

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: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-740-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627350 (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-SA4B-740-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

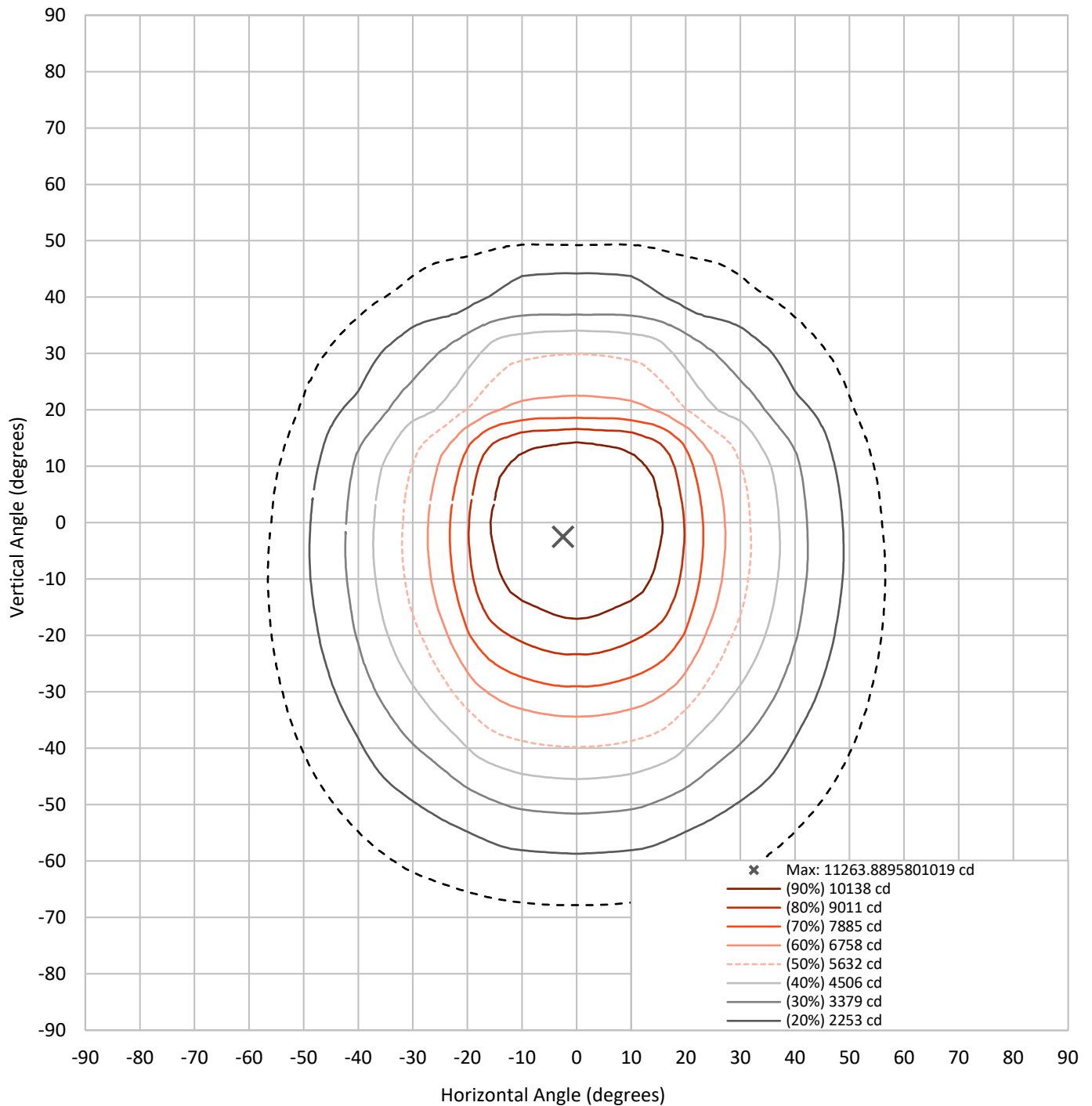
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	15032 lumens	Max Intensity:	11263.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	116.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	8697 lumens	Field Lumens:	14264.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	129.5		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





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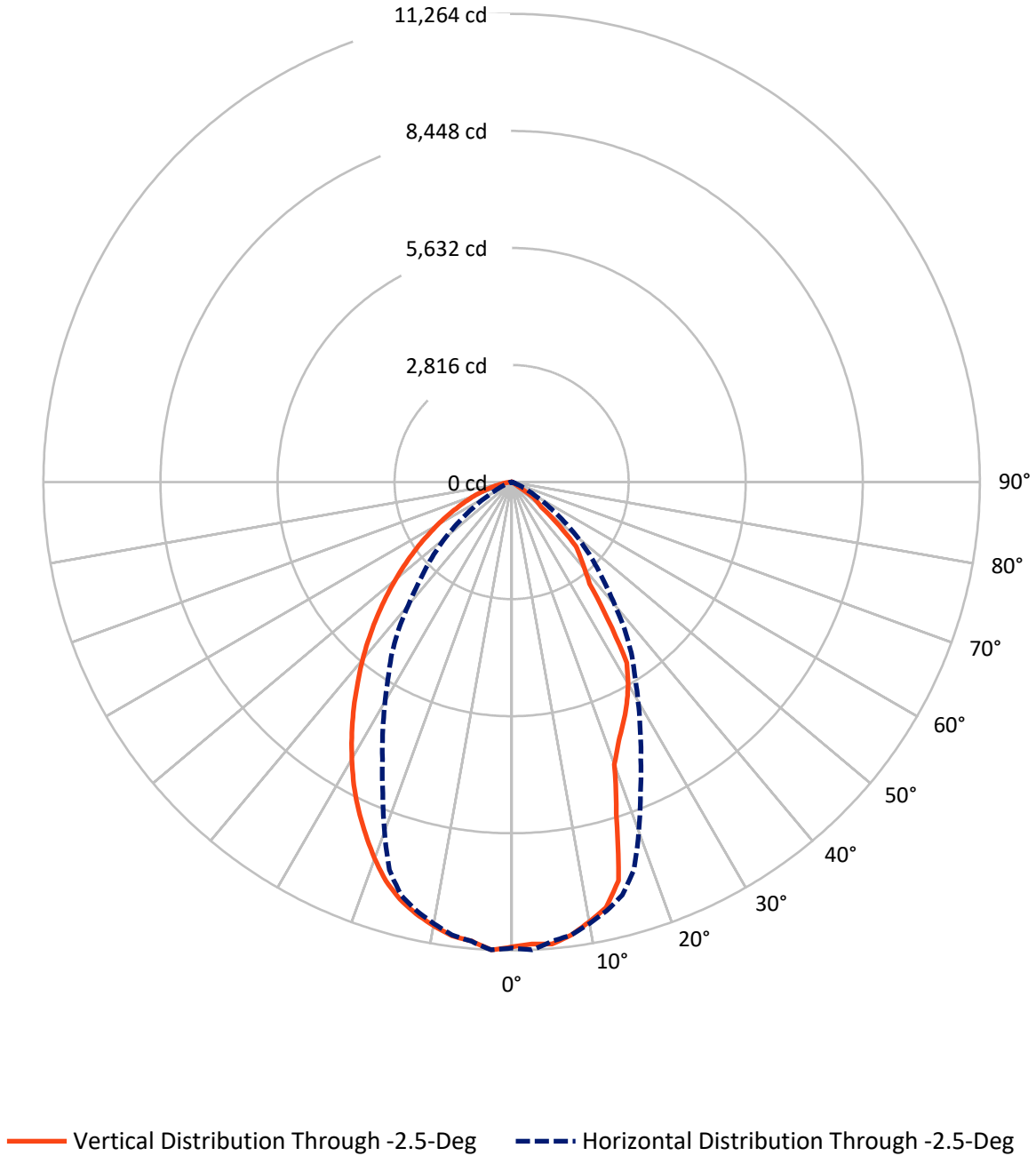
CATALOG NUMBER: GFLD-SA4B-740-U-VWR-VSR-XX

### Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.1	0.3	1.4	4.1	7.9	11.7	14.6	14.6	11.7	7.9	4.1	1.4	0.3	0.1				
40	0.2	0.3	1.7	7.7	18.6	33.6	49.6	60.7	60.7	49.6	33.6	18.6	7.7	1.7	0.3	0.2	0.2		
30		0.7	5.6	19.5	43.5	70.6	105.9	123.8	123.8	105.9	70.6	43.5	19.5	5.6	0.7				
20	0.5	1.7	10.8	34.6	70.2	111.3	166.9	191.9	191.9	166.9	111.3	70.2	34.6	10.8	1.7	0.5	0.5		
10		2.9	16.6	51.2	101.1	166.4	247.8	284.1	284.1	247.8	166.4	101.1	51.2	16.6	2.9				
0	0.8	3.9	21.5	60.8	121.0	198.9	292.6	332.0	332.0	292.6	198.9	121.0	60.8	21.5	3.9	0.8	0.8		
-10		4.6	23.8	63.1	124.2	203.4	294.7	333.2	333.2	294.7	203.4	124.2	63.1	23.8	4.6				
-20	1.0	4.8	23.2	59.8	117.1	190.5	273.5	309.1	309.1	273.5	190.5	117.1	59.8	23.2	4.8	1.0	1.0		
-30		4.4	20.3	52.1	101.2	161.9	229.3	259.7	259.7	229.3	161.9	101.2	52.1	20.3	4.4				
-40	0.9	3.7	16.2	41.0	79.6	124.9	175.1	198.3	198.3	175.1	124.9	79.6	41.0	16.2	3.7	0.9	0.9		
-50		3.0	12.0	29.2	57.0	87.8	121.2	137.6	137.6	121.2	87.8	57.0	29.2	12.0	3.0				
-60	0.7	2.2	7.8	18.8	35.4	54.5	74.1	84.5	84.5	74.1	54.5	35.4	18.8	7.8	2.2	0.7	0.7		
-70		1.6	4.7	11.0	19.5	28.9	38.3	43.4	43.4	38.3	28.9	19.5	11.0	4.7	1.6				
-80	0.3	3.5	16.2	35.3	39.5	35.3	16.2	3.5	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

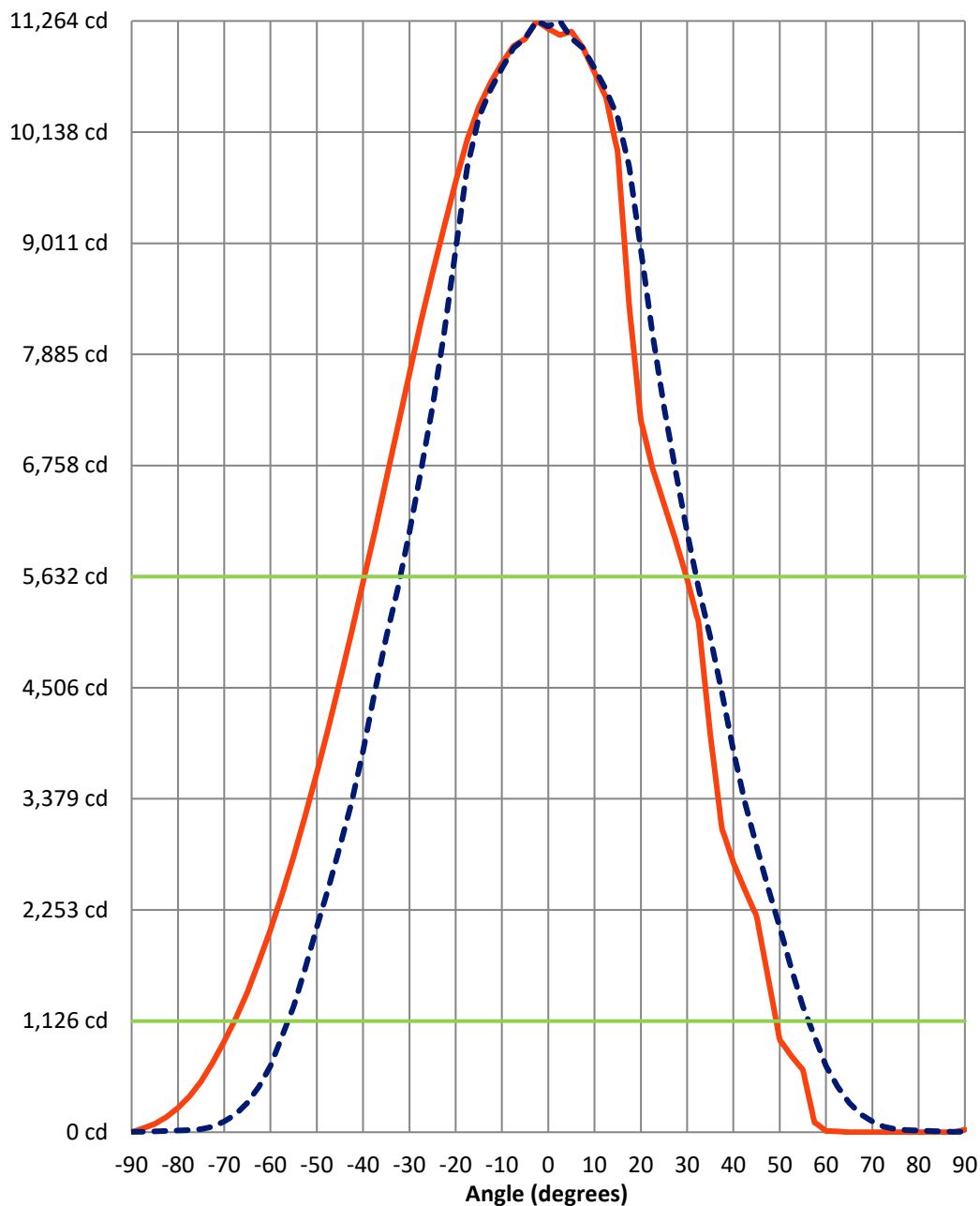
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 8697  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 14264.4  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 767.6  
 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°	4.2	4.2	4.2	5.2	6.3	7.4	8.4	9.5	10.5	11.6	12.6
87.5°	4.2	4.2	4.2	4.1	3.8	3.5	3.1	2.2	1.4	0.7	0.0
85°	4.2	4.2	4.2	3.9	3.5	2.8	2.0	1.3	0.7	0.3	0.0
82.5°	4.2	4.2	4.2	3.8	3.1	2.2	1.0	0.3	0.1	0.6	1.1
