

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: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-750-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627720 (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-SA5D-750-U-VWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

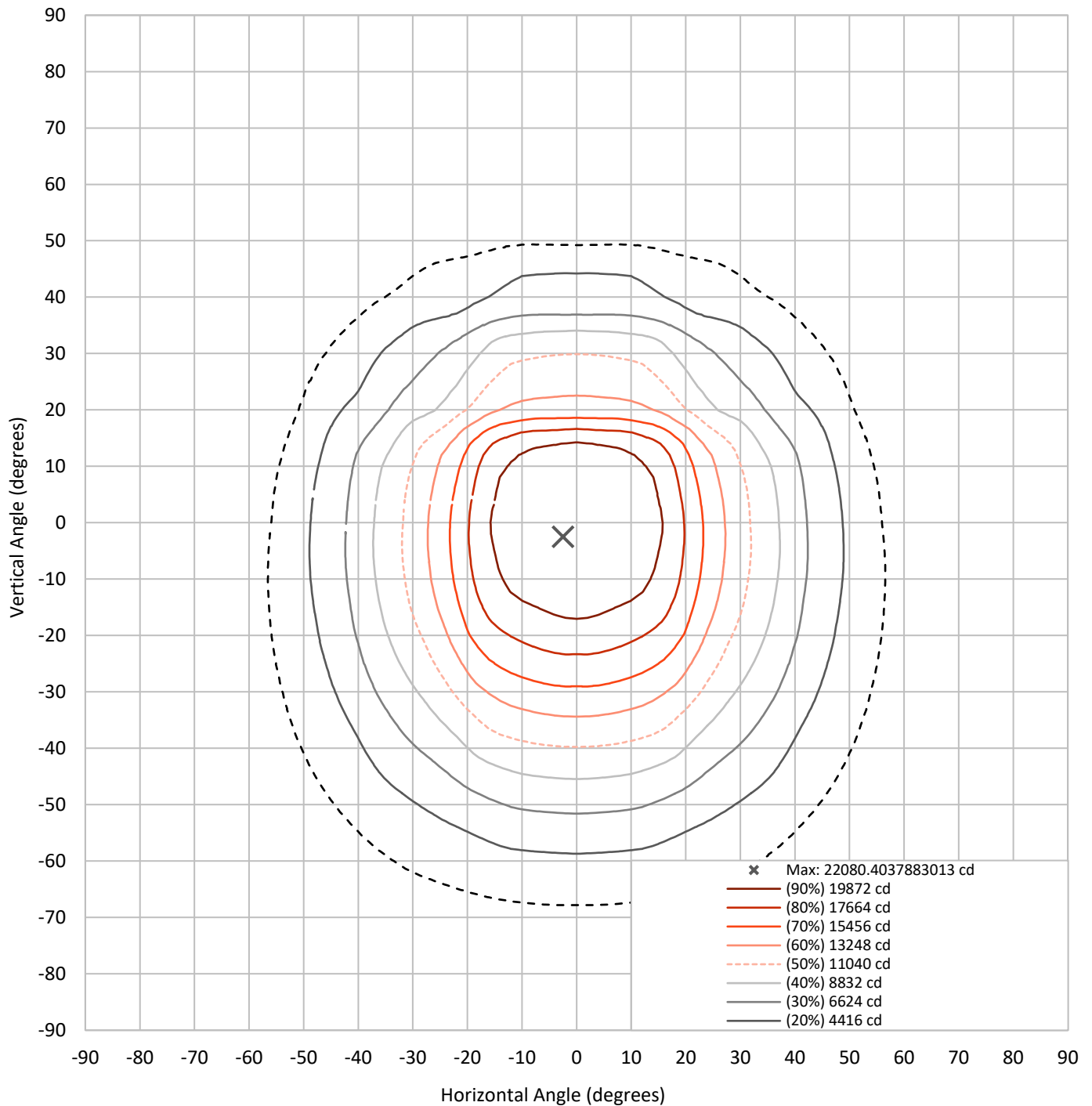
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	29466.9 lumens	Max Intensity:	22080.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	108.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	17048.6 lumens	Field Lumens:	27962.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	271.3		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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CATALOG NUMBER: GFLD-SA5D-750-U-VWR-VSR-XX

Iso-Candela Plot





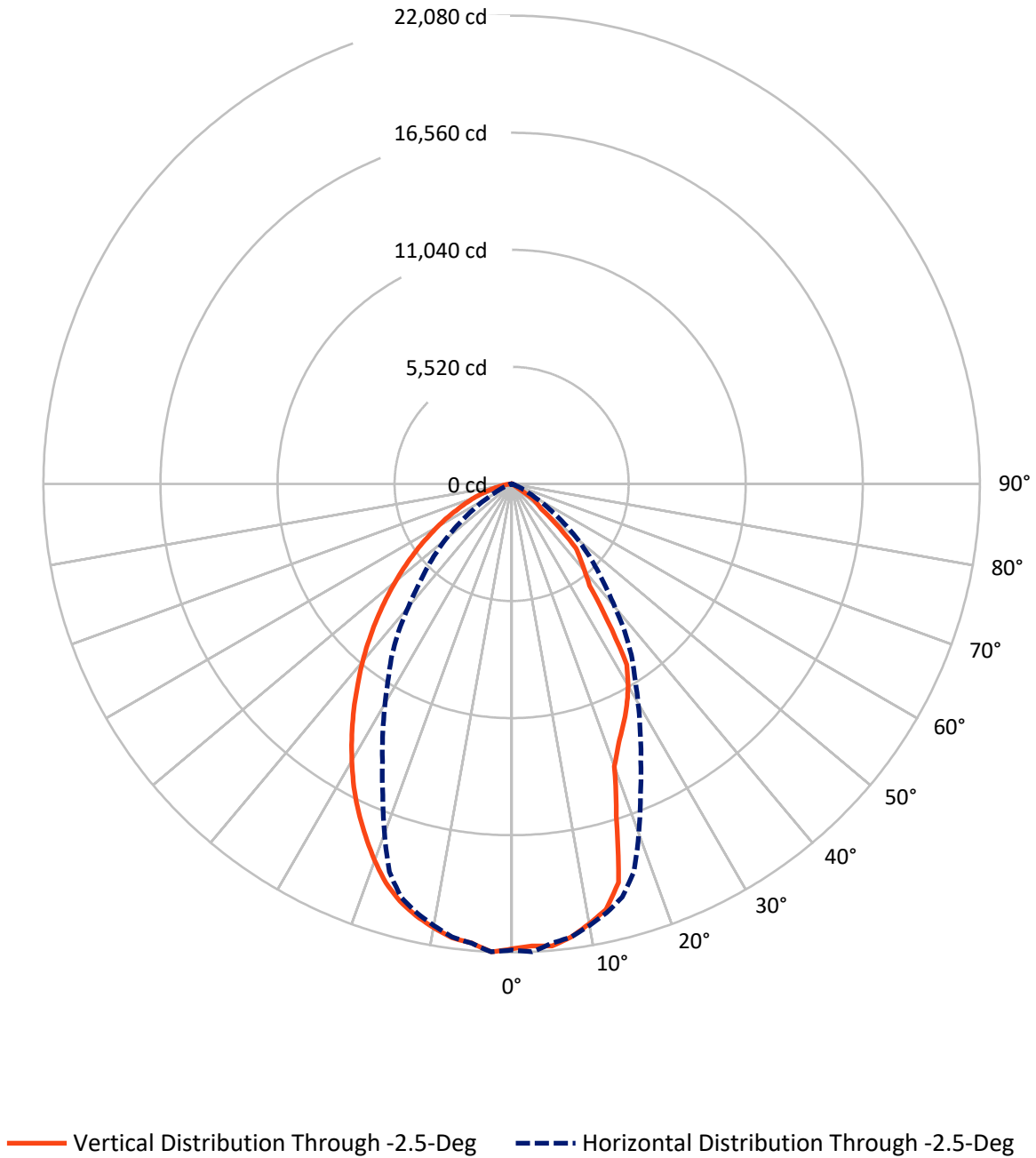
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Lumen Table

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	2.7	8.0	15.5	23.0	28.6	28.6	23.0	15.5	8.0	2.7	0.6	0.3				
40	0.5	0.5	3.3	15.1	36.6	65.8	97.1	118.9	118.9	97.1	65.8	36.6	15.1	3.3	0.5	0.5			
30		1.4	10.9	38.3	85.4	138.5	207.6	242.7	242.7	207.6	138.5	85.4	38.3	10.9	1.4				
20	0.9	3.3	21.2	67.8	137.6	218.2	327.3	376.2	376.2	327.3	218.2	137.6	67.8	21.2	3.3	0.9			
10		5.6	32.5	100.3	198.2	326.2	485.7	557.0	557.0	485.7	326.2	198.2	100.3	32.5	5.6				
0	1.5	7.6	42.2	119.2	237.1	389.9	573.5	650.8	650.8	573.5	389.9	237.1	119.2	42.2	7.6	1.5			
-10		9.1	46.6	123.8	243.4	398.8	577.8	653.3	653.3	577.8	398.8	243.4	123.8	46.6	9.1				
-20	1.9	9.5	45.5	117.2	229.5	373.4	536.2	605.9	605.9	536.2	373.4	229.5	117.2	45.5	9.5	1.9			
-30		8.6	39.8	102.2	198.3	317.4	449.5	509.1	509.1	449.5	317.4	198.3	102.2	39.8	8.6				
-40	1.9	7.2	31.8	80.4	156.0	244.9	343.3	388.7	388.7	343.3	244.9	156.0	80.4	31.8	7.2	1.9			
-50		5.8	23.4	57.3	111.7	172.2	237.6	269.7	269.7	237.6	172.2	111.7	57.3	23.4	5.8				
-60	1.4	4.3	15.4	36.8	69.4	106.9	145.2	165.6	165.6	145.2	106.9	69.4	36.8	15.4	4.3	1.4			
-70		3.0	9.3	21.5	38.2	56.7	75.0	85.0	85.0	75.0	56.7	38.2	21.5	9.3	3.0				
-80	0.5	6.9		31.8		69.3		77.4		69.3		31.8		6.9		0.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

