686.1	748.1
10°	221.3	262.2	307.0	355.4	407.0	461.4	517.6	576.5	638.3	700.8	764.1
7.5°	224.4	265.9	311.2	360.3	412.7	468.3	525.3	585.5	648.9	712.3	776.9
5°	226.7	268.8	315.1	364.4	417.8	473.7	531.2	591.9	656.7	720.4	786.2
2.5°	228.0	270.7	317.7	367.1	421.8	477.7	536.4	597.6	662.4	726.9	793.3
0°	228.5	271.6	319.1	368.2	424.0	479.7	539.3	600.6	665.2	730.9	797.7
-2.5°	228.0	270.7	317.7	367.1	421.8	477.7	536.4	597.6	662.4	726.9	793.3
-5°	226.7	268.8	315.1	364.4	417.8	473.7	531.2	591.9	656.7	720.4	786.2
-7.5°	224.4	265.9	311.2	360.3	412.7	468.3	525.3	585.5	648.9	712.3	776.9
-10°	221.3	262.2	307.0	355.4	407.0	461.4	517.6	576.5	638.3	700.8	764.1
-12.5°	217.6	257.9	301.6	349.0	399.5	452.6	507.6	564.9	624.9	686.1	748.1
-15°	213.1	252.5	295.0	341.2	390.2	442.0	495.5	550.9	609.3	668.8	729.1
-17.5°	207.7	246.2	287.2	332.0	379.4	429.6	481.4	535.3	592.2	649.3	707.3
-20°	201.6	239.0	278.2	321.5	367.1	416.0	466.2	518.4	572.9	628.0	682.7

Classified

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

Scaled Data Report



REPORT NUMBER: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	194.6	230.8	268.5	310.2	354.2	401.0	449.4	499.2	551.2	604.9	655.7
-25°	187.4	222.2	258.5	297.8	339.9	384.4	430.9	478.0	527.8	577.8	626.9
-27.5°	180.1	212.9	247.7	284.4	324.0	366.5	411.2	456.3	501.7	548.4	595.5
-30°	172.0	203.0	236.1	270.4	308.0	347.9	390.0	432.1	474.2	518.2	562.3
-32.5°	163.6	192.7	224.3	256.8	291.2	327.9	367.0	406.8	446.6	486.6	527.9
-35°	155.1	182.8	212.1	242.5	273.7	307.9	343.6	380.4	417.7	455.1	492.9
-37.5°	146.9	172.3	199.4	228.0	257.4	287.5	319.4	353.8	388.3	422.9	458.1
-40°	138.1	161.2	187.0	213.6	239.8	267.1	296.5	326.9	358.7	390.8	422.7
-42.5°	128.9	150.9	174.3	198.4	222.6	247.3	273.0	301.0	329.1	358.4	387.7
-45°	120.7	140.1	161.4	183.7	205.4	227.5	250.9	274.9	300.6	325.9	352.6
-47.5°	112.0	129.2	149.0	168.8	188.8	208.8	228.8	250.5	272.4	295.4	317.7
-50°	103.4	119.2	135.9	154.3	172.7	190.7	208.6	226.6	245.9	265.7	285.8
-52.5°	96.0	108.7	123.9	139.8	156.8	173.6	189.2	204.8	220.9	237.1	254.8
-55°	88.4	99.7	111.9	126.1	140.8	156.4	170.7	184.4	197.7	212.0	225.6
-57.5°	81.5	90.9	101.1	112.7	125.7	139.0	152.2	164.4	176.5	188.3	199.6
-60°	74.9	82.4	90.9	100.5	110.9	122.6	133.9	145.3	156.0	165.6	175.6
-62.5°	68.2	74.4	81.1	89.0	97.8	106.7	116.5	126.6	136.3	144.8	152.7
-65°	60.9	66.0	71.6	77.9	84.8	92.3	100.0	108.0	116.7	123.9	130.5
-67.5°	53.2	57.6	62.0	66.7	72.3	78.2	84.0	90.6	97.5	103.5	108.9
-70°	44.4	48.9	52.7	56.4	60.1	64.5	69.4	74.3	79.3	84.7	89.9
-72.5°	35.4	39.5	43.1	46.2	48.9	51.8	55.1	58.7	63.2	68.1	72.6
-75°	27.0	30.2	33.4	36.2	38.2	39.6	41.0	43.2	47.4	52.4	56.7
-77.5°	19.0	21.9	24.5	26.7	27.9	28.9	29.7	30.4	33.6	37.9	42.1
-80°	12.0	13.7	16.0	18.1	19.0	19.5	19.7	19.6	22.1	25.5	29.0
-82.5°	6.7	8.1	9.4	10.7	11.0	11.0	10.9	10.9	12.9	15.2	17.5
-85°	2.2	2.5	3.5	4.4	4.8	5.1	5.2	5.2	6.0	7.0	8.1
-87.5°	1.1	1.2	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7
-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: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.0	1.9
85°	9.2	9.8	10.5	11.1	11.6	12.2	12.7	13.1	13.6	12.4	11.1
82.5°	19.9	21.5	23.0	24.5	26.0	26.4	26.5	26.5	26.3	24.2	21.9
80°	32.5	35.2	37.8	40.3	42.8	43.0	42.8	42.3	41.5	38.8	35.8
77.5°	46.3	49.7	52.6	55.4	57.8	58.3	58.2	58.1	57.9	55.2	51.8