80°	4.2	4.2	4.2	3.7	2.8	1.6	0.2	0.8	1.5	2.2	2.9
77.5°	4.2	4.2	4.2	3.6	2.5	1.4	1.3	2.1	2.9	3.8	3.8
75°	4.2	4.2	4.2	3.5	2.3	2.1	2.3	3.3	4.1	3.4	2.2
72.5°	4.2	4.2	4.2	3.4	2.7	2.7	3.4	4.1	3.6	2.4	0.7
70°	4.2	4.2	4.2	3.4	3.0	3.3	4.2	4.0	3.1	1.6	1.9
67.5°	4.2	4.2	4.2	3.5	3.4	3.9	4.3	3.9	2.7	3.3	3.7
65°	4.2	4.2	4.2	3.6	3.7	4.4	4.5	3.8	4.2	4.9	5.2
62.5°	4.2	4.2	4.2	3.8	3.9	4.7	4.7	4.7	5.7	6.4	5.8
60°	4.2	4.2	4.2	3.9	4.2	5.0	5.0	6.0	7.1	7.3	6.6
57.5°	4.2	4.2	4.2	4.0	4.6	5.4	6.0	7.3	8.3	8.4	8.2
55°	4.2	4.2	4.3	4.1	5.0	5.9	7.0	8.5	9.6	9.8	10.2
52.5°	4.2	4.2	4.4	4.1	5.5	6.4	8.1	9.7	10.9	11.6	12.2
50°	4.2	4.2	4.5	4.2	5.9	7.3	9.1	10.9	12.4	13.3	14.2
47.5°	4.2	4.2	4.6	4.3	6.4	8.1	10.1	12.1	14.0	15.1	16.1
45°	4.2	4.2	4.7	4.7	6.9	8.9	11.1	13.2	15.5	16.9	18.1
42.5°	4.2	4.2	4.8	5.1	7.4	9.7	12.1	14.5	17.1	18.6	21.9
40°	4.2	4.2	5.0	5.6	8.0	10.5	13.0	15.9	18.7	20.3	26.2
37.5°	4.2	4.2	5.2	6.1	8.6	11.3	13.9	17.4	20.5	23.1	30.5
35°	4.2	4.2	5.3	6.7	9.2	12.0	14.8	19.0	22.3	28.4	38.8
32.5°	4.2	4.2	5.5	7.2	9.8	12.7	15.8	20.5	24.2	34.6	55.5
30°	4.2	4.2	5.7	7.7	10.3	13.4	17.0	22.1	26.2	41.7	71.6
27.5°	4.2	4.2	5.9	8.2	11.0	14.0	18.3	23.8	29.7	49.6	87.3
25°	4.2	4.2	6.2	8.7	11.6	14.7	19.5	25.4	35.8	61.1	102.6
22.5°	4.2	4.2	6.4	9.2	12.3	15.3	20.7	27.1	42.2	73.8	122.8
20°	4.2	4.2	6.6	9.7	12.9	16.1	21.9	28.7	48.9	85.8	142.9
17.5°	4.2	4.2	6.9	10.1	13.5	16.8	23.1	30.3	55.7	97.1	162.7
15°	4.2	4.2	7.1	10.5	14.0	17.5	24.3	32.5	62.5	107.7	181.9
12.5°	4.2	4.2	7.3	10.9	14.6	18.2	25.4	35.4	70.1	117.5	200.3
10°	4.2	4.2	7.6	11.3	15.1	18.8	26.4	38.5	78.1	128.9	218.8
7.5°	4.2	4.2	7.8	11.7	15.5	19.4	27.3	41.6	85.7	140.0	238.2
5°	4.2	4.2	8.0	12.0	16.0	20.0	28.1	44.7	92.8	150.4	256.0
2.5°	4.2	4.2	8.2	12.3	16.4	20.5	28.8	47.7	99.3	159.8	272.0
0°	4.2	4.2	8.4	12.6	16.8	21.0	29.4	50.5	105.1	168.2	285.9
-2.5°	4.2	4.2	8.4	12.6	16.8	21.0	29.4	50.5	105.1	168.2	285.9
-5°	4.2	4.2	8.4	12.6	17.5	21.8	32.5	60.3	112.6	193.1	308.7
-7.5°	4.2	4.2	8.3	12.5	17.7	22.2	33.8	64.4	115.2	202.6	316.7
-10°	4.2	4.2	8.3	12.4	17.9	22.5	34.9	67.8	117.2	209.5	322.6
-12.5°	4.2	4.2	8.2	12.3	18.1	22.8	35.7	70.3	118.5	213.1	327.2
-15°	4.2	4.2	8.1	12.2	18.1	23.0	36.2	71.8	121.0	212.7	328.9
-17.5°	4.2	4.2	8.0	12.0	18.1	23.2	36.4	73.4	124.6	210.5	326.8
-20°	4.2	4.2	7.9	11.8	18.0	23.4	37.4	74.9	127.0	206.7	320.8

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4B-740-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°	4.2	4.2	7.8	11.6	17.8	23.5	39.8	75.5	128.0	201.2	310.6
-25°	4.2	4.2	7.6	11.4	17.4	25.0	41.8	75.3	127.7	194.0	296.1
-27.5°	4.2	4.2	7.4	11.2	17.0	27.0	43.3	74.2	125.9	187.9	285.5
