

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: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-727-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626721 (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-727-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N15
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

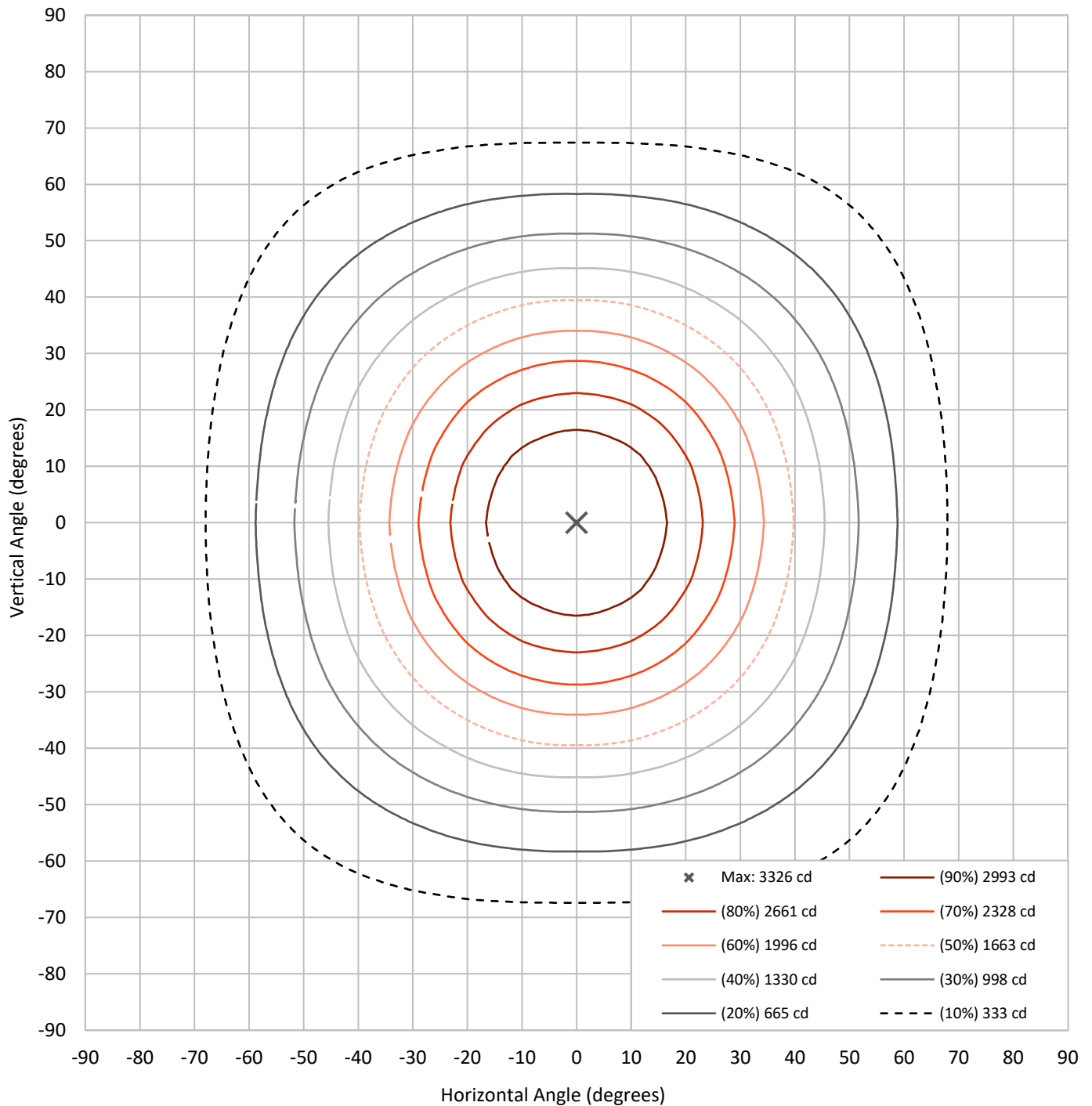
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	6011.5 lumens	Max Intensity:	3326 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	104.9 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:	3525.8 lumens	Field Lumens:	5730.9 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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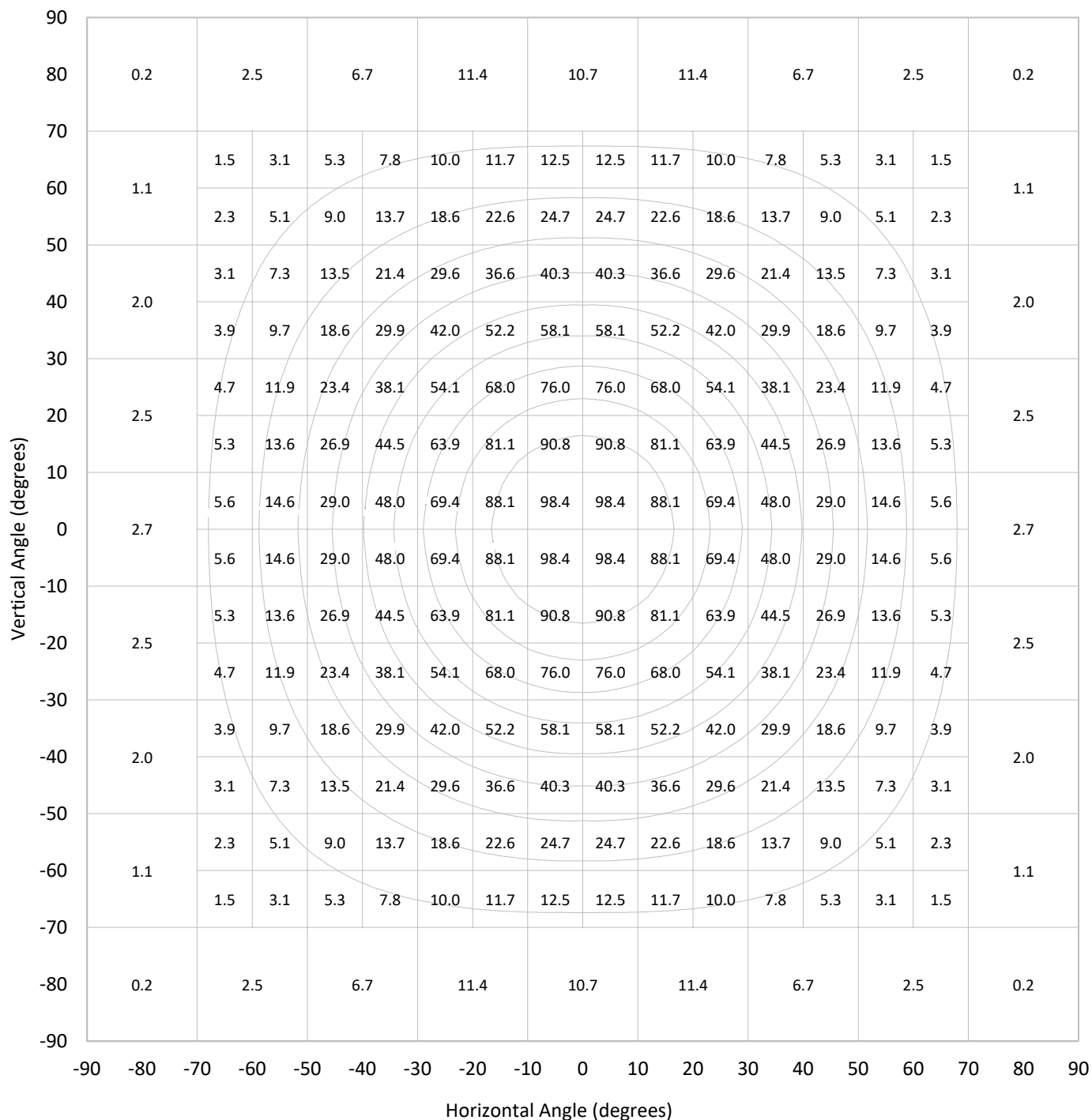
Iso-Candela Plot





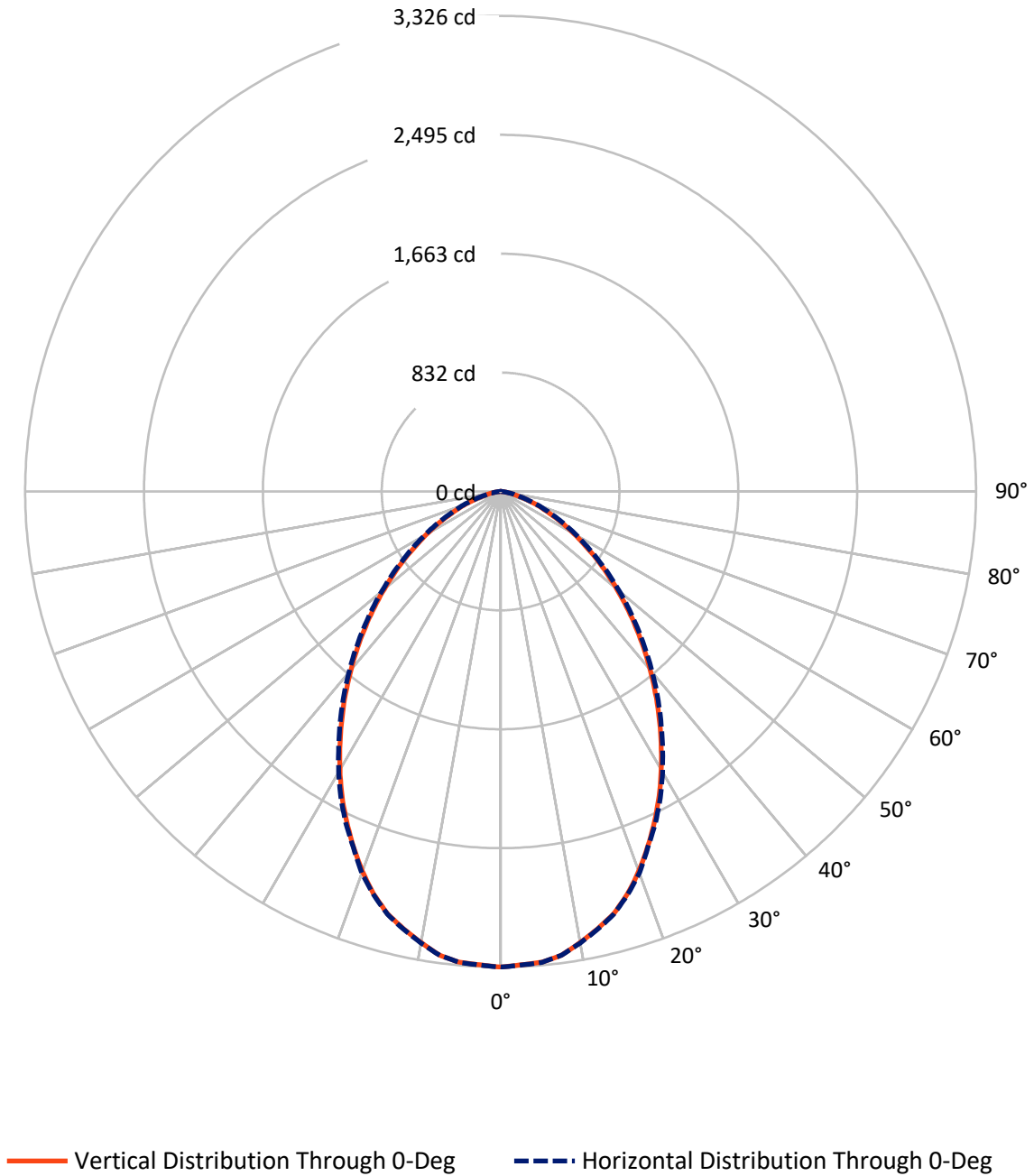
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Lumen Table



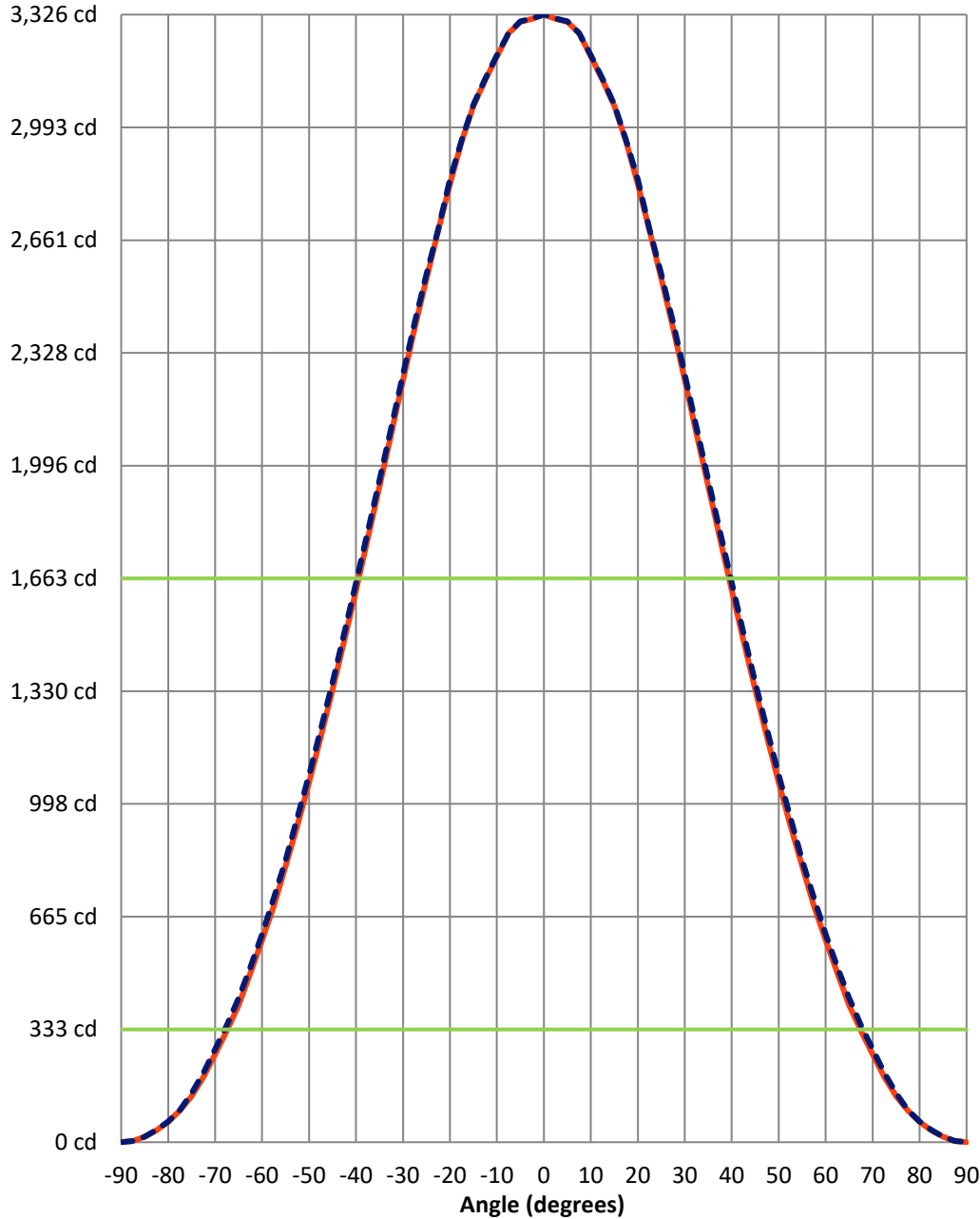
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 79.6°
V Angle: 78.9°
Lumens: 3525.8
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 5730.9
Efficiency: 95.3%

Spill:
Lumens: 280.6
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	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1
85°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.8	4.2
82.5°	0.0	0.6	1.3	2.0	2.6	3.2	3.9	4.5	5.6	8.9	11.9
80°	0.0	0.8	1.7	2.6	3.5	4.3	5.8	10.4	14.7	18.9	22.9
77.5°	0.0	0.9	2.1	3.2	4.3	6.7	12.7	18.4	23.7	28.9	35.3
75°	0.0	1.1	2.6	3.9	5.6	11.7	19.3	26.3	33.1	42.3	52.1
72.5°	0.0	1.3	3.0	4.5	8.9	16.4	25.8	34.9	45.4	56.7	68.6
70°	0.0	1.5	3.4	5.4	12.1	21.0	32.3	45.2	57.6	70.8	86.3
67.5°	0.0	1.6	3.7	7.4	15.2	25.4	40.0	55.2	69.4	86.1	103.9
65°	0.0	1.8	4.1	9.3	18.2	30.4	47.5	65.0	82.3	101.0	120.4
62.5°	0.0	2.0	4.5	11.1	21.0	35.8	54.5	75.2	94.7	115.3	135.1
60°	0.0	2.1	4.8	12.8	23.6	40.9	61.2	85.3	106.6	128.6	149.7
57.5°	0.0	2.3	5.8	14.5	27.1	45.7	68.2	94.7	118.4	141.7	163.5
55°	0.0	2.4	6.7	16.0	30.4	50.2	74.8	102.9	129.9	154.3	176.7
52.5°	0.0	2.6	7.6	17.4	33.6	54.5	81.0	111.4	141.2	166.0	189.6
50°	0.0	2.7	8.5	18.6	36.4	59.0	86.6	119.4	151.9	177.3	204.4
47.5°	0.0	2.8	9.3	20.0	39.0	63.1	91.9	126.8	161.6	188.2	218.8
45°	0.0	2.9	10.1	21.7	41.4	66.8	97.7	133.7	169.2	200.6	232.7
42.5°	0.0	3.1	10.9	23.3	43.4	70.1	103.1	140.1	176.4	212.4	249.0
40°	0.0	3.2	11.6	24.9	45.5	73.0	108.0	146.1	184.0	223.5	264.9
37.5°	0.0	3.2	12.2	26.5	47.6	75.5	112.3	151.8	192.4	234.1	279.8
35°	0.0	3.3	12.9	27.9	49.4	78.3	116.2	157.1	200.6	246.2	294.8
32.5°	0.0	3.4	13.4	29.3	50.9	81.2	119.7	162.2	208.6	257.8	310.7
30°	0.0	3.5	13.9	30.5	52.1	83.6	123.4	167.2	216.3	269.0	325.6
27.5°	0.0	3.5	14.4	31.7	53.9	85.6	126.8	173.0	224.3	279.5	339.4
25°	0.0	3.6	14.8	32.7	55.5	87.2	129.7	178.4	232.6	290.3	352.1
22.5°	0.0	3.6	15.2	33.6	57.0	88.8	132.2	183.4	240.2	300.5	365.7
20°	0.0	3.7	15.5	34.4	58.3	91.0	134.2	187.9	247.1	309.6	377.9
17.5°	0.0	3.7	15.8	35.0	59.3	92.8	136.8	191.8	253.2	317.5	388.6
15°	0.0	3.7	16.0	35.5	60.2	94.2	139.5	195.6	258.6	324.4	397.9
12.5°	0.0	3.7	16.1	35.9	60.8	95.2	141.7	199.1	263.4	330.0	405.6
10°	0.0	3.8	16.2	36.2	61.3	95.9	143.4	201.8	267.6	335.4	412.2
7.5°	0.0	3.8	16.3	36.4	61.5	96.1	144.5	203.7	270.8	339.7	417.8
5°	0.0	3.7	16.3	36.5	61.6	96.0	145.1	204.7	273.0	342.8	421.9
2.5°	0.0	3.7	16.3	36.4	61.4	95.5	145.1	205.0	274.2	344.7	424.3
0°	0.0	3.7	16.2	36.2	61.1	94.7	144.6	204.4	274.3	345.3	425.1
-2.5°	0.0	3.7	16.3	36.4	61.4	95.5	145.1	205.0	274.2	344.7	424.3
-5°	0.0	3.7	16.3	36.5	61.6	96.0	145.1	204.7	273.0	342.8	421.9
-7.5°	0.0	3.8	16.3	36.4	61.5	96.1	144.5	203.7	270.8	339.7	417.8
-10°	0.0	3.8	16.2	36.2	61.3	95.9	143.4	201.8	267.6	335.4	412.2
-12.5°	0.0	3.7	16.1	35.9	60.8	95.2	141.7	199.1	263.4	330.0	405.6
-15°	0.0	3.7	16.0	35.5	60.2	94.2	139.5	195.6	258.6	324.4	397.9
-17.5°	0.0	3.7	15.8	35.0	59.3	92.8	136.8	191.8	253.2	317.5	388.6
-20°	0.0	3.7	15.5	34.4	58.3	91.0	134.2	187.9	247.1	309.6	377.9

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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	3.6	15.2	33.6	57.0	88.8	132.2	183.4	240.2	300.5	365.7
-25°	0.0	3.6	14.8	32.7	55.5	87.2	129.7	178.4	232.6	290.3	352.1
-27.5°	0.0	3.5	14.4	31.7	53.9	85.6	126.8	173.0	224.3	279.5	339.4
-30°	0.0	3.5	13.9	30.5	52.1	83.6	123.4	167.2	216.3	269.0	325.6
-32.5°	0.0	3.4	13.4	29.3	50.9	81.2	119.7	162.2	208.6	257.8	310.7
-35°	0.0	3.3	12.9	27.9	49.4	78.3	116.2	157.1	200.6	246.2	294.8
-37.5°	0.0	3.2	12.2	26.5	47.6	75.5	112.3	151.8	192.4	234.1	279.8
