

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: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1C-727-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626661 (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-SA1C-727-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N14
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

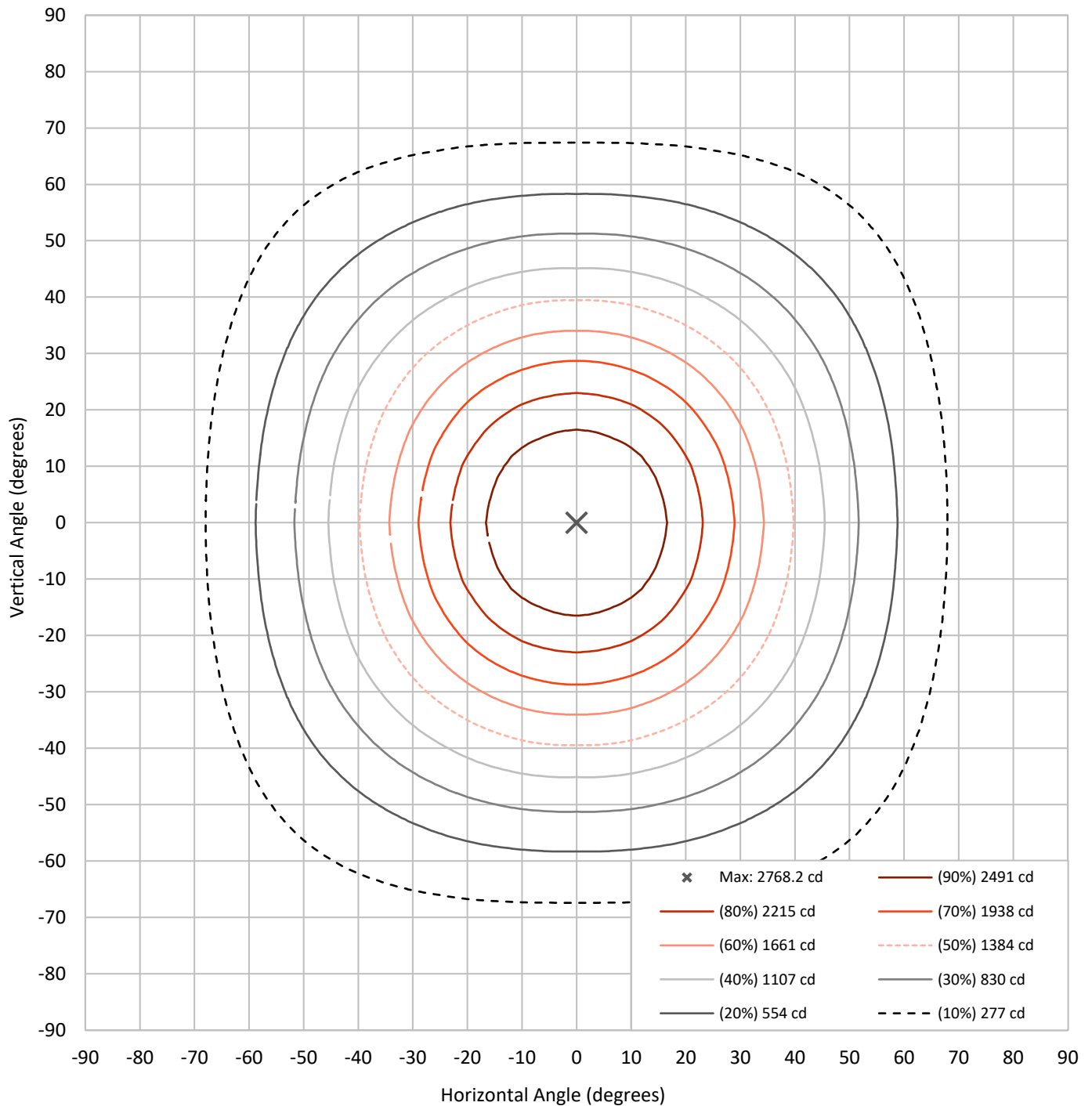
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5003.2 lumens	Max Intensity:	2768.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.0 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:	2934.4 lumens	Field Lumens:	4769.7 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	43.5		
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





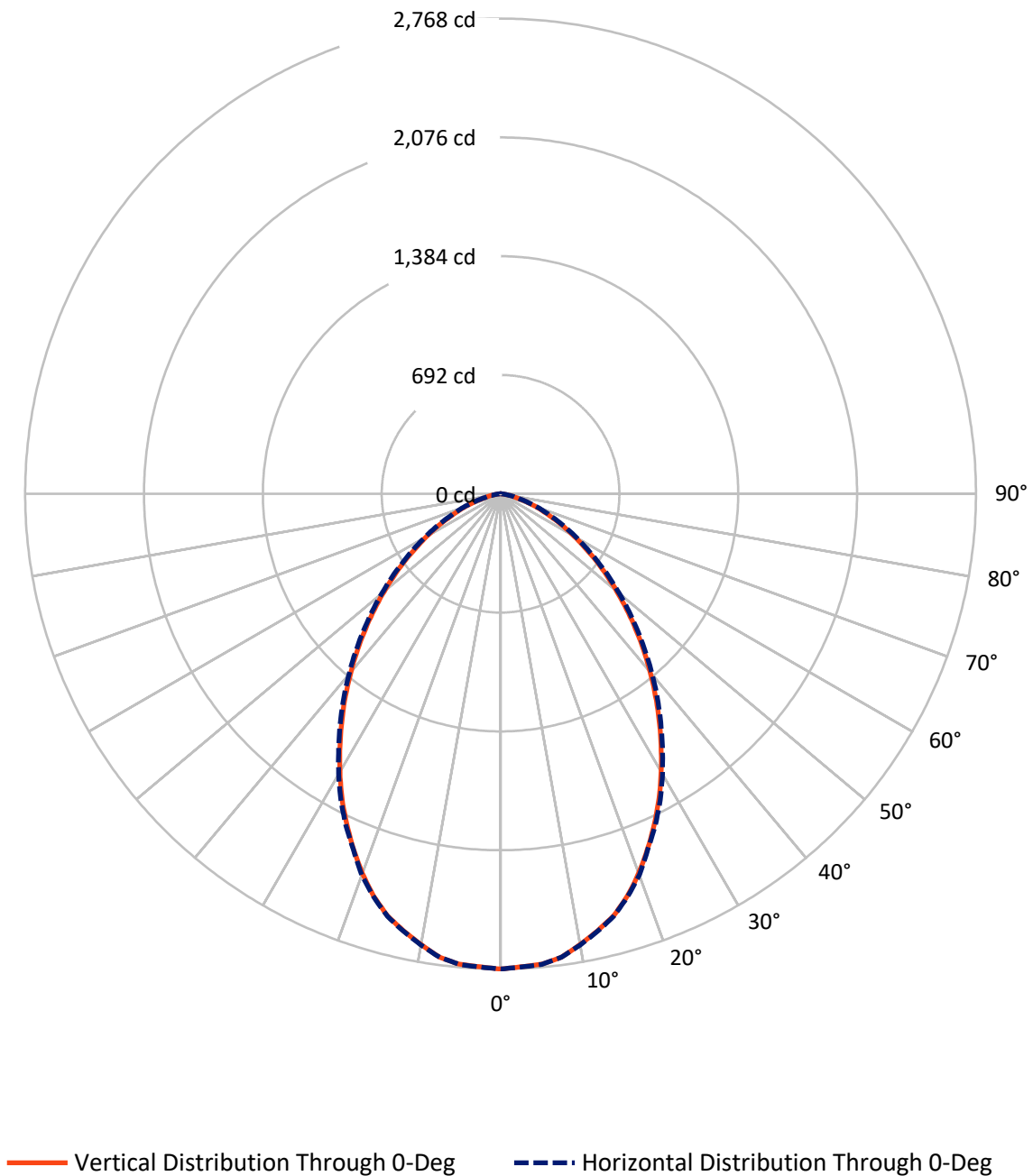
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Lumen Table