75°	60.4	63.7	66.9	69.6	71.9	72.9	73.4	73.8	74.0	72.0	69.4
72.5°	76.7	80.1	83.0	85.6	87.8	89.5	90.7	91.5	92.2	91.5	90.5
70°	94.4	98.1	101.3	104.2	107.3	109.7	111.6	112.9	113.8	114.3	114.7
67.5°	114.4	119.4	123.7	127.4	131.1	134.5	137.4	139.7	141.5	143.0	144.2
65°	136.9	143.2	148.9	154.1	158.8	163.8	168.0	171.4	174.2	176.5	178.3
62.5°	160.5	168.3	175.6	182.6	189.6	196.4	201.6	206.3	210.5	214.2	217.1
60°	185.1	193.9	203.7	213.0	221.6	229.4	237.2	243.9	249.6	254.4	258.3
57.5°	211.5	223.0	234.3	245.9	256.8	267.0	276.6	285.0	292.2	298.0	303.0
55°	240.0	254.4	267.6	282.2	296.3	309.1	320.4	330.3	338.9	346.1	352.2
52.5°	271.3	288.8	306.0	322.6	338.6	353.5	367.0	378.5	388.8	397.6	404.7
50°	305.7	325.7	345.6	364.1	382.4	399.6	415.1	428.5	440.4	450.8	459.0
47.5°	341.6	364.4	386.6	407.7	428.0	447.1	463.9	479.2	494.1	506.2	515.9
45°	378.9	404.4	428.9	453.1	475.5	496.8	517.5	536.5	551.9	565.3	576.5
42.5°	416.6	445.1	472.6	498.9	523.5	548.2	571.5	592.3	609.8	625.0	637.8
40°	454.8	486.0	516.3	545.0	573.1	600.1	625.2	647.2	666.9	685.0	700.0
37.5°	492.9	527.2	560.7	592.8	623.8	653.0	680.2	705.0	727.2	747.8	764.6
35°	531.0	568.7	605.4	640.8	674.6	706.8	736.6	764.8	791.0	811.9	829.0
32.5°	569.1	609.6	649.5	688.4	725.5	760.2	792.5	823.7	850.6	873.6	893.3
30°	605.9	649.7	693.2	735.5	775.5	813.1	848.9	881.9	910.8	935.9	958.0
27.5°	642.0	689.1	735.8	780.9	824.2	865.1	904.1	939.8	971.4	998.7	1022.0
25°	676.1	726.8	776.5	824.4	870.6	915.7	957.8	996.8	1030.6	1060.5	1084.5
22.5°	708.8	762.8	815.0	865.4	914.9	963.4	1009.5	1050.2	1086.0	1117.4	1143.9
20°	739.2	797.0	850.5	903.8	955.9	1007.7	1057.2	1100.2	1138.1	1171.4	1200.5
17.5°	767.6	827.0	883.2	939.9	994.8	1049.3	1099.5	1145.6	1186.5	1221.8	1252.5
15°	791.6	851.6	913.1	973.6	1031.5	1086.6	1136.8	1184.9	1230.3	1268.6	1299.6
12.5°	811.1	873.5	937.6	1001.8	1063.1	1118.1	1170.7	1219.5	1267.2	1310.1	1338.6
10°	827.7	891.9	958.1	1023.6	1085.7	1144.0	1201.1	1252.8	1299.6	1338.0	1369.9
7.5°	842.0	908.2	975.4	1041.1	1102.9	1163.1	1222.0	1276.8	1324.0	1360.3	1388.7
5°	852.6	920.3	988.8	1055.1	1117.8	1178.2	1237.4	1291.5	1337.6	1374.5	1405.5
2.5°	860.2	928.6	997.5	1063.9	1128.0	1188.5	1249.2	1303.9	1348.6	1382.3	1412.0
0°	865.0	933.5	1003.0	1070.9	1133.9	1192.4	1257.5	1308.9	1355.2	1388.9	1419.8
-2.5°	860.2	928.6	997.5	1063.9	1128.0	1188.5	1249.2	1303.9	1348.6	1382.3	1412.0
-5°	852.6	920.3	988.8	1055.1	1117.8	1178.2	1237.4	1291.5	1337.6	1374.5	1405.5
-7.5°	842.0	908.2	975.4	1041.1	1102.9	1163.1	1222.0	1276.8	1324.0	1360.3	1388.7
-10°	827.7	891.9	958.1	1023.6	1085.7	1144.0	1201.1	1252.8	1299.6	1338.0	1369.9
-12.5°	811.1	873.5	937.6	1001.8	1063.1	1118.1	1170.7	1219.5	1267.2	1310.1	1338.6
-15°	791.6	851.6	913.1	973.6	1031.5	1086.6	1136.8	1184.9	1230.3	1268.6	1299.6
-17.5°	767.6	827.0	883.2	939.9	994.8	1049.3	1099.5	1145.6	1186.5	1221.8	1252.5
-20°	739.2	797.0	850.5	903.8	955.9	1007.7	1057.2	1100.2	1138.1	1171.4	1200.5



REPORT NUMBER: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	708.8	762.8	815.0	865.4	914.9	963.4	1009.5	1050.2	1086.0	1117.4	1143.9
-25°	676.1	726.8	776.5	824.4	870.6	915.7	957.8	996.8	1030.6	1060.5	1084.5
-27.5°	642.0	689.1	735.8	780.9	824.2	865.1	904.1	939.8	971.4	998.7	1022.0
-30°	605.9	649.7	693.2	735.5	775.5	813.1	848.9	881.9	910.8	935.9	958.0
