

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: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-722-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627011 (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-SA2E-722-U-VWR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N40
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

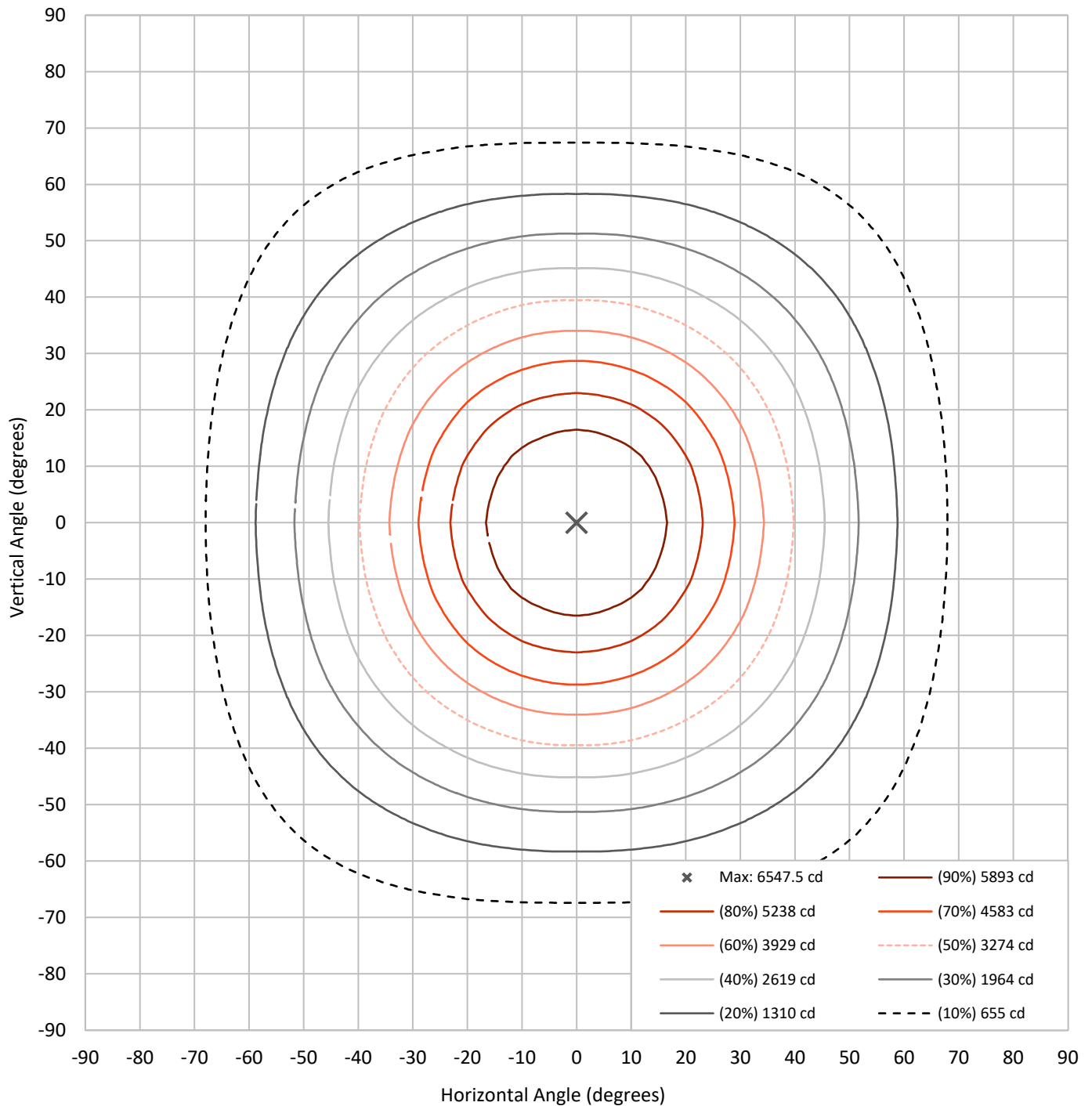
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11834.1 lumens	Max Intensity:	6547.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	6940.8 lumens	Field Lumens:	11281.8 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	125.7		
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





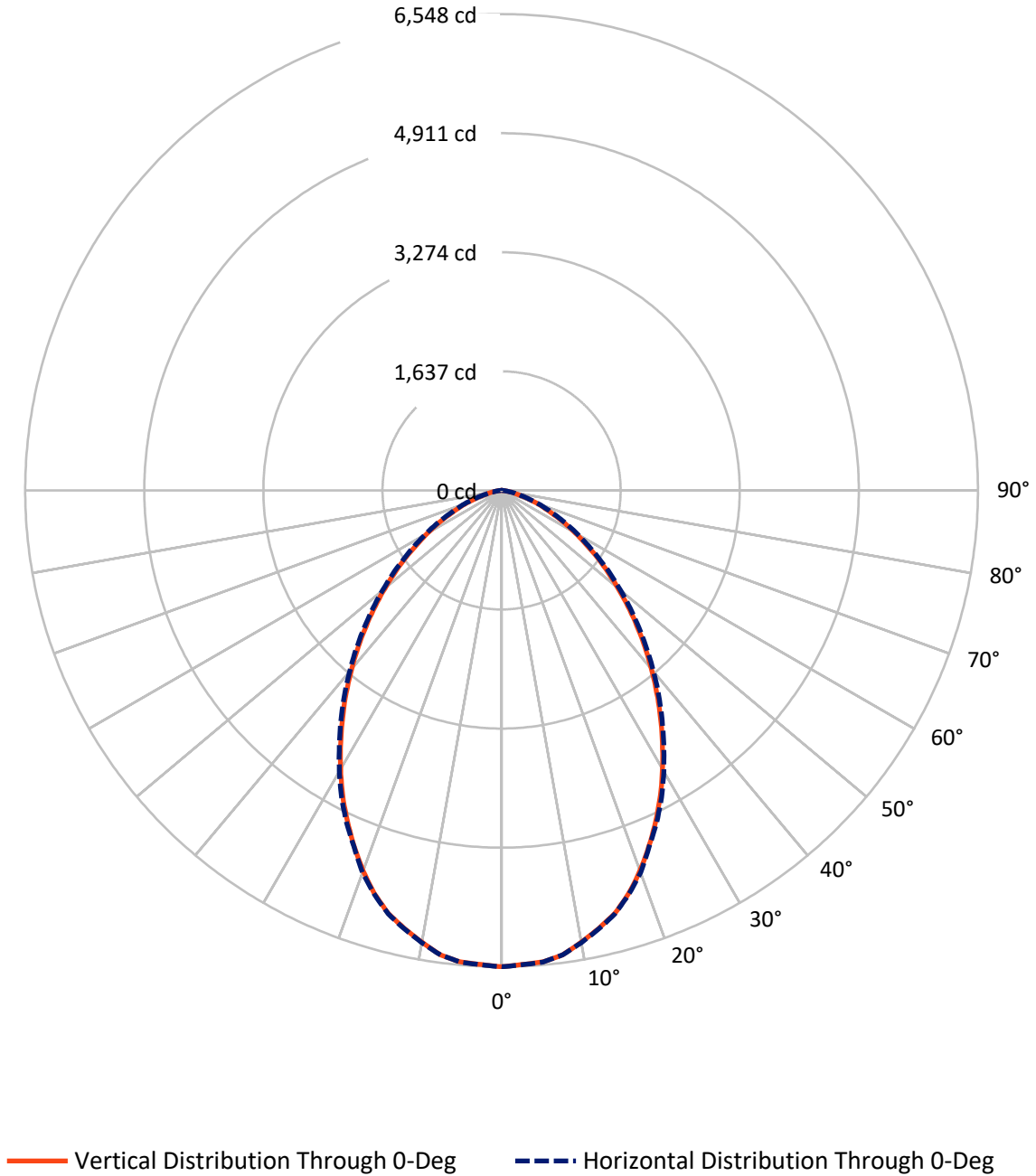
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Lumen Table

90																			
80	0.4	4.8	13.2	22.4	21.1	22.4	13.2	4.8	0.4										
70																			
60	2.2	3.0	6.1	10.4	15.3	19.7	23.1	24.7	24.7	23.1	19.7	15.3	10.4	6.1	3.0	2.2			
50																			
40	3.9	4.6	9.9	17.8	26.9	36.5	44.5	48.6	48.6	44.5	36.5	26.9	17.8	9.9	4.6	3.9			
30																			
20	5.0	6.1	14.4	26.6	42.1	58.3	72.0	79.4	79.4	72.0	58.3	42.1	26.6	14.4	6.1	5.0			
10																			
0	5.4	7.7	19.1	36.6	58.9	82.6	102.8	114.3	114.3	102.8	82.6	58.9	36.6	19.1	7.7	5.4			
-10																			
-20	5.0	9.3	23.5	46.0	75.0	106.5	133.9	149.7	149.7	133.9	106.5	75.0	46.0	23.5	9.3	5.0			
-30																			
-40	3.9	10.4	26.8	53.0	87.6	125.9	159.6	178.8	178.8	159.6	125.9	87.6	53.0	26.8	10.4	3.9			
-50																			
-60	2.2	11.1	28.7	57.0	94.6	136.6	173.5	193.7	193.7	173.5	136.6	94.6	57.0	28.7	11.1	2.2			
-70																			
-80	0.4	11.1	28.7	57.0	94.6	136.6	173.5	193.7	193.7	173.5	136.6	94.6	57.0	28.7	11.1	0.4			
-90																			

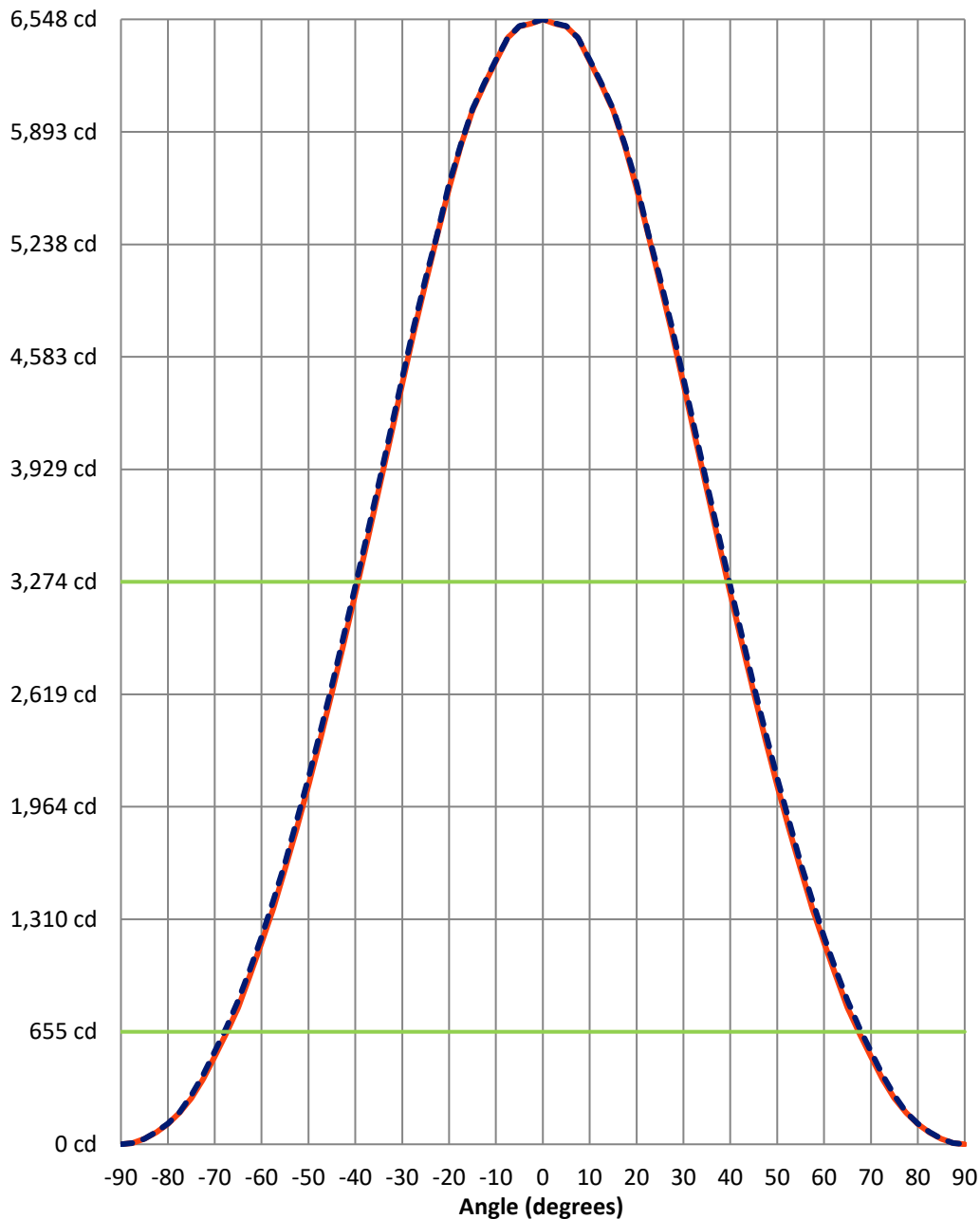
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 6940.8
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 11281.8
 Efficiency: 95.3%

Spill:
 Lumens: 552.3
 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	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.4	3.7	4.1
85°	0.0	0.7	1.7	2.6	3.4	4.2	5.1	5.9	6.7	7.5	8.3
82.5°	0.0	1.1	2.5	3.8	5.1	6.3	7.6	8.8	11.0	17.4	23.5
80°	0.0	1.5	3.4	5.1	6.8	8.4	11.4	20.3	28.9	37.2	45.1
77.5°	0.0	1.9	4.2	6.3	8.4	13.2	24.9	36.2	46.7	56.9	69.5
75°	0.0	2.2	5.0	7.6	11.0	22.9	38.1	51.9	65.1	83.2	102.5
72.5°	0.0	2.6	5.8	8.8	17.5	32.3	50.8	68.7	89.5	111.6	135.0
70°	0.0	2.9	6.6	10.6	23.9	41.4	63.5	88.9	113.3	139.4	169.8
67.5°	0.0	3.3	7.4	14.5	30.0	50.1	78.8	108.7	136.7	169.6	204.5
65°	0.0	3.6	8.1	18.2	35.8	59.8	93.5	127.9	161.9	198.9	236.9
62.5°	0.0	3.9	8.8	21.8	41.3	70.5	107.3	147.9	186.3	226.9	266.0
60°	0.0	4.2	9.5	25.2	46.5	80.6	120.4	167.9	209.8	253.2	294.6
57.5°	0.0	4.5	11.4	28.4	53.4	90.0	134.2	186.5	233.0	278.9	321.7
55°	0.0	4.8	13.2	31.4	59.9	98.8	147.3	202.5	255.7	303.8	347.8
52.5°	0.0	5.1	15.0	34.2	66.0	107.2	159.4	219.2	278.0	326.8	373.2
50°	0.0	5.3	16.8	36.7	71.7	116.1	170.4	235.0	299.1	349.0	402.3
47.5°	0.0	5.6	18.4	39.3	76.8	124.2	180.8	249.7	318.2	370.5	430.8
45°	0.0	5.8	20.0	42.7	81.4	131.5	192.3	263.3	333.1	394.9	458.1
42.5°	0.0	6.1	21.4	45.8	85.5	138.0	202.9	275.8	347.3	418.2	490.2
40°	0.0	6.3	22.8	48.9	89.6	143.7	212.5	287.6	362.1	440.0	521.4
37.5°	0.0	6.4	24.1	52.1	93.7	148.6	221.1	298.8	378.8	460.8	550.8
35°	0.0	6.6	25.3	55.0	97.2	154.2	228.7	309.4	395.0	484.6	580.3
32.5°	0.0	6.8	26.4	57.6	100.1	159.8	235.7	319.2	410.7	507.5	611.6
30°	0.0	6.9	27.4	60.1	102.5	164.6	243.0	329.1	425.9	529.4	640.9
27.5°	0.0	7.1	28.4	62.3	106.0	168.5	249.5	340.6	441.5	550.2	668.0
25°	0.0	7.2	29.2	64.3	109.3	171.7	255.3	351.3	457.7	571.4	693.2
22.5°	0.0	7.3	29.9	66.1	112.2	174.9	260.2	361.0	472.7	591.4	719.9
20°	0.0	7.3	30.5	67.6	114.7	179.2	264.3	369.8	486.3	609.3	743.9
17.5°	0.0	7.4	31.0	68.9	116.8	182.7	269.4	377.5	498.4	625.1	765.0
15°	0.0	7.4	31.5	69.9	118.5	185.5	274.7	384.9	509.0	638.5	783.2
12.5°	0.0	7.5	31.8	70.7	119.8	187.5	279.0	391.9	518.5	649.7	798.5
10°	0.0	7.5	32.0	71.3	120.7	188.7	282.3	397.2	526.7	660.2	811.4
7.5°	0.0	7.5	32.1	71.6	121.2	189.2	284.5	401.0	533.0	668.7	822.5
5°	0.0	7.5	32.1	71.7	121.3	189.0	285.7	403.1	537.4	674.8	830.4
2.5°	0.0	7.4	32.1	71.6	121.0	188.1	285.8	403.6	539.7	678.5	835.2
0°	0.0	7.4	31.9	71.2	120.3	186.5	284.7	402.5	539.9	679.8	836.8
-2.5°	0.0	7.4	32.1	71.6	121.0	188.1	285.8	403.6	539.7	678.5	835.2
-5°	0.0	7.5	32.1	71.7	121.3	189.0	285.7	403.1	537.4	674.8	830.4
-7.5°	0.0	7.5	32.1	71.6	121.2	189.2	284.5	401.0	533.0	668.7	822.5
-10°	0.0	7.5	32.0	71.3	120.7	188.7	282.3	397.2	526.7	660.2	811.4
-12.5°	0.0	7.5	31.8	70.7	119.8	187.5	279.0	391.9	518.5	649.7	798.5
-15°	0.0	7.4	31.5	69.9	118.5	185.5	274.7	384.9	509.0	638.5	783.2
-17.5°	0.0	7.4	31.0	68.9	116.8	182.7	269.4	377.5	498.4	625.1	765.0