90																			
80	0.2	2.1	5.6	9.5	8.9	9.5	5.6	2.1	0.2										
70																			
60	0.9	1.3	2.6	4.4	6.5	8.3	9.8	10.4	10.4	9.8	8.3	6.5	4.4	2.6	1.3	0.9			
50		1.9	4.2	7.5	11.4	15.4	18.8	20.5	20.5	18.8	15.4	11.4	7.5	4.2	1.9				
40	1.6	2.6	6.1	11.2	17.8	24.7	30.4	33.6	33.6	30.4	24.7	17.8	11.2	6.1	2.6	1.6			
30		3.3	8.1	15.5	24.9	34.9	43.5	48.3	48.3	43.5	34.9	24.9	15.5	8.1	3.3				
20	2.1	3.9	9.9	19.4	31.7	45.0	56.6	63.3	63.3	56.6	45.0	31.7	19.4	9.9	3.9	2.1			
10		4.4	11.4	22.4	37.0	53.2	67.5	75.6	75.6	67.5	53.2	37.0	22.4	11.4	4.4				
0	2.3	4.7	12.1	24.1	40.0	57.7	73.4	81.9	81.9	73.4	57.7	40.0	24.1	12.1	4.7	2.3			
-10		4.7	12.1	24.1	40.0	57.7	73.4	81.9	81.9	73.4	57.7	40.0	24.1	12.1	4.7				
-20	2.1	4.4	11.4	22.4	37.0	53.2	67.5	75.6	75.6	67.5	53.2	37.0	22.4	11.4	4.4	2.1			
-30		3.9	9.9	19.4	31.7	45.0	56.6	63.3	63.3	56.6	45.0	31.7	19.4	9.9	3.9				
-40	1.6	3.3	8.1	15.5	24.9	34.9	43.5	48.3	48.3	43.5	34.9	24.9	15.5	8.1	3.3	1.6			
-50		2.6	6.1	11.2	17.8	24.7	30.4	33.6	33.6	30.4	24.7	17.8	11.2	6.1	2.6				
-60	0.9	1.9	4.2	7.5	11.4	15.4	18.8	20.5	20.5	18.8	15.4	11.4	7.5	4.2	1.9	0.9			
-70		1.3	2.6	4.4	6.5	8.3	9.8	10.4	10.4	9.8	8.3	6.5	4.4	2.6	1.3				
-80	0.2	2.1	5.6	9.5	8.9	9.5	5.6	2.1	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

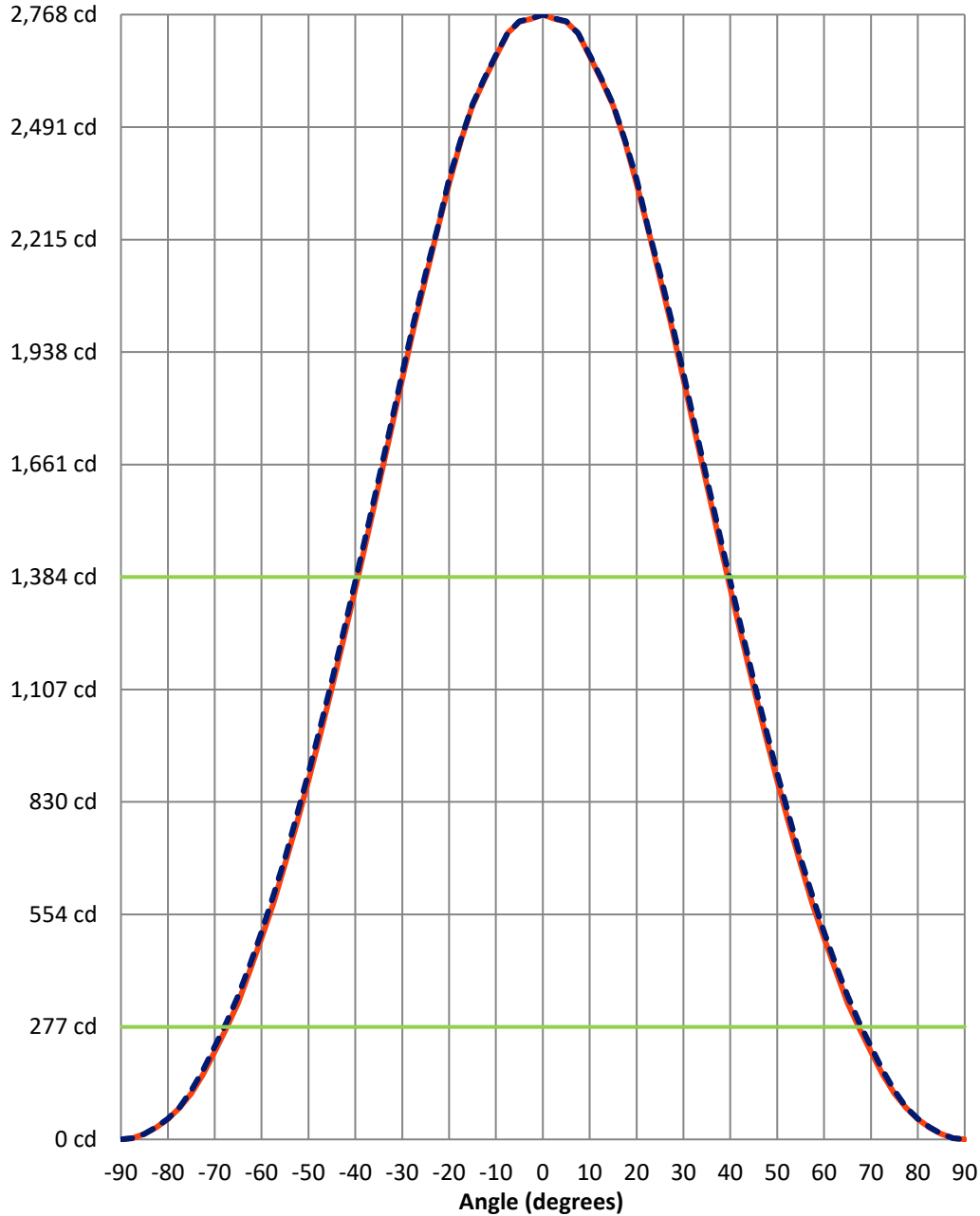
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 2934.4
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 4769.7
 Efficiency: 95.3%

Spill:
 Lumens: 233.5
 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	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8
85°	0.0	0.3	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
82.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.7	7.4	10.0
80°	0.0	0.6	1.5	2.2	2.9	3.6	4.9	8.6	12.3	15.7	19.1
77.5°	0.0	0.8	1.8	2.7	3.6	5.7	10.6	15.3	19.8	24.0	29.3
75°	0.0	0.9	2.2	3.3	4.7	9.7	16.1	21.9	27.5	35.2	43.3
72.5°	0.0	1.1	2.5	3.8	7.5	13.7	21.5	29.1	37.8	47.2	57.1
70°	0.0	1.2	2.8	4.5	10.1	17.5	26.9	37.6	47.9	58.9	71.8
67.5°	0.0	1.4	3.1	6.2	12.7	21.2	33.3	45.9	57.8	71.7	86.5
65°	0.0	1.5	3.5	7.8	15.2	25.3	39.5	54.1	68.5	84.1	100.2
62.5°	0.0	1.7	3.8	9.3	17.5	29.8	45.4	62.5	78.8	96.0	112.5
60°	0.0	1.8	4.0	10.7	19.7	34.1	50.9	71.0	88.7	107.1	124.6
57.5°	0.0	1.9	4.9	12.1	22.6	38.1	56.7	78.8	98.5	118.0	136.0
55°	0.0	2.0	5.6	13.3	25.4	41.8	62.3	85.6	108.1	128.5	147.1
52.5°	0.0	2.2	6.4	14.5	27.9	45.3	67.4	92.7	117.6	138.2	157.8
50°	0.0	2.3	7.1	15.5	30.3	49.1	72.1	99.4	126.5	147.6	170.1
47.5°	0.0	2.4	7.8	16.7	32.5	52.5	76.4	105.6	134.6	156.6	182.1
45°	0.0	2.5	8.5	18.1	34.4	55.6	81.3	111.3	140.8	166.9	193.6
42.5°	0.0	2.6	9.1	19.4	36.2	58.4	85.8	116.6	146.8	176.8	207.2
40°	0.0	2.6	9.7	20.7	37.9	60.8	89.9	121.6	153.1	186.0	220.5
37.5°	0.0	2.7	10.2	22.0	39.6	62.8	93.5	126.3	160.1	194.8	232.9
35°	0.0	2.8	10.7	23.3	41.1	65.2	96.7	130.8	167.0	204.9	245.4
32.5°	0.0	2.9	11.2	24.4	42.3	67.6	99.6	134.9	173.6	214.6	258.6
30°	0.0	2.9	11.6	25.4	43.3	69.6	102.7	139.1	180.0	223.8	271.0
27.5°	0.0	3.0	12.0	26.4	44.8	71.3	105.5	144.0	186.6	232.6	282.4
25°	0.0	3.0	12.4	27.2	46.2	72.6	107.9	148.5	193.5	241.6	293.1
22.5°	0.0	3.1	12.7	27.9	47.4	73.9	110.0	152.6	199.8	250.0	304.4
20°	0.0	3.1	12.9	28.6	48.5	75.8	111.7	156.3	205.6	257.6	314.5
17.5°	0.0	3.1	13.1	29.1	49.4	77.3	113.9	159.6	210.7	264.3	323.4
15°	0.0	3.1	13.3	29.6	50.1	78.4	116.1	162.7	215.2	270.0	331.2
12.5°	0.0	3.1	13.5	29.9	50.6	79.3	118.0	165.7	219.2	274.7	337.6
10°	0.0	3.1	13.5	30.1	51.0	79.8	119.4	167.9	222.7	279.1	343.0
7.5°	0.0	3.1	13.6	30.3	51.2	80.0	120.3	169.5	225.4	282.7	347.7
5°	0.0	3.1	13.6	30.3	51.2	79.9	120.8	170.4	227.2	285.3	351.1
2.5°	0.0	3.1	13.6	30.3	51.1	79.6	120.8	170.7	228.2	286.9	353.1
0°	0.0	3.1	13.5	30.1	51.0	79.8	119.4	167.9	222.7	279.1	343.0
-2.5°	0.0	3.1	13.6	30.3	51.1	79.6	120.8	170.7	228.2	286.9	353.1
-5°	0.0	3.1	13.6	30.3	51.2	79.9	120.8	170.4	227.2	285.3	351.1
-7.5°	0.0	3.1	13.6	30.3	51.2	80.0	120.3	169.5	225.4	282.7	347.7
-10°	0.0	3.1	13.5	30.1	51.0	79.8	119.4	167.9	222.7	279.1	343.0
-12.5°	0.0	3.1	13.5	29.9	50.6	79.3	118.0	165.7	219.2	274.7	337.6
-15°	0.0	3.1	13.3	29.6	50.1	78.4	116.1	162.7	215.2	270.0	331.2
-17.5°	0.0	3.1	13.1	29.1	49.4	77.3	113.9	159.6	210.7	264.3	323.4
-20°	0.0	3.1	12.9	28.6	48.5	75.8	111.7	156.3	205.6	257.6	314.5