-32.5°	569.1	609.6	649.5	688.4	725.5	760.2	792.5	823.7	850.6	873.6	893.3
-35°	531.0	568.7	605.4	640.8	674.6	706.8	736.6	764.8	791.0	811.9	829.0
-37.5°	492.9	527.2	560.7	592.8	623.8	653.0	680.2	705.0	727.2	747.8	764.6
-40°	454.8	486.0	516.3	545.0	573.1	600.1	625.2	647.2	666.9	685.0	700.0
-42.5°	416.6	445.1	472.6	498.9	523.5	548.2	571.5	592.3	609.8	625.0	637.8
-45°	378.9	404.4	428.9	453.1	475.5	496.8	517.5	536.5	551.9	565.3	576.5
-47.5°	341.6	364.4	386.6	407.7	428.0	447.1	463.9	479.2	494.1	506.2	515.9
-50°	305.7	325.7	345.6	364.1	382.4	399.6	415.1	428.5	440.4	450.8	459.0
-52.5°	271.3	288.8	306.0	322.6	338.6	353.5	367.0	378.5	388.8	397.6	404.7
-55°	240.0	254.4	267.6	282.2	296.3	309.1	320.4	330.3	338.9	346.1	352.2
-57.5°	211.5	223.0	234.3	245.9	256.8	267.0	276.6	285.0	292.2	298.0	303.0
-60°	185.1	193.9	203.7	213.0	221.6	229.4	237.2	243.9	249.6	254.4	258.3
-62.5°	160.5	168.3	175.6	182.6	189.6	196.4	201.6	206.3	210.5	214.2	217.1
-65°	136.9	143.2	148.9	154.1	158.8	163.8	168.0	171.4	174.2	176.5	178.3
-67.5°	114.4	119.4	123.7	127.4	131.1	134.5	137.4	139.7	141.5	143.0	144.2
-70°	94.4	98.1	101.3	104.2	107.3	109.7	111.6	112.9	113.8	114.3	114.7
-72.5°	76.7	80.1	83.0	85.6	87.8	89.5	90.7	91.5	92.2	91.5	90.5
-75°	60.4	63.7	66.9	69.6	71.9	72.9	73.4	73.8	74.0	72.0	69.4
-77.5°	46.3	49.7	52.6	55.4	57.8	58.3	58.2	58.1	57.9	55.2	51.8
-80°	32.5	35.2	37.8	40.3	42.8	43.0	42.8	42.3	41.5	38.8	35.8
-82.5°	19.9	21.5	23.0	24.5	26.0	26.4	26.5	26.5	26.3	24.2	21.9
-85°	9.2	9.8	10.5	11.1	11.6	12.2	12.7	13.1	13.6	12.4	11.1
-87.5°	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.0	1.9
-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: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-730-U-VWR-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°	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.9	2.0	2.1	2.1
85°	9.7	8.3	7.7	7.2	7.7	8.3	9.7	11.1	12.4	13.6	13.1
82.5°	19.5	17.0	16.3	15.5	16.3	17.0	19.5	21.9	24.2	26.3	26.5
80°	32.6	29.2	27.9	26.5	27.9	29.2	32.6	35.8	38.8	41.5	42.3
77.5°	48.3	44.6	43.0	41.4	43.0	44.6	48.3	51.8	55.2	57.9	58.1
75°	66.7	63.8	62.1	60.2	62.1	63.8	66.7	69.4	72.0	74.0	73.8
72.5°	89.3	87.8	86.6	85.0	86.6	87.8	89.3	90.5	91.5	92.2	91.5
70°	114.9	114.7	114.9	114.8	114.9	114.7	114.9	114.7	114.3	113.8	112.9
67.5°	144.8	144.8	145.4	145.7	145.4	144.8	144.8	144.2	143.0	141.5	139.7
65°	179.5	179.9	179.8	178.9	179.8	179.9	179.5	178.3	176.5	174.2	171.4
62.5°	219.1	220.3	221.0	220.8	221.0	220.3	219.1	217.1	214.2	210.5	206.3
60°	261.2	263.0	264.0	263.9	264.0	263.0	261.2	258.3	254.4	249.6	243.9
57.5°	306.6	309.0	309.6	308.6	309.6	309.0	306.6	303.0	298.0	292.2	285.0
55°	356.8	359.9	361.1	360.5	361.1	359.9	356.8	352.2	346.1	338.9	330.3
52.5°	409.8	413.1	414.3	413.5	414.3	413.1	409.8	404.7	397.6	388.8	378.5
50°	464.9	468.9	470.5	469.8	470.5	468.9	464.9	459.0	450.8	440.4	428.5
47.5°	523.4	528.8	530.8	529.4	530.8	528.8	523.4	515.9	506.2	494.1	479.2
45°	584.9	590.5	592.6	591.2	592.6	590.5	584.9	576.5	565.3	551.9	536.5
42.5°	647.6	654.8	657.8	655.3	657.8	654.8	647.6	637.8	625.0	609.8	592.3
40°	711.3	719.1	722.7	721.0	722.7	719.1	711.3	700.0	685.0	666.9	647.2
37.5°	776.6	784.4	788.2	788.3	788.2	784.4	776.6	764.6	747.8	727.2	705.0
35°	842.3	851.7	857.0	856.8	857.0	851.7	842.3	829.0	811.9	791.0	764.8
32.5°	908.8	919.0	924.5	925.2	924.5	919.0	908.8	893.3	873.6	850.6	823.7
