

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: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1A-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1A-730-U-VWR-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

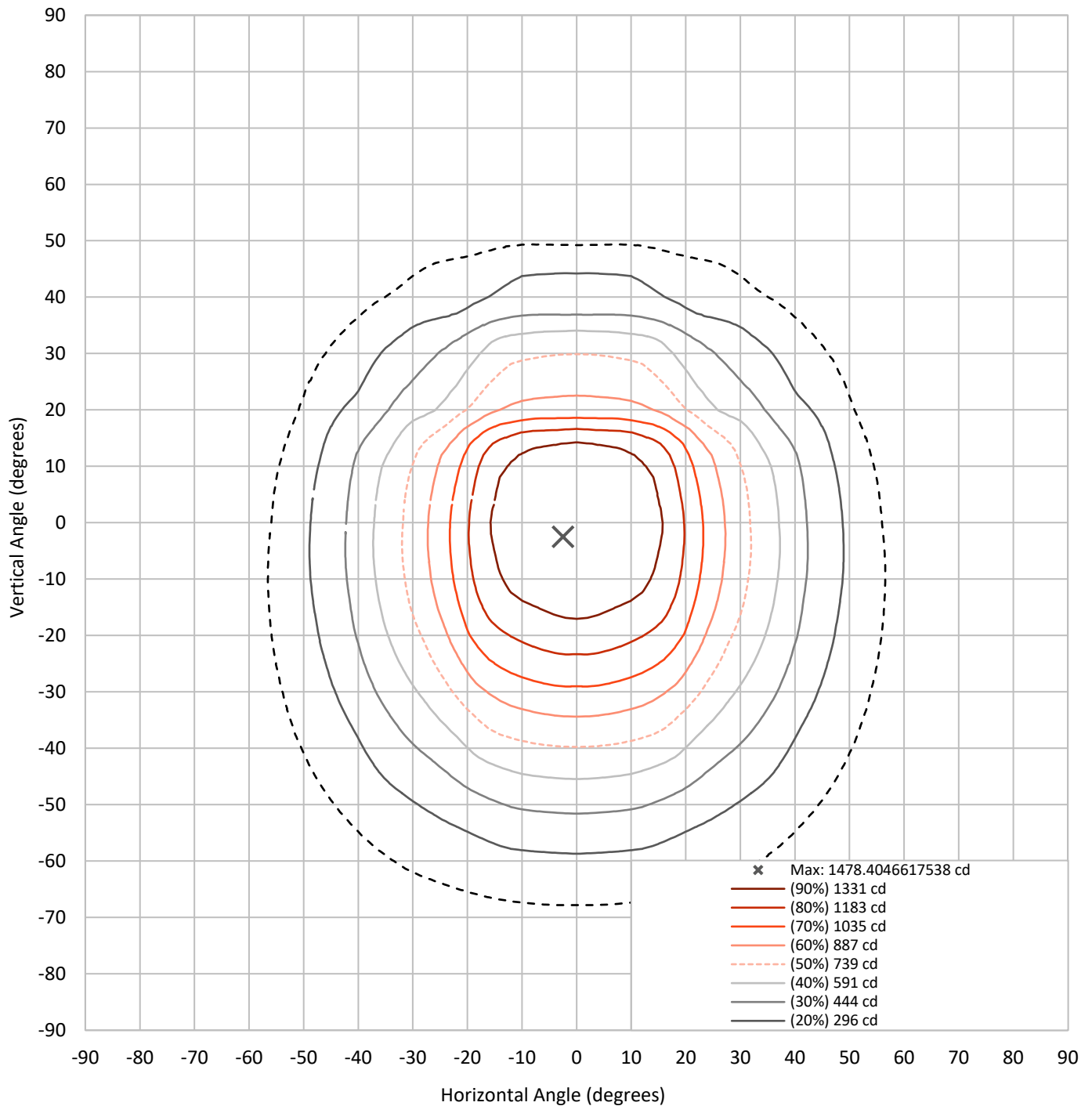
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	1973 lumens	Max Intensity:	1478.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	109.0 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117°V
Beam Lumens:	1141.5 lumens	Field Lumens:	1872.2 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	18.1		
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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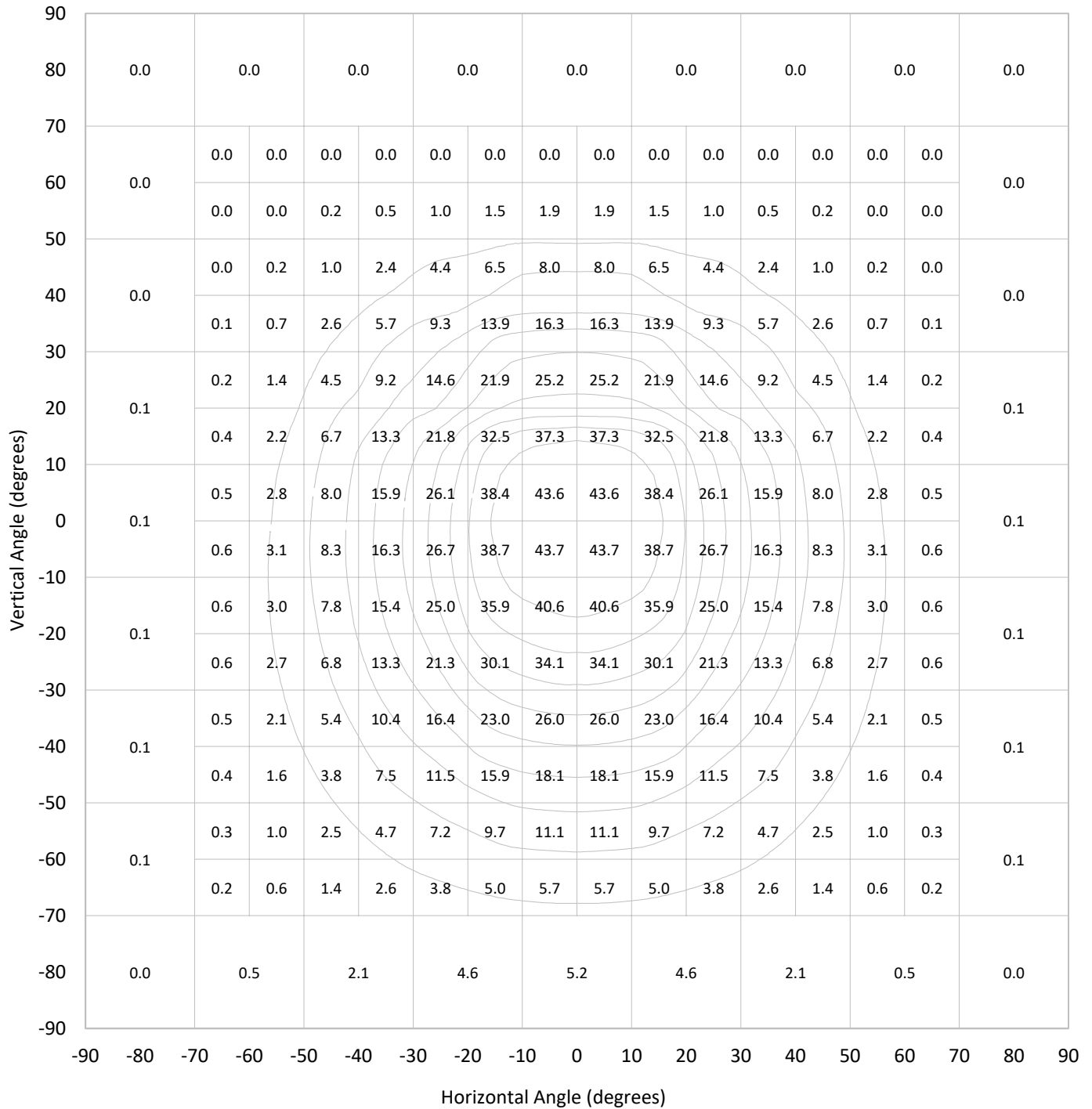
Iso-Candela Plot