-20°	0.0	7.3	30.5	67.6	114.7	179.2	264.3	369.8	486.3	609.3	743.9

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	7.3	29.9	66.1	112.2	174.9	260.2	361.0	472.7	591.4	719.9
-25°	0.0	7.2	29.2	64.3	109.3	171.7	255.3	351.3	457.7	571.4	693.2
-27.5°	0.0	7.1	28.4	62.3	106.0	168.5	249.5	340.6	441.5	550.2	668.0
-30°	0.0	6.9	27.4	60.1	102.5	164.6	243.0	329.1	425.9	529.4	640.9
-32.5°	0.0	6.8	26.4	57.6	100.1	159.8	235.7	319.2	410.7	507.5	611.6
-35°	0.0	6.6	25.3	55.0	97.2	154.2	228.7	309.4	395.0	484.6	580.3
-37.5°	0.0	6.4	24.1	52.1	93.7	148.6	221.1	298.8	378.8	460.8	550.8
-40°	0.0	6.3	22.8	48.9	89.6	143.7	212.5	287.6	362.1	440.0	521.4
-42.5°	0.0	6.1	21.4	45.8	85.5	138.0	202.9	275.8	347.3	418.2	490.2
-45°	0.0	5.8	20.0	42.7	81.4	131.5	192.3	263.3	333.1	394.9	458.1
-47.5°	0.0	5.6	18.4	39.3	76.8	124.2	180.8	249.7	318.2	370.5	430.8
-50°	0.0	5.3	16.8	36.7	71.7	116.1	170.4	235.0	299.1	349.0	402.3
-52.5°	0.0	5.1	15.0	34.2	66.0	107.2	159.4	219.2	278.0	326.8	373.2
-55°	0.0	4.8	13.2	31.4	59.9	98.8	147.3	202.5	255.7	303.8	347.8
-57.5°	0.0	4.5	11.4	28.4	53.4	90.0	134.2	186.5	233.0	278.9	321.7
-60°	0.0	4.2	9.5	25.2	46.5	80.6	120.4	167.9	209.8	253.2	294.6
-62.5°	0.0	3.9	8.8	21.8	41.3	70.5	107.3	147.9	186.3	226.9	266.0
-65°	0.0	3.6	8.1	18.2	35.8	59.8	93.5	127.9	161.9	198.9	236.9
-67.5°	0.0	3.3	7.4	14.5	30.0	50.1	78.8	108.7	136.7	169.6	204.5
-70°	0.0	2.9	6.6	10.6	23.9	41.4	63.5	88.9	113.3	139.4	169.8
-72.5°	0.0	2.6	5.8	8.8	17.5	32.3	50.8	68.7	89.5	111.6	135.0
-75°	0.0	2.2	5.0	7.6	11.0	22.9	38.1	51.9	65.1	83.2	102.5
-77.5°	0.0	1.9	4.2	6.3	8.4	13.2	24.9	36.2	46.7	56.9	69.5
-80°	0.0	1.5	3.4	5.1	6.8	8.4	11.4	20.3	28.9	37.2	45.1
-82.5°	0.0	1.1	2.5	3.8	5.1	6.3	7.6	8.8	11.0	17.4	23.5
-85°	0.0	0.7	1.7	2.6	3.4	4.2	5.1	5.9	6.7	7.5	8.3
-87.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.4	3.7	4.1
-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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 CATALOG NUMBER: GFLD-SA2E-722-U-VWR-XX

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°	4.8	5.5	6.3	7.0	7.1	7.1	7.0	6.9	7.2	7.5	7.8
85°	9.6	11.0	15.3	19.5	21.4	22.7	23.2	23.1	26.9	31.2	35.9
82.5°	29.9	36.0	41.9	47.5	48.9	49.0	48.5	48.6	57.4	67.6	77.9
80°	53.2	61.0	71.4	80.5	84.5	86.6	87.5	87.3	98.5	113.4	129.1
77.5°	84.4	97.5	108.9	118.6	123.9	128.5	132.3	135.2	149.6	168.4	187.0
75°	119.9	134.3	148.6	161.1	169.8	176.3	182.4	192.1	210.9	232.8	251.9
72.5°	157.3	175.7	191.7	205.3	217.6	230.6	245.1	261.1	280.9	302.8	322.8
70°	197.4	217.6	234.4	250.7	267.4	286.9	308.7	330.2	352.3	376.5	399.8
67.5°	236.5	256.1	275.8	296.4	321.4	347.5	373.3	402.9	433.3	460.1	484.2
65°	270.6	293.5	318.1	346.1	377.0	410.1	444.6	480.1	518.6	550.9	580.3
62.5°	303.1	330.6	360.5	395.4	434.8	474.0	518.0	562.5	605.8	643.8	678.9
60°	333.0	366.3	404.2	446.9	492.9	545.1	595.2	645.8	693.3	736.3	780.7
57.5°	362.1	404.1	449.5	500.8	558.9	617.5	676.4	730.8	784.6	837.0	887.2
55°	392.9	443.5	497.5	560.5	626.0	695.3	758.7	819.5	878.7	942.3	1002.8
52.5°	426.9	483.3	551.0	621.4	697.1	771.5	841.1	910.4	982.0	1054.0	1132.7
50°	459.6	530.0	604.1	686.0	767.8	847.5	927.4	1007.1	1092.9	1181.2	1270.5
47.5°	497.9	574.7	662.3	750.1	839.4	928.1	1017.1	1113.5	1210.9	1313.4	1412.1
45°	536.6	622.9	717.3	816.6	913.2	1011.4	1115.5	1222.0	1336.3	1449.0	1567.7
42.5°	573.2	670.9	774.9	882.1	989.5	1099.3	1213.7	1338.2	1463.1	1593.1	1723.5
40°	613.9	716.5	831.2	949.3	1065.8	1187.5	1318.3	1453.1	1594.5	1737.3	1879.0
37.5°	652.9	765.7	886.3	1013.4	1144.2	1277.9	1420.0	1573.0	1726.3	1880.0	2036.3
35°	689.5	812.4	943.0	1078.0	1216.7	1368.8	1527.6	1690.9	1856.9	2023.2	2191.3
32.5°	727.2	856.4	997.2	1141.7	1294.6	1457.6	1631.5	1808.5	1985.4	2162.9	2346.9
30°	764.9	902.6	1049.7	1201.9	1369.1	1546.8	1733.7	1921.2	2108.2	2303.6	2499.7
27.5°	800.5	946.5	1101.3	1264.1	1440.6	1629.4	1827.8	2028.7	2230.4	2438.1	2647.3
25°	833.3	988.0	1149.2	1324.0	1511.0	1708.8	1915.6	2125.1	2346.4	2568.7	2787.0
22.5°	865.3	1026.1	1193.5	1379.2	1574.9	1782.6	1997.9	2219.2	2450.4	2689.1	2915.1
20°	896.1	1062.4	1236.6	1429.2	1632.1	1849.0	2072.7	2304.5	2547.0	2792.1	3035.2
17.5°	923.5	1094.6	1276.8	1475.9	1686.7	1909.7	2140.1	2379.5	2632.8	2886.9	3144.4
15°	947.3	1122.7	1311.6	1516.7	1734.9	1964.9	2202.7	2448.9	2708.7	2973.2	3241.0
12.5°	967.4	1146.5	1340.9	1551.4	1775.8	2012.3	2256.5	2511.3	2778.1	3050.1	3325.6
10°	983.8	1165.9	1364.6	1579.8	1809.2	2051.4	2300.8	2562.7	2837.6	3115.4	3396.8
7.5°	997.7	1182.0	1383.4	1601.6	1835.0	2082.0	2335.3	2602.8	2884.9	3166.4	3453.9
5°	1007.9	1195.1	1400.7	1619.9	1857.4	2106.0	2361.4	2631.4	2919.6	3202.7	3495.4
2.5°	1014.0	1203.6	1412.5	1631.8	1875.0	2123.9	2384.6	2656.7	2945.0	3231.5	3526.6
0°	1016.0	1207.4	1418.5	1636.9	1884.7	2132.6	2397.7	2670.1	2957.2	3249.2	3546.2