30°	975.3	986.4	992.7	995.3	992.7	986.4	975.3	958.0	935.9	910.8	881.9
27.5°	1039.7	1053.5	1063.0	1063.8	1063.0	1053.5	1039.7	1022.0	998.7	971.4	939.8
25°	1102.0	1116.0	1125.8	1127.8	1125.8	1116.0	1102.0	1084.5	1060.5	1030.6	996.8
22.5°	1163.5	1178.2	1187.2	1190.7	1187.2	1178.2	1163.5	1143.9	1117.4	1086.0	1050.2
20°	1222.2	1238.1	1247.7	1251.5	1247.7	1238.1	1222.2	1200.5	1171.4	1138.1	1100.2
17.5°	1275.3	1292.1	1303.9	1307.2	1303.9	1292.1	1275.3	1252.5	1221.8	1186.5	1145.6
15°	1322.1	1338.0	1349.2	1353.6	1349.2	1338.0	1322.1	1299.6	1268.6	1230.3	1184.9
12.5°	1360.0	1374.3	1383.1	1387.3	1383.1	1374.3	1360.0	1338.6	1310.1	1267.2	1219.5
10°	1389.8	1404.1	1412.5	1418.2	1412.5	1404.1	1389.8	1369.9	1338.0	1299.6	1252.8
7.5°	1415.6	1430.2	1440.5	1448.5	1440.5	1430.2	1415.6	1388.7	1360.3	1324.0	1276.8
5°	1429.8	1454.2	1457.9	1463.4	1457.9	1454.2	1429.8	1405.5	1374.5	1337.6	1291.5
2.5°	1440.7	1458.0	1468.5	1467.3	1468.5	1458.0	1440.7	1412.0	1382.3	1348.6	1303.9
0°	1448.5	1464.0	1467.9	1472.8	1467.9	1464.0	1448.5	1419.8	1388.9	1355.2	1308.9
-2.5°	1440.7	1458.0	1468.5	1467.3	1468.5	1458.0	1440.7	1412.0	1382.3	1348.6	1303.9
-5°	1429.8	1454.2	1457.9	1463.4	1457.9	1454.2	1429.8	1405.5	1374.5	1337.6	1291.5
-7.5°	1415.6	1430.2	1440.5	1448.5	1440.5	1430.2	1415.6	1388.7	1360.3	1324.0	1276.8
-10°	1389.8	1404.1	1412.5	1418.2	1412.5	1404.1	1389.8	1369.9	1338.0	1299.6	1252.8
-12.5°	1360.0	1374.3	1383.1	1387.3	1383.1	1374.3	1360.0	1338.6	1310.1	1267.2	1219.5
-15°	1322.1	1338.0	1349.2	1353.6	1349.2	1338.0	1322.1	1299.6	1268.6	1230.3	1184.9
-17.5°	1275.3	1292.1	1303.9	1307.2	1303.9	1292.1	1275.3	1252.5	1221.8	1186.5	1145.6
-20°	1222.2	1238.1	1247.7	1251.5	1247.7	1238.1	1222.2	1200.5	1171.4	1138.1	1100.2



REPORT NUMBER: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1163.5	1178.2	1187.2	1190.7	1187.2	1178.2	1163.5	1143.9	1117.4	1086.0	1050.2
-25°	1102.0	1116.0	1125.8	1127.8	1125.8	1116.0	1102.0	1084.5	1060.5	1030.6	996.8
-27.5°	1039.7	1053.5	1063.0	1063.8	1063.0	1053.5	1039.7	1022.0	998.7	971.4	939.8
-30°	975.3	986.4	992.7	995.3	992.7	986.4	975.3	958.0	935.9	910.8	881.9
-32.5°	908.8	919.0	924.5	925.2	924.5	919.0	908.8	893.3	873.6	850.6	823.7
-35°	842.3	851.7	857.0	856.8	857.0	851.7	842.3	829.0	811.9	791.0	764.8
-37.5°	776.6	784.4	788.2	788.3	788.2	784.4	776.6	764.6	747.8	727.2	705.0
-40°	711.3	719.1	722.7	721.0	722.7	719.1	711.3	700.0	685.0	666.9	647.2
-42.5°	647.6	654.8	657.8	655.3	657.8	654.8	647.6	637.8	625.0	609.8	592.3
-45°	584.9	590.5	592.6	591.2	592.6	590.5	584.9	576.5	565.3	551.9	536.5
-47.5°	523.4	528.8	530.8	529.4	530.8	528.8	523.4	515.9	506.2	494.1	479.2
-50°	464.9	468.9	470.5	469.8	470.5	468.9	464.9	459.0	450.8	440.4	428.5
-52.5°	409.8	413.1	414.3	413.5	414.3	413.1	409.8	404.7	397.6	388.8	378.5
-55°	356.8	359.9	361.1	360.5	361.1	359.9	356.8	352.2	346.1	338.9	330.3
-57.5°	306.6	309.0	309.6	308.6	309.6	309.0	306.6	303.0	298.0	292.2	285.0
-60°	261.2	263.0	264.0	263.9	264.0	263.0	261.2	258.3	254.4	249.6	243.9
-62.5°	219.1	220.3	221.0	220.8	221.0	220.3	219.1	217.1	214.2	210.5	206.3
-65°	179.5	179.9	179.8	178.9	179.8	179.9	179.5	178.3	176.5	174.2	171.4
-67.5°	144.8	144.8	145.4	145.7	145.4	144.8	144.8	144.2	143.0	141.5	139.7
-70°	114.9	114.7	114.9	114.8	114.9	114.7	114.9	114.7	114.3	113.8	112.9