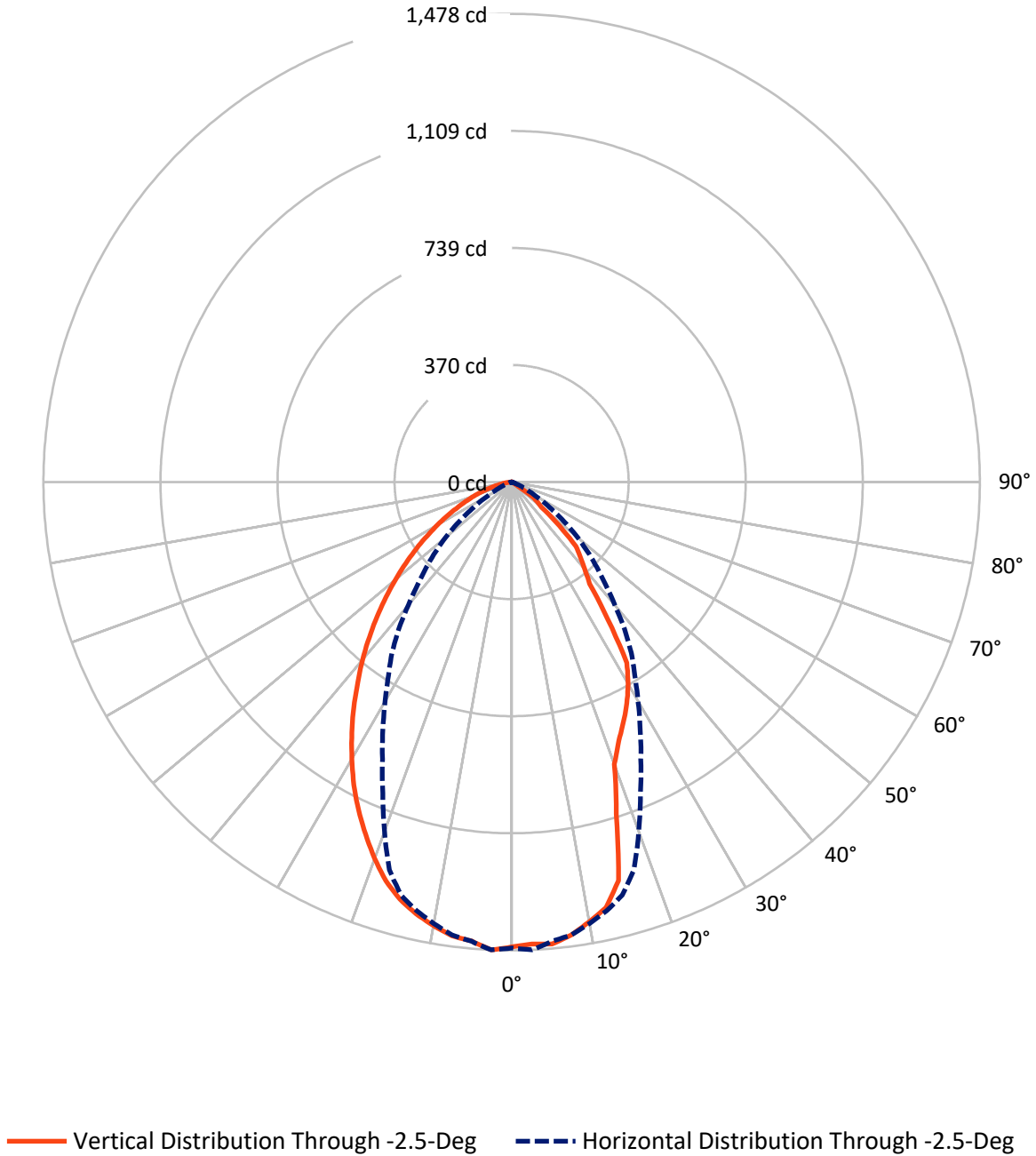
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Lumen Table



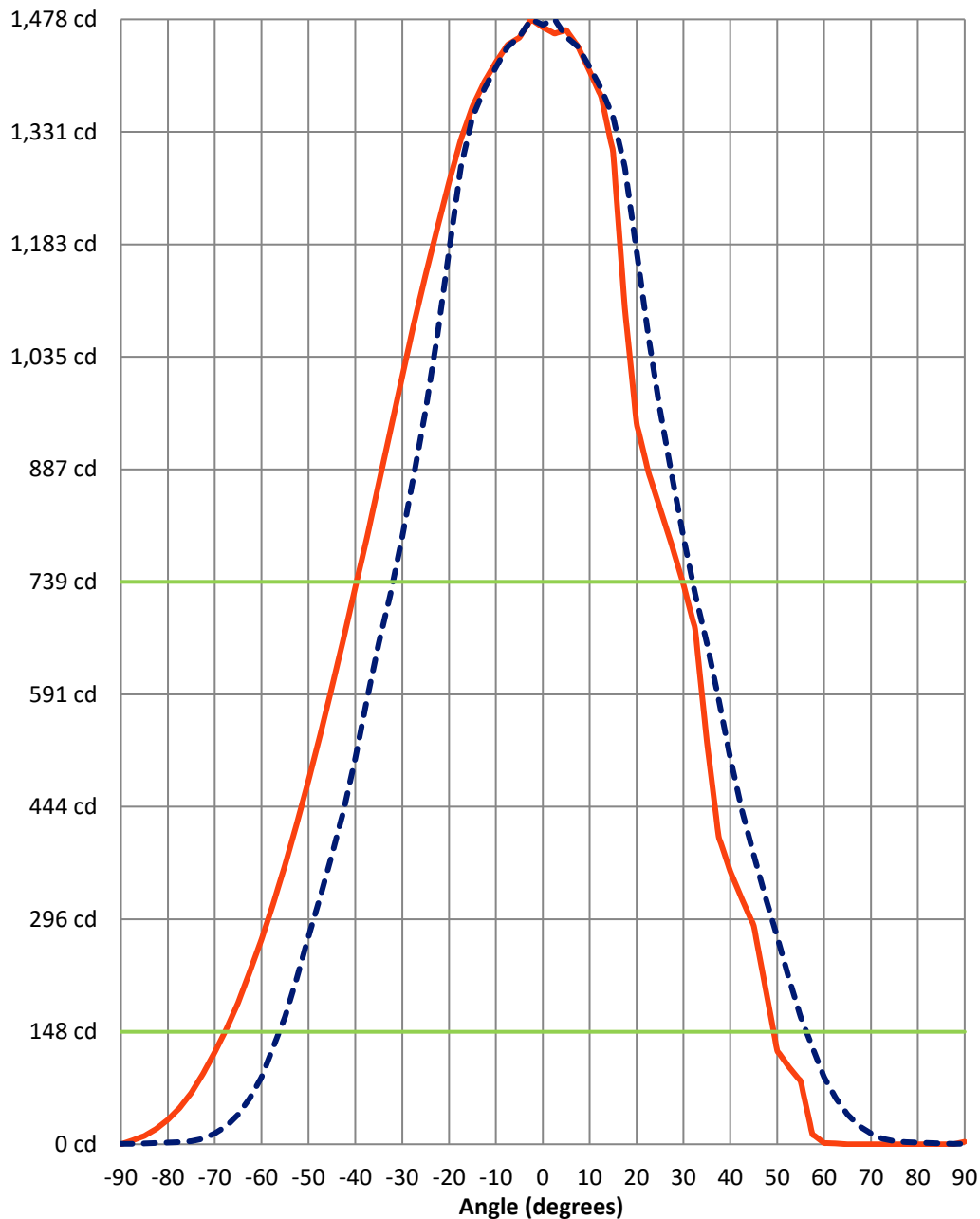
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 1141.5
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117°
 Lumens: 1872.2
 Efficiency: 94.9%

