

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: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-722-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1E-722-U-MWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N9
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

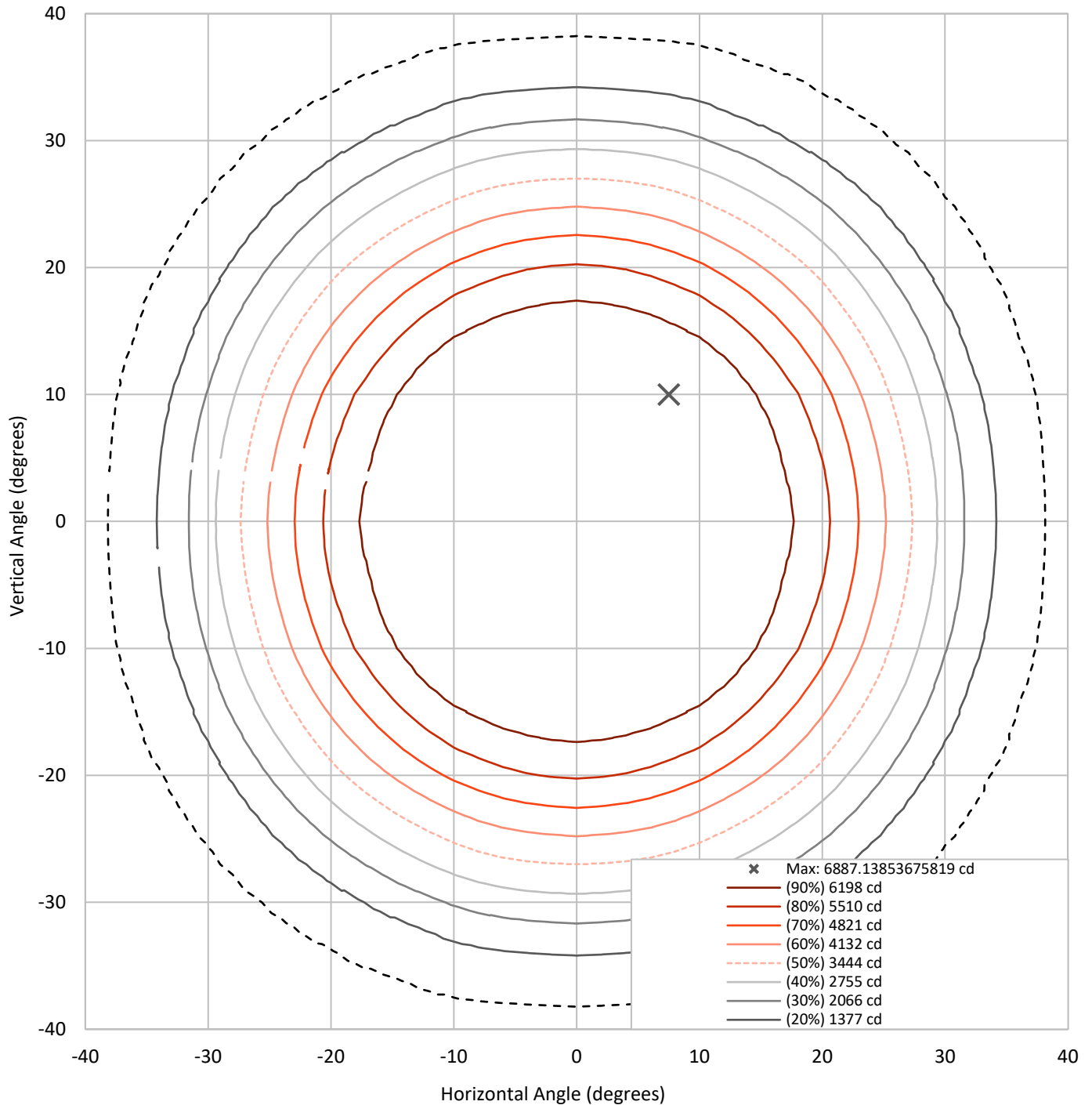
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	5861.6 lumens	Max Intensity:	6887.1 candela
Efficiency:	N/A	Max Intensity Angle:	7.5°H x 10°V
Efficacy:	88.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	3890.6 lumens	Field Lumens:	5058.9 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	66.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





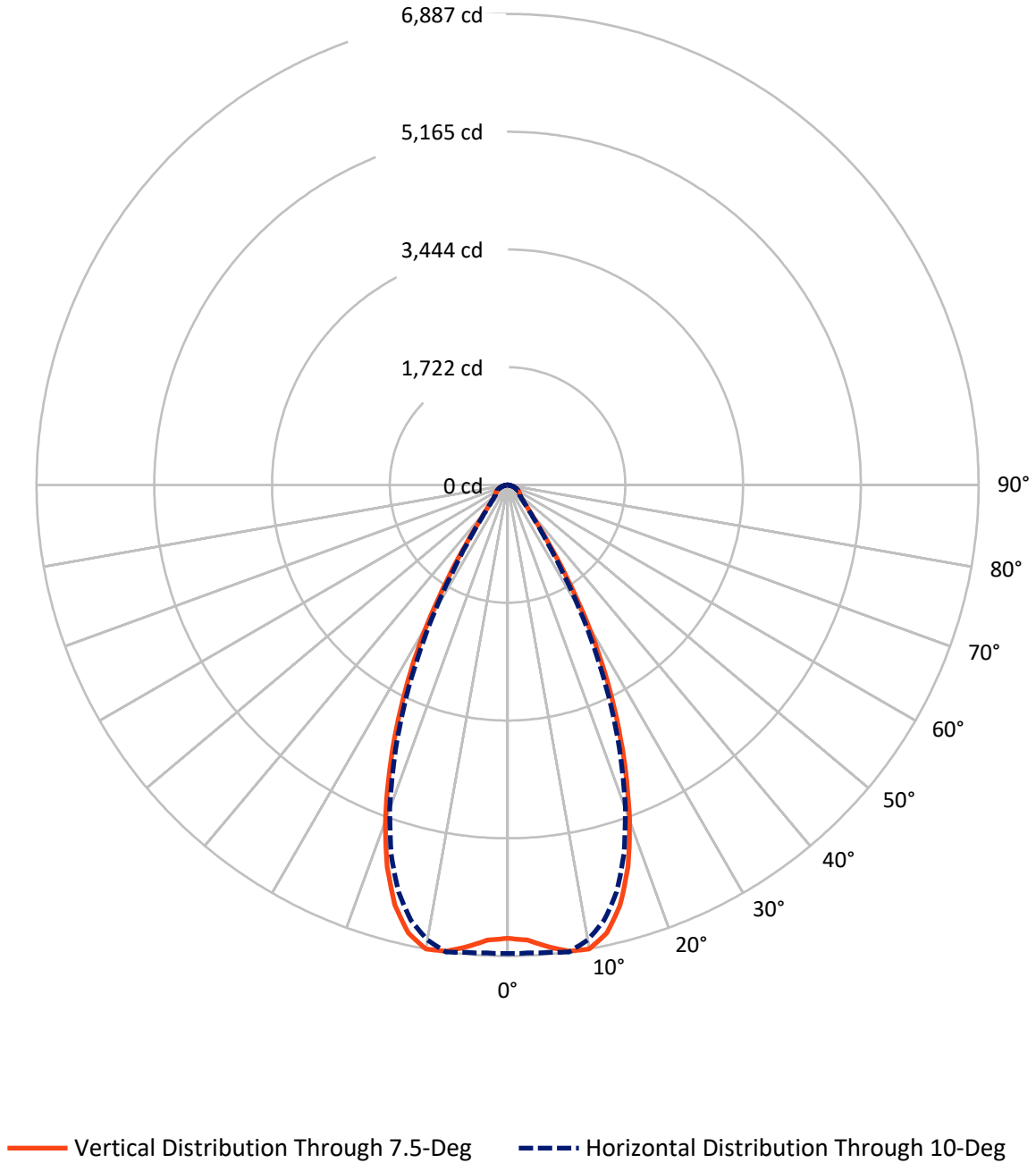
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Lumen Table