-40°	0.0	3.2	11.6	24.9	45.5	73.0	108.0	146.1	184.0	223.5	264.9
-42.5°	0.0	3.1	10.9	23.3	43.4	70.1	103.1	140.1	176.4	212.4	249.0
-45°	0.0	2.9	10.1	21.7	41.4	66.8	97.7	133.7	169.2	200.6	232.7
-47.5°	0.0	2.8	9.3	20.0	39.0	63.1	91.9	126.8	161.6	188.2	218.8
-50°	0.0	2.7	8.5	18.6	36.4	59.0	86.6	119.4	151.9	177.3	204.4
-52.5°	0.0	2.6	7.6	17.4	33.6	54.5	81.0	111.4	141.2	166.0	189.6
-55°	0.0	2.4	6.7	16.0	30.4	50.2	74.8	102.9	129.9	154.3	176.7
-57.5°	0.0	2.3	5.8	14.5	27.1	45.7	68.2	94.7	118.4	141.7	163.5
-60°	0.0	2.1	4.8	12.8	23.6	40.9	61.2	85.3	106.6	128.6	149.7
-62.5°	0.0	2.0	4.5	11.1	21.0	35.8	54.5	75.2	94.7	115.3	135.1
-65°	0.0	1.8	4.1	9.3	18.2	30.4	47.5	65.0	82.3	101.0	120.4
-67.5°	0.0	1.6	3.7	7.4	15.2	25.4	40.0	55.2	69.4	86.1	103.9
-70°	0.0	1.5	3.4	5.4	12.1	21.0	32.3	45.2	57.6	70.8	86.3
-72.5°	0.0	1.3	3.0	4.5	8.9	16.4	25.8	34.9	45.4	56.7	68.6
-75°	0.0	1.1	2.6	3.9	5.6	11.7	19.3	26.3	33.1	42.3	52.1
-77.5°	0.0	0.9	2.1	3.2	4.3	6.7	12.7	18.4	23.7	28.9	35.3
-80°	0.0	0.8	1.7	2.6	3.5	4.3	5.8	10.4	14.7	18.9	22.9
-82.5°	0.0	0.6	1.3	2.0	2.6	3.2	3.9	4.5	5.6	8.9	11.9
-85°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.8	4.2
-87.5°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-727-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°	2.4	2.8	3.2	3.6	3.6	3.6	3.6	3.5	3.7	3.8	4.0
85°	4.9	5.6	7.8	9.8	10.9	11.5	11.8	11.7	13.7	15.9	18.3
82.5°	15.2	18.3	21.3	24.1	24.9	24.9	24.6	24.7	29.2	34.3	39.6
80°	27.0	31.0	36.3	40.9	42.9	44.0	44.4	44.4	50.0	57.6	65.6
77.5°	42.9	49.5	55.3	60.3	62.9	65.3	67.2	68.7	76.0	85.5	95.0
75°	60.9	68.2	75.5	81.8	86.3	89.6	92.7	97.6	107.1	118.3	128.0
72.5°	79.9	89.3	97.4	104.3	110.5	117.1	124.5	132.6	142.7	153.8	164.0
70°	100.3	110.5	119.1	127.4	135.8	145.7	156.8	167.7	179.0	191.3	203.1
67.5°	120.1	130.1	140.1	150.5	163.2	176.5	189.6	204.7	220.1	233.7	245.9
65°	137.4	149.1	161.6	175.8	191.4	208.3	225.8	243.9	263.4	279.8	294.8
62.5°	154.0	168.0	183.1	200.8	220.8	240.8	263.1	285.7	307.7	327.0	344.9
60°	169.2	186.1	205.3	227.0	250.4	276.9	302.3	328.0	352.2	374.0	396.6
57.5°	184.0	205.3	228.4	254.4	283.9	313.7	343.6	371.2	398.6	425.2	450.7
55°	199.6	225.3	252.8	284.7	318.0	353.2	385.4	416.3	446.3	478.7	509.4
52.5°	216.9	245.5	279.9	315.6	354.1	391.9	427.2	462.4	498.8	535.4	575.4
50°	233.5	269.2	306.9	348.4	390.0	430.5	471.0	511.6	555.2	600.0	645.4
47.5°	252.9	291.9	336.4	381.0	426.4	471.4	516.6	565.6	615.1	667.2	717.4
45°	272.6	316.4	364.3	414.8	463.8	513.8	566.6	620.7	678.8	736.1	796.4
42.5°	291.2	340.8	393.6	448.1	502.7	558.4	616.6	679.8	743.2	809.2	875.5
40°	311.8	363.9	422.2	482.2	541.5	603.3	669.7	738.1	809.9	882.5	954.5
37.5°	331.7	389.0	450.2	514.8	581.3	649.2	721.3	799.0	876.9	955.0	1034.4
35°	350.3	412.7	479.0	547.6	618.1	695.3	776.0	858.9	943.3	1027.8	1113.2
32.5°	369.4	435.0	506.5	579.9	657.6	740.4	828.8	918.7	1008.5	1098.7	1192.2
30°	388.5	458.5	533.2	610.5	695.5	785.7	880.7	975.9	1070.9	1170.2	1269.8
27.5°	406.6	480.7	559.4	642.1	731.8	827.7	928.5	1030.5	1133.0	1238.5	1344.8
25°	423.3	501.8	583.7	672.6	767.6	868.0	973.1	1079.5	1191.9	1304.8	1415.7
22.5°	439.6	521.2	606.2	700.6	800.0	905.5	1014.9	1127.3	1244.7	1366.0	1480.8
20°	455.2	539.6	628.2	726.0	829.1	939.3	1052.9	1170.6	1293.8	1418.3	1541.8
17.5°	469.1	556.0	648.6	749.7	856.8	970.1	1087.1	1208.7	1337.4	1466.5	1597.3
15°	481.2	570.3	666.3	770.5	881.3	998.1	1118.9	1243.9	1375.9	1510.4	1646.4
12.5°	491.4	582.4	681.2	788.1	902.1	1022.2	1146.2	1275.6	1411.2	1549.4	1689.4
10°	499.7	592.2	693.2	802.5	919.0	1042.0	1168.7	1301.8	1441.4	1582.6	1725.5
7.5°	506.8	600.4	702.8	813.6	932.1	1057.6	1186.2	1322.2	1465.5	1608.5	1754.6
5°	512.0	607.0	711.6	822.9	943.5	1069.8	1199.5	1336.8	1483.1	1626.9	1775.6
2.5°	515.1	611.4	717.5	828.9	952.4	1078.9	1211.3	1349.6	1496.0	1641.5	1791.5
0°	516.1	613.3	720.6	831.5	957.4	1083.3	1218.0	1356.3	1502.2	1650.5	1801.4
-2.5°	515.1	611.4	717.5	828.9	952.4	1078.9	1211.3	1349.6	1496.0	1641.5	1791.5
-5°	512.0	607.0	711.6	822.9	943.5	1069.8	1199.5	1336.8	1483.1	1626.9	1775.6
-7.5°	506.8	600.4	702.8	813.6	932.1	1057.6	1186.2	1322.2	1465.5	1608.5	1754.6
-10°	499.7	592.2	693.2	802.5	919.0	1042.0	1168.7	1301.8	1441.4	1582.6	1725.5
-12.5°	491.4	582.4	681.2	788.1	902.1	1022.2	1146.2	1275.6	1411.2	1549.4	1689.4
-15°	481.2	570.3	666.3	770.5	881.3	998.1	1118.9	1243.9	1375.9	1510.4	1646.4
-17.5°	469.1	556.0	648.6	749.7	856.8	970.1	1087.1	1208.7	1337.4	1466.5	1597.3
-20°	455.2	539.6	628.2	726.0	829.1	939.3	1052.9	1170.6	1293.8	1418.3	1541.8