-72.5°	89.3	87.8	86.6	85.0	86.6	87.8	89.3	90.5	91.5	92.2	91.5
-75°	66.7	63.8	62.1	60.2	62.1	63.8	66.7	69.4	72.0	74.0	73.8
-77.5°	48.3	44.6	43.0	41.4	43.0	44.6	48.3	51.8	55.2	57.9	58.1
-80°	32.6	29.2	27.9	26.5	27.9	29.2	32.6	35.8	38.8	41.5	42.3
-82.5°	19.5	17.0	16.3	15.5	16.3	17.0	19.5	21.9	24.2	26.3	26.5
-85°	9.7	8.3	7.7	7.2	7.7	8.3	9.7	11.1	12.4	13.6	13.1
-87.5°	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.9	2.0	2.1	2.1
-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: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-730-U-VWR-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°	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
85°	12.7	12.2	11.6	11.1	10.5	9.8	9.2	8.1	7.0	6.0	5.2
82.5°	26.5	26.4	26.0	24.5	23.0	21.5	19.9	17.5	15.2	12.9	10.9
80°	42.8	43.0	42.8	40.3	37.8	35.2	32.5	29.0	25.5	22.1	19.6
77.5°	58.2	58.3	57.8	55.4	52.6	49.7	46.3	42.1	37.9	33.6	30.4
75°	73.4	72.9	71.9	69.6	66.9	63.7	60.4	56.7	52.4	47.4	43.2
72.5°	90.7	89.5	87.8	85.6	83.0	80.1	76.7	72.6	68.1	63.2	58.7
70°	111.6	109.7	107.3	104.2	101.3	98.1	94.4	89.9	84.7	79.3	74.3
67.5°	137.4	134.5	131.1	127.4	123.7	119.4	114.4	108.9	103.5	97.5	90.6
65°	168.0	163.8	158.8	154.1	148.9	143.2	136.9	130.5	123.9	116.7	108.0
62.5°	201.6	196.4	189.6	182.6	175.6	168.3	160.5	152.7	144.8	136.3	126.6
60°	237.2	229.4	221.6	213.0	203.7	193.9	185.1	175.6	165.6	156.0	145.3
57.5°	276.6	267.0	256.8	245.9	234.3	223.0	211.5	199.6	188.3	176.5	164.4
55°	320.4	309.1	296.3	282.2	267.6	254.4	240.0	225.6	212.0	197.7	184.4
52.5°	367.0	353.5	338.6	322.6	306.0	288.8	271.3	254.8	237.1	220.9	204.8
50°	415.1	399.6	382.4	364.1	345.6	325.7	305.7	285.8	265.7	245.9	226.6
47.5°	463.9	447.1	428.0	407.7	386.6	364.4	341.6	317.7	295.4	272.4	250.5
45°	517.5	496.8	475.5	453.1	428.9	404.4	378.9	352.6	325.9	300.6	274.9
42.5°	571.5	548.2	523.5	498.9	472.6	445.1	416.6	387.7	358.4	329.1	301.0
40°	625.2	600.1	573.1	545.0	516.3	486.0	454.8	422.7	390.8	358.7	326.9
37.5°	680.2	653.0	623.8	592.8	560.7	527.2	492.9	458.1	422.9	388.3	353.8
35°	736.6	706.8	674.6	640.8	605.4	568.7	531.0	492.9	455.1	417.7	380.4
32.5°	792.5	760.2	725.5	688.4	649.5	609.6	569.1	527.9	486.6	446.6	406.8
30°	848.9	813.1	775.5	735.5	693.2	649.7	605.9	562.3	518.2	474.2	432.1
27.5°	904.1	865.1	824.2	780.9	735.8	689.1	642.0	595.5	548.4	501.7	456.3
25°	957.8	915.7	870.6	824.4	776.5	726.8	676.1	626.9	577.8	527.8	478.0
22.5°	1009.5	963.4	914.9	865.4	815.0	762.8	708.8	655.7	604.9	551.2	499.2
20°	1057.2	1007.7	955.9	903.8	850.5	797.0	739.2	682.7	628.0	572.9	518.4
17.5°	1099.5	1049.3	994.8	939.9	883.2	827.0	767.6	707.3	649.3	592.2	535.3
15°	1136.8	1086.6	1031.5	973.6	913.1	851.6	791.6	729.1	668.8	609.3	550.9
12.5°	1170.7	1118.1	1063.1	1001.8	937.6	873.5	811.1	748.1	686.1	624.9	564.9
10°	1201.1	1144.0	1085.7	1023.6	958.1	891.9	827.7	764.1	700.8	638.3	576.5
7.5°	1222.0	1163.1	1102.9	1041.1	975.4	908.2	842.0	776.9	712.3	648.9	585.5
5°	1237.4	1178.2	1117.8	1055.1	988.8	920.3	852.6	786.2	720.4	656.7	591.9
2.5°	1249.2	1188.5	1128.0	1063.9	997.5	928.6	860.2	793.3	726.9	662.4	597.6
0°	1257.5	1192.4	1133.9	1070.9	1003.0	933.5	865.0	797.7	730.9	665.2	600.6
-2.5°	1249.2	1188.5	1128.0	1063.9	997.5	928.6	860.2	793.3	726.9	662.4	597.6
-5°	1237.4	1178.2	1117.8	1055.1	988.8	920.3	852.6	786.2	720.4	656.7	591.9
-7.5°	1222.0	1163.1	1102.9	1041.1	975.4	908.2	842.0	776.9	712.3	648.9	585.5
