

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: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626731 (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-SA1D-730-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N20
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

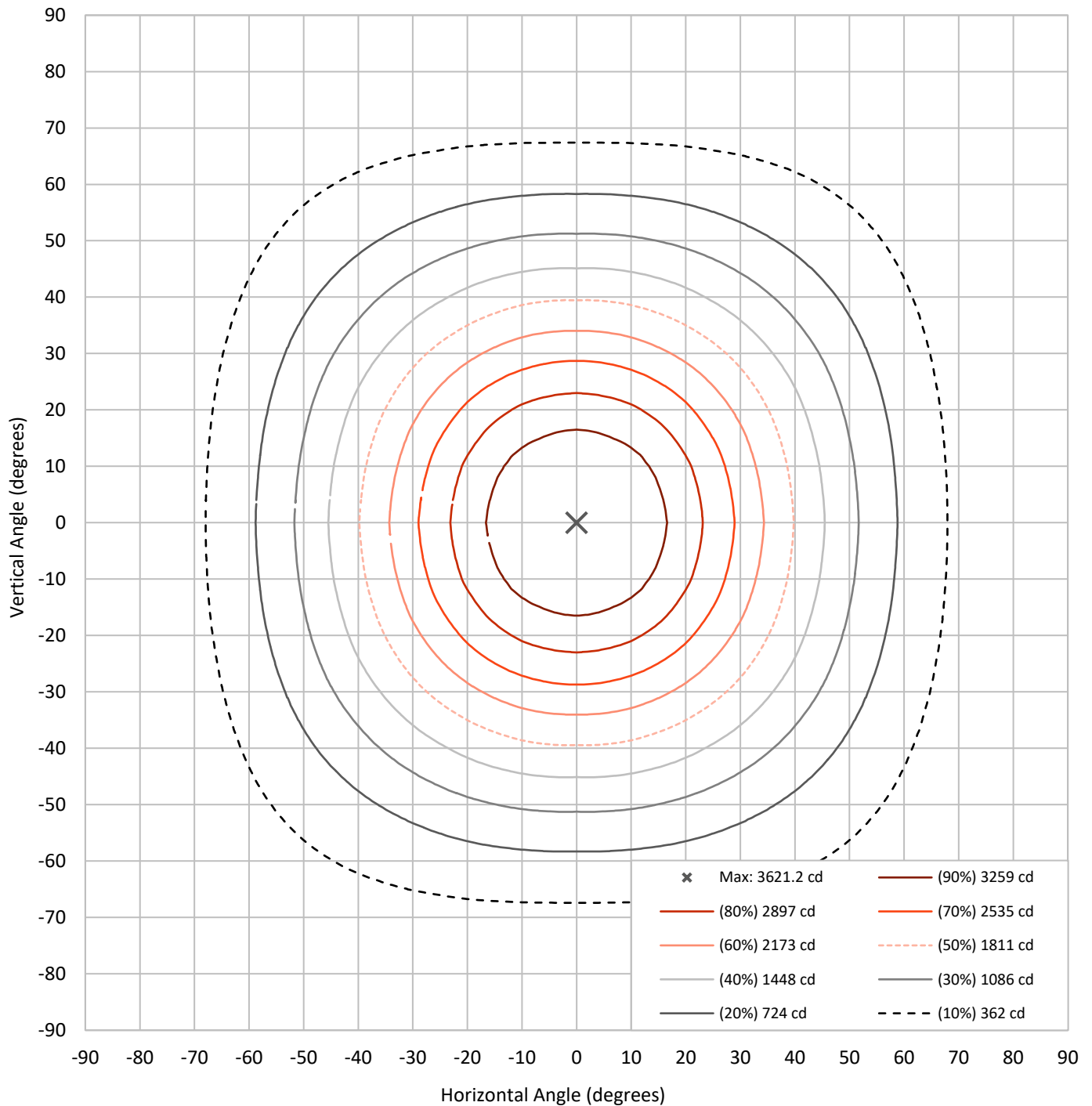
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	6545.1 lumens	Max Intensity:	3621.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	114.2 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:	3838.7 lumens	Field Lumens:	6239.6 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	57.3		
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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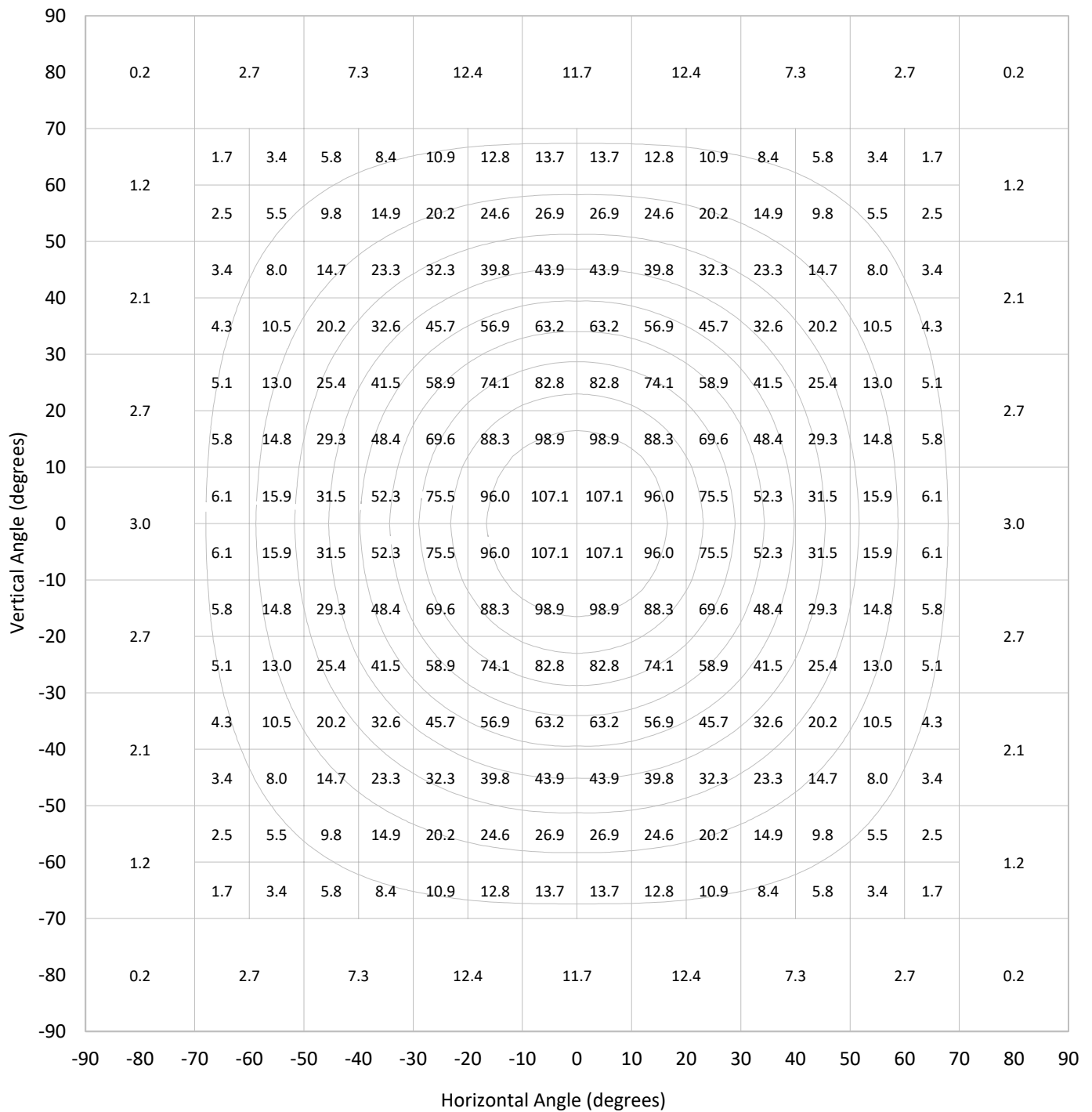
Iso-Candela Plot