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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°	439.6	521.2	606.2	700.6	800.0	905.5	1014.9	1127.3	1244.7	1366.0	1480.8
-25°	423.3	501.8	583.7	672.6	767.6	868.0	973.1	1079.5	1191.9	1304.8	1415.7
-27.5°	406.6	480.7	559.4	642.1	731.8	827.7	928.5	1030.5	1133.0	1238.5	1344.8
-30°	388.5	458.5	533.2	610.5	695.5	785.7	880.7	975.9	1070.9	1170.2	1269.8
-32.5°	369.4	435.0	506.5	579.9	657.6	740.4	828.8	918.7	1008.5	1098.7	1192.2
-35°	350.3	412.7	479.0	547.6	618.1	695.3	776.0	858.9	943.3	1027.8	1113.2
-37.5°	331.7	389.0	450.2	514.8	581.3	649.2	721.3	799.0	876.9	955.0	1034.4
-40°	311.8	363.9	422.2	482.2	541.5	603.3	669.7	738.1	809.9	882.5	954.5
-42.5°	291.2	340.8	393.6	448.1	502.7	558.4	616.6	679.8	743.2	809.2	875.5
-45°	272.6	316.4	364.3	414.8	463.8	513.8	566.6	620.7	678.8	736.1	796.4
-47.5°	252.9	291.9	336.4	381.0	426.4	471.4	516.6	565.6	615.1	667.2	717.4
-50°	233.5	269.2	306.9	348.4	390.0	430.5	471.0	511.6	555.2	600.0	645.4
-52.5°	216.9	245.5	279.9	315.6	354.1	391.9	427.2	462.4	498.8	535.4	575.4
-55°	199.6	225.3	252.8	284.7	318.0	353.2	385.4	416.3	446.3	478.7	509.4
-57.5°	184.0	205.3	228.4	254.4	283.9	313.7	343.6	371.2	398.6	425.2	450.7
-60°	169.2	186.1	205.3	227.0	250.4	276.9	302.3	328.0	352.2	374.0	396.6
-62.5°	154.0	168.0	183.1	200.8	220.8	240.8	263.1	285.7	307.7	327.0	344.9
-65°	137.4	149.1	161.6	175.8	191.4	208.3	225.8	243.9	263.4	279.8	294.8
-67.5°	120.1	130.1	140.1	150.5	163.2	176.5	189.6	204.7	220.1	233.7	245.9
-70°	100.3	110.5	119.1	127.4	135.8	145.7	156.8	167.7	179.0	191.3	203.1
-72.5°	79.9	89.3	97.4	104.3	110.5	117.1	124.5	132.6	142.7	153.8	164.0
-75°	60.9	68.2	75.5	81.8	86.3	89.6	92.7	97.6	107.1	118.3	128.0
-77.5°	42.9	49.5	55.3	60.3	62.9	65.3	67.2	68.7	76.0	85.5	95.0
-80°	27.0	31.0	36.3	40.9	42.9	44.0	44.4	44.4	50.0	57.6	65.6
-82.5°	15.2	18.3	21.3	24.1	24.9	24.9	24.6	24.7	29.2	34.3	39.6
-85°	4.9	5.6	7.8	9.8	10.9	11.5	11.8	11.7	13.7	15.9	18.3
-87.5°	2.4	2.8	3.2	3.6	3.6	3.6	3.6	3.5	3.7	3.8	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: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.6	4.3
85°	20.8	22.3	23.7	25.0	26.3	27.4	28.6	29.6	30.5	27.9	25.0
82.5°	45.0	48.6	52.0	55.4	58.8	59.7	59.9	59.8	59.3	54.7	49.5
80°	73.4	79.5	85.3	91.0	96.6	97.2	96.6	95.5	93.8	87.7	80.8
77.5°	104.4	112.1	118.9	125.0	130.6	131.7	131.6	131.3	130.8	124.6	117.1
75°	136.3	143.8	151.1	157.2	162.4	164.7	165.9	166.7	167.1	162.7	156.8
72.5°	173.2	181.0	187.4	193.4	198.5	202.1	204.8	206.8	208.1	206.8	204.4
70°	213.2	221.6	228.7	235.4	242.3	247.8	252.0	255.0	256.9	258.2	259.0
67.5°	258.3	269.6	279.4	287.8	296.1	303.9	310.3	315.5	319.5	323.0	325.6
65°	309.1	323.5	336.3	348.0	358.7	370.0	379.3	387.1	393.4	398.5	402.7
62.5°	362.5	380.1	396.5	412.4	428.0	443.4	455.2	465.9	475.5	483.7	490.2
60°	417.9	438.0	460.0	481.0	500.4	518.1	535.6	550.8	563.8	574.6	583.3
57.5°	477.6	503.6	529.3	555.4	580.1	603.1	624.7	643.8	659.9	673.1	684.2
55°	542.0	574.5	604.3	637.3	669.1	698.0	723.5	745.9	765.3	781.6	795.3
52.5°	612.8	652.3	691.1	728.6	764.7	798.2	828.8	854.9	878.1	898.0	913.9
50°	690.3	735.6	780.5	822.1	863.6	902.3	937.3	967.6	994.6	1018.0	1036.4
47.5°	771.4	822.8	873.0	920.7	966.6	1009.7	1047.5	1082.0	1115.7	1143.2	1164.9
45°	855.6	913.3	968.6	1023.2	1073.7	1121.9	1168.7	1211.7	1246.3	1276.5	1301.9
42.5°	940.7	1005.1	1067.1	1126.6	1182.2	1238.0	1290.6	1337.6	1377.0	1411.4	1440.3
40°	1027.1	1097.5	1165.8	1230.7	1294.2	1355.0	1411.9	1461.5	1506.0	1546.8	1580.9
37.5°	1112.9	1190.4	1266.1	1338.7	1408.8	1474.7	1536.1	1592.1	1642.3	1688.8	1726.6
35°	1199.2	1284.2	1367.0	1447.0	1523.5	1596.2	1663.5	1727.2	1786.3	1833.4	1872.1
32.5°	1285.1	1376.5	1466.7	1554.7	1638.4	1716.8	1789.7	1860.1	1920.9	1972.7	2017.2
30°	1368.2	1467.3	1565.4	1660.9	1751.3	1836.2	1916.9	1991.4	2056.8	2113.5	2163.4
27.5°	1449.8	1556.2	1661.5	1763.5	1861.2	1953.5	2041.7	2122.4	2193.8	2255.4	2308.0
25°	1526.9	1641.3	1753.6	1861.7	1966.1	2067.9	2163.0	2251.1	2327.3	2395.0	2449.0
22.5°	1600.5	1722.6	1840.5	1954.3	2066.0	2175.7	2279.8	2371.8	2452.6	2523.3	2583.1
20°	1669.2	1799.9	1920.6	2040.9	2158.6	2275.7	2387.5	2484.6	2570.1	2645.3	2711.3
17.5°	1733.4	1867.5	1994.5	2122.6	2246.6	2369.5	2483.1	2587.1	2679.4	2759.3	2828.3
15°	1787.7	1923.1	2061.9	2198.6	2329.3	2453.8	2567.3	2676.0	2778.4	2864.8	2934.8
12.5°	1831.7	1972.4	2117.3	2262.4	2400.7	2525.0	2643.8	2754.0	2861.6	2958.7	3023.0
10°	1869.1	2014.1	2163.6	2311.6	2451.7	2583.3	2712.5	2829.0	2934.7	3021.6	3093.5