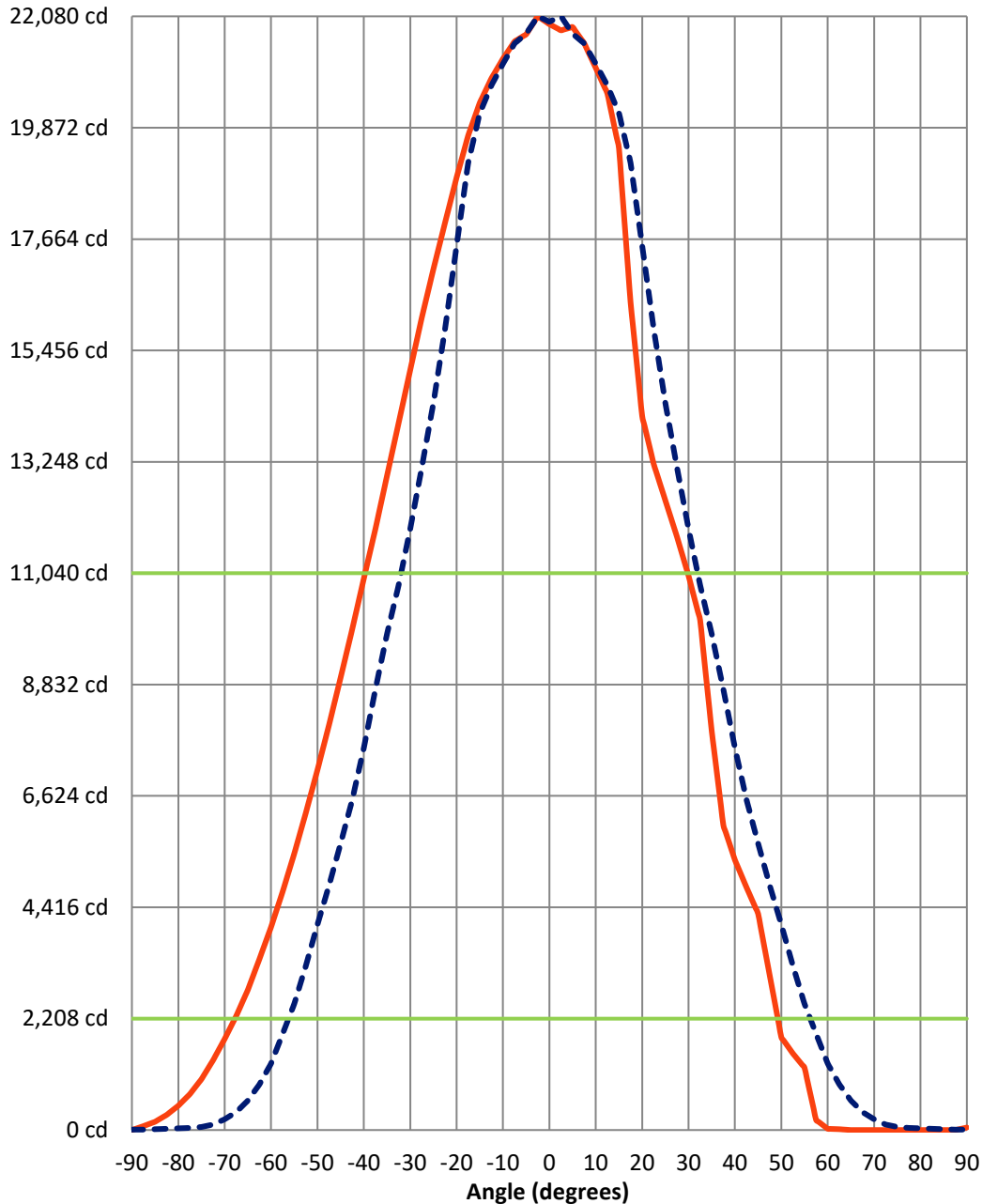
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 17048.6
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 27962.3
 Efficiency: 94.9%

Spill:
 Lumens: 1504.7
 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°	8.2	8.2	8.2	10.3	12.4	14.4	16.5	18.6	20.6	22.7	24.7
87.5°	8.2	8.2	8.2	7.9	7.5	6.9	6.1	4.3	2.7	1.3	0.0
85°	8.2	8.2	8.2	7.7	6.8	5.6	4.0	2.5	1.3	0.5	0.0
82.5°	8.2	8.2	8.2	7.4	6.1	4.3	1.9	0.6	0.2	1.2	2.2
80°	8.2	8.2	8.2	7.2	5.5	3.0	0.4	1.6	3.0	4.3	5.6
77.5°	8.2	8.2	8.2	7.0	4.8	2.7	2.5	4.0	5.7	7.4	7.4
75°	8.2	8.2	8.2	6.8	4.5	4.0	4.6	6.4	8.1	6.7	4.3
72.5°	8.2	8.2	8.2	6.6	5.2	5.3	6.6	8.1	7.0	4.7	1.4
70°	8.2	8.2	8.2	6.6	5.9	6.5	8.2	7.8	6.0	3.1	3.8
67.5°	8.2	8.2	8.2	6.8	6.5	7.7	8.4	7.5	5.3	6.4	7.3
65°	8.2	8.2	8.2	7.1	7.1	8.5	8.8	7.5	8.2	9.6	10.1
62.5°	8.2	8.2	8.2	7.4	7.7	9.1	9.2	9.3	11.1	12.5	11.3
60°	8.2	8.2	8.2	7.6	8.2	9.9	9.8	11.8	13.9	14.4	12.9
57.5°	8.2	8.2	8.3	7.8	9.0	10.7	11.7	14.3	16.3	16.5	16.1
55°	8.2	8.2	8.4	7.9	9.8	11.5	13.8	16.7	18.8	19.1	20.0
52.5°	8.2	8.2	8.6	8.1	10.7	12.6	15.9	19.1	21.5	22.7	23.9
50°	8.2	8.2	8.8	8.2	11.6	14.3	17.9	21.4	24.4	26.2	27.8
47.5°	8.2	8.2	9.0	8.4	12.6	15.9	19.9	23.7	27.5	29.7	31.7
45°	8.2	8.2	9.2	9.2	13.6	17.6	21.8	26.0	30.4	33.1	35.5
42.5°	8.2	8.2	9.5	9.9	14.6	19.1	23.7	28.5	33.5	36.5	43.0
40°	8.2	8.2	9.8	10.9	15.8	20.6	25.5	31.3	36.8	39.9	51.4
37.5°	8.2	8.2	10.1	12.0	16.9	22.1	27.3	34.2	40.2	45.4	59.9
35°	8.2	8.2	10.5	13.1	18.1	23.6	29.0	37.2	43.8	55.7	76.2
32.5°	8.2	8.2	10.8	14.2	19.2	24.9	31.0	40.3	47.6	67.9	108.7
30°	8.2	8.2	11.2	15.2	20.2	26.3	33.4	43.5	51.5	81.8	140.4
27.5°	8.2	8.2	11.6	16.2	21.5	27.6	35.9	46.7	58.3	97.3	171.0
25°	8.2	8.2	12.1	17.1	22.8	28.8	38.3	49.9	70.2	119.8	201.1
22.5°	8.2	8.2	12.5	18.1	24.1	30.0	40.7	53.1	82.8	144.6	240.7
20°	8.2	8.2	13.0	19.0	25.3	31.6	43.1	56.3	95.8	168.1	280.2
17.5°	8.2	8.2	13.5	19.8	26.4	33.0	45.5	59.5	109.1	190.3	318.9
15°	8.2	8.2	13.9	20.7	27.5	34.4	47.7	63.7	122.5	211.1	356.6
12.5°	8.2	8.2	14.4	21.4	28.6	35.7	49.9	69.4	137.3	230.4	392.6
10°	8.2	8.2	14.8	22.2	29.6	36.9	51.8	75.4	153.1	252.8	428.8
7.5°	8.2	8.2	15.3	22.9	30.5	38.1	53.5	81.5	168.0	274.6	466.8
5°	8.2	8.2	15.7	23.5	31.4	39.2	55.1	87.6	182.0	294.8	501.8
2.5°	8.2	8.2	16.1	24.1	32.2	40.3	56.5	93.4	194.8	313.3	533.2
0°	8.2	8.2	16.5	24.7	33.0	41.2	57.7	98.9	206.1	329.7	560.5
-2.5°	8.2	8.2	16.5	24.7	33.0	41.2	57.7	98.9	206.1	329.7	560.5
-5°	8.2	8.2	16.4	24.6	34.3	42.9	63.8	118.2	220.8	378.5	605.1
-7.5°	8.2	8.2	16.4	24.5	34.8	43.6	66.4	126.2	226.0	397.2	620.9
-10°	8.2	8.2	16.2	24.3	35.2	44.2	68.5	132.9	229.8	410.6	632.4
-12.5°	8.2	8.2	16.1	24.1	35.4	44.8	70.1	137.8	232.4	417.7	641.4
-15°	8.2	8.2	15.9	23.9	35.6	45.2	71.1	140.8	237.2	416.9	644.7
-17.5°	8.2	8.2	15.7	23.6	35.5	45.6	71.5	143.8	244.3	412.7	640.7
-20°	8.2	8.2	15.5	23.2	35.3	45.9	73.3	146.8	248.9	405.2	628.9