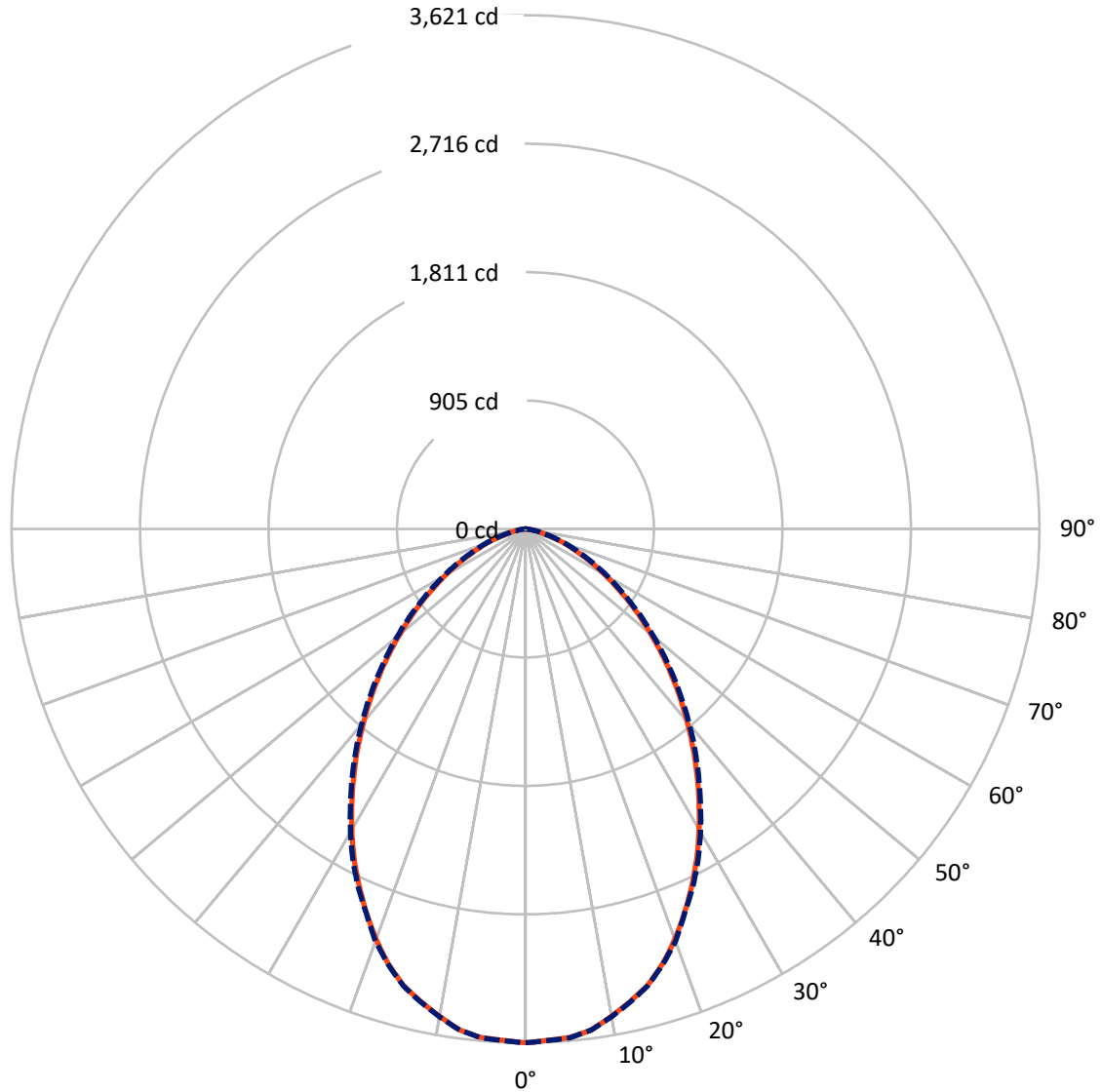
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Lumen Table



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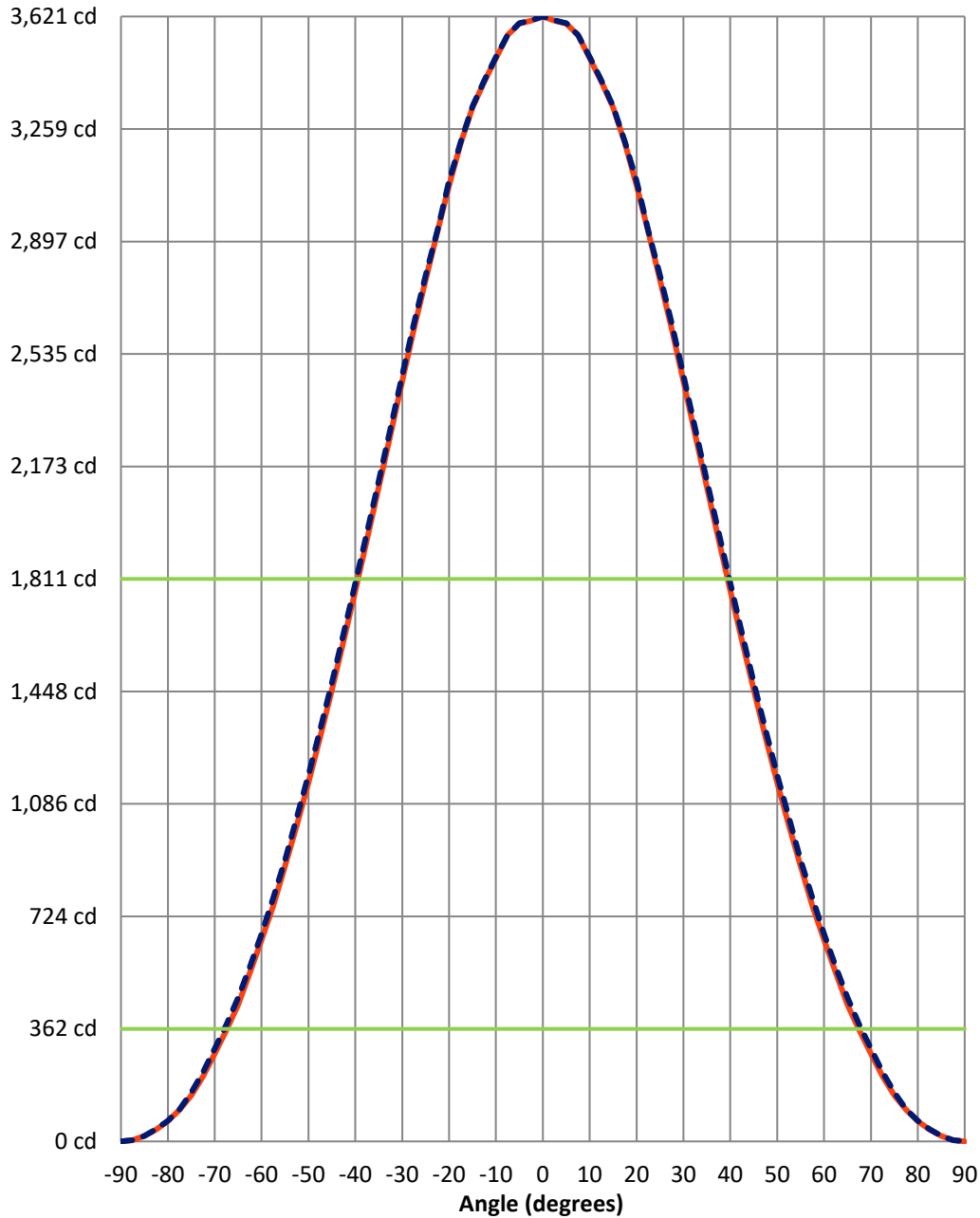
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 79.6°
V Angle: 78.9°
Lumens: 3838.7
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 6239.6
Efficiency: 95.3%

Spill:
Lumens: 305.5
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	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
85°	0.0	0.4	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
82.5°	0.0	0.6	1.4	2.1	2.8	3.5	4.2	4.9	6.1	9.6	13.0
80°	0.0	0.8	1.9	2.8	3.7	4.7	6.3	11.2	16.0	20.5	24.9
77.5°	0.0	1.0	2.3	3.5	4.7	7.3	13.8	20.0	25.8	31.4	38.4
75°	0.0	1.2	2.8	4.2	6.1	12.7	21.0	28.7	36.0	46.0	56.7
72.5°	0.0	1.4	3.2	4.9	9.7	17.9	28.1	38.0	49.5	61.7	74.6
70°	0.0	1.6	3.6	5.8	13.2	22.9	35.2	49.2	62.7	77.1	93.9
67.5°	0.0	1.8	4.1	8.0	16.6	27.7	43.6	60.1	75.6	93.8	113.1
65°	0.0	2.0	4.5	10.1	19.8	33.1	51.7	70.7	89.6	110.0	131.0
62.5°	0.0	2.2	4.8	12.1	22.9	39.0	59.4	81.8	103.1	125.5	147.1
60°	0.0	2.3	5.2	14.0	25.7	44.6	66.6	92.9	116.1	140.0	162.9
57.5°	0.0	2.5	6.3	15.7	29.5	49.8	74.2	103.1	128.9	154.3	177.9
55°	0.0	2.7	7.3	17.4	33.2	54.7	81.5	112.0	141.4	168.0	192.3
52.5°	0.0	2.8	8.3	18.9	36.5	59.3	88.1	121.2	153.7	180.7	206.4
50°	0.0	3.0	9.3	20.3	39.6	64.2	94.3	130.0	165.4	193.0	222.5
47.5°	0.0	3.1	10.2	21.8	42.5	68.7	100.0	138.1	176.0	204.9	238.3
45°	0.0	3.2	11.0	23.7	45.0	72.7	106.4	145.6	184.2	218.4	253.4
42.5°	0.0	3.3	11.9	25.4	47.3	76.3	112.2	152.5	192.1	231.3	271.1
40°	0.0	3.5	12.6	27.1	49.5	79.5	117.5	159.1	200.3	243.4	288.4
37.5°	0.0	3.6	13.3	28.8	51.8	82.1	122.3	165.3	209.5	254.9	304.6
35°	0.0	3.7	14.0	30.4	53.7	85.2	126.5	171.1	218.5	268.0	320.9
32.5°	0.0	3.8	14.6	31.9	55.3	88.3	130.4	176.6	227.2	280.7	338.2
30°	0.0	3.8	15.2	33.2	56.6	91.0	134.4	182.0	235.6	292.8	354.4
27.5°	0.0	3.9	15.7	34.5	58.6	93.2	138.0	188.4	244.2	304.3	369.5
25°	0.0	4.0	16.1	35.6	60.4	95.0	141.2	194.3	253.2	316.0	383.4
22.5°	0.0	4.0	16.5	36.5	62.0	96.7	143.9	199.7	261.5	327.1	398.1
20°	0.0	4.1	16.9	37.4	63.4	99.1	146.2	204.6	269.0	337.0	411.4
17.5°	0.0	4.1	17.1	38.1	64.6	101.1	149.0	208.8	275.7	345.7	423.1
15°	0.0	4.1	17.4	38.7	65.5	102.6	151.9	212.9	281.5	353.2	433.2
12.5°	0.0	4.1	17.6	39.1	66.2	103.7	154.3	216.8	286.8	359.4	441.6
10°	0.0	4.1	17.7	39.4	66.7	104.4	156.1	219.7	291.3	365.2	448.7
7.5°	0.0	4.1	17.7	39.6	67.0	104.7	157.3	221.8	294.8	369.9	454.9
5°	0.0	4.1	17.7	39.7	67.0	104.6	158.0	222.9	297.2	373.2	459.3
2.5°	0.0	4.1	17.7	39.6	66.9	104.1	158.0	223.2	298.5	375.3	461.9
0°	0.0	4.1	17.6	39.4	66.5	103.2	157.4	222.6	298.6	376.0	462.8
-2.5°	0.0	4.1	17.7	39.6	66.9	104.1	158.0	223.2	298.5	375.3	461.9
-5°	0.0	4.1	17.7	39.7	67.0	104.6	158.0	222.9	297.2	373.2	459.3
-7.5°	0.0	4.1	17.7	39.6	67.0	104.7	157.3	221.8	294.8	369.9	454.9
-10°	0.0	4.1	17.7	39.4	66.7	104.4	156.1	219.7	291.3	365.2	448.7
-12.5°	0.0	4.1	17.6	39.1	66.2	103.7	154.3	216.8	286.8	359.4	441.6
-15°	0.0	4.1	17.4	38.7	65.5	102.6	151.9	212.9	281.5	353.2	433.2
-17.5°	0.0	4.1	17.1	38.1	64.6	101.1	149.0	208.8	275.7	345.7	423.1
-20°	0.0	4.1	16.9	37.4	63.4	99.1	146.2	204.6	269.0	337.0	411.4

