

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1C-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1C-730-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

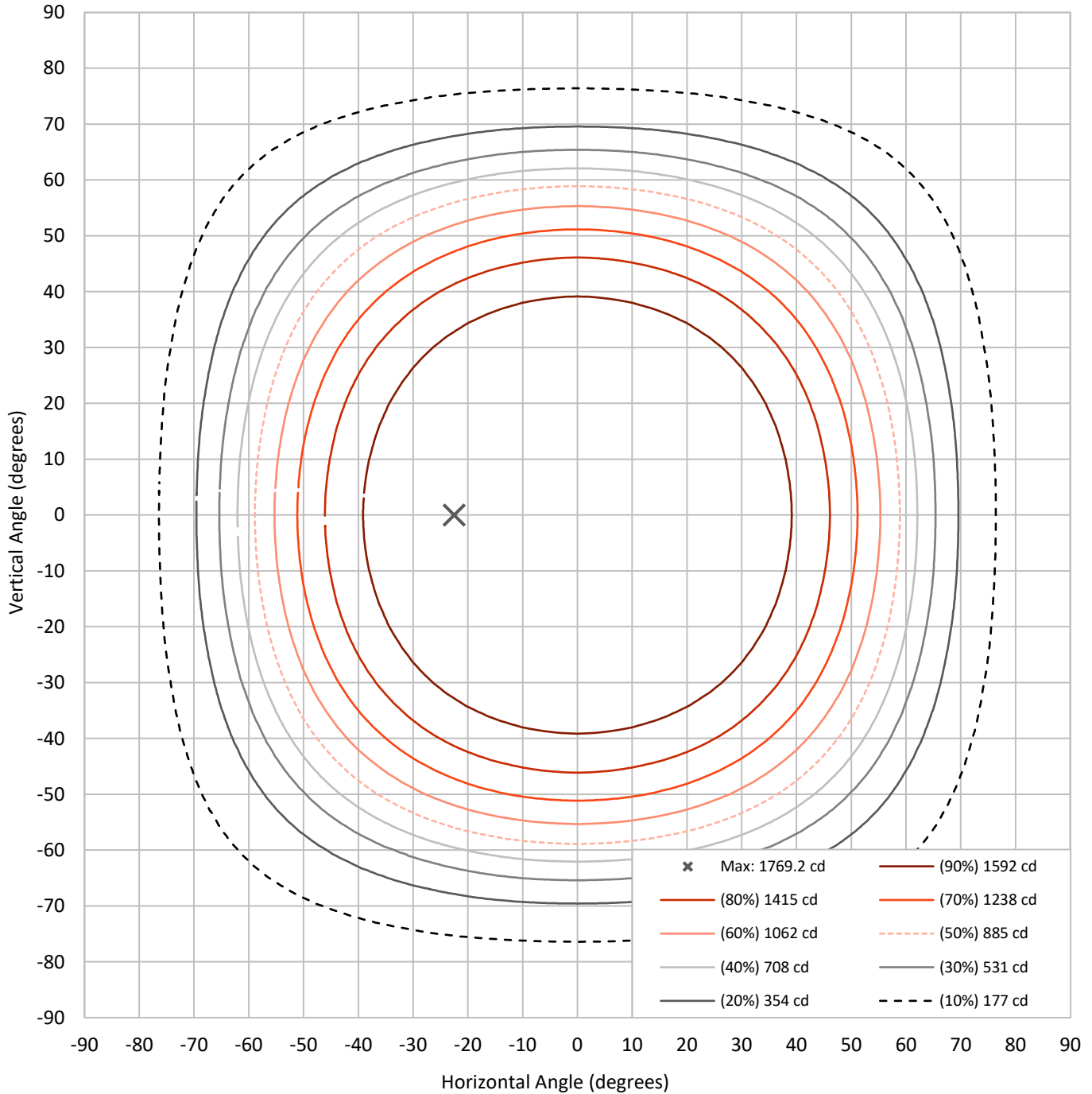
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5412.2 lumens	Max Intensity:	1769.2 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	124.4 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	4504.1 lumens	Field Lumens:	5305.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	43.5		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



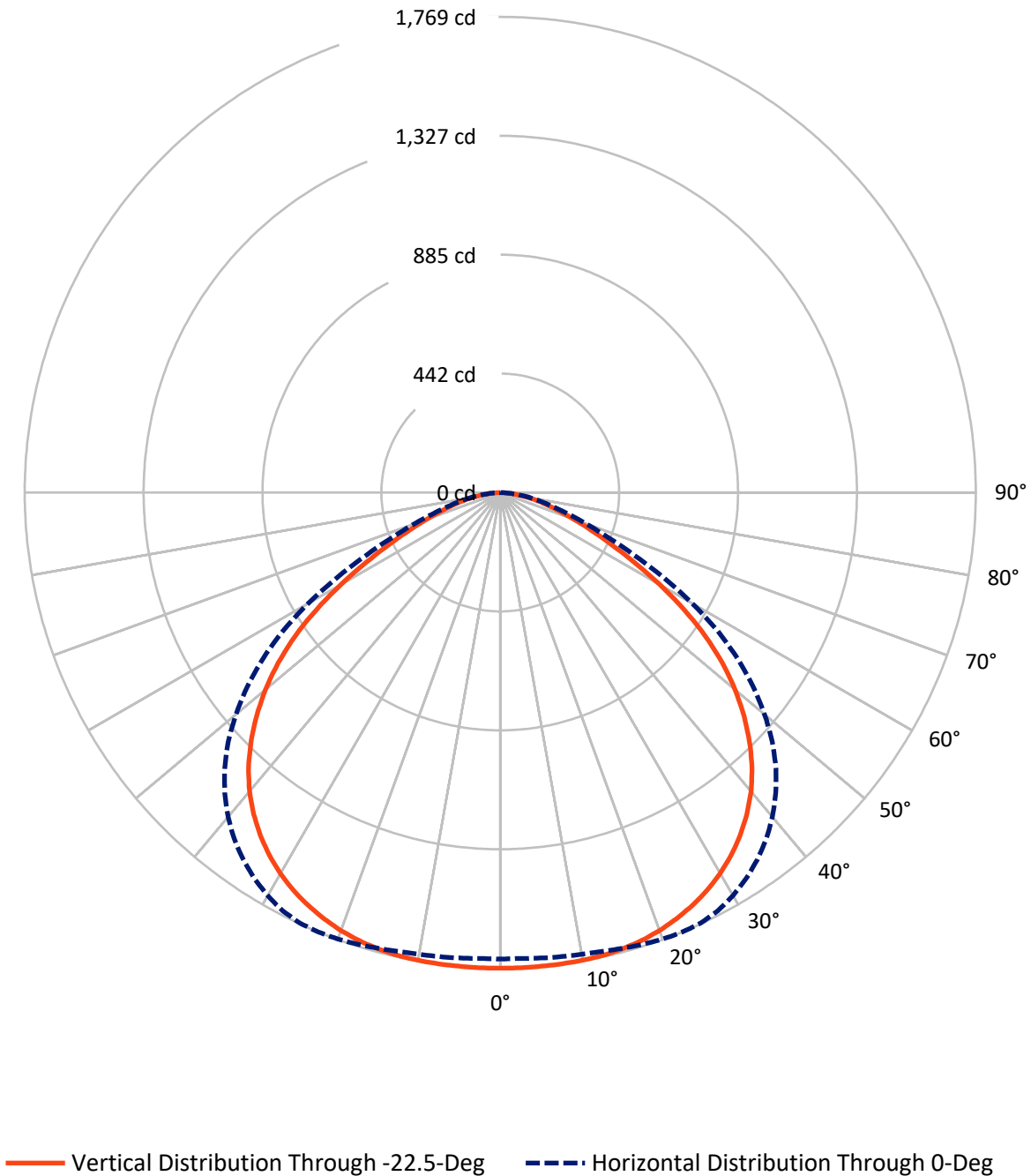
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Iso-Candela Plot