-30°	4.2	4.2	7.3	10.9	16.6	28.6	44.3	72.1	123.5	185.2	273.5
-32.5°	4.2	4.2	7.1	10.6	17.2	30.0	44.9	72.2	120.5	180.6	260.0
-35°	4.2	4.2	6.9	10.3	17.7	31.1	46.1	72.6	116.3	174.1	245.1
-37.5°	4.2	4.2	6.7	10.0	18.0	31.8	47.4	72.3	110.9	165.6	238.4
-40°	4.2	4.2	6.4	9.6	18.1	32.1	48.1	71.4	104.4	157.5	230.9
-42.5°	4.2	4.2	6.2	9.4	18.2	32.1	48.4	69.7	100.6	151.0	219.4
-45°	4.2	4.2	5.9	9.5	18.3	31.9	48.1	68.3	97.9	143.0	205.0
-47.5°	4.2	4.2	5.7	9.4	18.2	31.4	47.4	67.3	94.4	133.3	193.7
-50°	4.2	4.2	5.4	9.3	17.9	30.7	46.4	65.6	91.6	129.8	180.2
-52.5°	4.2	4.2	5.1	9.1	17.3	29.7	45.1	63.3	89.3	125.3	165.7
-55°	4.2	4.2	4.8	8.9	16.6	28.5	43.5	60.5	86.4	119.6	158.8
-57.5°	4.2	4.2	4.5	8.6	15.6	27.0	41.6	58.0	82.3	113.6	150.6
-60°	4.2	4.2	4.2	8.2	14.5	25.1	39.3	55.1	77.1	106.5	141.2
-62.5°	4.2	4.2	4.2	7.7	13.7	23.0	36.1	51.4	70.7	98.1	130.2
-65°	4.2	4.2	4.2	7.2	12.8	20.6	32.6	46.5	63.0	87.1	117.7
-67.5°	4.2	4.2	4.2	6.7	11.8	18.5	28.6	40.8	54.1	74.2	101.1
-70°	4.2	4.2	4.2	6.1	10.8	16.8	24.4	34.8	46.3	59.8	81.7
-72.5°	4.2	4.2	4.2	5.9	9.6	15.0	21.5	28.4	38.2	49.6	62.6
-75°	4.2	4.2	4.2	5.9	8.4	13.0	18.7	24.0	29.7	39.0	49.7
-77.5°	4.2	4.2	4.2	5.8	7.9	11.0	15.8	20.1	24.7	29.5	36.4
-80°	4.2	4.2	4.2	5.7	7.6	9.9	12.8	16.2	19.9	23.8	28.0
-82.5°	4.2	4.2	4.2	5.6	7.3	9.3	11.6	13.2	15.0	18.0	21.2
-85°	4.2	4.2	4.2	5.5	7.0	8.7	10.5	11.9	13.3	14.7	16.1
-87.5°	4.2	4.2	4.2	5.4	6.7	8.0	9.5	10.7	11.9	13.1	14.4
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	3.1	2.1	1.0	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°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	13.7	14.7	15.8
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	1.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.8	2.2	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.9	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.7	1.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.4	2.6	1.7	0.7	0.0	0.2	0.6	0.4	0.0	0.2	0.5
67.5°	3.9	2.9	1.9	1.2	1.6	2.1	2.0	2.1	2.3	2.5	2.1
65°	4.1	3.1	3.1	3.7	4.1	4.5	4.9	5.2	4.4	3.8	3.9
62.5°	4.4	4.7	5.5	6.1	6.7	7.3	7.3	6.5	5.0	6.2	7.1
60°	6.2	6.9	7.7	8.6	9.4	9.9	9.4	9.5	10.6	12.3	23.6
57.5°	8.4	9.0	10.0	11.4	12.5	12.7	13.1	14.2	33.3	54.4	60.1
55°	10.6	11.1	12.8	14.9	16.1	16.0	23.1	48.6	73.4	101.7	112.1
52.5°	12.8	13.7	16.7	19.2	20.8	32.4	58.4	93.1	129.7	162.2	204.1
50°	14.9	18.0	21.1	24.8	39.5	69.8	107.9	155.2	210.3	262.2	315.3
47.5°	18.7	22.5	27.3	39.1	78.0	120.0	172.6	248.8	316.7	379.5	452.4
45°	23.1	31.1	36.3	77.4	122.6	176.9	265.9	359.0	420.7	504.7	633.6
42.5°	27.7	43.0	69.4	117.0	172.0	259.5	370.0	449.3	531.4	667.5	803.1