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CATALOG NUMBER: GFLD-SA1C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.1	12.7	27.9	47.4	73.9	110.0	152.6	199.8	250.0	304.4
-25°	0.0	3.0	12.4	27.2	46.2	72.6	107.9	148.5	193.5	241.6	293.1
-27.5°	0.0	3.0	12.0	26.4	44.8	71.3	105.5	144.0	186.6	232.6	282.4
-30°	0.0	2.9	11.6	25.4	43.3	69.6	102.7	139.1	180.0	223.8	271.0
-32.5°	0.0	2.9	11.2	24.4	42.3	67.6	99.6	134.9	173.6	214.6	258.6
-35°	0.0	2.8	10.7	23.3	41.1	65.2	96.7	130.8	167.0	204.9	245.4
-37.5°	0.0	2.7	10.2	22.0	39.6	62.8	93.5	126.3	160.1	194.8	232.9
-40°	0.0	2.6	9.7	20.7	37.9	60.8	89.9	121.6	153.1	186.0	220.5
-42.5°	0.0	2.6	9.1	19.4	36.2	58.4	85.8	116.6	146.8	176.8	207.2
-45°	0.0	2.5	8.5	18.1	34.4	55.6	81.3	111.3	140.8	166.9	193.6
-47.5°	0.0	2.4	7.8	16.7	32.5	52.5	76.4	105.6	134.6	156.6	182.1
-50°	0.0	2.3	7.1	15.5	30.3	49.1	72.1	99.4	126.5	147.6	170.1
-52.5°	0.0	2.2	6.4	14.5	27.9	45.3	67.4	92.7	117.6	138.2	157.8
-55°	0.0	2.0	5.6	13.3	25.4	41.8	62.3	85.6	108.1	128.5	147.1
-57.5°	0.0	1.9	4.9	12.1	22.6	38.1	56.7	78.8	98.5	118.0	136.0
-60°	0.0	1.8	4.0	10.7	19.7	34.1	50.9	71.0	88.7	107.1	124.6
-62.5°	0.0	1.7	3.8	9.3	17.5	29.8	45.4	62.5	78.8	96.0	112.5
-65°	0.0	1.5	3.5	7.8	15.2	25.3	39.5	54.1	68.5	84.1	100.2
-67.5°	0.0	1.4	3.1	6.2	12.7	21.2	33.3	45.9	57.8	71.7	86.5
-70°	0.0	1.2	2.8	4.5	10.1	17.5	26.9	37.6	47.9	58.9	71.8
-72.5°	0.0	1.1	2.5	3.8	7.5	13.7	21.5	29.1	37.8	47.2	57.1
-75°	0.0	0.9	2.2	3.3	4.7	9.7	16.1	21.9	27.5	35.2	43.3
-77.5°	0.0	0.8	1.8	2.7	3.6	5.7	10.6	15.3	19.8	24.0	29.3
-80°	0.0	0.6	1.5	2.2	2.9	3.6	4.9	8.6	12.3	15.7	19.1
-82.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.7	7.4	10.0
-85°	0.0	0.3	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.5
-87.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.4	1.6	1.8
-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°	2.1	2.3	2.7	3.0	3.0	3.0	3.0	3.0	3.1	3.2	3.3
85°	4.1	4.7	6.5	8.2	9.1	9.6	9.8	9.8	11.4	13.2	15.2
82.5°	12.6	15.2	17.7	20.0	20.7	20.7	20.5	20.5	24.3	28.6	32.9
80°	22.5	25.7	30.1	34.0	35.7	36.6	37.0	37.0	41.7	48.0	54.6
77.5°	35.6	41.2	46.1	50.2	52.4	54.4	56.0	57.2	63.3	71.2	79.1
75°	50.7	56.8	62.9	68.1	71.8	74.6	77.1	81.2	89.2	98.4	106.5
72.5°	66.6	74.3	81.1	86.8	92.0	97.5	103.7	110.4	118.8	128.0	136.4
70°	83.5	92.0	99.1	106.0	113.1	121.3	130.5	139.6	148.9	159.2	169.0
67.5°	100.0	108.3	116.6	125.3	135.9	146.9	157.8	170.3	183.1	194.5	204.7
65°	114.4	124.1	134.5	146.3	159.3	173.4	187.9	203.0	219.2	232.8	245.3
62.5°	128.1	139.8	152.4	167.1	183.8	200.4	219.0	237.8	256.1	272.2	287.0
60°	140.8	154.9	170.9	188.9	208.4	230.4	251.6	273.0	293.1	311.3	330.1
57.5°	153.1	170.9	190.0	211.7	236.3	261.1	286.0	309.0	331.7	353.9	375.1
55°	166.2	187.5	210.3	236.9	264.7	294.0	320.8	346.5	371.5	398.4	424.0
52.5°	180.5	204.3	232.9	262.7	294.7	326.2	355.6	384.9	415.2	445.6	478.9
50°	194.3	224.0	255.4	290.1	324.6	358.3	392.1	425.8	462.1	499.4	537.1
47.5°	210.5	242.9	280.0	317.2	354.9	392.4	430.0	470.8	512.0	555.3	597.0
45°	226.8	263.4	303.3	345.3	386.1	427.6	471.6	516.6	565.0	612.6	662.8
42.5°	242.4	283.7	327.6	373.0	418.4	464.8	513.1	565.8	618.6	673.5	728.7
40°	259.5	302.9	351.4	401.4	450.6	502.0	557.4	614.3	674.1	734.5	794.4
37.5°	276.1	323.8	374.7	428.5	483.8	540.3	600.4	665.0	729.8	794.8	860.9
35°	291.5	343.5	398.7	455.7	514.4	578.7	645.8	714.8	785.1	855.4	926.5
32.5°	307.4	362.1	421.6	482.6	547.3	616.3	689.7	764.6	839.4	914.5	992.2
30°	323.4	381.6	443.8	508.1	578.8	654.0	732.9	812.2	891.4	973.9	1056.8
27.5°	338.5	400.1	465.6	534.4	609.0	688.8	772.8	857.7	943.0	1030.8	1119.2
25°	352.4	417.7	485.8	559.7	638.8	722.4	809.9	898.5	992.0	1086.0	1178.3
22.5°	365.9	433.8	504.6	583.1	665.8	753.7	844.7	938.3	1035.9	1136.9	1232.4
20°	378.9	449.1	522.8	604.2	690.0	781.8	876.4	974.3	1076.8	1180.5	1283.2
17.5°	390.4	462.8	539.8	624.0	713.1	807.4	904.9	1006.0	1113.1	1220.5	1329.4
15°	400.5	474.6	554.5	641.2	733.5	830.8	931.3	1035.3	1145.2	1257.1	1370.2
12.5°	409.0	484.7	566.9	655.9	750.8	850.8	954.0	1061.7	1174.6	1289.5	1406.0
10°	415.9	492.9	577.0	667.9	764.9	867.3	972.7	1083.5	1199.7	1317.2	1436.1
7.5°	421.8	499.7	584.9	677.2	775.8	880.3	987.3	1100.4	1219.7	1338.7	1460.3
5°	426.1	505.3	592.2	684.9	785.3	890.4	998.3	1112.5	1234.3	1354.0	1477.8
2.5°	428.6	508.9	597.2	689.9	792.7	897.9	1008.1	1123.2	1245.1	1366.2	1491.0
0°	429.5	510.5	599.7	692.0	796.8	901.6	1013.7	1128.9	1250.2	1373.7	1499.3
-2.5°	428.6	508.9	597.2	689.9	792.7	897.9	1008.1	1123.2	1245.1	1366.2	1491.0
-5°	426.1	505.3	592.2	684.9	785.3	890.4	998.3	1112.5	1234.3	1354.0	1477.8
-7.5°	421.8	499.7	584.9	677.2	775.8	880.3	987.3	1100.4	1219.7	1338.7	1460.3
-10°	415.9	492.9	577.0	667.9	764.9	867.3	972.7	1083.5	1199.7	1317.2	1436.1
-12.5°	409.0	484.7	566.9	655.9	750.8	850.8	954.0	1061.7	1174.6	1289.5	1406.0
-15°	400.5	474.6	554.5	641.2	733.5	830.8	931.3	1035.3	1145.2	1257.1	1370.2
-17.5°	390.4	462.8	539.8	624.0	713.1	807.4	904.9	1006.0	1113.1	1220.5	1329.4
-20°	378.9	449.1	522.8	604.2	690.0	781.8	876.4	974.3	1076.8	1180.5	1283.2