-2.5°	1014.0	1203.6	1412.5	1631.8	1875.0	2123.9	2384.6	2656.7	2945.0	3231.5	3526.6
-5°	1007.9	1195.1	1400.7	1619.9	1857.4	2106.0	2361.4	2631.4	2919.6	3202.7	3495.4
-7.5°	997.7	1182.0	1383.4	1601.6	1835.0	2082.0	2335.3	2602.8	2884.9	3166.4	3453.9
-10°	983.8	1165.9	1364.6	1579.8	1809.2	2051.4	2300.8	2562.7	2837.6	3115.4	3396.8
-12.5°	967.4	1146.5	1340.9	1551.4	1775.8	2012.3	2256.5	2511.3	2778.1	3050.1	3325.6
-15°	947.3	1122.7	1311.6	1516.7	1734.9	1964.9	2202.7	2448.9	2708.7	2973.2	3241.0
-17.5°	923.5	1094.6	1276.8	1475.9	1686.7	1909.7	2140.1	2379.5	2632.8	2886.9	3144.4
-20°	896.1	1062.4	1236.6	1429.2	1632.1	1849.0	2072.7	2304.5	2547.0	2792.1	3035.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-722-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°	865.3	1026.1	1193.5	1379.2	1574.9	1782.6	1997.9	2219.2	2450.4	2689.1	2915.1
-25°	833.3	988.0	1149.2	1324.0	1511.0	1708.8	1915.6	2125.1	2346.4	2568.7	2787.0
-27.5°	800.5	946.5	1101.3	1264.1	1440.6	1629.4	1827.8	2028.7	2230.4	2438.1	2647.3
-30°	764.9	902.6	1049.7	1201.9	1369.1	1546.8	1733.7	1921.2	2108.2	2303.6	2499.7
-32.5°	727.2	856.4	997.2	1141.7	1294.6	1457.6	1631.5	1808.5	1985.4	2162.9	2346.9
-35°	689.5	812.4	943.0	1078.0	1216.7	1368.8	1527.6	1690.9	1856.9	2023.2	2191.3
-37.5°	652.9	765.7	886.3	1013.4	1144.2	1277.9	1420.0	1573.0	1726.3	1880.0	2036.3
-40°	613.9	716.5	831.2	949.3	1065.8	1187.5	1318.3	1453.1	1594.5	1737.3	1879.0
-42.5°	573.2	670.9	774.9	882.1	989.5	1099.3	1213.7	1338.2	1463.1	1593.1	1723.5
-45°	536.6	622.9	717.3	816.6	913.2	1011.4	1115.5	1222.0	1336.3	1449.0	1567.7
-47.5°	497.9	574.7	662.3	750.1	839.4	928.1	1017.1	1113.5	1210.9	1313.4	1412.1
-50°	459.6	530.0	604.1	686.0	767.8	847.5	927.4	1007.1	1092.9	1181.2	1270.5
-52.5°	426.9	483.3	551.0	621.4	697.1	771.5	841.1	910.4	982.0	1054.0	1132.7
-55°	392.9	443.5	497.5	560.5	626.0	695.3	758.7	819.5	878.7	942.3	1002.8
-57.5°	362.1	404.1	449.5	500.8	558.9	617.5	676.4	730.8	784.6	837.0	887.2
-60°	333.0	366.3	404.2	446.9	492.9	545.1	595.2	645.8	693.3	736.3	780.7
-62.5°	303.1	330.6	360.5	395.4	434.8	474.0	518.0	562.5	605.8	643.8	678.9
-65°	270.6	293.5	318.1	346.1	377.0	410.1	444.6	480.1	518.6	550.9	580.3
-67.5°	236.5	256.1	275.8	296.4	321.4	347.5	373.3	402.9	433.3	460.1	484.2
-70°	197.4	217.6	234.4	250.7	267.4	286.9	308.7	330.2	352.3	376.5	399.8
-72.5°	157.3	175.7	191.7	205.3	217.6	230.6	245.1	261.1	280.9	302.8	322.8
-75°	119.9	134.3	148.6	161.1	169.8	176.3	182.4	192.1	210.9	232.8	251.9
-77.5°	84.4	97.5	108.9	118.6	123.9	128.5	132.3	135.2	149.6	168.4	187.0
-80°	53.2	61.0	71.4	80.5	84.5	86.6	87.5	87.3	98.5	113.4	129.1
-82.5°	29.9	36.0	41.9	47.5	48.9	49.0	48.5	48.6	57.4	67.6	77.9
-85°	9.6	11.0	15.3	19.5	21.4	22.7	23.2	23.1	26.9	31.2	35.9
-87.5°	4.8	5.5	6.3	7.0	7.1	7.1	7.0	6.9	7.2	7.5	7.8
-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: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-722-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°	8.0	8.3	8.5	8.7	8.9	9.1	9.2	9.3	9.5	9.0	8.5
85°	41.0	43.9	46.6	49.2	51.7	54.0	56.2	58.2	60.1	54.9	49.1
82.5°	88.5	95.6	102.4	109.1	115.8	117.5	118.0	117.7	116.8	107.7	97.5
80°	144.5	156.5	167.9	179.1	190.2	191.5	190.2	187.9	184.7	172.7	159.1
77.5°	205.6	220.7	234.0	246.1	257.2	259.3	259.0	258.5	257.6	245.3	230.5
75°	268.2	283.1	297.4	309.5	319.7	324.3	326.6	328.2	329.1	320.3	308.8
72.5°	340.9	356.3	368.9	380.7	390.7	397.9	403.1	407.0	409.7	407.0	402.3
70°	419.7	436.2	450.1	463.5	477.0	487.8	496.0	502.0	505.7	508.2	509.9
67.5°	508.4	530.6	550.0	566.5	582.9	598.2	610.8	621.1	629.1	635.9	641.1
65°	608.4	636.8	661.9	685.0	706.2	728.4	746.7	762.0	774.4	784.6	792.7
62.5°	713.5	748.3	780.6	811.9	842.6	872.8	896.0	917.2	935.9	952.1	964.9
60°	822.7	862.2	905.5	946.9	985.0	1019.7	1054.3	1084.2	1109.8	1131.0	1148.2
57.5°	940.1	991.3	1041.9	1093.3	1141.9	1187.3	1229.8	1267.3	1299.0	1325.0	1346.9
55°	1066.9	1131.0	1189.7	1254.5	1317.1	1374.1	1424.3	1468.4	1506.6	1538.5	1565.7
52.5°	1206.4	1284.1	1360.5	1434.2	1505.3	1571.4	1631.5	1682.9	1728.6	1767.8	1799.0
50°	1359.0	1447.9	1536.4	1618.4	1700.1	1776.3	1845.2	1904.8	1958.0	2004.0	2040.2
47.5°	1518.5	1619.8	1718.6	1812.5	1902.9	1987.6	2062.2	2130.1	2196.4	2250.5	2293.2
45°	1684.2	1797.8	1906.8	2014.2	2113.8	2208.7	2300.7	2385.3	2453.4	2512.9	2562.9
42.5°	1851.9	1978.6	2100.7	2217.8	2327.3	2437.1	2540.6	2633.1	2710.7	2778.4	2835.3
40°	2021.8	2160.6	2295.0	2422.7	2547.8	2667.5	2779.5	2877.1	2964.6	3045.0	3112.0
37.5°	2190.9	2343.5	2492.5	2635.5	2773.3	2903.0	3024.0	3134.2	3233.0	3324.6	3399.0
35°	2360.7	2528.1	2691.2	2848.6	2999.1	3142.3	3274.7	3400.1	3516.5	3609.3	3685.4
32.5°	2529.8	2709.8	2887.3	3060.6	3225.4	3379.6	3523.1	3661.7	3781.4	3883.4	3971.0
30°	2693.4	2888.5	3081.7	3269.7	3447.6	3614.8	3773.7	3920.3	4049.0	4160.6	4258.7