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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	4.0	16.5	36.5	62.0	96.7	143.9	199.7	261.5	327.1	398.1
-25°	0.0	4.0	16.1	35.6	60.4	95.0	141.2	194.3	253.2	316.0	383.4
-27.5°	0.0	3.9	15.7	34.5	58.6	93.2	138.0	188.4	244.2	304.3	369.5
-30°	0.0	3.8	15.2	33.2	56.6	91.0	134.4	182.0	235.6	292.8	354.4
-32.5°	0.0	3.8	14.6	31.9	55.3	88.3	130.4	176.6	227.2	280.7	338.2
-35°	0.0	3.7	14.0	30.4	53.7	85.2	126.5	171.1	218.5	268.0	320.9
-37.5°	0.0	3.6	13.3	28.8	51.8	82.1	122.3	165.3	209.5	254.9	304.6
-40°	0.0	3.5	12.6	27.1	49.5	79.5	117.5	159.1	200.3	243.4	288.4
-42.5°	0.0	3.3	11.9	25.4	47.3	76.3	112.2	152.5	192.1	231.3	271.1
-45°	0.0	3.2	11.0	23.7	45.0	72.7	106.4	145.6	184.2	218.4	253.4
-47.5°	0.0	3.1	10.2	21.8	42.5	68.7	100.0	138.1	176.0	204.9	238.3
-50°	0.0	3.0	9.3	20.3	39.6	64.2	94.3	130.0	165.4	193.0	222.5
-52.5°	0.0	2.8	8.3	18.9	36.5	59.3	88.1	121.2	153.7	180.7	206.4
-55°	0.0	2.7	7.3	17.4	33.2	54.7	81.5	112.0	141.4	168.0	192.3
-57.5°	0.0	2.5	6.3	15.7	29.5	49.8	74.2	103.1	128.9	154.3	177.9
-60°	0.0	2.3	5.2	14.0	25.7	44.6	66.6	92.9	116.1	140.0	162.9
-62.5°	0.0	2.2	4.8	12.1	22.9	39.0	59.4	81.8	103.1	125.5	147.1
-65°	0.0	2.0	4.5	10.1	19.8	33.1	51.7	70.7	89.6	110.0	131.0
-67.5°	0.0	1.8	4.1	8.0	16.6	27.7	43.6	60.1	75.6	93.8	113.1
-70°	0.0	1.6	3.6	5.8	13.2	22.9	35.2	49.2	62.7	77.1	93.9
-72.5°	0.0	1.4	3.2	4.9	9.7	17.9	28.1	38.0	49.5	61.7	74.6
-75°	0.0	1.2	2.8	4.2	6.1	12.7	21.0	28.7	36.0	46.0	56.7
-77.5°	0.0	1.0	2.3	3.5	4.7	7.3	13.8	20.0	25.8	31.4	38.4
-80°	0.0	0.8	1.9	2.8	3.7	4.7	6.3	11.2	16.0	20.5	24.9
-82.5°	0.0	0.6	1.4	2.1	2.8	3.5	4.2	4.9	6.1	9.6	13.0
-85°	0.0	0.4	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
-87.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
-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: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-730-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°	2.7	3.0	3.5	3.9	3.9	3.9	3.9	3.8	4.0	4.1	4.3
85°	5.3	6.1	8.5	10.7	11.8	12.5	12.8	12.8	14.9	17.3	19.9
82.5°	16.5	19.9	23.1	26.2	27.0	27.1	26.8	26.9	31.8	37.4	43.1
80°	29.4	33.7	39.4	44.5	46.7	47.9	48.4	48.3	54.5	62.7	71.3
77.5°	46.6	53.9	60.2	65.6	68.5	71.1	73.2	74.8	82.7	93.1	103.4
75°	66.3	74.3	82.2	89.1	94.0	97.5	100.9	106.2	116.6	128.7	139.3
72.5°	87.0	97.2	106.1	113.6	120.3	127.5	135.5	144.4	155.3	167.5	178.5
70°	109.1	120.4	129.6	138.6	147.9	158.6	170.7	182.6	194.9	208.3	221.1
67.5°	130.8	141.6	152.5	163.9	177.7	192.2	206.5	222.9	239.6	254.5	267.8
65°	149.6	162.3	175.9	191.4	208.5	226.8	245.9	265.5	286.8	304.7	320.9
62.5°	167.6	182.8	199.4	218.7	240.5	262.2	286.5	311.1	335.1	356.1	375.5
60°	184.2	202.6	223.6	247.2	272.6	301.4	329.1	357.2	383.4	407.2	431.8
57.5°	200.3	223.5	248.6	277.0	309.1	341.5	374.1	404.2	434.0	463.0	490.8
55°	217.3	245.3	275.2	310.0	346.2	384.6	419.7	453.3	486.0	521.2	554.7
52.5°	236.1	267.4	304.7	343.7	385.5	426.7	465.2	503.5	543.1	583.0	626.5
50°	254.2	293.2	334.1	379.4	424.7	468.8	512.9	557.0	604.5	653.3	702.6
47.5°	275.4	317.8	366.3	414.8	464.3	513.3	562.5	615.8	669.7	726.4	781.0
45°	296.8	344.5	396.7	451.6	505.1	559.4	616.9	675.8	739.1	801.4	867.0
42.5°	317.0	371.0	428.6	487.9	547.3	608.0	671.3	740.1	809.2	881.1	953.2
40°	339.5	396.3	459.7	525.0	589.5	656.8	729.1	803.7	881.8	960.9	1039.2
37.5°	361.1	423.5	490.2	560.5	632.9	706.8	785.3	870.0	954.7	1039.8	1126.2
35°	381.3	449.3	521.6	596.2	673.0	757.0	844.8	935.2	1027.1	1119.0	1211.9
32.5°	402.1	473.7	551.5	631.4	716.0	806.1	902.4	1000.3	1098.1	1196.2	1298.0
30°	423.0	499.2	580.6	664.7	757.2	855.5	958.9	1062.6	1166.0	1274.0	1382.5
27.5°	442.7	523.4	609.1	699.2	796.7	901.2	1011.0	1122.0	1233.5	1348.4	1464.1
25°	460.9	546.4	635.6	732.3	835.7	945.1	1059.5	1175.4	1297.7	1420.7	1541.5
22.5°	478.6	567.5	660.1	762.8	871.0	985.9	1105.0	1227.4	1355.2	1487.3	1612.3
20°	495.6	587.6	684.0	790.5	902.6	1022.7	1146.4	1274.5	1408.7	1544.2	1678.7
17.5°	510.7	605.4	706.2	816.3	932.8	1056.2	1183.7	1316.0	1456.1	1596.6	1739.1
15°	523.9	620.9	725.4	838.9	959.5	1086.8	1218.3	1354.4	1498.1	1644.4	1792.5
12.5°	535.0	634.1	741.6	858.0	982.2	1113.0	1248.0	1388.9	1536.5	1686.9	1839.3
10°	544.1	644.8	754.7	873.7	1000.7	1134.6	1272.5	1417.4	1569.4	1723.0	1878.7
7.5°	551.8	653.8	765.1	885.8	1014.9	1151.6	1291.6	1439.6	1595.6	1751.2	1910.3
5°	557.4	661.0	774.7	895.9	1027.3	1164.8	1306.0	1455.4	1614.7	1771.3	1933.2
2.5°	560.8	665.7	781.2	902.5	1037.0	1174.7	1318.9	1469.4	1628.7	1787.2	1950.5
0°	561.9	667.8	784.5	905.3	1042.4	1179.5	1326.1	1476.7	1635.5	1797.0	1961.3
-2.5°	560.8	665.7	781.2	902.5	1037.0	1174.7	1318.9	1469.4	1628.7	1787.2	1950.5
-5°	557.4	661.0	774.7	895.9	1027.3	1164.8	1306.0	1455.4	1614.7	1771.3	1933.2
-7.5°	551.8	653.8	765.1	885.8	1014.9	1151.6	1291.6	1439.6	1595.6	1751.2	1910.3
-10°	544.1	644.8	754.7	873.7	1000.7	1134.6	1272.5	1417.4	1569.4	1723.0	1878.7
-12.5°	535.0	634.1	741.6	858.0	982.2	1113.0	1248.0	1388.9	1536.5	1686.9	1839.3
-15°	523.9	620.9	725.4	838.9	959.5	1086.8	1218.3	1354.4	1498.1	1644.4	1792.5
-17.5°	510.7	605.4	706.2	816.3	932.8	1056.2	1183.7	1316.0	1456.1	1596.6	1739.1
-20°	495.6	587.6	684.0	790.5	902.6	1022.7	1146.4	1274.5	1408.7	1544.2	1678.7