40°	39.8	57.7	104.8	161.3	231.1	358.7	472.0	561.9	673.8	824.8	966.4
37.5°	54.6	88.0	140.8	208.6	323.7	463.6	584.9	713.3	842.0	984.4	1246.9
35°	71.0	116.2	186.5	278.0	416.5	579.8	724.5	868.0	1016.3	1296.7	1557.2
32.5°	92.4	142.2	234.2	358.6	516.6	696.0	864.0	1029.8	1267.8	1585.0	1846.4
30°	115.4	183.9	289.2	433.3	610.9	802.4	1004.3	1205.1	1520.1	1782.6	2066.4
27.5°	139.5	227.9	353.6	511.2	699.3	902.8	1130.7	1417.1	1698.0	1957.4	2269.3
25°	164.2	273.8	412.5	585.8	786.2	1011.3	1273.4	1622.3	1842.0	2128.7	2454.0
22.5°	196.0	317.6	470.8	653.4	866.8	1122.8	1457.1	1807.4	2066.0	2307.2	2624.9
20°	232.7	367.0	534.3	738.1	945.7	1231.7	1639.7	2008.1	2312.4	2588.5	2880.3
17.5°	267.0	413.2	602.2	824.6	1060.5	1371.3	1819.0	2226.7	2561.5	2869.1	3233.5
15°	298.7	456.0	668.7	906.4	1173.3	1531.1	1979.6	2427.4	2809.7	3155.8	3569.9
12.5°	327.7	495.0	732.8	982.9	1279.6	1669.0	2114.6	2551.6	2971.8	3422.9	3892.8
10°	353.8	530.1	793.3	1053.7	1378.1	1785.6	2226.1	2655.2	3079.1	3556.5	4078.6
7.5°	381.9	562.9	848.2	1117.9	1467.7	1881.9	2315.1	2738.3	3165.9	3663.3	4199.4
5°	407.8	593.1	891.8	1163.9	1537.0	1957.0	2382.2	2801.4	3231.7	3743.0	4290.8
2.5°	430.6	618.5	927.4	1200.1	1588.4	2012.3	2425.7	2854.0	3280.6	3807.7	4360.6
0°	449.9	639.1	954.5	1227.8	1627.2	2051.9	2451.4	2888.6	3309.1	3851.5	4406.6
-2.5°	462.3	672.9	973.1	1276.1	1661.1	2077.8	2474.3	2898.3	3339.9	3865.4	4458.1
-5°	471.0	700.2	984.4	1313.4	1683.3	2089.2	2481.8	2890.8	3348.1	3861.9	4465.7
-7.5°	476.0	719.5	989.6	1334.6	1691.1	2082.4	2469.0	2876.6	3334.6	3848.7	4432.3
-10°	479.0	725.6	996.7	1328.2	1680.8	2059.8	2440.6	2843.2	3296.5	3805.7	4368.9
-12.5°	486.9	721.7	995.5	1314.1	1658.7	2025.8	2398.4	2790.3	3232.9	3732.4	4281.2
-15°	488.8	713.0	983.5	1293.3	1624.9	1981.2	2343.2	2717.7	3154.5	3660.9	4184.2
-17.5°	484.4	700.0	960.2	1266.7	1579.7	1927.2	2278.2	2652.4	3081.0	3578.4	4082.3
-20°	473.2	683.0	925.0	1235.4	1526.0	1867.2	2213.1	2583.9	2996.5	3464.0	3968.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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°	454.7	662.5	886.9	1191.6	1479.6	1798.3	2136.7	2490.6	2890.6	3315.7	3815.1
-25°	435.7	639.3	857.0	1131.4	1423.8	1717.9	2049.0	2376.5	2766.2	3183.7	3626.9
-27.5°	417.6	607.0	825.8	1065.5	1358.1	1632.0	1949.9	2269.2	2626.3	3035.5	3443.5
-30°	394.0	572.1	787.7	1002.2	1279.5	1551.1	1839.3	2153.6	2474.7	2863.0	3264.4
-32.5°	373.2	535.8	744.4	953.9	1195.1	1459.9	1720.0	2019.6	2333.0	2664.0	3060.7
-35°	359.3	514.3	698.5	898.2	1108.9	1360.8	1608.2	1868.5	2172.0	2482.7	2831.0
