

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: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627930 (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-SA6D-730-U-VWR-VSR-XX
 Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
 Light Source: (96) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: -

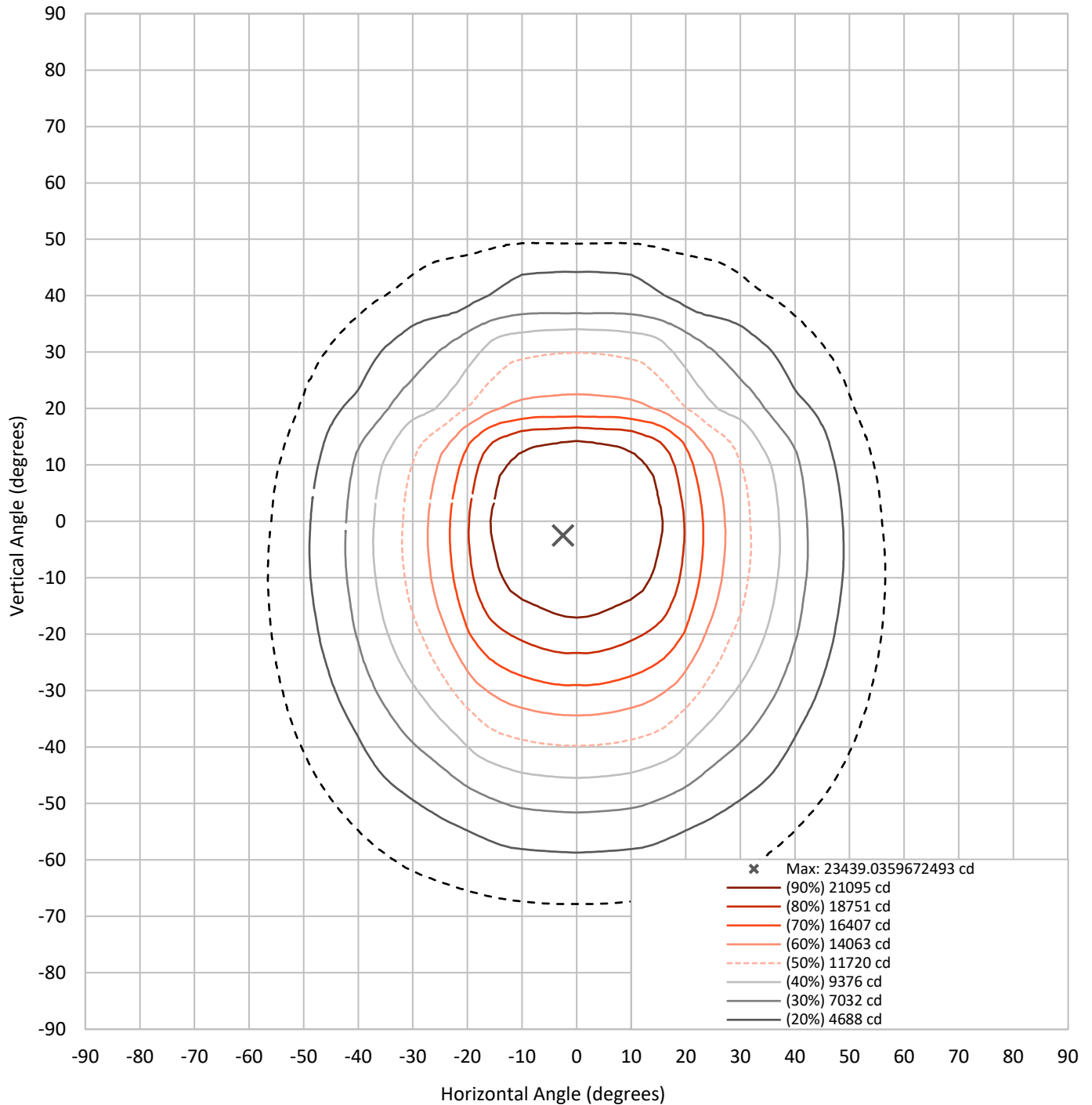
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	31280.1 lumens	Max Intensity:	23439 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	96.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	18097.7 lumens	Field Lumens:	29682.9 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	325.9		
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





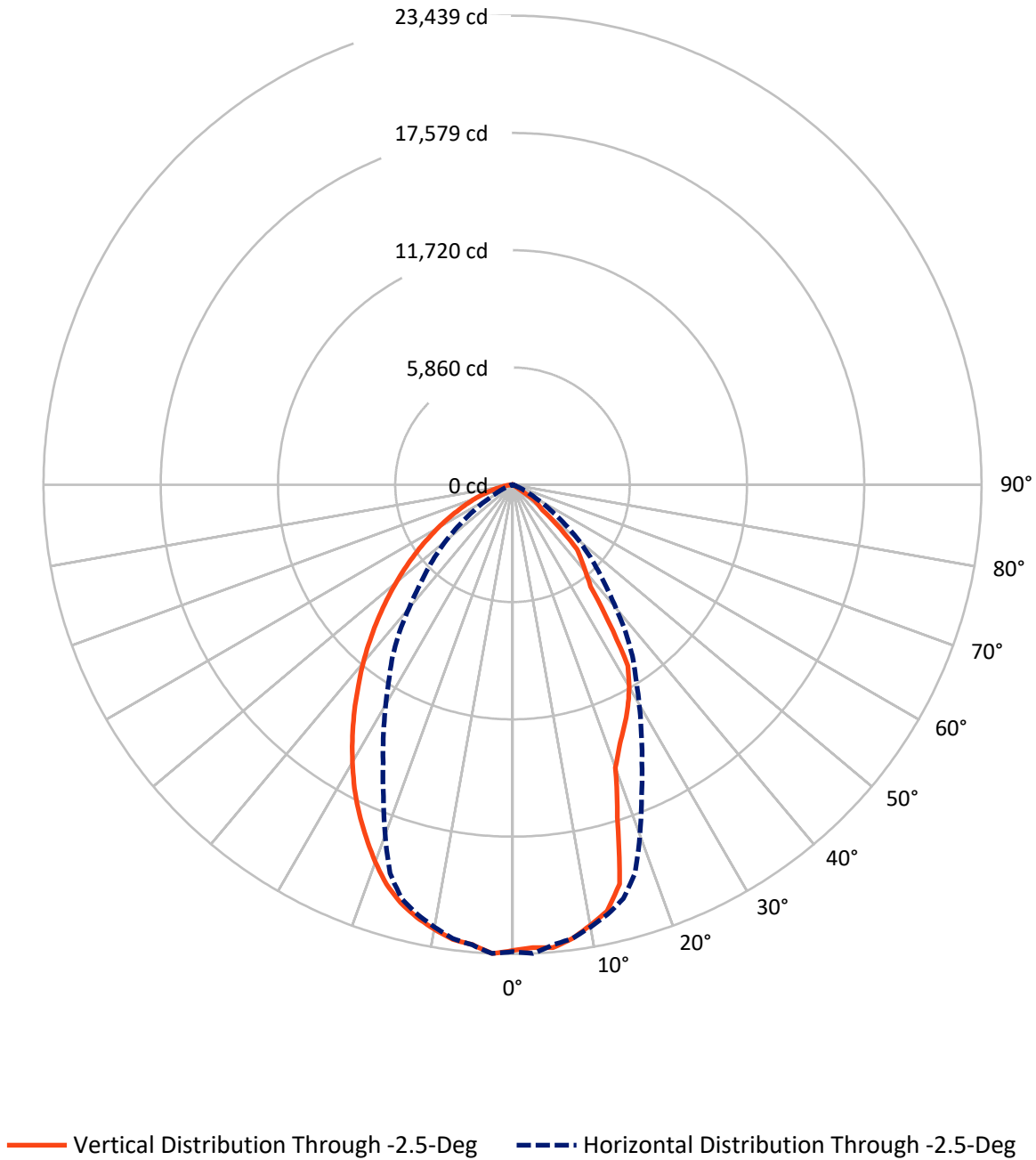
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Lumen Table

90																			
80	0.1	0.2		0.2		0.3		0.4		0.3		0.2		0.2		0.1			
70																			
60	0.2	0.1	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.2			
50		0.3	0.6	2.9	8.5	16.5	24.4	30.4	30.4	24.4	16.5	8.5	2.9	0.6	0.3				
40	0.5	0.6	3.5	16.0	38.8	69.8	103.1	126.3	126.3	103.1	69.8	38.8	16.0	3.5	0.6	0.5			
30		1.5	11.6	40.6	90.6	147.0	220.4	257.6	257.6	220.4	147.0	90.6	40.6	11.6	1.5				
20	1.0	3.5	22.5	72.0	146.1	231.6	347.4	399.3	399.3	347.4	231.6	146.1	72.0	22.5	3.5	1.0			
10		5.9	34.5	106.5	210.4	346.3	515.6	591.3	591.3	515.6	346.3	210.4	106.5	34.5	5.9				
0	1.6	8.1	44.8	126.5	251.7	413.8	608.8	690.9	690.9	608.8	413.8	251.7	126.5	44.8	8.1	1.6			
-10		9.6	49.4	131.4	258.4	423.3	613.3	693.5	693.5	613.3	423.3	258.4	131.4	49.4	9.6				
-20	2.0	10.1	48.3	124.4	243.7	396.4	569.2	643.2	643.2	569.2	396.4	243.7	124.4	48.3	10.1	2.0			
-30		9.1	42.3	108.5	210.5	337.0	477.2	540.5	540.5	477.2	337.0	210.5	108.5	42.3	9.1				
-40	2.0	7.6	33.7	85.3	165.6	259.9	364.4	412.6	412.6	364.4	259.9	165.6	85.3	33.7	7.6	2.0			
-50		6.2	24.9	60.8	118.6	182.8	252.2	286.3	286.3	252.2	182.8	118.6	60.8	24.9	6.2				
-60	1.5	4.6	16.3	39.1	73.7	113.5	154.2	175.8	175.8	154.2	113.5	73.7	39.1	16.3	4.6	1.5			
-70		3.2	9.9	22.8	40.5	60.2	79.7	90.3	90.3	79.7	60.2	40.5	22.8	9.9	3.2				
-80	0.6	7.3		33.7		73.6		82.1		73.6		33.7		7.3		0.6			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