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	478.6	567.5	660.1	762.8	871.0	985.9	1105.0	1227.4	1355.2	1487.3	1612.3
-25°	460.9	546.4	635.6	732.3	835.7	945.1	1059.5	1175.4	1297.7	1420.7	1541.5
-27.5°	442.7	523.4	609.1	699.2	796.7	901.2	1011.0	1122.0	1233.5	1348.4	1464.1
-30°	423.0	499.2	580.6	664.7	757.2	855.5	958.9	1062.6	1166.0	1274.0	1382.5
-32.5°	402.1	473.7	551.5	631.4	716.0	806.1	902.4	1000.3	1098.1	1196.2	1298.0
-35°	381.3	449.3	521.6	596.2	673.0	757.0	844.8	935.2	1027.1	1119.0	1211.9
-37.5°	361.1	423.5	490.2	560.5	632.9	706.8	785.3	870.0	954.7	1039.8	1126.2
-40°	339.5	396.3	459.7	525.0	589.5	656.8	729.1	803.7	881.8	960.9	1039.2
-42.5°	317.0	371.0	428.6	487.9	547.3	608.0	671.3	740.1	809.2	881.1	953.2
-45°	296.8	344.5	396.7	451.6	505.1	559.4	616.9	675.8	739.1	801.4	867.0
-47.5°	275.4	317.8	366.3	414.8	464.3	513.3	562.5	615.8	669.7	726.4	781.0
-50°	254.2	293.2	334.1	379.4	424.7	468.8	512.9	557.0	604.5	653.3	702.6
-52.5°	236.1	267.4	304.7	343.7	385.5	426.7	465.2	503.5	543.1	583.0	626.5
-55°	217.3	245.3	275.2	310.0	346.2	384.6	419.7	453.3	486.0	521.2	554.7
-57.5°	200.3	223.5	248.6	277.0	309.1	341.5	374.1	404.2	434.0	463.0	490.8
-60°	184.2	202.6	223.6	247.2	272.6	301.4	329.1	357.2	383.4	407.2	431.8
-62.5°	167.6	182.8	199.4	218.7	240.5	262.2	286.5	311.1	335.1	356.1	375.5
-65°	149.6	162.3	175.9	191.4	208.5	226.8	245.9	265.5	286.8	304.7	320.9
-67.5°	130.8	141.6	152.5	163.9	177.7	192.2	206.5	222.9	239.6	254.5	267.8
-70°	109.1	120.4	129.6	138.6	147.9	158.6	170.7	182.6	194.9	208.3	221.1
-72.5°	87.0	97.2	106.1	113.6	120.3	127.5	135.5	144.4	155.3	167.5	178.5
-75°	66.3	74.3	82.2	89.1	94.0	97.5	100.9	106.2	116.6	128.7	139.3
-77.5°	46.6	53.9	60.2	65.6	68.5	71.1	73.2	74.8	82.7	93.1	103.4
-80°	29.4	33.7	39.4	44.5	46.7	47.9	48.4	48.3	54.5	62.7	71.3
-82.5°	16.5	19.9	23.1	26.2	27.0	27.1	26.8	26.9	31.8	37.4	43.1
-85°	5.3	6.1	8.5	10.7	11.8	12.5	12.8	12.8	14.9	17.3	19.9
-87.5°	2.7	3.0	3.5	3.9	3.9	3.9	3.9	3.8	4.0	4.1	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.0	4.7
85°	22.7	24.3	25.8	27.2	28.5	29.8	31.1	32.2	33.3	30.4	27.2
82.5°	49.0	52.9	56.6	60.3	64.0	65.0	65.3	65.1	64.6	59.6	54.0
80°	79.9	86.6	92.8	99.1	105.2	105.9	105.2	103.9	102.1	95.5	88.0
77.5°	113.7	122.1	129.4	136.2	142.3	143.4	143.3	142.9	142.4	135.6	127.4
75°	148.4	156.6	164.5	171.2	176.8	179.4	180.6	181.5	182.0	177.1	170.7
72.5°	188.5	197.1	204.0	210.5	216.1	220.1	222.9	225.1	226.6	225.1	222.5
70°	232.1	241.3	249.0	256.3	263.8	269.8	274.3	277.6	279.7	281.1	282.0
67.5°	281.2	293.4	304.1	313.3	322.3	330.8	337.8	343.5	347.9	351.6	354.5
65°	336.5	352.1	366.1	378.8	390.5	402.9	413.0	421.4	428.3	433.9	438.4
62.5°	394.6	413.8	431.7	449.0	466.0	482.7	495.6	507.3	517.6	526.6	533.7
60°	455.0	476.9	500.9	523.7	544.8	564.0	583.1	599.7	613.8	625.6	635.0
57.5°	520.0	548.2	576.2	604.7	631.5	656.6	680.2	700.9	718.5	732.8	744.9
55°	590.1	625.5	658.0	693.8	728.5	760.0	787.8	812.2	833.2	850.9	865.9
52.5°	667.2	710.2	752.4	793.2	832.5	869.1	902.3	930.7	956.0	977.7	995.0
50°	751.6	800.8	849.7	895.1	940.3	982.4	1020.5	1053.5	1082.9	1108.4	1128.4
47.5°	839.8	895.9	950.5	1002.4	1052.4	1099.2	1140.5	1178.1	1214.8	1244.7	1268.3
45°	931.5	994.3	1054.6	1113.9	1169.0	1221.5	1272.4	1319.3	1356.9	1389.8	1417.5
42.5°	1024.3	1094.3	1161.8	1226.6	1287.2	1347.9	1405.1	1456.3	1499.2	1536.7	1568.1
40°	1118.2	1194.9	1269.3	1339.9	1409.1	1475.4	1537.3	1591.3	1639.6	1684.1	1721.1
37.5°	1211.7	1296.1	1378.5	1457.6	1533.8	1605.5	1672.5	1733.4	1788.1	1838.7	1879.9
35°	1305.6	1398.2	1488.4	1575.5	1658.7	1737.9	1811.2	1880.5	1944.9	1996.2	2038.3
32.5°	1399.1	1498.7	1596.9	1692.7	1783.8	1869.2	1948.5	2025.2	2091.4	2147.8	2196.2
30°	1489.7	1597.5	1704.4	1808.3	1906.7	1999.2	2087.1	2168.2	2239.4	2301.1	2355.4
27.5°	1578.5	1694.4	1809.0	1920.1	2026.5	2127.0	2222.9	2310.8	2388.5	2455.5	2512.8
25°	1662.4	1786.9	1909.2	2026.9	2140.6	2251.5	2355.0	2451.0	2533.9	2607.6	2666.4
22.5°	1742.6	1875.4	2003.9	2127.7	2249.3	2368.8	2482.2	2582.3	2670.3	2747.2	2812.3
20°	1817.3	1959.7	2091.1	2222.1	2350.1	2477.7	2599.4	2705.1	2798.2	2880.1	2951.9
17.5°	1887.2	2033.2	2171.6	2311.0	2446.0	2579.8	2703.5	2816.8	2917.2	3004.2	3079.3
15°	1946.3	2093.8	2244.9	2393.8	2536.1	2671.6	2795.2	2913.5	3025.0	3119.1	3195.3
12.5°	1994.2	2147.6	2305.2	2463.2	2613.8	2749.1	2878.5	2998.5	3115.6	3221.3	3291.3
10°	2035.1	2193.0	2355.7	2516.8	2669.4	2812.6	2953.2	3080.1	3195.2	3289.8	3368.1
7.5°	2070.3	2233.0	2398.2	2559.7	2711.7	2859.7	3004.5	3139.2	3255.4	3344.6	3414.3
5°	2096.4	2262.8	2431.3	2594.2	2748.4	2896.9	3042.3	3175.3	3288.7	3379.5	3455.6
2.5°	2115.0	2283.0	2452.7	2615.9	2773.5	2922.3	3071.3	3205.9	3315.7	3398.8	3471.7
0°	2126.9	2295.2	2466.2	2633.1	2787.9	2931.7	3091.9	3218.1	3332.1	3414.9	3490.9
-2.5°	2115.0	2283.0	2452.7	2615.9	2773.5	2922.3	3071.3	3205.9	3315.7	3398.8	3471.7
-5°	2096.4	2262.8	2431.3	2594.2	2748.4	2896.9	3042.3	3175.3	3288.7	3379.5	3455.6
-7.5°	2070.3	2233.0	2398.2	2559.7	2711.7	2859.7	3004.5	3139.2	3255.4	3344.6	3414.3
-10°	2035.1	2193.0	2355.7	2516.8	2669.4	2812.6	2953.2	3080.1	3195.2	3289.8	3368.1
-12.5°	1994.2	2147.6	2305.2	2463.2	2613.8	2749.1	2878.5	2998.5	3115.6	3221.3	3291.3
-15°	1946.3	2093.8	2244.9	2393.8	2536.1	2671.6	2795.2	2913.5	3025.0	3119.1	3195.3
-17.5°	1887.2	2033.2	2171.6	2311.0	2446.0	2579.8	2703.5	2816.8	2917.2	3004.2	3079.3
-20°	1817.3	1959.7	2091.1	2222.1	2350.1	2477.7	2599.4	2705.1	2798.2	2880.1	2951.9