27.5°	2854.0	3063.5	3270.9	3471.7	3664.1	3845.7	4019.2	4178.1	4318.6	4439.9	4543.4
25°	3005.8	3231.0	3452.1	3664.9	3870.4	4070.8	4258.1	4431.5	4581.6	4714.7	4821.0
22.5°	3150.8	3391.0	3623.3	3847.1	4067.0	4283.0	4488.0	4669.1	4828.1	4967.3	5085.0
20°	3285.9	3543.3	3780.9	4017.7	4249.3	4479.9	4700.0	4891.1	5059.4	5207.5	5337.3
17.5°	3412.2	3676.2	3926.4	4178.5	4422.6	4664.5	4888.1	5093.0	5274.5	5431.8	5567.8
15°	3519.2	3785.7	4059.0	4328.2	4585.5	4830.6	5054.0	5267.9	5469.5	5639.6	5777.4
12.5°	3605.7	3883.0	4168.0	4453.8	4726.0	4970.6	5204.5	5421.5	5633.2	5824.3	5951.1
10°	3679.5	3965.0	4259.3	4550.7	4826.5	5085.4	5339.7	5569.1	5777.2	5948.3	6089.8
7.5°	3743.3	4037.4	4336.3	4628.2	4903.1	5170.6	5432.3	5676.0	5886.0	6047.3	6173.4
5°	3790.4	4091.4	4396.1	4690.6	4969.4	5237.7	5500.7	5741.3	5946.4	6110.4	6248.0
2.5°	3824.0	4127.9	4434.7	4729.7	5014.6	5283.7	5553.2	5796.5	5995.1	6145.4	6277.1
0°	3845.6	4149.9	4459.1	4760.9	5040.7	5300.8	5590.4	5818.7	6024.8	6174.5	6311.9
-2.5°	3824.0	4127.9	4434.7	4729.7	5014.6	5283.7	5553.2	5796.5	5995.1	6145.4	6277.1
-5°	3790.4	4091.4	4396.1	4690.6	4969.4	5237.7	5500.7	5741.3	5946.4	6110.4	6248.0
-7.5°	3743.3	4037.4	4336.3	4628.2	4903.1	5170.6	5432.3	5676.0	5886.0	6047.3	6173.4
-10°	3679.5	3965.0	4259.3	4550.7	4826.5	5085.4	5339.7	5569.1	5777.2	5948.3	6089.8
-12.5°	3605.7	3883.0	4168.0	4453.8	4726.0	4970.6	5204.5	5421.5	5633.2	5824.3	5951.1
-15°	3519.2	3785.7	4059.0	4328.2	4585.5	4830.6	5054.0	5267.9	5469.5	5639.6	5777.4
-17.5°	3412.2	3676.2	3926.4	4178.5	4422.6	4664.5	4888.1	5093.0	5274.5	5431.8	5567.8
-20°	3285.9	3543.3	3780.9	4017.7	4249.3	4479.9	4700.0	4891.1	5059.4	5207.5	5337.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3150.8	3391.0	3623.3	3847.1	4067.0	4283.0	4488.0	4669.1	4828.1	4967.3	5085.0
-25°	3005.8	3231.0	3452.1	3664.9	3870.4	4070.8	4258.1	4431.5	4581.6	4714.7	4821.0
-27.5°	2854.0	3063.5	3270.9	3471.7	3664.1	3845.7	4019.2	4178.1	4318.6	4439.9	4543.4
-30°	2693.4	2888.5	3081.7	3269.7	3447.6	3614.8	3773.7	3920.3	4049.0	4160.6	4258.7
-32.5°	2529.8	2709.8	2887.3	3060.6	3225.4	3379.6	3523.1	3661.7	3781.4	3883.4	3971.0
-35°	2360.7	2528.1	2691.2	2848.6	2999.1	3142.3	3274.7	3400.1	3516.5	3609.3	3685.4
-37.5°	2190.9	2343.5	2492.5	2635.5	2773.3	2903.0	3024.0	3134.2	3233.0	3324.6	3399.0
-40°	2021.8	2160.6	2295.0	2422.7	2547.8	2667.5	2779.5	2877.1	2964.6	3045.0	3112.0
-42.5°	1851.9	1978.6	2100.7	2217.8	2327.3	2437.1	2540.6	2633.1	2710.7	2778.4	2835.3
-45°	1684.2	1797.8	1906.8	2014.2	2113.8	2208.7	2300.7	2385.3	2453.4	2512.9	2562.9
-47.5°	1518.5	1619.8	1718.6	1812.5	1902.9	1987.6	2062.2	2130.1	2196.4	2250.5	2293.2
-50°	1359.0	1447.9	1536.4	1618.4	1700.1	1776.3	1845.2	1904.8	1958.0	2004.0	2040.2
-52.5°	1206.4	1284.1	1360.5	1434.2	1505.3	1571.4	1631.5	1682.9	1728.6	1767.8	1799.0
-55°	1066.9	1131.0	1189.7	1254.5	1317.1	1374.1	1424.3	1468.4	1506.6	1538.5	1565.7
-57.5°	940.1	991.3	1041.9	1093.3	1141.9	1187.3	1229.8	1267.3	1299.0	1325.0	1346.9
-60°	822.7	862.2	905.5	946.9	985.0	1019.7	1054.3	1084.2	1109.8	1131.0	1148.2
-62.5°	713.5	748.3	780.6	811.9	842.6	872.8	896.0	917.2	935.9	952.1	964.9
-65°	608.4	636.8	661.9	685.0	706.2	728.4	746.7	762.0	774.4	784.6	792.7
-67.5°	508.4	530.6	550.0	566.5	582.9	598.2	610.8	621.1	629.1	635.9	641.1
-70°	419.7	436.2	450.1	463.5	477.0	487.8	496.0	502.0	505.7	508.2	509.9
-72.5°	340.9	356.3	368.9	380.7	390.7	397.9	403.1	407.0	409.7	407.0	402.3
-75°	268.2	283.1	297.4	309.5	319.7	324.3	326.6	328.2	329.1	320.3	308.8
-77.5°	205.6	220.7	234.0	246.1	257.2	259.3	259.0	258.5	257.6	245.3	230.5
-80°	144.5	156.5	167.9	179.1	190.2	191.5	190.2	187.9	184.7	172.7	159.1
-82.5°	88.5	95.6	102.4	109.1	115.8	117.5	118.0	117.7	116.8	107.7	97.5
-85°	41.0	43.9	46.6	49.2	51.7	54.0	56.2	58.2	60.1	54.9	49.1
-87.5°	8.0	8.3	8.5	8.7	8.9	9.1	9.2	9.3	9.5	9.0	8.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-722-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°	7.9	7.4	7.4	7.4	7.4	7.4	7.9	8.5	9.0	9.5	9.3
85°	43.0	36.6	34.3	31.9	34.3	36.6	43.0	49.1	54.9	60.1	58.2
82.5°	86.9	75.8	72.3	68.7	72.3	75.8	86.9	97.5	107.7	116.8	117.7
80°	144.8	129.8	123.8	117.8	123.8	129.8	144.8	159.1	172.7	184.7	187.9
77.5°	214.8	198.3	191.3	184.1	191.3	198.3	214.8	230.5	245.3	257.6	258.5
75°	296.6	283.7	275.9	267.5	275.9	283.7	296.6	308.8	320.3	329.1	328.2
72.5°	396.9	390.6	384.9	377.9	384.9	390.6	396.9	402.3	407.0	409.7	407.0
70°	510.5	509.7	510.8	510.5	510.8	509.7	510.5	509.9	508.2	505.7	502.0
67.5°	643.8	643.9	646.7	647.9	646.7	643.9	643.8	641.1	635.9	629.1	621.1
65°	797.8	799.7	799.0	795.1	799.0	799.7	797.8	792.7	784.6	774.4	762.0
62.5°	974.1	979.4	982.3	981.6	982.3	979.4	974.1	964.9	952.1	935.9	917.2
60°	1161.0	1169.3	1173.5	1173.1	1173.5	1169.3	1161.0	1148.2	1131.0	1109.8	1084.2
57.5°	1363.2	1373.8	1376.3	1371.8	1376.3	1373.8	1363.2	1346.9	1325.0	1299.0	1267.3