Classified

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

Scaled Data Report



REPORT NUMBER: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-727-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°	365.9	433.8	504.6	583.1	665.8	753.7	844.7	938.3	1035.9	1136.9	1232.4
-25°	352.4	417.7	485.8	559.7	638.8	722.4	809.9	898.5	992.0	1086.0	1178.3
-27.5°	338.5	400.1	465.6	534.4	609.0	688.8	772.8	857.7	943.0	1030.8	1119.2
-30°	323.4	381.6	443.8	508.1	578.8	654.0	732.9	812.2	891.4	973.9	1056.8
-32.5°	307.4	362.1	421.6	482.6	547.3	616.3	689.7	764.6	839.4	914.5	992.2
-35°	291.5	343.5	398.7	455.7	514.4	578.7	645.8	714.8	785.1	855.4	926.5
-37.5°	276.1	323.8	374.7	428.5	483.8	540.3	600.4	665.0	729.8	794.8	860.9
-40°	259.5	302.9	351.4	401.4	450.6	502.0	557.4	614.3	674.1	734.5	794.4
-42.5°	242.4	283.7	327.6	373.0	418.4	464.8	513.1	565.8	618.6	673.5	728.7
-45°	226.8	263.4	303.3	345.3	386.1	427.6	471.6	516.6	565.0	612.6	662.8
-47.5°	210.5	242.9	280.0	317.2	354.9	392.4	430.0	470.8	512.0	555.3	597.0
-50°	194.3	224.0	255.4	290.1	324.6	358.3	392.1	425.8	462.1	499.4	537.1
-52.5°	180.5	204.3	232.9	262.7	294.7	326.2	355.6	384.9	415.2	445.6	478.9
-55°	166.2	187.5	210.3	236.9	264.7	294.0	320.8	346.5	371.5	398.4	424.0
-57.5°	153.1	170.9	190.0	211.7	236.3	261.1	286.0	309.0	331.7	353.9	375.1
-60°	140.8	154.9	170.9	188.9	208.4	230.4	251.6	273.0	293.1	311.3	330.1
-62.5°	128.1	139.8	152.4	167.1	183.8	200.4	219.0	237.8	256.1	272.2	287.0
-65°	114.4	124.1	134.5	146.3	159.3	173.4	187.9	203.0	219.2	232.8	245.3
-67.5°	100.0	108.3	116.6	125.3	135.9	146.9	157.8	170.3	183.1	194.5	204.7
-70°	83.5	92.0	99.1	106.0	113.1	121.3	130.5	139.6	148.9	159.2	169.0
-72.5°	66.6	74.3	81.1	86.8	92.0	97.5	103.7	110.4	118.8	128.0	136.4
-75°	50.7	56.8	62.9	68.1	71.8	74.6	77.1	81.2	89.2	98.4	106.5
-77.5°	35.6	41.2	46.1	50.2	52.4	54.4	56.0	57.2	63.3	71.2	79.1
-80°	22.5	25.7	30.1	34.0	35.7	36.6	37.0	37.0	41.7	48.0	54.6
-82.5°	12.6	15.2	17.7	20.0	20.7	20.7	20.5	20.5	24.3	28.6	32.9
-85°	4.1	4.7	6.5	8.2	9.1	9.6	9.8	9.8	11.4	13.2	15.2
-87.5°	2.1	2.3	2.7	3.0	3.0	3.0	3.0	3.0	3.1	3.2	3.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-727-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°	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	3.8	3.6
85°	17.4	18.6	19.7	20.8	21.8	22.8	23.8	24.6	25.4	23.2	20.8
82.5°	37.4	40.4	43.3	46.1	48.9	49.7	49.9	49.8	49.4	45.5	41.3
80°	61.1	66.2	71.0	75.7	80.4	81.0	80.4	79.5	78.1	73.0	67.3
77.5°	86.9	93.3	98.9	104.1	108.7	109.6	109.5	109.2	108.9	103.7	97.4
75°	113.4	119.6	125.7	130.8	135.1	137.1	138.1	138.8	139.2	135.4	130.6
72.5°	144.1	150.6	155.9	160.9	165.2	168.2	170.4	172.1	173.2	172.1	170.1
70°	177.4	184.4	190.3	195.9	201.7	206.3	209.7	212.2	213.8	214.8	215.6
67.5°	214.9	224.3	232.5	239.5	246.4	252.9	258.2	262.6	266.0	268.9	271.0
65°	257.2	269.2	279.8	289.6	298.6	308.0	315.7	322.2	327.4	331.7	335.2
62.5°	301.7	316.4	330.0	343.2	356.2	369.0	378.8	387.8	395.7	402.6	408.0
60°	347.8	364.5	382.8	400.3	416.4	431.2	445.8	458.4	469.2	478.2	485.4
57.5°	397.5	419.1	440.5	462.2	482.7	501.9	519.9	535.8	549.2	560.2	569.5
55°	451.1	478.1	502.9	530.4	556.8	581.0	602.2	620.9	637.0	650.5	662.0
52.5°	510.0	542.9	575.2	606.4	636.4	664.4	689.8	711.5	730.8	747.4	760.6
50°	574.5	612.2	649.6	684.2	718.8	751.0	780.1	805.3	827.8	847.3	862.6
47.5°	642.0	684.8	726.6	766.3	804.5	840.3	871.8	900.6	928.6	951.5	969.6
45°	712.1	760.1	806.1	851.5	893.6	933.8	972.7	1008.5	1037.2	1062.4	1083.5
42.5°	782.9	836.5	888.2	937.7	983.9	1030.4	1074.1	1113.2	1146.0	1174.6	1198.7
40°	854.8	913.5	970.3	1024.3	1077.2	1127.8	1175.1	1216.4	1253.3	1287.4	1315.7
37.5°	926.3	990.8	1053.8	1114.3	1172.5	1227.4	1278.5	1325.1	1366.8	1405.6	1437.0
35°	998.0	1068.8	1137.8	1204.4	1268.0	1328.5	1384.5	1437.5	1486.7	1526.0	1558.1
32.5°	1069.5	1145.7	1220.7	1294.0	1363.6	1428.8	1489.5	1548.1	1598.7	1641.8	1678.9
30°	1138.8	1221.2	1302.9	1382.4	1457.6	1528.2	1595.4	1657.4	1711.8	1759.0	1800.5
27.5°	1206.6	1295.2	1382.9	1467.8	1549.1	1625.9	1699.2	1766.4	1825.8	1877.1	1920.8
25°	1270.8	1366.0	1459.5	1549.5	1636.3	1721.1	1800.2	1873.5	1937.0	1993.3	2038.3
22.5°	1332.1	1433.7	1531.9	1626.5	1719.4	1810.8	1897.4	1974.0	2041.2	2100.1	2149.9
20°	1389.2	1498.0	1598.5	1698.6	1796.5	1894.0	1987.0	2067.8	2139.0	2201.6	2256.5
17.5°	1442.6	1554.2	1660.0	1766.6	1869.8	1972.1	2066.6	2153.2	2230.0	2296.5	2353.9
15°	1487.8	1600.5	1716.1	1829.9	1938.7	2042.2	2136.7	2227.1	2312.4	2384.3	2442.6
12.5°	1524.4	1641.6	1762.2	1882.9	1998.0	2101.5	2200.3	2292.1	2381.6	2462.4	2516.0
10°	1555.6	1676.3	1800.7	1923.9	2040.5	2150.0	2257.5	2354.5	2442.5	2514.9	2574.7
7.5°	1582.6	1707.0	1833.3	1956.7	2072.9	2186.0	2296.7	2399.7	2488.5	2556.7	2610.0
5°	1602.5	1729.8	1858.6	1983.1	2100.9	2214.4	2325.6	2427.3	2514.0	2583.4	2641.6
2.5°	1616.7	1745.2	1874.9	1999.6	2120.1	2233.9	2347.8	2450.7	2534.6	2598.1	2653.9
0°	1625.8	1754.5	1885.2	2012.8	2131.1	2241.1	2363.5	2460.0	2547.2	2610.5	2668.6
-2.5°	1616.7	1745.2	1874.9	1999.6	2120.1	2233.9	2347.8	2450.7	2534.6	2598.1	2653.9
-5°	1602.5	1729.8	1858.6	1983.1	2100.9	2214.4	2325.6	2427.3	2514.0	2583.4	2641.6
-7.5°	1582.6	1707.0	1833.3	1956.7	2072.9	2186.0	2296.7	2399.7	2488.5	2556.7	2610.0
-10°	1555.6	1676.3	1800.7	1923.9	2040.5	2150.0	2257.5	2354.5	2442.5	2514.9	2574.7
-12.5°	1524.4	1641.6	1762.2	1882.9	1998.0	2101.5	2200.3	2292.1	2381.6	2462.4	2516.0
-15°	1487.8	1600.5	1716.1	1829.9	1938.7	2042.2	2136.7	2227.1	2312.4	2384.3	2442.6
-17.5°	1442.6	1554.2	1660.0	1766.6	1869.8	1972.1	2066.6	2153.2	2230.0	2296.5	2353.9
-20°	1389.2	1498.0	1598.5	1698.6	1796.5	1894.0	1987.0	2067.8	2139.0	2201.6	2256.5