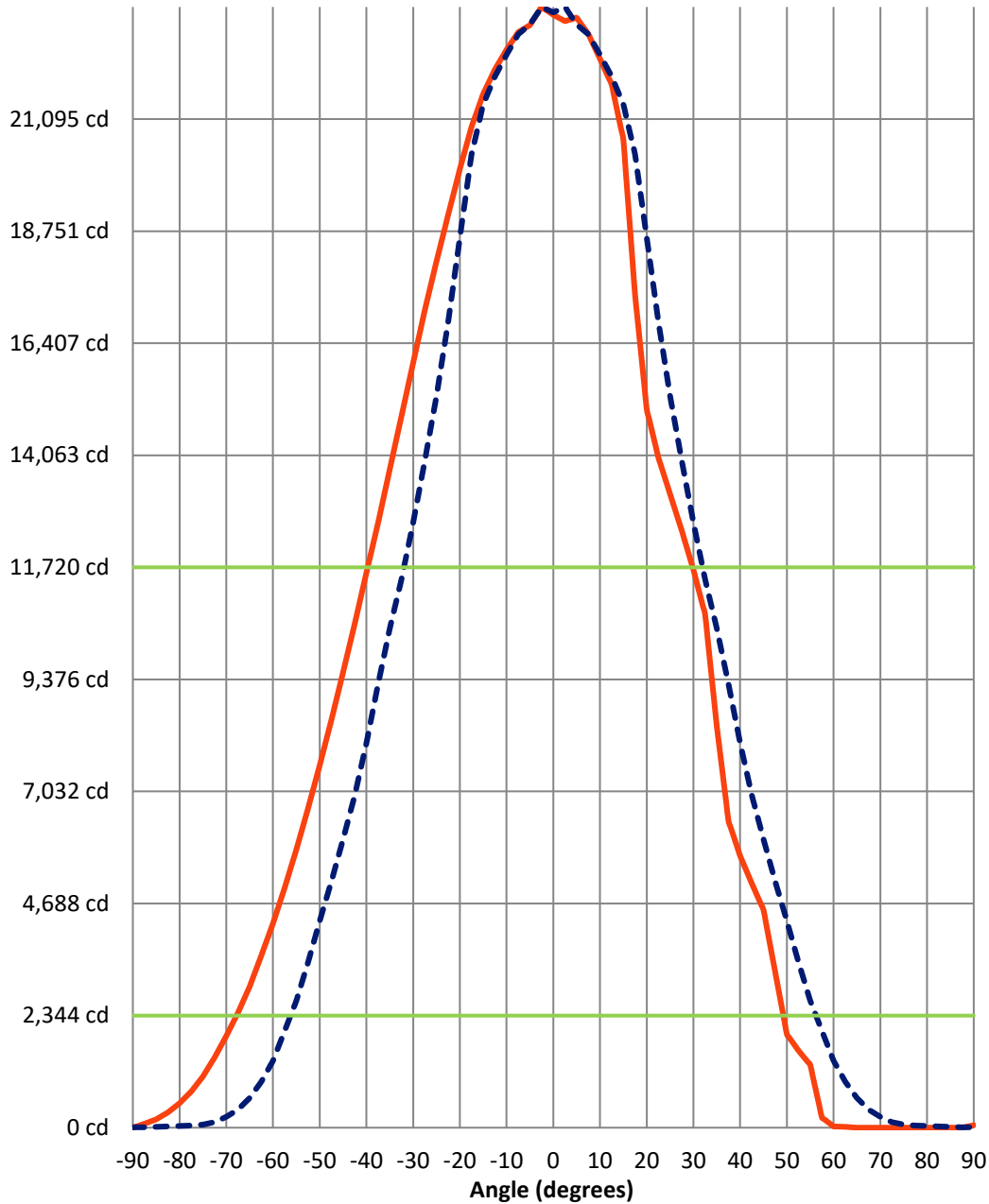
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 18097.7
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 29682.9
 Efficiency: 94.9%

Spill:
 Lumens: 1597.3
 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°	8.7	8.7	8.7	10.9	13.1	15.3	17.5	19.7	21.9	24.0	26.2
87.5°	8.7	8.7	8.7	8.4	7.9	7.3	6.5	4.6	2.9	1.4	0.0
85°	8.7	8.7	8.7	8.1	7.2	5.9	4.2	2.6	1.4	0.5	0.0
82.5°	8.7	8.7	8.7	7.9	6.5	4.5	2.0	0.7	0.2	1.3	2.3
80°	8.7	8.7	8.7	7.6	5.8	3.2	0.4	1.7	3.1	4.6	5.9
77.5°	8.7	8.7	8.7	7.4	5.1	2.9	2.7	4.3	6.1	7.8	7.9
75°	8.7	8.7	8.7	7.2	4.8	4.3	4.9	6.8	8.6	7.1	4.6
72.5°	8.7	8.7	8.7	7.0	5.5	5.6	7.0	8.6	7.4	5.0	1.5
70°	8.7	8.7	8.7	7.0	6.3	6.9	8.7	8.2	6.4	3.3	4.0
67.5°	8.7	8.7	8.7	7.3	6.9	8.1	9.0	8.0	5.7	6.8	7.8
65°	8.7	8.7	8.7	7.5	7.6	9.0	9.3	7.9	8.7	10.2	10.7
62.5°	8.7	8.7	8.7	7.8	8.2	9.7	9.8	9.8	11.8	13.2	12.0
60°	8.7	8.7	8.7	8.0	8.7	10.5	10.4	12.5	14.8	15.2	13.7
57.5°	8.7	8.7	8.8	8.2	9.5	11.3	12.4	15.1	17.3	17.5	17.1
55°	8.7	8.7	8.9	8.4	10.4	12.2	14.6	17.7	19.9	20.3	21.2
52.5°	8.7	8.7	9.1	8.6	11.3	13.4	16.8	20.2	22.8	24.0	25.4
50°	8.7	8.7	9.3	8.7	12.3	15.2	19.0	22.7	25.9	27.8	29.5
47.5°	8.7	8.7	9.5	8.9	13.3	16.9	21.1	25.2	29.2	31.5	33.6
45°	8.7	8.7	9.8	9.7	14.4	18.6	23.1	27.6	32.3	35.1	37.6
42.5°	8.7	8.7	10.0	10.5	15.5	20.3	25.1	30.2	35.5	38.7	45.7
40°	8.7	8.7	10.4	11.6	16.7	21.9	27.1	33.2	39.0	42.3	54.5
37.5°	8.7	8.7	10.7	12.8	18.0	23.5	29.0	36.3	42.6	48.1	63.6
35°	8.7	8.7	11.1	13.9	19.2	25.0	30.8	39.5	46.5	59.2	80.9
32.5°	8.7	8.7	11.5	15.0	20.3	26.5	32.8	42.8	50.5	72.1	115.5
30°	8.7	8.7	11.9	16.1	21.5	27.9	35.4	46.1	54.6	86.9	149.1
27.5°	8.7	8.7	12.4	17.2	22.8	29.2	38.0	49.5	61.9	103.3	181.6
25°	8.7	8.7	12.8	18.2	24.2	30.5	40.6	52.9	74.6	127.2	213.5
22.5°	8.7	8.7	13.3	19.2	25.5	31.9	43.2	56.4	87.9	153.5	255.6
20°	8.7	8.7	13.8	20.1	26.8	33.5	45.7	59.8	101.7	178.5	297.4
17.5°	8.7	8.7	14.3	21.0	28.0	35.0	48.2	63.2	115.9	202.0	338.6
15°	8.7	8.7	14.8	21.9	29.2	36.5	50.6	67.6	130.0	224.1	378.5
12.5°	8.7	8.7	15.3	22.7	30.3	37.9	52.9	73.7	145.8	244.5	416.8
10°	8.7	8.7	15.7	23.5	31.4	39.2	54.9	80.1	162.4	268.3	455.2
7.5°	8.7	8.7	16.2	24.3	32.4	40.4	56.8	86.6	178.3	291.5	495.6
5°	8.7	8.7	16.7	25.0	33.3	41.6	58.5	93.0	193.2	312.9	532.7
2.5°	8.7	8.7	17.1	25.6	34.2	42.7	59.9	99.2	206.7	332.5	566.1
0°	8.7	8.7	17.5	26.2	35.0	43.7	61.2	105.0	218.7	350.0	595.0
-2.5°	8.7	8.7	17.5	26.2	35.0	43.7	61.2	105.0	218.7	350.0	595.0
-5°	8.7	8.7	17.4	26.1	36.4	45.5	67.7	125.5	234.4	401.8	642.4
-7.5°	8.7	8.7	17.3	26.0	36.9	46.2	70.4	134.0	239.8	421.6	659.1
-10°	8.7	8.7	17.2	25.8	37.3	46.9	72.7	141.1	243.9	435.9	671.3
-12.5°	8.7	8.7	17.1	25.6	37.6	47.5	74.4	146.3	246.7	443.4	680.9
-15°	8.7	8.7	16.9	25.3	37.7	48.0	75.5	149.5	251.8	442.6	684.4
-17.5°	8.7	8.7	16.7	25.0	37.6	48.4	75.9	152.7	259.3	438.1	680.1
-20°	8.7	8.7	16.4	24.6	37.4	48.6	77.8	155.9	264.3	430.1	667.6