55°	1586.1	1599.7	1605.0	1602.5	1605.0	1599.7	1586.1	1565.7	1538.5	1506.6	1468.4
52.5°	1821.9	1836.7	1841.9	1838.1	1841.9	1836.7	1821.9	1799.0	1767.8	1728.6	1682.9
50°	2066.8	2084.7	2091.8	2088.4	2091.8	2084.7	2066.8	2040.2	2004.0	1958.0	1904.8
47.5°	2326.8	2350.6	2359.8	2353.5	2359.8	2350.6	2326.8	2293.2	2250.5	2196.4	2130.1
45°	2600.3	2624.9	2634.5	2628.3	2634.5	2624.9	2600.3	2562.9	2512.9	2453.4	2385.3
42.5°	2878.8	2910.8	2924.3	2913.0	2924.3	2910.8	2878.8	2835.3	2778.4	2710.7	2633.1
40°	3162.1	3196.8	3212.8	3205.0	3212.8	3196.8	3162.1	3112.0	3045.0	2964.6	2877.1
37.5°	3452.7	3487.3	3504.2	3504.4	3504.2	3487.3	3452.7	3399.0	3324.6	3233.0	3134.2
35°	3744.4	3786.2	3809.9	3808.8	3809.9	3786.2	3744.4	3685.4	3609.3	3516.5	3400.1
32.5°	4040.2	4085.5	4109.6	4113.1	4109.6	4085.5	4040.2	3971.0	3883.4	3781.4	3661.7
30°	4335.5	4385.2	4413.2	4424.7	4413.2	4385.2	4335.5	4258.7	4160.6	4049.0	3920.3
27.5°	4621.8	4683.1	4725.4	4729.0	4725.4	4683.1	4621.8	4543.4	4439.9	4318.6	4178.1
25°	4899.1	4961.5	5004.9	5013.7	5004.9	4961.5	4899.1	4821.0	4714.7	4581.6	4431.5
22.5°	5172.5	5237.7	5277.7	5293.5	5277.7	5237.7	5172.5	5085.0	4967.3	4828.1	4669.1
20°	5433.4	5504.1	5546.5	5563.4	5546.5	5504.1	5433.4	5337.3	5207.5	5059.4	4891.1
17.5°	5669.5	5744.1	5796.5	5811.3	5796.5	5744.1	5669.5	5567.8	5431.8	5274.5	5093.0
15°	5877.2	5948.0	5997.8	6017.4	5997.8	5948.0	5877.2	5777.4	5639.6	5469.5	5267.9
12.5°	6046.3	6109.7	6148.6	6167.1	6148.6	6109.7	6046.3	5951.1	5824.3	5633.2	5421.5
10°	6178.4	6242.0	6279.2	6304.6	6279.2	6242.0	6178.4	6089.8	5948.3	5777.2	5569.1
7.5°	6293.1	6358.2	6403.7	6439.5	6403.7	6358.2	6293.1	6173.4	6047.3	5886.0	5676.0
5°	6356.4	6465.1	6481.5	6505.8	6481.5	6465.1	6356.4	6248.0	6110.4	5946.4	5741.3
2.5°	6404.6	6481.7	6528.1	6523.0	6528.1	6481.7	6404.6	6277.1	6145.4	5995.1	5796.5
0°	6439.5	6508.3	6525.4	6547.5	6525.4	6508.3	6439.5	6311.9	6174.5	6024.8	5818.7
-2.5°	6404.6	6481.7	6528.1	6523.0	6528.1	6481.7	6404.6	6277.1	6145.4	5995.1	5796.5
-5°	6356.4	6465.1	6481.5	6505.8	6481.5	6465.1	6356.4	6248.0	6110.4	5946.4	5741.3
-7.5°	6293.1	6358.2	6403.7	6439.5	6403.7	6358.2	6293.1	6173.4	6047.3	5886.0	5676.0
-10°	6178.4	6242.0	6279.2	6304.6	6279.2	6242.0	6178.4	6089.8	5948.3	5777.2	5569.1
-12.5°	6046.3	6109.7	6148.6	6167.1	6148.6	6109.7	6046.3	5951.1	5824.3	5633.2	5421.5
-15°	5877.2	5948.0	5997.8	6017.4	5997.8	5948.0	5877.2	5777.4	5639.6	5469.5	5267.9
-17.5°	5669.5	5744.1	5796.5	5811.3	5796.5	5744.1	5669.5	5567.8	5431.8	5274.5	5093.0
-20°	5433.4	5504.1	5546.5	5563.4	5546.5	5504.1	5433.4	5337.3	5207.5	5059.4	4891.1



REPORT NUMBER: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-722-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°	5172.5	5237.7	5277.7	5293.5	5277.7	5237.7	5172.5	5085.0	4967.3	4828.1	4669.1
-25°	4899.1	4961.5	5004.9	5013.7	5004.9	4961.5	4899.1	4821.0	4714.7	4581.6	4431.5
-27.5°	4621.8	4683.1	4725.4	4729.0	4725.4	4683.1	4621.8	4543.4	4439.9	4318.6	4178.1
-30°	4335.5	4385.2	4413.2	4424.7	4413.2	4385.2	4335.5	4258.7	4160.6	4049.0	3920.3
-32.5°	4040.2	4085.5	4109.6	4113.1	4109.6	4085.5	4040.2	3971.0	3883.4	3781.4	3661.7
-35°	3744.4	3786.2	3809.9	3808.8	3809.9	3786.2	3744.4	3685.4	3609.3	3516.5	3400.1
-37.5°	3452.7	3487.3	3504.2	3504.4	3504.2	3487.3	3452.7	3399.0	3324.6	3233.0	3134.2
-40°	3162.1	3196.8	3212.8	3205.0	3212.8	3196.8	3162.1	3112.0	3045.0	2964.6	2877.1
-42.5°	2878.8	2910.8	2924.3	2913.0	2924.3	2910.8	2878.8	2835.3	2778.4	2710.7	2633.1
-45°	2600.3	2624.9	2634.5	2628.3	2634.5	2624.9	2600.3	2562.9	2512.9	2453.4	2385.3
-47.5°	2326.8	2350.6	2359.8	2353.5	2359.8	2350.6	2326.8	2293.2	2250.5	2196.4	2130.1
-50°	2066.8	2084.7	2091.8	2088.4	2091.8	2084.7	2066.8	2040.2	2004.0	1958.0	1904.8
-52.5°	1821.9	1836.7	1841.9	1838.1	1841.9	1836.7	1821.9	1799.0	1767.8	1728.6	1682.9
-55°	1586.1	1599.7	1605.0	1602.5	1605.0	1599.7	1586.1	1565.7	1538.5	1506.6	1468.4
-57.5°	1363.2	1373.8	1376.3	1371.8	1376.3	1373.8	1363.2	1346.9	1325.0	1299.0	1267.3
-60°	1161.0	1169.3	1173.5	1173.1	1173.5	1169.3	1161.0	1148.2	1131.0	1109.8	1084.2
-62.5°	974.1	979.4	982.3	981.6	982.3	979.4	974.1	964.9	952.1	935.9	917.2
-65°	797.8	799.7	799.0	795.1	799.0	799.7	797.8	792.7	784.6	774.4	762.0
-67.5°	643.8	643.9	646.7	647.9	646.7	643.9	643.8	641.1	635.9	629.1	621.1
-70°	510.5	509.7	510.8	510.5	510.8	509.7	510.5	509.9	508.2	505.7	502.0
-72.5°	396.9	390.6	384.9	377.9	384.9	390.6	396.9	402.3	407.0	409.7	407.0
-75°	296.6	283.7	275.9	267.5	275.9	283.7	296.6	308.8	320.3	329.1	328.2
-77.5°	214.8	198.3	191.3	184.1	191.3	198.3	214.8	230.5	245.3	257.6	258.5
-80°	144.8	129.8	123.8	117.8	123.8	129.8	144.8	159.1	172.7	184.7	187.9
-82.5°	86.9	75.8	72.3	68.7	72.3	75.8	86.9	97.5	107.7	116.8	117.7
-85°	43.0	36.6	34.3	31.9	34.3	36.6	43.0	49.1	54.9	60.1	58.2