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Scaled Data Report



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-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°	8.2	8.2	15.2	22.8	34.8	46.0	78.0	148.1	250.9	394.3	608.9
-25°	8.2	8.2	14.9	22.4	34.2	49.1	81.9	147.6	250.2	380.3	580.4
-27.5°	8.2	8.2	14.6	21.9	33.4	52.9	84.9	145.4	246.7	368.4	559.6
-30°	8.2	8.2	14.3	21.4	32.6	56.2	87.0	141.4	242.1	363.1	536.2
-32.5°	8.2	8.2	13.9	20.8	33.8	58.9	88.1	141.6	236.2	354.0	509.7
-35°	8.2	8.2	13.5	20.2	34.6	61.0	90.5	142.4	228.0	341.2	480.4
-37.5°	8.2	8.2	13.1	19.6	35.2	62.4	92.9	141.8	217.4	324.7	467.2
-40°	8.2	8.2	12.6	18.9	35.5	62.9	94.3	140.0	204.6	308.8	452.6
-42.5°	8.2	8.2	12.1	18.5	35.7	62.9	94.8	136.7	197.3	296.0	430.1
-45°	8.2	8.2	11.6	18.6	35.9	62.4	94.3	133.8	191.9	280.3	401.9
-47.5°	8.2	8.2	11.1	18.5	35.7	61.5	92.9	131.9	185.0	261.3	379.7
-50°	8.2	8.2	10.6	18.3	35.0	60.1	91.0	128.6	179.6	254.5	353.2
-52.5°	8.2	8.2	10.0	17.9	34.0	58.2	88.4	124.1	174.9	245.5	324.8
-55°	8.2	8.2	9.4	17.4	32.5	55.8	85.3	118.5	169.2	234.4	311.3
-57.5°	8.2	8.2	8.8	16.8	30.7	52.8	81.5	113.5	161.3	222.7	295.2
-60°	8.2	8.2	8.2	16.0	28.5	49.2	77.0	108.0	151.2	208.8	276.7
-62.5°	8.2	8.2	8.2	15.2	27.0	45.1	70.8	100.6	138.6	192.3	255.2
-65°	8.2	8.2	8.2	14.2	25.2	40.4	63.9	91.1	123.5	170.7	230.7
-67.5°	8.2	8.2	8.2	13.1	23.2	36.3	56.2	80.0	106.0	145.4	198.3
-70°	8.2	8.2	8.2	11.9	21.1	33.0	47.8	68.2	90.8	117.2	160.2
-72.5°	8.2	8.2	8.2	11.6	18.8	29.4	42.2	55.8	74.9	97.2	122.6
-75°	8.2	8.2	8.2	11.5	16.4	25.6	36.8	47.0	58.3	76.6	97.5
-77.5°	8.2	8.2	8.2	11.4	15.5	21.6	31.0	39.5	48.4	58.0	71.5
-80°	8.2	8.2	8.2	11.2	15.0	19.4	25.1	31.8	39.0	46.7	55.0
-82.5°	8.2	8.2	8.2	11.0	14.4	18.3	22.7	25.8	29.4	35.2	41.5
-85°	8.2	8.2	8.2	10.8	13.7	17.0	20.7	23.4	26.2	28.9	31.6
-87.5°	8.2	8.2	8.2	10.5	13.1	15.7	18.6	21.0	23.4	25.8	28.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	6.1	4.1	2.0	0.0



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CATALOG NUMBER: GFLD-SA5D-750-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°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	26.8	28.9	30.9
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°	2.4	2.1	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	5.4	4.4	2.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.7	2.4	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.7	0.1	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.4	2.3	2.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	4.6	5.0	3.4	1.4	0.0	0.4	1.2	0.9	0.0	0.4	1.0
67.5°	7.6	5.7	3.7	2.3	3.1	4.1	3.9	4.2	4.4	4.9	4.2
65°	8.0	6.1	6.2	7.2	8.1	8.9	9.6	10.2	8.5	7.4	7.6
62.5°	8.5	9.3	10.7	12.0	13.2	14.3	14.4	12.8	9.7	12.2	14.0
60°	12.2	13.5	15.2	16.8	18.5	19.3	18.5	18.7	20.8	24.1	46.3
57.5°	16.5	17.6	19.7	22.3	24.5	24.9	25.6	27.9	65.3	106.7	117.8
55°	20.8	21.7	25.2	29.3	31.7	31.5	45.2	95.3	143.8	199.3	219.7
52.5°	25.1	26.8	32.8	37.7	40.8	63.6	114.5	182.5	254.2	317.8	400.1
50°	29.3	35.3	41.4	48.6	77.5	136.9	211.5	304.3	412.2	513.9	618.1
47.5°	36.7	44.1	53.5	76.7	152.9	235.3	338.4	487.7	620.9	744.0	886.8
45°	45.3	60.9	71.2	151.9	240.4	346.7	521.3	703.8	824.7	989.4	1242.1
42.5°	54.3	84.3	136.2	229.4	337.3	508.7	725.2	880.8	1041.6	1308.6	1574.3
40°	78.1	113.0	205.5	316.3	453.0	703.1	925.2	1101.4	1321.0	1617.0	1894.4
37.5°	107.0	172.6	276.1	409.1	634.6	908.7	1146.6	1398.2	1650.6	1929.7	2444.3
35°	139.2	227.8	365.6	545.0	816.4	1136.7	1420.4	1701.5	1992.4	2541.9	3052.5
32.5°	181.1	278.7	459.2	703.1	1012.7	1364.4	1693.7	2018.7	2485.2	3107.1	3619.4
30°	226.2	360.4	566.9	849.4	1197.7	1573.0	1968.8	2362.3	2979.8	3494.4	4050.7
27.5°	273.4	446.8	693.2	1002.2	1370.8	1769.7	2216.6	2777.9	3328.6	3837.1	4448.4
25°	321.7	536.7	808.7	1148.4	1541.2	1982.5	2496.4	3180.1	3610.9	4172.8	4810.5
22.5°	384.0	622.8	923.1	1280.8	1699.1	2201.0	2856.4	3543.0	4050.0	4522.7	5145.6
20°	456.0	719.6	1047.5	1446.8	1853.8	2414.5	3214.4	3936.5	4532.9	5074.1	5646.3
17.5°	523.3	810.1	1180.5	1616.3	2078.8	2688.1	3565.7	4364.9	5021.2	5624.2	6338.6
15°	585.5	893.9	1310.9	1776.7	2300.1	3001.5	3880.7	4758.4	5507.8	6186.3	6998.1
12.5°	642.4	970.4	1436.4	1926.8	2508.4	3271.7	4145.2	5001.9	5825.6	6709.8	7631.0
10°	693.6	1039.2	1555.0	2065.4	2701.5	3500.3	4363.8	5204.9	6036.0	6971.7	7995.2
7.5°	748.6	1103.5	1662.7	2191.4	2877.2	3689.0	4538.4	5367.8	6206.0	7181.2	8231.9
5°	799.4	1162.7	1748.2	2281.6	3013.0	3836.3	4669.7	5491.5	6335.1	7337.3	8411.2
2.5°	844.0	1212.4	1817.9	2352.4	3113.7	3944.7	4755.1	5594.7	6430.8	7464.1	8548.0
0°	881.9	1252.8	1871.0	2406.8	3189.8	4022.3	4805.3	5662.6	6486.8	7550.1	8638.1
-2.5°	906.2	1319.0	1907.5	2501.6	3256.3	4073.1	4850.3	5681.6	6547.1	7577.3	8739.1
-5°	923.2	1372.6	1929.6	2574.7	3299.8	4095.5	4865.1	5666.8	6563.2	7570.4	8754.0
-7.5°	933.1	1410.4	1939.9	2616.2	3315.1	4082.0	4840.0	5638.9	6536.9	7544.5	8688.5
-10°	938.9	1422.3	1953.9	2603.7	3295.0	4037.9	4784.3	5573.5	6462.1	7460.2	8564.2
-12.5°	954.4	1414.7	1951.4	2576.0	3251.6	3971.1	4701.6	5469.8	6337.5	7316.5	8392.3
-15°	958.3	1397.7	1928.0	2535.2	3185.4	3883.8	4593.3	5327.6	6183.8	7176.4	8202.1
-17.5°	949.6	1372.1	1882.3	2483.2	3096.7	3777.9	4465.8	5199.6	6039.8	7014.8	8002.5
-20°	927.5	1338.8	1813.4	2421.7	2991.4	3660.3	4338.2	5065.3	5874.1	6790.6	7779.1