7.5°	1901.5	2050.9	2202.7	2351.0	2490.6	2626.5	2759.5	2883.3	2990.0	3071.8	3136.0
5°	1925.4	2078.3	2233.1	2382.7	2524.3	2660.7	2794.2	2916.4	3020.6	3103.9	3173.9
2.5°	1942.5	2096.9	2252.7	2402.6	2547.3	2684.0	2821.0	2944.5	3045.4	3121.7	3188.7
0°	1953.5	2108.1	2265.1	2418.5	2560.6	2692.7	2839.8	2955.8	3060.5	3136.5	3206.3
-2.5°	1942.5	2096.9	2252.7	2402.6	2547.3	2684.0	2821.0	2944.5	3045.4	3121.7	3188.7
-5°	1925.4	2078.3	2233.1	2382.7	2524.3	2660.7	2794.2	2916.4	3020.6	3103.9	3173.9
-7.5°	1901.5	2050.9	2202.7	2351.0	2490.6	2626.5	2759.5	2883.3	2990.0	3071.8	3136.0
-10°	1869.1	2014.1	2163.6	2311.6	2451.7	2583.3	2712.5	2829.0	2934.7	3021.6	3093.5
-12.5°	1831.7	1972.4	2117.3	2262.4	2400.7	2525.0	2643.8	2754.0	2861.6	2958.7	3023.0
-15°	1787.7	1923.1	2061.9	2198.6	2329.3	2453.8	2567.3	2676.0	2778.4	2864.8	2934.8
-17.5°	1733.4	1867.5	1994.5	2122.6	2246.6	2369.5	2483.1	2587.1	2679.4	2759.3	2828.3
-20°	1669.2	1799.9	1920.6	2040.9	2158.6	2275.7	2387.5	2484.6	2570.1	2645.3	2711.3

Classified

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

Scaled Data Report



REPORT NUMBER: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	1600.5	1722.6	1840.5	1954.3	2066.0	2175.7	2279.8	2371.8	2452.6	2523.3	2583.1
-25°	1526.9	1641.3	1753.6	1861.7	1966.1	2067.9	2163.0	2251.1	2327.3	2395.0	2449.0
-27.5°	1449.8	1556.2	1661.5	1763.5	1861.2	1953.5	2041.7	2122.4	2193.8	2255.4	2308.0
-30°	1368.2	1467.3	1565.4	1660.9	1751.3	1836.2	1916.9	1991.4	2056.8	2113.5	2163.4
-32.5°	1285.1	1376.5	1466.7	1554.7	1638.4	1716.8	1789.7	1860.1	1920.9	1972.7	2017.2
-35°	1199.2	1284.2	1367.0	1447.0	1523.5	1596.2	1663.5	1727.2	1786.3	1833.4	1872.1
-37.5°	1112.9	1190.4	1266.1	1338.7	1408.8	1474.7	1536.1	1592.1	1642.3	1688.8	1726.6
-40°	1027.1	1097.5	1165.8	1230.7	1294.2	1355.0	1411.9	1461.5	1506.0	1546.8	1580.9
-42.5°	940.7	1005.1	1067.1	1126.6	1182.2	1238.0	1290.6	1337.6	1377.0	1411.4	1440.3
-45°	855.6	913.3	968.6	1023.2	1073.7	1121.9	1168.7	1211.7	1246.3	1276.5	1301.9
-47.5°	771.4	822.8	873.0	920.7	966.6	1009.7	1047.5	1082.0	1115.7	1143.2	1164.9
-50°	690.3	735.6	780.5	822.1	863.6	902.3	937.3	967.6	994.6	1018.0	1036.4
-52.5°	612.8	652.3	691.1	728.6	764.7	798.2	828.8	854.9	878.1	898.0	913.9
-55°	542.0	574.5	604.3	637.3	669.1	698.0	723.5	745.9	765.3	781.6	795.3
-57.5°	477.6	503.6	529.3	555.4	580.1	603.1	624.7	643.8	659.9	673.1	684.2
-60°	417.9	438.0	460.0	481.0	500.4	518.1	535.6	550.8	563.8	574.6	583.3
-62.5°	362.5	380.1	396.5	412.4	428.0	443.4	455.2	465.9	475.5	483.7	490.2
-65°	309.1	323.5	336.3	348.0	358.7	370.0	379.3	387.1	393.4	398.5	402.7
-67.5°	258.3	269.6	279.4	287.8	296.1	303.9	310.3	315.5	319.5	323.0	325.6
-70°	213.2	221.6	228.7	235.4	242.3	247.8	252.0	255.0	256.9	258.2	259.0
-72.5°	173.2	181.0	187.4	193.4	198.5	202.1	204.8	206.8	208.1	206.8	204.4
-75°	136.3	143.8	151.1	157.2	162.4	164.7	165.9	166.7	167.1	162.7	156.8
-77.5°	104.4	112.1	118.9	125.0	130.6	131.7	131.6	131.3	130.8	124.6	117.1
-80°	73.4	79.5	85.3	91.0	96.6	97.2	96.6	95.5	93.8	87.7	80.8
-82.5°	45.0	48.6	52.0	55.4	58.8	59.7	59.9	59.8	59.3	54.7	49.5
-85°	20.8	22.3	23.7	25.0	26.3	27.4	28.6	29.6	30.5	27.9	25.0
-87.5°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.6	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: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	4.0	3.7	3.7	3.7	3.7	3.7	4.0	4.3	4.6	4.8	4.8
85°	21.9	18.6	17.4	16.2	17.4	18.6	21.9	25.0	27.9	30.5	29.6
82.5°	44.1	38.5	36.7	34.9	36.7	38.5	44.1	49.5	54.7	59.3	59.8
80°	73.5	65.9	62.9	59.8	62.9	65.9	73.5	80.8	87.7	93.8	95.5
77.5°	109.1	100.8	97.2	93.5	97.2	100.8	109.1	117.1	124.6	130.8	131.3
75°	150.7	144.1	140.2	135.9	140.2	144.1	150.7	156.8	162.7	167.1	166.7
72.5°	201.7	198.4	195.6	192.0	195.6	198.4	201.7	204.4	206.8	208.1	206.8
70°	259.3	258.9	259.4	259.3	259.4	258.9	259.3	259.0	258.2	256.9	255.0
67.5°	327.0	327.1	328.5	329.1	328.5	327.1	327.0	325.6	323.0	319.5	315.5
65°	405.3	406.2	405.9	403.9	405.9	406.2	405.3	402.7	398.5	393.4	387.1
62.5°	494.8	497.5	499.0	498.7	499.0	497.5	494.8	490.2	483.7	475.5	465.9
60°	589.8	594.0	596.1	595.9	596.1	594.0	589.8	583.3	574.6	563.8	550.8
57.5°	692.4	697.9	699.1	696.9	699.1	697.9	692.4	684.2	673.1	659.9	643.8
55°	805.7	812.6	815.3	814.0	815.3	812.6	805.7	795.3	781.6	765.3	745.9
52.5°	925.5	933.0	935.7	933.7	935.7	933.0	925.5	913.9	898.0	878.1	854.9
50°	1049.9	1059.0	1062.6	1060.9	1062.6	1059.0	1049.9	1036.4	1018.0	994.6	967.6
47.5°	1181.9	1194.0	1198.7	1195.5	1198.7	1194.0	1181.9	1164.9	1143.2	1115.7	1082.0