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Scaled Data Report



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	8.7	8.7	16.2	24.2	36.9	48.8	82.8	157.2	266.4	418.6	646.4
-25°	8.7	8.7	15.8	23.7	36.3	52.1	87.0	156.8	265.7	403.7	616.1
-27.5°	8.7	8.7	15.5	23.2	35.4	56.1	90.1	154.4	261.9	391.1	594.0
-30°	8.7	8.7	15.1	22.7	34.5	59.6	92.3	150.1	257.0	385.4	569.1
-32.5°	8.7	8.7	14.7	22.1	35.8	62.5	93.5	150.3	250.8	375.8	541.1
-35°	8.7	8.7	14.3	21.5	36.7	64.8	96.0	151.2	242.0	362.2	509.9
-37.5°	8.7	8.7	13.9	20.8	37.3	66.2	98.6	150.6	230.8	344.7	496.0
-40°	8.7	8.7	13.4	20.1	37.6	66.7	100.1	148.6	217.2	327.8	480.4
-42.5°	8.7	8.7	12.9	19.7	37.9	66.7	100.6	145.2	209.4	314.2	456.6
-45°	8.7	8.7	12.3	19.8	38.1	66.3	100.1	142.1	203.8	297.5	426.7
-47.5°	8.7	8.7	11.8	19.7	37.8	65.3	98.6	140.0	196.5	277.4	403.0
-50°	8.7	8.7	11.2	19.4	37.1	63.8	96.5	136.5	190.7	270.2	374.9
-52.5°	8.7	8.7	10.6	19.0	36.0	61.8	93.8	131.7	185.8	260.7	344.8
-55°	8.7	8.7	10.0	18.5	34.5	59.2	90.5	125.7	179.7	248.8	330.4
-57.5°	8.7	8.7	9.3	17.8	32.5	56.0	86.5	120.5	171.2	236.4	313.4
-60°	8.7	8.7	8.7	17.0	30.3	52.2	81.7	114.6	160.5	221.7	293.7
-62.5°	8.7	8.7	8.7	16.1	28.6	47.8	75.1	106.7	147.1	204.2	270.9
-65°	8.7	8.7	8.7	15.0	26.7	42.8	67.7	96.7	131.1	181.2	244.9
-67.5°	8.7	8.7	8.7	13.9	24.7	38.5	59.6	84.9	112.5	154.3	210.4
-70°	8.7	8.7	8.7	12.6	22.4	35.0	50.7	72.3	96.3	124.4	170.1
-72.5°	8.7	8.7	8.7	12.3	20.0	31.2	44.8	59.2	79.5	103.2	130.2
-75°	8.7	8.7	8.7	12.2	17.4	27.1	39.0	49.9	61.9	81.3	103.5
-77.5°	8.7	8.7	8.7	12.1	16.5	22.9	32.9	41.9	51.3	61.6	75.9
-80°	8.7	8.7	8.7	11.9	15.9	20.6	26.6	33.8	41.4	49.6	58.4
-82.5°	8.7	8.7	8.7	11.7	15.2	19.4	24.0	27.4	31.2	37.4	44.1
-85°	8.7	8.7	8.7	11.4	14.6	18.1	21.9	24.9	27.8	30.7	33.6
-87.5°	8.7	8.7	8.7	11.2	13.8	16.7	19.7	22.3	24.8	27.4	29.9
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	6.5	4.3	2.2	0.0



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CATALOG NUMBER: GFLD-SA6D-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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	28.4	30.6	32.8
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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.6	2.3	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.7	4.6	2.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.9	2.5	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.8	0.1	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.4	2.5	2.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.9	5.3	3.6	1.4	0.0	0.5	1.3	0.9	0.0	0.4	1.1
67.5°	8.1	6.0	3.9	2.5	3.3	4.4	4.1	4.4	4.7	5.2	4.4
65°	8.5	6.4	6.5	7.6	8.5	9.4	10.2	10.8	9.0	7.8	8.0
62.5°	9.1	9.8	11.3	12.7	14.0	15.2	15.3	13.6	10.3	12.9	14.8
60°	13.0	14.3	16.1	17.9	19.6	20.5	19.6	19.8	22.0	25.6	49.1
57.5°	17.5	18.7	20.9	23.6	26.0	26.4	27.2	29.6	69.3	113.2	125.1
55°	22.1	23.0	26.7	31.0	33.6	33.4	48.0	101.1	152.7	211.5	233.2
52.5°	26.6	28.5	34.8	40.0	43.3	67.5	121.6	193.7	269.8	337.3	424.6
50°	31.1	37.4	43.9	51.6	82.3	145.3	224.5	323.0	437.6	545.5	656.1
47.5°	38.9	46.8	56.8	81.4	162.3	249.8	359.2	517.7	659.1	789.8	941.4
45°	48.1	64.7	75.7	161.2	255.2	368.1	553.4	747.2	875.5	1050.3	1318.5
42.5°	57.6	89.5	144.6	243.5	358.1	540.1	769.8	935.0	1105.7	1389.1	1671.1
40°	82.9	120.0	218.1	335.8	480.9	746.4	982.2	1169.2	1402.2	1716.4	2011.0
37.5°	113.6	183.2	293.1	434.3	673.7	964.6	1217.2	1484.3	1752.2	2048.5	2594.7
35°	147.8	241.9	388.1	578.6	866.6	1206.6	1507.8	1806.2	2115.0	2698.4	3240.3
32.5°	192.3	295.9	487.5	746.3	1075.0	1448.4	1797.9	2142.9	2638.2	3298.3	3842.2
30°	240.2	382.6	601.8	901.6	1271.3	1669.8	2090.0	2507.7	3163.2	3709.4	4299.9
27.5°	290.2	474.3	735.9	1063.9	1455.2	1878.7	2352.9	2948.8	3533.5	4073.2	4722.1
25°	341.6	569.8	858.5	1219.0	1636.0	2104.5	2650.0	3375.8	3833.1	4429.6	5106.5
22.5°	407.7	661.1	979.9	1359.6	1803.6	2336.4	3032.2	3761.0	4299.2	4800.9	5462.2
20°	484.1	763.9	1111.9	1535.8	1967.8	2563.1	3412.2	4178.7	4811.8	5386.3	5993.7
17.5°	555.5	860.0	1253.2	1715.8	2206.7	2853.6	3785.1	4633.4	5330.2	5970.3	6728.6
15°	621.5	948.9	1391.5	1886.0	2441.6	3186.2	4119.5	5051.1	5846.8	6567.1	7428.7
12.5°	681.9	1030.1	1524.8	2045.4	2662.7	3473.1	4400.3	5309.7	6184.1	7122.7	8100.6
10°	736.2	1103.1	1650.7	2192.5	2867.7	3715.6	4632.3	5525.2	6407.5	7400.7	8487.2
7.5°	794.7	1171.5	1765.0	2326.2	3054.3	3916.0	4817.6	5698.2	6587.9	7623.1	8738.5
5°	848.6	1234.2	1855.8	2422.0	3198.4	4072.4	4957.1	5829.5	6724.9	7788.8	8928.8
2.5°	896.0	1287.1	1929.8	2497.2	3305.3	4187.5	5047.6	5939.0	6826.6	7923.4	9074.0
0°	936.2	1329.9	1986.2	2554.9	3386.1	4269.8	5101.0	6011.0	6886.0	8014.7	9169.6
-2.5°	962.0	1400.1	2024.9	2655.5	3456.7	4323.8	5148.7	6031.1	6950.0	8043.6	9276.8
-5°	980.0	1457.0	2048.3	2733.1	3502.8	4347.5	5164.4	6015.5	6967.0	8036.3	9292.7
-7.5°	990.6	1497.2	2059.2	2777.2	3519.1	4333.3	5137.9	5985.9	6939.0	8008.7	9223.2
-10°	996.7	1509.8	2074.0	2763.9	3497.7	4286.4	5078.7	5916.4	6859.7	7919.3	9091.2
-12.5°	1013.1	1501.8	2071.5	2734.5	3451.7	4215.5	4990.9	5806.3	6727.4	7766.6	8908.7
-15°	1017.2	1483.7	2046.6	2691.2	3381.4	4122.8	4876.0	5655.5	6564.3	7617.9	8706.9
-17.5°	1008.0	1456.5	1998.1	2635.9	3287.2	4010.4	4740.7	5519.6	6411.4	7446.4	8494.9
-20°	984.6	1421.2	1924.9	2570.6	3175.4	3885.6	4605.2	5377.0	6235.5	7208.4	8257.8