Classified

Cooper Lighting Solutions Photometric Lab
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1332.1	1433.7	1531.9	1626.5	1719.4	1810.8	1897.4	1974.0	2041.2	2100.1	2149.9
-25°	1270.8	1366.0	1459.5	1549.5	1636.3	1721.1	1800.2	1873.5	1937.0	1993.3	2038.3
-27.5°	1206.6	1295.2	1382.9	1467.8	1549.1	1625.9	1699.2	1766.4	1825.8	1877.1	1920.8
-30°	1138.8	1221.2	1302.9	1382.4	1457.6	1528.2	1595.4	1657.4	1711.8	1759.0	1800.5
-32.5°	1069.5	1145.7	1220.7	1294.0	1363.6	1428.8	1489.5	1548.1	1598.7	1641.8	1678.9
-35°	998.0	1068.8	1137.8	1204.4	1268.0	1328.5	1384.5	1437.5	1486.7	1526.0	1558.1
-37.5°	926.3	990.8	1053.8	1114.3	1172.5	1227.4	1278.5	1325.1	1366.8	1405.6	1437.0
-40°	854.8	913.5	970.3	1024.3	1077.2	1127.8	1175.1	1216.4	1253.3	1287.4	1315.7
-42.5°	782.9	836.5	888.2	937.7	983.9	1030.4	1074.1	1113.2	1146.0	1174.6	1198.7
-45°	712.1	760.1	806.1	851.5	893.6	933.8	972.7	1008.5	1037.2	1062.4	1083.5
-47.5°	642.0	684.8	726.6	766.3	804.5	840.3	871.8	900.6	928.6	951.5	969.6
-50°	574.5	612.2	649.6	684.2	718.8	751.0	780.1	805.3	827.8	847.3	862.6
-52.5°	510.0	542.9	575.2	606.4	636.4	664.4	689.8	711.5	730.8	747.4	760.6
-55°	451.1	478.1	502.9	530.4	556.8	581.0	602.2	620.9	637.0	650.5	662.0
-57.5°	397.5	419.1	440.5	462.2	482.7	501.9	519.9	535.8	549.2	560.2	569.5
-60°	347.8	364.5	382.8	400.3	416.4	431.2	445.8	458.4	469.2	478.2	485.4
-62.5°	301.7	316.4	330.0	343.2	356.2	369.0	378.8	387.8	395.7	402.6	408.0
-65°	257.2	269.2	279.8	289.6	298.6	308.0	315.7	322.2	327.4	331.7	335.2
-67.5°	214.9	224.3	232.5	239.5	246.4	252.9	258.2	262.6	266.0	268.9	271.0
-70°	177.4	184.4	190.3	195.9	201.7	206.3	209.7	212.2	213.8	214.8	215.6
-72.5°	144.1	150.6	155.9	160.9	165.2	168.2	170.4	172.1	173.2	172.1	170.1
-75°	113.4	119.6	125.7	130.8	135.1	137.1	138.1	138.8	139.2	135.4	130.6
-77.5°	86.9	93.3	98.9	104.1	108.7	109.6	109.5	109.2	108.9	103.7	97.4
-80°	61.1	66.2	71.0	75.7	80.4	81.0	80.4	79.5	78.1	73.0	67.3
-82.5°	37.4	40.4	43.3	46.1	48.9	49.7	49.9	49.8	49.4	45.5	41.3
-85°	17.4	18.6	19.7	20.8	21.8	22.8	23.8	24.6	25.4	23.2	20.8
-87.5°	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	3.8	3.6
-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: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-727-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°	3.3	3.1	3.1	3.1	3.1	3.1	3.3	3.6	3.8	4.1	4.0
85°	18.2	15.5	14.5	13.5	14.5	15.5	18.2	20.8	23.2	25.4	24.6
82.5°	36.8	32.1	30.6	29.1	30.6	32.1	36.8	41.3	45.5	49.4	49.8
80°	61.2	54.9	52.4	49.8	52.4	54.9	61.2	67.3	73.0	78.1	79.5
77.5°	90.8	83.8	80.8	77.8	80.8	83.8	90.8	97.4	103.7	108.9	109.2
75°	125.4	120.0	116.7	113.1	116.7	120.0	125.4	130.6	135.4	139.2	138.8
72.5°	167.8	165.1	162.7	159.8	162.7	165.1	167.8	170.1	172.1	173.2	172.1
70°	215.8	215.5	215.9	215.8	215.9	215.5	215.8	215.6	214.8	213.8	212.2
67.5°	272.2	272.2	273.4	273.9	273.4	272.2	272.2	271.0	268.9	266.0	262.6
65°	337.3	338.1	337.8	336.2	337.8	338.1	337.3	335.2	331.7	327.4	322.2
62.5°	411.9	414.1	415.3	415.0	415.3	414.1	411.9	408.0	402.6	395.7	387.8
60°	490.8	494.3	496.1	495.9	496.1	494.3	490.8	485.4	478.2	469.2	458.4
57.5°	576.3	580.8	581.9	580.0	581.9	580.8	576.3	569.5	560.2	549.2	535.8
55°	670.6	676.4	678.6	677.5	678.6	676.4	670.6	662.0	650.5	637.0	620.9
52.5°	770.3	776.5	778.7	777.1	778.7	776.5	770.3	760.6	747.4	730.8	711.5
50°	873.8	881.3	884.4	883.0	884.4	881.3	873.8	862.6	847.3	827.8	805.3
47.5°	983.7	993.8	997.7	995.0	997.7	993.8	983.7	969.6	951.5	928.6	900.6
45°	1099.4	1109.8	1113.8	1111.2	1113.8	1109.8	1099.4	1083.5	1062.4	1037.2	1008.5
42.5°	1217.1	1230.6	1236.3	1231.6	1236.3	1230.6	1217.1	1198.7	1174.6	1146.0	1113.2
40°	1336.8	1351.5	1358.3	1355.0	1358.3	1351.5	1336.8	1315.7	1287.4	1253.3	1216.4
37.5°	1459.8	1474.4	1481.5	1481.6	1481.5	1474.4	1459.8	1437.0	1405.6	1366.8	1325.1
35°	1583.1	1600.8	1610.8	1610.3	1610.8	1600.8	1583.1	1558.1	1526.0	1486.7	1437.5
32.5°	1708.1	1727.3	1737.4	1738.9	1737.4	1727.3	1708.1	1678.9	1641.8	1598.7	1548.1
30°	1833.0	1854.0	1865.8	1870.7	1865.8	1854.0	1833.0	1800.5	1759.0	1711.8	1657.4
27.5°	1954.0	1979.9	1997.8	1999.4	1997.8	1979.9	1954.0	1920.8	1877.1	1825.8	1766.4
25°	2071.3	2097.7	2116.0	2119.7	2116.0	2097.7	2071.3	2038.3	1993.3	1937.0	1873.5
22.5°	2186.9	2214.4	2231.3	2238.0	2231.3	2214.4	2186.9	2149.9	2100.1	2041.2	1974.0
20°	2297.2	2327.0	2345.0	2352.1	2345.0	2327.0	2297.2	2256.5	2201.6	2139.0	2067.8
17.5°	2396.9	2428.5	2450.7	2456.9	2450.7	2428.5	2396.9	2353.9	2296.5	2230.0	2153.2
15°	2484.7	2514.7	2535.8	2544.1	2535.8	2514.7	2484.7	2442.6	2384.3	2312.4	2227.1
12.5°	2556.3	2583.0	2599.5	2607.4	2599.5	2583.0	2556.3	2516.0	2462.4	2381.6	2292.1
10°	2612.1	2639.0	2654.7	2665.5	2654.7	2639.0	2612.1	2574.7	2514.9	2442.5	2354.5
7.5°	2660.6	2688.1	2707.4	2722.5	2707.4	2688.1	2660.6	2610.0	2556.7	2488.5	2399.7
5°	2687.4	2733.3	2740.2	2750.5	2740.2	2733.3	2687.4	2641.6	2583.4	2514.0	2427.3
2.5°	2707.7	2740.4	2760.0	2757.8	2760.0	2740.4	2707.7	2653.9	2598.1	2534.6	2450.7
0°	2722.5	2751.6	2758.8	2768.2	2758.8	2751.6	2722.5	2668.6	2610.5	2547.2	2460.0
-2.5°	2707.7	2740.4	2760.0	2757.8	2760.0	2740.4	2707.7	2653.9	2598.1	2534.6	2450.7
-5°	2687.4	2733.3	2740.2	2750.5	2740.2	2733.3	2687.4	2641.6	2583.4	2514.0	2427.3
-7.5°	2660.6	2688.1	2707.4	2722.5	2707.4	2688.1	2660.6	2610.0	2556.7	2488.5	2399.7
-10°	2612.1	2639.0	2654.7	2665.5	2654.7	2639.0	2612.1	2574.7	2514.9	2442.5	2354.5
-12.5°	2556.3	2583.0	2599.5	2607.4	2599.5	2583.0	2556.3	2516.0	2462.4	2381.6	2292.1
-15°	2484.7	2514.7	2535.8	2544.1	2535.8	2514.7	2484.7	2442.6	2384.3	2312.4	2227.1
-17.5°	2396.9	2428.5	2450.7	2456.9	2450.7	2428.5	2396.9	2353.9	2296.5	2230.0	2153.2
-20°	2297.2	2327.0	2345.0	2352.1	2345.0	2327.0	2297.2	2256.5	2201.6	2139.0	2067.8