Classified

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

Scaled Data Report



REPORT NUMBER: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	1742.6	1875.4	2003.9	2127.7	2249.3	2368.8	2482.2	2582.3	2670.3	2747.2	2812.3
-25°	1662.4	1786.9	1909.2	2026.9	2140.6	2251.5	2355.0	2451.0	2533.9	2607.6	2666.4
-27.5°	1578.5	1694.4	1809.0	1920.1	2026.5	2127.0	2222.9	2310.8	2388.5	2455.5	2512.8
-30°	1489.7	1597.5	1704.4	1808.3	1906.7	1999.2	2087.1	2168.2	2239.4	2301.1	2355.4
-32.5°	1399.1	1498.7	1596.9	1692.7	1783.8	1869.2	1948.5	2025.2	2091.4	2147.8	2196.2
-35°	1305.6	1398.2	1488.4	1575.5	1658.7	1737.9	1811.2	1880.5	1944.9	1996.2	2038.3
-37.5°	1211.7	1296.1	1378.5	1457.6	1533.8	1605.5	1672.5	1733.4	1788.1	1838.7	1879.9
-40°	1118.2	1194.9	1269.3	1339.9	1409.1	1475.4	1537.3	1591.3	1639.6	1684.1	1721.1
-42.5°	1024.3	1094.3	1161.8	1226.6	1287.2	1347.9	1405.1	1456.3	1499.2	1536.7	1568.1
-45°	931.5	994.3	1054.6	1113.9	1169.0	1221.5	1272.4	1319.3	1356.9	1389.8	1417.5
-47.5°	839.8	895.9	950.5	1002.4	1052.4	1099.2	1140.5	1178.1	1214.8	1244.7	1268.3
-50°	751.6	800.8	849.7	895.1	940.3	982.4	1020.5	1053.5	1082.9	1108.4	1128.4
-52.5°	667.2	710.2	752.4	793.2	832.5	869.1	902.3	930.7	956.0	977.7	995.0
-55°	590.1	625.5	658.0	693.8	728.5	760.0	787.8	812.2	833.2	850.9	865.9
-57.5°	520.0	548.2	576.2	604.7	631.5	656.6	680.2	700.9	718.5	732.8	744.9
-60°	455.0	476.9	500.9	523.7	544.8	564.0	583.1	599.7	613.8	625.6	635.0
-62.5°	394.6	413.8	431.7	449.0	466.0	482.7	495.6	507.3	517.6	526.6	533.7
-65°	336.5	352.1	366.1	378.8	390.5	402.9	413.0	421.4	428.3	433.9	438.4
-67.5°	281.2	293.4	304.1	313.3	322.3	330.8	337.8	343.5	347.9	351.6	354.5
-70°	232.1	241.3	249.0	256.3	263.8	269.8	274.3	277.6	279.7	281.1	282.0
-72.5°	188.5	197.1	204.0	210.5	216.1	220.1	222.9	225.1	226.6	225.1	222.5
-75°	148.4	156.6	164.5	171.2	176.8	179.4	180.6	181.5	182.0	177.1	170.7
-77.5°	113.7	122.1	129.4	136.2	142.3	143.4	143.3	142.9	142.4	135.6	127.4
-80°	79.9	86.6	92.8	99.1	105.2	105.9	105.2	103.9	102.1	95.5	88.0
-82.5°	49.0	52.9	56.6	60.3	64.0	65.0	65.3	65.1	64.6	59.6	54.0
-85°	22.7	24.3	25.8	27.2	28.5	29.8	31.1	32.2	33.3	30.4	27.2
-87.5°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.0	4.7
-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: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	4.4	4.1	4.1	4.1	4.1	4.1	4.4	4.7	5.0	5.2	5.1
85°	23.8	20.3	19.0	17.6	19.0	20.3	23.8	27.2	30.4	33.3	32.2
82.5°	48.1	42.0	40.0	38.0	40.0	42.0	48.1	54.0	59.6	64.6	65.1
80°	80.0	71.7	68.4	65.1	68.4	71.7	80.0	88.0	95.5	102.1	103.9
77.5°	118.8	109.6	105.8	101.8	105.8	109.6	118.8	127.4	135.6	142.4	142.9
75°	164.0	156.9	152.5	147.9	152.5	156.9	164.0	170.7	177.1	182.0	181.5
72.5°	219.5	216.1	212.9	209.0	212.9	216.1	219.5	222.5	225.1	226.6	225.1
70°	282.4	281.9	282.5	282.3	282.5	281.9	282.4	282.0	281.1	279.7	277.6
67.5°	356.0	356.1	357.6	358.3	357.6	356.1	356.0	354.5	351.6	347.9	343.5
65°	441.2	442.3	441.9	439.8	441.9	442.3	441.2	438.4	433.9	428.3	421.4
62.5°	538.7	541.7	543.3	542.9	543.3	541.7	538.7	533.7	526.6	517.6	507.3
60°	642.1	646.7	649.0	648.8	649.0	646.7	642.1	635.0	625.6	613.8	599.7
57.5°	753.9	759.8	761.2	758.7	761.2	759.8	753.9	744.9	732.8	718.5	700.9
55°	877.2	884.7	887.7	886.3	887.7	884.7	877.2	865.9	850.9	833.2	812.2
52.5°	1007.7	1015.8	1018.7	1016.6	1018.7	1015.8	1007.7	995.0	977.7	956.0	930.7
50°	1143.1	1152.9	1156.9	1155.0	1156.9	1152.9	1143.1	1128.4	1108.4	1082.9	1053.5
47.5°	1286.8	1300.0	1305.1	1301.6	1305.1	1300.0	1286.8	1268.3	1244.7	1214.8	1178.1
45°	1438.2	1451.8	1457.1	1453.7	1457.1	1451.8	1438.2	1417.5	1389.8	1356.9	1319.3
42.5°	1592.2	1609.9	1617.3	1611.1	1617.3	1609.9	1592.2	1568.1	1536.7	1499.2	1456.3
40°	1748.8	1768.1	1776.9	1772.6	1776.9	1768.1	1748.8	1721.1	1684.1	1639.6	1591.3
37.5°	1909.6	1928.7	1938.1	1938.2	1938.1	1928.7	1909.6	1879.9	1838.7	1788.1	1733.4
35°	2070.9	2094.1	2107.1	2106.5	2107.1	2094.1	2070.9	2038.3	1996.2	1944.9	1880.5
32.5°	2234.5	2259.5	2272.9	2274.8	2272.9	2259.5	2234.5	2196.2	2147.8	2091.4	2025.2
30°	2397.8	2425.4	2440.9	2447.2	2440.9	2425.4	2397.8	2355.4	2301.1	2239.4	2168.2
27.5°	2556.2	2590.1	2613.4	2615.5	2613.4	2590.1	2556.2	2512.8	2455.5	2388.5	2310.8
25°	2709.6	2744.1	2768.0	2772.9	2768.0	2744.1	2709.6	2666.4	2607.6	2533.9	2451.0
22.5°	2860.7	2896.8	2918.9	2927.7	2918.9	2896.8	2860.7	2812.3	2747.2	2670.3	2582.3
20°	3005.0	3044.2	3067.6	3077.0	3067.6	3044.2	3005.0	2951.9	2880.1	2798.2	2705.1
17.5°	3135.6	3176.9	3205.9	3214.1	3205.9	3176.9	3135.6	3079.3	3004.2	2917.2	2816.8
15°	3250.5	3289.7	3317.2	3328.1	3317.2	3289.7	3250.5	3195.3	3119.1	3025.0	2913.5
12.5°	3344.0	3379.1	3400.6	3410.9	3400.6	3379.1	3344.0	3291.3	3221.3	3115.6	2998.5
10°	3417.1	3452.2	3472.8	3486.9	3472.8	3452.2	3417.1	3368.1	3289.8	3195.2	3080.1
7.5°	3480.5	3516.5	3541.7	3561.5	3541.7	3516.5	3480.5	3414.3	3344.6	3255.4	3139.2
5°	3515.5	3575.7	3584.7	3598.2	3584.7	3575.7	3515.5	3455.6	3379.5	3288.7	3175.3
2.5°	3542.2	3584.8	3610.5	3607.7	3610.5	3584.8	3542.2	3471.7	3398.8	3315.7	3205.9
0°	3561.5	3599.5	3609.0	3621.2	3609.0	3599.5	3561.5	3490.9	3414.9	3332.1	3218.1
-2.5°	3542.2	3584.8	3610.5	3607.7	3610.5	3584.8	3542.2	3471.7	3398.8	3315.7	3205.9
-5°	3515.5	3575.7	3584.7	3598.2	3584.7	3575.7	3515.5	3455.6	3379.5	3288.7	3175.3
-7.5°	3480.5	3516.5	3541.7	3561.5	3541.7	3516.5	3480.5	3414.3	3344.6	3255.4	3139.2
-10°	3417.1	3452.2	3472.8	3486.9	3472.8	3452.2	3417.1	3368.1	3289.8	3195.2	3080.1
-12.5°	3344.0	3379.1	3400.6	3410.9	3400.6	3379.1	3344.0	3291.3	3221.3	3115.6	2998.5
-15°	3250.5	3289.7	3317.2	3328.1	3317.2	3289.7	3250.5	3195.3	3119.1	3025.0	2913.5
-17.5°	3135.6	3176.9	3205.9	3214.1	3205.9	3176.9	3135.6	3079.3	3004.2	2917.2	2816.8
-20°	3005.0	3044.2	3067.6	3077.0	3067.6	3044.2	3005.0	2951.9	2880.1	2798.2	2705.1