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-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°	891.4	1298.7	1738.7	2335.9	2900.5	3525.3	4188.6	4882.3	5666.5	6499.8	7478.7
-25°	854.1	1253.3	1679.9	2218.0	2791.1	3367.6	4016.7	4658.6	5422.6	6241.0	7109.7
-27.5°	818.7	1189.9	1618.8	2088.8	2662.3	3199.2	3822.3	4448.4	5148.3	5950.5	6750.3
-30°	772.4	1121.5	1544.2	1964.6	2508.3	3040.6	3605.5	4221.7	4851.1	5612.3	6399.2
-32.5°	731.6	1050.4	1459.2	1870.0	2342.7	2861.9	3371.8	3959.1	4573.3	5222.3	5999.9
-35°	704.3	1008.3	1369.2	1760.7	2173.8	2667.6	3152.6	3662.8	4257.7	4866.7	5549.5
-37.5°	682.2	960.0	1274.4	1646.8	2040.0	2463.8	2917.9	3387.3	3906.4	4520.4	5162.3
-40°	647.3	905.5	1204.2	1538.3	1885.2	2270.5	2692.0	3116.9	3566.9	4166.7	4800.1
-42.5°	602.7	852.8	1138.1	1420.2	1737.1	2088.8	2463.4	2863.6	3296.1	3817.1	4399.3
-45°	568.4	785.4	1064.5	1317.1	1579.5	1901.2	2253.0	2615.5	3023.4	3470.7	3993.6
-47.5°	524.8	712.1	968.3	1204.4	1435.5	1710.1	2031.8	2375.0	2736.2	3139.3	3567.9
-50°	478.2	650.9	850.5	1080.4	1300.8	1529.2	1803.6	2120.9	2448.7	2800.0	3182.4
-52.5°	442.8	579.4	761.6	953.0	1163.1	1370.2	1603.8	1875.9	2168.7	2462.2	2798.6
-55°	402.8	526.8	676.9	848.5	1027.4	1219.1	1431.8	1670.1	1908.8	2178.5	2446.9
-57.5°	374.6	476.2	606.3	755.3	916.0	1079.0	1279.7	1481.1	1702.1	1925.3	2148.0
-60°	352.6	432.4	540.3	671.6	814.8	967.2	1131.9	1318.0	1508.2	1690.4	1882.8
-62.5°	327.4	396.9	481.2	588.3	717.7	850.2	995.3	1154.7	1326.8	1480.2	1629.4
-65°	294.8	355.2	427.6	514.7	616.3	728.4	852.0	986.4	1135.2	1259.6	1381.5
-67.5°	257.4	308.2	369.0	440.1	524.8	612.3	703.0	816.7	937.5	1039.1	1138.4
-70°	210.4	257.4	307.0	365.0	431.5	505.6	585.5	667.9	750.6	833.5	924.4
-72.5°	161.1	203.8	245.9	287.3	340.2	400.9	466.1	535.2	607.4	678.3	747.4
-75°	122.8	150.5	187.3	224.6	261.4	300.9	345.0	400.0	467.0	535.8	598.9
-77.5°	92.7	116.0	140.5	166.1	189.4	218.5	250.3	284.6	339.9	403.4	467.5
-80°	66.8	80.8	100.3	121.0	137.3	153.4	170.1	187.5	228.6	279.8	334.4
-82.5°	49.6	59.2	70.0	82.0	90.2	98.2	107.2	118.6	149.2	183.7	220.2
-85°	34.2	37.0	42.8	49.5	54.1	58.8	63.6	68.4	84.9	103.3	123.1
-87.5°	29.5	30.9	32.5	34.1	34.7	35.3	35.8	36.4	41.9	47.7	53.7
-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: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	33.0	35.1	37.1	39.2	41.2	43.3	45.4	47.4	49.5	49.5	49.5
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°	3.7	4.2	4.3	3.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	8.7	8.3	6.1	4.0	1.9	3.1	5.0	5.9	6.0	5.4	4.1
62.5°	13.0	12.0	10.8	12.5	15.0	17.4	16.6	15.7	14.6	13.9	14.4
60°	48.7	32.5	37.6	47.2	44.1	30.2	49.6	56.2	47.9	32.8	31.6
57.5°	123.6	119.3	136.6	199.6	219.6	200.1	239.1	290.3	288.8	248.7	247.4
55°	263.2	353.2	461.7	479.3	554.9	706.3	824.3	772.6	772.2	811.1	936.3
52.5°	500.0	584.9	616.5	700.8	858.8	973.3	1047.0	1123.2	1206.8	1292.1	1378.5
50°	733.8	816.2	909.7	996.1	1214.7	1332.3	1312.7	1470.6	1672.7	1799.0	1863.8
47.5°	1076.3	1206.1	1403.9	1713.7	1876.8	1994.8	2141.5	2320.4	2552.0	2866.0	3107.9
45°	1479.6	1683.8	1989.8	2318.9	2572.1	2687.5	2855.3	3132.3	3501.5	3861.0	4123.5
42.5°	1809.2	2089.4	2434.6	2749.0	2955.6	3145.0	3362.4	3595.9	4018.8	4402.7	4706.1
40°	2239.4	2457.7	2844.9	3141.3	3326.2	3514.0	3858.4	4208.0	4605.7	4963.4	5212.0
37.5°	2784.6	3030.3	3433.0	3768.3	3946.3	4012.7	4598.3	5085.1	5408.2	5864.9	6014.2
35°	3370.3	3774.6	4287.8	4722.6	4897.1	5245.4	5848.8	6527.9	7263.6	7534.3	7765.0
32.5°	4023.8	4522.6	5219.0	5685.5	5934.6	6463.2	7226.8	7951.6	8913.8	9435.9	9592.0
30°	4621.6	5194.0	5792.5	6246.0	6671.8	7308.4	8004.8	8898.5	9788.2	10455.8	10663.2
27.5°	5060.3	5693.6	6269.1	6693.7	7174.2	7860.6	8728.8	9634.0	10507.2	11188.4	11430.4
25°	5479.1	6195.0	6650.6	7144.3	7708.5	8456.6	9418.8	10424.4	11284.5	11860.2	12157.0
22.5°	5955.4	6661.3	7150.4	7568.6	8306.2	9168.3	10061.4	11197.7	12109.0	12568.4	12890.2
20°	6447.1	7245.7	8001.2	8390.2	9028.5	10119.9	11119.7	12192.5	13072.5	13551.2	13890.1
17.5°	7133.0	8150.8	9077.4	9628.2	10311.7	11616.8	12864.3	13949.5	15173.8	15606.1	16020.4
15°	7856.3	9034.3	10119.8	10992.5	11875.3	13168.3	14774.3	16083.9	17480.8	18104.6	18809.8
12.5°	8577.4	9692.1	10675.5	11801.3	13045.6	14189.4	15718.3	17349.1	18616.7	19412.2	19887.0
10°	9116.3	10151.6	11097.9	12226.4	13468.4	14762.3	16281.6	17953.3	19280.2	19959.0	20346.5
7.5°	9407.3	10398.1	11396.3	12539.9	13776.3	15154.3	16719.7	18378.2	19734.9	20392.7	20775.3
5°	9623.3	10575.0	11608.5	12812.4	14062.5	15459.7	17023.0	18661.8	19898.8	20597.9	21081.7
2.5°	9754.1	10687.1	11743.8	12988.5	14241.7	15696.9	17335.7	19034.4	20116.8	20679.1	21124.2
0°	9792.0	10731.6	11819.6	13080.7	14366.6	15833.7	17457.5	19138.9	20235.2	20779.2	21232.5
-2.5°	9834.7	10802.1	11920.0	13140.5	14415.5	15878.5	17535.9	19174.4	20160.5	20709.4	21140.7
-5°	9805.0	10807.6	11922.0	13091.1	14374.4	15825.7	17416.9	18948.8	19980.4	20573.8	21002.7
-7.5°	9716.2	10733.1	11836.0	12959.6	14218.5	15686.3	17270.7	18745.9	19791.0	20416.7	20886.0
-10°	9587.1	10574.4	11684.9	12822.8	14066.5	15463.7	17023.8	18490.2	19490.3	20154.8	20701.7
-12.5°	9444.0	10410.9	11481.2	12572.7	13802.8	15182.7	16694.3	18082.4	19076.6	19801.4	20192.2
-15°	9232.0	10198.2	11221.5	12277.2	13476.2	14815.0	16258.9	17590.7	18567.0	19156.8	19588.6
-17.5°	8962.3	9910.4	10880.5	11881.8	13011.4	14329.8	15782.5	17095.9	17891.9	18418.6	18843.0
-20°	8673.4	9550.1	10469.3	11414.1	12509.0	13815.0	15241.7	16387.4	17137.5	17643.6	18044.4