-37.5°	348.0	489.7	650.1	840.1	1040.7	1256.9	1488.5	1727.9	1992.8	2306.0	2633.5
-40°	330.2	461.9	614.3	784.7	961.7	1158.3	1373.3	1590.1	1819.6	2125.6	2448.7
-42.5°	307.5	435.0	580.5	724.4	886.1	1065.6	1256.7	1460.8	1681.5	1947.2	2244.2
-45°	290.0	400.7	543.0	671.9	805.8	969.9	1149.3	1334.3	1542.3	1770.5	2037.3
-47.5°	267.7	363.3	493.9	614.4	732.3	872.4	1036.5	1211.5	1395.8	1601.5	1820.1
-50°	243.9	332.1	433.9	551.1	663.6	780.1	920.1	1081.9	1249.2	1428.4	1623.4
-52.5°	225.9	295.6	388.5	486.2	593.3	699.0	818.2	957.0	1106.3	1256.0	1427.6
-55°	205.4	268.7	345.3	432.9	524.1	621.9	730.4	852.0	973.8	1111.3	1248.2
-57.5°	191.1	242.9	309.3	385.3	467.3	550.4	652.9	755.6	868.3	982.2	1095.8
-60°	179.9	220.6	275.6	342.6	415.7	493.4	577.4	672.4	769.4	862.4	960.5
-62.5°	167.0	202.5	245.5	300.1	366.1	433.7	507.7	589.1	676.9	755.2	831.2
-65°	150.4	181.2	218.1	262.6	314.5	371.6	434.6	503.2	579.1	642.6	704.8
-67.5°	131.3	157.2	188.3	224.6	267.8	312.4	358.6	416.6	478.2	530.0	580.7
-70°	107.3	131.3	156.6	186.3	220.2	257.9	298.7	340.7	382.9	425.2	471.5
-72.5°	82.2	104.0	125.5	146.6	173.6	204.6	237.8	273.0	309.8	346.0	381.2
-75°	62.6	76.8	95.6	114.6	133.4	153.5	176.0	204.0	238.2	273.3	305.5
-77.5°	47.3	59.2	71.7	84.8	96.6	111.5	127.7	145.1	173.4	205.8	238.5
-80°	34.1	41.2	51.2	61.7	70.1	78.2	86.8	95.6	116.6	142.7	170.6
-82.5°	25.3	30.2	35.7	41.9	46.1	50.1	54.7	60.5	76.1	93.7	112.3
-85°	17.4	18.9	21.8	25.3	27.6	30.0	32.4	34.9	43.3	52.7	62.8
-87.5°	15.0	15.7	16.5	17.4	17.7	18.0	18.3	18.5	21.4	24.3	27.4
-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: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.8	17.9	18.9	20.0	21.0	22.1	23.1	24.2	25.2	25.2	25.2
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°	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.9	2.1	2.2	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.4	4.2	3.1	2.0	1.0	1.6	2.5	3.0	3.1	2.7	2.1
62.5°	6.7	6.1	5.5	6.4	7.6	8.8	8.5	8.0	7.5	7.1	7.4
60°	24.9	16.6	19.1	24.1	22.5	15.4	25.3	28.7	24.4	16.7	16.1
57.5°	63.0	60.9	69.7	101.8	112.0	102.1	122.0	148.1	147.3	126.9	126.2
55°	134.3	180.2	235.6	244.5	283.1	360.3	420.5	394.1	393.9	413.7	477.6
52.5°	255.1	298.4	314.5	357.5	438.1	496.5	534.1	573.0	615.6	659.1	703.2
50°	374.3	416.4	464.1	508.2	619.7	679.7	669.7	750.2	853.3	917.7	950.8
47.5°	549.0	615.3	716.2	874.2	957.4	1017.6	1092.4	1183.7	1301.8	1462.0	1585.4
45°	754.8	859.0	1015.1	1182.9	1312.1	1370.9	1456.6	1597.9	1786.2	1969.6	2103.5
42.5°	923.0	1065.9	1241.9	1402.3	1507.7	1604.3	1715.2	1834.4	2050.1	2246.0	2400.7
40°	1142.4	1253.8	1451.2	1602.5	1696.8	1792.6	1968.3	2146.6	2349.5	2532.0	2658.8