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	946.3	1378.6	1845.7	2479.6	3078.9	3742.2	4446.4	5182.7	6015.1	6899.8	7938.9
-25°	906.7	1330.4	1783.3	2354.4	2962.7	3574.8	4263.9	4945.2	5756.3	6625.1	7547.2
-27.5°	869.1	1263.2	1718.4	2217.3	2826.0	3396.0	4057.5	4722.1	5465.1	6316.6	7165.7
-30°	820.0	1190.5	1639.2	2085.5	2662.6	3227.6	3827.4	4481.5	5149.6	5957.7	6793.0
-32.5°	776.6	1115.1	1549.0	1985.0	2486.9	3038.0	3579.3	4202.7	4854.7	5543.6	6369.1
-35°	747.6	1070.4	1453.5	1869.1	2307.6	2831.8	3346.6	3888.2	4519.7	5166.2	5891.0
-37.5°	724.1	1019.0	1352.9	1748.2	2165.6	2615.4	3097.4	3595.7	4146.7	4798.5	5480.0
-40°	687.1	961.2	1278.3	1632.9	2001.2	2410.3	2857.7	3308.8	3786.4	4423.1	5095.5
-42.5°	639.8	905.2	1208.0	1507.5	1844.0	2217.4	2615.1	3039.9	3499.0	4052.0	4670.0
-45°	603.4	833.7	1129.9	1398.1	1676.7	2018.2	2391.7	2776.5	3209.5	3684.3	4239.4
-47.5°	557.1	755.9	1027.8	1278.4	1523.8	1815.4	2156.9	2521.1	2904.6	3332.5	3787.5
-50°	507.6	691.0	902.8	1146.9	1380.8	1623.3	1914.6	2251.4	2599.4	2972.4	3378.3
-52.5°	470.0	615.1	808.5	1011.6	1234.6	1454.5	1702.5	1991.3	2302.1	2613.7	2970.8
-55°	427.5	559.2	718.6	900.7	1090.6	1294.1	1519.9	1772.9	2026.2	2312.5	2597.4
-57.5°	397.6	505.4	643.6	801.8	972.4	1145.3	1358.5	1572.3	1806.9	2043.8	2280.2
-60°	374.3	459.0	573.6	712.9	865.0	1026.7	1201.6	1399.1	1601.0	1794.4	1998.7
-62.5°	347.6	421.3	510.8	624.5	761.9	902.5	1056.5	1225.8	1408.5	1571.3	1729.7
-65°	313.0	377.0	453.9	546.4	654.3	773.2	904.4	1047.1	1205.0	1337.1	1466.5
-67.5°	273.3	327.2	391.7	467.2	557.2	650.0	746.3	867.0	995.2	1103.0	1208.4
-70°	223.3	273.3	325.9	387.5	458.0	536.7	621.5	709.0	796.8	884.9	981.3
-72.5°	171.0	216.4	261.1	305.0	361.2	425.6	494.7	568.2	644.8	720.1	793.4
-75°	130.3	159.8	198.9	238.5	277.5	319.4	366.2	424.6	495.8	568.8	635.8
-77.5°	98.4	123.1	149.2	176.4	201.0	232.0	265.7	302.0	360.8	428.2	496.3
-80°	71.0	85.8	106.5	128.4	145.7	162.8	180.5	198.9	242.6	297.0	354.9
-82.5°	52.7	62.8	74.3	87.0	95.8	104.2	113.7	125.9	158.3	195.0	233.7
-85°	36.3	39.3	45.4	52.5	57.4	62.4	67.4	72.6	90.1	109.7	130.7
-87.5°	31.3	32.8	34.4	36.2	36.9	37.4	38.0	38.6	44.5	50.6	57.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	35.0	37.2	39.4	41.5	43.7	45.9	48.1	50.3	52.5	52.5	52.5
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°	0.7	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4.0	4.4	4.5	3.6	1.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	9.2	8.8	6.5	4.2	2.1	3.3	5.3	6.3	6.4	5.7	4.4
62.5°	13.8	12.7	11.5	13.3	15.9	18.4	17.6	16.7	15.5	14.8	15.3
60°	51.7	34.5	39.8	50.1	46.8	32.0	52.7	59.6	50.8	34.7	33.6
57.5°	131.1	126.5	145.0	211.8	233.1	212.4	253.8	308.2	306.5	264.0	262.6
55°	279.4	374.9	490.2	508.8	589.0	749.8	874.9	820.1	819.7	861.0	993.9
52.5°	530.7	620.9	654.4	743.9	911.6	1033.3	1111.5	1192.4	1281.1	1371.5	1463.3
50°	778.9	866.4	965.7	1057.4	1289.5	1414.3	1393.5	1561.1	1775.7	1909.6	1978.5
47.5°	1142.5	1280.3	1490.3	1819.2	1992.4	2117.6	2273.3	2463.2	2709.0	3042.3	3299.1
45°	1570.6	1787.4	2112.2	2461.7	2730.4	2852.8	3031.0	3325.0	3717.0	4098.5	4377.2
42.5°	1920.5	2218.0	2584.4	2918.2	3137.4	3338.5	3569.2	3817.2	4266.1	4673.6	4995.7
40°	2377.2	2608.9	3019.9	3334.6	3530.8	3730.2	4095.8	4466.9	4889.1	5268.8	5532.7
37.5°	2955.9	3216.7	3644.3	4000.1	4189.1	4259.6	4881.3	5398.0	5741.0	6225.8	6384.3
35°	3577.7	4006.9	4551.7	5013.2	5198.4	5568.2	6208.7	6929.6	7710.6	7997.9	8242.8
32.5°	4271.4	4800.9	5540.1	6035.4	6299.7	6860.9	7671.4	8440.9	9462.3	10016.6	10182.3
30°	4906.0	5513.6	6149.0	6630.4	7082.3	7758.2	8497.4	9446.1	10390.5	11099.2	11319.3
27.5°	5371.7	6044.0	6654.9	7105.6	7615.7	8344.3	9266.0	10226.8	11153.8	11876.8	12133.8
25°	5816.3	6576.2	7059.8	7583.9	8182.8	8977.0	9998.3	11065.8	11978.9	12590.0	12905.1
22.5°	6321.9	7071.2	7590.4	8034.3	8817.4	9732.4	10680.5	11886.8	12854.2	13341.8	13683.4
20°	6843.8	7691.6	8493.5	8906.5	9584.0	10742.6	11803.9	12942.8	13876.9	14385.1	14744.9
17.5°	7572.0	8652.3	9635.9	10220.7	10946.2	12331.6	13655.9	14807.9	16107.5	16566.4	17006.2
15°	8339.8	9590.2	10742.4	11668.9	12606.1	13978.7	15683.4	17073.6	18556.4	19218.7	19967.3
12.5°	9105.2	10288.4	11332.3	12527.5	13848.4	15062.5	16685.5	18416.7	19762.2	20606.7	21110.8
10°	9677.3	10776.2	11780.8	12978.8	14297.2	15670.6	17283.4	19058.0	20466.5	21187.2	21598.5
7.5°	9986.2	11038.0	12097.6	13311.6	14624.0	16086.8	17748.5	19509.1	20949.3	21647.6	22053.8
5°	10215.6	11225.7	12322.9	13600.8	14927.9	16411.1	18070.5	19810.1	21123.3	21865.4	22379.0
2.5°	10354.3	11344.6	12466.4	13787.7	15118.0	16662.9	18402.4	20205.6	21354.7	21951.7	22424.0
0°	10394.6	11392.0	12547.0	13885.7	15250.6	16808.0	18531.7	20316.6	21480.3	22057.8	22539.0
-2.5°	10439.9	11466.9	12653.5	13949.2	15302.5	16855.5	18615.0	20354.2	21401.1	21983.8	22441.6
-5°	10408.3	11472.6	12655.7	13896.6	15258.9	16799.5	18488.6	20114.8	21209.9	21839.9	22295.1
-7.5°	10314.1	11393.6	12564.4	13757.0	15093.3	16651.5	18333.4	19899.4	21008.7	21673.1	22171.2
-10°	10177.0	11225.0	12403.9	13611.8	14932.1	16415.3	18071.3	19627.9	20689.7	21395.1	21975.6
-12.5°	10025.1	11051.4	12187.7	13346.3	14652.2	16117.0	17721.5	19195.0	20250.5	21019.9	21434.7
-15°	9800.1	10825.8	11912.1	13032.7	14305.5	15726.6	17259.4	18673.1	19709.4	20335.5	20794.0
-17.5°	9513.8	10520.2	11550.1	12613.0	13812.1	15211.6	16753.7	18147.9	18992.8	19551.9	20002.5
-20°	9207.1	10137.8	11113.5	12116.5	13278.7	14665.1	16179.6	17395.7	18192.0	18729.3	19154.7