REPORT NUMBER: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	2860.7	2896.8	2918.9	2927.7	2918.9	2896.8	2860.7	2812.3	2747.2	2670.3	2582.3
-25°	2709.6	2744.1	2768.0	2772.9	2768.0	2744.1	2709.6	2666.4	2607.6	2533.9	2451.0
-27.5°	2556.2	2590.1	2613.4	2615.5	2613.4	2590.1	2556.2	2512.8	2455.5	2388.5	2310.8
-30°	2397.8	2425.4	2440.9	2447.2	2440.9	2425.4	2397.8	2355.4	2301.1	2239.4	2168.2
-32.5°	2234.5	2259.5	2272.9	2274.8	2272.9	2259.5	2234.5	2196.2	2147.8	2091.4	2025.2
-35°	2070.9	2094.1	2107.1	2106.5	2107.1	2094.1	2070.9	2038.3	1996.2	1944.9	1880.5
-37.5°	1909.6	1928.7	1938.1	1938.2	1938.1	1928.7	1909.6	1879.9	1838.7	1788.1	1733.4
-40°	1748.8	1768.1	1776.9	1772.6	1776.9	1768.1	1748.8	1721.1	1684.1	1639.6	1591.3
-42.5°	1592.2	1609.9	1617.3	1611.1	1617.3	1609.9	1592.2	1568.1	1536.7	1499.2	1456.3
-45°	1438.2	1451.8	1457.1	1453.7	1457.1	1451.8	1438.2	1417.5	1389.8	1356.9	1319.3
-47.5°	1286.8	1300.0	1305.1	1301.6	1305.1	1300.0	1286.8	1268.3	1244.7	1214.8	1178.1
-50°	1143.1	1152.9	1156.9	1155.0	1156.9	1152.9	1143.1	1128.4	1108.4	1082.9	1053.5
-52.5°	1007.7	1015.8	1018.7	1016.6	1018.7	1015.8	1007.7	995.0	977.7	956.0	930.7
-55°	877.2	884.7	887.7	886.3	887.7	884.7	877.2	865.9	850.9	833.2	812.2
-57.5°	753.9	759.8	761.2	758.7	761.2	759.8	753.9	744.9	732.8	718.5	700.9
-60°	642.1	646.7	649.0	648.8	649.0	646.7	642.1	635.0	625.6	613.8	599.7
-62.5°	538.7	541.7	543.3	542.9	543.3	541.7	538.7	533.7	526.6	517.6	507.3
-65°	441.2	442.3	441.9	439.8	441.9	442.3	441.2	438.4	433.9	428.3	421.4
-67.5°	356.0	356.1	357.6	358.3	357.6	356.1	356.0	354.5	351.6	347.9	343.5
-70°	282.4	281.9	282.5	282.3	282.5	281.9	282.4	282.0	281.1	279.7	277.6
-72.5°	219.5	216.1	212.9	209.0	212.9	216.1	219.5	222.5	225.1	226.6	225.1
-75°	164.0	156.9	152.5	147.9	152.5	156.9	164.0	170.7	177.1	182.0	181.5
-77.5°	118.8	109.6	105.8	101.8	105.8	109.6	118.8	127.4	135.6	142.4	142.9
-80°	80.0	71.7	68.4	65.1	68.4	71.7	80.0	88.0	95.5	102.1	103.9
-82.5°	48.1	42.0	40.0	38.0	40.0	42.0	48.1	54.0	59.6	64.6	65.1
-85°	23.8	20.3	19.0	17.6	19.0	20.3	23.8	27.2	30.4	33.3	32.2
-87.5°	4.4	4.1	4.1	4.1	4.1	4.1	4.4	4.7	5.0	5.2	5.1
-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: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
85°	31.1	29.8	28.5	27.2	25.8	24.3	22.7	19.9	17.3	14.9	12.8
82.5°	65.3	65.0	64.0	60.3	56.6	52.9	49.0	43.1	37.4	31.8	26.9
80°	105.2	105.9	105.2	99.1	92.8	86.6	79.9	71.3	62.7	54.5	48.3
77.5°	143.3	143.4	142.3	136.2	129.4	122.1	113.7	103.4	93.1	82.7	74.8
75°	180.6	179.4	176.8	171.2	164.5	156.6	148.4	139.3	128.7	116.6	106.2
72.5°	222.9	220.1	216.1	210.5	204.0	197.1	188.5	178.5	167.5	155.3	144.4
70°	274.3	269.8	263.8	256.3	249.0	241.3	232.1	221.1	208.3	194.9	182.6
67.5°	337.8	330.8	322.3	313.3	304.1	293.4	281.2	267.8	254.5	239.6	222.9
65°	413.0	402.9	390.5	378.8	366.1	352.1	336.5	320.9	304.7	286.8	265.5
62.5°	495.6	482.7	466.0	449.0	431.7	413.8	394.6	375.5	356.1	335.1	311.1
60°	583.1	564.0	544.8	523.7	500.9	476.9	455.0	431.8	407.2	383.4	357.2
57.5°	680.2	656.6	631.5	604.7	576.2	548.2	520.0	490.8	463.0	434.0	404.2
55°	787.8	760.0	728.5	693.8	658.0	625.5	590.1	554.7	521.2	486.0	453.3
52.5°	902.3	869.1	832.5	793.2	752.4	710.2	667.2	626.5	583.0	543.1	503.5
50°	1020.5	982.4	940.3	895.1	849.7	800.8	751.6	702.6	653.3	604.5	557.0
47.5°	1140.5	1099.2	1052.4	1002.4	950.5	895.9	839.8	781.0	726.4	669.7	615.8
45°	1272.4	1221.5	1169.0	1113.9	1054.6	994.3	931.5	867.0	801.4	739.1	675.8
42.5°	1405.1	1347.9	1287.2	1226.6	1161.8	1094.3	1024.3	953.2	881.1	809.2	740.1
40°	1537.3	1475.4	1409.1	1339.9	1269.3	1194.9	1118.2	1039.2	960.9	881.8	803.7
37.5°	1672.5	1605.5	1533.8	1457.6	1378.5	1296.1	1211.7	1126.2	1039.8	954.7	870.0
35°	1811.2	1737.9	1658.7	1575.5	1488.4	1398.2	1305.6	1211.9	1119.0	1027.1	935.2
32.5°	1948.5	1869.2	1783.8	1692.7	1596.9	1498.7	1399.1	1298.0	1196.2	1098.1	1000.3
30°	2087.1	1999.2	1906.7	1808.3	1704.4	1597.5	1489.7	1382.5	1274.0	1166.0	1062.6
27.5°	2222.9	2127.0	2026.5	1920.1	1809.0	1694.4	1578.5	1464.1	1348.4	1233.5	1122.0
25°	2355.0	2251.5	2140.6	2026.9	1909.2	1786.9	1662.4	1541.5	1420.7	1297.7	1175.4
22.5°	2482.2	2368.8	2249.3	2127.7	2003.9	1875.4	1742.6	1612.3	1487.3	1355.2	1227.4
20°	2599.4	2477.7	2350.1	2222.1	2091.1	1959.7	1817.3	1678.7	1544.2	1408.7	1274.5
17.5°	2703.5	2579.8	2446.0	2311.0	2171.6	2033.2	1887.2	1739.1	1596.6	1456.1	1316.0
15°	2795.2	2671.6	2536.1	2393.8	2244.9	2093.8	1946.3	1792.5	1644.4	1498.1	1354.4
12.5°	2878.5	2749.1	2613.8	2463.2	2305.2	2147.6	1994.2	1839.3	1686.9	1536.5	1388.9
10°	2953.2	2812.6	2669.4	2516.8	2355.7	2193.0	2035.1	1878.7	1723.0	1569.4	1417.4
7.5°	3004.5	2859.7	2711.7	2559.7	2398.2	2233.0	2070.3	1910.3	1751.2	1595.6	1439.6
5°	3042.3	2896.9	2748.4	2594.2	2431.3	2262.8	2096.4	1933.2	1771.3	1614.7	1455.4
2.5°	3071.3	2922.3	2773.5	2615.9	2452.7	2283.0	2115.0	1950.5	1787.2	1628.7	1469.4
0°	3091.9	2931.7	2787.9	2633.1	2466.2	2295.2	2126.9	1961.3	1797.0	1635.5	1476.7
-2.5°	3071.3	2922.3	2773.5	2615.9	2452.7	2283.0	2115.0	1950.5	1787.2	1628.7	1469.4
-5°	3042.3	2896.9	2748.4	2594.2	2431.3	2262.8	2096.4	1933.2	1771.3	1614.7	1455.4
-7.5°	3004.5	2859.7	2711.7	2559.7	2398.2	2233.0	2070.3	1910.3	1751.2	1595.6	1439.6
-10°	2953.2	2812.6	2669.4	2516.8	2355.7	2193.0	2035.1	1878.7	1723.0	1569.4	1417.4
-12.5°	2878.5	2749.1	2613.8	2463.2	2305.2	2147.6	1994.2	1839.3	1686.9	1536.5	1388.9
-15°	2795.2	2671.6	2536.1	2393.8	2244.9	2093.8	1946.3	1792.5	1644.4	1498.1	1354.4
-17.5°	2703.5	2579.8	2446.0	2311.0	2171.6	2033.2	1887.2	1739.1	1596.6	1456.1	1316.0
-20°	2599.4	2477.7	2350.1	2222.1	2091.1	1959.7	1817.3	1678.7	1544.2	1408.7	1274.5