REPORT NUMBER: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-727-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°	2186.9	2214.4	2231.3	2238.0	2231.3	2214.4	2186.9	2149.9	2100.1	2041.2	1974.0
-25°	2071.3	2097.7	2116.0	2119.7	2116.0	2097.7	2071.3	2038.3	1993.3	1937.0	1873.5
-27.5°	1954.0	1979.9	1997.8	1999.4	1997.8	1979.9	1954.0	1920.8	1877.1	1825.8	1766.4
-30°	1833.0	1854.0	1865.8	1870.7	1865.8	1854.0	1833.0	1800.5	1759.0	1711.8	1657.4
-32.5°	1708.1	1727.3	1737.4	1738.9	1737.4	1727.3	1708.1	1678.9	1641.8	1598.7	1548.1
-35°	1583.1	1600.8	1610.8	1610.3	1610.8	1600.8	1583.1	1558.1	1526.0	1486.7	1437.5
-37.5°	1459.8	1474.4	1481.5	1481.6	1481.5	1474.4	1459.8	1437.0	1405.6	1366.8	1325.1
-40°	1336.8	1351.5	1358.3	1355.0	1358.3	1351.5	1336.8	1315.7	1287.4	1253.3	1216.4
-42.5°	1217.1	1230.6	1236.3	1231.6	1236.3	1230.6	1217.1	1198.7	1174.6	1146.0	1113.2
-45°	1099.4	1109.8	1113.8	1111.2	1113.8	1109.8	1099.4	1083.5	1062.4	1037.2	1008.5
-47.5°	983.7	993.8	997.7	995.0	997.7	993.8	983.7	969.6	951.5	928.6	900.6
-50°	873.8	881.3	884.4	883.0	884.4	881.3	873.8	862.6	847.3	827.8	805.3
-52.5°	770.3	776.5	778.7	777.1	778.7	776.5	770.3	760.6	747.4	730.8	711.5
-55°	670.6	676.4	678.6	677.5	678.6	676.4	670.6	662.0	650.5	637.0	620.9
-57.5°	576.3	580.8	581.9	580.0	581.9	580.8	576.3	569.5	560.2	549.2	535.8
-60°	490.8	494.3	496.1	495.9	496.1	494.3	490.8	485.4	478.2	469.2	458.4
-62.5°	411.9	414.1	415.3	415.0	415.3	414.1	411.9	408.0	402.6	395.7	387.8
-65°	337.3	338.1	337.8	336.2	337.8	338.1	337.3	335.2	331.7	327.4	322.2
-67.5°	272.2	272.2	273.4	273.9	273.4	272.2	272.2	271.0	268.9	266.0	262.6
-70°	215.8	215.5	215.9	215.8	215.9	215.5	215.8	215.6	214.8	213.8	212.2
-72.5°	167.8	165.1	162.7	159.8	162.7	165.1	167.8	170.1	172.1	173.2	172.1
-75°	125.4	120.0	116.7	113.1	116.7	120.0	125.4	130.6	135.4	139.2	138.8
-77.5°	90.8	83.8	80.8	77.8	80.8	83.8	90.8	97.4	103.7	108.9	109.2
-80°	61.2	54.9	52.4	49.8	52.4	54.9	61.2	67.3	73.0	78.1	79.5
-82.5°	36.8	32.1	30.6	29.1	30.6	32.1	36.8	41.3	45.5	49.4	49.8
-85°	18.2	15.5	14.5	13.5	14.5	15.5	18.2	20.8	23.2	25.4	24.6
-87.5°	3.3	3.1	3.1	3.1	3.1	3.1	3.3	3.6	3.8	4.1	4.0
-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: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-727-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°	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0
85°	23.8	22.8	21.8	20.8	19.7	18.6	17.4	15.2	13.2	11.4	9.8
82.5°	49.9	49.7	48.9	46.1	43.3	40.4	37.4	32.9	28.6	24.3	20.5
80°	80.4	81.0	80.4	75.7	71.0	66.2	61.1	54.6	48.0	41.7	37.0
77.5°	109.5	109.6	108.7	104.1	98.9	93.3	86.9	79.1	71.2	63.3	57.2
75°	138.1	137.1	135.1	130.8	125.7	119.6	113.4	106.5	98.4	89.2	81.2
72.5°	170.4	168.2	165.2	160.9	155.9	150.6	144.1	136.4	128.0	118.8	110.4
70°	209.7	206.3	201.7	195.9	190.3	184.4	177.4	169.0	159.2	148.9	139.6
67.5°	258.2	252.9	246.4	239.5	232.5	224.3	214.9	204.7	194.5	183.1	170.3
65°	315.7	308.0	298.6	289.6	279.8	269.2	257.2	245.3	232.8	219.2	203.0
62.5°	378.8	369.0	356.2	343.2	330.0	316.4	301.7	287.0	272.2	256.1	237.8
60°	445.8	431.2	416.4	400.3	382.8	364.5	347.8	330.1	311.3	293.1	273.0
57.5°	519.9	501.9	482.7	462.2	440.5	419.1	397.5	375.1	353.9	331.7	309.0
55°	602.2	581.0	556.8	530.4	502.9	478.1	451.1	424.0	398.4	371.5	346.5
52.5°	689.8	664.4	636.4	606.4	575.2	542.9	510.0	478.9	445.6	415.2	384.9
50°	780.1	751.0	718.8	684.2	649.6	612.2	574.5	537.1	499.4	462.1	425.8
47.5°	871.8	840.3	804.5	766.3	726.6	684.8	642.0	597.0	555.3	512.0	470.8
45°	972.7	933.8	893.6	851.5	806.1	760.1	712.1	662.8	612.6	565.0	516.6
42.5°	1074.1	1030.4	983.9	937.7	888.2	836.5	782.9	728.7	673.5	618.6	565.8
40°	1175.1	1127.8	1077.2	1024.3	970.3	913.5	854.8	794.4	734.5	674.1	614.3
37.5°	1278.5	1227.4	1172.5	1114.3	1053.8	990.8	926.3	860.9	794.8	729.8	665.0
35°	1384.5	1328.5	1268.0	1204.4	1137.8	1068.8	998.0	926.5	855.4	785.1	714.8
32.5°	1489.5	1428.8	1363.6	1294.0	1220.7	1145.7	1069.5	992.2	914.5	839.4	764.6
30°	1595.4	1528.2	1457.6	1382.4	1302.9	1221.2	1138.8	1056.8	973.9	891.4	812.2
27.5°	1699.2	1625.9	1549.1	1467.8	1382.9	1295.2	1206.6	1119.2	1030.8	943.0	857.7
25°	1800.2	1721.1	1636.3	1549.5	1459.5	1366.0	1270.8	1178.3	1086.0	992.0	898.5
22.5°	1897.4	1810.8	1719.4	1626.5	1531.9	1433.7	1332.1	1232.4	1136.9	1035.9	938.3
20°	1987.0	1894.0	1796.5	1698.6	1598.5	1498.0	1389.2	1283.2	1180.5	1076.8	974.3
17.5°	2066.6	1972.1	1869.8	1766.6	1660.0	1554.2	1442.6	1329.4	1220.5	1113.1	1006.0
15°	2136.7	2042.2	1938.7	1829.9	1716.1	1600.5	1487.8	1370.2	1257.1	1145.2	1035.3
12.5°	2200.3	2101.5	1998.0	1882.9	1762.2	1641.6	1524.4	1406.0	1289.5	1174.6	1061.7
10°	2257.5	2150.0	2040.5	1923.9	1800.7	1676.3	1555.6	1436.1	1317.2	1199.7	1083.5
7.5°	2296.7	2186.0	2072.9	1956.7	1833.3	1707.0	1582.6	1460.3	1338.7	1219.7	1100.4
5°	2325.6	2214.4	2100.9	1983.1	1858.6	1729.8	1602.5	1477.8	1354.0	1234.3	1112.5
2.5°	2347.8	2233.9	2120.1	1999.6	1874.9	1745.2	1616.7	1491.0	1366.2	1245.1	1123.2
0°	2363.5	2241.1	2131.1	2012.8	1885.2	1754.5	1625.8	1499.3	1373.7	1250.2	1128.9
-2.5°	2347.8	2233.9	2120.1	1999.6	1874.9	1745.2	1616.7	1491.0	1366.2	1245.1	1123.2
-5°	2325.6	2214.4	2100.9	1983.1	1858.6	1729.8	1602.5	1477.8	1354.0	1234.3	1112.5
-7.5°	2296.7	2186.0	2072.9	1956.7	1833.3	1707.0	1582.6	1460.3	1338.7	1219.7	1100.4
-10°	2257.5	2150.0	2040.5	1923.9	1800.7	1676.3	1555.6	1436.1	1317.2	1199.7	1083.5
-12.5°	2200.3	2101.5	1998.0	1882.9	1762.2	1641.6	1524.4	1406.0	1289.5	1174.6	1061.7
-15°	2136.7	2042.2	1938.7	1829.9	1716.1	1600.5	1487.8	1370.2	1257.1	1145.2	1035.3
-17.5°	2066.6	1972.1	1869.8	1766.6	1660.0	1554.2	1442.6	1329.4	1220.5	1113.1	1006.0
-20°	1987.0	1894.0	1796.5	1698.6	1598.5	1498.0	1389.2	1283.2	1180.5	1076.8	974.3