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-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°	8343.5	9187.7	10029.1	10932.3	12005.9	13203.3	14463.4	15570.6	16377.1	16838.1	17208.4
-25°	7966.8	8788.1	9587.1	10459.5	11446.1	12522.4	13694.1	14782.1	15504.4	15994.1	16361.3
-27.5°	7561.2	8332.8	9113.3	9896.7	10783.7	11856.1	12941.2	13951.9	14568.5	15062.0	15431.5
-30°	7156.3	7850.4	8572.5	9314.1	10146.6	11113.5	12128.6	12978.4	13628.6	14108.1	14451.2
-32.5°	6717.6	7376.2	8015.9	8709.0	9492.9	10345.0	11235.8	12044.2	12739.1	13178.3	13467.4
-35°	6268.2	6905.8	7491.3	8120.4	8811.8	9547.2	10369.5	11166.7	11852.9	12200.4	12482.2
-37.5°	5800.1	6435.8	6991.0	7516.5	8112.1	8793.2	9594.0	10354.8	10947.5	11246.3	11500.2
-40°	5393.1	5952.7	6452.4	6955.4	7439.6	8044.3	8791.7	9528.3	10003.9	10295.0	10530.9
-42.5°	4997.9	5470.0	5879.2	6330.1	6814.7	7410.9	8013.9	8631.5	9013.8	9337.0	9585.4
-45°	4537.7	4959.7	5343.4	5718.4	6160.4	6704.7	7252.5	7747.2	8105.2	8417.6	8659.6
-47.5°	4028.8	4436.2	4808.8	5144.1	5554.8	6008.8	6470.0	6881.7	7235.3	7543.9	7759.8
-50°	3554.4	3918.4	4282.2	4621.5	4977.5	5344.8	5718.9	6080.2	6415.8	6715.7	6899.5
-52.5°	3129.4	3465.3	3783.3	4079.9	4391.4	4701.7	5011.6	5342.5	5651.3	5935.1	6081.8
-55°	2745.0	3047.8	3334.7	3584.6	3834.5	4080.7	4346.2	4651.8	4936.2	5199.1	5304.4
-57.5°	2399.9	2659.0	2912.9	3124.3	3328.3	3524.1	3757.2	4015.1	4264.0	4489.3	4575.5
-60°	2082.4	2288.1	2500.4	2687.9	2865.7	3033.6	3236.9	3444.6	3646.5	3816.3	3889.7
-62.5°	1790.4	1966.3	2127.2	2279.6	2430.2	2581.3	2745.4	2910.2	3073.2	3204.1	3270.3
-65°	1508.9	1648.9	1778.2	1903.5	2025.1	2152.1	2280.5	2405.7	2526.4	2619.9	2677.3
-67.5°	1244.6	1351.0	1453.6	1551.3	1653.0	1755.9	1856.5	1952.3	2043.0	2115.3	2170.2
-70°	1010.3	1092.7	1173.0	1253.8	1338.8	1418.8	1494.5	1566.2	1633.7	1685.8	1728.0
-72.5°	814.4	881.2	950.6	1023.4	1092.0	1151.8	1206.2	1258.6	1308.8	1338.3	1360.3
-75°	656.5	712.8	773.1	832.1	889.4	934.9	974.8	1013.5	1050.7	1052.6	1045.2
-77.5°	530.4	580.7	627.4	673.7	719.4	747.4	771.9	797.1	822.5	807.8	784.5
-80°	389.3	431.2	470.8	510.7	550.5	567.0	578.6	588.6	597.1	577.8	554.0
-82.5°	258.4	284.8	310.5	336.7	363.3	373.9	381.9	388.4	393.5	376.1	356.1
-85°	144.1	156.8	169.3	181.8	194.4	201.9	208.7	214.9	220.6	210.3	198.5
-87.5°	59.9	62.8	65.6	68.4	71.1	73.7	76.3	78.8	81.3	81.6	81.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-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°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	47.4
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°	2.4	0.4	0.0	0.0	0.0	0.4	2.4	4.1	5.4	6.0	5.9
62.5°	15.1	15.8	16.3	16.5	16.3	15.8	15.1	14.4	13.9	14.6	15.7
60°	29.1	25.5	24.6	24.7	24.6	25.5	29.1	31.6	32.8	47.9	56.2
57.5°	228.5	195.6	200.5	222.5	200.5	195.6	228.5	247.4	248.7	288.8	290.3
55°	1067.8	1192.0	1235.8	1211.6	1235.8	1192.0	1067.8	936.3	811.1	772.2	772.6
52.5°	1446.8	1497.7	1517.3	1516.6	1517.3	1497.7	1446.8	1378.5	1292.1	1206.8	1123.2
50°	1883.5	1866.2	1839.7	1813.3	1839.7	1866.2	1883.5	1863.8	1799.0	1672.7	1470.6
47.5°	3143.3	3088.8	3065.8	3107.4	3065.8	3088.8	3143.3	3107.9	2866.0	2552.0	2320.4
45°	4177.0	4240.8	4288.5	4286.1	4288.5	4240.8	4177.0	4123.5	3861.0	3501.5	3132.3
42.5°	4765.6	4799.6	4809.5	4797.1	4809.5	4799.6	4765.6	4706.1	4402.7	4018.8	3595.9
40°	5290.1	5330.7	5353.5	5374.1	5353.5	5330.7	5290.1	5212.0	4963.4	4605.7	4208.0
37.5°	6063.5	6078.4	6046.0	6025.2	6046.0	6078.4	6063.5	6014.2	5864.9	5408.2	5085.1
35°	7959.5	7998.4	7908.4	8003.4	7908.4	7998.4	7959.5	7765.0	7534.3	7263.6	6527.9
32.5°	9777.9	9959.9	10107.1	10228.9	10107.1	9959.9	9777.9	9592.0	9435.9	8913.8	7951.6
30°	10807.9	10925.3	10988.4	11003.6	10988.4	10925.3	10807.9	10663.2	10455.8	9788.2	8898.5
27.5°	11564.2	11687.3	11763.9	11819.6	11763.9	11687.3	11564.2	11430.4	11188.4	10507.2	9634.0
25°	12293.1	12405.6	12482.2	12512.0	12482.2	12405.6	12293.1	12157.0	11860.2	11284.5	10424.4
22.5°	13049.4	13127.6	13201.2	13237.3	13201.2	13127.6	13049.4	12890.2	12568.4	12109.0	11197.7
20°	14133.7	14091.2	14158.3	14135.8	14158.3	14091.2	14133.7	13890.1	13551.2	13072.5	12192.5
17.5°	16343.3	16366.2	16411.1	16484.9	16411.1	16366.2	16343.3	16020.4	15606.1	15173.8	13949.5
15°	19122.2	19178.2	19462.4	19715.9	19462.4	19178.2	19122.2	18809.8	18104.6	17480.8	16083.9
12.5°	20327.6	20521.1	20551.1	20622.6	20551.1	20521.1	20327.6	19887.0	19412.2	18616.7	17349.1
10°	20729.9	21065.0	21057.7	21141.8	21057.7	21065.0	20729.9	20346.5	19959.0	19280.2	17953.3
7.5°	21035.0	21394.9	21547.0	21611.7	21547.0	21394.9	21035.0	20775.3	20392.7	19734.9	18378.2
5°	21407.7	21605.5	21868.0	21793.0	21868.0	21605.5	21407.7	21081.7	20597.9	19898.8	18661.8
2.5°	21563.9	21873.9	21802.3	21875.4	21802.3	21873.9	21563.9	21124.2	20679.1	20116.8	19034.4
0°	21669.4	21891.9	21924.9	21999.1	21924.9	21891.9	21669.4	21232.5	20779.2	20235.2	19138.9
-2.5°	21541.5	21737.4	22080.4	21974.3	22080.4	21737.4	21541.5	21140.7	20709.4	20160.5	19174.4
-5°	21429.5	21911.5	21724.3	21957.8	21724.3	21911.5	21429.5	21002.7	20573.8	19980.4	18948.8
-7.5°	21371.6	21457.8	21582.1	21760.0	21582.1	21457.8	21371.6	20886.0	20416.7	19791.0	18745.9
-10°	20924.2	21012.4	21240.7	21364.4	21240.7	21012.4	20924.2	20701.7	20154.8	19490.3	18490.2
-12.5°	20439.1	20609.8	20849.6	20927.5	20849.6	20609.8	20439.1	20192.2	19801.4	19076.6	18082.4
-15°	19880.2	20133.7	20367.5	20416.5	20367.5	20133.7	19880.2	19588.6	19156.8	18567.0	17590.7
-17.5°	19169.4	19473.5	19719.1	19773.6	19719.1	19473.5	19169.4	18843.0	18418.6	17891.9	17095.9
-20°	18386.3	18677.5	18886.4	18949.4	18886.4	18677.5	18386.3	18044.4	17643.6	17137.5	16387.4