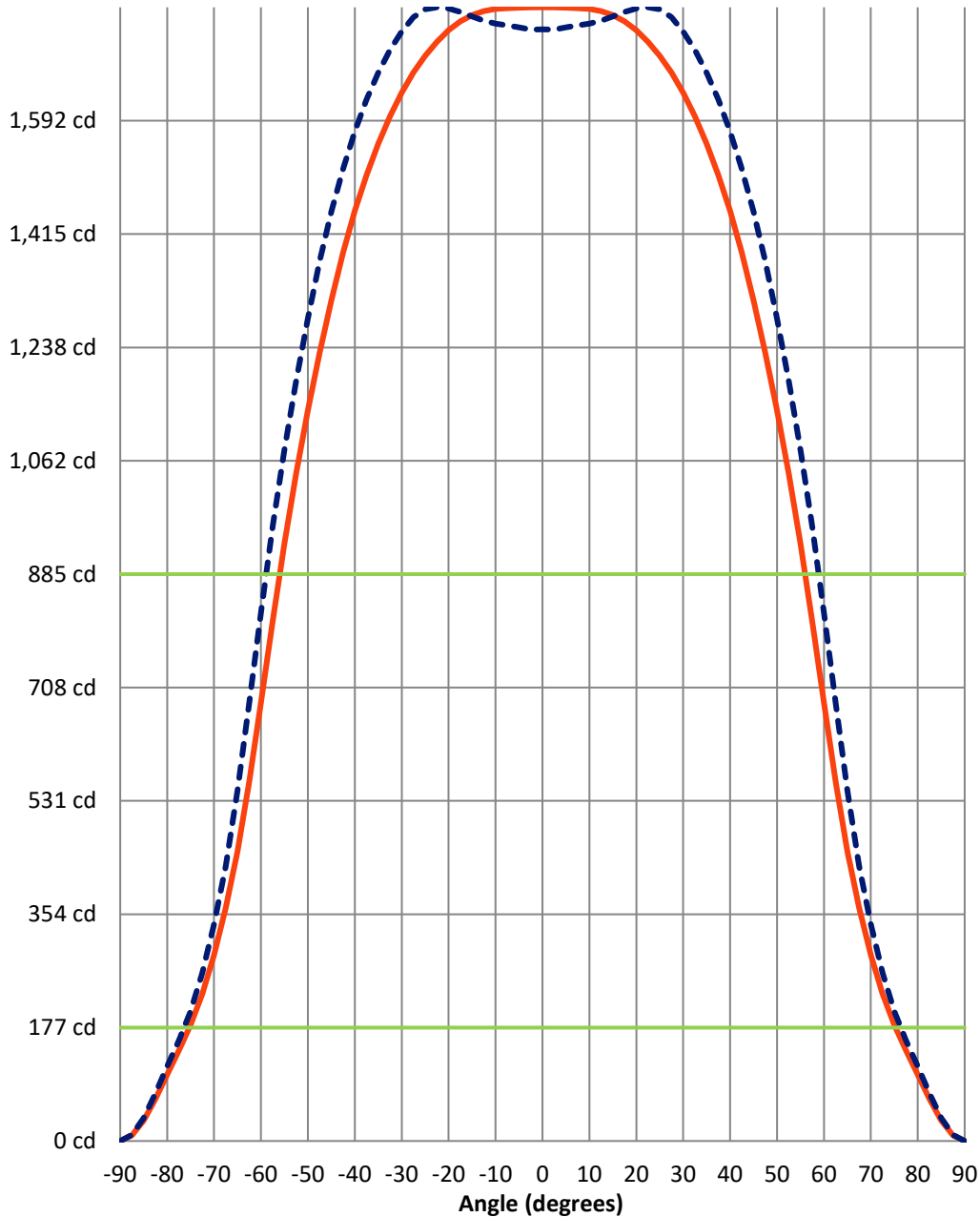
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 4504.1
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 5305.7
 Efficiency: 98.0%

Spill:
 Lumens: 106.4
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
85°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
82.5°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	10.3	13.5	16.7
80°	0.0	1.7	3.4	5.0	6.7	8.4	10.5	14.9	19.2	23.5	27.7
77.5°	0.0	2.1	4.2	6.3	8.4	11.6	17.2	22.7	28.1	33.4	39.8
75°	0.0	2.5	5.0	7.5	10.5	17.2	23.8	30.4	37.2	46.5	55.6
72.5°	0.0	2.9	5.8	8.7	14.9	22.7	30.4	38.9	49.8	60.6	71.3
70°	0.0	3.3	6.6	10.3	19.2	28.1	37.2	49.8	62.3	74.7	88.0
67.5°	0.0	3.7	7.4	13.5	23.5	33.4	46.5	60.6	74.7	89.8	104.8
65°	0.0	4.1	8.2	16.7	27.7	39.8	55.6	71.3	88.0	104.8	121.2
62.5°	0.0	4.5	8.9	19.8	31.8	47.3	64.6	82.4	101.1	119.4	136.7
60°	0.0	4.8	9.7	22.8	35.8	54.6	73.3	93.7	113.9	133.1	151.9
57.5°	0.0	5.2	11.6	25.7	41.4	61.7	82.6	104.6	126.0	146.6	168.2
55°	0.0	5.6	13.5	28.6	47.0	68.7	91.8	115.4	137.7	160.1	184.7
52.5°	0.0	5.9	15.4	31.3	52.4	75.5	100.7	125.3	149.0	174.6	200.8
50°	0.0	6.2	17.2	34.0	57.6	82.7	109.4	135.0	160.5	188.6	220.8
47.5°	0.0	6.6	18.9	36.9	62.6	89.6	117.6	144.2	172.5	202.2	240.7
45°	0.0	6.9	20.6	40.5	67.5	96.3	125.3	153.2	184.1	219.3	259.8
42.5°	0.0	7.2	22.2	44.0	72.1	102.7	132.6	162.5	195.3	235.8	282.4
40°	0.0	7.4	23.7	47.3	76.7	108.8	139.6	171.8	207.0	251.6	304.7
37.5°	0.0	7.7	25.1	50.5	81.4	114.6	146.3	180.6	220.4	267.8	325.9
35°	0.0	7.9	26.5	53.4	85.7	119.9	152.6	189.0	233.0	285.8	347.6
32.5°	0.0	8.2	27.7	56.2	89.9	124.8	158.8	196.9	244.9	302.9	370.4
30°	0.0	8.4	28.9	58.8	93.7	129.5	165.1	204.8	256.0	318.8	391.8
27.5°	0.0	8.6	30.0	61.3	97.3	133.7	170.9	213.8	267.4	333.6	411.7
25°	0.0	8.8	31.1	63.5	100.5	137.7	176.3	222.1	279.4	349.1	430.3
22.5°	0.0	9.0	32.0	65.5	103.5	141.2	181.2	229.6	290.4	364.0	452.0
20°	0.0	9.1	32.8	67.3	106.2	144.5	185.6	236.4	300.4	377.5	471.6
17.5°	0.0	9.3	33.6	69.0	108.6	147.3	189.5	242.5	309.2	389.5	489.1
15°	0.0	9.4	34.2	70.4	110.7	149.8	192.9	247.8	316.9	400.0	504.3
12.5°	0.0	9.5	34.8	71.6	112.5	151.9	195.9	252.2	323.4	408.9	517.3
10°	0.0	9.6	35.2	72.5	113.9	153.7	198.2	255.9	328.8	416.2	527.9
7.5°	0.0	9.6	35.5	73.3	115.0	155.0	200.1	258.8	333.0	421.9	536.2
5°	0.0	9.7	35.8	73.9	115.9	156.0	201.4	260.9	336.0	426.0	542.2
2.5°	0.0	9.7	35.9	74.2	116.3	156.6	202.2	262.1	337.8	428.5	545.8
0°	0.0	9.7	36.0	74.3	116.5	156.8	202.5	262.5	338.4	429.3	547.0
-2.5°	0.0	9.7	35.9	74.2	116.3	156.6	202.2	262.1	337.8	428.5	545.8
-5°	0.0	9.7	35.8	73.9	115.9	156.0	201.4	260.9	336.0	426.0	542.2
-7.5°	0.0	9.6	35.5	73.3	115.0	155.0	200.1	258.8	333.0	421.9	536.2
-10°	0.0	9.6	35.2	72.5	113.9	153.7	198.2	255.9	328.8	416.2	527.9
-12.5°	0.0	9.5	34.8	71.6	112.5	151.9	195.9	252.2	323.4	408.9	517.3
-15°	0.0	9.4	34.2	70.4	110.7	149.8	192.9	247.8	316.9	400.0	504.3
-17.5°	0.0	9.3	33.6	69.0	108.6	147.3	189.5	242.5	309.2	389.5	489.1
-20°	0.0	9.1	32.8	67.3	106.2	144.5	185.6	236.4	300.4	377.5	471.6