REPORT NUMBER: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1897.4	1810.8	1719.4	1626.5	1531.9	1433.7	1332.1	1232.4	1136.9	1035.9	938.3
-25°	1800.2	1721.1	1636.3	1549.5	1459.5	1366.0	1270.8	1178.3	1086.0	992.0	898.5
-27.5°	1699.2	1625.9	1549.1	1467.8	1382.9	1295.2	1206.6	1119.2	1030.8	943.0	857.7
-30°	1595.4	1528.2	1457.6	1382.4	1302.9	1221.2	1138.8	1056.8	973.9	891.4	812.2
-32.5°	1489.5	1428.8	1363.6	1294.0	1220.7	1145.7	1069.5	992.2	914.5	839.4	764.6
-35°	1384.5	1328.5	1268.0	1204.4	1137.8	1068.8	998.0	926.5	855.4	785.1	714.8
-37.5°	1278.5	1227.4	1172.5	1114.3	1053.8	990.8	926.3	860.9	794.8	729.8	665.0
-40°	1175.1	1127.8	1077.2	1024.3	970.3	913.5	854.8	794.4	734.5	674.1	614.3
-42.5°	1074.1	1030.4	983.9	937.7	888.2	836.5	782.9	728.7	673.5	618.6	565.8
-45°	972.7	933.8	893.6	851.5	806.1	760.1	712.1	662.8	612.6	565.0	516.6
-47.5°	871.8	840.3	804.5	766.3	726.6	684.8	642.0	597.0	555.3	512.0	470.8
-50°	780.1	751.0	718.8	684.2	649.6	612.2	574.5	537.1	499.4	462.1	425.8
-52.5°	689.8	664.4	636.4	606.4	575.2	542.9	510.0	478.9	445.6	415.2	384.9
-55°	602.2	581.0	556.8	530.4	502.9	478.1	451.1	424.0	398.4	371.5	346.5
-57.5°	519.9	501.9	482.7	462.2	440.5	419.1	397.5	375.1	353.9	331.7	309.0
-60°	445.8	431.2	416.4	400.3	382.8	364.5	347.8	330.1	311.3	293.1	273.0
-62.5°	378.8	369.0	356.2	343.2	330.0	316.4	301.7	287.0	272.2	256.1	237.8
-65°	315.7	308.0	298.6	289.6	279.8	269.2	257.2	245.3	232.8	219.2	203.0
-67.5°	258.2	252.9	246.4	239.5	232.5	224.3	214.9	204.7	194.5	183.1	170.3
-70°	209.7	206.3	201.7	195.9	190.3	184.4	177.4	169.0	159.2	148.9	139.6
-72.5°	170.4	168.2	165.2	160.9	155.9	150.6	144.1	136.4	128.0	118.8	110.4
-75°	138.1	137.1	135.1	130.8	125.7	119.6	113.4	106.5	98.4	89.2	81.2
-77.5°	109.5	109.6	108.7	104.1	98.9	93.3	86.9	79.1	71.2	63.3	57.2
-80°	80.4	81.0	80.4	75.7	71.0	66.2	61.1	54.6	48.0	41.7	37.0
-82.5°	49.9	49.7	48.9	46.1	43.3	40.4	37.4	32.9	28.6	24.3	20.5
-85°	23.8	22.8	21.8	20.8	19.7	18.6	17.4	15.2	13.2	11.4	9.8
-87.5°	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0
-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: P626661 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-727-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°	3.0	3.0	3.0	3.0	2.7	2.3	2.1	1.8	1.6	1.4	1.3
85°	9.8	9.6	9.1	8.2	6.5	4.7	4.1	3.5	3.2	2.9	2.5
82.5°	20.5	20.7	20.7	20.0	17.7	15.2	12.6	10.0	7.4	4.7	3.8
80°	37.0	36.6	35.7	34.0	30.1	25.7	22.5	19.1	15.7	12.3	8.6
77.5°	56.0	54.4	52.4	50.2	46.1	41.2	35.6	29.3	24.0	19.8	15.3
75°	77.1	74.6	71.8	68.1	62.9	56.8	50.7	43.3	35.2	27.5	21.9
72.5°	103.7	97.5	92.0	86.8	81.1	74.3	66.6	57.1	47.2	37.8	29.1
70°	130.5	121.3	113.1	106.0	99.1	92.0	83.5	71.8	58.9	47.9	37.6
67.5°	157.8	146.9	135.9	125.3	116.6	108.3	100.0	86.5	71.7	57.8	45.9
65°	187.9	173.4	159.3	146.3	134.5	124.1	114.4	100.2	84.1	68.5	54.1
62.5°	219.0	200.4	183.8	167.1	152.4	139.8	128.1	112.5	96.0	78.8	62.5
60°	251.6	230.4	208.4	188.9	170.9	154.9	140.8	124.6	107.1	88.7	71.0
57.5°	286.0	261.1	236.3	211.7	190.0	170.9	153.1	136.0	118.0	98.5	78.8
55°	320.8	294.0	264.7	236.9	210.3	187.5	166.2	147.1	128.5	108.1	85.6
52.5°	355.6	326.2	294.7	262.7	232.9	204.3	180.5	157.8	138.2	117.6	92.7
50°	392.1	358.3	324.6	290.1	255.4	224.0	194.3	170.1	147.6	126.5	99.4
47.5°	430.0	392.4	354.9	317.2	280.0	242.9	210.5	182.1	156.6	134.6	105.6
45°	471.6	427.6	386.1	345.3	303.3	263.4	226.8	193.6	166.9	140.8	111.3
42.5°	513.1	464.8	418.4	373.0	327.6	283.7	242.4	207.2	176.8	146.8	116.6
40°	557.4	502.0	450.6	401.4	351.4	302.9	259.5	220.5	186.0	153.1	121.6
37.5°	600.4	540.3	483.8	428.5	374.7	323.8	276.1	232.9	194.8	160.1	126.3
35°	645.8	578.7	514.4	455.7	398.7	343.5	291.5	245.4	204.9	167.0	130.8
32.5°	689.7	616.3	547.3	482.6	421.6	362.1	307.4	258.6	214.6	173.6	134.9
30°	732.9	654.0	578.8	508.1	443.8	381.6	323.4	271.0	223.8	180.0	139.1
27.5°	772.8	688.8	609.0	534.4	465.6	400.1	338.5	282.4	232.6	186.6	144.0
25°	809.9	722.4	638.8	559.7	485.8	417.7	352.4	293.1	241.6	193.5	148.5
22.5°	844.7	753.7	665.8	583.1	504.6	433.8	365.9	304.4	250.0	199.8	152.6
20°	876.4	781.8	690.0	604.2	522.8	449.1	378.9	314.5	257.6	205.6	156.3
17.5°	904.9	807.4	713.1	624.0	539.8	462.8	390.4	323.4	264.3	210.7	159.6
15°	931.3	830.8	733.5	641.2	554.5	474.6	400.5	331.2	270.0	215.2	162.7
12.5°	954.0	850.8	750.8	655.9	566.9	484.7	409.0	337.6	274.7	219.2	165.7
10°	972.7	867.3	764.9	667.9	577.0	492.9	415.9	343.0	279.1	222.7	167.9
7.5°	987.3	880.3	775.8	677.2	584.9	499.7	421.8	347.7	282.7	225.4	169.5
5°	998.3	890.4	785.3	684.9	592.2	505.3	426.1	351.1	285.3	227.2	170.4
2.5°	1008.1	897.9	792.7	689.9	597.2	508.9	428.6	353.1	286.9	228.2	170.7
0°	1013.7	901.6	796.8	692.0	599.7	510.5	429.5	353.8	287.4	228.3	170.2
-2.5°	1008.1	897.9	792.7	689.9	597.2	508.9	428.6	353.1	286.9	228.2	170.7
-5°	998.3	890.4	785.3	684.9	592.2	505.3	426.1	351.1	285.3	227.2	170.4
-7.5°	987.3	880.3	775.8	677.2	584.9	499.7	421.8	347.7	282.7	225.4	169.5
-10°	972.7	867.3	764.9	667.9	577.0	492.9	415.9	343.0	279.1	222.7	167.9
-12.5°	954.0	850.8	750.8	655.9	566.9	484.7	409.0	337.6	274.7	219.2	165.7
-15°	931.3	830.8	733.5	641.2	554.5	474.6	400.5	331.2	270.0	215.2	162.7
-17.5°	904.9	807.4	713.1	624.0	539.8	462.8	390.4	323.4	264.3	210.7	159.6
-20°	876.4	781.8	690.0	604.2	522.8	449.1	378.9	314.5	257.6	205.6	156.3