Spill:
 Lumens: 100.8
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-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°	0.6	0.6	0.6	0.7	0.9	1.0	1.1	1.3	1.4	1.6	1.7
87.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0
85°	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0
82.5°	0.6	0.6	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.1	0.2
80°	0.6	0.6	0.6	0.5	0.4	0.2	0.0	0.1	0.2	0.3	0.4
77.5°	0.6	0.6	0.6	0.5	0.4	0.2	0.2	0.3	0.4	0.5	0.5
75°	0.6	0.6	0.6	0.5	0.3	0.3	0.3	0.5	0.6	0.5	0.3
72.5°	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.6	0.5	0.3	0.1
70°	0.6	0.6	0.6	0.5	0.4	0.5	0.6	0.6	0.4	0.2	0.3
67.5°	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.4	0.4	0.5
65°	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.5	0.6	0.7	0.7
62.5°	0.6	0.6	0.6	0.5	0.6	0.7	0.7	0.7	0.8	0.9	0.8
60°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.9	1.0	0.9
57.5°	0.6	0.6	0.6	0.6	0.6	0.7	0.8	1.0	1.1	1.1	1.1
55°	0.6	0.6	0.6	0.6	0.7	0.8	0.9	1.1	1.3	1.3	1.4
52.5°	0.6	0.6	0.6	0.6	0.8	0.9	1.1	1.3	1.5	1.5	1.6
50°	0.6	0.6	0.6	0.6	0.8	1.0	1.2	1.5	1.7	1.8	1.9
47.5°	0.6	0.6	0.6	0.6	0.9	1.1	1.3	1.6	1.9	2.0	2.1
45°	0.6	0.6	0.7	0.7	0.9	1.2	1.5	1.8	2.0	2.2	2.4
42.5°	0.6	0.6	0.7	0.7	1.0	1.3	1.6	1.9	2.2	2.5	2.9
40°	0.6	0.6	0.7	0.8	1.1	1.4	1.7	2.1	2.5	2.7	3.5
37.5°	0.6	0.6	0.7	0.8	1.1	1.5	1.8	2.3	2.7	3.1	4.0
35°	0.6	0.6	0.7	0.9	1.2	1.6	2.0	2.5	2.9	3.7	5.1
32.5°	0.6	0.6	0.8	1.0	1.3	1.7	2.1	2.7	3.2	4.6	7.3
30°	0.6	0.6	0.8	1.0	1.4	1.8	2.2	2.9	3.5	5.5	9.4
27.5°	0.6	0.6	0.8	1.1	1.5	1.9	2.4	3.1	3.9	6.5	11.4
25°	0.6	0.6	0.8	1.2	1.6	1.9	2.6	3.3	4.7	8.0	13.4
22.5°	0.6	0.6	0.9	1.2	1.6	2.0	2.7	3.5	5.5	9.7	16.1
20°	0.6	0.6	0.9	1.3	1.7	2.1	2.9	3.8	6.4	11.2	18.8
17.5°	0.6	0.6	0.9	1.4	1.8	2.2	3.0	4.0	7.3	12.7	21.4
15°	0.6	0.6	0.9	1.4	1.9	2.3	3.2	4.3	8.2	14.1	23.9
12.5°	0.6	0.6	1.0	1.5	1.9	2.4	3.3	4.6	9.2	15.4	26.3
10°	0.6	0.6	1.0	1.5	2.0	2.5	3.5	5.0	10.2	16.9	28.7
7.5°	0.6	0.6	1.0	1.6	2.0	2.6	3.6	5.4	11.2	18.4	31.3
5°	0.6	0.6	1.1	1.6	2.1	2.7	3.7	5.8	12.2	19.7	33.6
2.5°	0.6	0.6	1.1	1.7	2.2	2.7	3.8	6.2	13.0	21.0	35.7
0°	0.6	0.6	1.1	1.7	2.2	2.8	3.9	6.6	13.8	22.1	37.5
-2.5°	0.6	0.6	1.1	1.7	2.2	2.8	3.9	6.6	13.8	22.1	37.5
-5°	0.6	0.6	1.1	1.7	2.3	2.9	4.3	7.9	14.8	25.4	40.5
-7.5°	0.6	0.6	1.1	1.7	2.3	2.9	4.5	8.4	15.1	26.6	41.6
-10°	0.6	0.6	1.1	1.7	2.4	3.0	4.6	8.9	15.4	27.5	42.4
-12.5°	0.6	0.6	1.1	1.7	2.4	3.0	4.7	9.2	15.5	28.0	43.0
-15°	0.6	0.6	1.1	1.6	2.4	3.0	4.8	9.4	15.9	27.9	43.2
-17.5°	0.6	0.6	1.1	1.6	2.4	3.1	4.8	9.6	16.3	27.6	42.9
-20°	0.6	0.6	1.0	1.6	2.4	3.1	4.9	9.8	16.7	27.1	42.1

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CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.6	0.6	1.0	1.6	2.4	3.1	5.2	9.9	16.8	26.4	40.8
-25°	0.6	0.6	1.0	1.5	2.3	3.3	5.5	9.9	16.7	25.5	38.9
-27.5°	0.6	0.6	1.0	1.5	2.3	3.6	5.7	9.7	16.5	24.7	37.5
-30°	0.6	0.6	1.0	1.5	2.2	3.8	5.8	9.5	16.2	24.3	35.9
-32.5°	0.6	0.6	0.9	1.4	2.3	4.0	5.9	9.5	15.8	23.7	34.1
-35°	0.6	0.6	0.9	1.4	2.4	4.1	6.0	9.5	15.3	22.9	32.2
-37.5°	0.6	0.6	0.9	1.3	2.4	4.2	6.2	9.5	14.6	21.8	31.3
-40°	0.6	0.6	0.9	1.3	2.4	4.2	6.3	9.4	13.7	20.7	30.3
-42.5°	0.6	0.6	0.8	1.2	2.4	4.2	6.4	9.1	13.2	19.8	28.8
-45°	0.6	0.6	0.8	1.2	2.4	4.2	6.3	8.9	12.8	18.8	26.9
-47.5°	0.6	0.6	0.8	1.2	2.4	4.2	6.2	8.8	12.4	17.5	25.4
-50°	0.6	0.6	0.7	1.2	2.4	4.1	6.1	8.6	12.0	17.0	23.6
-52.5°	0.6	0.6	0.7	1.2	2.3	3.9	6.0	8.3	11.7	16.4	21.7
-55°	0.6	0.6	0.7	1.2	2.2	3.8	5.7	8.0	11.3	15.7	20.8
-57.5°	0.6	0.6	0.6	1.1	2.1	3.6	5.5	7.6	10.8	14.9	19.7
-60°	0.6	0.6	0.6	1.1	1.9	3.3	5.2	7.3	10.2	14.0	18.5
-62.5°	0.6	0.6	0.6	1.0	1.8	3.0	4.8	6.8	9.3	12.9	17.1
-65°	0.6	0.6	0.6	1.0	1.7	2.7	4.3	6.1	8.3	11.5	15.5
-67.5°	0.6	0.6	0.6	0.9	1.6	2.4	3.8	5.4	7.1	9.7	13.3
-70°	0.6	0.6	0.6	0.8	1.4	2.2	3.2	4.6	6.1	7.8	10.7
-72.5°	0.6	0.6	0.6	0.8	1.3	2.0	2.8	3.7	5.0	6.5	8.2
-75°	0.6	0.6	0.6	0.8	1.1	1.7	2.5	3.1	3.9	5.1	6.5
-77.5°	0.6	0.6	0.6	0.8	1.1	1.5	2.1	2.7	3.2	3.9	4.8
-80°	0.6	0.6	0.6	0.8	1.0	1.3	1.7	2.2	2.6	3.1	3.7
-82.5°	0.6	0.6	0.6	0.8	1.0	1.3	1.6	1.8	2.0	2.4	2.8
-85°	0.6	0.6	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9	2.1
-87.5°	0.6	0.6	0.6	0.7	0.9	1.1	1.3	1.4	1.6	1.7	1.9
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.3	0.1	0.0



REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.0	2.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.3	0.4	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1
67.5°	0.6	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.3
65°	0.6	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.6	0.5	0.6
62.5°	0.6	0.6	0.7	0.8	0.9	1.0	1.0	0.9	0.7	0.9	1.0
60°	0.9	0.9	1.0	1.1	1.2	1.3	1.3	1.3	1.4	1.7	3.1
57.5°	1.1	1.2	1.3	1.5	1.7	1.7	1.7	1.9	4.4	7.2	7.9
55°	1.4	1.5	1.7	2.0	2.2	2.1	3.0	6.4	9.6	13.3	14.7
52.5°	1.7	1.8	2.2	2.6	2.7	4.2	7.6	12.2	17.0	21.3	26.8
50°	2.0	2.4	2.8	3.3	5.2	9.2	14.1	20.4	27.6	34.4	41.4
47.5°	2.5	3.0	3.6	5.1	10.2	15.8	22.7	32.7	41.6	49.8	59.4
45°	3.1	4.1	4.8	10.2	16.1	23.2	34.9	47.2	55.2	66.2	83.1
42.5°	3.6	5.6	9.1	15.4	22.6	34.1	48.6	59.0	69.7	87.6	105.4
40°	5.2	7.5	13.8	21.2	30.3	47.1	61.9	73.7	88.4	108.2	126.8
37.5°	7.1	11.6	18.5	27.4	42.5	60.8	76.7	93.6	110.5	129.2	163.7
35°	9.3	15.3	24.5	36.5	54.6	76.1	95.1	113.9	133.4	170.2	204.4
32.5°	12.1	18.7	30.7	47.1	67.8	91.3	113.4	135.2	166.4	208.0	242.4
30°	15.1	24.2	37.9	56.9	80.2	105.3	131.9	158.2	199.5	234.0	271.2
27.5°	18.3	29.9	46.4	67.1	91.8	118.5	148.4	186.0	222.9	256.9	297.8
25°	21.6	35.9	54.2	76.9	103.2	132.7	167.2	212.9	241.7	279.4	322.1
22.5°	25.7	41.7	61.8	85.8	113.7	147.4	191.3	237.2	271.1	302.8	344.5
20°	30.6	48.2	70.2	96.9	124.1	161.7	215.3	263.6	303.5	339.7	378.1
17.5°	35.0	54.2	79.1	108.2	139.2	180.0	238.8	292.3	336.2	376.6	424.4
15°	39.2	59.8	87.8	119.0	154.0	201.0	259.9	318.6	368.8	414.2	468.5
12.5°	43.0	65.0	96.2	129.0	167.9	219.1	277.6	334.9	390.0	449.3	510.9
10°	46.4	69.6	104.1	138.3	180.9	234.4	292.2	348.5	404.1	466.8	535.3
7.5°	50.1	73.9	111.3	146.7	192.6	247.0	303.9	359.4	415.5	480.8	551.2
5°	53.5	77.9	117.1	152.7	201.7	256.9	312.7	367.7	424.2	491.3	563.2
2.5°	56.5	81.2	121.7	157.5	208.5	264.1	318.4	374.6	430.6	499.8	572.4
0°	59.1	83.9	125.3	161.1	213.6	269.3	321.7	379.1	434.3	505.5	578.4
-2.5°	60.7	88.3	127.7	167.5	218.1	272.7	324.7	380.4	438.4	507.3	585.2
-5°	61.8	91.9	129.2	172.4	221.0	274.2	325.8	379.4	439.5	506.9	586.2
-7.5°	62.5	94.4	129.9	175.2	222.0	273.3	324.1	377.6	437.7	505.1	581.8
-10°	62.8	95.2	130.8	174.3	220.6	270.4	320.4	373.2	432.7	499.5	573.4
-12.5°	63.9	94.7	130.7	172.5	217.7	265.9	314.8	366.3	424.3	489.9	561.9
-15°	64.2	93.6	129.1	169.7	213.3	260.0	307.6	356.7	414.1	480.5	549.2
-17.5°	63.6	91.9	126.0	166.3	207.3	253.0	299.0	348.2	404.4	469.7	535.8
-20°	62.1	89.6	121.4	162.1	200.3	245.1	290.5	339.1	393.3	454.7	520.9

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CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	59.7	86.9	116.4	156.4	194.2	236.0	280.4	326.9	379.4	435.2	500.8
-25°	57.2	83.9	112.5	148.5	186.9	225.5	268.9	311.9	363.0	417.8	476.0
-27.5°	54.8	79.7	108.4	139.9	178.3	214.2	255.9	297.8	344.7	398.4	452.0
-30°	51.7	75.1	103.4	131.6	167.9	203.6	241.4	282.6	324.8	375.8	428.5
-32.5°	49.0	70.3	97.7	125.2	156.9	191.6	225.8	265.1	306.2	349.7	401.8
-35°	47.2	67.5	91.7	117.9	145.5	178.6	211.1	245.2	285.1	325.9	371.6
-37.5°	45.7	64.3	85.3	110.3	136.6	165.0	195.4	226.8	261.5	302.7	345.7
-40°	43.3	60.7	80.7	103.0	126.3	152.0	180.2	208.7	238.8	279.0	321.4
-42.5°	40.3	57.1	76.2	95.1	116.3	139.9	164.9	191.7	220.7	255.6	294.6
-45°	38.1	52.6	71.3	88.2	105.8	127.3	150.9	175.1	202.4	232.4	267.4
-47.5°	35.1	47.7	64.8	80.7	96.1	114.5	136.1	159.0	183.2	210.2	238.9
-50°	32.0	43.6	56.9	72.4	87.1	102.4	120.8	142.0	164.0	187.5	213.1
-52.5°	29.6	38.8	51.0	63.8	77.9	91.8	107.4	125.6	145.2	164.9	187.4
-55°	26.9	35.3	45.3	56.8	68.8	81.7	95.9	111.8	127.8	145.9	163.8
-57.5°	25.0	31.9	40.6	50.6	61.3	72.3	85.7	99.2	114.0	128.9	143.8
-60°	23.6	28.9	36.1	44.9	54.5	64.7	75.8	88.3	101.0	113.2	126.1
-62.5°	21.9	26.5	32.2	39.3	48.0	56.9	66.6	77.3	88.8	99.1	109.1
-65°	19.8	23.8	28.6	34.4	41.2	48.7	57.0	66.0	76.0	84.3	92.5
-67.5°	17.3	20.7	24.7	29.5	35.2	41.0	47.1	54.7	62.8	69.6	76.2
-70°	14.1	17.3	20.6	24.5	28.9	33.9	39.2	44.7	50.3	55.8	61.9
-72.5°	10.8	13.6	16.5	19.3	22.8	26.9	31.2	35.9	40.7	45.4	50.0
-75°	8.2	10.0	12.5	15.0	17.5	20.2	23.1	26.8	31.3	35.9	40.1
-77.5°	6.2	7.7	9.4	11.1	12.6	14.6	16.8	19.1	22.8	27.0	31.3
-80°	4.5	5.4	6.7	8.1	9.2	10.3	11.4	12.6	15.3	18.7	22.4
-82.5°	3.3	4.0	4.7	5.5	6.0	6.6	7.2	8.0	10.0	12.3	14.8
-85°	2.3	2.5	2.9	3.3	3.7	4.0	4.3	4.6	5.7	6.9	8.3
-87.5°	2.0	2.1	2.2	2.3	2.4	2.4	2.4	2.5	2.8	3.2	3.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	2.2	2.4	2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.3	3.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.4	0.3	0.1	0.2	0.3	0.4	0.4	0.4	0.3
62.5°	0.9	0.8	0.7	0.8	1.0	1.2	1.1	1.1	1.0	0.9	1.0
60°	3.3	2.2	2.5	3.2	3.0	2.1	3.3	3.8	3.2	2.2	2.2
57.5°	8.3	8.0	9.2	13.4	14.7	13.4	16.0	19.4	19.3	16.7	16.6
55°	17.6	23.7	30.9	32.1	37.1	47.3	55.1	51.7	51.7	54.3	62.7
52.5°	33.5	39.2	41.3	46.9	57.5	65.1	70.1	75.2	80.8	86.5	92.3
50°	49.1	54.6	60.9	66.7	81.3	89.2	87.9	98.5	112.0	120.4	124.8
47.5°	72.1	80.8	94.0	114.7	125.7	133.6	143.4	155.3	170.9	191.9	208.1
45°	99.0	112.7	133.2	155.3	172.2	179.9	191.2	209.8	234.5	258.5	276.1
42.5°	121.1	139.9	163.0	184.0	197.9	210.6	225.1	240.8	269.1	294.8	315.1
40°	149.9	164.6	190.5	210.3	222.7	235.3	258.4	281.8	308.4	332.3	349.0
37.5°	186.5	202.9	229.8	252.3	264.2	268.7	307.9	340.5	362.1	392.7	402.7
35°	225.7	252.7	287.1	316.2	327.9	351.2	391.6	437.1	486.3	504.4	519.9
32.5°	269.4	302.8	349.4	380.7	397.4	432.8	483.9	532.4	596.8	631.7	642.2
30°	309.4	347.7	387.8	418.2	446.7	489.3	535.9	595.8	655.4	700.1	714.0
27.5°	338.8	381.2	419.8	448.2	480.4	526.3	584.4	645.0	703.5	749.2	765.3
25°	366.8	414.8	445.3	478.4	516.1	566.2	630.6	698.0	755.6	794.1	814.0
22.5°	398.8	446.0	478.8	506.8	556.1	613.9	673.7	749.8	810.8	841.5	863.1
20°	431.7	485.2	535.7	561.8	604.5	677.6	744.6	816.4	875.3	907.3	930.0
17.5°	477.6	545.7	607.8	644.7	690.4	777.8	861.3	934.0	1016.0	1044.9	1072.7
15°	526.0	604.9	677.6	736.0	795.1	881.7	989.2	1076.9	1170.4	1212.2	1259.5
12.5°	574.3	648.9	714.8	790.2	873.5	950.1	1052.4	1161.6	1246.5	1299.7	1331.5
10°	610.4	679.7	743.1	818.6	901.8	988.4	1090.1	1202.1	1290.9	1336.4	1362.3
7.5°	629.9	696.2	763.0	839.6	922.4	1014.7	1119.5	1230.5	1321.3	1365.4	1391.0
5°	644.3	708.0	777.2	857.9	941.6	1035.1	1139.8	1249.6	1332.3	1379.2	1411.6
2.5°	653.1	715.5	786.3	869.7	953.6	1051.0	1160.8	1274.5	1346.9	1384.6	1414.4
0°	655.6	718.5	791.4	875.8	961.9	1060.2	1168.9	1281.5	1354.9	1391.3	1421.6
-2.5°	658.5	723.3	798.1	879.9	965.2	1063.1	1174.1	1283.8	1349.8	1386.6	1415.5
-5°	656.5	723.6	798.2	876.5	962.5	1059.6	1166.2	1268.8	1337.8	1377.5	1406.3
-7.5°	650.6	718.7	792.5	867.7	952.0	1050.3	1156.4	1255.2	1325.1	1367.0	1398.5
-10°	641.9	708.0	782.4	858.6	941.8	1035.4	1139.8	1238.0	1305.0	1349.5	1386.1
-12.5°	632.3	697.1	768.7	841.8	924.2	1016.6	1117.8	1210.7	1277.3	1325.8	1352.0
-15°	618.2	682.8	751.3	822.0	902.3	992.0	1088.6	1177.8	1243.2	1282.7	1311.6
-17.5°	600.1	663.6	728.5	795.6	871.2	959.5	1056.7	1144.7	1198.0	1233.2	1261.7
-20°	580.7	639.5	701.0	764.2	837.6	925.0	1020.5	1097.2	1147.4	1181.3	1208.2



REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	558.6	615.2	671.5	732.0	803.9	884.1	968.4	1042.5	1096.5	1127.4	1152.2
-25°	533.4	588.4	641.9	700.3	766.4	838.5	916.9	989.7	1038.1	1070.9	1095.5
-27.5°	506.3	557.9	610.2	662.6	722.0	793.8	866.5	934.2	975.4	1008.5	1033.2
-30°	479.1	525.6	574.0	623.6	679.4	744.1	812.1	869.0	912.5	944.6	967.6
-32.5°	449.8	493.9	536.7	583.1	635.6	692.7	752.3	806.4	852.9	882.3	901.7
-35°	419.7	462.4	501.6	543.7	590.0	639.3	694.3	747.7	793.6	816.9	835.8
-37.5°	388.3	430.9	468.1	503.3	543.2	588.7	642.4	693.3	733.0	753.0	770.0
-40°	361.1	398.5	432.0	465.7	498.1	538.6	588.6	638.0	669.8	689.3	705.1
-42.5°	334.7	366.3	393.6	423.8	456.3	496.2	536.6	577.9	603.5	625.1	641.8
-45°	303.9	332.1	357.8	382.9	412.5	448.9	485.6	518.7	542.7	563.6	579.8
-47.5°	269.8	297.1	322.0	344.4	371.9	402.3	433.2	460.8	484.4	505.1	519.5
-50°	238.0	262.4	286.7	309.4	333.3	357.8	382.9	407.1	429.6	449.6	462.0
-52.5°	209.5	232.0	253.3	273.2	294.0	314.8	335.5	357.7	378.4	397.4	407.2
-55°	183.8	204.1	223.3	240.0	256.8	273.2	291.0	311.4	330.5	348.1	355.2
-57.5°	160.7	178.1	195.1	209.2	222.9	236.0	251.6	268.8	285.5	300.6	306.3
-60°	139.4	153.2	167.4	180.0	191.9	203.1	216.7	230.6	244.2	255.6	260.5
-62.5°	119.9	131.6	142.4	152.6	162.7	172.8	183.8	194.8	205.8	214.5	219.0
-65°	101.0	110.4	119.0	127.4	135.6	144.1	152.7	161.1	169.1	175.4	179.3
-67.5°	83.3	90.5	97.3	103.9	110.7	117.6	124.3	130.7	136.8	141.6	145.3
-70°	67.6	73.1	78.5	83.9	89.6	95.0	100.0	104.9	109.4	112.9	115.7
-72.5°	54.5	59.0	63.6	68.5	73.1	77.1	80.7	84.3	87.6	89.6	91.1
-75°	44.0	47.7	51.8	55.7	59.5	62.6	65.3	67.9	70.4	70.5	70.0
-77.5°	35.5	38.9	42.0	45.1	48.2	50.0	51.7	53.3	55.0	54.0	52.5
-80°	26.1	28.9	31.5	34.2	36.8	38.0	38.7	39.4	39.9	38.7	37.1
-82.5°	17.3	19.1	20.8	22.5	24.3	25.0	25.6	26.0	26.4	25.2	23.9
-85°	9.7	10.5	11.3	12.2	13.0	13.5	14.0	14.4	14.8	14.1	13.3
-87.5°	4.0	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.4	5.4	5.5
-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: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.4	0.4
62.5°	1.0	1.1	1.1	1.1	1.1	1.1	1.0	1.0	0.9	1.0	1.1
60°	2.0	1.8	1.7	1.7	1.7	1.8	2.0	2.2	2.2	3.2	3.8
57.5°	15.3	13.1	13.4	14.9	13.4	13.1	15.3	16.6	16.7	19.3	19.4
55°	71.5	79.8	82.7	81.1	82.7	79.8	71.5	62.7	54.3	51.7	51.7
52.5°	96.9	100.3	101.6	101.5	101.6	100.3	96.9	92.3	86.5	80.8	75.2
50°	126.1	124.9	123.2	121.4	123.2	124.9	126.1	124.8	120.4	112.0	98.5
47.5°	210.5	206.8	205.3	208.1	205.3	206.8	210.5	208.1	191.9	170.9	155.3
45°	279.7	283.9	287.1	287.0	287.1	283.9	279.7	276.1	258.5	234.5	209.8
42.5°	319.1	321.4	322.0	321.2	322.0	321.4	319.1	315.1	294.8	269.1	240.8
40°	354.2	356.9	358.5	359.8	358.5	356.9	354.2	349.0	332.3	308.4	281.8
37.5°	406.0	407.0	404.8	403.4	404.8	407.0	406.0	402.7	392.7	362.1	340.5
35°	532.9	535.5	529.5	535.9	529.5	535.5	532.9	519.9	504.4	486.3	437.1
32.5°	654.7	666.9	676.8	684.9	676.8	666.9	654.7	642.2	631.7	596.8	532.4
30°	723.6	731.5	735.8	736.8	735.8	731.5	723.6	714.0	700.1	655.4	595.8
27.5°	774.3	782.5	787.6	791.4	787.6	782.5	774.3	765.3	749.2	703.5	645.0
25°	823.1	830.6	835.8	837.8	835.8	830.6	823.1	814.0	794.1	755.6	698.0
22.5°	873.7	879.0	883.9	886.3	883.9	879.0	873.7	863.1	841.5	810.8	749.8
20°	946.3	943.5	948.0	946.5	948.0	943.5	946.3	930.0	907.3	875.3	816.4
17.5°	1094.3	1095.8	1098.8	1103.8	1098.8	1095.8	1094.3	1072.7	1044.9	1016.0	934.0
15°	1280.4	1284.1	1303.1	1320.1	1303.1	1284.1	1280.4	1259.5	1212.2	1170.4	1076.9
12.5°	1361.1	1374.0	1376.0	1380.8	1376.0	1374.0	1361.1	1331.5	1299.7	1246.5	1161.6
10°	1388.0	1410.4	1409.9	1415.6	1409.9	1410.4	1388.0	1362.3	1336.4	1290.9	1202.1
7.5°	1408.4	1432.5	1442.7	1447.0	1442.7	1432.5	1408.4	1391.0	1365.4	1321.3	1230.5
5°	1433.3	1446.6	1464.2	1459.2	1464.2	1446.6	1433.3	1411.6	1379.2	1332.3	1249.6
2.5°	1443.8	1464.5	1459.8	1464.7	1459.8	1464.5	1443.8	1414.4	1384.6	1346.9	1274.5
0°	1450.9	1465.8	1468.0	1473.0	1468.0	1465.8	1450.9	1421.6	1391.3	1354.9	1281.5
-2.5°	1442.3	1455.5	1478.4	1471.3	1478.4	1455.5	1442.3	1415.5	1386.6	1349.8	1283.8
-5°	1434.9	1467.1	1454.6	1470.2	1454.6	1467.1	1434.9	1406.3	1377.5	1337.8	1268.8
-7.5°	1430.9	1436.7	1445.0	1457.0	1445.0	1436.7	1430.9	1398.5	1367.0	1325.1	1255.2
-10°	1401.0	1406.9	1422.2	1430.5	1422.2	1406.9	1401.0	1386.1	1349.5	1305.0	1238.0
-12.5°	1368.5	1380.0	1396.0	1401.2	1396.0	1380.0	1368.5	1352.0	1325.8	1277.3	1210.7
-15°	1331.1	1348.1	1363.7	1367.0	1363.7	1348.1	1331.1	1311.6	1282.7	1243.2	1177.8
-17.5°	1283.5	1303.9	1320.3	1324.0	1320.3	1303.9	1283.5	1261.7	1233.2	1198.0	1144.7
-20°	1231.1	1250.6	1264.6	1268.8	1264.6	1250.6	1231.1	1208.2	1181.3	1147.4	1097.2



REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1175.0	1192.5	1204.4	1202.5	1204.4	1192.5	1175.0	1152.2	1127.4	1096.5	1042.5
-25°	1115.4	1131.6	1142.9	1141.3	1142.9	1131.6	1115.4	1095.5	1070.9	1038.1	989.7
-27.5°	1052.3	1067.8	1078.6	1078.9	1078.6	1067.8	1052.3	1033.2	1008.5	975.4	934.2
-30°	986.1	1000.1	1008.9	1005.5	1008.9	1000.1	986.1	967.6	944.6	912.5	869.0
-32.5°	917.8	930.5	938.6	941.0	938.6	930.5	917.8	901.7	882.3	852.9	806.4
-35°	850.5	861.7	868.6	870.3	868.6	861.7	850.5	835.8	816.9	793.6	747.7
-37.5°	783.5	793.2	798.0	795.8	798.0	793.2	783.5	770.0	753.0	733.0	693.3
-40°	717.4	726.5	732.1	733.4	732.1	726.5	717.4	705.1	689.3	669.8	638.0
-42.5°	652.3	660.0	664.9	667.2	664.9	660.0	652.3	641.8	625.1	603.5	577.9
-45°	589.2	596.0	600.6	603.2	600.6	596.0	589.2	579.8	563.6	542.7	518.7
-47.5°	527.8	533.8	537.8	539.7	537.8	533.8	527.8	519.5	505.1	484.4	460.8
-50°	469.2	474.3	478.0	480.1	478.0	474.3	469.2	462.0	449.6	429.6	407.1
-52.5°	413.4	418.0	421.1	422.7	421.1	418.0	413.4	407.2	397.4	378.4	357.7
-55°	360.3	364.0	366.9	368.7	366.9	364.0	360.3	355.2	348.1	330.5	311.4
-57.5°	310.7	313.7	316.4	318.4	316.4	313.7	310.7	306.3	300.6	285.5	268.8
-60°	264.3	267.1	269.5	271.0	269.5	267.1	264.3	260.5	255.6	244.2	230.6
-62.5°	222.4	224.9	227.1	228.5	227.1	224.9	222.4	219.0	214.5	205.8	194.8
-65°	182.3	184.5	186.1	187.1	186.1	184.5	182.3	179.3	175.4	169.1	161.1
-67.5°	148.4	151.0	151.5	151.2	151.5	151.0	148.4	145.3	141.6	136.8	130.7
-70°	118.2	120.4	120.9	120.9	120.9	120.4	118.2	115.7	112.9	109.4	104.9
-72.5°	92.5	93.7	92.7	91.1	92.7	93.7	92.5	91.1	89.6	87.6	84.3
-75°	69.4	68.6	67.5	66.2	67.5	68.6	69.4	70.0	70.5	70.4	67.9
-77.5°	50.8	48.9	47.7	46.4	47.7	48.9	50.8	52.5	54.0	55.0	53.3
-80°	35.4	33.6	32.3	30.9	32.3	33.6	35.4	37.1	38.7	39.9	39.4
-82.5°	22.4	20.9	20.1	19.3	20.1	20.9	22.4	23.9	25.2	26.4	26.0
-85°	12.5	11.6	11.0	10.5	11.0	11.6	12.5	13.3	14.1	14.8	14.4
-87.5°	5.5	5.5	5.2	5.0	5.2	5.5	5.5	5.5	5.4	5.4	5.3
-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: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	3.1	2.9	2.8	2.7	2.5	2.4	2.2	2.1	2.0	1.8	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1
67.5°	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3
65°	0.3	0.2	0.1	0.3	0.4	0.6	0.6	0.6	0.5	0.6	0.7
62.5°	1.1	1.2	1.0	0.8	0.7	0.8	0.9	1.0	0.9	0.7	0.9
60°	3.3	2.1	3.0	3.2	2.5	2.2	3.3	3.1	1.7	1.4	1.3
57.5°	16.0	13.4	14.7	13.4	9.2	8.0	8.3	7.9	7.2	4.4	1.9
55°	55.1	47.3	37.1	32.1	30.9	23.7	17.6	14.7	13.3	9.6	6.4
52.5°	70.1	65.1	57.5	46.9	41.3	39.2	33.5	26.8	21.3	17.0	12.2
50°	87.9	89.2	81.3	66.7	60.9	54.6	49.1	41.4	34.4	27.6	20.4
47.5°	143.4	133.6	125.7	114.7	94.0	80.8	72.1	59.4	49.8	41.6	32.7
45°	191.2	179.9	172.2	155.3	133.2	112.7	99.0	83.1	66.2	55.2	47.2
42.5°	225.1	210.6	197.9	184.0	163.0	139.9	121.1	105.4	87.6	69.7	59.0
40°	258.4	235.3	222.7	210.3	190.5	164.6	149.9	126.8	108.2	88.4	73.7
37.5°	307.9	268.7	264.2	252.3	229.8	202.9	186.5	163.7	129.2	110.5	93.6
35°	391.6	351.2	327.9	316.2	287.1	252.7	225.7	204.4	170.2	133.4	113.9
32.5°	483.9	432.8	397.4	380.7	349.4	302.8	269.4	242.4	208.0	166.4	135.2
30°	535.9	489.3	446.7	418.2	387.8	347.7	309.4	271.2	234.0	199.5	158.2
27.5°	584.4	526.3	480.4	448.2	419.8	381.2	338.8	297.8	256.9	222.9	186.0
25°	630.6	566.2	516.1	478.4	445.3	414.8	366.8	322.1	279.4	241.7	212.9
22.5°	673.7	613.9	556.1	506.8	478.8	446.0	398.8	344.5	302.8	271.1	237.2
20°	744.6	677.6	604.5	561.8	535.7	485.2	431.7	378.1	339.7	303.5	263.6
17.5°	861.3	777.8	690.4	644.7	607.8	545.7	477.6	424.4	376.6	336.2	292.3
15°	989.2	881.7	795.1	736.0	677.6	604.9	526.0	468.5	414.2	368.8	318.6
12.5°	1052.4	950.1	873.5	790.2	714.8	648.9	574.3	510.9	449.3	390.0	334.9
10°	1090.1	988.4	901.8	818.6	743.1	679.7	610.4	535.3	466.8	404.1	348.5
7.5°	1119.5	1014.7	922.4	839.6	763.0	696.2	629.9	551.2	480.8	415.5	359.4
5°	1139.8	1035.1	941.6	857.9	777.2	708.0	644.3	563.2	491.3	424.2	367.7
2.5°	1160.8	1051.0	953.6	869.7	786.3	715.5	653.1	572.4	499.8	430.6	374.6
0°	1168.9	1060.2	961.9	875.8	791.4	718.5	655.6	578.4	505.5	434.3	379.1
-2.5°	1174.1	1063.1	965.2	879.9	798.1	723.3	658.5	585.2	507.3	438.4	380.4
-5°	1166.2	1059.6	962.5	876.5	798.2	723.6	656.5	586.2	506.9	439.5	379.4
-7.5°	1156.4	1050.3	952.0	867.7	792.5	718.7	650.6	581.8	505.1	437.7	377.6
-10°	1139.8	1035.4	941.8	858.6	782.4	708.0	641.9	573.4	499.5	432.7	373.2
-12.5°	1117.8	1016.6	924.2	841.8	768.7	697.1	632.3	561.9	489.9	424.3	366.3
-15°	1088.6	992.0	902.3	822.0	751.3	682.8	618.2	549.2	480.5	414.1	356.7
-17.5°	1056.7	959.5	871.2	795.6	728.5	663.6	600.1	535.8	469.7	404.4	348.2
-20°	1020.5	925.0	837.6	764.2	701.0	639.5	580.7	520.9	454.7	393.3	339.1



REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	968.4	884.1	803.9	732.0	671.5	615.2	558.6	500.8	435.2	379.4	326.9
-25°	916.9	838.5	766.4	700.3	641.9	588.4	533.4	476.0	417.8	363.0	311.9
-27.5°	866.5	793.8	722.0	662.6	610.2	557.9	506.3	452.0	398.4	344.7	297.8
-30°	812.1	744.1	679.4	623.6	574.0	525.6	479.1	428.5	375.8	324.8	282.6
-32.5°	752.3	692.7	635.6	583.1	536.7	493.9	449.8	401.8	349.7	306.2	265.1
-35°	694.3	639.3	590.0	543.7	501.6	462.4	419.7	371.6	325.9	285.1	245.2
-37.5°	642.4	588.7	543.2	503.3	468.1	430.9	388.3	345.7	302.7	261.5	226.8
-40°	588.6	538.6	498.1	465.7	432.0	398.5	361.1	321.4	279.0	238.8	208.7
-42.5°	536.6	496.2	456.3	423.8	393.6	366.3	334.7	294.6	255.6	220.7	191.7
-45°	485.6	448.9	412.5	382.9	357.8	332.1	303.9	267.4	232.4	202.4	175.1
-47.5°	433.2	402.3	371.9	344.4	322.0	297.1	269.8	238.9	210.2	183.2	159.0
-50°	382.9	357.8	333.3	309.4	286.7	262.4	238.0	213.1	187.5	164.0	142.0
-52.5°	335.5	314.8	294.0	273.2	253.3	232.0	209.5	187.4	164.9	145.2	125.6
-55°	291.0	273.2	256.8	240.0	223.3	204.1	183.8	163.8	145.9	127.8	111.8
-57.5°	251.6	236.0	222.9	209.2	195.1	178.1	160.7	143.8	128.9	114.0	99.2
-60°	216.7	203.1	191.9	180.0	167.4	153.2	139.4	126.1	113.2	101.0	88.3
-62.5°	183.8	172.8	162.7	152.6	142.4	131.6	119.9	109.1	99.1	88.8	77.3
-65°	152.7	144.1	135.6	127.4	119.0	110.4	101.0	92.5	84.3	76.0	66.0
-67.5°	124.3	117.6	110.7	103.9	97.3	90.5	83.3	76.2	69.6	62.8	54.7
-70°	100.0	95.0	89.6	83.9	78.5	73.1	67.6	61.9	55.8	50.3	44.7
-72.5°	80.7	77.1	73.1	68.5	63.6	59.0	54.5	50.0	45.4	40.7	35.9
-75°	65.3	62.6	59.5	55.7	51.8	47.7	44.0	40.1	35.9	31.3	26.8
-77.5°	51.7	50.0	48.2	45.1	42.0	38.9	35.5	31.3	27.0	22.8	19.1
-80°	38.7	38.0	36.8	34.2	31.5	28.9	26.1	22.4	18.7	15.3	12.6
-82.5°	25.6	25.0	24.3	22.5	20.8	19.1	17.3	14.8	12.3	10.0	8.0
-85°	14.0	13.5	13.0	12.2	11.3	10.5	9.7	8.3	6.9	5.7	4.6
-87.5°	5.1	5.0	4.8	4.6	4.4	4.2	4.0	3.6	3.2	2.8	2.5
-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: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
82.5°	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.4	0.3	0.2	0.1
77.5°	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.5	0.5	0.4	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.6	0.5
72.5°	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.3	0.5	0.6
70°	0.1	0.0	0.0	0.1	0.2	0.4	0.3	0.3	0.2	0.4	0.6
67.5°	0.3	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.4	0.4	0.6
65°	0.7	0.6	0.6	0.5	0.4	0.4	0.6	0.7	0.7	0.6	0.5
62.5°	1.0	1.0	0.9	0.8	0.7	0.6	0.6	0.8	0.9	0.8	0.7
60°	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.9	1.0	0.9	0.8
57.5°	1.7	1.7	1.7	1.5	1.3	1.2	1.1	1.1	1.1	1.1	1.0
55°	3.0	2.1	2.2	2.0	1.7	1.5	1.4	1.4	1.3	1.3	1.1
52.5°	7.6	4.2	2.7	2.6	2.2	1.8	1.7	1.6	1.5	1.5	1.3
50°	14.1	9.2	5.2	3.3	2.8	2.4	2.0	1.9	1.8	1.7	1.5
47.5°	22.7	15.8	10.2	5.1	3.6	3.0	2.5	2.1	2.0	1.9	1.6
45°	34.9	23.2	16.1	10.2	4.8	4.1	3.1	2.4	2.2	2.0	1.8
42.5°	48.6	34.1	22.6	15.4	9.1	5.6	3.6	2.9	2.5	2.2	1.9
40°	61.9	47.1	30.3	21.2	13.8	7.5	5.2	3.5	2.7	2.5	2.1
37.5°	76.7	60.8	42.5	27.4	18.5	11.6	7.1	4.0	3.1	2.7	2.3
35°	95.1	76.1	54.6	36.5	24.5	15.3	9.3	5.1	3.7	2.9	2.5
32.5°	113.4	91.3	67.8	47.1	30.7	18.7	12.1	7.3	4.6	3.2	2.7
30°	131.9	105.3	80.2	56.9	37.9	24.2	15.1	9.4	5.5	3.5	2.9
27.5°	148.4	118.5	91.8	67.1	46.4	29.9	18.3	11.4	6.5	3.9	3.1
25°	167.2	132.7	103.2	76.9	54.2	35.9	21.6	13.4	8.0	4.7	3.3
22.5°	191.3	147.4	113.7	85.8	61.8	41.7	25.7	16.1	9.7	5.5	3.5
20°	215.3	161.7	124.1	96.9	70.2	48.2	30.6	18.8	11.2	6.4	3.8
17.5°	238.8	180.0	139.2	108.2	79.1	54.2	35.0	21.4	12.7	7.3	4.0
15°	259.9	201.0	154.0	119.0	87.8	59.8	39.2	23.9	14.1	8.2	4.3
12.5°	277.6	219.1	167.9	129.0	96.2	65.0	43.0	26.3	15.4	9.2	4.6
10°	292.2	234.4	180.9	138.3	104.1	69.6	46.4	28.7	16.9	10.2	5.0
7.5°	303.9	247.0	192.6	146.7	111.3	73.9	50.1	31.3	18.4	11.2	5.4
5°	312.7	256.9	201.7	152.7	117.1	77.9	53.5	33.6	19.7	12.2	5.8
2.5°	318.4	264.1	208.5	157.5	121.7	81.2	56.5	35.7	21.0	13.0	6.2
0°	321.7	269.3	213.6	161.1	125.3	83.9	59.1	37.5	22.1	13.8	6.6
-2.5°	324.7	272.7	218.1	167.5	127.7	88.3	60.7	39.2	23.8	14.3	7.3
-5°	325.8	274.2	221.0	172.4	129.2	91.9	61.8	40.5	25.4	14.8	7.9
-7.5°	324.1	273.3	222.0	175.2	129.9	94.4	62.5	41.6	26.6	15.1	8.4
-10°	320.4	270.4	220.6	174.3	130.8	95.2	62.8	42.4	27.5	15.4	8.9
-12.5°	314.8	265.9	217.7	172.5	130.7	94.7	63.9	43.0	28.0	15.5	9.2
-15°	307.6	260.0	213.3	169.7	129.1	93.6	64.2	43.2	27.9	15.9	9.4
-17.5°	299.0	253.0	207.3	166.3	126.0	91.9	63.6	42.9	27.6	16.3	9.6
-20°	290.5	245.1	200.3	162.1	121.4	89.6	62.1	42.1	27.1	16.7	9.8