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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	9.0	32.0	65.5	103.5	141.2	181.2	229.6	290.4	364.0	452.0
-25°	0.0	8.8	31.1	63.5	100.5	137.7	176.3	222.1	279.4	349.1	430.3
-27.5°	0.0	8.6	30.0	61.3	97.3	133.7	170.9	213.8	267.4	333.6	411.7
-30°	0.0	8.4	28.9	58.8	93.7	129.5	165.1	204.8	256.0	318.8	391.8
-32.5°	0.0	8.2	27.7	56.2	89.9	124.8	158.8	196.9	244.9	302.9	370.4
-35°	0.0	7.9	26.5	53.4	85.7	119.9	152.6	189.0	233.0	285.8	347.6
-37.5°	0.0	7.7	25.1	50.5	81.4	114.6	146.3	180.6	220.4	267.8	325.9
-40°	0.0	7.4	23.7	47.3	76.7	108.8	139.6	171.8	207.0	251.6	304.7
-42.5°	0.0	7.2	22.2	44.0	72.1	102.7	132.6	162.5	195.3	235.8	282.4
-45°	0.0	6.9	20.6	40.5	67.5	96.3	125.3	153.2	184.1	219.3	259.8
-47.5°	0.0	6.6	18.9	36.9	62.6	89.6	117.6	144.2	172.5	202.2	240.7
-50°	0.0	6.2	17.2	34.0	57.6	82.7	109.4	135.0	160.5	188.6	220.8
-52.5°	0.0	5.9	15.4	31.3	52.4	75.5	100.7	125.3	149.0	174.6	200.8
-55°	0.0	5.6	13.5	28.6	47.0	68.7	91.8	115.4	137.7	160.1	184.7
-57.5°	0.0	5.2	11.6	25.7	41.4	61.7	82.6	104.6	126.0	146.6	168.2
-60°	0.0	4.8	9.7	22.8	35.8	54.6	73.3	93.7	113.9	133.1	151.9
-62.5°	0.0	4.5	8.9	19.8	31.8	47.3	64.6	82.4	101.1	119.4	136.7
-65°	0.0	4.1	8.2	16.7	27.7	39.8	55.6	71.3	88.0	104.8	121.2
-67.5°	0.0	3.7	7.4	13.5	23.5	33.4	46.5	60.6	74.7	89.8	104.8
-70°	0.0	3.3	6.6	10.3	19.2	28.1	37.2	49.8	62.3	74.7	88.0
-72.5°	0.0	2.9	5.8	8.7	14.9	22.7	30.4	38.9	49.8	60.6	71.3
-75°	0.0	2.5	5.0	7.5	10.5	17.2	23.8	30.4	37.2	46.5	55.6
-77.5°	0.0	2.1	4.2	6.3	8.4	11.6	17.2	22.7	28.1	33.4	39.8
-80°	0.0	1.7	3.4	5.0	6.7	8.4	10.5	14.9	19.2	23.5	27.7
-82.5°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	10.3	13.5	16.7
-85°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
-87.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	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



REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-730-U-LAM-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°	4.5	4.8	5.2	5.6	5.9	6.2	6.6	6.9	7.2	7.4	7.7
85°	8.9	9.7	11.6	13.5	15.4	17.2	18.9	20.6	22.2	23.7	25.1
82.5°	19.8	22.8	25.7	28.6	31.3	34.0	36.9	40.5	44.0	47.3	50.5
80°	31.8	35.8	41.4	47.0	52.4	57.6	62.6	67.5	72.1	76.7	81.4
77.5°	47.3	54.6	61.7	68.7	75.5	82.7	89.6	96.3	102.7	108.8	114.6
75°	64.6	73.3	82.6	91.8	100.7	109.4	117.6	125.3	132.6	139.6	146.3
72.5°	82.4	93.7	104.6	115.4	125.3	135.0	144.2	153.2	162.5	171.8	180.6
70°	101.1	113.9	126.0	137.7	149.0	160.5	172.5	184.1	195.3	207.0	220.4
67.5°	119.4	133.1	146.6	160.1	174.6	188.6	202.2	219.3	235.8	251.6	267.8
65°	136.7	151.9	168.2	184.7	200.8	220.8	240.7	259.8	282.4	304.7	325.9
62.5°	153.7	172.3	190.9	211.1	234.3	256.9	283.1	309.8	335.5	364.4	392.6
60°	172.3	192.9	216.5	242.5	269.2	300.4	330.6	364.0	397.7	430.3	470.3
57.5°	190.9	216.5	245.2	276.2	310.8	345.8	385.1	423.1	468.7	514.3	559.6
55°	211.1	242.5	276.2	314.3	354.3	397.8	443.4	496.5	547.9	605.2	660.1
52.5°	234.3	269.2	310.8	354.3	402.1	454.5	513.3	574.2	638.2	700.4	761.4
50°	256.9	300.4	345.8	397.8	454.5	519.0	587.4	658.2	728.1	796.3	860.2
47.5°	283.1	330.6	385.1	443.4	513.3	587.4	664.9	742.1	817.5	887.5	954.5
45°	309.8	364.0	423.1	496.5	574.2	658.2	742.1	824.6	901.2	973.5	1036.8
42.5°	335.5	397.7	468.7	547.9	638.2	728.1	817.5	901.2	979.7	1049.4	1112.9
40°	364.4	430.3	514.3	605.2	700.4	796.3	887.5	973.5	1049.4	1118.7	1183.0
37.5°	392.6	470.3	559.6	660.1	761.4	860.2	954.5	1036.8	1112.9	1183.0	1244.8
35°	419.3	508.3	607.8	713.3	819.6	920.1	1011.9	1095.7	1171.3	1239.3	1302.4
32.5°	449.0	544.3	653.4	764.3	872.7	975.0	1066.0	1147.9	1223.1	1292.2	1354.9
30°	479.7	583.0	696.7	812.4	922.5	1022.6	1113.4	1196.4	1271.0	1339.2	1400.6
27.5°	508.3	619.6	738.0	855.9	968.0	1067.2	1156.8	1238.5	1313.5	1382.2	1441.7
25°	534.7	653.4	776.2	895.8	1006.3	1105.8	1196.1	1277.8	1352.4	1418.3	1476.1
22.5°	560.8	684.4	811.2	932.3	1041.5	1140.2	1229.8	1311.6	1386.2	1451.6	1507.1
20°	586.1	713.3	842.1	964.8	1073.5	1171.5	1260.4	1342.1	1414.7	1478.0	1533.2
17.5°	608.7	739.0	869.1	991.0	1099.8	1198.2	1287.5	1369.4	1440.3	1501.8	1555.8
15°	628.4	761.4	892.7	1013.9	1122.4	1220.4	1309.7	1390.7	1461.1	1522.1	1575.8
12.5°	645.2	780.6	912.9	1033.5	1141.7	1239.5	1328.7	1408.6	1477.9	1538.0	1590.6
10°	659.0	796.3	929.5	1049.6	1157.6	1255.2	1344.5	1423.5	1491.7	1551.3	1602.8
7.5°	669.8	808.7	942.5	1062.3	1170.1	1267.5	1356.8	1435.1	1502.6	1561.7	1612.5
5°	677.5	817.5	951.8	1071.3	1179.0	1276.3	1365.7	1443.5	1510.5	1569.2	1619.5
2.5°	682.1	822.8	957.4	1076.8	1184.4	1281.6	1371.0	1448.5	1515.2	1573.8	1623.8
0°	683.7	824.6	959.3	1078.6	1186.2	1283.4	1372.8	1450.2	1516.8	1575.3	1625.2
-2.5°	682.1	822.8	957.4	1076.8	1184.4	1281.6	1371.0	1448.5	1515.2	1573.8	1623.8
-5°	677.5	817.5	951.8	1071.3	1179.0	1276.3	1365.7	1443.5	1510.5	1569.2	1619.5
-7.5°	669.8	808.7	942.5	1062.3	1170.1	1267.5	1356.8	1435.1	1502.6	1561.7	1612.5
-10°	659.0	796.3	929.5	1049.6	1157.6	1255.2	1344.5	1423.5	1491.7	1551.3	1602.8
-12.5°	645.2	780.6	912.9	1033.5	1141.7	1239.5	1328.7	1408.6	1477.9	1538.0	1590.6
-15°	628.4	761.4	892.7	1013.9	1122.4	1220.4	1309.7	1390.7	1461.1	1522.1	1575.8
-17.5°	608.7	739.0	869.1	991.0	1099.8	1198.2	1287.5	1369.4	1440.3	1501.8	1555.8
-20°	586.1	713.3	842.1	964.8	1073.5	1171.5	1260.4	1342.1	1414.7	1478.0	1533.2