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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°	844.7	753.7	665.8	583.1	504.6	433.8	365.9	304.4	250.0	199.8	152.6
-25°	809.9	722.4	638.8	559.7	485.8	417.7	352.4	293.1	241.6	193.5	148.5
-27.5°	772.8	688.8	609.0	534.4	465.6	400.1	338.5	282.4	232.6	186.6	144.0
-30°	732.9	654.0	578.8	508.1	443.8	381.6	323.4	271.0	223.8	180.0	139.1
-32.5°	689.7	616.3	547.3	482.6	421.6	362.1	307.4	258.6	214.6	173.6	134.9
-35°	645.8	578.7	514.4	455.7	398.7	343.5	291.5	245.4	204.9	167.0	130.8
-37.5°	600.4	540.3	483.8	428.5	374.7	323.8	276.1	232.9	194.8	160.1	126.3
-40°	557.4	502.0	450.6	401.4	351.4	302.9	259.5	220.5	186.0	153.1	121.6
-42.5°	513.1	464.8	418.4	373.0	327.6	283.7	242.4	207.2	176.8	146.8	116.6
-45°	471.6	427.6	386.1	345.3	303.3	263.4	226.8	193.6	166.9	140.8	111.3
-47.5°	430.0	392.4	354.9	317.2	280.0	242.9	210.5	182.1	156.6	134.6	105.6
-50°	392.1	358.3	324.6	290.1	255.4	224.0	194.3	170.1	147.6	126.5	99.4
-52.5°	355.6	326.2	294.7	262.7	232.9	204.3	180.5	157.8	138.2	117.6	92.7
-55°	320.8	294.0	264.7	236.9	210.3	187.5	166.2	147.1	128.5	108.1	85.6
-57.5°	286.0	261.1	236.3	211.7	190.0	170.9	153.1	136.0	118.0	98.5	78.8
-60°	251.6	230.4	208.4	188.9	170.9	154.9	140.8	124.6	107.1	88.7	71.0
-62.5°	219.0	200.4	183.8	167.1	152.4	139.8	128.1	112.5	96.0	78.8	62.5
-65°	187.9	173.4	159.3	146.3	134.5	124.1	114.4	100.2	84.1	68.5	54.1
-67.5°	157.8	146.9	135.9	125.3	116.6	108.3	100.0	86.5	71.7	57.8	45.9
-70°	130.5	121.3	113.1	106.0	99.1	92.0	83.5	71.8	58.9	47.9	37.6
-72.5°	103.7	97.5	92.0	86.8	81.1	74.3	66.6	57.1	47.2	37.8	29.1
-75°	77.1	74.6	71.8	68.1	62.9	56.8	50.7	43.3	35.2	27.5	21.9
-77.5°	56.0	54.4	52.4	50.2	46.1	41.2	35.6	29.3	24.0	19.8	15.3
-80°	37.0	36.6	35.7	34.0	30.1	25.7	22.5	19.1	15.7	12.3	8.6
-82.5°	20.5	20.7	20.7	20.0	17.7	15.2	12.6	10.0	7.4	4.7	3.8
-85°	9.8	9.6	9.1	8.2	6.5	4.7	4.1	3.5	3.2	2.9	2.5
-87.5°	3.0	3.0	3.0	3.0	2.7	2.3	2.1	1.8	1.6	1.4	1.3
-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):

	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°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
85°	2.2	1.8	1.5	1.1	0.7	0.3	0.0
82.5°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
80°	4.9	3.6	2.9	2.2	1.5	0.6	0.0
77.5°	10.6	5.7	3.6	2.7	1.8	0.8	0.0
75°	16.1	9.7	4.7	3.3	2.2	0.9	0.0
72.5°	21.5	13.7	7.5	3.8	2.5	1.1	0.0
70°	26.9	17.5	10.1	4.5	2.8	1.2	0.0
67.5°	33.3	21.2	12.7	6.2	3.1	1.4	0.0
65°	39.5	25.3	15.2	7.8	3.5	1.5	0.0
62.5°	45.4	29.8	17.5	9.3	3.8	1.7	0.0
60°	50.9	34.1	19.7	10.7	4.0	1.8	0.0
57.5°	56.7	38.1	22.6	12.1	4.9	1.9	0.0
55°	62.3	41.8	25.4	13.3	5.6	2.0	0.0
52.5°	67.4	45.3	27.9	14.5	6.4	2.2	0.0
50°	72.1	49.1	30.3	15.5	7.1	2.3	0.0
47.5°	76.4	52.5	32.5	16.7	7.8	2.4	0.0
45°	81.3	55.6	34.4	18.1	8.5	2.5	0.0
42.5°	85.8	58.4	36.2	19.4	9.1	2.6	0.0
40°	89.9	60.8	37.9	20.7	9.7	2.6	0.0
37.5°	93.5	62.8	39.6	22.0	10.2	2.7	0.0
35°	96.7	65.2	41.1	23.3	10.7	2.8	0.0
32.5°	99.6	67.6	42.3	24.4	11.2	2.9	0.0
30°	102.7	69.6	43.3	25.4	11.6	2.9	0.0
27.5°	105.5	71.3	44.8	26.4	12.0	3.0	0.0
25°	107.9	72.6	46.2	27.2	12.4	3.0	0.0
22.5°	110.0	73.9	47.4	27.9	12.7	3.1	0.0
20°	111.7	75.8	48.5	28.6	12.9	3.1	0.0
17.5°	113.9	77.3	49.4	29.1	13.1	3.1	0.0
15°	116.1	78.4	50.1	29.6	13.3	3.1	0.0
12.5°	118.0	79.3	50.6	29.9	13.5	3.1	0.0
10°	119.4	79.8	51.0	30.1	13.5	3.1	0.0
7.5°	120.3	80.0	51.2	30.3	13.6	3.1	0.0
5°	120.8	79.9	51.2	30.3	13.6	3.1	0.0
2.5°	120.8	79.6	51.1	30.3	13.6	3.1	0.0
0°	120.4	78.9	50.8	30.1	13.5	3.1	0.0
-2.5°	120.8	79.6	51.1	30.3	13.6	3.1	0.0
-5°	120.8	79.9	51.2	30.3	13.6	3.1	0.0
-7.5°	120.3	80.0	51.2	30.3	13.6	3.1	0.0
-10°	119.4	79.8	51.0	30.1	13.5	3.1	0.0
-12.5°	118.0	79.3	50.6	29.9	13.5	3.1	0.0
-15°	116.1	78.4	50.1	29.6	13.3	3.1	0.0
-17.5°	113.9	77.3	49.4	29.1	13.1	3.1	0.0
-20°	111.7	75.8	48.5	28.6	12.9	3.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	110.0	73.9	47.4	27.9	12.7	3.1	0.0
-25°	107.9	72.6	46.2	27.2	12.4	3.0	0.0
-27.5°	105.5	71.3	44.8	26.4	12.0	3.0	0.0
-30°	102.7	69.6	43.3	25.4	11.6	2.9	0.0
-32.5°	99.6	67.6	42.3	24.4	11.2	2.9	0.0
-35°	96.7	65.2	41.1	23.3	10.7	2.8	0.0
-37.5°	93.5	62.8	39.6	22.0	10.2	2.7	0.0
-40°	89.9	60.8	37.9	20.7	9.7	2.6	0.0
-42.5°	85.8	58.4	36.2	19.4	9.1	2.6	0.0
-45°	81.3	55.6	34.4	18.1	8.5	2.5	0.0
-47.5°	76.4	52.5	32.5	16.7	7.8	2.4	0.0
-50°	72.1	49.1	30.3	15.5	7.1	2.3	0.0
-52.5°	67.4	45.3	27.9	14.5	6.4	2.2	0.0
-55°	62.3	41.8	25.4	13.3	5.6	2.0	0.0
-57.5°	56.7	38.1	22.6	12.1	4.9	1.9	0.0
-60°	50.9	34.1	19.7	10.7	4.0	1.8	0.0
-62.5°	45.4	29.8	17.5	9.3	3.8	1.7	0.0
-65°	39.5	25.3	15.2	7.8	3.5	1.5	0.0
-67.5°	33.3	21.2	12.7	6.2	3.1	1.4	0.0
-70°	26.9	17.5	10.1	4.5	2.8	1.2	0.0
-72.5°	21.5	13.7	7.5	3.8	2.5	1.1	0.0
-75°	16.1	9.7	4.7	3.3	2.2	0.9	0.0
-77.5°	10.6	5.7	3.6	2.7	1.8	0.8	0.0
-80°	4.9	3.6	2.9	2.2	1.5	0.6	0.0
-82.5°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
-85°	2.2	1.8	1.5	1.1	0.7	0.3	0.0
-87.5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)