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	8856.9	9753.1	10646.3	11605.1	12744.7	14015.7	15353.4	16528.6	17384.8	17874.1	18267.3
-25°	8457.1	9328.9	10177.1	11103.1	12150.5	13293.0	14536.8	15691.7	16458.4	16978.3	17368.1
-27.5°	8026.5	8845.5	9674.1	10505.7	11447.3	12585.6	13737.5	14810.4	15464.9	15988.8	16381.1
-30°	7596.7	8333.4	9100.0	9887.2	10771.0	11797.3	12874.9	13777.0	14467.3	14976.3	15340.4
-32.5°	7131.0	7830.1	8509.2	9245.0	10077.0	10981.6	11927.2	12785.4	13523.0	13989.2	14296.1
-35°	6653.9	7330.7	7952.3	8620.1	9354.0	10134.6	11007.5	11853.9	12582.3	12951.2	13250.3
-37.5°	6157.0	6831.8	7421.1	7979.1	8611.3	9334.2	10184.4	10992.0	11621.3	11938.4	12207.9
-40°	5724.9	6319.0	6849.5	7383.4	7897.4	8539.3	9332.7	10114.6	10619.5	10928.5	11179.0
-42.5°	5305.5	5806.6	6241.0	6719.6	7234.1	7867.0	8507.1	9162.7	9568.5	9911.5	10175.3
-45°	4816.9	5264.9	5672.2	6070.3	6539.4	7117.3	7698.8	8223.9	8604.0	8935.5	9192.4
-47.5°	4276.7	4709.1	5104.7	5460.5	5896.6	6378.5	6868.1	7305.1	7680.5	8008.1	8237.2
-50°	3773.2	4159.5	4545.7	4905.9	5283.7	5673.6	6070.8	6454.3	6810.6	7128.9	7324.0
-52.5°	3322.1	3678.6	4016.1	4331.0	4661.7	4991.1	5320.0	5671.2	5999.1	6300.3	6456.1
-55°	2913.9	3235.4	3540.0	3805.2	4070.5	4331.8	4613.8	4938.0	5239.9	5519.0	5630.8
-57.5°	2547.5	2822.6	3092.2	3316.5	3533.1	3741.0	3988.5	4262.2	4526.4	4765.6	4857.0
-60°	2210.6	2428.8	2654.2	2853.3	3042.0	3220.2	3436.1	3656.5	3870.8	4051.1	4129.0
-62.5°	1900.5	2087.3	2258.1	2419.8	2579.7	2740.1	2914.3	3089.2	3262.3	3401.2	3471.5
-65°	1601.7	1750.3	1887.6	2020.6	2149.7	2284.5	2420.9	2553.8	2681.9	2781.2	2842.1
-67.5°	1321.1	1434.2	1543.1	1646.7	1754.7	1864.0	1970.7	2072.5	2168.7	2245.4	2303.7
-70°	1072.5	1159.9	1245.2	1331.0	1421.1	1506.1	1586.4	1662.5	1734.2	1789.5	1834.3
-72.5°	864.5	935.5	1009.1	1086.4	1159.2	1222.7	1280.4	1336.1	1389.3	1420.6	1444.0
-75°	696.9	756.7	820.7	883.3	944.1	992.4	1034.8	1075.8	1115.2	1117.3	1109.5
-77.5°	563.1	616.4	666.0	715.1	763.7	793.4	819.4	846.1	873.1	857.5	832.8
-80°	413.2	457.7	499.8	542.0	584.3	601.9	614.2	624.9	633.9	613.4	588.2
-82.5°	274.2	302.2	329.6	357.4	385.6	396.9	405.3	412.3	417.8	399.3	378.0
-85°	153.0	166.4	179.7	193.0	206.4	214.3	221.5	228.1	234.2	223.2	210.7
-87.5°	63.6	66.7	69.6	72.5	75.4	78.2	81.0	83.7	86.3	86.7	87.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	50.3
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°	0.0	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°	2.6	0.4	0.0	0.0	0.0	0.4	2.6	4.4	5.7	6.4	6.3
62.5°	16.0	16.7	17.3	17.5	17.3	16.7	16.0	15.3	14.8	15.5	16.7
60°	30.9	27.0	26.1	26.2	26.1	27.0	30.9	33.6	34.7	50.8	59.6
57.5°	242.5	207.6	212.8	236.2	212.8	207.6	242.5	262.6	264.0	306.5	308.2
55°	1133.5	1265.3	1311.9	1286.2	1311.9	1265.3	1133.5	993.9	861.0	819.7	820.1
52.5°	1535.8	1589.8	1610.7	1609.9	1610.7	1589.8	1535.8	1463.3	1371.5	1281.1	1192.4
50°	1999.3	1981.0	1952.9	1924.9	1952.9	1981.0	1999.3	1978.5	1909.6	1775.7	1561.1
47.5°	3336.7	3278.9	3254.5	3298.6	3254.5	3278.9	3336.7	3299.1	3042.3	2709.0	2463.2
45°	4434.0	4501.8	4552.4	4549.8	4552.4	4501.8	4434.0	4377.2	4098.5	3717.0	3325.0
42.5°	5058.9	5094.9	5105.4	5092.3	5105.4	5094.9	5058.9	4995.7	4673.6	4266.1	3817.2
40°	5615.7	5658.7	5682.9	5704.8	5682.9	5658.7	5615.7	5532.7	5268.8	4889.1	4466.9
37.5°	6436.6	6452.4	6418.0	6396.0	6418.0	6452.4	6436.6	6384.3	6225.8	5741.0	5398.0
35°	8449.3	8490.5	8395.0	8495.9	8395.0	8490.5	8449.3	8242.8	7997.9	7710.6	6929.6
32.5°	10379.6	10572.8	10729.0	10858.3	10729.0	10572.8	10379.6	10182.3	10016.6	9462.3	8440.9
30°	11473.0	11597.6	11664.5	11680.7	11664.5	11597.6	11473.0	11319.3	11099.2	10390.5	9446.1
27.5°	12275.8	12406.4	12487.7	12547.0	12487.7	12406.4	12275.8	12133.8	11876.8	11153.8	10226.8
25°	13049.5	13169.0	13250.3	13281.9	13250.3	13169.0	13049.5	12905.1	12590.0	11978.9	11065.8
22.5°	13852.4	13935.4	14013.5	14051.9	14013.5	13935.4	13852.4	13683.4	13341.8	12854.2	11886.8
20°	15003.4	14958.3	15029.5	15005.6	15029.5	14958.3	15003.4	14744.9	14385.1	13876.9	12942.8
17.5°	17349.0	17373.4	17421.0	17499.3	17421.0	17373.4	17349.0	17006.2	16566.4	16107.5	14807.9
15°	20298.9	20358.3	20660.0	20929.1	20660.0	20358.3	20298.9	19967.3	19218.7	18556.4	17073.6
12.5°	21578.5	21783.9	21815.8	21891.6	21815.8	21783.9	21578.5	21110.8	20606.7	19762.2	18416.7
10°	22005.5	22361.2	22353.5	22442.8	22353.5	22361.2	22005.5	21598.5	21187.2	20466.5	19058.0
7.5°	22329.4	22711.4	22872.8	22941.5	22872.8	22711.4	22329.4	22053.8	21647.6	20949.3	19509.1
5°	22725.0	22935.1	23213.7	23134.0	23213.7	22935.1	22725.0	22379.0	21865.4	21123.3	19810.1
2.5°	22890.8	23219.9	23143.9	23221.5	23143.9	23219.9	22890.8	22424.0	21951.7	21354.7	20205.6
0°	23002.8	23239.0	23274.0	23352.8	23274.0	23239.0	23002.8	22539.0	22057.8	21480.3	20316.6
-2.5°	22867.1	23075.0	23439.0	23326.5	23439.0	23075.0	22867.1	22441.6	21983.8	21401.1	20354.2
-5°	22748.1	23259.9	23061.1	23309.0	23061.1	23259.9	22748.1	22295.1	21839.9	21209.9	20114.8
-7.5°	22686.7	22778.2	22910.1	23099.0	22910.1	22778.2	22686.7	22171.2	21673.1	21008.7	19899.4
-10°	22211.8	22305.4	22547.7	22679.0	22547.7	22305.4	22211.8	21975.6	21395.1	20689.7	19627.9
-12.5°	21696.8	21878.0	22132.5	22215.3	22132.5	21878.0	21696.8	21434.7	21019.9	20250.5	19195.0
-15°	21103.5	21372.6	21620.7	21672.8	21620.7	21372.6	21103.5	20794.0	20335.5	19709.4	18673.1
-17.5°	20349.0	20671.8	20932.5	20990.4	20932.5	20671.8	20349.0	20002.5	19551.9	18992.8	18147.9
-20°	19517.7	19826.8	20048.6	20115.4	20048.6	19826.8	19517.7	19154.7	18729.3	18192.0	17395.7