45°	1320.9	1333.4	1338.3	1335.1	1338.3	1333.4	1320.9	1301.9	1276.5	1246.3	1211.7
42.5°	1462.4	1478.6	1485.4	1479.7	1485.4	1478.6	1462.4	1440.3	1411.4	1377.0	1337.6
40°	1606.3	1623.9	1632.1	1628.1	1632.1	1623.9	1606.3	1580.9	1546.8	1506.0	1461.5
37.5°	1753.9	1771.5	1780.1	1780.2	1780.1	1771.5	1753.9	1726.6	1688.8	1642.3	1592.1
35°	1902.0	1923.3	1935.4	1934.8	1935.4	1923.3	1902.0	1872.1	1833.4	1786.3	1727.2
32.5°	2052.3	2075.3	2087.6	2089.4	2087.6	2075.3	2052.3	2017.2	1972.7	1920.9	1860.1
30°	2202.3	2227.6	2241.9	2247.7	2241.9	2227.6	2202.3	2163.4	2113.5	2056.8	1991.4
27.5°	2347.8	2378.9	2400.4	2402.3	2400.4	2378.9	2347.8	2308.0	2255.4	2193.8	2122.4
25°	2488.7	2520.4	2542.4	2546.9	2542.4	2520.4	2488.7	2449.0	2395.0	2327.3	2251.1
22.5°	2627.5	2660.6	2681.0	2689.0	2681.0	2660.6	2627.5	2583.1	2523.3	2452.6	2371.8
20°	2760.1	2796.0	2817.5	2826.1	2817.5	2796.0	2760.1	2711.3	2645.3	2570.1	2484.6
17.5°	2880.0	2917.9	2944.5	2952.0	2944.5	2917.9	2880.0	2828.3	2759.3	2679.4	2587.1
15°	2985.5	3021.5	3046.7	3056.7	3046.7	3021.5	2985.5	2934.8	2864.8	2778.4	2676.0
12.5°	3071.4	3103.6	3123.3	3132.8	3123.3	3103.6	3071.4	3023.0	2958.7	2861.6	2754.0
10°	3138.5	3170.8	3189.7	3202.6	3189.7	3170.8	3138.5	3093.5	3021.6	2934.7	2829.0
7.5°	3196.7	3229.8	3253.0	3271.2	3253.0	3229.8	3196.7	3136.0	3071.8	2990.0	2883.3
5°	3228.9	3284.1	3292.4	3304.8	3292.4	3284.1	3228.9	3173.9	3103.9	3020.6	2916.4
2.5°	3253.4	3292.6	3316.1	3313.5	3316.1	3292.6	3253.4	3188.7	3121.7	3045.4	2944.5
0°	3271.2	3306.1	3314.8	3326.0	3314.8	3306.1	3271.2	3206.3	3136.5	3060.5	2955.8
-2.5°	3253.4	3292.6	3316.1	3313.5	3316.1	3292.6	3253.4	3188.7	3121.7	3045.4	2944.5
-5°	3228.9	3284.1	3292.4	3304.8	3292.4	3284.1	3228.9	3173.9	3103.9	3020.6	2916.4
-7.5°	3196.7	3229.8	3253.0	3271.2	3253.0	3229.8	3196.7	3136.0	3071.8	2990.0	2883.3
-10°	3138.5	3170.8	3189.7	3202.6	3189.7	3170.8	3138.5	3093.5	3021.6	2934.7	2829.0
-12.5°	3071.4	3103.6	3123.3	3132.8	3123.3	3103.6	3071.4	3023.0	2958.7	2861.6	2754.0
-15°	2985.5	3021.5	3046.7	3056.7	3046.7	3021.5	2985.5	2934.8	2864.8	2778.4	2676.0
-17.5°	2880.0	2917.9	2944.5	2952.0	2944.5	2917.9	2880.0	2828.3	2759.3	2679.4	2587.1
-20°	2760.1	2796.0	2817.5	2826.1	2817.5	2796.0	2760.1	2711.3	2645.3	2570.1	2484.6



REPORT NUMBER: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	2627.5	2660.6	2681.0	2689.0	2681.0	2660.6	2627.5	2583.1	2523.3	2452.6	2371.8
-25°	2488.7	2520.4	2542.4	2546.9	2542.4	2520.4	2488.7	2449.0	2395.0	2327.3	2251.1
-27.5°	2347.8	2378.9	2400.4	2402.3	2400.4	2378.9	2347.8	2308.0	2255.4	2193.8	2122.4
-30°	2202.3	2227.6	2241.9	2247.7	2241.9	2227.6	2202.3	2163.4	2113.5	2056.8	1991.4
-32.5°	2052.3	2075.3	2087.6	2089.4	2087.6	2075.3	2052.3	2017.2	1972.7	1920.9	1860.1
-35°	1902.0	1923.3	1935.4	1934.8	1935.4	1923.3	1902.0	1872.1	1833.4	1786.3	1727.2
-37.5°	1753.9	1771.5	1780.1	1780.2	1780.1	1771.5	1753.9	1726.6	1688.8	1642.3	1592.1
-40°	1606.3	1623.9	1632.1	1628.1	1632.1	1623.9	1606.3	1580.9	1546.8	1506.0	1461.5
-42.5°	1462.4	1478.6	1485.4	1479.7	1485.4	1478.6	1462.4	1440.3	1411.4	1377.0	1337.6
-45°	1320.9	1333.4	1338.3	1335.1	1338.3	1333.4	1320.9	1301.9	1276.5	1246.3	1211.7
-47.5°	1181.9	1194.0	1198.7	1195.5	1198.7	1194.0	1181.9	1164.9	1143.2	1115.7	1082.0
-50°	1049.9	1059.0	1062.6	1060.9	1062.6	1059.0	1049.9	1036.4	1018.0	994.6	967.6
-52.5°	925.5	933.0	935.7	933.7	935.7	933.0	925.5	913.9	898.0	878.1	854.9
-55°	805.7	812.6	815.3	814.0	815.3	812.6	805.7	795.3	781.6	765.3	745.9
-57.5°	692.4	697.9	699.1	696.9	699.1	697.9	692.4	684.2	673.1	659.9	643.8
-60°	589.8	594.0	596.1	595.9	596.1	594.0	589.8	583.3	574.6	563.8	550.8
-62.5°	494.8	497.5	499.0	498.7	499.0	497.5	494.8	490.2	483.7	475.5	465.9
-65°	405.3	406.2	405.9	403.9	405.9	406.2	405.3	402.7	398.5	393.4	387.1
-67.5°	327.0	327.1	328.5	329.1	328.5	327.1	327.0	325.6	323.0	319.5	315.5
-70°	259.3	258.9	259.4	259.3	259.4	258.9	259.3	259.0	258.2	256.9	255.0
-72.5°	201.7	198.4	195.6	192.0	195.6	198.4	201.7	204.4	206.8	208.1	206.8
-75°	150.7	144.1	140.2	135.9	140.2	144.1	150.7	156.8	162.7	167.1	166.7
-77.5°	109.1	100.8	97.2	93.5	97.2	100.8	109.1	117.1	124.6	130.8	131.3
-80°	73.5	65.9	62.9	59.8	62.9	65.9	73.5	80.8	87.7	93.8	95.5
-82.5°	44.1	38.5	36.7	34.9	36.7	38.5	44.1	49.5	54.7	59.3	59.8
-85°	21.9	18.6	17.4	16.2	17.4	18.6	21.9	25.0	27.9	30.5	29.6
-87.5°	4.0	3.7	3.7	3.7	3.7	3.7	4.0	4.3	4.6	4.8	4.8
-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: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