37.5°	1420.5	1545.9	1751.3	1922.3	2013.1	2047.0	2345.7	2594.0	2758.9	2991.9	3068.0
35°	1719.3	1925.6	2187.4	2409.1	2498.1	2675.9	2983.7	3330.1	3705.5	3843.5	3961.1
32.5°	2052.7	2307.1	2662.4	2900.3	3027.4	3297.1	3686.6	4056.4	4547.2	4813.6	4893.2
30°	2357.6	2649.6	2955.0	3186.2	3403.5	3728.3	4083.5	4539.4	4993.3	5333.9	5439.6
27.5°	2581.4	2904.5	3198.0	3414.7	3659.8	4009.9	4452.8	4914.6	5360.1	5707.5	5831.0
25°	2795.1	3160.3	3392.7	3644.5	3932.3	4314.0	4804.8	5317.8	5756.6	6050.3	6201.7
22.5°	3038.1	3398.1	3647.6	3861.0	4237.3	4677.0	5132.6	5712.3	6177.2	6411.5	6575.7
20°	3288.8	3696.3	4081.6	4280.1	4605.7	5162.5	5672.5	6219.8	6668.7	6912.9	7085.8
17.5°	3638.8	4158.0	4630.6	4911.7	5260.4	5926.1	6562.5	7116.1	7740.6	7961.2	8172.5
15°	4007.8	4608.7	5162.4	5607.6	6058.0	6717.6	7536.8	8204.9	8917.4	9235.7	9595.5
12.5°	4375.6	4944.2	5445.9	6020.2	6655.0	7238.5	8018.4	8850.3	9496.9	9902.7	10145.0
10°	4650.5	5178.6	5661.4	6237.1	6870.7	7530.7	8305.7	9158.5	9835.4	10181.7	10379.5
7.5°	4799.0	5304.4	5813.6	6397.0	7027.7	7730.7	8529.2	9375.3	10067.5	10403.0	10598.1
5°	4909.2	5394.6	5921.9	6536.0	7173.7	7886.5	8684.0	9520.0	10151.1	10507.7	10754.5
2.5°	4975.9	5451.8	5990.9	6625.9	7265.1	8007.5	8843.5	9710.1	10262.2	10549.1	10776.1
0°	4995.2	5474.6	6029.6	6672.9	7328.8	8077.3	8905.6	9763.4	10322.6	10600.1	10831.4
-2.5°	5017.0	5510.5	6080.8	6703.4	7353.8	8100.1	8945.6	9781.4	10284.5	10564.5	10784.5
-5°	5001.8	5513.3	6081.8	6678.2	7332.8	8073.2	8884.9	9666.4	10192.6	10495.4	10714.1
-7.5°	4956.6	5475.3	6037.9	6611.1	7253.3	8002.1	8810.3	9562.9	10096.0	10415.2	10654.6
-10°	4890.7	5394.3	5960.8	6541.3	7175.8	7888.6	8684.4	9432.4	9942.6	10281.6	10560.6
-12.5°	4817.7	5310.9	5856.9	6413.7	7041.2	7745.2	8516.3	9224.4	9731.6	10101.3	10300.7
-15°	4709.5	5202.4	5724.4	6263.0	6874.7	7557.6	8294.1	8973.6	9471.6	9772.4	9992.8
-17.5°	4571.9	5055.6	5550.5	6061.3	6637.6	7310.1	8051.2	8721.2	9127.2	9395.9	9612.4
-20°	4424.6	4871.8	5340.7	5822.7	6381.2	7047.5	7775.3	8359.7	8742.4	9000.5	9205.0



REPORT NUMBER: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-740-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°	4256.3	4687.0	5116.1	5576.9	6124.6	6735.4	7378.2	7943.0	8354.4	8589.6	8778.6
-25°	4064.2	4483.1	4890.7	5335.7	5839.0	6388.1	6985.8	7540.8	7909.3	8159.0	8346.4
-27.5°	3857.2	4250.8	4649.0	5048.6	5501.1	6048.2	6601.7	7117.3	7431.8	7683.6	7872.1
-30°	3650.7	4004.8	4373.1	4751.4	5176.1	5669.3	6187.2	6620.7	6952.4	7197.0	7372.0
-32.5°	3426.8	3762.9	4089.1	4442.7	4842.6	5277.3	5731.7	6144.1	6498.6	6722.7	6870.1