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	18627.7	18906.0	19093.4	19065.4	19093.4	18906.0	18627.7	18267.3	17874.1	17384.8	16528.6
-25°	17682.7	17941.1	18119.7	18094.2	18119.7	17941.1	17682.7	17368.1	16978.3	16458.4	15691.7
-27.5°	16683.8	16928.5	17100.1	17105.5	17100.1	16928.5	16683.8	16381.1	15988.8	15464.9	14810.4
-30°	15634.0	15856.3	15995.7	15941.8	15995.7	15856.3	15634.0	15340.4	14976.3	14467.3	13777.0
-32.5°	14551.3	14752.3	14880.1	14918.1	14880.1	14752.3	14551.3	14296.1	13989.2	13523.0	12785.4
-35°	13483.4	13660.6	13770.9	13798.2	13770.9	13660.6	13483.4	13250.3	12951.2	12582.3	11853.9
-37.5°	12422.3	12574.8	12651.9	12617.0	12651.9	12574.8	12422.3	12207.9	11938.4	11621.3	10992.0
-40°	11373.8	11519.0	11607.3	11628.3	11607.3	11519.0	11373.8	11179.0	10928.5	10619.5	10114.6
-42.5°	10342.9	10463.6	10541.1	10578.3	10541.1	10463.6	10342.9	10175.3	9911.5	9568.5	9162.7
-45°	9342.3	9450.3	9523.0	9563.3	9523.0	9450.3	9342.3	9192.4	8935.5	8604.0	8223.9
-47.5°	8368.9	8463.5	8526.2	8557.1	8526.2	8463.5	8368.9	8237.2	8008.1	7680.5	7305.1
-50°	7438.1	7520.0	7578.5	7612.2	7578.5	7520.0	7438.1	7324.0	7128.9	6810.6	6454.3
-52.5°	6555.3	6626.9	6676.7	6702.2	6676.7	6626.9	6555.3	6456.1	6300.3	5999.1	5671.2
-55°	5712.3	5770.4	5816.5	5844.7	5816.5	5770.4	5712.3	5630.8	5519.0	5239.9	4938.0
-57.5°	4926.3	4973.7	5017.4	5048.5	5017.4	4973.7	4926.3	4857.0	4765.6	4526.4	4262.2
-60°	4190.5	4235.2	4272.4	4296.1	4272.4	4235.2	4190.5	4129.0	4051.1	3870.8	3656.5
-62.5°	3526.4	3566.1	3600.1	3622.3	3600.1	3566.1	3526.4	3471.5	3401.2	3262.3	3089.2
-65°	2890.0	2925.5	2950.9	2966.1	2950.9	2925.5	2890.0	2842.1	2781.2	2681.9	2553.8
-67.5°	2353.4	2394.3	2402.5	2397.4	2402.5	2394.3	2353.4	2303.7	2245.4	2168.7	2072.5
-70°	1874.4	1909.1	1917.3	1916.2	1917.3	1909.1	1874.4	1834.3	1789.5	1734.2	1662.5
-72.5°	1465.7	1484.6	1468.5	1443.7	1468.5	1484.6	1465.7	1444.0	1420.6	1389.3	1336.1
-75°	1099.8	1087.7	1070.8	1050.0	1070.8	1087.7	1099.8	1109.5	1117.3	1115.2	1075.8
-77.5°	805.5	775.7	756.2	735.0	756.2	775.7	805.5	832.8	857.5	873.1	846.1
-80°	560.8	531.6	511.4	490.0	511.4	531.6	560.8	588.2	613.4	633.9	624.9
-82.5°	355.3	331.2	319.0	306.2	319.0	331.2	355.3	378.0	399.3	417.8	412.3
-85°	197.3	183.1	174.8	166.2	174.8	183.1	197.3	210.7	223.2	234.2	228.1
-87.5°	87.2	87.4	83.1	78.7	83.1	87.4	87.2	87.0	86.7	86.3	83.7
-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: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	48.1	45.9	43.7	41.5	39.4	37.2	35.0	32.8	30.6	28.4	26.2
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	0.3	0.2	0.0	0.0	0.7	1.1	0.4	0.0	0.9
67.5°	0.0	0.0	1.5	3.6	4.5	4.4	4.0	4.4	5.2	4.7	4.4
65°	5.3	3.3	2.1	4.2	6.5	8.8	9.2	8.0	7.8	9.0	10.8
62.5°	17.6	18.4	15.9	13.3	11.5	12.7	13.8	14.8	12.9	10.3	13.6
60°	52.7	32.0	46.8	50.1	39.8	34.5	51.7	49.1	25.6	22.0	19.8
57.5°	253.8	212.4	233.1	211.8	145.0	126.5	131.1	125.1	113.2	69.3	29.6
55°	874.9	749.8	589.0	508.8	490.2	374.9	279.4	233.2	211.5	152.7	101.1
52.5°	1111.5	1033.3	911.6	743.9	654.4	620.9	530.7	424.6	337.3	269.8	193.7
50°	1393.5	1414.3	1289.5	1057.4	965.7	866.4	778.9	656.1	545.5	437.6	323.0
47.5°	2273.3	2117.6	1992.4	1819.2	1490.3	1280.3	1142.5	941.4	789.8	659.1	517.7
45°	3031.0	2852.8	2730.4	2461.7	2112.2	1787.4	1570.6	1318.5	1050.3	875.5	747.2
42.5°	3569.2	3338.5	3137.4	2918.2	2584.4	2218.0	1920.5	1671.1	1389.1	1105.7	935.0
40°	4095.8	3730.2	3530.8	3334.6	3019.9	2608.9	2377.2	2011.0	1716.4	1402.2	1169.2
37.5°	4881.3	4259.6	4189.1	4000.1	3644.3	3216.7	2955.9	2594.7	2048.5	1752.2	1484.3
35°	6208.7	5568.2	5198.4	5013.2	4551.7	4006.9	3577.7	3240.3	2698.4	2115.0	1806.2
32.5°	7671.4	6860.9	6299.7	6035.4	5540.1	4800.9	4271.4	3842.2	3298.3	2638.2	2142.9
30°	8497.4	7758.2	7082.3	6630.4	6149.0	5513.6	4906.0	4299.9	3709.4	3163.2	2507.7
27.5°	9266.0	8344.3	7615.7	7105.6	6654.9	6044.0	5371.7	4722.1	4073.2	3533.5	2948.8
25°	9998.3	8977.0	8182.8	7583.9	7059.8	6576.2	5816.3	5106.5	4429.6	3833.1	3375.8
22.5°	10680.5	9732.4	8817.4	8034.3	7590.4	7071.2	6321.9	5462.2	4800.9	4299.2	3761.0
20°	11803.9	10742.6	9584.0	8906.5	8493.5	7691.6	6843.8	5993.7	5386.3	4811.8	4178.7
17.5°	13655.9	12331.6	10946.2	10220.7	9635.9	8652.3	7572.0	6728.6	5970.3	5330.2	4633.4
15°	15683.4	13978.7	12606.1	11668.9	10742.4	9590.2	8339.8	7428.7	6567.1	5846.8	5051.1
12.5°	16685.5	15062.5	13848.4	12527.5	11332.3	10288.4	9105.2	8100.6	7122.7	6184.1	5309.7
10°	17283.4	15670.6	14297.2	12978.8	11780.8	10776.2	9677.3	8487.2	7400.7	6407.5	5525.2
7.5°	17748.5	16086.8	14624.0	13311.6	12097.6	11038.0	9986.2	8738.5	7623.1	6587.9	5698.2
5°	18070.5	16411.1	14927.9	13600.8	12322.9	11225.7	10215.6	8928.8	7788.8	6724.9	5829.5
2.5°	18402.4	16662.9	15118.0	13787.7	12466.4	11344.6	10354.3	9074.0	7923.4	6826.6	5939.0
0°	18531.7	16808.0	15250.6	13885.7	12547.0	11392.0	10394.6	9169.6	8014.7	6886.0	6011.0
-2.5°	18615.0	16855.5	15302.5	13949.2	12653.5	11466.9	10439.9	9276.8	8043.6	6950.0	6031.1
-5°	18488.6	16799.5	15258.9	13896.6	12655.7	11472.6	10408.3	9292.7	8036.3	6967.0	6015.5
-7.5°	18333.4	16651.5	15093.3	13757.0	12564.4	11393.6	10314.1	9223.2	8008.7	6939.0	5985.9
-10°	18071.3	16415.3	14932.1	13611.8	12403.9	11225.0	10177.0	9091.2	7919.3	6859.7	5916.4
-12.5°	17721.5	16117.0	14652.2	13346.3	12187.7	11051.4	10025.1	8908.7	7766.6	6727.4	5806.3
-15°	17259.4	15726.6	14305.5	13032.7	11912.1	10825.8	9800.1	8706.9	7617.9	6564.3	5655.5
-17.5°	16753.7	15211.6	13812.1	12613.0	11550.1	10520.2	9513.8	8494.9	7446.4	6411.4	5519.6
-20°	16179.6	14665.1	13278.7	12116.5	11113.5	10137.8	9207.1	8257.8	7208.4	6235.5	5377.0