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-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°	17547.9	17810.1	17986.7	17960.3	17986.7	17810.1	17547.9	17208.4	16838.1	16377.1	15570.6
-25°	16657.7	16901.0	17069.3	17045.4	17069.3	16901.0	16657.7	16361.3	15994.1	15504.4	14782.1
-27.5°	15716.7	15947.2	16108.8	16114.0	16108.8	15947.2	15716.7	15431.5	15062.0	14568.5	13951.9
-30°	14727.8	14937.1	15068.4	15017.7	15068.4	14937.1	14727.8	14451.2	14108.1	13628.6	12978.4
-32.5°	13707.8	13897.2	14017.5	14053.3	14017.5	13897.2	13707.8	13467.4	13178.3	12739.1	12044.2
-35°	12701.8	12868.7	12972.7	12998.3	12972.7	12868.7	12701.8	12482.2	12200.4	11852.9	11166.7
-37.5°	11702.2	11845.9	11918.5	11885.6	11918.5	11845.9	11702.2	11500.2	11246.3	10947.5	10354.8
-40°	10714.5	10851.2	10934.4	10954.2	10934.4	10851.2	10714.5	10530.9	10295.0	10003.9	9528.3
-42.5°	9743.3	9857.0	9930.0	9965.1	9930.0	9857.0	9743.3	9585.4	9337.0	9013.8	8631.5
-45°	8800.8	8902.5	8971.0	9009.0	8971.0	8902.5	8800.8	8659.6	8417.6	8105.2	7747.2
-47.5°	7883.8	7972.9	8032.0	8061.1	8032.0	7972.9	7883.8	7759.8	7543.9	7235.3	6881.7
-50°	7006.9	7084.2	7139.2	7170.9	7139.2	7084.2	7006.9	6899.5	6715.7	6415.8	6080.2
-52.5°	6175.3	6242.7	6289.7	6313.7	6289.7	6242.7	6175.3	6081.8	5935.1	5651.3	5342.5
-55°	5381.2	5435.9	5479.3	5505.9	5479.3	5435.9	5381.2	5304.4	5199.1	4936.2	4651.8
-57.5°	4640.7	4685.4	4726.6	4755.9	4726.6	4685.4	4640.7	4575.5	4489.3	4264.0	4015.1
-60°	3947.6	3989.7	4024.8	4047.0	4024.8	3989.7	3947.6	3889.7	3816.3	3646.5	3444.6
-62.5°	3322.0	3359.4	3391.5	3412.4	3391.5	3359.4	3322.0	3270.3	3204.1	3073.2	2910.2
-65°	2722.5	2755.9	2779.8	2794.2	2779.8	2755.9	2722.5	2677.3	2619.9	2526.4	2405.7
-67.5°	2216.9	2255.5	2263.2	2258.4	2263.2	2255.5	2216.9	2170.2	2115.3	2043.0	1952.3
-70°	1765.8	1798.4	1806.1	1805.1	1806.1	1798.4	1765.8	1728.0	1685.8	1633.7	1566.2
-72.5°	1380.7	1398.5	1383.4	1360.0	1383.4	1398.5	1380.7	1360.3	1338.3	1308.8	1258.6
-75°	1036.0	1024.7	1008.7	989.1	1008.7	1024.7	1036.0	1045.2	1052.6	1050.7	1013.5
-77.5°	758.8	730.7	712.4	692.4	712.4	730.7	758.8	784.5	807.8	822.5	797.1
-80°	528.3	500.8	481.8	461.6	481.8	500.8	528.3	554.0	577.8	597.1	588.6
-82.5°	334.7	312.0	300.6	288.5	300.6	312.0	334.7	356.1	376.1	393.5	388.4
-85°	185.9	172.5	164.7	156.6	164.7	172.5	185.9	198.5	210.3	220.6	214.9
-87.5°	82.1	82.3	78.3	74.2	78.3	82.3	82.1	81.9	81.6	81.3	78.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	45.4	43.3	41.2	39.2	37.1	35.1	33.0	30.9	28.9	26.8	24.7
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	0.3	0.2	0.0	0.0	0.7	1.0	0.4	0.0	0.9
67.5°	0.0	0.0	1.5	3.4	4.3	4.2	3.7	4.2	4.9	4.4	4.2
65°	5.0	3.1	1.9	4.0	6.1	8.3	8.7	7.6	7.4	8.5	10.2
62.5°	16.6	17.4	15.0	12.5	10.8	12.0	13.0	14.0	12.2	9.7	12.8
60°	49.6	30.2	44.1	47.2	37.6	32.5	48.7	46.3	24.1	20.8	18.7
57.5°	239.1	200.1	219.6	199.6	136.6	119.3	123.6	117.8	106.7	65.3	27.9
55°	824.3	706.3	554.9	479.3	461.7	353.2	263.2	219.7	199.3	143.8	95.3
52.5°	1047.0	973.3	858.8	700.8	616.5	584.9	500.0	400.1	317.8	254.2	182.5
50°	1312.7	1332.3	1214.7	996.1	909.7	816.2	733.8	618.1	513.9	412.2	304.3
47.5°	2141.5	1994.8	1876.8	1713.7	1403.9	1206.1	1076.3	886.8	744.0	620.9	487.7
45°	2855.3	2687.5	2572.1	2318.9	1989.8	1683.8	1479.6	1242.1	989.4	824.7	703.8
42.5°	3362.4	3145.0	2955.6	2749.0	2434.6	2089.4	1809.2	1574.3	1308.6	1041.6	880.8
40°	3858.4	3514.0	3326.2	3141.3	2844.9	2457.7	2239.4	1894.4	1617.0	1321.0	1101.4
37.5°	4598.3	4012.7	3946.3	3768.3	3433.0	3030.3	2784.6	2444.3	1929.7	1650.6	1398.2
35°	5848.8	5245.4	4897.1	4722.6	4287.8	3774.6	3370.3	3052.5	2541.9	1992.4	1701.5
32.5°	7226.8	6463.2	5934.6	5685.5	5219.0	4522.6	4023.8	3619.4	3107.1	2485.2	2018.7
30°	8004.8	7308.4	6671.8	6246.0	5792.5	5194.0	4621.6	4050.7	3494.4	2979.8	2362.3
27.5°	8728.8	7860.6	7174.2	6693.7	6269.1	5693.6	5060.3	4448.4	3837.1	3328.6	2777.9
25°	9418.8	8456.6	7708.5	7144.3	6650.6	6195.0	5479.1	4810.5	4172.8	3610.9	3180.1
22.5°	10061.4	9168.3	8306.2	7568.6	7150.4	6661.3	5955.4	5145.6	4522.7	4050.0	3543.0
20°	11119.7	10119.9	9028.5	8390.2	8001.2	7245.7	6447.1	5646.3	5074.1	4532.9	3936.5
17.5°	12864.3	11616.8	10311.7	9628.2	9077.4	8150.8	7133.0	6338.6	5624.2	5021.2	4364.9
15°	14774.3	13168.3	11875.3	10992.5	10119.8	9034.3	7856.3	6998.1	6186.3	5507.8	4758.4
12.5°	15718.3	14189.4	13045.6	11801.3	10675.5	9692.1	8577.4	7631.0	6709.8	5825.6	5001.9
10°	16281.6	14762.3	13468.4	12226.4	11097.9	10151.6	9116.3	7995.2	6971.7	6036.0	5204.9
7.5°	16719.7	15154.3	13776.3	12539.9	11396.3	10398.1	9407.3	8231.9	7181.2	6206.0	5367.8
5°	17023.0	15459.7	14062.5	12812.4	11608.5	10575.0	9623.3	8411.2	7337.3	6335.1	5491.5
2.5°	17335.7	15696.9	14241.7	12988.5	11743.8	10687.1	9754.1	8548.0	7464.1	6430.8	5594.7
0°	17457.5	15833.7	14366.6	13080.7	11819.6	10731.6	9792.0	8638.1	7550.1	6486.8	5662.6
-2.5°	17535.9	15878.5	14415.5	13140.5	11920.0	10802.1	9834.7	8739.1	7577.3	6547.1	5681.6
-5°	17416.9	15825.7	14374.4	13091.1	11922.0	10807.6	9805.0	8754.0	7570.4	6563.2	5666.8
-7.5°	17270.7	15686.3	14218.5	12959.6	11836.0	10733.1	9716.2	8688.5	7544.5	6536.9	5638.9
-10°	17023.8	15463.7	14066.5	12822.8	11684.9	10574.4	9587.1	8564.2	7460.2	6462.1	5573.5
-12.5°	16694.3	15182.7	13802.8	12572.7	11481.2	10410.9	9444.0	8392.3	7316.5	6337.5	5469.8
-15°	16258.9	14815.0	13476.2	12277.2	11221.5	10198.2	9232.0	8202.1	7176.4	6183.8	5327.6
-17.5°	15782.5	14329.8	13011.4	11881.8	10880.5	9910.4	8962.3	8002.5	7014.8	6039.8	5199.6
-20°	15241.7	13815.0	12509.0	11414.1	10469.3	9550.1	8673.4	7779.1	6790.6	5874.1	5065.3