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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°	560.8	684.4	811.2	932.3	1041.5	1140.2	1229.8	1311.6	1386.2	1451.6	1507.1
-25°	534.7	653.4	776.2	895.8	1006.3	1105.8	1196.1	1277.8	1352.4	1418.3	1476.1
-27.5°	508.3	619.6	738.0	855.9	968.0	1067.2	1156.8	1238.5	1313.5	1382.2	1441.7
-30°	479.7	583.0	696.7	812.4	922.5	1022.6	1113.4	1196.4	1271.0	1339.2	1400.6
-32.5°	449.0	544.3	653.4	764.3	872.7	975.0	1066.0	1147.9	1223.1	1292.2	1354.9
-35°	419.3	508.3	607.8	713.3	819.6	920.1	1011.9	1095.7	1171.3	1239.3	1302.4
-37.5°	392.6	470.3	559.6	660.1	761.4	860.2	954.5	1036.8	1112.9	1183.0	1244.8
-40°	364.4	430.3	514.3	605.2	700.4	796.3	887.5	973.5	1049.4	1118.7	1183.0
-42.5°	335.5	397.7	468.7	547.9	638.2	728.1	817.5	901.2	979.7	1049.4	1112.9
-45°	309.8	364.0	423.1	496.5	574.2	658.2	742.1	824.6	901.2	973.5	1036.8
-47.5°	283.1	330.6	385.1	443.4	513.3	587.4	664.9	742.1	817.5	887.5	954.5
-50°	256.9	300.4	345.8	397.8	454.5	519.0	587.4	658.2	728.1	796.3	860.2
-52.5°	234.3	269.2	310.8	354.3	402.1	454.5	513.3	574.2	638.2	700.4	761.4
-55°	211.1	242.5	276.2	314.3	354.3	397.8	443.4	496.5	547.9	605.2	660.1
-57.5°	190.9	216.5	245.2	276.2	310.8	345.8	385.1	423.1	468.7	514.3	559.6
-60°	172.3	192.9	216.5	242.5	269.2	300.4	330.6	364.0	397.7	430.3	470.3
-62.5°	153.7	172.3	190.9	211.1	234.3	256.9	283.1	309.8	335.5	364.4	392.6
-65°	136.7	151.9	168.2	184.7	200.8	220.8	240.7	259.8	282.4	304.7	325.9
-67.5°	119.4	133.1	146.6	160.1	174.6	188.6	202.2	219.3	235.8	251.6	267.8
-70°	101.1	113.9	126.0	137.7	149.0	160.5	172.5	184.1	195.3	207.0	220.4
-72.5°	82.4	93.7	104.6	115.4	125.3	135.0	144.2	153.2	162.5	171.8	180.6
-75°	64.6	73.3	82.6	91.8	100.7	109.4	117.6	125.3	132.6	139.6	146.3
-77.5°	47.3	54.6	61.7	68.7	75.5	82.7	89.6	96.3	102.7	108.8	114.6
-80°	31.8	35.8	41.4	47.0	52.4	57.6	62.6	67.5	72.1	76.7	81.4
-82.5°	19.8	22.8	25.7	28.6	31.3	34.0	36.9	40.5	44.0	47.3	50.5
-85°	8.9	9.7	11.6	13.5	15.4	17.2	18.9	20.6	22.2	23.7	25.1
-87.5°	4.5	4.8	5.2	5.6	5.9	6.2	6.6	6.9	7.2	7.4	7.7
-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: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-730-U-LAM-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°	7.9	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.5	9.6
85°	26.5	27.7	28.9	30.0	31.1	32.0	32.8	33.6	34.2	34.8	35.2
82.5°	53.4	56.2	58.8	61.3	63.5	65.5	67.3	69.0	70.4	71.6	72.5
80°	85.7	89.9	93.7	97.3	100.5	103.5	106.2	108.6	110.7	112.5	113.9
77.5°	119.9	124.8	129.5	133.7	137.7	141.2	144.5	147.3	149.8	151.9	153.7
75°	152.6	158.8	165.1	170.9	176.3	181.2	185.6	189.5	192.9	195.9	198.2
72.5°	189.0	196.9	204.8	213.8	222.1	229.6	236.4	242.5	247.8	252.2	255.9
70°	233.0	244.9	256.0	267.4	279.4	290.4	300.4	309.2	316.9	323.4	328.8
67.5°	285.8	302.9	318.8	333.6	349.1	364.0	377.5	389.5	400.0	408.9	416.2
65°	347.6	370.4	391.8	411.7	430.3	452.0	471.6	489.1	504.3	517.3	527.9
62.5°	419.3	449.0	479.7	508.3	534.7	560.8	586.1	608.7	628.4	645.2	659.0
60°	508.3	544.3	583.0	619.6	653.4	684.4	713.3	739.0	761.4	780.6	796.3
57.5°	607.8	653.4	696.7	738.0	776.2	811.2	842.1	869.1	892.7	912.9	929.5
55°	713.3	764.3	812.4	855.9	895.8	932.3	964.8	991.0	1013.9	1033.5	1049.6
52.5°	819.6	872.7	922.5	968.0	1006.3	1041.5	1073.5	1099.8	1122.4	1141.7	1157.6
50°	920.1	975.0	1022.6	1067.2	1105.8	1140.2	1171.5	1198.2	1220.4	1239.5	1255.2
47.5°	1011.9	1066.0	1113.4	1156.8	1196.1	1229.8	1260.4	1287.5	1309.7	1328.7	1344.5
45°	1095.7	1147.9	1196.4	1238.5	1277.8	1311.6	1342.1	1369.4	1390.7	1408.6	1423.5
42.5°	1171.3	1223.1	1271.0	1313.5	1352.4	1386.2	1414.7	1440.3	1461.1	1477.9	1491.7
40°	1239.3	1292.2	1339.2	1382.2	1418.3	1451.6	1478.0	1501.8	1522.1	1538.0	1551.3
37.5°	1302.4	1354.9	1400.6	1441.7	1476.1	1507.1	1533.2	1555.8	1575.8	1590.6	1602.8
35°	1360.1	1409.9	1455.2	1492.9	1527.0	1556.2	1581.9	1602.7	1621.2	1635.3	1646.5
32.5°	1409.9	1459.3	1501.3	1538.5	1571.8	1599.0	1623.7	1642.7	1659.5	1673.1	1683.5
30°	1455.2	1501.3	1542.3	1579.1	1609.4	1635.9	1658.1	1676.7	1692.3	1705.2	1714.4
27.5°	1492.9	1538.5	1579.1	1613.0	1642.0	1667.5	1687.8	1705.8	1719.3	1731.2	1739.1
25°	1527.0	1571.8	1609.4	1642.0	1670.2	1693.5	1712.8	1729.1	1741.1	1751.3	1757.1
22.5°	1556.2	1599.0	1635.9	1667.5	1693.5	1715.2	1733.5	1747.2	1757.1	1763.2	1766.7
20°	1581.9	1623.7	1658.1	1687.8	1712.8	1733.5	1749.3	1759.5	1766.3	1768.0	1769.0
17.5°	1602.7	1642.7	1676.7	1705.8	1729.1	1747.2	1759.5	1766.7	1768.7	1768.4	1767.4
15°	1621.2	1659.5	1692.3	1719.3	1741.1	1757.1	1766.3	1768.7	1768.1	1766.1	1762.9
12.5°	1635.3	1673.1	1705.2	1731.2	1751.3	1763.2	1768.0	1768.4	1766.1	1762.1	1757.6
10°	1646.5	1683.5	1714.4	1739.1	1757.1	1766.7	1769.0	1767.4	1762.9	1757.6	1752.5
7.5°	1655.4	1691.8	1721.7	1745.4	1761.0	1767.8	1768.3	1765.1	1759.7	1753.7	1748.3
5°	1661.8	1697.7	1727.0	1750.0	1763.8	1768.6	1767.7	1763.4	1757.1	1750.8	1745.9
2.5°	1665.7	1701.4	1730.2	1752.8	1765.5	1769.0	1767.4	1762.3	1755.5	1748.9	1744.3
0°	1667.0	1702.6	1731.3	1753.7	1766.1	1769.2	1767.3	1761.9	1754.9	1748.3	1743.7
-2.5°	1665.7	1701.4	1730.2	1752.8	1765.5	1769.0	1767.4	1762.3	1755.5	1748.9	1744.3
-5°	1661.8	1697.7	1727.0	1750.0	1763.8	1768.6	1767.7	1763.4	1757.1	1750.8	1745.9
-7.5°	1655.4	1691.8	1721.7	1745.4	1761.0	1767.8	1768.3	1765.1	1759.7	1753.7	1748.3
-10°	1646.5	1683.5	1714.4	1739.1	1757.1	1766.7	1769.0	1767.4	1762.9	1757.6	1752.5
-12.5°	1635.3	1673.1	1705.2	1731.2	1751.3	1763.2	1768.0	1768.4	1766.1	1762.1	1757.6
-15°	1621.2	1659.5	1692.3	1719.3	1741.1	1757.1	1766.3	1768.7	1768.1	1766.1	1762.9
-17.5°	1602.7	1642.7	1676.7	1705.8	1729.1	1747.2	1759.5	1766.7	1768.7	1768.4	1767.4
-20°	1581.9	1623.7	1658.1	1687.8	1712.8	1733.5	1749.3	1759.5	1766.3	1768.0	1769.0



REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1556.2	1599.0	1635.9	1667.5	1693.5	1715.2	1733.5	1747.2	1757.1	1763.2	1766.7
-25°	1527.0	1571.8	1609.4	1642.0	1670.2	1693.5	1712.8	1729.1	1741.1	1751.3	1757.1
-27.5°	1492.9	1538.5	1579.1	1613.0	1642.0	1667.5	1687.8	1705.8	1719.3	1731.2	1739.1
-30°	1455.2	1501.3	1542.3	1579.1	1609.4	1635.9	1658.1	1676.7	1692.3	1705.2	1714.4
-32.5°	1409.9	1459.3	1501.3	1538.5	1571.8	1599.0	1623.7	1642.7	1659.5	1673.1	1683.5
-35°	1360.1	1409.9	1455.2	1492.9	1527.0	1556.2	1581.9	1602.7	1621.2	1635.3	1646.5
-37.5°	1302.4	1354.9	1400.6	1441.7	1476.1	1507.1	1533.2	1555.8	1575.8	1590.6	1602.8
-40°	1239.3	1292.2	1339.2	1382.2	1418.3	1451.6	1478.0	1501.8	1522.1	1538.0	1551.3
-42.5°	1171.3	1223.1	1271.0	1313.5	1352.4	1386.2	1414.7	1440.3	1461.1	1477.9	1491.7
-45°	1095.7	1147.9	1196.4	1238.5	1277.8	1311.6	1342.1	1369.4	1390.7	1408.6	1423.5
-47.5°	1011.9	1066.0	1113.4	1156.8	1196.1	1229.8	1260.4	1287.5	1309.7	1328.7	1344.5
-50°	920.1	975.0	1022.6	1067.2	1105.8	1140.2	1171.5	1198.2	1220.4	1239.5	1255.2
-52.5°	819.6	872.7	922.5	968.0	1006.3	1041.5	1073.5	1099.8	1122.4	1141.7	1157.6
-55°	713.3	764.3	812.4	855.9	895.8	932.3	964.8	991.0	1013.9	1033.5	1049.6
-57.5°	607.8	653.4	696.7	738.0	776.2	811.2	842.1	869.1	892.7	912.9	929.5
-60°	508.3	544.3	583.0	619.6	653.4	684.4	713.3	739.0	761.4	780.6	796.3
-62.5°	419.3	449.0	479.7	508.3	534.7	560.8	586.1	608.7	628.4	645.2	659.0
-65°	347.6	370.4	391.8	411.7	430.3	452.0	471.6	489.1	504.3	517.3	527.9
-67.5°	285.8	302.9	318.8	333.6	349.1	364.0	377.5	389.5	400.0	408.9	416.2
-70°	233.0	244.9	256.0	267.4	279.4	290.4	300.4	309.2	316.9	323.4	328.8
-72.5°	189.0	196.9	204.8	213.8	222.1	229.6	236.4	242.5	247.8	252.2	255.9
-75°	152.6	158.8	165.1	170.9	176.3	181.2	185.6	189.5	192.9	195.9	198.2
-77.5°	119.9	124.8	129.5	133.7	137.7	141.2	144.5	147.3	149.8	151.9	153.7
-80°	85.7	89.9	93.7	97.3	100.5	103.5	106.2	108.6	110.7	112.5	113.9
-82.5°	53.4	56.2	58.8	61.3	63.5	65.5	67.3	69.0	70.4	71.6	72.5
-85°	26.5	27.7	28.9	30.0	31.1	32.0	32.8	33.6	34.2	34.8	35.2
-87.5°	7.9	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.5	9.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-730-U-LAM-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°	9.6	9.7	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.4	9.3
85°	35.5	35.8	35.9	36.0	35.9	35.8	35.5	35.2	34.8	34.2	33.6
82.5°	73.3	73.9	74.2	74.3	74.2	73.9	73.3	72.5	71.6	70.4	69.0
80°	115.0	115.9	116.3	116.5	116.3	115.9	115.0	113.9	112.5	110.7	108.6
77.5°	155.0	156.0	156.6	156.8	156.6	156.0	155.0	153.7	151.9	149.8	147.3
75°	200.1	201.4	202.2	202.5	202.2	201.4	200.1	198.2	195.9	192.9	189.5
72.5°	258.8	260.9	262.1	262.5	262.1	260.9	258.8	255.9	252.2	247.8	242.5
70°	333.0	336.0	337.8	338.4	337.8	336.0	333.0	328.8	323.4	316.9	309.2
67.5°	421.9	426.0	428.5	429.3	428.5	426.0	421.9	416.2	408.9	400.0	389.5
65°	536.2	542.2	545.8	547.0	545.8	542.2	536.2	527.9	517.3	504.3	489.1
62.5°	669.8	677.5	682.1	683.7	682.1	677.5	669.8	659.0	645.2	628.4	608.7
60°	808.7	817.5	822.8	824.6	822.8	817.5	808.7	796.3	780.6	761.4	739.0
57.5°	942.5	951.8	957.4	959.3	957.4	951.8	942.5	929.5	912.9	892.7	869.1
55°	1062.3	1071.3	1076.8	1078.6	1076.8	1071.3	1062.3	1049.6	1033.5	1013.9	991.0
52.5°	1170.1	1179.0	1184.4	1186.2	1184.4	1179.0	1170.1	1157.6	1141.7	1122.4	1099.8
50°	1267.5	1276.3	1281.6	1283.4	1281.6	1276.3	1267.5	1255.2	1239.5	1220.4	1198.2
47.5°	1356.8	1365.7	1371.0	1372.8	1371.0	1365.7	1356.8	1344.5	1328.7	1309.7	1287.5
45°	1435.1	1443.5	1448.5	1450.2	1448.5	1443.5	1435.1	1423.5	1408.6	1390.7	1369.4
42.5°	1502.6	1510.5	1515.2	1516.8	1515.2	1510.5	1502.6	1491.7	1477.9	1461.1	1440.3
40°	1561.7	1569.2	1573.8	1575.3	1573.8	1569.2	1561.7	1551.3	1538.0	1522.1	1501.8
37.5°	1612.5	1619.5	1623.8	1625.2	1623.8	1619.5	1612.5	1602.8	1590.6	1575.8	1555.8
35°	1655.4	1661.8	1665.7	1667.0	1665.7	1661.8	1655.4	1646.5	1635.3	1621.2	1602.7
32.5°	1691.8	1697.7	1701.4	1702.6	1701.4	1697.7	1691.8	1683.5	1673.1	1659.5	1642.7
30°	1721.7	1727.0	1730.2	1731.3	1730.2	1727.0	1721.7	1714.4	1705.2	1692.3	1676.7
27.5°	1745.4	1750.0	1752.8	1753.7	1752.8	1750.0	1745.4	1739.1	1731.2	1719.3	1705.8
25°	1761.0	1763.8	1765.5	1766.1	1765.5	1763.8	1761.0	1757.1	1751.3	1741.1	1729.1
22.5°	1767.8	1768.6	1769.0	1769.2	1769.0	1768.6	1767.8	1766.7	1763.2	1757.1	1747.2
20°	1768.3	1767.7	1767.4	1767.3	1767.4	1767.7	1768.3	1769.0	1768.0	1766.3	1759.5
17.5°	1765.1	1763.4	1762.3	1761.9	1762.3	1763.4	1765.1	1767.4	1768.4	1768.7	1766.7
15°	1759.7	1757.1	1755.5	1754.9	1755.5	1757.1	1759.7	1762.9	1766.1	1768.1	1768.7
12.5°	1753.7	1750.8	1748.9	1748.3	1748.9	1750.8	1753.7	1757.6	1762.1	1766.1	1768.4
10°	1748.3	1745.9	1744.3	1743.7	1744.3	1745.9	1748.3	1752.5	1757.6	1762.9	1767.4
7.5°	1744.8	1742.6	1741.4	1741.0	1741.4	1742.6	1744.8	1748.3	1753.7	1759.7	1765.1
5°	1742.6	1740.5	1738.6	1737.9	1738.6	1740.5	1742.6	1745.9	1750.8	1757.1	1763.4
2.5°	1741.4	1738.6	1735.8	1734.4	1735.8	1738.6	1741.4	1744.3	1748.9	1755.5	1762.3
0°	1741.0	1737.9	1734.4	1734.8	1734.4	1737.9	1741.0	1743.7	1748.3	1754.9	1761.9
-2.5°	1741.4	1738.6	1735.8	1734.4	1735.8	1738.6	1741.4	1744.3	1748.9	1755.5	1762.3
-5°	1742.6	1740.5	1738.6	1737.9	1738.6	1740.5	1742.6	1745.9	1750.8	1757.1	1763.4
-7.5°	1744.8	1742.6	1741.4	1741.0	1741.4	1742.6	1744.8	1748.3	1753.7	1759.7	1765.1
-10°	1748.3	1745.9	1744.3	1743.7	1744.3	1745.9	1748.3	1752.5	1757.6	1762.9	1767.4
-12.5°	1753.7	1750.8	1748.9	1748.3	1748.9	1750.8	1753.7	1757.6	1762.1	1766.1	1768.4
-15°	1759.7	1757.1	1755.5	1754.9	1755.5	1757.1	1759.7	1762.9	1766.1	1768.1	1768.7
-17.5°	1765.1	1763.4	1762.3	1761.9	1762.3	1763.4	1765.1	1767.4	1768.4	1768.7	1766.7
-20°	1768.3	1767.7	1767.4	1767.3	1767.4	1767.7	1768.3	1769.0	1768.0	1766.3	1759.5