90																			
80	0.2	1.4		3.7		5.8		6.5		5.8		3.7		1.4		0.2			
70																			
60	0.6	0.7	1.4	2.3	3.3	4.0	4.5	4.8	4.8	4.5	4.0	3.3	2.3	1.4	0.7	0.6			
50		1.1	2.1	3.4	4.5	5.5	6.1	6.4	6.4	6.1	5.5	4.5	3.4	2.1	1.1				
40	1.1	1.4	2.7	4.1	5.5	7.2	9.0	10.3	10.3	9.0	7.2	5.5	4.1	2.7	1.4	1.1			
30		1.6	3.1	4.7	7.3	13.3	25.5	37.8	37.8	25.5	13.3	7.3	4.7	3.1	1.6				
20	1.4	1.8	3.4	5.5	12.0	37.6	84.4	117.9	117.9	84.4	37.6	12.0	5.5	3.4	1.8	1.4			
10		1.9	3.6	6.5	21.7	80.2	153.2	191.7	191.7	153.2	80.2	21.7	6.5	3.6	1.9				
0	1.5	2.0	3.7	7.4	31.2	109.8	185.8	202.2	202.2	185.8	109.8	31.2	7.4	3.7	2.0	1.5			
-10		2.0	3.7	7.4	31.2	109.8	185.8	202.2	202.2	185.8	109.8	31.2	7.4	3.7	2.0				
-20	1.4	1.9	3.6	6.5	21.7	80.2	153.2	191.7	191.7	153.2	80.2	21.7	6.5	3.6	1.9	1.4			
-30		1.8	3.4	5.5	12.0	37.6	84.4	117.9	117.9	84.4	37.6	12.0	5.5	3.4	1.8				
-40	1.1	1.6	3.1	4.7	7.3	13.3	25.5	37.8	37.8	25.5	13.3	7.3	4.7	3.1	1.6	1.1			
-50		1.4	2.7	4.1	5.5	7.2	9.0	10.3	10.3	9.0	7.2	5.5	4.1	2.7	1.4				
-60	0.6	1.1	2.1	3.4	4.5	5.5	6.1	6.4	6.4	6.1	5.5	4.5	3.4	2.1	1.1	0.6			
-70		0.7	1.4	2.3	3.3	4.0	4.5	4.8	4.8	4.5	4.0	3.3	2.3	1.4	0.7				
-80																			
-90	0.2	1.4		3.7		5.8		6.5		5.8		3.7		1.4		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

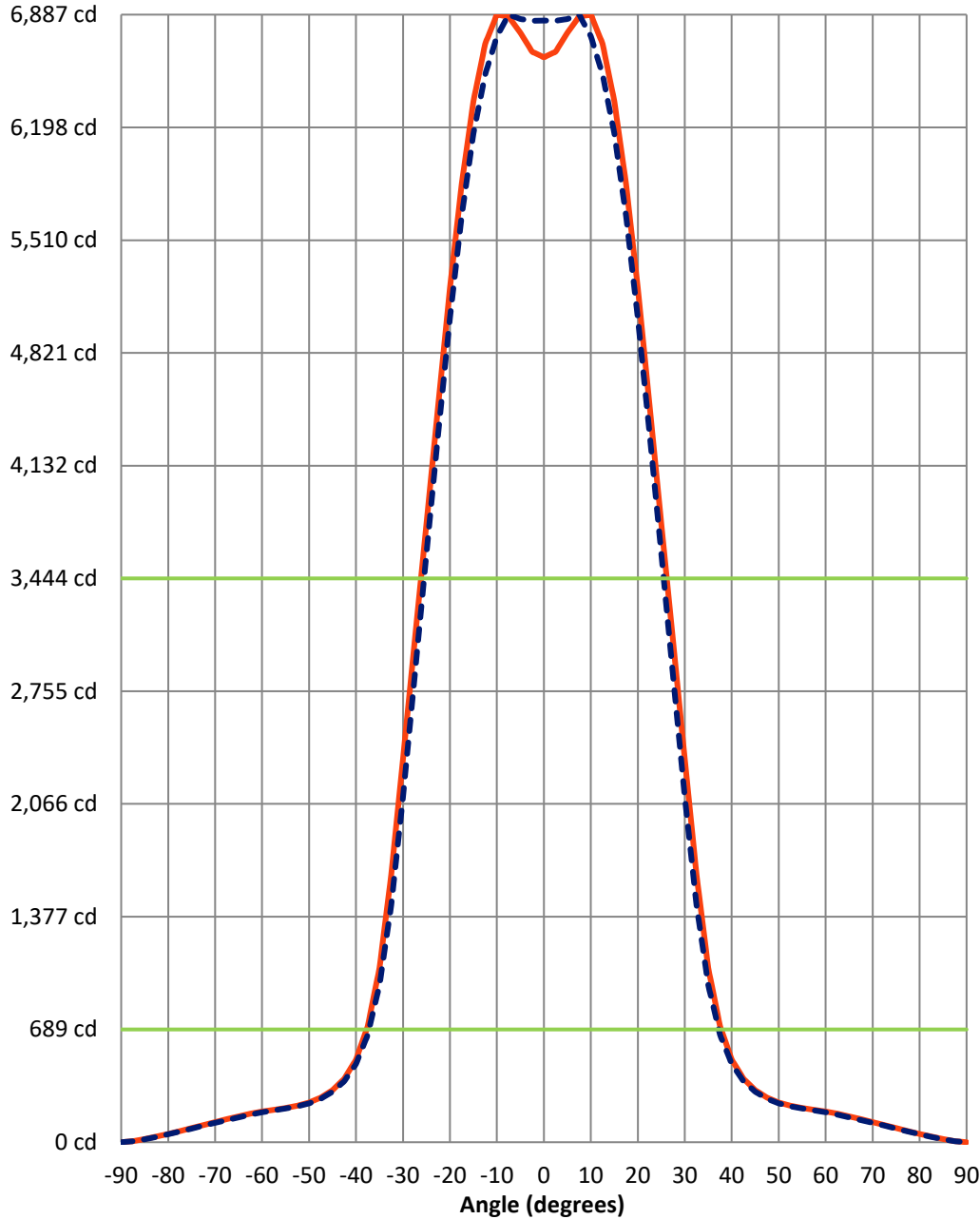
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 3890.6
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 5058.9
 Efficiency: 86.3%

Spill:
 Lumens: 802.7
 Efficiency: 13.7%

— Vertical Distribution through 7.5-Deg
 - - Horizontal Distribution through 10-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	0.3	0.5	0.8	1.0	1.3	1.6	1.9	2.3	2.6	3.0
85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.8	4.5	5.3	6.1
82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.7	6.9	8.7	10.4
80°	0.0	1.0	2.1	3.1	4.1	5.2	6.4	8.8	11.2	13.4	15.5
77.5°	0.0	1.3	2.6	3.9	5.2	7.0	9.8	12.7	15.5	18.1	20.9
75°	0.0	1.6	3.1	4.6	6.4	9.8	13.1	16.5	19.8	23.6	27.3
72.5°	0.0	1.8	3.6	5.4	8.6	12.6	16.4	20.5	25.0	29.4	33.8
70°	0.0	2.1	4.1	6.3	10.8	15.3	19.8	25.0	30.1	35.1	40.4
67.5°	0.0	2.3	4.6	7.9	13.0	18.0	23.6	29.4	35.1	41.0	47.0
65°	0.0	2.5	5.1	9.5	15.1	20.8	27.2	33.8	40.2	46.8	53.7
62.5°	0.0	2.8	5.5	11.1	17.2	23.8	30.8	38.0	45.1	52.6	61.0
60°	0.0	3.0	6.0	12.6	19.2	26.7	34.3	42.2	49.9	58.9	68.1
57.5°	0.0	3.2	7.0	14.1	21.4	29.5	37.8	46.2	55.2	65.0	74.8
55°	0.0	3.4	7.9	15.5	23.5	32.2	41.3	50.2	60.4	70.9	81.2
52.5°	0.0	3.7	8.8	16.9	25.6	34.8	44.6	54.5	65.4	76.5	87.4
50°	0.0	3.9	9.7	18.3	27.6	37.5	47.9	58.8	70.3	81.9	93.4
47.5°	0.0	4.1	10.5	19.6	29.5	40.2	51.1	62.9	74.9	87.2	99.3
45°	0.0	4.2	11.4	21.0	31.4	42.8	54.4	66.8	79.4	92.2	104.9
42.5°	0.0	4.4	12.1	22.3	33.1	45.2	57.6	70.5	83.7	97.0	110.1
40°	0.0	4.6	12.8	23.5	34.9	47.6	60.6	74.1	87.7	101.6	115.2
37.5°	0.0	4.8	13.5	24.6	36.7	49.9	63.5	77.4	91.7	106.0	120.1
35°	0.0	4.9	14.2	25.7	38.4	52.1	66.1	80.5	95.4	110.2	124.6
32.5°	0.0	5.1	14.7	26.7	40.0	54.1	68.6	83.4	99.0	114.0	128.6
30°	0.0	5.2	15.3	27.6	41.5	56.1	70.9	86.1	102.3	117.6	132.4
27.5°	0.0	5.3	15.8	28.4	42.8	57.9	73.0	88.7	105.4	120.8	135.8
25°	0.0	5.4	16.2	29.2	44.0	59.5	75.0	91.2	108.0	123.7	139.0
22.5°	0.0	5.5	16.6	29.9	45.1	60.9	76.7	93.5	110.4	126.2	141.9
20°	0.0	5.6	17.0	30.5	46.1	62.2	78.2	95.5	112.5	128.5	144.5
17.5°	0.0	5.7	17.3	31.0	47.0	63.2	79.6	97.3	114.3	130.5	146.7
15°	0.0	5.8	17.6	31.5	47.7	64.2	80.8	99.0	115.8	132.2	148.6
12.5°	0.0	5.9	17.8	31.9	48.3	64.9	81.9	100.4	117.2	133.6	150.2
10°	0.0	5.9	17.9	32.2	48.8	65.5	82.8	101.6	118.4	135.0	151.6
7.5°	0.0	5.9	18.0	32.4	49.1	66.0	83.5	102.5	119.3	136.0	152.8
5°	0.0	6.0	18.1	32.5	49.4	66.2	84.0	103.2	120.0	136.8	153.6
2.5°	0.0	6.0	18.1	32.5	49.4	66.4	84.3	103.6	120.4	137.2	154.1
0°	0.0	6.0	18.1	32.5	49.4	66.3	84.4	103.7	120.5	137.4	154.3
-2.5°	0.0	6.0	18.1	32.5	49.4	66.4	84.3	103.6	120.4	137.2	154.1
-5°	0.0	6.0	18.1	32.5	49.4	66.2	84.0	103.2	120.0	136.8	153.6
-7.5°	0.0	5.9	18.0	32.4	49.1	66.0	83.5	102.5	119.3	136.0	152.8
-10°	0.0	5.9	17.9	32.2	48.8	65.5	82.8	101.6	118.4	135.0	151.6
-12.5°	0.0	5.9	17.8	31.9	48.3	64.9	81.9	100.4	117.2	133.6	150.2
-15°	0.0	5.8	17.6	31.5	47.7	64.2	80.8	99.0	115.8	132.2	148.6
-17.5°	0.0	5.7	17.3	31.0	47.0	63.2	79.6	97.3	114.3	130.5	146.7
-20°	0.0	5.6	17.0	30.5	46.1	62.2	78.2	95.5	112.5	128.5	144.5