-10°	1201.1	1144.0	1085.7	1023.6	958.1	891.9	827.7	764.1	700.8	638.3	576.5
-12.5°	1170.7	1118.1	1063.1	1001.8	937.6	873.5	811.1	748.1	686.1	624.9	564.9
-15°	1136.8	1086.6	1031.5	973.6	913.1	851.6	791.6	729.1	668.8	609.3	550.9
-17.5°	1099.5	1049.3	994.8	939.9	883.2	827.0	767.6	707.3	649.3	592.2	535.3
-20°	1057.2	1007.7	955.9	903.8	850.5	797.0	739.2	682.7	628.0	572.9	518.4



REPORT NUMBER: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1009.5	963.4	914.9	865.4	815.0	762.8	708.8	655.7	604.9	551.2	499.2
-25°	957.8	915.7	870.6	824.4	776.5	726.8	676.1	626.9	577.8	527.8	478.0
-27.5°	904.1	865.1	824.2	780.9	735.8	689.1	642.0	595.5	548.4	501.7	456.3
-30°	848.9	813.1	775.5	735.5	693.2	649.7	605.9	562.3	518.2	474.2	432.1
-32.5°	792.5	760.2	725.5	688.4	649.5	609.6	569.1	527.9	486.6	446.6	406.8
-35°	736.6	706.8	674.6	640.8	605.4	568.7	531.0	492.9	455.1	417.7	380.4
-37.5°	680.2	653.0	623.8	592.8	560.7	527.2	492.9	458.1	422.9	388.3	353.8
-40°	625.2	600.1	573.1	545.0	516.3	486.0	454.8	422.7	390.8	358.7	326.9
-42.5°	571.5	548.2	523.5	498.9	472.6	445.1	416.6	387.7	358.4	329.1	301.0
-45°	517.5	496.8	475.5	453.1	428.9	404.4	378.9	352.6	325.9	300.6	274.9
-47.5°	463.9	447.1	428.0	407.7	386.6	364.4	341.6	317.7	295.4	272.4	250.5
-50°	415.1	399.6	382.4	364.1	345.6	325.7	305.7	285.8	265.7	245.9	226.6
-52.5°	367.0	353.5	338.6	322.6	306.0	288.8	271.3	254.8	237.1	220.9	204.8
-55°	320.4	309.1	296.3	282.2	267.6	254.4	240.0	225.6	212.0	197.7	184.4
-57.5°	276.6	267.0	256.8	245.9	234.3	223.0	211.5	199.6	188.3	176.5	164.4
-60°	237.2	229.4	221.6	213.0	203.7	193.9	185.1	175.6	165.6	156.0	145.3
-62.5°	201.6	196.4	189.6	182.6	175.6	168.3	160.5	152.7	144.8	136.3	126.6
-65°	168.0	163.8	158.8	154.1	148.9	143.2	136.9	130.5	123.9	116.7	108.0
-67.5°	137.4	134.5	131.1	127.4	123.7	119.4	114.4	108.9	103.5	97.5	90.6
-70°	111.6	109.7	107.3	104.2	101.3	98.1	94.4	89.9	84.7	79.3	74.3
-72.5°	90.7	89.5	87.8	85.6	83.0	80.1	76.7	72.6	68.1	63.2	58.7
-75°	73.4	72.9	71.9	69.6	66.9	63.7	60.4	56.7	52.4	47.4	43.2
-77.5°	58.2	58.3	57.8	55.4	52.6	49.7	46.3	42.1	37.9	33.6	30.4
-80°	42.8	43.0	42.8	40.3	37.8	35.2	32.5	29.0	25.5	22.1	19.6
-82.5°	26.5	26.4	26.0	24.5	23.0	21.5	19.9	17.5	15.2	12.9	10.9
-85°	12.7	12.2	11.6	11.1	10.5	9.8	9.2	8.1	7.0	6.0	5.2
-87.5°	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
-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: P626551 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.4	1.2	1.1	0.9	0.8	0.8	0.7
85°	5.2	5.1	4.8	4.4	3.5	2.5	2.2	1.9	1.7	1.5	1.3
82.5°	10.9	11.0	11.0	10.7	9.4	8.1	6.7	5.3	3.9	2.5	2.0
80°	19.7	19.5	19.0	18.1	16.0	13.7	12.0	10.1	8.4	6.5	4.6
77.5°	29.7	28.9	27.9	26.7	24.5	21.9	19.0	15.6	12.8	10.5	8.1
75°	41.0	39.6	38.2	36.2	33.4	30.2	27.0	23.1	18.7	14.7	11.7
72.5°	55.1	51.8	48.9	46.2	43.1	39.5	35.4	30.3	25.1	20.1	15.5
70°	69.4	64.5	60.1	56.4	52.7	48.9	44.4	38.2	31.3	25.5	20.0
67.5°	84.0	78.2	72.3	66.7	62.0	57.6	53.2	46.0	38.1	30.7	24.5
65°	100.0	92.3	84.8	77.9	71.6	66.0	60.9	53.3	44.7	36.4	28.8
62.5°	116.5	106.7	97.8	89.0	81.1	74.4	68.2	59.8	51.0	41.9	33.3
60°	133.9	122.6	110.9	100.5	90.9	82.4	74.9	66.3	56.9	47.2	37.7
57.5°	152.2	139.0	125.7	112.7	101.1	90.9	81.5	72.4	62.8	52.4	41.9
55°	170.7	156.4	140.8	126.1	111.9	99.7	88.4	78.2	68.4	57.5	45.5