-87.5°	7.9	7.4	7.4	7.4	7.4	7.4	7.9	8.5	9.0	9.5	9.3
-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: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-722-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°	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
85°	56.2	54.0	51.7	49.2	46.6	43.9	41.0	35.9	31.2	26.9	23.1
82.5°	118.0	117.5	115.8	109.1	102.4	95.6	88.5	77.9	67.6	57.4	48.6
80°	190.2	191.5	190.2	179.1	167.9	156.5	144.5	129.1	113.4	98.5	87.3
77.5°	259.0	259.3	257.2	246.1	234.0	220.7	205.6	187.0	168.4	149.6	135.2
75°	326.6	324.3	319.7	309.5	297.4	283.1	268.2	251.9	232.8	210.9	192.1
72.5°	403.1	397.9	390.7	380.7	368.9	356.3	340.9	322.8	302.8	280.9	261.1
70°	496.0	487.8	477.0	463.5	450.1	436.2	419.7	399.8	376.5	352.3	330.2
67.5°	610.8	598.2	582.9	566.5	550.0	530.6	508.4	484.2	460.1	433.3	402.9
65°	746.7	728.4	706.2	685.0	661.9	636.8	608.4	580.3	550.9	518.6	480.1
62.5°	896.0	872.8	842.6	811.9	780.6	748.3	713.5	678.9	643.8	605.8	562.5
60°	1054.3	1019.7	985.0	946.9	905.5	862.2	822.7	780.7	736.3	693.3	645.8
57.5°	1229.8	1187.3	1141.9	1093.3	1041.9	991.3	940.1	887.2	837.0	784.6	730.8
55°	1424.3	1374.1	1317.1	1254.5	1189.7	1131.0	1066.9	1002.8	942.3	878.7	819.5
52.5°	1631.5	1571.4	1505.3	1434.2	1360.5	1284.1	1206.4	1132.7	1054.0	982.0	910.4
50°	1845.2	1776.3	1700.1	1618.4	1536.4	1447.9	1359.0	1270.5	1181.2	1092.9	1007.1
47.5°	2062.2	1987.6	1902.9	1812.5	1718.6	1619.8	1518.5	1412.1	1313.4	1210.9	1113.5
45°	2300.7	2208.7	2113.8	2014.2	1906.8	1797.8	1684.2	1567.7	1449.0	1336.3	1222.0
42.5°	2540.6	2437.1	2327.3	2217.8	2100.7	1978.6	1851.9	1723.5	1593.1	1463.1	1338.2
40°	2779.5	2667.5	2547.8	2422.7	2295.0	2160.6	2021.8	1879.0	1737.3	1594.5	1453.1
37.5°	3024.0	2903.0	2773.3	2635.5	2492.5	2343.5	2190.9	2036.3	1880.0	1726.3	1573.0
35°	3274.7	3142.3	2999.1	2848.6	2691.2	2528.1	2360.7	2191.3	2023.2	1856.9	1690.9
32.5°	3523.1	3379.6	3225.4	3060.6	2887.3	2709.8	2529.8	2346.9	2162.9	1985.4	1808.5
30°	3773.7	3614.8	3447.6	3269.7	3081.7	2888.5	2693.4	2499.7	2303.6	2108.2	1921.2
27.5°	4019.2	3845.7	3664.1	3471.7	3270.9	3063.5	2854.0	2647.3	2438.1	2230.4	2028.7
25°	4258.1	4070.8	3870.4	3664.9	3452.1	3231.0	3005.8	2787.0	2568.7	2346.4	2125.1
22.5°	4488.0	4283.0	4067.0	3847.1	3623.3	3391.0	3150.8	2915.1	2689.1	2450.4	2219.2
20°	4700.0	4479.9	4249.3	4017.7	3780.9	3543.3	3285.9	3035.2	2792.1	2547.0	2304.5
17.5°	4888.1	4664.5	4422.6	4178.5	3926.4	3676.2	3412.2	3144.4	2886.9	2632.8	2379.5
15°	5054.0	4830.6	4585.5	4328.2	4059.0	3785.7	3519.2	3241.0	2973.2	2708.7	2448.9
12.5°	5204.5	4970.6	4726.0	4453.8	4168.0	3883.0	3605.7	3325.6	3050.1	2778.1	2511.3
10°	5339.7	5085.4	4826.5	4550.7	4259.3	3965.0	3679.5	3396.8	3115.4	2837.6	2562.7
7.5°	5432.3	5170.6	4903.1	4628.2	4336.3	4037.4	3743.3	3453.9	3166.4	2884.9	2602.8
5°	5500.7	5237.7	4969.4	4690.6	4396.1	4091.4	3790.4	3495.4	3202.7	2919.6	2631.4
2.5°	5553.2	5283.7	5014.6	4729.7	4434.7	4127.9	3824.0	3526.6	3231.5	2945.0	2656.7
0°	5590.4	5300.8	5040.7	4760.9	4459.1	4149.9	3845.6	3546.2	3249.2	2957.2	2670.1
-2.5°	5553.2	5283.7	5014.6	4729.7	4434.7	4127.9	3824.0	3526.6	3231.5	2945.0	2656.7
-5°	5500.7	5237.7	4969.4	4690.6	4396.1	4091.4	3790.4	3495.4	3202.7	2919.6	2631.4
-7.5°	5432.3	5170.6	4903.1	4628.2	4336.3	4037.4	3743.3	3453.9	3166.4	2884.9	2602.8
-10°	5339.7	5085.4	4826.5	4550.7	4259.3	3965.0	3679.5	3396.8	3115.4	2837.6	2562.7
-12.5°	5204.5	4970.6	4726.0	4453.8	4168.0	3883.0	3605.7	3325.6	3050.1	2778.1	2511.3
-15°	5054.0	4830.6	4585.5	4328.2	4059.0	3785.7	3519.2	3241.0	2973.2	2708.7	2448.9
-17.5°	4888.1	4664.5	4422.6	4178.5	3926.4	3676.2	3412.2	3144.4	2886.9	2632.8	2379.5
-20°	4700.0	4479.9	4249.3	4017.7	3780.9	3543.3	3285.9	3035.2	2792.1	2547.0	2304.5



REPORT NUMBER: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4488.0	4283.0	4067.0	3847.1	3623.3	3391.0	3150.8	2915.1	2689.1	2450.4	2219.2
-25°	4258.1	4070.8	3870.4	3664.9	3452.1	3231.0	3005.8	2787.0	2568.7	2346.4	2125.1
-27.5°	4019.2	3845.7	3664.1	3471.7	3270.9	3063.5	2854.0	2647.3	2438.1	2230.4	2028.7
-30°	3773.7	3614.8	3447.6	3269.7	3081.7	2888.5	2693.4	2499.7	2303.6	2108.2	1921.2
-32.5°	3523.1	3379.6	3225.4	3060.6	2887.3	2709.8	2529.8	2346.9	2162.9	1985.4	1808.5
-35°	3274.7	3142.3	2999.1	2848.6	2691.2	2528.1	2360.7	2191.3	2023.2	1856.9	1690.9
-37.5°	3024.0	2903.0	2773.3	2635.5	2492.5	2343.5	2190.9	2036.3	1880.0	1726.3	1573.0
-40°	2779.5	2667.5	2547.8	2422.7	2295.0	2160.6	2021.8	1879.0	1737.3	1594.5	1453.1
-42.5°	2540.6	2437.1	2327.3	2217.8	2100.7	1978.6	1851.9	1723.5	1593.1	1463.1	1338.2
-45°	2300.7	2208.7	2113.8	2014.2	1906.8	1797.8	1684.2	1567.7	1449.0	1336.3	1222.0
-47.5°	2062.2	1987.6	1902.9	1812.5	1718.6	1619.8	1518.5	1412.1	1313.4	1210.9	1113.5
-50°	1845.2	1776.3	1700.1	1618.4	1536.4	1447.9	1359.0	1270.5	1181.2	1092.9	1007.1