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REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.5	16.6	29.9	45.1	60.9	76.7	93.5	110.4	126.2	141.9
-25°	0.0	5.4	16.2	29.2	44.0	59.5	75.0	91.2	108.0	123.7	139.0
-27.5°	0.0	5.3	15.8	28.4	42.8	57.9	73.0	88.7	105.4	120.8	135.8
-30°	0.0	5.2	15.3	27.6	41.5	56.1	70.9	86.1	102.3	117.6	132.4
-32.5°	0.0	5.1	14.7	26.7	40.0	54.1	68.6	83.4	99.0	114.0	128.6
-35°	0.0	4.9	14.2	25.7	38.4	52.1	66.1	80.5	95.4	110.2	124.6
-37.5°	0.0	4.8	13.5	24.6	36.7	49.9	63.5	77.4	91.7	106.0	120.1
-40°	0.0	4.6	12.8	23.5	34.9	47.6	60.6	74.1	87.7	101.6	115.2
-42.5°	0.0	4.4	12.1	22.3	33.1	45.2	57.6	70.5	83.7	97.0	110.1
-45°	0.0	4.2	11.4	21.0	31.4	42.8	54.4	66.8	79.4	92.2	104.9
-47.5°	0.0	4.1	10.5	19.6	29.5	40.2	51.1	62.9	74.9	87.2	99.3
-50°	0.0	3.9	9.7	18.3	27.6	37.5	47.9	58.8	70.3	81.9	93.4
-52.5°	0.0	3.7	8.8	16.9	25.6	34.8	44.6	54.5	65.4	76.5	87.4
-55°	0.0	3.4	7.9	15.5	23.5	32.2	41.3	50.2	60.4	70.9	81.2
-57.5°	0.0	3.2	7.0	14.1	21.4	29.5	37.8	46.2	55.2	65.0	74.8
-60°	0.0	3.0	6.0	12.6	19.2	26.7	34.3	42.2	49.9	58.9	68.1
-62.5°	0.0	2.8	5.5	11.1	17.2	23.8	30.8	38.0	45.1	52.6	61.0
-65°	0.0	2.5	5.1	9.5	15.1	20.8	27.2	33.8	40.2	46.8	53.7
-67.5°	0.0	2.3	4.6	7.9	13.0	18.0	23.6	29.4	35.1	41.0	47.0
-70°	0.0	2.1	4.1	6.3	10.8	15.3	19.8	25.0	30.1	35.1	40.4
-72.5°	0.0	1.8	3.6	5.4	8.6	12.6	16.4	20.5	25.0	29.4	33.8
-75°	0.0	1.6	3.1	4.6	6.4	9.8	13.1	16.5	19.8	23.6	27.3
-77.5°	0.0	1.3	2.6	3.9	5.2	7.0	9.8	12.7	15.5	18.1	20.9
-80°	0.0	1.0	2.1	3.1	4.1	5.2	6.4	8.8	11.2	13.4	15.5
-82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.7	6.9	8.7	10.4
-85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.8	4.5	5.3	6.1
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.9	2.3	2.6	3.0
-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):

	-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°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7
85°	6.6	7.2	8.2	9.1	10.1	11.0	11.9	12.7	13.5	14.3	15.0
82.5°	11.9	13.5	15.1	16.7	18.1	19.5	20.8	22.2	23.6	25.0	26.3
80°	17.6	19.8	22.3	24.6	26.7	28.7	30.6	32.4	34.4	36.5	38.7
77.5°	24.1	27.2	30.1	32.9	35.5	38.3	41.1	43.8	46.5	49.3	51.9
75°	31.1	34.6	38.3	42.0	45.5	49.0	52.3	55.7	59.2	62.7	66.0
72.5°	38.2	42.7	47.1	51.3	55.8	60.1	64.3	68.3	72.4	76.7	80.7
70°	45.7	50.8	56.2	61.4	66.4	71.4	76.5	81.4	86.2	91.1	96.0
67.5°	53.2	59.6	65.7	71.5	77.4	83.3	89.1	94.9	100.6	106.3	111.8
65°	61.5	68.5	75.2	81.8	88.5	95.5	102.2	108.8	115.4	121.7	127.5
62.5°	69.6	77.1	84.5	92.0	100.0	107.8	115.2	122.7	130.3	137.0	142.8
60°	77.1	85.4	93.6	102.3	111.0	119.4	127.8	135.9	144.1	151.8	156.5
57.5°	84.3	93.5	102.6	111.9	121.2	130.5	139.2	148.2	155.9	162.3	167.8
55°	91.3	101.3	111.1	120.8	130.8	140.5	150.0	158.5	166.0	171.4	176.7
52.5°	98.2	108.7	118.7	129.2	139.8	150.2	160.2	168.1	174.2	179.7	184.7
50°	104.8	115.5	126.1	137.5	148.7	159.7	169.0	176.0	182.2	187.5	192.7
47.5°	111.0	122.1	133.5	145.5	157.3	167.9	176.5	183.7	190.1	195.9	202.0
45°	117.0	128.8	140.8	153.2	165.2	175.5	183.8	191.5	197.5	204.1	211.1
42.5°	122.8	135.2	147.8	160.6	172.8	182.4	190.6	197.7	204.8	212.5	221.0
40°	128.3	141.2	154.4	167.7	179.8	188.3	196.4	204.0	212.5	221.7	231.5
37.5°	133.5	146.9	160.6	174.4	185.0	193.8	202.1	210.5	220.4	231.1	244.4
35°	138.3	152.2	166.3	179.6	189.7	199.0	207.5	216.9	228.5	242.4	259.6
32.5°	142.8	157.1	171.6	183.8	194.0	203.7	212.4	224.2	238.1	254.7	278.9
30°	146.9	161.6	176.2	187.9	197.9	207.6	218.3	231.5	247.7	272.0	303.0
27.5°	150.8	165.7	179.7	191.3	201.4	211.3	223.9	239.9	261.3	290.2	328.7
25°	154.3	169.5	183.1	194.2	204.6	215.6	229.3	247.3	275.4	312.7	364.8
22.5°	157.5	173.1	186.3	196.7	207.6	219.6	235.5	258.0	290.4	334.0	401.1
20°	160.4	175.7	188.8	199.1	210.3	222.8	241.0	268.2	307.3	363.7	449.4
17.5°	162.9	178.0	190.6	201.3	213.0	226.5	246.4	277.0	322.2	389.6	498.2
15°	165.0	180.0	192.2	203.3	215.4	230.8	253.9	288.5	339.6	416.6	540.7
12.5°	166.8	181.6	193.4	204.8	217.4	234.3	260.3	299.4	357.7	449.7	603.3
10°	168.2	182.9	194.4	206.0	218.9	237.1	265.5	308.3	372.6	478.3	656.8
7.5°	169.5	183.8	195.1	206.9	220.0	239.2	269.4	315.1	384.1	500.8	699.1
5°	170.4	184.4	195.5	207.4	220.9	240.6	272.1	319.9	392.0	516.9	728.9
2.5°	171.0	184.6	195.5	207.5	221.6	241.2	273.5	322.5	398.3	524.5	744.9
0°	171.2	184.4	195.3	207.3	221.8	241.1	273.6	323.0	401.4	524.3	747.3
-2.5°	171.0	184.6	195.5	207.5	221.6	241.2	273.5	322.5	398.3	524.5	744.9
-5°	170.4	184.4	195.5	207.4	220.9	240.6	272.1	319.9	392.0	516.9	728.9
-7.5°	169.5	183.8	195.1	206.9	220.0	239.2	269.4	315.1	384.1	500.8	699.1
-10°	168.2	182.9	194.4	206.0	218.9	237.1	265.5	308.3	372.6	478.3	656.8
-12.5°	166.8	181.6	193.4	204.8	217.4	234.3	260.3	299.4	357.7	449.7	603.3
-15°	165.0	180.0	192.2	203.3	215.4	230.8	253.9	288.5	339.6	416.6	540.7
-17.5°	162.9	178.0	190.6	201.3	213.0	226.5	246.4	277.0	322.2	389.6	498.2
-20°	160.4	175.7	188.8	199.1	210.3	222.8	241.0	268.2	307.3	363.7	449.4



REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	157.5	173.1	186.3	196.7	207.6	219.6	235.5	258.0	290.4	334.0	401.1
-25°	154.3	169.5	183.1	194.2	204.6	215.6	229.3	247.3	275.4	312.7	364.8
-27.5°	150.8	165.7	179.7	191.3	201.4	211.3	223.9	239.9	261.3	290.2	328.7
-30°	146.9	161.6	176.2	187.9	197.9	207.6	218.3	231.5	247.7	272.0	303.0
-32.5°	142.8	157.1	171.6	183.8	194.0	203.7	212.4	224.2	238.1	254.7	278.9
-35°	138.3	152.2	166.3	179.6	189.7	199.0	207.5	216.9	228.5	242.4	259.6
-37.5°	133.5	146.9	160.6	174.4	185.0	193.8	202.1	210.5	220.4	231.1	244.4
-40°	128.3	141.2	154.4	167.7	179.8	188.3	196.4	204.0	212.5	221.7	231.5
-42.5°	122.8	135.2	147.8	160.6	172.8	182.4	190.6	197.7	204.8	212.5	221.0
-45°	117.0	128.8	140.8	153.2	165.2	175.5	183.8	191.5	197.5	204.1	211.1
-47.5°	111.0	122.1	133.5	145.5	157.3	167.9	176.5	183.7	190.1	195.9	202.0
-50°	104.8	115.5	126.1	137.5	148.7	159.7	169.0	176.0	182.2	187.5	192.7
-52.5°	98.2	108.7	118.7	129.2	139.8	150.2	160.2	168.1	174.2	179.7	184.7
-55°	91.3	101.3	111.1	120.8	130.8	140.5	150.0	158.5	166.0	171.4	176.7
-57.5°	84.3	93.5	102.6	111.9	121.2	130.5	139.2	148.2	155.9	162.3	167.8
-60°	77.1	85.4	93.6	102.3	111.0	119.4	127.8	135.9	144.1	151.8	156.5
-62.5°	69.6	77.1	84.5	92.0	100.0	107.8	115.2	122.7	130.3	137.0	142.8
-65°	61.5	68.5	75.2	81.8	88.5	95.5	102.2	108.8	115.4	121.7	127.5
-67.5°	53.2	59.6	65.7	71.5	77.4	83.3	89.1	94.9	100.6	106.3	111.8
-70°	45.7	50.8	56.2	61.4	66.4	71.4	76.5	81.4	86.2	91.1	96.0
-72.5°	38.2	42.7	47.1	51.3	55.8	60.1	64.3	68.3	72.4	76.7	80.7
-75°	31.1	34.6	38.3	42.0	45.5	49.0	52.3	55.7	59.2	62.7	66.0
-77.5°	24.1	27.2	30.1	32.9	35.5	38.3	41.1	43.8	46.5	49.3	51.9
-80°	17.6	19.8	22.3	24.6	26.7	28.7	30.6	32.4	34.4	36.5	38.7
-82.5°	11.9	13.5	15.1	16.7	18.1	19.5	20.8	22.2	23.6	25.0	26.3
-85°	6.6	7.2	8.2	9.1	10.1	11.0	11.9	12.7	13.5	14.3	15.0
-87.5°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7
-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: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-MWR-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°	5.9	5.8	5.7	5.6	5.4	5.8	6.2	6.6	7.0	6.7	6.5
85°	15.7	16.0	16.3	16.6	16.8	17.6	18.3	19.0	19.6	19.6	19.5
82.5°	27.6	28.5	29.3	30.0	30.6	31.5	32.3	32.9	33.5	33.9	34.3
80°	40.7	42.1	43.4	44.5	45.5	46.6	47.7	48.7	49.5	49.9	50.2
77.5°	54.5	56.6	58.5	60.3	62.0	63.6	65.2	66.6	67.8	68.0	68.0
75°	69.1	71.9	74.6	77.1	79.3	81.3	82.9	84.3	85.5	86.0	86.3
72.5°	84.5	88.0	91.1	94.0	96.4	98.4	100.1	101.7	102.9	103.7	104.2
70°	100.6	104.7	107.9	110.6	112.7	114.7	116.9	119.1	121.1	122.2	122.6
67.5°	116.7	121.0	124.0	126.4	128.3	130.2	133.0	135.6	137.8	139.4	140.3
65°	132.5	137.0	140.0	142.3	144.0	145.9	149.1	151.6	153.6	155.1	156.5
62.5°	148.1	152.6	155.9	158.6	161.2	163.3	165.9	168.1	169.7	171.2	172.9
60°	161.6	166.9	170.4	173.2	176.3	179.7	181.6	183.2	184.6	185.8	186.8
57.5°	172.6	177.4	181.8	185.2	188.4	191.6	193.8	195.3	196.5	197.5	197.8
55°	181.9	186.8	191.7	195.3	198.6	201.5	204.0	205.9	207.5	208.8	209.1
52.5°	190.1	195.7	200.5	204.7	209.0	212.4	215.1	217.8	220.1	221.9	222.8
50°	199.1	205.0	211.0	216.6	221.1	225.1	228.4	232.1	236.0	239.3	241.4
47.5°	208.6	215.3	222.6	229.5	234.8	240.7	246.2	251.8	259.1	265.2	269.8
45°	218.4	227.1	235.4	244.2	251.6	262.7	272.9	281.7	293.5	304.2	312.6
42.5°	230.1	240.9	251.1	265.2	279.9	295.0	311.4	325.3	343.7	362.4	377.4
40°	244.0	257.7	275.8	294.7	317.9	338.7	366.9	392.0	420.2	455.7	485.1
37.5°	260.7	281.8	306.9	333.2	369.4	404.0	450.6	499.8	544.4	612.8	670.4
35°	282.4	311.9	344.9	391.5	442.7	507.5	580.3	675.2	756.6	872.0	982.4
32.5°	310.3	348.2	402.2	474.0	549.8	667.5	782.9	947.7	1100.3	1283.3	1480.8
30°	341.3	399.1	481.5	580.1	721.4	894.6	1098.1	1351.2	1628.2	1885.4	2138.8
27.5°	386.3	469.1	577.4	736.4	956.7	1199.0	1555.5	1899.1	2257.5	2576.1	2841.9
25°	438.8	548.3	715.7	949.9	1247.8	1662.7	2089.4	2513.5	2899.0	3232.5	3526.2
22.5°	506.7	664.1	887.3	1190.6	1654.4	2151.7	2652.1	3119.9	3531.1	3902.6	4220.5
20°	580.5	777.4	1096.2	1548.4	2078.9	2645.5	3210.5	3708.8	4161.6	4582.8	4941.0
17.5°	674.0	949.7	1353.4	1896.0	2509.3	3130.1	3723.7	4264.4	4778.1	5223.8	5598.1
15°	753.7	1101.6	1628.4	2264.8	2928.2	3583.0	4209.6	4796.9	5331.0	5788.3	6140.2
12.5°	860.0	1271.7	1872.6	2581.8	3300.7	3989.7	4649.7	5256.7	5800.3	6252.5	6526.5
10°	960.6	1447.9	2108.5	2848.1	3595.0	4329.1	5033.9	5656.5	6161.1	6520.9	6754.3
7.5°	1046.0	1599.3	2300.4	3063.5	3828.9	4596.4	5309.8	5915.5	6380.8	6681.3	6843.7
5°	1109.8	1712.4	2442.9	3238.4	4023.9	4804.8	5512.6	6081.3	6483.4	6706.6	6788.2
2.5°	1150.5	1778.9	2525.6	3353.2	4154.3	4936.7	5651.8	6211.5	6552.7	6700.6	6714.7
0°	1166.7	1787.5	2538.3	3413.4	4187.2	4974.2	5691.4	6265.1	6578.5	6700.2	6697.8
-2.5°	1150.5	1778.9	2525.6	3353.2	4154.3	4936.7	5651.8	6211.5	6552.7	6700.6	6714.7
-5°	1109.8	1712.4	2442.9	3238.4	4023.9	4804.8	5512.6	6081.3	6483.4	6706.6	6788.2
-7.5°	1046.0	1599.3	2300.4	3063.5	3828.9	4596.4	5309.8	5915.5	6380.8	6681.3	6843.7
-10°	960.6	1447.9	2108.5	2848.1	3595.0	4329.1	5033.9	5656.5	6161.1	6520.9	6754.3
-12.5°	860.0	1271.7	1872.6	2581.8	3300.7	3989.7	4649.7	5256.7	5800.3	6252.5	6526.5
-15°	753.7	1101.6	1628.4	2264.8	2928.2	3583.0	4209.6	4796.9	5331.0	5788.3	6140.2
-17.5°	674.0	949.7	1353.4	1896.0	2509.3	3130.1	3723.7	4264.4	4778.1	5223.8	5598.1
-20°	580.5	777.4	1096.2	1548.4	2078.9	2645.5	3210.5	3708.8	4161.6	4582.8	4941.0



REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	506.7	664.1	887.3	1190.6	1654.4	2151.7	2652.1	3119.9	3531.1	3902.6	4220.5
-25°	438.8	548.3	715.7	949.9	1247.8	1662.7	2089.4	2513.5	2899.0	3232.5	3526.2
-27.5°	386.3	469.1	577.4	736.4	956.7	1199.0	1555.5	1899.1	2257.5	2576.1	2841.9
-30°	341.3	399.1	481.5	580.1	721.4	894.6	1098.1	1351.2	1628.2	1885.4	2138.8
-32.5°	310.3	348.2	402.2	474.0	549.8	667.5	782.9	947.7	1100.3	1283.3	1480.8
-35°	282.4	311.9	344.9	391.5	442.7	507.5	580.3	675.2	756.6	872.0	982.4
-37.5°	260.7	281.8	306.9	333.2	369.4	404.0	450.6	499.8	544.4	612.8	670.4
-40°	244.0	257.7	275.8	294.7	317.9	338.7	366.9	392.0	420.2	455.7	485.1
-42.5°	230.1	240.9	251.1	265.2	279.9	295.0	311.4	325.3	343.7	362.4	377.4
-45°	218.4	227.1	235.4	244.2	251.6	262.7	272.9	281.7	293.5	304.2	312.6
-47.5°	208.6	215.3	222.6	229.5	234.8	240.7	246.2	251.8	259.1	265.2	269.8
-50°	199.1	205.0	211.0	216.6	221.1	225.1	228.4	232.1	236.0	239.3	241.4
-52.5°	190.1	195.7	200.5	204.7	209.0	212.4	215.1	217.8	220.1	221.9	222.8
-55°	181.9	186.8	191.7	195.3	198.6	201.5	204.0	205.9	207.5	208.8	209.1
-57.5°	172.6	177.4	181.8	185.2	188.4	191.6	193.8	195.3	196.5	197.5	197.8
-60°	161.6	166.9	170.4	173.2	176.3	179.7	181.6	183.2	184.6	185.8	186.8
-62.5°	148.1	152.6	155.9	158.6	161.2	163.3	165.9	168.1	169.7	171.2	172.9
-65°	132.5	137.0	140.0	142.3	144.0	145.9	149.1	151.6	153.6	155.1	156.5
-67.5°	116.7	121.0	124.0	126.4	128.3	130.2	133.0	135.6	137.8	139.4	140.3
-70°	100.6	104.7	107.9	110.6	112.7	114.7	116.9	119.1	121.1	122.2	122.6
-72.5°	84.5	88.0	91.1	94.0	96.4	98.4	100.1	101.7	102.9	103.7	104.2
-75°	69.1	71.9	74.6	77.1	79.3	81.3	82.9	84.3	85.5	86.0	86.3
-77.5°	54.5	56.6	58.5	60.3	62.0	63.6	65.2	66.6	67.8	68.0	68.0
-80°	40.7	42.1	43.4	44.5	45.5	46.6	47.7	48.7	49.5	49.9	50.2
-82.5°	27.6	28.5	29.3	30.0	30.6	31.5	32.3	32.9	33.5	33.9	34.3
-85°	15.7	16.0	16.3	16.6	16.8	17.6	18.3	19.0	19.6	19.6	19.5
-87.5°	5.9	5.8	5.7	5.6	5.4	5.8	6.2	6.6	7.0	6.7	6.5
-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: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-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°	6.2	6.0	6.0	6.0	6.0	6.0	6.2	6.5	6.7	7.0	6.6
85°	19.4	19.2	18.7	18.1	18.7	19.2	19.4	19.5	19.6	19.6	19.0
82.5°	34.6	34.8	34.3	33.7	34.3	34.8	34.6	34.3	33.9	33.5	32.9
80°	50.4	50.4	49.9	49.4	49.9	50.4	50.4	50.2	49.9	49.5	48.7
77.5°	67.7	67.2	67.4	67.5	67.4	67.2	67.7	68.0	68.0	67.8	66.6
75°	86.5	86.4	86.1	85.6	86.1	86.4	86.5	86.3	86.0	85.5	84.3
72.5°	104.5	104.5	104.2	103.7	104.2	104.5	104.5	104.2	103.7	102.9	101.7
70°	122.7	122.4	122.8	122.9	122.8	122.4	122.7	122.6	122.2	121.1	119.1
67.5°	141.1	141.6	141.5	141.0	141.5	141.6	141.1	140.3	139.4	137.8	135.6
65°	157.6	158.4	158.9	159.1	158.9	158.4	157.6	156.5	155.1	153.6	151.6
62.5°	174.3	175.2	175.3	174.8	175.3	175.2	174.3	172.9	171.2	169.7	168.1
60°	187.4	187.6	187.3	186.8	187.3	187.6	187.4	186.8	185.8	184.6	183.2
57.5°	197.8	197.5	197.1	196.5	197.1	197.5	197.8	197.8	197.5	196.5	195.3
55°	208.9	208.4	207.9	207.3	207.9	208.4	208.9	209.1	208.8	207.5	205.9
52.5°	222.9	222.7	222.3	221.8	222.3	222.7	222.9	222.8	221.9	220.1	217.8
50°	242.4	242.7	242.7	242.3	242.7	242.7	242.4	241.4	239.3	236.0	232.1
47.5°	272.6	274.3	275.3	276.0	275.3	274.3	272.6	269.8	265.2	259.1	251.8
45°	318.0	321.2	323.5	325.4	323.5	321.2	318.0	312.6	304.2	293.5	281.7
42.5°	388.0	395.2	398.6	397.7	398.6	395.2	388.0	377.4	362.4	343.7	325.3
40°	504.7	516.3	522.8	527.9	522.8	516.3	504.7	485.1	455.7	420.2	392.0
37.5°	709.7	732.3	744.2	754.5	744.2	732.3	709.7	670.4	612.8	544.4	499.8
35°	1064.8	1115.6	1142.8	1152.3	1142.8	1115.6	1064.8	982.4	872.0	756.6	675.2
32.5°	1634.5	1728.2	1780.0	1820.0	1780.0	1728.2	1634.5	1480.8	1283.3	1100.3	947.7
30°	2339.5	2462.9	2531.4	2564.9	2531.4	2462.9	2339.5	2138.8	1885.4	1628.2	1351.2
27.5°	3062.2	3202.5	3276.3	3272.4	3276.3	3202.5	3062.2	2841.9	2576.1	2257.5	1899.1
25°	3777.9	3940.4	4014.1	4079.9	4014.1	3940.4	3777.9	3526.2	3232.5	2899.0	2513.5
22.5°	4501.8	4691.8	4795.4	4844.1	4795.4	4691.8	4501.8	4220.5	3902.6	3531.1	3119.9
20°	5217.1	5428.5	5538.6	5586.5	5538.6	5428.5	5217.1	4941.0	4582.8	4161.6	3708.8
17.5°	5851.4	6057.9	6162.8	6207.3	6162.8	6057.9	5851.4	5598.1	5223.8	4778.1	4264.4
15°	6358.0	6510.3	6599.5	6623.1	6599.5	6510.3	6358.0	6140.2	5788.3	5331.0	4796.9
12.5°	6708.1	6767.1	6810.0	6823.2	6810.0	6767.1	6708.1	6526.5	6252.5	5800.3	5256.7
10°	6887.1	6860.5	6849.5	6850.9	6849.5	6860.5	6887.1	6754.3	6520.9	6161.1	5656.5
7.5°	6874.8	6835.4	6756.2	6743.6	6756.2	6835.4	6874.8	6843.7	6681.3	6380.8	5915.5
5°	6776.0	6704.3	6572.9	6535.1	6572.9	6704.3	6776.0	6788.2	6706.6	6483.4	6081.3
2.5°	6660.9	6531.6	6410.5	6332.6	6410.5	6531.6	6660.9	6714.7	6700.6	6552.7	6211.5
0°	6626.7	6477.2	6320.6	6269.9	6320.6	6477.2	6626.7	6697.8	6700.2	6578.5	6265.1
-2.5°	6660.9	6531.6	6410.5	6332.6	6410.5	6531.6	6660.9	6714.7	6700.6	6552.7	6211.5
-5°	6776.0	6704.3	6572.9	6535.1	6572.9	6704.3	6776.0	6788.2	6706.6	6483.4	6081.3
-7.5°	6874.8	6835.4	6756.2	6743.6	6756.2	6835.4	6874.8	6843.7	6681.3	6380.8	5915.5
-10°	6887.1	6860.5	6849.5	6850.9	6849.5	6860.5	6887.1	6754.3	6520.9	6161.1	5656.5
-12.5°	6708.1	6767.1	6810.0	6823.2	6810.0	6767.1	6708.1	6526.5	6252.5	5800.3	5256.7
-15°	6358.0	6510.3	6599.5	6623.1	6599.5	6510.3	6358.0	6140.2	5788.3	5331.0	4796.9
-17.5°	5851.4	6057.9	6162.8	6207.3	6162.8	6057.9	5851.4	5598.1	5223.8	4778.1	4264.4
-20°	5217.1	5428.5	5538.6	5586.5	5538.6	5428.5	5217.1	4941.0	4582.8	4161.6	3708.8



REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4501.8	4691.8	4795.4	4844.1	4795.4	4691.8	4501.8	4220.5	3902.6	3531.1	3119.9
-25°	3777.9	3940.4	4014.1	4079.9	4014.1	3940.4	3777.9	3526.2	3232.5	2899.0	2513.5
-27.5°	3062.2	3202.5	3276.3	3272.4	3276.3	3202.5	3062.2	2841.9	2576.1	2257.5	1899.1
-30°	2339.5	2462.9	2531.4	2564.9	2531.4	2462.9	2339.5	2138.8	1885.4	1628.2	1351.2
-32.5°	1634.5	1728.2	1780.0	1820.0	1780.0	1728.2	1634.5	1480.8	1283.3	1100.3	947.7
-35°	1064.8	1115.6	1142.8	1152.3	1142.8	1115.6	1064.8	982.4	872.0	756.6	675.2
-37.5°	709.7	732.3	744.2	754.5	744.2	732.3	709.7	670.4	612.8	544.4	499.8
-40°	504.7	516.3	522.8	527.9	522.8	516.3	504.7	485.1	455.7	420.2	392.0
-42.5°	388.0	395.2	398.6	397.7	398.6	395.2	388.0	377.4	362.4	343.7	325.3
-45°	318.0	321.2	323.5	325.4	323.5	321.2	318.0	312.6	304.2	293.5	281.7
-47.5°	272.6	274.3	275.3	276.0	275.3	274.3	272.6	269.8	265.2	259.1	251.8
-50°	242.4	242.7	242.7	242.3	242.7	242.7	242.4	241.4	239.3	236.0	232.1
-52.5°	222.9	222.7	222.3	221.8	222.3	222.7	222.9	222.8	221.9	220.1	217.8
-55°	208.9	208.4	207.9	207.3	207.9	208.4	208.9	209.1	208.8	207.5	205.9
-57.5°	197.8	197.5	197.1	196.5	197.1	197.5	197.8	197.8	197.5	196.5	195.3
-60°	187.4	187.6	187.3	186.8	187.3	187.6	187.4	186.8	185.8	184.6	183.2
-62.5°	174.3	175.2	175.3	174.8	175.3	175.2	174.3	172.9	171.2	169.7	168.1
-65°	157.6	158.4	158.9	159.1	158.9	158.4	157.6	156.5	155.1	153.6	151.6
-67.5°	141.1	141.6	141.5	141.0	141.5	141.6	141.1	140.3	139.4	137.8	135.6
-70°	122.7	122.4	122.8	122.9	122.8	122.4	122.7	122.6	122.2	121.1	119.1
-72.5°	104.5	104.5	104.2	103.7	104.2	104.5	104.5	104.2	103.7	102.9	101.7
-75°	86.5	86.4	86.1	85.6	86.1	86.4	86.5	86.3	86.0	85.5	84.3
-77.5°	67.7	67.2	67.4	67.5	67.4	67.2	67.7	68.0	68.0	67.8	66.6
-80°	50.4	50.4	49.9	49.4	49.9	50.4	50.4	50.2	49.9	49.5	48.7
-82.5°	34.6	34.8	34.3	33.7	34.3	34.8	34.6	34.3	33.9	33.5	32.9
-85°	19.4	19.2	18.7	18.1	18.7	19.2	19.4	19.5	19.6	19.6	19.0
-87.5°	6.2	6.0	6.0	6.0	6.0	6.0	6.2	6.5	6.7	7.0	6.6
-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: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-MWR-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°	6.2	5.8	5.4	5.6	5.7	5.8	5.9	5.7	5.5	5.3	5.1
85°	18.3	17.6	16.8	16.6	16.3	16.0	15.7	15.0	14.3	13.5	12.7
82.5°	32.3	31.5	30.6	30.0	29.3	28.5	27.6	26.3	25.0	23.6	22.2
80°	47.7	46.6	45.5	44.5	43.4	42.1	40.7	38.7	36.5	34.4	32.4
77.5°	65.2	63.6	62.0	60.3	58.5	56.6	54.5	51.9	49.3	46.5	43.8
75°	82.9	81.3	79.3	77.1	74.6	71.9	69.1	66.0	62.7	59.2	55.7
72.5°	100.1	98.4	96.4	94.0	91.1	88.0	84.5	80.7	76.7	72.4	68.3
70°	116.9	114.7	112.7	110.6	107.9	104.7	100.6	96.0	91.1	86.2	81.4
67.5°	133.0	130.2	128.3	126.4	124.0	121.0	116.7	111.8	106.3	100.6	94.9
65°	149.1	145.9	144.0	142.3	140.0	137.0	132.5	127.5	121.7	115.4	108.8
62.5°	165.9	163.3	161.2	158.6	155.9	152.6	148.1	142.8	137.0	130.3	122.7
60°	181.6	179.7	176.3	173.2	170.4	166.9	161.6	156.5	151.8	144.1	135.9
57.5°	193.8	191.6	188.4	185.2	181.8	177.4	172.6	167.8	162.3	155.9	148.2
55°	204.0	201.5	198.6	195.3	191.7	186.8	181.9	176.7	171.4	166.0	158.5
52.5°	215.1	212.4	209.0	204.7	200.5	195.7	190.1	184.7	179.7	174.2	168.1
50°	228.4	225.1	221.1	216.6	211.0	205.0	199.1	192.7	187.5	182.2	176.0
47.5°	246.2	240.7	234.8	229.5	222.6	215.3	208.6	202.0	195.9	190.1	183.7
45°	272.9	262.7	251.6	244.2	235.4	227.1	218.4	211.1	204.1	197.5	191.5
42.5°	311.4	295.0	279.9	265.2	251.1	240.9	230.1	221.0	212.5	204.8	197.7
40°	366.9	338.7	317.9	294.7	275.8	257.7	244.0	231.5	221.7	212.5	204.0
37.5°	450.6	404.0	369.4	333.2	306.9	281.8	260.7	244.4	231.1	220.4	210.5
35°	580.3	507.5	442.7	391.5	344.9	311.9	282.4	259.6	242.4	228.5	216.9
32.5°	782.9	667.5	549.8	474.0	402.2	348.2	310.3	278.9	254.7	238.1	224.2
30°	1098.1	894.6	721.4	580.1	481.5	399.1	341.3	303.0	272.0	247.7	231.5
27.5°	1555.5	1199.0	956.7	736.4	577.4	469.1	386.3	328.7	290.2	261.3	239.9
25°	2089.4	1662.7	1247.8	949.9	715.7	548.3	438.8	364.8	312.7	275.4	247.3
22.5°	2652.1	2151.7	1654.4	1190.6	887.3	664.1	506.7	401.1	334.0	290.4	258.0
20°	3210.5	2645.5	2078.9	1548.4	1096.2	777.4	580.5	449.4	363.7	307.3	268.2
17.5°	3723.7	3130.1	2509.3	1896.0	1353.4	949.7	674.0	498.2	389.6	322.2	277.0
15°	4209.6	3583.0	2928.2	2264.8	1628.4	1101.6	753.7	540.7	416.6	339.6	288.5
12.5°	4649.7	3989.7	3300.7	2581.8	1872.6	1271.7	860.0	603.3	449.7	357.7	299.4
10°	5033.9	4329.1	3595.0	2848.1	2108.5	1447.9	960.6	656.8	478.3	372.6	308.3
7.5°	5309.8	4596.4	3828.9	3063.5	2300.4	1599.3	1046.0	699.1	500.8	384.1	315.1
5°	5512.6	4804.8	4023.9	3238.4	2442.9	1712.4	1109.8	728.9	516.9	392.0	319.9
2.5°	5651.8	4936.7	4154.3	3353.2	2525.6	1778.9	1150.5	744.9	524.5	398.3	322.5
0°	5691.4	4974.2	4187.2	3413.4	2538.3	1787.5	1166.7	747.3	524.3	401.4	323.0
-2.5°	5651.8	4936.7	4154.3	3353.2	2525.6	1778.9	1150.5	744.9	524.5	398.3	322.5
-5°	5512.6	4804.8	4023.9	3238.4	2442.9	1712.4	1109.8	728.9	516.9	392.0	319.9
-7.5°	5309.8	4596.4	3828.9	3063.5	2300.4	1599.3	1046.0	699.1	500.8	384.1	315.1
-10°	5033.9	4329.1	3595.0	2848.1	2108.5	1447.9	960.6	656.8	478.3	372.6	308.3
-12.5°	4649.7	3989.7	3300.7	2581.8	1872.6	1271.7	860.0	603.3	449.7	357.7	299.4
-15°	4209.6	3583.0	2928.2	2264.8	1628.4	1101.6	753.7	540.7	416.6	339.6	288.5
-17.5°	3723.7	3130.1	2509.3	1896.0	1353.4	949.7	674.0	498.2	389.6	322.2	277.0
-20°	3210.5	2645.5	2078.9	1548.4	1096.2	777.4	580.5	449.4	363.7	307.3	268.2



REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2652.1	2151.7	1654.4	1190.6	887.3	664.1	506.7	401.1	334.0	290.4	258.0
-25°	2089.4	1662.7	1247.8	949.9	715.7	548.3	438.8	364.8	312.7	275.4	247.3
-27.5°	1555.5	1199.0	956.7	736.4	577.4	469.1	386.3	328.7	290.2	261.3	239.9
-30°	1098.1	894.6	721.4	580.1	481.5	399.1	341.3	303.0	272.0	247.7	231.5
-32.5°	782.9	667.5	549.8	474.0	402.2	348.2	310.3	278.9	254.7	238.1	224.2
-35°	580.3	507.5	442.7	391.5	344.9	311.9	282.4	259.6	242.4	228.5	216.9
-37.5°	450.6	404.0	369.4	333.2	306.9	281.8	260.7	244.4	231.1	220.4	210.5
-40°	366.9	338.7	317.9	294.7	275.8	257.7	244.0	231.5	221.7	212.5	204.0
-42.5°	311.4	295.0	279.9	265.2	251.1	240.9	230.1	221.0	212.5	204.8	197.7
-45°	272.9	262.7	251.6	244.2	235.4	227.1	218.4	211.1	204.1	197.5	191.5
-47.5°	246.2	240.7	234.8	229.5	222.6	215.3	208.6	202.0	195.9	190.1	183.7
-50°	228.4	225.1	221.1	216.6	211.0	205.0	199.1	192.7	187.5	182.2	176.0
-52.5°	215.1	212.4	209.0	204.7	200.5	195.7	190.1	184.7	179.7	174.2	168.1
-55°	204.0	201.5	198.6	195.3	191.7	186.8	181.9	176.7	171.4	166.0	158.5
-57.5°	193.8	191.6	188.4	185.2	181.8	177.4	172.6	167.8	162.3	155.9	148.2
-60°	181.6	179.7	176.3	173.2	170.4	166.9	161.6	156.5	151.8	144.1	135.9
-62.5°	165.9	163.3	161.2	158.6	155.9	152.6	148.1	142.8	137.0	130.3	122.7
-65°	149.1	145.9	144.0	142.3	140.0	137.0	132.5	127.5	121.7	115.4	108.8
-67.5°	133.0	130.2	128.3	126.4	124.0	121.0	116.7	111.8	106.3	100.6	94.9
-70°	116.9	114.7	112.7	110.6	107.9	104.7	100.6	96.0	91.1	86.2	81.4
-72.5°	100.1	98.4	96.4	94.0	91.1	88.0	84.5	80.7	76.7	72.4	68.3
-75°	82.9	81.3	79.3	77.1	74.6	71.9	69.1	66.0	62.7	59.2	55.7
-77.5°	65.2	63.6	62.0	60.3	58.5	56.6	54.5	51.9	49.3	46.5	43.8
-80°	47.7	46.6	45.5	44.5	43.4	42.1	40.7	38.7	36.5	34.4	32.4
-82.5°	32.3	31.5	30.6	30.0	29.3	28.5	27.6	26.3	25.0	23.6	22.2
-85°	18.3	17.6	16.8	16.6	16.3	16.0	15.7	15.0	14.3	13.5	12.7
-87.5°	6.2	5.8	5.4	5.6	5.7	5.8	5.9	5.7	5.5	5.3	5.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-MWR-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°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.6	2.3	1.9
85°	11.9	11.0	10.1	9.1	8.2	7.2	6.6	6.1	5.3	4.5	3.8
82.5°	20.8	19.5	18.1	16.7	15.1	13.5	11.9	10.4	8.7	6.9	5.7
80°	30.6	28.7	26.7	24.6	22.3	19.8	17.6	15.5	13.4	11.2	8.8
77.5°	41.1	38.3	35.5	32.9	30.1	27.2	24.1	20.9	18.1	15.5	12.7
75°	52.3	49.0	45.5	42.0	38.3	34.6	31.1	27.3	23.6	19.8	16.5
72.5°	64.3	60.1	55.8	51.3	47.1	42.7	38.2	33.8	29.4	25.0	20.5
70°	76.5	71.4	66.4	61.4	56.2	50.8	45.7	40.4	35.1	30.1	25.0
67.5°	89.1	83.3	77.4	71.5	65.7	59.6	53.2	47.0	41.0	35.1	29.4
65°	102.2	95.5	88.5	81.8	75.2	68.5	61.5	53.7	46.8	40.2	33.8
62.5°	115.2	107.8	100.0	92.0	84.5	77.1	69.6	61.0	52.6	45.1	38.0
60°	127.8	119.4	111.0	102.3	93.6	85.4	77.1	68.1	58.9	49.9	42.2
57.5°	139.2	130.5	121.2	111.9	102.6	93.5	84.3	74.8	65.0	55.2	46.2
55°	150.0	140.5	130.8	120.8	111.1	101.3	91.3	81.2	70.9	60.4	50.2
52.5°	160.2	150.2	139.8	129.2	118.7	108.7	98.2	87.4	76.5	65.4	54.5
50°	169.0	159.7	148.7	137.5	126.1	115.5	104.8	93.4	81.9	70.3	58.8
47.5°	176.5	167.9	157.3	145.5	133.5	122.1	111.0	99.3	87.2	74.9	62.9
45°	183.8	175.5	165.2	153.2	140.8	128.8	117.0	104.9	92.2	79.4	66.8
42.5°	190.6	182.4	172.8	160.6	147.8	135.2	122.8	110.1	97.0	83.7	70.5
40°	196.4	188.3	179.8	167.7	154.4	141.2	128.3	115.2	101.6	87.7	74.1
37.5°	202.1	193.8	185.0	174.4	160.6	146.9	133.5	120.1	106.0	91.7	77.4
35°	207.5	199.0	189.7	179.6	166.3	152.2	138.3	124.6	110.2	95.4	80.5
32.5°	212.4	203.7	194.0	183.8	171.6	157.1	142.8	128.6	114.0	99.0	83.4
30°	218.3	207.6	197.9	187.9	176.2	161.6	146.9	132.4	117.6	102.3	86.1
27.5°	223.9	211.3	201.4	191.3	179.7	165.7	150.8	135.8	120.8	105.4	88.7
25°	229.3	215.6	204.6	194.2	183.1	169.5	154.3	139.0	123.7	108.0	91.2
22.5°	235.5	219.6	207.6	196.7	186.3	173.1	157.5	141.9	126.2	110.4	93.5
20°	241.0	222.8	210.3	199.1	188.8	175.7	160.4	144.5	128.5	112.5	95.5
17.5°	246.4	226.5	213.0	201.3	190.6	178.0	162.9	146.7	130.5	114.3	97.3
15°	253.9	230.8	215.4	203.3	192.2	180.0	165.0	148.6	132.2	115.8	99.0
12.5°	260.3	234.3	217.4	204.8	193.4	181.6	166.8	150.2	133.6	117.2	100.4
10°	265.5	237.1	218.9	206.0	194.4	182.9	168.2	151.6	135.0	118.4	101.6
7.5°	269.4	239.2	220.0	206.9	195.1	183.8	169.5	152.8	136.0	119.3	102.5
5°	272.1	240.6	220.9	207.4	195.5	184.4	170.4	153.6	136.8	120.0	103.2
2.5°	273.5	241.2	221.6	207.5	195.5	184.6	171.0	154.1	137.2	120.4	103.6
0°	273.6	241.1	221.8	207.3	195.3	184.4	171.2	154.3	137.4	120.5	103.7
-2.5°	273.5	241.2	221.6	207.5	195.5	184.6	171.0	154.1	137.2	120.4	103.6
-5°	272.1	240.6	220.9	207.4	195.5	184.4	170.4	153.6	136.8	120.0	103.2
-7.5°	269.4	239.2	220.0	206.9	195.1	183.8	169.5	152.8	136.0	119.3	102.5
-10°	265.5	237.1	218.9	206.0	194.4	182.9	168.2	151.6	135.0	118.4	101.6
-12.5°	260.3	234.3	217.4	204.8	193.4	181.6	166.8	150.2	133.6	117.2	100.4
-15°	253.9	230.8	215.4	203.3	192.2	180.0	165.0	148.6	132.2	115.8	99.0
-17.5°	246.4	226.5	213.0	201.3	190.6	178.0	162.9	146.7	130.5	114.3	97.3
-20°	241.0	222.8	210.3	199.1	188.8	175.7	160.4	144.5	128.5	112.5	95.5