52.5°	189.2	173.6	156.8	139.8	123.9	108.7	96.0	83.9	73.5	62.5	49.3
50°	208.6	190.7	172.7	154.3	135.9	119.2	103.4	90.5	78.5	67.3	52.9
47.5°	228.8	208.8	188.8	168.8	149.0	129.2	112.0	96.9	83.3	71.6	56.2
45°	250.9	227.5	205.4	183.7	161.4	140.1	120.7	103.0	88.8	74.9	59.2
42.5°	273.0	247.3	222.6	198.4	174.3	150.9	128.9	110.3	94.1	78.1	62.0
40°	296.5	267.1	239.8	213.6	187.0	161.2	138.1	117.3	99.0	81.5	64.7
37.5°	319.4	287.5	257.4	228.0	199.4	172.3	146.9	123.9	103.7	85.2	67.2
35°	343.6	307.9	273.7	242.5	212.1	182.8	155.1	130.5	109.0	88.9	69.6
32.5°	367.0	327.9	291.2	256.8	224.3	192.7	163.6	137.6	114.2	92.4	71.8
30°	390.0	347.9	308.0	270.4	236.1	203.0	172.0	144.1	119.1	95.8	74.0
27.5°	411.2	366.5	324.0	284.4	247.7	212.9	180.1	150.3	123.8	99.3	76.6
25°	430.9	384.4	339.9	297.8	258.5	222.2	187.4	155.9	128.5	103.0	79.0
22.5°	449.4	401.0	354.2	310.2	268.5	230.8	194.6	161.9	133.0	106.4	81.2
20°	466.2	416.0	367.1	321.5	278.2	239.0	201.6	167.3	137.1	109.4	83.2
17.5°	481.4	429.6	379.4	332.0	287.2	246.2	207.7	172.1	140.6	112.1	84.9
15°	495.5	442.0	390.2	341.2	295.0	252.5	213.1	176.2	143.6	114.5	86.6
12.5°	507.6	452.6	399.5	349.0	301.6	257.9	217.6	179.6	146.2	116.7	88.2
10°	517.6	461.4	407.0	355.4	307.0	262.2	221.3	182.5	148.5	118.5	89.3
7.5°	525.3	468.3	412.7	360.3	311.2	265.9	224.4	185.0	150.4	119.9	90.2
5°	531.2	473.7	417.8	364.4	315.1	268.8	226.7	186.8	151.8	120.9	90.7
2.5°	536.4	477.7	421.8	367.1	317.7	270.7	228.0	187.8	152.6	121.4	90.8
0°	539.3	479.7	424.0	368.2	319.1	271.6	228.5	188.2	152.9	121.4	90.5
-2.5°	536.4	477.7	421.8	367.1	317.7	270.7	228.0	187.8	152.6	121.4	90.8
-5°	531.2	473.7	417.8	364.4	315.1	268.8	226.7	186.8	151.8	120.9	90.7
-7.5°	525.3	468.3	412.7	360.3	311.2	265.9	224.4	185.0	150.4	119.9	90.2
-10°	517.6	461.4	407.0	355.4	307.0	262.2	221.3	182.5	148.5	118.5	89.3
-12.5°	507.6	452.6	399.5	349.0	301.6	257.9	217.6	179.6	146.2	116.7	88.2
-15°	495.5	442.0	390.2	341.2	295.0	252.5	213.1	176.2	143.6	114.5	86.6
-17.5°	481.4	429.6	379.4	332.0	287.2	246.2	207.7	172.1	140.6	112.1	84.9
-20°	466.2	416.0	367.1	321.5	278.2	239.0	201.6	167.3	137.1	109.4	83.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	449.4	401.0	354.2	310.2	268.5	230.8	194.6	161.9	133.0	106.4	81.2
-25°	430.9	384.4	339.9	297.8	258.5	222.2	187.4	155.9	128.5	103.0	79.0
-27.5°	411.2	366.5	324.0	284.4	247.7	212.9	180.1	150.3	123.8	99.3	76.6
-30°	390.0	347.9	308.0	270.4	236.1	203.0	172.0	144.1	119.1	95.8	74.0
-32.5°	367.0	327.9	291.2	256.8	224.3	192.7	163.6	137.6	114.2	92.4	71.8
-35°	343.6	307.9	273.7	242.5	212.1	182.8	155.1	130.5	109.0	88.9	69.6
-37.5°	319.4	287.5	257.4	228.0	199.4	172.3	146.9	123.9	103.7	85.2	67.2
-40°	296.5	267.1	239.8	213.6	187.0	161.2	138.1	117.3	99.0	81.5	64.7
-42.5°	273.0	247.3	222.6	198.4	174.3	150.9	128.9	110.3	94.1	78.1	62.0
-45°	250.9	227.5	205.4	183.7	161.4	140.1	120.7	103.0	88.8	74.9	59.2
-47.5°	228.8	208.8	188.8	168.8	149.0	129.2	112.0	96.9	83.3	71.6	56.2
-50°	208.6	190.7	172.7	154.3	135.9	119.2	103.4	90.5	78.5	67.3	52.9
-52.5°	189.2	173.6	156.8	139.8	123.9	108.7	96.0	83.9	73.5	62.5	49.3
-55°	170.7	156.4	140.8	126.1	111.9	99.7	88.4	78.2	68.4	57.5	45.5
-57.5°	152.2	139.0	125.7	112.7	101.1	90.9	81.5	72.4	62.8	52.4	41.9
-60°	133.9	122.6	110.9	100.5	90.9	82.4	74.9	66.3	56.9	47.2	37.7
-62.5°	116.5	106.7	97.8	89.0	81.1	74.4	68.2	59.8	51.0	41.9	33.3