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

Scaled Data Report



REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1767.8	1768.6	1769.0	1769.2	1769.0	1768.6	1767.8	1766.7	1763.2	1757.1	1747.2
-25°	1761.0	1763.8	1765.5	1766.1	1765.5	1763.8	1761.0	1757.1	1751.3	1741.1	1729.1
-27.5°	1745.4	1750.0	1752.8	1753.7	1752.8	1750.0	1745.4	1739.1	1731.2	1719.3	1705.8
-30°	1721.7	1727.0	1730.2	1731.3	1730.2	1727.0	1721.7	1714.4	1705.2	1692.3	1676.7
-32.5°	1691.8	1697.7	1701.4	1702.6	1701.4	1697.7	1691.8	1683.5	1673.1	1659.5	1642.7
-35°	1655.4	1661.8	1665.7	1667.0	1665.7	1661.8	1655.4	1646.5	1635.3	1621.2	1602.7
-37.5°	1612.5	1619.5	1623.8	1625.2	1623.8	1619.5	1612.5	1602.8	1590.6	1575.8	1555.8
-40°	1561.7	1569.2	1573.8	1575.3	1573.8	1569.2	1561.7	1551.3	1538.0	1522.1	1501.8
-42.5°	1502.6	1510.5	1515.2	1516.8	1515.2	1510.5	1502.6	1491.7	1477.9	1461.1	1440.3
-45°	1435.1	1443.5	1448.5	1450.2	1448.5	1443.5	1435.1	1423.5	1408.6	1390.7	1369.4
-47.5°	1356.8	1365.7	1371.0	1372.8	1371.0	1365.7	1356.8	1344.5	1328.7	1309.7	1287.5
-50°	1267.5	1276.3	1281.6	1283.4	1281.6	1276.3	1267.5	1255.2	1239.5	1220.4	1198.2
-52.5°	1170.1	1179.0	1184.4	1186.2	1184.4	1179.0	1170.1	1157.6	1141.7	1122.4	1099.8
-55°	1062.3	1071.3	1076.8	1078.6	1076.8	1071.3	1062.3	1049.6	1033.5	1013.9	991.0
-57.5°	942.5	951.8	957.4	959.3	957.4	951.8	942.5	929.5	912.9	892.7	869.1
-60°	808.7	817.5	822.8	824.6	822.8	817.5	808.7	796.3	780.6	761.4	739.0
-62.5°	669.8	677.5	682.1	683.7	682.1	677.5	669.8	659.0	645.2	628.4	608.7
-65°	536.2	542.2	545.8	547.0	545.8	542.2	536.2	527.9	517.3	504.3	489.1
-67.5°	421.9	426.0	428.5	429.3	428.5	426.0	421.9	416.2	408.9	400.0	389.5
-70°	333.0	336.0	337.8	338.4	337.8	336.0	333.0	328.8	323.4	316.9	309.2
-72.5°	258.8	260.9	262.1	262.5	262.1	260.9	258.8	255.9	252.2	247.8	242.5
-75°	200.1	201.4	202.2	202.5	202.2	201.4	200.1	198.2	195.9	192.9	189.5
-77.5°	155.0	156.0	156.6	156.8	156.6	156.0	155.0	153.7	151.9	149.8	147.3
-80°	115.0	115.9	116.3	116.5	116.3	115.9	115.0	113.9	112.5	110.7	108.6
-82.5°	73.3	73.9	74.2	74.3	74.2	73.9	73.3	72.5	71.6	70.4	69.0
-85°	35.5	35.8	35.9	36.0	35.9	35.8	35.5	35.2	34.8	34.2	33.6
-87.5°	9.6	9.7	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.4	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: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-730-U-LAM-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°	9.1	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9
85°	32.8	32.0	31.1	30.0	28.9	27.7	26.5	25.1	23.7	22.2	20.6
82.5°	67.3	65.5	63.5	61.3	58.8	56.2	53.4	50.5	47.3	44.0	40.5
80°	106.2	103.5	100.5	97.3	93.7	89.9	85.7	81.4	76.7	72.1	67.5
77.5°	144.5	141.2	137.7	133.7	129.5	124.8	119.9	114.6	108.8	102.7	96.3
75°	185.6	181.2	176.3	170.9	165.1	158.8	152.6	146.3	139.6	132.6	125.3
72.5°	236.4	229.6	222.1	213.8	204.8	196.9	189.0	180.6	171.8	162.5	153.2
70°	300.4	290.4	279.4	267.4	256.0	244.9	233.0	220.4	207.0	195.3	184.1
67.5°	377.5	364.0	349.1	333.6	318.8	302.9	285.8	267.8	251.6	235.8	219.3
65°	471.6	452.0	430.3	411.7	391.8	370.4	347.6	325.9	304.7	282.4	259.8
62.5°	586.1	560.8	534.7	508.3	479.7	449.0	419.3	392.6	364.4	335.5	309.8
60°	713.3	684.4	653.4	619.6	583.0	544.3	508.3	470.3	430.3	397.7	364.0
57.5°	842.1	811.2	776.2	738.0	696.7	653.4	607.8	559.6	514.3	468.7	423.1
55°	964.8	932.3	895.8	855.9	812.4	764.3	713.3	660.1	605.2	547.9	496.5
52.5°	1073.5	1041.5	1006.3	968.0	922.5	872.7	819.6	761.4	700.4	638.2	574.2
50°	1171.5	1140.2	1105.8	1067.2	1022.6	975.0	920.1	860.2	796.3	728.1	658.2
47.5°	1260.4	1229.8	1196.1	1156.8	1113.4	1066.0	1011.9	954.5	887.5	817.5	742.1
45°	1342.1	1311.6	1277.8	1238.5	1196.4	1147.9	1095.7	1036.8	973.5	901.2	824.6
42.5°	1414.7	1386.2	1352.4	1313.5	1271.0	1223.1	1171.3	1112.9	1049.4	979.7	901.2
40°	1478.0	1451.6	1418.3	1382.2	1339.2	1292.2	1239.3	1183.0	1118.7	1049.4	973.5
37.5°	1533.2	1507.1	1476.1	1441.7	1400.6	1354.9	1302.4	1244.8	1183.0	1112.9	1036.8
35°	1581.9	1556.2	1527.0	1492.9	1455.2	1409.9	1360.1	1302.4	1239.3	1171.3	1095.7
32.5°	1623.7	1599.0	1571.8	1538.5	1501.3	1459.3	1409.9	1354.9	1292.2	1223.1	1147.9
30°	1658.1	1635.9	1609.4	1579.1	1542.3	1501.3	1455.2	1400.6	1339.2	1271.0	1196.4
27.5°	1687.8	1667.5	1642.0	1613.0	1579.1	1538.5	1492.9	1441.7	1382.2	1313.5	1238.5
25°	1712.8	1693.5	1670.2	1642.0	1609.4	1571.8	1527.0	1476.1	1418.3	1352.4	1277.8
22.5°	1733.5	1715.2	1693.5	1667.5	1635.9	1599.0	1556.2	1507.1	1451.6	1386.2	1311.6
20°	1749.3	1733.5	1712.8	1687.8	1658.1	1623.7	1581.9	1533.2	1478.0	1414.7	1342.1
17.5°	1759.5	1747.2	1729.1	1705.8	1676.7	1642.7	1602.7	1555.8	1501.8	1440.3	1369.4
15°	1766.3	1757.1	1741.1	1719.3	1692.3	1659.5	1621.2	1575.8	1522.1	1461.1	1390.7
12.5°	1768.0	1763.2	1751.3	1731.2	1705.2	1673.1	1635.3	1590.6	1538.0	1477.9	1408.6
10°	1769.0	1766.7	1757.1	1739.1	1714.4	1683.5	1646.5	1602.8	1551.3	1491.7	1423.5
7.5°	1768.3	1767.8	1761.0	1745.4	1721.7	1691.8	1655.4	1612.5	1561.7	1502.6	1435.1
5°	1767.7	1768.6	1763.8	1750.0	1727.0	1697.7	1661.8	1619.5	1569.2	1510.5	1443.5
2.5°	1767.4	1769.0	1765.5	1752.8	1730.2	1701.4	1665.7	1623.8	1573.8	1515.2	1448.5
0°	1767.3	1769.2	1766.1	1753.7	1731.3	1702.6	1667.0	1625.2	1575.3	1516.8	1450.2
-2.5°	1767.4	1769.0	1765.5	1752.8	1730.2	1701.4	1665.7	1623.8	1573.8	1515.2	1448.5
-5°	1767.7	1768.6	1763.8	1750.0	1727.0	1697.7	1661.8	1619.5	1569.2	1510.5	1443.5
-7.5°	1768.3	1767.8	1761.0	1745.4	1721.7	1691.8	1655.4	1612.5	1561.7	1502.6	1435.1
-10°	1769.0	1766.7	1757.1	1739.1	1714.4	1683.5	1646.5	1602.8	1551.3	1491.7	1423.5
-12.5°	1768.0	1763.2	1751.3	1731.2	1705.2	1673.1	1635.3	1590.6	1538.0	1477.9	1408.6
-15°	1766.3	1757.1	1741.1	1719.3	1692.3	1659.5	1621.2	1575.8	1522.1	1461.1	1390.7
-17.5°	1759.5	1747.2	1729.1	1705.8	1676.7	1642.7	1602.7	1555.8	1501.8	1440.3	1369.4
-20°	1749.3	1733.5	1712.8	1687.8	1658.1	1623.7	1581.9	1533.2	1478.0	1414.7	1342.1