85°	28.6	27.4	26.3	25.0	23.7	22.3	20.8	18.3	15.9	13.7	11.7
82.5°	59.9	59.7	58.8	55.4	52.0	48.6	45.0	39.6	34.3	29.2	24.7
80°	96.6	97.2	96.6	91.0	85.3	79.5	73.4	65.6	57.6	50.0	44.4
77.5°	131.6	131.7	130.6	125.0	118.9	112.1	104.4	95.0	85.5	76.0	68.7
75°	165.9	164.7	162.4	157.2	151.1	143.8	136.3	128.0	118.3	107.1	97.6
72.5°	204.8	202.1	198.5	193.4	187.4	181.0	173.2	164.0	153.8	142.7	132.6
70°	252.0	247.8	242.3	235.4	228.7	221.6	213.2	203.1	191.3	179.0	167.7
67.5°	310.3	303.9	296.1	287.8	279.4	269.6	258.3	245.9	233.7	220.1	204.7
65°	379.3	370.0	358.7	348.0	336.3	323.5	309.1	294.8	279.8	263.4	243.9
62.5°	455.2	443.4	428.0	412.4	396.5	380.1	362.5	344.9	327.0	307.7	285.7
60°	535.6	518.1	500.4	481.0	460.0	438.0	417.9	396.6	374.0	352.2	328.0
57.5°	624.7	603.1	580.1	555.4	529.3	503.6	477.6	450.7	425.2	398.6	371.2
55°	723.5	698.0	669.1	637.3	604.3	574.5	542.0	509.4	478.7	446.3	416.3
52.5°	828.8	798.2	764.7	728.6	691.1	652.3	612.8	575.4	535.4	498.8	462.4
50°	937.3	902.3	863.6	822.1	780.5	735.6	690.3	645.4	600.0	555.2	511.6
47.5°	1047.5	1009.7	966.6	920.7	873.0	822.8	771.4	717.4	667.2	615.1	565.6
45°	1168.7	1121.9	1073.7	1023.2	968.6	913.3	855.6	796.4	736.1	678.8	620.7
42.5°	1290.6	1238.0	1182.2	1126.6	1067.1	1005.1	940.7	875.5	809.2	743.2	679.8
40°	1411.9	1355.0	1294.2	1230.7	1165.8	1097.5	1027.1	954.5	882.5	809.9	738.1
37.5°	1536.1	1474.7	1408.8	1338.7	1266.1	1190.4	1112.9	1034.4	955.0	876.9	799.0
35°	1663.5	1596.2	1523.5	1447.0	1367.0	1284.2	1199.2	1113.2	1027.8	943.3	858.9
32.5°	1789.7	1716.8	1638.4	1554.7	1466.7	1376.5	1285.1	1192.2	1098.7	1008.5	918.7
30°	1916.9	1836.2	1751.3	1660.9	1565.4	1467.3	1368.2	1269.8	1170.2	1070.9	975.9
27.5°	2041.7	1953.5	1861.2	1763.5	1661.5	1556.2	1449.8	1344.8	1238.5	1133.0	1030.5
25°	2163.0	2067.9	1966.1	1861.7	1753.6	1641.3	1526.9	1415.7	1304.8	1191.9	1079.5
22.5°	2279.8	2175.7	2066.0	1954.3	1840.5	1722.6	1600.5	1480.8	1366.0	1244.7	1127.3
20°	2387.5	2275.7	2158.6	2040.9	1920.6	1799.9	1669.2	1541.8	1418.3	1293.8	1170.6
17.5°	2483.1	2369.5	2246.6	2122.6	1994.5	1867.5	1733.4	1597.3	1466.5	1337.4	1208.7
15°	2567.3	2453.8	2329.3	2198.6	2061.9	1923.1	1787.7	1646.4	1510.4	1375.9	1243.9
12.5°	2643.8	2525.0	2400.7	2262.4	2117.3	1972.4	1831.7	1689.4	1549.4	1411.2	1275.6
10°	2712.5	2583.3	2451.7	2311.6	2163.6	2014.1	1869.1	1725.5	1582.6	1441.4	1301.8
7.5°	2759.5	2626.5	2490.6	2351.0	2202.7	2050.9	1901.5	1754.6	1608.5	1465.5	1322.2
5°	2794.2	2660.7	2524.3	2382.7	2233.1	2078.3	1925.4	1775.6	1626.9	1483.1	1336.8
2.5°	2821.0	2684.0	2547.3	2402.6	2252.7	2096.9	1942.5	1791.5	1641.5	1496.0	1349.6
0°	2839.8	2692.7	2560.6	2418.5	2265.1	2108.1	1953.5	1801.4	1650.5	1502.2	1356.3
-2.5°	2821.0	2684.0	2547.3	2402.6	2252.7	2096.9	1942.5	1791.5	1641.5	1496.0	1349.6
-5°	2794.2	2660.7	2524.3	2382.7	2233.1	2078.3	1925.4	1775.6	1626.9	1483.1	1336.8
-7.5°	2759.5	2626.5	2490.6	2351.0	2202.7	2050.9	1901.5	1754.6	1608.5	1465.5	1322.2
-10°	2712.5	2583.3	2451.7	2311.6	2163.6	2014.1	1869.1	1725.5	1582.6	1441.4	1301.8
-12.5°	2643.8	2525.0	2400.7	2262.4	2117.3	1972.4	1831.7	1689.4	1549.4	1411.2	1275.6
-15°	2567.3	2453.8	2329.3	2198.6	2061.9	1923.1	1787.7	1646.4	1510.4	1375.9	1243.9
-17.5°	2483.1	2369.5	2246.6	2122.6	1994.5	1867.5	1733.4	1597.3	1466.5	1337.4	1208.7
-20°	2387.5	2275.7	2158.6	2040.9	1920.6	1799.9	1669.2	1541.8	1418.3	1293.8	1170.6



REPORT NUMBER: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	2279.8	2175.7	2066.0	1954.3	1840.5	1722.6	1600.5	1480.8	1366.0	1244.7	1127.3
-25°	2163.0	2067.9	1966.1	1861.7	1753.6	1641.3	1526.9	1415.7	1304.8	1191.9	1079.5
-27.5°	2041.7	1953.5	1861.2	1763.5	1661.5	1556.2	1449.8	1344.8	1238.5	1133.0	1030.5
-30°	1916.9	1836.2	1751.3	1660.9	1565.4	1467.3	1368.2	1269.8	1170.2	1070.9	975.9
-32.5°	1789.7	1716.8	1638.4	1554.7	1466.7	1376.5	1285.1	1192.2	1098.7	1008.5	918.7
-35°	1663.5	1596.2	1523.5	1447.0	1367.0	1284.2	1199.2	1113.2	1027.8	943.3	858.9
-37.5°	1536.1	1474.7	1408.8	1338.7	1266.1	1190.4	1112.9	1034.4	955.0	876.9	799.0
-40°	1411.9	1355.0	1294.2	1230.7	1165.8	1097.5	1027.1	954.5	882.5	809.9	738.1
-42.5°	1290.6	1238.0	1182.2	1126.6	1067.1	1005.1	940.7	875.5	809.2	743.2	679.8
-45°	1168.7	1121.9	1073.7	1023.2	968.6	913.3	855.6	796.4	736.1	678.8	620.7
-47.5°	1047.5	1009.7	966.6	920.7	873.0	822.8	771.4	717.4	667.2	615.1	565.6
-50°	937.3	902.3	863.6	822.1	780.5	735.6	690.3	645.4	600.0	555.2	511.6
-52.5°	828.8	798.2	764.7	728.6	691.1	652.3	612.8	575.4	535.4	498.8	462.4
-55°	723.5	698.0	669.1	637.3	604.3	574.5	542.0	509.4	478.7	446.3	416.3