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-750-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°	14463.4	13203.3	12005.9	10932.3	10029.1	9187.7	8343.5	7478.7	6499.8	5666.5	4882.3
-25°	13694.1	12522.4	11446.1	10459.5	9587.1	8788.1	7966.8	7109.7	6241.0	5422.6	4658.6
-27.5°	12941.2	11856.1	10783.7	9896.7	9113.3	8332.8	7561.2	6750.3	5950.5	5148.3	4448.4
-30°	12128.6	11113.5	10146.6	9314.1	8572.5	7850.4	7156.3	6399.2	5612.3	4851.1	4221.7
-32.5°	11235.8	10345.0	9492.9	8709.0	8015.9	7376.2	6717.6	5999.9	5222.3	4573.3	3959.1
-35°	10369.5	9547.2	8811.8	8120.4	7491.3	6905.8	6268.2	5549.5	4866.7	4257.7	3662.8
-37.5°	9594.0	8793.2	8112.1	7516.5	6991.0	6435.8	5800.1	5162.3	4520.4	3906.4	3387.3
-40°	8791.7	8044.3	7439.6	6955.4	6452.4	5952.7	5393.1	4800.1	4166.7	3566.9	3116.9
-42.5°	8013.9	7410.9	6814.7	6330.1	5879.2	5470.0	4997.9	4399.3	3817.1	3296.1	2863.6
-45°	7252.5	6704.7	6160.4	5718.4	5343.4	4959.7	4537.7	3993.6	3470.7	3023.4	2615.5
-47.5°	6470.0	6008.8	5554.8	5144.1	4808.8	4436.2	4028.8	3567.9	3139.3	2736.2	2375.0
-50°	5718.9	5344.8	4977.5	4621.5	4282.2	3918.4	3554.4	3182.4	2800.0	2448.7	2120.9
-52.5°	5011.6	4701.7	4391.4	4079.9	3783.3	3465.3	3129.4	2798.6	2462.2	2168.7	1875.9
-55°	4346.2	4080.7	3834.5	3584.6	3334.7	3047.8	2745.0	2446.9	2178.5	1908.8	1670.1
-57.5°	3757.2	3524.1	3328.3	3124.3	2912.9	2659.0	2399.9	2148.0	1925.3	1702.1	1481.1
-60°	3236.9	3033.6	2865.7	2687.9	2500.4	2288.1	2082.4	1882.8	1690.4	1508.2	1318.0
-62.5°	2745.4	2581.3	2430.2	2279.6	2127.2	1966.3	1790.4	1629.4	1480.2	1326.8	1154.7
-65°	2280.5	2152.1	2025.1	1903.5	1778.2	1648.9	1508.9	1381.5	1259.6	1135.2	986.4
-67.5°	1856.5	1755.9	1653.0	1551.3	1453.6	1351.0	1244.6	1138.4	1039.1	937.5	816.7
-70°	1494.5	1418.8	1338.8	1253.8	1173.0	1092.7	1010.3	924.4	833.5	750.6	667.9
-72.5°	1206.2	1151.8	1092.0	1023.4	950.6	881.2	814.4	747.4	678.3	607.4	535.2
-75°	974.8	934.9	889.4	832.1	773.1	712.8	656.5	598.9	535.8	467.0	400.0
-77.5°	771.9	747.4	719.4	673.7	627.4	580.7	530.4	467.5	403.4	339.9	284.6
-80°	578.6	567.0	550.5	510.7	470.8	431.2	389.3	334.4	279.8	228.6	187.5
-82.5°	381.9	373.9	363.3	336.7	310.5	284.8	258.4	220.2	183.7	149.2	118.6
-85°	208.7	201.9	194.4	181.8	169.3	156.8	144.1	123.1	103.3	84.9	68.4
-87.5°	76.3	73.7	71.1	68.4	65.6	62.8	59.9	53.7	47.7	41.9	36.4
-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: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-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°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	22.7	20.6	18.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	4.3
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	1.3	2.5
82.5°	0.0	0.0	0.0	0.1	1.4	2.1	2.4	2.2	1.2	0.2	0.6
80°	0.0	0.0	0.0	0.2	2.0	4.4	5.4	5.6	4.3	3.0	1.6
77.5°	0.0	0.0	0.0	0.1	0.8	2.4	4.7	7.4	7.4	5.7	4.0
75°	0.0	0.0	0.0	0.3	0.5	0.1	1.7	4.3	6.7	8.1	6.4
72.5°	0.0	0.0	0.0	1.0	2.2	2.3	1.4	1.4	4.7	7.0	8.1
70°	1.2	0.4	0.0	1.4	3.4	5.0	4.6	3.8	3.1	6.0	7.8
67.5°	3.9	4.1	3.1	2.3	3.7	5.7	7.6	7.3	6.4	5.3	7.5
65°	9.6	8.9	8.1	7.2	6.2	6.1	8.0	10.1	9.6	8.2	7.5
62.5°	14.4	14.3	13.2	12.0	10.7	9.3	8.5	11.3	12.5	11.1	9.3
60°	18.5	19.3	18.5	16.8	15.2	13.5	12.2	12.9	14.4	13.9	11.8
57.5°	25.6	24.9	24.5	22.3	19.7	17.6	16.5	16.1	16.5	16.3	14.3
55°	45.2	31.5	31.7	29.3	25.2	21.7	20.8	20.0	19.1	18.8	16.7
52.5°	114.5	63.6	40.8	37.7	32.8	26.8	25.1	23.9	22.7	21.5	19.1
50°	211.5	136.9	77.5	48.6	41.4	35.3	29.3	27.8	26.2	24.4	21.4
47.5°	338.4	235.3	152.9	76.7	53.5	44.1	36.7	31.7	29.7	27.5	23.7
45°	521.3	346.7	240.4	151.9	71.2	60.9	45.3	35.5	33.1	30.4	26.0
42.5°	725.2	508.7	337.3	229.4	136.2	84.3	54.3	43.0	36.5	33.5	28.5
40°	925.2	703.1	453.0	316.3	205.5	113.0	78.1	51.4	39.9	36.8	31.3
37.5°	1146.6	908.7	634.6	409.1	276.1	172.6	107.0	59.9	45.4	40.2	34.2
35°	1420.4	1136.7	816.4	545.0	365.6	227.8	139.2	76.2	55.7	43.8	37.2
32.5°	1693.7	1364.4	1012.7	703.1	459.2	278.7	181.1	108.7	67.9	47.6	40.3
30°	1968.8	1573.0	1197.7	849.4	566.9	360.4	226.2	140.4	81.8	51.5	43.5
27.5°	2216.6	1769.7	1370.8	1002.2	693.2	446.8	273.4	171.0	97.3	58.3	46.7
25°	2496.4	1982.5	1541.2	1148.4	808.7	536.7	321.7	201.1	119.8	70.2	49.9
22.5°	2856.4	2201.0	1699.1	1280.8	923.1	622.8	384.0	240.7	144.6	82.8	53.1
20°	3214.4	2414.5	1853.8	1446.8	1047.5	719.6	456.0	280.2	168.1	95.8	56.3
17.5°	3565.7	2688.1	2078.8	1616.3	1180.5	810.1	523.3	318.9	190.3	109.1	59.5
15°	3880.7	3001.5	2300.1	1776.7	1310.9	893.9	585.5	356.6	211.1	122.5	63.7
12.5°	4145.2	3271.7	2508.4	1926.8	1436.4	970.4	642.4	392.6	230.4	137.3	69.4
10°	4363.8	3500.3	2701.5	2065.4	1555.0	1039.2	693.6	428.8	252.8	153.1	75.4
7.5°	4538.4	3689.0	2877.2	2191.4	1662.7	1103.5	748.6	466.8	274.6	168.0	81.5
5°	4669.7	3836.3	3013.0	2281.6	1748.2	1162.7	799.4	501.8	294.8	182.0	87.6
2.5°	4755.1	3944.7	3113.7	2352.4	1817.9	1212.4	844.0	533.2	313.3	194.8	93.4
0°	4805.3	4022.3	3189.8	2406.8	1871.0	1252.8	881.9	560.5	329.7	206.1	98.9
-2.5°	4850.3	4073.1	3256.3	2501.6	1907.5	1319.0	906.2	585.1	355.7	214.3	109.0
-5°	4865.1	4095.5	3299.8	2574.7	1929.6	1372.6	923.2	605.1	378.5	220.8	118.2
-7.5°	4840.0	4082.0	3315.1	2616.2	1939.9	1410.4	933.1	620.9	397.2	226.0	126.2
-10°	4784.3	4037.9	3295.0	2603.7	1953.9	1422.3	938.9	632.4	410.6	229.8	132.9
-12.5°	4701.6	3971.1	3251.6	2576.0	1951.4	1414.7	954.4	641.4	417.7	232.4	137.8
-15°	4593.3	3883.8	3185.4	2535.2	1928.0	1397.7	958.3	644.7	416.9	237.2	140.8
-17.5°	4465.8	3777.9	3096.7	2483.2	1882.3	1372.1	949.6	640.7	412.7	244.3	143.8
-20°	4338.2	3660.3	2991.4	2421.7	1813.4	1338.8	927.5	628.9	405.2	248.9	146.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-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°	4188.6	3525.3	2900.5	2335.9	1738.7	1298.7	891.4	608.9	394.3	250.9	148.1
-25°	4016.7	3367.6	2791.1	2218.0	1679.9	1253.3	854.1	580.4	380.3	250.2	147.6
-27.5°	3822.3	3199.2	2662.3	2088.8	1618.8	1189.9	818.7	559.6	368.4	246.7	145.4
-30°	3605.5	3040.6	2508.3	1964.6	1544.2	1121.5	772.4	536.2	363.1	242.1	141.4
-32.5°	3371.8	2861.9	2342.7	1870.0	1459.2	1050.4	731.6	509.7	354.0	236.2	141.6
-35°	3152.6	2667.6	2173.8	1760.7	1369.2	1008.3	704.3	480.4	341.2	228.0	142.4
-37.5°	2917.9	2463.8	2040.0	1646.8	1274.4	960.0	682.2	467.2	324.7	217.4	141.8
-40°	2692.0	2270.5	1885.2	1538.3	1204.2	905.5	647.3	452.6	308.8	204.6	140.0
-42.5°	2463.4	2088.8	1737.1	1420.2	1138.1	852.8	602.7	430.1	296.0	197.3	136.7
-45°	2253.0	1901.2	1579.5	1317.1	1064.5	785.4	568.4	401.9	280.3	191.9	133.8
-47.5°	2031.8	1710.1	1435.5	1204.4	968.3	712.1	524.8	379.7	261.3	185.0	131.9
-50°	1803.6	1529.2	1300.8	1080.4	850.5	650.9	478.2	353.2	254.5	179.6	128.6
-52.5°	1603.8	1370.2	1163.1	953.0	761.6	579.4	442.8	324.8	245.5	174.9	124.1
-55°	1431.8	1219.1	1027.4	848.5	676.9	526.8	402.8	311.3	234.4	169.2	118.5
-57.5°	1279.7	1079.0	916.0	755.3	606.3	476.2	374.6	295.2	222.7	161.3	113.5
-60°	1131.9	967.2	814.8	671.6	540.3	432.4	352.6	276.7	208.8	151.2	108.0
-62.5°	995.3	850.2	717.7	588.3	481.2	396.9	327.4	255.2	192.3	138.6	100.6
-65°	852.0	728.4	616.3	514.7	427.6	355.2	294.8	230.7	170.7	123.5	91.1
-67.5°	703.0	612.3	524.8	440.1	369.0	308.2	257.4	198.3	145.4	106.0	80.0
-70°	585.5	505.6	431.5	365.0	307.0	257.4	210.4	160.2	117.2	90.8	68.2
-72.5°	466.1	400.9	340.2	287.3	245.9	203.8	161.1	122.6	97.2	74.9	55.8
-75°	345.0	300.9	261.4	224.6	187.3	150.5	122.8	97.5	76.6	58.3	47.0
-77.5°	250.3	218.5	189.4	166.1	140.5	116.0	92.7	71.5	58.0	48.4	39.5
-80°	170.1	153.4	137.3	121.0	100.3	80.8	66.8	55.0	46.7	39.0	31.8
-82.5°	107.2	98.2	90.2	82.0	70.0	59.2	49.6	41.5	35.2	29.4	25.8
-85°	63.6	58.8	54.1	49.5	42.8	37.0	34.2	31.6	28.9	26.2	23.4
-87.5°	35.8	35.3	34.7	34.1	32.5	30.9	29.5	28.2	25.8	23.4	21.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	6.1