-35°	3197.6	3522.8	3821.6	4142.5	4495.2	4870.3	5289.8	5696.5	6046.5	6223.8	6367.6
-37.5°	2958.8	3283.1	3566.3	3834.4	4138.3	4485.7	4894.2	5282.3	5584.7	5737.1	5866.7
-40°	2751.2	3036.7	3291.6	3548.1	3795.2	4103.7	4484.9	4860.7	5103.3	5251.8	5372.2
-42.5°	2549.6	2790.5	2999.2	3229.2	3476.4	3780.5	4088.2	4403.2	4598.2	4763.1	4889.8
-45°	2314.8	2530.1	2725.9	2917.2	3142.6	3420.3	3699.7	3952.0	4134.7	4294.0	4417.5
-47.5°	2055.2	2263.0	2453.1	2624.2	2833.7	3065.3	3300.6	3510.6	3690.9	3848.4	3958.5
-50°	1813.2	1998.9	2184.5	2357.6	2539.2	2726.6	2917.4	3101.7	3272.9	3425.9	3519.6
-52.5°	1596.4	1767.8	1930.0	2081.3	2240.2	2398.5	2556.6	2725.4	2882.9	3027.7	3102.5
-55°	1400.3	1554.8	1701.1	1828.6	1956.1	2081.7	2217.1	2373.0	2518.1	2652.2	2705.9
-57.5°	1224.2	1356.4	1485.9	1593.8	1697.9	1797.8	1916.7	2048.2	2175.2	2290.1	2334.1
-60°	1062.3	1167.2	1275.5	1371.2	1461.9	1547.5	1651.2	1757.2	1860.2	1946.8	1984.2
-62.5°	913.3	1003.1	1085.1	1162.9	1239.7	1316.9	1400.5	1484.6	1567.7	1634.5	1668.3
-65°	769.7	841.2	907.1	971.0	1033.1	1097.8	1163.4	1227.3	1288.8	1336.5	1365.8
-67.5°	634.9	689.2	741.5	791.3	843.2	895.7	947.0	995.9	1042.2	1079.1	1107.1
-70°	515.4	557.4	598.4	639.6	682.9	723.7	762.3	798.9	833.4	860.0	881.5
-72.5°	415.4	449.5	484.9	522.1	557.1	587.6	615.3	642.1	667.7	682.7	693.9
-75°	334.9	363.6	394.4	424.5	453.7	476.9	497.3	517.0	535.9	536.9	533.2
-77.5°	270.6	296.2	320.0	343.7	367.0	381.3	393.8	406.6	419.6	412.1	400.2
-80°	198.6	219.9	240.2	260.5	280.8	289.3	295.2	300.3	304.6	294.8	282.7
-82.5°	131.8	145.2	158.4	171.8	185.3	190.7	194.8	198.1	200.7	191.9	181.7
-85°	73.5	80.0	86.3	92.7	99.2	103.0	106.4	109.6	112.5	107.2	101.2
-87.5°	30.5	32.0	33.4	34.8	36.2	37.6	38.9	40.2	41.4	41.6	41.7
-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: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-740-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°	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	24.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.2	0.2	0.0	0.0	0.0	0.2	1.2	2.1	2.7	3.1	3.0
62.5°	7.7	8.0	8.3	8.4	8.3	8.0	7.7	7.4	7.1	7.5	8.0
60°	14.8	13.0	12.5	12.6	12.5	13.0	14.8	16.1	16.7	24.4	28.7
57.5°	116.5	99.8	102.3	113.5	102.3	99.8	116.5	126.2	126.9	147.3	148.1
55°	544.7	608.0	630.4	618.1	630.4	608.0	544.7	477.6	413.7	393.9	394.1
52.5°	738.0	764.0	774.1	773.7	774.1	764.0	738.0	703.2	659.1	615.6	573.0
50°	960.8	952.0	938.5	925.0	938.5	952.0	960.8	950.8	917.7	853.3	750.2
47.5°	1603.5	1575.7	1564.0	1585.2	1564.0	1575.7	1603.5	1585.4	1462.0	1301.8	1183.7
45°	2130.8	2163.4	2187.7	2186.5	2187.7	2163.4	2130.8	2103.5	1969.6	1786.2	1597.9