Classified

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



REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	235.5	219.6	207.6	196.7	186.3	173.1	157.5	141.9	126.2	110.4	93.5
-25°	229.3	215.6	204.6	194.2	183.1	169.5	154.3	139.0	123.7	108.0	91.2
-27.5°	223.9	211.3	201.4	191.3	179.7	165.7	150.8	135.8	120.8	105.4	88.7
-30°	218.3	207.6	197.9	187.9	176.2	161.6	146.9	132.4	117.6	102.3	86.1
-32.5°	212.4	203.7	194.0	183.8	171.6	157.1	142.8	128.6	114.0	99.0	83.4
-35°	207.5	199.0	189.7	179.6	166.3	152.2	138.3	124.6	110.2	95.4	80.5
-37.5°	202.1	193.8	185.0	174.4	160.6	146.9	133.5	120.1	106.0	91.7	77.4
-40°	196.4	188.3	179.8	167.7	154.4	141.2	128.3	115.2	101.6	87.7	74.1
-42.5°	190.6	182.4	172.8	160.6	147.8	135.2	122.8	110.1	97.0	83.7	70.5
-45°	183.8	175.5	165.2	153.2	140.8	128.8	117.0	104.9	92.2	79.4	66.8
-47.5°	176.5	167.9	157.3	145.5	133.5	122.1	111.0	99.3	87.2	74.9	62.9
-50°	169.0	159.7	148.7	137.5	126.1	115.5	104.8	93.4	81.9	70.3	58.8
-52.5°	160.2	150.2	139.8	129.2	118.7	108.7	98.2	87.4	76.5	65.4	54.5
-55°	150.0	140.5	130.8	120.8	111.1	101.3	91.3	81.2	70.9	60.4	50.2
-57.5°	139.2	130.5	121.2	111.9	102.6	93.5	84.3	74.8	65.0	55.2	46.2
-60°	127.8	119.4	111.0	102.3	93.6	85.4	77.1	68.1	58.9	49.9	42.2
-62.5°	115.2	107.8	100.0	92.0	84.5	77.1	69.6	61.0	52.6	45.1	38.0
-65°	102.2	95.5	88.5	81.8	75.2	68.5	61.5	53.7	46.8	40.2	33.8
-67.5°	89.1	83.3	77.4	71.5	65.7	59.6	53.2	47.0	41.0	35.1	29.4
-70°	76.5	71.4	66.4	61.4	56.2	50.8	45.7	40.4	35.1	30.1	25.0
-72.5°	64.3	60.1	55.8	51.3	47.1	42.7	38.2	33.8	29.4	25.0	20.5
-75°	52.3	49.0	45.5	42.0	38.3	34.6	31.1	27.3	23.6	19.8	16.5
-77.5°	41.1	38.3	35.5	32.9	30.1	27.2	24.1	20.9	18.1	15.5	12.7
-80°	30.6	28.7	26.7	24.6	22.3	19.8	17.6	15.5	13.4	11.2	8.8
-82.5°	20.8	19.5	18.1	16.7	15.1	13.5	11.9	10.4	8.7	6.9	5.7
-85°	11.9	11.0	10.1	9.1	8.2	7.2	6.6	6.1	5.3	4.5	3.8
-87.5°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.6	2.3	1.9
-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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REPORT NUMBER: P626767 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-MWR-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°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
80°	6.4	5.2	4.1	3.1	2.1	1.0	0.0
77.5°	9.8	7.0	5.2	3.9	2.6	1.3	0.0
75°	13.1	9.8	6.4	4.6	3.1	1.6	0.0
72.5°	16.4	12.6	8.6	5.4	3.6	1.8	0.0
70°	19.8	15.3	10.8	6.3	4.1	2.1	0.0
67.5°	23.6	18.0	13.0	7.9	4.6	2.3	0.0
65°	27.2	20.8	15.1	9.5	5.1	2.5	0.0
62.5°	30.8	23.8	17.2	11.1	5.5	2.8	0.0
60°	34.3	26.7	19.2	12.6	6.0	3.0	0.0
57.5°	37.8	29.5	21.4	14.1	7.0	3.2	0.0
55°	41.3	32.2	23.5	15.5	7.9	3.4	0.0
52.5°	44.6	34.8	25.6	16.9	8.8	3.7	0.0
50°	47.9	37.5	27.6	18.3	9.7	3.9	0.0
47.5°	51.1	40.2	29.5	19.6	10.5	4.1	0.0
45°	54.4	42.8	31.4	21.0	11.4	4.2	0.0
42.5°	57.6	45.2	33.1	22.3	12.1	4.4	0.0
40°	60.6	47.6	34.9	23.5	12.8	4.6	0.0
37.5°	63.5	49.9	36.7	24.6	13.5	4.8	0.0
35°	66.1	52.1	38.4	25.7	14.2	4.9	0.0
32.5°	68.6	54.1	40.0	26.7	14.7	5.1	0.0
30°	70.9	56.1	41.5	27.6	15.3	5.2	0.0
27.5°	73.0	57.9	42.8	28.4	15.8	5.3	0.0
25°	75.0	59.5	44.0	29.2	16.2	5.4	0.0
22.5°	76.7	60.9	45.1	29.9	16.6	5.5	0.0
20°	78.2	62.2	46.1	30.5	17.0	5.6	0.0
17.5°	79.6	63.2	47.0	31.0	17.3	5.7	0.0
15°	80.8	64.2	47.7	31.5	17.6	5.8	0.0
12.5°	81.9	64.9	48.3	31.9	17.8	5.9	0.0
10°	82.8	65.5	48.8	32.2	17.9	5.9	0.0
7.5°	83.5	66.0	49.1	32.4	18.0	5.9	0.0
5°	84.0	66.2	49.4	32.5	18.1	6.0	0.0
2.5°	84.3	66.4	49.4	32.5	18.1	6.0	0.0
0°	84.4	66.3	49.4	32.5	18.1	6.0	0.0
-2.5°	84.3	66.4	49.4	32.5	18.1	6.0	0.0
-5°	84.0	66.2	49.4	32.5	18.1	6.0	0.0
-7.5°	83.5	66.0	49.1	32.4	18.0	5.9	0.0
-10°	82.8	65.5	48.8	32.2	17.9	5.9	0.0
-12.5°	81.9	64.9	48.3	31.9	17.8	5.9	0.0
-15°	80.8	64.2	47.7	31.5	17.6	5.8	0.0
-17.5°	79.6	63.2	47.0	31.0	17.3	5.7	0.0
-20°	78.2	62.2	46.1	30.5	17.0	5.6	0.0

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CATALOG NUMBER: GFLD-SA1E-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	76.7	60.9	45.1	29.9	16.6	5.5	0.0
-25°	75.0	59.5	44.0	29.2	16.2	5.4	0.0
-27.5°	73.0	57.9	42.8	28.4	15.8	5.3	0.0
-30°	70.9	56.1	41.5	27.6	15.3	5.2	0.0
-32.5°	68.6	54.1	40.0	26.7	14.7	5.1	0.0
-35°	66.1	52.1	38.4	25.7	14.2	4.9	0.0
-37.5°	63.5	49.9	36.7	24.6	13.5	4.8	0.0
-40°	60.6	47.6	34.9	23.5	12.8	4.6	0.0
-42.5°	57.6	45.2	33.1	22.3	12.1	4.4	0.0
-45°	54.4	42.8	31.4	21.0	11.4	4.2	0.0
-47.5°	51.1	40.2	29.5	19.6	10.5	4.1	0.0
-50°	47.9	37.5	27.6	18.3	9.7	3.9	0.0
-52.5°	44.6	34.8	25.6	16.9	8.8	3.7	0.0
-55°	41.3	32.2	23.5	15.5	7.9	3.4	0.0
-57.5°	37.8	29.5	21.4	14.1	7.0	3.2	0.0
-60°	34.3	26.7	19.2	12.6	6.0	3.0	0.0
-62.5°	30.8	23.8	17.2	11.1	5.5	2.8	0.0
-65°	27.2	20.8	15.1	9.5	5.1	2.5	0.0
-67.5°	23.6	18.0	13.0	7.9	4.6	2.3	0.0
-70°	19.8	15.3	10.8	6.3	4.1	2.1	0.0
-72.5°	16.4	12.6	8.6	5.4	3.6	1.8	0.0
-75°	13.1	9.8	6.4	4.6	3.1	1.6	0.0
-77.5°	9.8	7.0	5.2	3.9	2.6	1.3	0.0
-80°	6.4	5.2	4.1	3.1	2.1	1.0	0.0
-82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
-85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-87.5°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)