-57.5°	624.7	603.1	580.1	555.4	529.3	503.6	477.6	450.7	425.2	398.6	371.2
-60°	535.6	518.1	500.4	481.0	460.0	438.0	417.9	396.6	374.0	352.2	328.0
-62.5°	455.2	443.4	428.0	412.4	396.5	380.1	362.5	344.9	327.0	307.7	285.7
-65°	379.3	370.0	358.7	348.0	336.3	323.5	309.1	294.8	279.8	263.4	243.9
-67.5°	310.3	303.9	296.1	287.8	279.4	269.6	258.3	245.9	233.7	220.1	204.7
-70°	252.0	247.8	242.3	235.4	228.7	221.6	213.2	203.1	191.3	179.0	167.7
-72.5°	204.8	202.1	198.5	193.4	187.4	181.0	173.2	164.0	153.8	142.7	132.6
-75°	165.9	164.7	162.4	157.2	151.1	143.8	136.3	128.0	118.3	107.1	97.6
-77.5°	131.6	131.7	130.6	125.0	118.9	112.1	104.4	95.0	85.5	76.0	68.7
-80°	96.6	97.2	96.6	91.0	85.3	79.5	73.4	65.6	57.6	50.0	44.4
-82.5°	59.9	59.7	58.8	55.4	52.0	48.6	45.0	39.6	34.3	29.2	24.7
-85°	28.6	27.4	26.3	25.0	23.7	22.3	20.8	18.3	15.9	13.7	11.7
-87.5°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
-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: P626721 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	3.6	3.6	3.6	3.6	3.2	2.8	2.4	2.1	1.9	1.7	1.5
85°	11.8	11.5	10.9	9.8	7.8	5.6	4.9	4.2	3.8	3.4	3.0
82.5°	24.6	24.9	24.9	24.1	21.3	18.3	15.2	11.9	8.9	5.6	4.5
80°	44.4	44.0	42.9	40.9	36.3	31.0	27.0	22.9	18.9	14.7	10.4
77.5°	67.2	65.3	62.9	60.3	55.3	49.5	42.9	35.3	28.9	23.7	18.4
75°	92.7	89.6	86.3	81.8	75.5	68.2	60.9	52.1	42.3	33.1	26.3
72.5°	124.5	117.1	110.5	104.3	97.4	89.3	79.9	68.6	56.7	45.4	34.9
70°	156.8	145.7	135.8	127.4	119.1	110.5	100.3	86.3	70.8	57.6	45.2
67.5°	189.6	176.5	163.2	150.5	140.1	130.1	120.1	103.9	86.1	69.4	55.2
65°	225.8	208.3	191.4	175.8	161.6	149.1	137.4	120.4	101.0	82.3	65.0
62.5°	263.1	240.8	220.8	200.8	183.1	168.0	154.0	135.1	115.3	94.7	75.2
60°	302.3	276.9	250.4	227.0	205.3	186.1	169.2	149.7	128.6	106.6	85.3
57.5°	343.6	313.7	283.9	254.4	228.4	205.3	184.0	163.5	141.7	118.4	94.7
55°	385.4	353.2	318.0	284.7	252.8	225.3	199.6	176.7	154.3	129.9	102.9
52.5°	427.2	391.9	354.1	315.6	279.9	245.5	216.9	189.6	166.0	141.2	111.4
50°	471.0	430.5	390.0	348.4	306.9	269.2	233.5	204.4	177.3	151.9	119.4
47.5°	516.6	471.4	426.4	381.0	336.4	291.9	252.9	218.8	188.2	161.6	126.8
45°	566.6	513.8	463.8	414.8	364.3	316.4	272.6	232.7	200.6	169.2	133.7
42.5°	616.6	558.4	502.7	448.1	393.6	340.8	291.2	249.0	212.4	176.4	140.1
40°	669.7	603.3	541.5	482.2	422.2	363.9	311.8	264.9	223.5	184.0	146.1
37.5°	721.3	649.2	581.3	514.8	450.2	389.0	331.7	279.8	234.1	192.4	151.8
35°	776.0	695.3	618.1	547.6	479.0	412.7	350.3	294.8	246.2	200.6	157.1
32.5°	828.8	740.4	657.6	579.9	506.5	435.0	369.4	310.7	257.8	208.6	162.2
30°	880.7	785.7	695.5	610.5	533.2	458.5	388.5	325.6	269.0	216.3	167.2
27.5°	928.5	827.7	731.8	642.1	559.4	480.7	406.6	339.4	279.5	224.3	173.0
25°	973.1	868.0	767.6	672.6	583.7	501.8	423.3	352.1	290.3	232.6	178.4
22.5°	1014.9	905.5	800.0	700.6	606.2	521.2	439.6	365.7	300.5	240.2	183.4
20°	1052.9	939.3	829.1	726.0	628.2	539.6	455.2	377.9	309.6	247.1	187.9
17.5°	1087.1	970.1	856.8	749.7	648.6	556.0	469.1	388.6	317.5	253.2	191.8
15°	1118.9	998.1	881.3	770.5	666.3	570.3	481.2	397.9	324.4	258.6	195.6
12.5°	1146.2	1022.2	902.1	788.1	681.2	582.4	491.4	405.6	330.0	263.4	199.1
10°	1168.7	1042.0	919.0	802.5	693.2	592.2	499.7	412.2	335.4	267.6	201.8
7.5°	1186.2	1057.6	932.1	813.6	702.8	600.4	506.8	417.8	339.7	270.8	203.7
5°	1199.5	1069.8	943.5	822.9	711.6	607.0	512.0	421.9	342.8	273.0	204.7
2.5°	1211.3	1078.9	952.4	828.9	717.5	611.4	515.1	424.3	344.7	274.2	205.0
0°	1218.0	1083.3	957.4	831.5	720.6	613.3	516.1	425.1	345.3	274.3	204.4
-2.5°	1211.3	1078.9	952.4	828.9	717.5	611.4	515.1	424.3	344.7	274.2	205.0
-5°	1199.5	1069.8	943.5	822.9	711.6	607.0	512.0	421.9	342.8	273.0	204.7
-7.5°	1186.2	1057.6	932.1	813.6	702.8	600.4	506.8	417.8	339.7	270.8	203.7
-10°	1168.7	1042.0	919.0	802.5	693.2	592.2	499.7	412.2	335.4	267.6	201.8
-12.5°	1146.2	1022.2	902.1	788.1	681.2	582.4	491.4	405.6	330.0	263.4	199.1
-15°	1118.9	998.1	881.3	770.5	666.3	570.3	481.2	397.9	324.4	258.6	195.6
-17.5°	1087.1	970.1	856.8	749.7	648.6	556.0	469.1	388.6	317.5	253.2	191.8
-20°	1052.9	939.3	829.1	726.0	628.2	539.6	455.2	377.9	309.6	247.1	187.9



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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°	1014.9	905.5	800.0	700.6	606.2	521.2	439.6	365.7	300.5	240.2	183.4
-25°	973.1	868.0	767.6	672.6	583.7	501.8	423.3	352.1	290.3	232.6	178.4
-27.5°	928.5	827.7	731.8	642.1	559.4	480.7	406.6	339.4	279.5	224.3	173.0