-52.5°	1631.5	1571.4	1505.3	1434.2	1360.5	1284.1	1206.4	1132.7	1054.0	982.0	910.4
-55°	1424.3	1374.1	1317.1	1254.5	1189.7	1131.0	1066.9	1002.8	942.3	878.7	819.5
-57.5°	1229.8	1187.3	1141.9	1093.3	1041.9	991.3	940.1	887.2	837.0	784.6	730.8
-60°	1054.3	1019.7	985.0	946.9	905.5	862.2	822.7	780.7	736.3	693.3	645.8
-62.5°	896.0	872.8	842.6	811.9	780.6	748.3	713.5	678.9	643.8	605.8	562.5
-65°	746.7	728.4	706.2	685.0	661.9	636.8	608.4	580.3	550.9	518.6	480.1
-67.5°	610.8	598.2	582.9	566.5	550.0	530.6	508.4	484.2	460.1	433.3	402.9
-70°	496.0	487.8	477.0	463.5	450.1	436.2	419.7	399.8	376.5	352.3	330.2
-72.5°	403.1	397.9	390.7	380.7	368.9	356.3	340.9	322.8	302.8	280.9	261.1
-75°	326.6	324.3	319.7	309.5	297.4	283.1	268.2	251.9	232.8	210.9	192.1
-77.5°	259.0	259.3	257.2	246.1	234.0	220.7	205.6	187.0	168.4	149.6	135.2
-80°	190.2	191.5	190.2	179.1	167.9	156.5	144.5	129.1	113.4	98.5	87.3
-82.5°	118.0	117.5	115.8	109.1	102.4	95.6	88.5	77.9	67.6	57.4	48.6
-85°	56.2	54.0	51.7	49.2	46.6	43.9	41.0	35.9	31.2	26.9	23.1
-87.5°	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
-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: P627011 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-722-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°	7.0	7.1	7.1	7.0	6.3	5.5	4.8	4.1	3.7	3.4	2.9
85°	23.2	22.7	21.4	19.5	15.3	11.0	9.6	8.3	7.5	6.7	5.9
82.5°	48.5	49.0	48.9	47.5	41.9	36.0	29.9	23.5	17.4	11.0	8.8
80°	87.5	86.6	84.5	80.5	71.4	61.0	53.2	45.1	37.2	28.9	20.3
77.5°	132.3	128.5	123.9	118.6	108.9	97.5	84.4	69.5	56.9	46.7	36.2
75°	182.4	176.3	169.8	161.1	148.6	134.3	119.9	102.5	83.2	65.1	51.9
72.5°	245.1	230.6	217.6	205.3	191.7	175.7	157.3	135.0	111.6	89.5	68.7
70°	308.7	286.9	267.4	250.7	234.4	217.6	197.4	169.8	139.4	113.3	88.9
67.5°	373.3	347.5	321.4	296.4	275.8	256.1	236.5	204.5	169.6	136.7	108.7
65°	444.6	410.1	377.0	346.1	318.1	293.5	270.6	236.9	198.9	161.9	127.9
62.5°	518.0	474.0	434.8	395.4	360.5	330.6	303.1	266.0	226.9	186.3	147.9
60°	595.2	545.1	492.9	446.9	404.2	366.3	333.0	294.6	253.2	209.8	167.9
57.5°	676.4	617.5	558.9	500.8	449.5	404.1	362.1	321.7	278.9	233.0	186.5
55°	758.7	695.3	626.0	560.5	497.5	443.5	392.9	347.8	303.8	255.7	202.5
52.5°	841.1	771.5	697.1	621.4	551.0	483.3	426.9	373.2	326.8	278.0	219.2
50°	927.4	847.5	767.8	686.0	604.1	530.0	459.6	402.3	349.0	299.1	235.0
47.5°	1017.1	928.1	839.4	750.1	662.3	574.7	497.9	430.8	370.5	318.2	249.7
45°	1115.5	1011.4	913.2	816.6	717.3	622.9	536.6	458.1	394.9	333.1	263.3
42.5°	1213.7	1099.3	989.5	882.1	774.9	670.9	573.2	490.2	418.2	347.3	275.8
40°	1318.3	1187.5	1065.8	949.3	831.2	716.5	613.9	521.4	440.0	362.1	287.6
37.5°	1420.0	1277.9	1144.2	1013.4	886.3	765.7	652.9	550.8	460.8	378.8	298.8
35°	1527.6	1368.8	1216.7	1078.0	943.0	812.4	689.5	580.3	484.6	395.0	309.4
32.5°	1631.5	1457.6	1294.6	1141.7	997.2	856.4	727.2	611.6	507.5	410.7	319.2
30°	1733.7	1546.8	1369.1	1201.9	1049.7	902.6	764.9	640.9	529.4	425.9	329.1
27.5°	1827.8	1629.4	1440.6	1264.1	1101.3	946.5	800.5	668.0	550.2	441.5	340.6
25°	1915.6	1708.8	1511.0	1324.0	1149.2	988.0	833.3	693.2	571.4	457.7	351.3
22.5°	1997.9	1782.6	1574.9	1379.2	1193.5	1026.1	865.3	719.9	591.4	472.7	361.0
20°	2072.7	1849.0	1632.1	1429.2	1236.6	1062.4	896.1	743.9	609.3	486.3	369.8
17.5°	2140.1	1909.7	1686.7	1475.9	1276.8	1094.6	923.5	765.0	625.1	498.4	377.5
15°	2202.7	1964.9	1734.9	1516.7	1311.6	1122.7	947.3	783.2	638.5	509.0	384.9
12.5°	2256.5	2012.3	1775.8	1551.4	1340.9	1146.5	967.4	798.5	649.7	518.5	391.9
10°	2300.8	2051.4	1809.2	1579.8	1364.6	1165.9	983.8	811.4	660.2	526.7	397.2
7.5°	2335.3	2082.0	1835.0	1601.6	1383.4	1182.0	997.7	822.5	668.7	533.0	401.0
5°	2361.4	2106.0	1857.4	1619.9	1400.7	1195.1	1007.9	830.4	674.8	537.4	403.1
2.5°	2384.6	2123.9	1875.0	1631.8	1412.5	1203.6	1014.0	835.2	678.5	539.7	403.6
0°	2397.7	2132.6	1884.7	1636.9	1418.5	1207.4	1016.0	836.8	679.8	539.9	402.5
-2.5°	2384.6	2123.9	1875.0	1631.8	1412.5	1203.6	1014.0	835.2	678.5	539.7	403.6
-5°	2361.4	2106.0	1857.4	1619.9	1400.7	1195.1	1007.9	830.4	674.8	537.4	403.1
-7.5°	2335.3	2082.0	1835.0	1601.6	1383.4	1182.0	997.7	822.5	668.7	533.0	401.0
-10°	2300.8	2051.4	1809.2	1579.8	1364.6	1165.9	983.8	811.4	660.2	526.7	397.2
-12.5°	2256.5	2012.3	1775.8	1551.4	1340.9	1146.5	967.4	798.5	649.7	518.5	391.9
-15°	2202.7	1964.9	1734.9	1516.7	1311.6	1122.7	947.3	783.2	638.5	509.0	384.9
-17.5°	2140.1	1909.7	1686.7	1475.9	1276.8	1094.6	923.5	765.0	625.1	498.4	377.5
-20°	2072.7	1849.0	1632.1	1429.2	1236.6	1062.4	896.1	743.9	609.3	486.3	369.8



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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°	1997.9	1782.6	1574.9	1379.2	1193.5	1026.1	865.3	719.9	591.4	472.7	361.0
-25°	1915.6	1708.8	1511.0	1324.0	1149.2	988.0	833.3	693.2	571.4	457.7	351.3