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Scaled Data Report



REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	16.5	14.4	12.4	10.3	8.2	8.2	8.2
87.5°	6.1	6.9	7.5	7.9	8.2	8.2	8.2
85°	4.0	5.6	6.8	7.7	8.2	8.2	8.2
82.5°	1.9	4.3	6.1	7.4	8.2	8.2	8.2
80°	0.4	3.0	5.5	7.2	8.2	8.2	8.2
77.5°	2.5	2.7	4.8	7.0	8.2	8.2	8.2
75°	4.6	4.0	4.5	6.8	8.2	8.2	8.2
72.5°	6.6	5.3	5.2	6.6	8.2	8.2	8.2
70°	8.2	6.5	5.9	6.6	8.2	8.2	8.2
67.5°	8.4	7.7	6.5	6.8	8.2	8.2	8.2
65°	8.8	8.5	7.1	7.1	8.2	8.2	8.2
62.5°	9.2	9.1	7.7	7.4	8.2	8.2	8.2
60°	9.8	9.9	8.2	7.6	8.2	8.2	8.2
57.5°	11.7	10.7	9.0	7.8	8.3	8.2	8.2
55°	13.8	11.5	9.8	7.9	8.4	8.2	8.2
52.5°	15.9	12.6	10.7	8.1	8.6	8.2	8.2
50°	17.9	14.3	11.6	8.2	8.8	8.2	8.2
47.5°	19.9	15.9	12.6	8.4	9.0	8.2	8.2
45°	21.8	17.6	13.6	9.2	9.2	8.2	8.2
42.5°	23.7	19.1	14.6	9.9	9.5	8.2	8.2
40°	25.5	20.6	15.8	10.9	9.8	8.2	8.2
37.5°	27.3	22.1	16.9	12.0	10.1	8.2	8.2
35°	29.0	23.6	18.1	13.1	10.5	8.2	8.2
32.5°	31.0	24.9	19.2	14.2	10.8	8.2	8.2
30°	33.4	26.3	20.2	15.2	11.2	8.2	8.2
27.5°	35.9	27.6	21.5	16.2	11.6	8.2	8.2
25°	38.3	28.8	22.8	17.1	12.1	8.2	8.2
22.5°	40.7	30.0	24.1	18.1	12.5	8.2	8.2
20°	43.1	31.6	25.3	19.0	13.0	8.2	8.2
17.5°	45.5	33.0	26.4	19.8	13.5	8.2	8.2
15°	47.7	34.4	27.5	20.7	13.9	8.2	8.2
12.5°	49.9	35.7	28.6	21.4	14.4	8.2	8.2
10°	51.8	36.9	29.6	22.2	14.8	8.2	8.2
7.5°	53.5	38.1	30.5	22.9	15.3	8.2	8.2
5°	55.1	39.2	31.4	23.5	15.7	8.2	8.2
2.5°	56.5	40.3	32.2	24.1	16.1	8.2	8.2
0°	57.7	41.2	33.0	24.7	16.5	8.2	8.2
-2.5°	60.9	42.1	33.7	24.7	16.5	8.2	8.2
-5°	63.8	42.9	34.3	24.6	16.4	8.2	8.2
-7.5°	66.4	43.6	34.8	24.5	16.4	8.2	8.2
-10°	68.5	44.2	35.2	24.3	16.2	8.2	8.2
-12.5°	70.1	44.8	35.4	24.1	16.1	8.2	8.2
-15°	71.1	45.2	35.6	23.9	15.9	8.2	8.2
-17.5°	71.5	45.6	35.5	23.6	15.7	8.2	8.2
-20°	73.3	45.9	35.3	23.2	15.5	8.2	8.2

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REPORT NUMBER: P627720 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	78.0	46.0	34.8	22.8	15.2	8.2	8.2
-25°	81.9	49.1	34.2	22.4	14.9	8.2	8.2
-27.5°	84.9	52.9	33.4	21.9	14.6	8.2	8.2
-30°	87.0	56.2	32.6	21.4	14.3	8.2	8.2
-32.5°	88.1	58.9	33.8	20.8	13.9	8.2	8.2
-35°	90.5	61.0	34.6	20.2	13.5	8.2	8.2
-37.5°	92.9	62.4	35.2	19.6	13.1	8.2	8.2
-40°	94.3	62.9	35.5	18.9	12.6	8.2	8.2
-42.5°	94.8	62.9	35.7	18.5	12.1	8.2	8.2
-45°	94.3	62.4	35.9	18.6	11.6	8.2	8.2
-47.5°	92.9	61.5	35.7	18.5	11.1	8.2	8.2
-50°	91.0	60.1	35.0	18.3	10.6	8.2	8.2
-52.5°	88.4	58.2	34.0	17.9	10.0	8.2	8.2
-55°	85.3	55.8	32.5	17.4	9.4	8.2	8.2
-57.5°	81.5	52.8	30.7	16.8	8.8	8.2	8.2
-60°	77.0	49.2	28.5	16.0	8.2	8.2	8.2
-62.5°	70.8	45.1	27.0	15.2	8.2	8.2	8.2
-65°	63.9	40.4	25.2	14.2	8.2	8.2	8.2
-67.5°	56.2	36.3	23.2	13.1	8.2	8.2	8.2
-70°	47.8	33.0	21.1	11.9	8.2	8.2	8.2
-72.5°	42.2	29.4	18.8	11.6	8.2	8.2	8.2
-75°	36.8	25.6	16.4	11.5	8.2	8.2	8.2
-77.5°	31.0	21.6	15.5	11.4	8.2	8.2	8.2
-80°	25.1	19.4	15.0	11.2	8.2	8.2	8.2
-82.5°	22.7	18.3	14.4	11.0	8.2	8.2	8.2
-85°	20.7	17.0	13.7	10.8	8.2	8.2	8.2
-87.5°	18.6	15.7	13.1	10.5	8.2	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(END OF REPORT)