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	15353.4	14015.7	12744.7	11605.1	10646.3	9753.1	8856.9	7938.9	6899.8	6015.1	5182.7
-25°	14536.8	13293.0	12150.5	11103.1	10177.1	9328.9	8457.1	7547.2	6625.1	5756.3	4945.2
-27.5°	13737.5	12585.6	11447.3	10505.7	9674.1	8845.5	8026.5	7165.7	6316.6	5465.1	4722.1
-30°	12874.9	11797.3	10771.0	9887.2	9100.0	8333.4	7596.7	6793.0	5957.7	5149.6	4481.5
-32.5°	11927.2	10981.6	10077.0	9245.0	8509.2	7830.1	7131.0	6369.1	5543.6	4854.7	4202.7
-35°	11007.5	10134.6	9354.0	8620.1	7952.3	7330.7	6653.9	5891.0	5166.2	4519.7	3888.2
-37.5°	10184.4	9334.2	8611.3	7979.1	7421.1	6831.8	6157.0	5480.0	4798.5	4146.7	3595.7
-40°	9332.7	8539.3	7897.4	7383.4	6849.5	6319.0	5724.9	5095.5	4423.1	3786.4	3308.8
-42.5°	8507.1	7867.0	7234.1	6719.6	6241.0	5806.6	5305.5	4670.0	4052.0	3499.0	3039.9
-45°	7698.8	7117.3	6539.4	6070.3	5672.2	5264.9	4816.9	4239.4	3684.3	3209.5	2776.5
-47.5°	6868.1	6378.5	5896.6	5460.5	5104.7	4709.1	4276.7	3787.5	3332.5	2904.6	2521.1
-50°	6070.8	5673.6	5283.7	4905.9	4545.7	4159.5	3773.2	3378.3	2972.4	2599.4	2251.4
-52.5°	5320.0	4991.1	4661.7	4331.0	4016.1	3678.6	3322.1	2970.8	2613.7	2302.1	1991.3
-55°	4613.8	4331.8	4070.5	3805.2	3540.0	3235.4	2913.9	2597.4	2312.5	2026.2	1772.9
-57.5°	3988.5	3741.0	3533.1	3316.5	3092.2	2822.6	2547.5	2280.2	2043.8	1806.9	1572.3
-60°	3436.1	3220.2	3042.0	2853.3	2654.2	2428.8	2210.6	1998.7	1794.4	1601.0	1399.1
-62.5°	2914.3	2740.1	2579.7	2419.8	2258.1	2087.3	1900.5	1729.7	1571.3	1408.5	1225.8
-65°	2420.9	2284.5	2149.7	2020.6	1887.6	1750.3	1601.7	1466.5	1337.1	1205.0	1047.1
-67.5°	1970.7	1864.0	1754.7	1646.7	1543.1	1434.2	1321.1	1208.4	1103.0	995.2	867.0
-70°	1586.4	1506.1	1421.1	1331.0	1245.2	1159.9	1072.5	981.3	884.9	796.8	709.0
-72.5°	1280.4	1222.7	1159.2	1086.4	1009.1	935.5	864.5	793.4	720.1	644.8	568.2
-75°	1034.8	992.4	944.1	883.3	820.7	756.7	696.9	635.8	568.8	495.8	424.6
-77.5°	819.4	793.4	763.7	715.1	666.0	616.4	563.1	496.3	428.2	360.8	302.0
-80°	614.2	601.9	584.3	542.0	499.8	457.7	413.2	354.9	297.0	242.6	198.9
-82.5°	405.3	396.9	385.6	357.4	329.6	302.2	274.2	233.7	195.0	158.3	125.9
-85°	221.5	214.3	206.4	193.0	179.7	166.4	153.0	130.7	109.7	90.1	72.6
-87.5°	81.0	78.2	75.4	72.5	69.6	66.7	63.6	57.0	50.6	44.5	38.6
-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: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	24.0	21.9	19.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	4.6
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	1.4	2.6
82.5°	0.0	0.0	0.0	0.1	1.4	2.3	2.6	2.3	1.3	0.2	0.7
80°	0.0	0.0	0.0	0.3	2.2	4.6	5.7	5.9	4.6	3.1	1.7
77.5°	0.0	0.0	0.0	0.1	0.9	2.5	4.9	7.9	7.8	6.1	4.3
75°	0.0	0.0	0.0	0.3	0.6	0.1	1.8	4.6	7.1	8.6	6.8
72.5°	0.0	0.0	0.0	1.1	2.3	2.5	1.4	1.5	5.0	7.4	8.6
70°	1.3	0.5	0.0	1.4	3.6	5.3	4.9	4.0	3.3	6.4	8.2
67.5°	4.1	4.4	3.3	2.5	3.9	6.0	8.1	7.8	6.8	5.7	8.0
65°	10.2	9.4	8.5	7.6	6.5	6.4	8.5	10.7	10.2	8.7	7.9
62.5°	15.3	15.2	14.0	12.7	11.3	9.8	9.1	12.0	13.2	11.8	9.8
60°	19.6	20.5	19.6	17.9	16.1	14.3	13.0	13.7	15.2	14.8	12.5
57.5°	27.2	26.4	26.0	23.6	20.9	18.7	17.5	17.1	17.5	17.3	15.1
55°	48.0	33.4	33.6	31.0	26.7	23.0	22.1	21.2	20.3	19.9	17.7
52.5°	121.6	67.5	43.3	40.0	34.8	28.5	26.6	25.4	24.0	22.8	20.2
50°	224.5	145.3	82.3	51.6	43.9	37.4	31.1	29.5	27.8	25.9	22.7
47.5°	359.2	249.8	162.3	81.4	56.8	46.8	38.9	33.6	31.5	29.2	25.2
45°	553.4	368.1	255.2	161.2	75.7	64.7	48.1	37.6	35.1	32.3	27.6
42.5°	769.8	540.1	358.1	243.5	144.6	89.5	57.6	45.7	38.7	35.5	30.2
40°	982.2	746.4	480.9	335.8	218.1	120.0	82.9	54.5	42.3	39.0	33.2
37.5°	1217.2	964.6	673.7	434.3	293.1	183.2	113.6	63.6	48.1	42.6	36.3
35°	1507.8	1206.6	866.6	578.6	388.1	241.9	147.8	80.9	59.2	46.5	39.5
32.5°	1797.9	1448.4	1075.0	746.3	487.5	295.9	192.3	115.5	72.1	50.5	42.8
30°	2090.0	1669.8	1271.3	901.6	601.8	382.6	240.2	149.1	86.9	54.6	46.1
27.5°	2352.9	1878.7	1455.2	1063.9	735.9	474.3	290.2	181.6	103.3	61.9	49.5
25°	2650.0	2104.5	1636.0	1219.0	858.5	569.8	341.6	213.5	127.2	74.6	52.9
22.5°	3032.2	2336.4	1803.6	1359.6	979.9	661.1	407.7	255.6	153.5	87.9	56.4
20°	3412.2	2563.1	1967.8	1535.8	1111.9	763.9	484.1	297.4	178.5	101.7	59.8
17.5°	3785.1	2853.6	2206.7	1715.8	1253.2	860.0	555.5	338.6	202.0	115.9	63.2
15°	4119.5	3186.2	2441.6	1886.0	1391.5	948.9	621.5	378.5	224.1	130.0	67.6
12.5°	4400.3	3473.1	2662.7	2045.4	1524.8	1030.1	681.9	416.8	244.5	145.8	73.7
10°	4632.3	3715.6	2867.7	2192.5	1650.7	1103.1	736.2	455.2	268.3	162.4	80.1
7.5°	4817.6	3916.0	3054.3	2326.2	1765.0	1171.5	794.7	495.6	291.5	178.3	86.6
5°	4957.1	4072.4	3198.4	2422.0	1855.8	1234.2	848.6	532.7	312.9	193.2	93.0
2.5°	5047.6	4187.5	3305.3	2497.2	1929.8	1287.1	896.0	566.1	332.5	206.7	99.2
0°	5101.0	4269.8	3386.1	2554.9	1986.2	1329.9	936.2	595.0	350.0	218.7	105.0
-2.5°	5148.7	4323.8	3456.7	2655.5	2024.9	1400.1	962.0	621.1	377.6	227.4	115.7
-5°	5164.4	4347.5	3502.8	2733.1	2048.3	1457.0	980.0	642.4	401.8	234.4	125.5
-7.5°	5137.9	4333.3	3519.1	2777.2	2059.2	1497.2	990.6	659.1	421.6	239.8	134.0
-10°	5078.7	4286.4	3497.7	2763.9	2074.0	1509.8	996.7	671.3	435.9	243.9	141.1
-12.5°	4990.9	4215.5	3451.7	2734.5	2071.5	1501.8	1013.1	680.9	443.4	246.7	146.3
-15°	4876.0	4122.8	3381.4	2691.2	2046.6	1483.7	1017.2	684.4	442.6	251.8	149.5
-17.5°	4740.7	4010.4	3287.2	2635.9	1998.1	1456.5	1008.0	680.1	438.1	259.3	152.7
-20°	4605.2	3885.6	3175.4	2570.6	1924.9	1421.2	984.6	667.6	430.1	264.3	155.9