-65°	100.0	92.3	84.8	77.9	71.6	66.0	60.9	53.3	44.7	36.4	28.8
-67.5°	84.0	78.2	72.3	66.7	62.0	57.6	53.2	46.0	38.1	30.7	24.5
-70°	69.4	64.5	60.1	56.4	52.7	48.9	44.4	38.2	31.3	25.5	20.0
-72.5°	55.1	51.8	48.9	46.2	43.1	39.5	35.4	30.3	25.1	20.1	15.5
-75°	41.0	39.6	38.2	36.2	33.4	30.2	27.0	23.1	18.7	14.7	11.7
-77.5°	29.7	28.9	27.9	26.7	24.5	21.9	19.0	15.6	12.8	10.5	8.1
-80°	19.7	19.5	19.0	18.1	16.0	13.7	12.0	10.1	8.4	6.5	4.6
-82.5°	10.9	11.0	11.0	10.7	9.4	8.1	6.7	5.3	3.9	2.5	2.0
-85°	5.2	5.1	4.8	4.4	3.5	2.5	2.2	1.9	1.7	1.5	1.3
-87.5°	1.6	1.6	1.6	1.6	1.4	1.2	1.1	0.9	0.8	0.8	0.7
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.1	1.0	0.8	0.6	0.4	0.2	0.0
82.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
80°	2.6	1.9	1.5	1.1	0.8	0.3	0.0
77.5°	5.6	3.0	1.9	1.4	0.9	0.4	0.0
75°	8.6	5.2	2.5	1.7	1.1	0.5	0.0
72.5°	11.5	7.3	4.0	2.0	1.3	0.6	0.0
70°	14.3	9.3	5.4	2.4	1.5	0.7	0.0
67.5°	17.8	11.3	6.8	3.3	1.7	0.7	0.0
65°	21.0	13.5	8.1	4.1	1.8	0.8	0.0
62.5°	24.2	15.9	9.3	4.9	2.0	0.9	0.0
60°	27.1	18.1	10.5	5.7	2.1	1.0	0.0
57.5°	30.2	20.3	12.0	6.4	2.6	1.0	0.0
55°	33.1	22.2	13.5	7.1	3.0	1.1	0.0
52.5°	35.8	24.1	14.9	7.7	3.4	1.2	0.0
50°	38.3	26.1	16.1	8.3	3.8	1.2	0.0
47.5°	40.7	28.0	17.3	8.9	4.2	1.3	0.0
45°	43.3	29.6	18.3	9.6	4.5	1.3	0.0
42.5°	45.6	31.1	19.3	10.3	4.8	1.4	0.0
40°	47.8	32.3	20.2	11.0	5.1	1.4	0.0
37.5°	49.7	33.4	21.1	11.7	5.4	1.5	0.0
35°	51.4	34.7	21.9	12.4	5.7	1.5	0.0
32.5°	53.0	36.0	22.6	13.0	6.0	1.5	0.0
30°	54.7	37.0	23.1	13.5	6.2	1.6	0.0
27.5°	56.1	37.9	23.9	14.0	6.4	1.6	0.0
25°	57.4	38.6	24.6	14.5	6.6	1.6	0.0
22.5°	58.5	39.3	25.3	14.9	6.7	1.7	0.0
20°	59.5	40.3	25.8	15.2	6.9	1.7	0.0
17.5°	60.6	41.1	26.3	15.5	7.0	1.7	0.0
15°	61.8	41.7	26.6	15.7	7.1	1.7	0.0
12.5°	62.8	42.2	26.9	15.9	7.2	1.7	0.0
10°	63.5	42.5	27.1	16.0	7.2	1.7	0.0
7.5°	64.0	42.6	27.2	16.1	7.2	1.7	0.0
5°	64.2	42.5	27.2	16.1	7.3	1.7	0.0
2.5°	64.2	42.3	27.2	16.1	7.2	1.7	0.0
0°	64.0	42.0	27.0	16.0	7.2	1.7	0.0
-2.5°	64.2	42.3	27.2	16.1	7.2	1.7	0.0
-5°	64.2	42.5	27.2	16.1	7.3	1.7	0.0
-7.5°	64.0	42.6	27.2	16.1	7.2	1.7	0.0
-10°	63.5	42.5	27.1	16.0	7.2	1.7	0.0
-12.5°	62.8	42.2	26.9	15.9	7.2	1.7	0.0
-15°	61.8	41.7	26.6	15.7	7.1	1.7	0.0
-17.5°	60.6	41.1	26.3	15.5	7.0	1.7	0.0
-20°	59.5	40.3	25.8	15.2	6.9	1.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	58.5	39.3	25.3	14.9	6.7	1.7	0.0
-25°	57.4	38.6	24.6	14.5	6.6	1.6	0.0
-27.5°	56.1	37.9	23.9	14.0	6.4	1.6	0.0
-30°	54.7	37.0	23.1	13.5	6.2	1.6	0.0
-32.5°	53.0	36.0	22.6	13.0	6.0	1.5	0.0
-35°	51.4	34.7	21.9	12.4	5.7	1.5	0.0
-37.5°	49.7	33.4	21.1	11.7	5.4	1.5	0.0
-40°	47.8	32.3	20.2	11.0	5.1	1.4	0.0
-42.5°	45.6	31.1	19.3	10.3	4.8	1.4	0.0
-45°	43.3	29.6	18.3	9.6	4.5	1.3	0.0
-47.5°	40.7	28.0	17.3	8.9	4.2	1.3	0.0
-50°	38.3	26.1	16.1	8.3	3.8	1.2	0.0
-52.5°	35.8	24.1	14.9	7.7	3.4	1.2	0.0
-55°	33.1	22.2	13.5	7.1	3.0	1.1	0.0
-57.5°	30.2	20.3	12.0	6.4	2.6	1.0	0.0
-60°	27.1	18.1	10.5	5.7	2.1	1.0	0.0
-62.5°	24.2	15.9	9.3	4.9	2.0	0.9	0.0
-65°	21.0	13.5	8.1	4.1	1.8	0.8	0.0
-67.5°	17.8	11.3	6.8	3.3	1.7	0.7	0.0
-70°	14.3	9.3	5.4	2.4	1.5	0.7	0.0
-72.5°	11.5	7.3	4.0	2.0	1.3	0.6	0.0
-75°	8.6	5.2	2.5	1.7	1.1	0.5	0.0
-77.5°	5.6	3.0	1.9	1.4	0.9	0.4	0.0
-80°	2.6	1.9	1.5	1.1	0.8	0.3	0.0
-82.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
-85°	1.1	1.0	0.8	0.6	0.4	0.2	0.0
-87.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)