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Scaled Data Report



REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1733.5	1715.2	1693.5	1667.5	1635.9	1599.0	1556.2	1507.1	1451.6	1386.2	1311.6
-25°	1712.8	1693.5	1670.2	1642.0	1609.4	1571.8	1527.0	1476.1	1418.3	1352.4	1277.8
-27.5°	1687.8	1667.5	1642.0	1613.0	1579.1	1538.5	1492.9	1441.7	1382.2	1313.5	1238.5
-30°	1658.1	1635.9	1609.4	1579.1	1542.3	1501.3	1455.2	1400.6	1339.2	1271.0	1196.4
-32.5°	1623.7	1599.0	1571.8	1538.5	1501.3	1459.3	1409.9	1354.9	1292.2	1223.1	1147.9
-35°	1581.9	1556.2	1527.0	1492.9	1455.2	1409.9	1360.1	1302.4	1239.3	1171.3	1095.7
-37.5°	1533.2	1507.1	1476.1	1441.7	1400.6	1354.9	1302.4	1244.8	1183.0	1112.9	1036.8
-40°	1478.0	1451.6	1418.3	1382.2	1339.2	1292.2	1239.3	1183.0	1118.7	1049.4	973.5
-42.5°	1414.7	1386.2	1352.4	1313.5	1271.0	1223.1	1171.3	1112.9	1049.4	979.7	901.2
-45°	1342.1	1311.6	1277.8	1238.5	1196.4	1147.9	1095.7	1036.8	973.5	901.2	824.6
-47.5°	1260.4	1229.8	1196.1	1156.8	1113.4	1066.0	1011.9	954.5	887.5	817.5	742.1
-50°	1171.5	1140.2	1105.8	1067.2	1022.6	975.0	920.1	860.2	796.3	728.1	658.2
-52.5°	1073.5	1041.5	1006.3	968.0	922.5	872.7	819.6	761.4	700.4	638.2	574.2
-55°	964.8	932.3	895.8	855.9	812.4	764.3	713.3	660.1	605.2	547.9	496.5
-57.5°	842.1	811.2	776.2	738.0	696.7	653.4	607.8	559.6	514.3	468.7	423.1
-60°	713.3	684.4	653.4	619.6	583.0	544.3	508.3	470.3	430.3	397.7	364.0
-62.5°	586.1	560.8	534.7	508.3	479.7	449.0	419.3	392.6	364.4	335.5	309.8
-65°	471.6	452.0	430.3	411.7	391.8	370.4	347.6	325.9	304.7	282.4	259.8
-67.5°	377.5	364.0	349.1	333.6	318.8	302.9	285.8	267.8	251.6	235.8	219.3
-70°	300.4	290.4	279.4	267.4	256.0	244.9	233.0	220.4	207.0	195.3	184.1
-72.5°	236.4	229.6	222.1	213.8	204.8	196.9	189.0	180.6	171.8	162.5	153.2
-75°	185.6	181.2	176.3	170.9	165.1	158.8	152.6	146.3	139.6	132.6	125.3
-77.5°	144.5	141.2	137.7	133.7	129.5	124.8	119.9	114.6	108.8	102.7	96.3
-80°	106.2	103.5	100.5	97.3	93.7	89.9	85.7	81.4	76.7	72.1	67.5
-82.5°	67.3	65.5	63.5	61.3	58.8	56.2	53.4	50.5	47.3	44.0	40.5
-85°	32.8	32.0	31.1	30.0	28.9	27.7	26.5	25.1	23.7	22.2	20.6
-87.5°	9.1	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	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: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-730-U-LAM-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°	6.6	6.2	5.9	5.6	5.2	4.8	4.5	4.1	3.7	3.3	2.9
85°	18.9	17.2	15.4	13.5	11.6	9.7	8.9	8.2	7.4	6.6	5.8
82.5°	36.9	34.0	31.3	28.6	25.7	22.8	19.8	16.7	13.5	10.3	8.7
80°	62.6	57.6	52.4	47.0	41.4	35.8	31.8	27.7	23.5	19.2	14.9
77.5°	89.6	82.7	75.5	68.7	61.7	54.6	47.3	39.8	33.4	28.1	22.7
75°	117.6	109.4	100.7	91.8	82.6	73.3	64.6	55.6	46.5	37.2	30.4
72.5°	144.2	135.0	125.3	115.4	104.6	93.7	82.4	71.3	60.6	49.8	38.9
70°	172.5	160.5	149.0	137.7	126.0	113.9	101.1	88.0	74.7	62.3	49.8
67.5°	202.2	188.6	174.6	160.1	146.6	133.1	119.4	104.8	89.8	74.7	60.6
65°	240.7	220.8	200.8	184.7	168.2	151.9	136.7	121.2	104.8	88.0	71.3
62.5°	283.1	256.9	234.3	211.1	190.9	172.3	153.7	136.7	119.4	101.1	82.4
60°	330.6	300.4	269.2	242.5	216.5	192.9	172.3	151.9	133.1	113.9	93.7
57.5°	385.1	345.8	310.8	276.2	245.2	216.5	190.9	168.2	146.6	126.0	104.6
55°	443.4	397.8	354.3	314.3	276.2	242.5	211.1	184.7	160.1	137.7	115.4
52.5°	513.3	454.5	402.1	354.3	310.8	269.2	234.3	200.8	174.6	149.0	125.3
50°	587.4	519.0	454.5	397.8	345.8	300.4	256.9	220.8	188.6	160.5	135.0
47.5°	664.9	587.4	513.3	443.4	385.1	330.6	283.1	240.7	202.2	172.5	144.2
45°	742.1	658.2	574.2	496.5	423.1	364.0	309.8	259.8	219.3	184.1	153.2
42.5°	817.5	728.1	638.2	547.9	468.7	397.7	335.5	282.4	235.8	195.3	162.5
40°	887.5	796.3	700.4	605.2	514.3	430.3	364.4	304.7	251.6	207.0	171.8
37.5°	954.5	860.2	761.4	660.1	559.6	470.3	392.6	325.9	267.8	220.4	180.6
35°	1011.9	920.1	819.6	713.3	607.8	508.3	419.3	347.6	285.8	233.0	189.0
32.5°	1066.0	975.0	872.7	764.3	653.4	544.3	449.0	370.4	302.9	244.9	196.9
30°	1113.4	1022.6	922.5	812.4	696.7	583.0	479.7	391.8	318.8	256.0	204.8
27.5°	1156.8	1067.2	968.0	855.9	738.0	619.6	508.3	411.7	333.6	267.4	213.8
25°	1196.1	1105.8	1006.3	895.8	776.2	653.4	534.7	430.3	349.1	279.4	222.1
22.5°	1229.8	1140.2	1041.5	932.3	811.2	684.4	560.8	452.0	364.0	290.4	229.6
20°	1260.4	1171.5	1073.5	964.8	842.1	713.3	586.1	471.6	377.5	300.4	236.4
17.5°	1287.5	1198.2	1099.8	991.0	869.1	739.0	608.7	489.1	389.5	309.2	242.5
15°	1309.7	1220.4	1122.4	1013.9	892.7	761.4	628.4	504.3	400.0	316.9	247.8
12.5°	1328.7	1239.5	1141.7	1033.5	912.9	780.6	645.2	517.3	408.9	323.4	252.2
10°	1344.5	1255.2	1157.6	1049.6	929.5	796.3	659.0	527.9	416.2	328.8	255.9
7.5°	1356.8	1267.5	1170.1	1062.3	942.5	808.7	669.8	536.2	421.9	333.0	258.8
5°	1365.7	1276.3	1179.0	1071.3	951.8	817.5	677.5	542.2	426.0	336.0	260.9
2.5°	1371.0	1281.6	1184.4	1076.8	957.4	822.8	682.1	545.8	428.5	337.8	262.1
0°	1372.8	1283.4	1186.2	1078.6	959.3	824.6	683.7	547.0	429.3	338.4	262.5
-2.5°	1371.0	1281.6	1184.4	1076.8	957.4	822.8	682.1	545.8	428.5	337.8	262.1
-5°	1365.7	1276.3	1179.0	1071.3	951.8	817.5	677.5	542.2	426.0	336.0	260.9
-7.5°	1356.8	1267.5	1170.1	1062.3	942.5	808.7	669.8	536.2	421.9	333.0	258.8
-10°	1344.5	1255.2	1157.6	1049.6	929.5	796.3	659.0	527.9	416.2	328.8	255.9
-12.5°	1328.7	1239.5	1141.7	1033.5	912.9	780.6	645.2	517.3	408.9	323.4	252.2
-15°	1309.7	1220.4	1122.4	1013.9	892.7	761.4	628.4	504.3	400.0	316.9	247.8
-17.5°	1287.5	1198.2	1099.8	991.0	869.1	739.0	608.7	489.1	389.5	309.2	242.5
-20°	1260.4	1171.5	1073.5	964.8	842.1	713.3	586.1	471.6	377.5	300.4	236.4



REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1229.8	1140.2	1041.5	932.3	811.2	684.4	560.8	452.0	364.0	290.4	229.6
-25°	1196.1	1105.8	1006.3	895.8	776.2	653.4	534.7	430.3	349.1	279.4	222.1
-27.5°	1156.8	1067.2	968.0	855.9	738.0	619.6	508.3	411.7	333.6	267.4	213.8
-30°	1113.4	1022.6	922.5	812.4	696.7	583.0	479.7	391.8	318.8	256.0	204.8
-32.5°	1066.0	975.0	872.7	764.3	653.4	544.3	449.0	370.4	302.9	244.9	196.9
-35°	1011.9	920.1	819.6	713.3	607.8	508.3	419.3	347.6	285.8	233.0	189.0
-37.5°	954.5	860.2	761.4	660.1	559.6	470.3	392.6	325.9	267.8	220.4	180.6
-40°	887.5	796.3	700.4	605.2	514.3	430.3	364.4	304.7	251.6	207.0	171.8
-42.5°	817.5	728.1	638.2	547.9	468.7	397.7	335.5	282.4	235.8	195.3	162.5
-45°	742.1	658.2	574.2	496.5	423.1	364.0	309.8	259.8	219.3	184.1	153.2
-47.5°	664.9	587.4	513.3	443.4	385.1	330.6	283.1	240.7	202.2	172.5	144.2
-50°	587.4	519.0	454.5	397.8	345.8	300.4	256.9	220.8	188.6	160.5	135.0
-52.5°	513.3	454.5	402.1	354.3	310.8	269.2	234.3	200.8	174.6	149.0	125.3
-55°	443.4	397.8	354.3	314.3	276.2	242.5	211.1	184.7	160.1	137.7	115.4
-57.5°	385.1	345.8	310.8	276.2	245.2	216.5	190.9	168.2	146.6	126.0	104.6
-60°	330.6	300.4	269.2	242.5	216.5	192.9	172.3	151.9	133.1	113.9	93.7
-62.5°	283.1	256.9	234.3	211.1	190.9	172.3	153.7	136.7	119.4	101.1	82.4
-65°	240.7	220.8	200.8	184.7	168.2	151.9	136.7	121.2	104.8	88.0	71.3
-67.5°	202.2	188.6	174.6	160.1	146.6	133.1	119.4	104.8	89.8	74.7	60.6
-70°	172.5	160.5	149.0	137.7	126.0	113.9	101.1	88.0	74.7	62.3	49.8
-72.5°	144.2	135.0	125.3	115.4	104.6	93.7	82.4	71.3	60.6	49.8	38.9
-75°	117.6	109.4	100.7	91.8	82.6	73.3	64.6	55.6	46.5	37.2	30.4
-77.5°	89.6	82.7	75.5	68.7	61.7	54.6	47.3	39.8	33.4	28.1	22.7
-80°	62.6	57.6	52.4	47.0	41.4	35.8	31.8	27.7	23.5	19.2	14.9
-82.5°	36.9	34.0	31.3	28.6	25.7	22.8	19.8	16.7	13.5	10.3	8.7
-85°	18.9	17.2	15.4	13.5	11.6	9.7	8.9	8.2	7.4	6.6	5.8
-87.5°	6.6	6.2	5.9	5.6	5.2	4.8	4.5	4.1	3.7	3.3	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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Scaled Data Report



REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-730-U-LAM-XX

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	0.8	0.4	0.0
85°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
82.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
80°	10.5	8.4	6.7	5.0	3.4	1.7	0.0
77.5°	17.2	11.6	8.4	6.3	4.2	2.1	0.0
75°	23.8	17.2	10.5	7.5	5.0	2.5	0.0
72.5°	30.4	22.7	14.9	8.7	5.8	2.9	0.0
70°	37.2	28.1	19.2	10.3	6.6	3.3	0.0
67.5°	46.5	33.4	23.5	13.5	7.4	3.7	0.0
65°	55.6	39.8	27.7	16.7	8.2	4.1	0.0
62.5°	64.6	47.3	31.8	19.8	8.9	4.5	0.0
60°	73.3	54.6	35.8	22.8	9.7	4.8	0.0
57.5°	82.6	61.7	41.4	25.7	11.6	5.2	0.0
55°	91.8	68.7	47.0	28.6	13.5	5.6	0.0
52.5°	100.7	75.5	52.4	31.3	15.4	5.9	0.0
50°	109.4	82.7	57.6	34.0	17.2	6.2	0.0
47.5°	117.6	89.6	62.6	36.9	18.9	6.6	0.0
45°	125.3	96.3	67.5	40.5	20.6	6.9	0.0
42.5°	132.6	102.7	72.1	44.0	22.2	7.2	0.0
40°	139.6	108.8	76.7	47.3	23.7	7.4	0.0
37.5°	146.3	114.6	81.4	50.5	25.1	7.7	0.0
35°	152.6	119.9	85.7	53.4	26.5	7.9	0.0
32.5°	158.8	124.8	89.9	56.2	27.7	8.2	0.0
30°	165.1	129.5	93.7	58.8	28.9	8.4	0.0
27.5°	170.9	133.7	97.3	61.3	30.0	8.6	0.0
25°	176.3	137.7	100.5	63.5	31.1	8.8	0.0
22.5°	181.2	141.2	103.5	65.5	32.0	9.0	0.0
20°	185.6	144.5	106.2	67.3	32.8	9.1	0.0
17.5°	189.5	147.3	108.6	69.0	33.6	9.3	0.0
15°	192.9	149.8	110.7	70.4	34.2	9.4	0.0
12.5°	195.9	151.9	112.5	71.6	34.8	9.5	0.0
10°	198.2	153.7	113.9	72.5	35.2	9.6	0.0
7.5°	200.1	155.0	115.0	73.3	35.5	9.6	0.0
5°	201.4	156.0	115.9	73.9	35.8	9.7	0.0
2.5°	202.2	156.6	116.3	74.2	35.9	9.7	0.0
0°	202.5	156.8	116.5	74.3	36.0	9.7	0.0
-2.5°	202.2	156.6	116.3	74.2	35.9	9.7	0.0
-5°	201.4	156.0	115.9	73.9	35.8	9.7	0.0
-7.5°	200.1	155.0	115.0	73.3	35.5	9.6	0.0
-10°	198.2	153.7	113.9	72.5	35.2	9.6	0.0
-12.5°	195.9	151.9	112.5	71.6	34.8	9.5	0.0
-15°	192.9	149.8	110.7	70.4	34.2	9.4	0.0
-17.5°	189.5	147.3	108.6	69.0	33.6	9.3	0.0
-20°	185.6	144.5	106.2	67.3	32.8	9.1	0.0

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REPORT NUMBER: P645324 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	181.2	141.2	103.5	65.5	32.0	9.0	0.0
-25°	176.3	137.7	100.5	63.5	31.1	8.8	0.0
-27.5°	170.9	133.7	97.3	61.3	30.0	8.6	0.0
-30°	165.1	129.5	93.7	58.8	28.9	8.4	0.0
-32.5°	158.8	124.8	89.9	56.2	27.7	8.2	0.0
-35°	152.6	119.9	85.7	53.4	26.5	7.9	0.0
-37.5°	146.3	114.6	81.4	50.5	25.1	7.7	0.0
-40°	139.6	108.8	76.7	47.3	23.7	7.4	0.0
-42.5°	132.6	102.7	72.1	44.0	22.2	7.2	0.0
-45°	125.3	96.3	67.5	40.5	20.6	6.9	0.0
-47.5°	117.6	89.6	62.6	36.9	18.9	6.6	0.0
-50°	109.4	82.7	57.6	34.0	17.2	6.2	0.0
-52.5°	100.7	75.5	52.4	31.3	15.4	5.9	0.0
-55°	91.8	68.7	47.0	28.6	13.5	5.6	0.0
-57.5°	82.6	61.7	41.4	25.7	11.6	5.2	0.0
-60°	73.3	54.6	35.8	22.8	9.7	4.8	0.0
-62.5°	64.6	47.3	31.8	19.8	8.9	4.5	0.0
-65°	55.6	39.8	27.7	16.7	8.2	4.1	0.0
-67.5°	46.5	33.4	23.5	13.5	7.4	3.7	0.0
-70°	37.2	28.1	19.2	10.3	6.6	3.3	0.0
-72.5°	30.4	22.7	14.9	8.7	5.8	2.9	0.0
-75°	23.8	17.2	10.5	7.5	5.0	2.5	0.0
-77.5°	17.2	11.6	8.4	6.3	4.2	2.1	0.0
-80°	10.5	8.4	6.7	5.0	3.4	1.7	0.0
-82.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
-85°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-87.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)