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	4446.4	3742.2	3078.9	2479.6	1845.7	1378.6	946.3	646.4	418.6	266.4	157.2
-25°	4263.9	3574.8	2962.7	2354.4	1783.3	1330.4	906.7	616.1	403.7	265.7	156.8
-27.5°	4057.5	3396.0	2826.0	2217.3	1718.4	1263.2	869.1	594.0	391.1	261.9	154.4
-30°	3827.4	3227.6	2662.6	2085.5	1639.2	1190.5	820.0	569.1	385.4	257.0	150.1
-32.5°	3579.3	3038.0	2486.9	1985.0	1549.0	1115.1	776.6	541.1	375.8	250.8	150.3
-35°	3346.6	2831.8	2307.6	1869.1	1453.5	1070.4	747.6	509.9	362.2	242.0	151.2
-37.5°	3097.4	2615.4	2165.6	1748.2	1352.9	1019.0	724.1	496.0	344.7	230.8	150.6
-40°	2857.7	2410.3	2001.2	1632.9	1278.3	961.2	687.1	480.4	327.8	217.2	148.6
-42.5°	2615.1	2217.4	1844.0	1507.5	1208.0	905.2	639.8	456.6	314.2	209.4	145.2
-45°	2391.7	2018.2	1676.7	1398.1	1129.9	833.7	603.4	426.7	297.5	203.8	142.1
-47.5°	2156.9	1815.4	1523.8	1278.4	1027.8	755.9	557.1	403.0	277.4	196.5	140.0
-50°	1914.6	1623.3	1380.8	1146.9	902.8	691.0	507.6	374.9	270.2	190.7	136.5
-52.5°	1702.5	1454.5	1234.6	1011.6	808.5	615.1	470.0	344.8	260.7	185.8	131.7
-55°	1519.9	1294.1	1090.6	900.7	718.6	559.2	427.5	330.4	248.8	179.7	125.7
-57.5°	1358.5	1145.3	972.4	801.8	643.6	505.4	397.6	313.4	236.4	171.2	120.5
-60°	1201.6	1026.7	865.0	712.9	573.6	459.0	374.3	293.7	221.7	160.5	114.6
-62.5°	1056.5	902.5	761.9	624.5	510.8	421.3	347.6	270.9	204.2	147.1	106.7
-65°	904.4	773.2	654.3	546.4	453.9	377.0	313.0	244.9	181.2	131.1	96.7
-67.5°	746.3	650.0	557.2	467.2	391.7	327.2	273.3	210.4	154.3	112.5	84.9
-70°	621.5	536.7	458.0	387.5	325.9	273.3	223.3	170.1	124.4	96.3	72.3
-72.5°	494.7	425.6	361.2	305.0	261.1	216.4	171.0	130.2	103.2	79.5	59.2
-75°	366.2	319.4	277.5	238.5	198.9	159.8	130.3	103.5	81.3	61.9	49.9
-77.5°	265.7	232.0	201.0	176.4	149.2	123.1	98.4	75.9	61.6	51.3	41.9
-80°	180.5	162.8	145.7	128.4	106.5	85.8	71.0	58.4	49.6	41.4	33.8
-82.5°	113.7	104.2	95.8	87.0	74.3	62.8	52.7	44.1	37.4	31.2	27.4
-85°	67.4	62.4	57.4	52.5	45.4	39.3	36.3	33.6	30.7	27.8	24.9
-87.5°	38.0	37.4	36.9	36.2	34.4	32.8	31.3	29.9	27.4	24.8	22.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.3	6.5

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REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	17.5	15.3	13.1	10.9	8.7	8.7	8.7
87.5°	6.5	7.3	7.9	8.4	8.7	8.7	8.7
85°	4.2	5.9	7.2	8.1	8.7	8.7	8.7
82.5°	2.0	4.5	6.5	7.9	8.7	8.7	8.7
80°	0.4	3.2	5.8	7.6	8.7	8.7	8.7
77.5°	2.7	2.9	5.1	7.4	8.7	8.7	8.7
75°	4.9	4.3	4.8	7.2	8.7	8.7	8.7
72.5°	7.0	5.6	5.5	7.0	8.7	8.7	8.7
70°	8.7	6.9	6.3	7.0	8.7	8.7	8.7
67.5°	9.0	8.1	6.9	7.3	8.7	8.7	8.7
65°	9.3	9.0	7.6	7.5	8.7	8.7	8.7
62.5°	9.8	9.7	8.2	7.8	8.7	8.7	8.7
60°	10.4	10.5	8.7	8.0	8.7	8.7	8.7
57.5°	12.4	11.3	9.5	8.2	8.8	8.7	8.7
55°	14.6	12.2	10.4	8.4	8.9	8.7	8.7
52.5°	16.8	13.4	11.3	8.6	9.1	8.7	8.7
50°	19.0	15.2	12.3	8.7	9.3	8.7	8.7
47.5°	21.1	16.9	13.3	8.9	9.5	8.7	8.7
45°	23.1	18.6	14.4	9.7	9.8	8.7	8.7
42.5°	25.1	20.3	15.5	10.5	10.0	8.7	8.7
40°	27.1	21.9	16.7	11.6	10.4	8.7	8.7
37.5°	29.0	23.5	18.0	12.8	10.7	8.7	8.7
35°	30.8	25.0	19.2	13.9	11.1	8.7	8.7
32.5°	32.8	26.5	20.3	15.0	11.5	8.7	8.7
30°	35.4	27.9	21.5	16.1	11.9	8.7	8.7
27.5°	38.0	29.2	22.8	17.2	12.4	8.7	8.7
25°	40.6	30.5	24.2	18.2	12.8	8.7	8.7
22.5°	43.2	31.9	25.5	19.2	13.3	8.7	8.7
20°	45.7	33.5	26.8	20.1	13.8	8.7	8.7
17.5°	48.2	35.0	28.0	21.0	14.3	8.7	8.7
15°	50.6	36.5	29.2	21.9	14.8	8.7	8.7
12.5°	52.9	37.9	30.3	22.7	15.3	8.7	8.7
10°	54.9	39.2	31.4	23.5	15.7	8.7	8.7
7.5°	56.8	40.4	32.4	24.3	16.2	8.7	8.7
5°	58.5	41.6	33.3	25.0	16.7	8.7	8.7
2.5°	59.9	42.7	34.2	25.6	17.1	8.7	8.7
0°	61.2	43.7	35.0	26.2	17.5	8.7	8.7
-2.5°	64.6	44.6	35.7	26.2	17.5	8.7	8.7
-5°	67.7	45.5	36.4	26.1	17.4	8.7	8.7
-7.5°	70.4	46.2	36.9	26.0	17.3	8.7	8.7
-10°	72.7	46.9	37.3	25.8	17.2	8.7	8.7
-12.5°	74.4	47.5	37.6	25.6	17.1	8.7	8.7
-15°	75.5	48.0	37.7	25.3	16.9	8.7	8.7
-17.5°	75.9	48.4	37.6	25.0	16.7	8.7	8.7
-20°	77.8	48.6	37.4	24.6	16.4	8.7	8.7

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REPORT NUMBER: P627930 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	82.8	48.8	36.9	24.2	16.2	8.7	8.7
-25°	87.0	52.1	36.3	23.7	15.8	8.7	8.7
-27.5°	90.1	56.1	35.4	23.2	15.5	8.7	8.7
-30°	92.3	59.6	34.5	22.7	15.1	8.7	8.7
-32.5°	93.5	62.5	35.8	22.1	14.7	8.7	8.7
-35°	96.0	64.8	36.7	21.5	14.3	8.7	8.7
-37.5°	98.6	66.2	37.3	20.8	13.9	8.7	8.7
-40°	100.1	66.7	37.6	20.1	13.4	8.7	8.7
-42.5°	100.6	66.7	37.9	19.7	12.9	8.7	8.7
-45°	100.1	66.3	38.1	19.8	12.3	8.7	8.7
-47.5°	98.6	65.3	37.8	19.7	11.8	8.7	8.7
-50°	96.5	63.8	37.1	19.4	11.2	8.7	8.7
-52.5°	93.8	61.8	36.0	19.0	10.6	8.7	8.7
-55°	90.5	59.2	34.5	18.5	10.0	8.7	8.7
-57.5°	86.5	56.0	32.5	17.8	9.3	8.7	8.7
-60°	81.7	52.2	30.3	17.0	8.7	8.7	8.7
-62.5°	75.1	47.8	28.6	16.1	8.7	8.7	8.7
-65°	67.7	42.8	26.7	15.0	8.7	8.7	8.7
-67.5°	59.6	38.5	24.7	13.9	8.7	8.7	8.7
-70°	50.7	35.0	22.4	12.6	8.7	8.7	8.7
-72.5°	44.8	31.2	20.0	12.3	8.7	8.7	8.7
-75°	39.0	27.1	17.4	12.2	8.7	8.7	8.7
-77.5°	32.9	22.9	16.5	12.1	8.7	8.7	8.7
-80°	26.6	20.6	15.9	11.9	8.7	8.7	8.7
-82.5°	24.0	19.4	15.2	11.7	8.7	8.7	8.7
-85°	21.9	18.1	14.6	11.4	8.7	8.7	8.7
-87.5°	19.7	16.7	13.8	11.2	8.7	8.7	8.7
-90°	8.7	8.7	8.7	8.7	8.7	8.7	8.7

(END OF REPORT)