REPORT NUMBER: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	2482.2	2368.8	2249.3	2127.7	2003.9	1875.4	1742.6	1612.3	1487.3	1355.2	1227.4
-25°	2355.0	2251.5	2140.6	2026.9	1909.2	1786.9	1662.4	1541.5	1420.7	1297.7	1175.4
-27.5°	2222.9	2127.0	2026.5	1920.1	1809.0	1694.4	1578.5	1464.1	1348.4	1233.5	1122.0
-30°	2087.1	1999.2	1906.7	1808.3	1704.4	1597.5	1489.7	1382.5	1274.0	1166.0	1062.6
-32.5°	1948.5	1869.2	1783.8	1692.7	1596.9	1498.7	1399.1	1298.0	1196.2	1098.1	1000.3
-35°	1811.2	1737.9	1658.7	1575.5	1488.4	1398.2	1305.6	1211.9	1119.0	1027.1	935.2
-37.5°	1672.5	1605.5	1533.8	1457.6	1378.5	1296.1	1211.7	1126.2	1039.8	954.7	870.0
-40°	1537.3	1475.4	1409.1	1339.9	1269.3	1194.9	1118.2	1039.2	960.9	881.8	803.7
-42.5°	1405.1	1347.9	1287.2	1226.6	1161.8	1094.3	1024.3	953.2	881.1	809.2	740.1
-45°	1272.4	1221.5	1169.0	1113.9	1054.6	994.3	931.5	867.0	801.4	739.1	675.8
-47.5°	1140.5	1099.2	1052.4	1002.4	950.5	895.9	839.8	781.0	726.4	669.7	615.8
-50°	1020.5	982.4	940.3	895.1	849.7	800.8	751.6	702.6	653.3	604.5	557.0
-52.5°	902.3	869.1	832.5	793.2	752.4	710.2	667.2	626.5	583.0	543.1	503.5
-55°	787.8	760.0	728.5	693.8	658.0	625.5	590.1	554.7	521.2	486.0	453.3
-57.5°	680.2	656.6	631.5	604.7	576.2	548.2	520.0	490.8	463.0	434.0	404.2
-60°	583.1	564.0	544.8	523.7	500.9	476.9	455.0	431.8	407.2	383.4	357.2
-62.5°	495.6	482.7	466.0	449.0	431.7	413.8	394.6	375.5	356.1	335.1	311.1
-65°	413.0	402.9	390.5	378.8	366.1	352.1	336.5	320.9	304.7	286.8	265.5
-67.5°	337.8	330.8	322.3	313.3	304.1	293.4	281.2	267.8	254.5	239.6	222.9
-70°	274.3	269.8	263.8	256.3	249.0	241.3	232.1	221.1	208.3	194.9	182.6
-72.5°	222.9	220.1	216.1	210.5	204.0	197.1	188.5	178.5	167.5	155.3	144.4
-75°	180.6	179.4	176.8	171.2	164.5	156.6	148.4	139.3	128.7	116.6	106.2
-77.5°	143.3	143.4	142.3	136.2	129.4	122.1	113.7	103.4	93.1	82.7	74.8
-80°	105.2	105.9	105.2	99.1	92.8	86.6	79.9	71.3	62.7	54.5	48.3
-82.5°	65.3	65.0	64.0	60.3	56.6	52.9	49.0	43.1	37.4	31.8	26.9
-85°	31.1	29.8	28.5	27.2	25.8	24.3	22.7	19.9	17.3	14.9	12.8
-87.5°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
-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: P626731 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	3.9	3.9	3.9	3.9	3.5	3.0	2.7	2.3	2.1	1.8	1.6
85°	12.8	12.5	11.8	10.7	8.5	6.1	5.3	4.6	4.1	3.7	3.2
82.5°	26.8	27.1	27.0	26.2	23.1	19.9	16.5	13.0	9.6	6.1	4.9
80°	48.4	47.9	46.7	44.5	39.4	33.7	29.4	24.9	20.5	16.0	11.2
77.5°	73.2	71.1	68.5	65.6	60.2	53.9	46.6	38.4	31.4	25.8	20.0
75°	100.9	97.5	94.0	89.1	82.2	74.3	66.3	56.7	46.0	36.0	28.7
72.5°	135.5	127.5	120.3	113.6	106.1	97.2	87.0	74.6	61.7	49.5	38.0
70°	170.7	158.6	147.9	138.6	129.6	120.4	109.1	93.9	77.1	62.7	49.2
67.5°	206.5	192.2	177.7	163.9	152.5	141.6	130.8	113.1	93.8	75.6	60.1
65°	245.9	226.8	208.5	191.4	175.9	162.3	149.6	131.0	110.0	89.6	70.7
62.5°	286.5	262.2	240.5	218.7	199.4	182.8	167.6	147.1	125.5	103.1	81.8
60°	329.1	301.4	272.6	247.2	223.6	202.6	184.2	162.9	140.0	116.1	92.9
57.5°	374.1	341.5	309.1	277.0	248.6	223.5	200.3	177.9	154.3	128.9	103.1
55°	419.7	384.6	346.2	310.0	275.2	245.3	217.3	192.3	168.0	141.4	112.0
52.5°	465.2	426.7	385.5	343.7	304.7	267.4	236.1	206.4	180.7	153.7	121.2
50°	512.9	468.8	424.7	379.4	334.1	293.2	254.2	222.5	193.0	165.4	130.0
47.5°	562.5	513.3	464.3	414.8	366.3	317.8	275.4	238.3	204.9	176.0	138.1
45°	616.9	559.4	505.1	451.6	396.7	344.5	296.8	253.4	218.4	184.2	145.6
42.5°	671.3	608.0	547.3	487.9	428.6	371.0	317.0	271.1	231.3	192.1	152.5
40°	729.1	656.8	589.5	525.0	459.7	396.3	339.5	288.4	243.4	200.3	159.1
37.5°	785.3	706.8	632.9	560.5	490.2	423.5	361.1	304.6	254.9	209.5	165.3
35°	844.8	757.0	673.0	596.2	521.6	449.3	381.3	320.9	268.0	218.5	171.1
32.5°	902.4	806.1	716.0	631.4	551.5	473.7	402.1	338.2	280.7	227.2	176.6
30°	958.9	855.5	757.2	664.7	580.6	499.2	423.0	354.4	292.8	235.6	182.0
27.5°	1011.0	901.2	796.7	699.2	609.1	523.4	442.7	369.5	304.3	244.2	188.4
25°	1059.5	945.1	835.7	732.3	635.6	546.4	460.9	383.4	316.0	253.2	194.3
22.5°	1105.0	985.9	871.0	762.8	660.1	567.5	478.6	398.1	327.1	261.5	199.7
20°	1146.4	1022.7	902.6	790.5	684.0	587.6	495.6	411.4	337.0	269.0	204.6
17.5°	1183.7	1056.2	932.8	816.3	706.2	605.4	510.7	423.1	345.7	275.7	208.8
15°	1218.3	1086.8	959.5	838.9	725.4	620.9	523.9	433.2	353.2	281.5	212.9
12.5°	1248.0	1113.0	982.2	858.0	741.6	634.1	535.0	441.6	359.4	286.8	216.8
10°	1272.5	1134.6	1000.7	873.7	754.7	644.8	544.1	448.7	365.2	291.3	219.7
7.5°	1291.6	1151.6	1014.9	885.8	765.1	653.8	551.8	454.9	369.9	294.8	221.8
5°	1306.0	1164.8	1027.3	895.9	774.7	661.0	557.4	459.3	373.2	297.2	222.9
2.5°	1318.9	1174.7	1037.0	902.5	781.2	665.7	560.8	461.9	375.3	298.5	223.2
0°	1326.1	1179.5	1042.4	905.3	784.5	667.8	561.9	462.8	376.0	298.6	222.6
-2.5°	1318.9	1174.7	1037.0	902.5	781.2	665.7	560.8	461.9	375.3	298.5	223.2
-5°	1306.0	1164.8	1027.3	895.9	774.7	661.0	557.4	459.3	373.2	297.2	222.9
-7.5°	1291.6	1151.6	1014.9	885.8	765.1	653.8	551.8	454.9	369.9	294.8	221.8
-10°	1272.5	1134.6	1000.7	873.7	754.7	644.8	544.1	448.7	365.2	291.3	219.7
-12.5°	1248.0	1113.0	982.2	858.0	741.6	634.1	535.0	441.6	359.4	286.8	216.8
-15°	1218.3	1086.8	959.5	838.9	725.4	620.9	523.9	433.2	353.2	281.5	212.9
-17.5°	1183.7	1056.2	932.8	816.3	706.2	605.4	510.7	423.1	345.7	275.7	208.8
-20°	1146.4	1022.7	902.6	790.5	684.0	587.6	495.6	411.4	337.0	269.0	204.6