-30°	880.7	785.7	695.5	610.5	533.2	458.5	388.5	325.6	269.0	216.3	167.2
-32.5°	828.8	740.4	657.6	579.9	506.5	435.0	369.4	310.7	257.8	208.6	162.2
-35°	776.0	695.3	618.1	547.6	479.0	412.7	350.3	294.8	246.2	200.6	157.1
-37.5°	721.3	649.2	581.3	514.8	450.2	389.0	331.7	279.8	234.1	192.4	151.8
-40°	669.7	603.3	541.5	482.2	422.2	363.9	311.8	264.9	223.5	184.0	146.1
-42.5°	616.6	558.4	502.7	448.1	393.6	340.8	291.2	249.0	212.4	176.4	140.1
-45°	566.6	513.8	463.8	414.8	364.3	316.4	272.6	232.7	200.6	169.2	133.7
-47.5°	516.6	471.4	426.4	381.0	336.4	291.9	252.9	218.8	188.2	161.6	126.8
-50°	471.0	430.5	390.0	348.4	306.9	269.2	233.5	204.4	177.3	151.9	119.4
-52.5°	427.2	391.9	354.1	315.6	279.9	245.5	216.9	189.6	166.0	141.2	111.4
-55°	385.4	353.2	318.0	284.7	252.8	225.3	199.6	176.7	154.3	129.9	102.9
-57.5°	343.6	313.7	283.9	254.4	228.4	205.3	184.0	163.5	141.7	118.4	94.7
-60°	302.3	276.9	250.4	227.0	205.3	186.1	169.2	149.7	128.6	106.6	85.3
-62.5°	263.1	240.8	220.8	200.8	183.1	168.0	154.0	135.1	115.3	94.7	75.2
-65°	225.8	208.3	191.4	175.8	161.6	149.1	137.4	120.4	101.0	82.3	65.0
-67.5°	189.6	176.5	163.2	150.5	140.1	130.1	120.1	103.9	86.1	69.4	55.2
-70°	156.8	145.7	135.8	127.4	119.1	110.5	100.3	86.3	70.8	57.6	45.2
-72.5°	124.5	117.1	110.5	104.3	97.4	89.3	79.9	68.6	56.7	45.4	34.9
-75°	92.7	89.6	86.3	81.8	75.5	68.2	60.9	52.1	42.3	33.1	26.3
-77.5°	67.2	65.3	62.9	60.3	55.3	49.5	42.9	35.3	28.9	23.7	18.4
-80°	44.4	44.0	42.9	40.9	36.3	31.0	27.0	22.9	18.9	14.7	10.4
-82.5°	24.6	24.9	24.9	24.1	21.3	18.3	15.2	11.9	8.9	5.6	4.5
-85°	11.8	11.5	10.9	9.8	7.8	5.6	4.9	4.2	3.8	3.4	3.0
-87.5°	3.6	3.6	3.6	3.6	3.2	2.8	2.4	2.1	1.9	1.7	1.5
-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°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
85°	2.6	2.2	1.7	1.3	0.9	0.4	0.0
82.5°	3.9	3.2	2.6	2.0	1.3	0.6	0.0
80°	5.8	4.3	3.5	2.6	1.7	0.8	0.0
77.5°	12.7	6.7	4.3	3.2	2.1	0.9	0.0
75°	19.3	11.7	5.6	3.9	2.6	1.1	0.0
72.5°	25.8	16.4	8.9	4.5	3.0	1.3	0.0
70°	32.3	21.0	12.1	5.4	3.4	1.5	0.0
67.5°	40.0	25.4	15.2	7.4	3.7	1.6	0.0
65°	47.5	30.4	18.2	9.3	4.1	1.8	0.0
62.5°	54.5	35.8	21.0	11.1	4.5	2.0	0.0
60°	61.2	40.9	23.6	12.8	4.8	2.1	0.0
57.5°	68.2	45.7	27.1	14.5	5.8	2.3	0.0
55°	74.8	50.2	30.4	16.0	6.7	2.4	0.0
52.5°	81.0	54.5	33.6	17.4	7.6	2.6	0.0
50°	86.6	59.0	36.4	18.6	8.5	2.7	0.0
47.5°	91.9	63.1	39.0	20.0	9.3	2.8	0.0
45°	97.7	66.8	41.4	21.7	10.1	2.9	0.0
42.5°	103.1	70.1	43.4	23.3	10.9	3.1	0.0
40°	108.0	73.0	45.5	24.9	11.6	3.2	0.0
37.5°	112.3	75.5	47.6	26.5	12.2	3.2	0.0
35°	116.2	78.3	49.4	27.9	12.9	3.3	0.0
32.5°	119.7	81.2	50.9	29.3	13.4	3.4	0.0
30°	123.4	83.6	52.1	30.5	13.9	3.5	0.0
27.5°	126.8	85.6	53.9	31.7	14.4	3.5	0.0
25°	129.7	87.2	55.5	32.7	14.8	3.6	0.0
22.5°	132.2	88.8	57.0	33.6	15.2	3.6	0.0
20°	134.2	91.0	58.3	34.4	15.5	3.7	0.0
17.5°	136.8	92.8	59.3	35.0	15.8	3.7	0.0
15°	139.5	94.2	60.2	35.5	16.0	3.7	0.0
12.5°	141.7	95.2	60.8	35.9	16.1	3.7	0.0
10°	143.4	95.9	61.3	36.2	16.2	3.8	0.0
7.5°	144.5	96.1	61.5	36.4	16.3	3.8	0.0
5°	145.1	96.0	61.6	36.5	16.3	3.7	0.0
2.5°	145.1	95.5	61.4	36.4	16.3	3.7	0.0
0°	144.6	94.7	61.1	36.2	16.2	3.7	0.0
-2.5°	145.1	95.5	61.4	36.4	16.3	3.7	0.0
-5°	145.1	96.0	61.6	36.5	16.3	3.7	0.0
-7.5°	144.5	96.1	61.5	36.4	16.3	3.8	0.0
-10°	143.4	95.9	61.3	36.2	16.2	3.8	0.0
-12.5°	141.7	95.2	60.8	35.9	16.1	3.7	0.0
-15°	139.5	94.2	60.2	35.5	16.0	3.7	0.0
-17.5°	136.8	92.8	59.3	35.0	15.8	3.7	0.0
-20°	134.2	91.0	58.3	34.4	15.5	3.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	132.2	88.8	57.0	33.6	15.2	3.6	0.0
-25°	129.7	87.2	55.5	32.7	14.8	3.6	0.0
-27.5°	126.8	85.6	53.9	31.7	14.4	3.5	0.0
-30°	123.4	83.6	52.1	30.5	13.9	3.5	0.0
-32.5°	119.7	81.2	50.9	29.3	13.4	3.4	0.0
-35°	116.2	78.3	49.4	27.9	12.9	3.3	0.0
-37.5°	112.3	75.5	47.6	26.5	12.2	3.2	0.0
-40°	108.0	73.0	45.5	24.9	11.6	3.2	0.0
-42.5°	103.1	70.1	43.4	23.3	10.9	3.1	0.0
-45°	97.7	66.8	41.4	21.7	10.1	2.9	0.0
-47.5°	91.9	63.1	39.0	20.0	9.3	2.8	0.0
-50°	86.6	59.0	36.4	18.6	8.5	2.7	0.0
-52.5°	81.0	54.5	33.6	17.4	7.6	2.6	0.0
-55°	74.8	50.2	30.4	16.0	6.7	2.4	0.0
-57.5°	68.2	45.7	27.1	14.5	5.8	2.3	0.0
-60°	61.2	40.9	23.6	12.8	4.8	2.1	0.0
-62.5°	54.5	35.8	21.0	11.1	4.5	2.0	0.0
-65°	47.5	30.4	18.2	9.3	4.1	1.8	0.0
-67.5°	40.0	25.4	15.2	7.4	3.7	1.6	0.0
-70°	32.3	21.0	12.1	5.4	3.4	1.5	0.0
-72.5°	25.8	16.4	8.9	4.5	3.0	1.3	0.0
-75°	19.3	11.7	5.6	3.9	2.6	1.1	0.0
-77.5°	12.7	6.7	4.3	3.2	2.1	0.9	0.0
-80°	5.8	4.3	3.5	2.6	1.7	0.8	0.0
-82.5°	3.9	3.2	2.6	2.0	1.3	0.6	0.0
-85°	2.6	2.2	1.7	1.3	0.9	0.4	0.0
-87.5°	1.3	1.1	0.9	0.7	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)