Classified

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

Scaled Data Report



REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	280.4	236.0	194.2	156.4	116.4	86.9	59.7	40.8	26.4	16.8	9.9
-25°	268.9	225.5	186.9	148.5	112.5	83.9	57.2	38.9	25.5	16.7	9.9
-27.5°	255.9	214.2	178.3	139.9	108.4	79.7	54.8	37.5	24.7	16.5	9.7
-30°	241.4	203.6	167.9	131.6	103.4	75.1	51.7	35.9	24.3	16.2	9.5
-32.5°	225.8	191.6	156.9	125.2	97.7	70.3	49.0	34.1	23.7	15.8	9.5
-35°	211.1	178.6	145.5	117.9	91.7	67.5	47.2	32.2	22.9	15.3	9.5
-37.5°	195.4	165.0	136.6	110.3	85.3	64.3	45.7	31.3	21.8	14.6	9.5
-40°	180.2	152.0	126.3	103.0	80.7	60.7	43.3	30.3	20.7	13.7	9.4
-42.5°	164.9	139.9	116.3	95.1	76.2	57.1	40.3	28.8	19.8	13.2	9.1
-45°	150.9	127.3	105.8	88.2	71.3	52.6	38.1	26.9	18.8	12.8	8.9
-47.5°	136.1	114.5	96.1	80.7	64.8	47.7	35.1	25.4	17.5	12.4	8.8
-50°	120.8	102.4	87.1	72.4	56.9	43.6	32.0	23.6	17.0	12.0	8.6
-52.5°	107.4	91.8	77.9	63.8	51.0	38.8	29.6	21.7	16.4	11.7	8.3
-55°	95.9	81.7	68.8	56.8	45.3	35.3	26.9	20.8	15.7	11.3	8.0
-57.5°	85.7	72.3	61.3	50.6	40.6	31.9	25.0	19.7	14.9	10.8	7.6
-60°	75.8	64.7	54.5	44.9	36.1	28.9	23.6	18.5	14.0	10.2	7.3
-62.5°	66.6	56.9	48.0	39.3	32.2	26.5	21.9	17.1	12.9	9.3	6.8
-65°	57.0	48.7	41.2	34.4	28.6	23.8	19.8	15.5	11.5	8.3	6.1
-67.5°	47.1	41.0	35.2	29.5	24.7	20.7	17.3	13.3	9.7	7.1	5.4
-70°	39.2	33.9	28.9	24.5	20.6	17.3	14.1	10.7	7.8	6.1	4.6
-72.5°	31.2	26.9	22.8	19.3	16.5	13.6	10.8	8.2	6.5	5.0	3.7
-75°	23.1	20.2	17.5	15.0	12.5	10.0	8.2	6.5	5.1	3.9	3.1
-77.5°	16.8	14.6	12.6	11.1	9.4	7.7	6.2	4.8	3.9	3.2	2.7
-80°	11.4	10.3	9.2	8.1	6.7	5.4	4.5	3.7	3.1	2.6	2.2
-82.5°	7.2	6.6	6.0	5.5	4.7	4.0	3.3	2.8	2.4	2.0	1.8
-85°	4.3	4.0	3.7	3.3	2.9	2.5	2.3	2.1	1.9	1.8	1.6
-87.5°	2.4	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	1.1	1.0	0.9	0.7	0.6	0.6	0.6
87.5°	0.4	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.3	0.4	0.5	0.6	0.6	0.6	0.6
82.5°	0.1	0.3	0.4	0.5	0.6	0.6	0.6
80°	0.0	0.2	0.4	0.5	0.6	0.6	0.6
77.5°	0.2	0.2	0.4	0.5	0.6	0.6	0.6
75°	0.3	0.3	0.3	0.5	0.6	0.6	0.6
72.5°	0.5	0.4	0.4	0.5	0.6	0.6	0.6
70°	0.6	0.5	0.4	0.5	0.6	0.6	0.6
67.5°	0.6	0.6	0.5	0.5	0.6	0.6	0.6
65°	0.6	0.6	0.5	0.5	0.6	0.6	0.6
62.5°	0.7	0.7	0.6	0.5	0.6	0.6	0.6
60°	0.7	0.7	0.6	0.6	0.6	0.6	0.6
57.5°	0.8	0.7	0.6	0.6	0.6	0.6	0.6
55°	0.9	0.8	0.7	0.6	0.6	0.6	0.6
52.5°	1.1	0.9	0.8	0.6	0.6	0.6	0.6
50°	1.2	1.0	0.8	0.6	0.6	0.6	0.6
47.5°	1.3	1.1	0.9	0.6	0.6	0.6	0.6
45°	1.5	1.2	0.9	0.7	0.7	0.6	0.6
42.5°	1.6	1.3	1.0	0.7	0.7	0.6	0.6
40°	1.7	1.4	1.1	0.8	0.7	0.6	0.6
37.5°	1.8	1.5	1.1	0.8	0.7	0.6	0.6
35°	2.0	1.6	1.2	0.9	0.7	0.6	0.6
32.5°	2.1	1.7	1.3	1.0	0.8	0.6	0.6
30°	2.2	1.8	1.4	1.0	0.8	0.6	0.6
27.5°	2.4	1.9	1.5	1.1	0.8	0.6	0.6
25°	2.6	1.9	1.6	1.2	0.8	0.6	0.6
22.5°	2.7	2.0	1.6	1.2	0.9	0.6	0.6
20°	2.9	2.1	1.7	1.3	0.9	0.6	0.6
17.5°	3.0	2.2	1.8	1.4	0.9	0.6	0.6
15°	3.2	2.3	1.9	1.4	0.9	0.6	0.6
12.5°	3.3	2.4	1.9	1.5	1.0	0.6	0.6
10°	3.5	2.5	2.0	1.5	1.0	0.6	0.6
7.5°	3.6	2.6	2.0	1.6	1.0	0.6	0.6
5°	3.7	2.7	2.1	1.6	1.1	0.6	0.6
2.5°	3.8	2.7	2.2	1.7	1.1	0.6	0.6
0°	3.9	2.8	2.2	1.7	1.1	0.6	0.6
-2.5°	4.1	2.9	2.3	1.7	1.1	0.6	0.6
-5°	4.3	2.9	2.3	1.7	1.1	0.6	0.6
-7.5°	4.5	2.9	2.3	1.7	1.1	0.6	0.6
-10°	4.6	3.0	2.4	1.7	1.1	0.6	0.6
-12.5°	4.7	3.0	2.4	1.7	1.1	0.6	0.6
-15°	4.8	3.0	2.4	1.6	1.1	0.6	0.6
-17.5°	4.8	3.1	2.4	1.6	1.1	0.6	0.6
-20°	4.9	3.1	2.4	1.6	1.0	0.6	0.6

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REPORT NUMBER: P626550 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1A-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	5.2	3.1	2.4	1.6	1.0	0.6	0.6
-25°	5.5	3.3	2.3	1.5	1.0	0.6	0.6
-27.5°	5.7	3.6	2.3	1.5	1.0	0.6	0.6
-30°	5.8	3.8	2.2	1.5	1.0	0.6	0.6
-32.5°	5.9	4.0	2.3	1.4	0.9	0.6	0.6
-35°	6.0	4.1	2.4	1.4	0.9	0.6	0.6
-37.5°	6.2	4.2	2.4	1.3	0.9	0.6	0.6
-40°	6.3	4.2	2.4	1.3	0.9	0.6	0.6
-42.5°	6.4	4.2	2.4	1.2	0.8	0.6	0.6
-45°	6.3	4.2	2.4	1.2	0.8	0.6	0.6
-47.5°	6.2	4.2	2.4	1.2	0.8	0.6	0.6
-50°	6.1	4.1	2.4	1.2	0.7	0.6	0.6
-52.5°	6.0	3.9	2.3	1.2	0.7	0.6	0.6
-55°	5.7	3.8	2.2	1.2	0.7	0.6	0.6
-57.5°	5.5	3.6	2.1	1.1	0.6	0.6	0.6
-60°	5.2	3.3	1.9	1.1	0.6	0.6	0.6
-62.5°	4.8	3.0	1.8	1.0	0.6	0.6	0.6
-65°	4.3	2.7	1.7	1.0	0.6	0.6	0.6
-67.5°	3.8	2.4	1.6	0.9	0.6	0.6	0.6
-70°	3.2	2.2	1.4	0.8	0.6	0.6	0.6
-72.5°	2.8	2.0	1.3	0.8	0.6	0.6	0.6
-75°	2.5	1.7	1.1	0.8	0.6	0.6	0.6
-77.5°	2.1	1.5	1.1	0.8	0.6	0.6	0.6
-80°	1.7	1.3	1.0	0.8	0.6	0.6	0.6
-82.5°	1.6	1.3	1.0	0.8	0.6	0.6	0.6
-85°	1.4	1.2	1.0	0.8	0.6	0.6	0.6
-87.5°	1.3	1.1	0.9	0.7	0.6	0.6	0.6
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)