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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°	1105.0	985.9	871.0	762.8	660.1	567.5	478.6	398.1	327.1	261.5	199.7
-25°	1059.5	945.1	835.7	732.3	635.6	546.4	460.9	383.4	316.0	253.2	194.3
-27.5°	1011.0	901.2	796.7	699.2	609.1	523.4	442.7	369.5	304.3	244.2	188.4
-30°	958.9	855.5	757.2	664.7	580.6	499.2	423.0	354.4	292.8	235.6	182.0
-32.5°	902.4	806.1	716.0	631.4	551.5	473.7	402.1	338.2	280.7	227.2	176.6
-35°	844.8	757.0	673.0	596.2	521.6	449.3	381.3	320.9	268.0	218.5	171.1
-37.5°	785.3	706.8	632.9	560.5	490.2	423.5	361.1	304.6	254.9	209.5	165.3
-40°	729.1	656.8	589.5	525.0	459.7	396.3	339.5	288.4	243.4	200.3	159.1
-42.5°	671.3	608.0	547.3	487.9	428.6	371.0	317.0	271.1	231.3	192.1	152.5
-45°	616.9	559.4	505.1	451.6	396.7	344.5	296.8	253.4	218.4	184.2	145.6
-47.5°	562.5	513.3	464.3	414.8	366.3	317.8	275.4	238.3	204.9	176.0	138.1
-50°	512.9	468.8	424.7	379.4	334.1	293.2	254.2	222.5	193.0	165.4	130.0
-52.5°	465.2	426.7	385.5	343.7	304.7	267.4	236.1	206.4	180.7	153.7	121.2
-55°	419.7	384.6	346.2	310.0	275.2	245.3	217.3	192.3	168.0	141.4	112.0
-57.5°	374.1	341.5	309.1	277.0	248.6	223.5	200.3	177.9	154.3	128.9	103.1
-60°	329.1	301.4	272.6	247.2	223.6	202.6	184.2	162.9	140.0	116.1	92.9
-62.5°	286.5	262.2	240.5	218.7	199.4	182.8	167.6	147.1	125.5	103.1	81.8
-65°	245.9	226.8	208.5	191.4	175.9	162.3	149.6	131.0	110.0	89.6	70.7
-67.5°	206.5	192.2	177.7	163.9	152.5	141.6	130.8	113.1	93.8	75.6	60.1
-70°	170.7	158.6	147.9	138.6	129.6	120.4	109.1	93.9	77.1	62.7	49.2
-72.5°	135.5	127.5	120.3	113.6	106.1	97.2	87.0	74.6	61.7	49.5	38.0
-75°	100.9	97.5	94.0	89.1	82.2	74.3	66.3	56.7	46.0	36.0	28.7
-77.5°	73.2	71.1	68.5	65.6	60.2	53.9	46.6	38.4	31.4	25.8	20.0
-80°	48.4	47.9	46.7	44.5	39.4	33.7	29.4	24.9	20.5	16.0	11.2
-82.5°	26.8	27.1	27.0	26.2	23.1	19.9	16.5	13.0	9.6	6.1	4.9
-85°	12.8	12.5	11.8	10.7	8.5	6.1	5.3	4.6	4.1	3.7	3.2
-87.5°	3.9	3.9	3.9	3.9	3.5	3.0	2.7	2.3	2.1	1.8	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

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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°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
85°	2.8	2.3	1.9	1.4	0.9	0.4	0.0
82.5°	4.2	3.5	2.8	2.1	1.4	0.6	0.0
80°	6.3	4.7	3.7	2.8	1.9	0.8	0.0
77.5°	13.8	7.3	4.7	3.5	2.3	1.0	0.0
75°	21.0	12.7	6.1	4.2	2.8	1.2	0.0
72.5°	28.1	17.9	9.7	4.9	3.2	1.4	0.0
70°	35.2	22.9	13.2	5.8	3.6	1.6	0.0
67.5°	43.6	27.7	16.6	8.0	4.1	1.8	0.0
65°	51.7	33.1	19.8	10.1	4.5	2.0	0.0
62.5°	59.4	39.0	22.9	12.1	4.8	2.2	0.0
60°	66.6	44.6	25.7	14.0	5.2	2.3	0.0
57.5°	74.2	49.8	29.5	15.7	6.3	2.5	0.0
55°	81.5	54.7	33.2	17.4	7.3	2.7	0.0
52.5°	88.1	59.3	36.5	18.9	8.3	2.8	0.0
50°	94.3	64.2	39.6	20.3	9.3	3.0	0.0
47.5°	100.0	68.7	42.5	21.8	10.2	3.1	0.0
45°	106.4	72.7	45.0	23.7	11.0	3.2	0.0
42.5°	112.2	76.3	47.3	25.4	11.9	3.3	0.0
40°	117.5	79.5	49.5	27.1	12.6	3.5	0.0
37.5°	122.3	82.1	51.8	28.8	13.3	3.6	0.0
35°	126.5	85.2	53.7	30.4	14.0	3.7	0.0
32.5°	130.4	88.3	55.3	31.9	14.6	3.8	0.0
30°	134.4	91.0	56.6	33.2	15.2	3.8	0.0
27.5°	138.0	93.2	58.6	34.5	15.7	3.9	0.0
25°	141.2	95.0	60.4	35.6	16.1	4.0	0.0
22.5°	143.9	96.7	62.0	36.5	16.5	4.0	0.0
20°	146.2	99.1	63.4	37.4	16.9	4.1	0.0
17.5°	149.0	101.1	64.6	38.1	17.1	4.1	0.0
15°	151.9	102.6	65.5	38.7	17.4	4.1	0.0
12.5°	154.3	103.7	66.2	39.1	17.6	4.1	0.0
10°	156.1	104.4	66.7	39.4	17.7	4.1	0.0
7.5°	157.3	104.7	67.0	39.6	17.7	4.1	0.0
5°	158.0	104.6	67.0	39.7	17.7	4.1	0.0
2.5°	158.0	104.1	66.9	39.6	17.7	4.1	0.0
0°	157.4	103.2	66.5	39.4	17.6	4.1	0.0
-2.5°	158.0	104.1	66.9	39.6	17.7	4.1	0.0
-5°	158.0	104.6	67.0	39.7	17.7	4.1	0.0
-7.5°	157.3	104.7	67.0	39.6	17.7	4.1	0.0
-10°	156.1	104.4	66.7	39.4	17.7	4.1	0.0
-12.5°	154.3	103.7	66.2	39.1	17.6	4.1	0.0
-15°	151.9	102.6	65.5	38.7	17.4	4.1	0.0
-17.5°	149.0	101.1	64.6	38.1	17.1	4.1	0.0
-20°	146.2	99.1	63.4	37.4	16.9	4.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	143.9	96.7	62.0	36.5	16.5	4.0	0.0
-25°	141.2	95.0	60.4	35.6	16.1	4.0	0.0
-27.5°	138.0	93.2	58.6	34.5	15.7	3.9	0.0
-30°	134.4	91.0	56.6	33.2	15.2	3.8	0.0
-32.5°	130.4	88.3	55.3	31.9	14.6	3.8	0.0
-35°	126.5	85.2	53.7	30.4	14.0	3.7	0.0
-37.5°	122.3	82.1	51.8	28.8	13.3	3.6	0.0
-40°	117.5	79.5	49.5	27.1	12.6	3.5	0.0
-42.5°	112.2	76.3	47.3	25.4	11.9	3.3	0.0
-45°	106.4	72.7	45.0	23.7	11.0	3.2	0.0
-47.5°	100.0	68.7	42.5	21.8	10.2	3.1	0.0
-50°	94.3	64.2	39.6	20.3	9.3	3.0	0.0
-52.5°	88.1	59.3	36.5	18.9	8.3	2.8	0.0
-55°	81.5	54.7	33.2	17.4	7.3	2.7	0.0
-57.5°	74.2	49.8	29.5	15.7	6.3	2.5	0.0
-60°	66.6	44.6	25.7	14.0	5.2	2.3	0.0
-62.5°	59.4	39.0	22.9	12.1	4.8	2.2	0.0
-65°	51.7	33.1	19.8	10.1	4.5	2.0	0.0
-67.5°	43.6	27.7	16.6	8.0	4.1	1.8	0.0
-70°	35.2	22.9	13.2	5.8	3.6	1.6	0.0
-72.5°	28.1	17.9	9.7	4.9	3.2	1.4	0.0
-75°	21.0	12.7	6.1	4.2	2.8	1.2	0.0
-77.5°	13.8	7.3	4.7	3.5	2.3	1.0	0.0
-80°	6.3	4.7	3.7	2.8	1.9	0.8	0.0
-82.5°	4.2	3.5	2.8	2.1	1.4	0.6	0.0
-85°	2.8	2.3	1.9	1.4	0.9	0.4	0.0
-87.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)