-27.5°	1827.8	1629.4	1440.6	1264.1	1101.3	946.5	800.5	668.0	550.2	441.5	340.6
-30°	1733.7	1546.8	1369.1	1201.9	1049.7	902.6	764.9	640.9	529.4	425.9	329.1
-32.5°	1631.5	1457.6	1294.6	1141.7	997.2	856.4	727.2	611.6	507.5	410.7	319.2
-35°	1527.6	1368.8	1216.7	1078.0	943.0	812.4	689.5	580.3	484.6	395.0	309.4
-37.5°	1420.0	1277.9	1144.2	1013.4	886.3	765.7	652.9	550.8	460.8	378.8	298.8
-40°	1318.3	1187.5	1065.8	949.3	831.2	716.5	613.9	521.4	440.0	362.1	287.6
-42.5°	1213.7	1099.3	989.5	882.1	774.9	670.9	573.2	490.2	418.2	347.3	275.8
-45°	1115.5	1011.4	913.2	816.6	717.3	622.9	536.6	458.1	394.9	333.1	263.3
-47.5°	1017.1	928.1	839.4	750.1	662.3	574.7	497.9	430.8	370.5	318.2	249.7
-50°	927.4	847.5	767.8	686.0	604.1	530.0	459.6	402.3	349.0	299.1	235.0
-52.5°	841.1	771.5	697.1	621.4	551.0	483.3	426.9	373.2	326.8	278.0	219.2
-55°	758.7	695.3	626.0	560.5	497.5	443.5	392.9	347.8	303.8	255.7	202.5
-57.5°	676.4	617.5	558.9	500.8	449.5	404.1	362.1	321.7	278.9	233.0	186.5
-60°	595.2	545.1	492.9	446.9	404.2	366.3	333.0	294.6	253.2	209.8	167.9
-62.5°	518.0	474.0	434.8	395.4	360.5	330.6	303.1	266.0	226.9	186.3	147.9
-65°	444.6	410.1	377.0	346.1	318.1	293.5	270.6	236.9	198.9	161.9	127.9
-67.5°	373.3	347.5	321.4	296.4	275.8	256.1	236.5	204.5	169.6	136.7	108.7
-70°	308.7	286.9	267.4	250.7	234.4	217.6	197.4	169.8	139.4	113.3	88.9
-72.5°	245.1	230.6	217.6	205.3	191.7	175.7	157.3	135.0	111.6	89.5	68.7
-75°	182.4	176.3	169.8	161.1	148.6	134.3	119.9	102.5	83.2	65.1	51.9
-77.5°	132.3	128.5	123.9	118.6	108.9	97.5	84.4	69.5	56.9	46.7	36.2
-80°	87.5	86.6	84.5	80.5	71.4	61.0	53.2	45.1	37.2	28.9	20.3
-82.5°	48.5	49.0	48.9	47.5	41.9	36.0	29.9	23.5	17.4	11.0	8.8
-85°	23.2	22.7	21.4	19.5	15.3	11.0	9.6	8.3	7.5	6.7	5.9
-87.5°	7.0	7.1	7.1	7.0	6.3	5.5	4.8	4.1	3.7	3.4	2.9
-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):

	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°	2.5	2.1	1.7	1.3	0.9	0.4	0.0
85°	5.1	4.2	3.4	2.6	1.7	0.7	0.0
82.5°	7.6	6.3	5.1	3.8	2.5	1.1	0.0
80°	11.4	8.4	6.8	5.1	3.4	1.5	0.0
77.5°	24.9	13.2	8.4	6.3	4.2	1.9	0.0
75°	38.1	22.9	11.0	7.6	5.0	2.2	0.0
72.5°	50.8	32.3	17.5	8.8	5.8	2.6	0.0
70°	63.5	41.4	23.9	10.6	6.6	2.9	0.0
67.5°	78.8	50.1	30.0	14.5	7.4	3.3	0.0
65°	93.5	59.8	35.8	18.2	8.1	3.6	0.0
62.5°	107.3	70.5	41.3	21.8	8.8	3.9	0.0
60°	120.4	80.6	46.5	25.2	9.5	4.2	0.0
57.5°	134.2	90.0	53.4	28.4	11.4	4.5	0.0
55°	147.3	98.8	59.9	31.4	13.2	4.8	0.0
52.5°	159.4	107.2	66.0	34.2	15.0	5.1	0.0
50°	170.4	116.1	71.7	36.7	16.8	5.3	0.0
47.5°	180.8	124.2	76.8	39.3	18.4	5.6	0.0
45°	192.3	131.5	81.4	42.7	20.0	5.8	0.0
42.5°	202.9	138.0	85.5	45.8	21.4	6.1	0.0
40°	212.5	143.7	89.6	48.9	22.8	6.3	0.0
37.5°	221.1	148.6	93.7	52.1	24.1	6.4	0.0
35°	228.7	154.2	97.2	55.0	25.3	6.6	0.0
32.5°	235.7	159.8	100.1	57.6	26.4	6.8	0.0
30°	243.0	164.6	102.5	60.1	27.4	6.9	0.0
27.5°	249.5	168.5	106.0	62.3	28.4	7.1	0.0
25°	255.3	171.7	109.3	64.3	29.2	7.2	0.0
22.5°	260.2	174.9	112.2	66.1	29.9	7.3	0.0
20°	264.3	179.2	114.7	67.6	30.5	7.3	0.0
17.5°	269.4	182.7	116.8	68.9	31.0	7.4	0.0
15°	274.7	185.5	118.5	69.9	31.5	7.4	0.0
12.5°	279.0	187.5	119.8	70.7	31.8	7.5	0.0
10°	282.3	188.7	120.7	71.3	32.0	7.5	0.0
7.5°	284.5	189.2	121.2	71.6	32.1	7.5	0.0
5°	285.7	189.0	121.3	71.7	32.1	7.5	0.0
2.5°	285.8	188.1	121.0	71.6	32.1	7.4	0.0
0°	284.7	186.5	120.3	71.2	31.9	7.4	0.0
-2.5°	285.8	188.1	121.0	71.6	32.1	7.4	0.0
-5°	285.7	189.0	121.3	71.7	32.1	7.5	0.0
-7.5°	284.5	189.2	121.2	71.6	32.1	7.5	0.0
-10°	282.3	188.7	120.7	71.3	32.0	7.5	0.0
-12.5°	279.0	187.5	119.8	70.7	31.8	7.5	0.0
-15°	274.7	185.5	118.5	69.9	31.5	7.4	0.0
-17.5°	269.4	182.7	116.8	68.9	31.0	7.4	0.0
-20°	264.3	179.2	114.7	67.6	30.5	7.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	260.2	174.9	112.2	66.1	29.9	7.3	0.0
-25°	255.3	171.7	109.3	64.3	29.2	7.2	0.0
-27.5°	249.5	168.5	106.0	62.3	28.4	7.1	0.0
-30°	243.0	164.6	102.5	60.1	27.4	6.9	0.0
-32.5°	235.7	159.8	100.1	57.6	26.4	6.8	0.0
-35°	228.7	154.2	97.2	55.0	25.3	6.6	0.0
-37.5°	221.1	148.6	93.7	52.1	24.1	6.4	0.0
-40°	212.5	143.7	89.6	48.9	22.8	6.3	0.0
-42.5°	202.9	138.0	85.5	45.8	21.4	6.1	0.0
-45°	192.3	131.5	81.4	42.7	20.0	5.8	0.0
-47.5°	180.8	124.2	76.8	39.3	18.4	5.6	0.0
-50°	170.4	116.1	71.7	36.7	16.8	5.3	0.0
-52.5°	159.4	107.2	66.0	34.2	15.0	5.1	0.0
-55°	147.3	98.8	59.9	31.4	13.2	4.8	0.0
-57.5°	134.2	90.0	53.4	28.4	11.4	4.5	0.0
-60°	120.4	80.6	46.5	25.2	9.5	4.2	0.0
-62.5°	107.3	70.5	41.3	21.8	8.8	3.9	0.0
-65°	93.5	59.8	35.8	18.2	8.1	3.6	0.0
-67.5°	78.8	50.1	30.0	14.5	7.4	3.3	0.0
-70°	63.5	41.4	23.9	10.6	6.6	2.9	0.0
-72.5°	50.8	32.3	17.5	8.8	5.8	2.6	0.0
-75°	38.1	22.9	11.0	7.6	5.0	2.2	0.0
-77.5°	24.9	13.2	8.4	6.3	4.2	1.9	0.0
-80°	11.4	8.4	6.8	5.1	3.4	1.5	0.0
-82.5°	7.6	6.3	5.1	3.8	2.5	1.1	0.0
-85°	5.1	4.2	3.4	2.6	1.7	0.7	0.0
-87.5°	2.5	2.1	1.7	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)