42.5°	2431.1	2448.4	2453.5	2447.1	2453.5	2448.4	2431.1	2400.7	2246.0	2050.1	1834.4
40°	2698.7	2719.4	2731.0	2741.5	2731.0	2719.4	2698.7	2658.8	2532.0	2349.5	2146.6
37.5°	3093.1	3100.8	3084.3	3073.7	3084.3	3100.8	3093.1	3068.0	2991.9	2758.9	2594.0
35°	4060.4	4080.2	4034.4	4082.8	4034.4	4080.2	4060.4	3961.1	3843.5	3705.5	3330.1
32.5°	4988.0	5080.8	5155.9	5218.1	5155.9	5080.8	4988.0	4893.2	4813.6	4547.2	4056.4
30°	5513.4	5573.3	5605.5	5613.3	5605.5	5573.3	5513.4	5439.6	5333.9	4993.3	4539.4
27.5°	5899.3	5962.1	6001.2	6029.6	6001.2	5962.1	5899.3	5831.0	5707.5	5360.1	4914.6
25°	6271.1	6328.5	6367.6	6382.8	6367.6	6328.5	6271.1	6201.7	6050.3	5756.6	5317.8
22.5°	6656.9	6696.8	6734.4	6752.8	6734.4	6696.8	6656.9	6575.7	6411.5	6177.2	5712.3
20°	7210.0	7188.3	7222.6	7211.1	7222.6	7188.3	7210.0	7085.8	6912.9	6668.7	6219.8
17.5°	8337.3	8349.0	8371.8	8409.4	8371.8	8349.0	8337.3	8172.5	7961.2	7740.6	7116.1
15°	9754.9	9783.4	9928.4	10057.7	9928.4	9783.4	9754.9	9595.5	9235.7	8917.4	8204.9
12.5°	10369.8	10468.4	10483.8	10520.2	10483.8	10468.4	10369.8	10145.0	9902.7	9496.9	8850.3
10°	10575.0	10745.9	10742.2	10785.1	10742.2	10745.9	10575.0	10379.5	10181.7	9835.4	9158.5
7.5°	10730.6	10914.2	10991.8	11024.8	10991.8	10914.2	10730.6	10598.1	10403.0	10067.5	9375.3
5°	10920.8	11021.7	11155.6	11117.3	11155.6	11021.7	10920.8	10754.5	10507.7	10151.1	9520.0
2.5°	11000.5	11158.6	11122.0	11159.3	11122.0	11158.6	11000.5	10776.1	10549.1	10262.2	9710.1
0°	11054.2	11167.7	11184.6	11222.4	11184.6	11167.7	11054.2	10831.4	10600.1	10322.6	9763.4
-2.5°	10989.0	11088.9	11263.9	11209.8	11263.9	11088.9	10989.0	10784.5	10564.5	10284.5	9781.4
-5°	10931.8	11177.7	11082.3	11201.4	11082.3	11177.7	10931.8	10714.1	10495.4	10192.6	9666.4
-7.5°	10902.3	10946.3	11009.7	11100.5	11009.7	10946.3	10902.3	10654.6	10415.2	10096.0	9562.9
-10°	10674.1	10719.1	10835.6	10898.6	10835.6	10719.1	10674.1	10560.6	10281.6	9942.6	9432.4
-12.5°	10426.6	10513.7	10636.0	10675.8	10636.0	10513.7	10426.6	10300.7	10101.3	9731.6	9224.4
-15°	10141.5	10270.8	10390.1	10415.1	10390.1	10270.8	10141.5	9992.8	9772.4	9471.6	8973.6
-17.5°	9778.9	9934.0	10059.4	10087.1	10059.4	9934.0	9778.9	9612.4	9395.9	9127.2	8721.2
-20°	9379.4	9528.0	9634.6	9666.7	9634.6	9528.0	9379.4	9205.0	9000.5	8742.4	8359.7



REPORT NUMBER: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8951.7	9085.5	9175.5	9162.1	9175.5	9085.5	8951.7	8778.6	8589.6	8354.4	7943.0
-25°	8497.6	8621.8	8707.6	8695.4	8707.6	8621.8	8497.6	8346.4	8159.0	7909.3	7540.8
-27.5°	8017.5	8135.2	8217.6	8220.2	8217.6	8135.2	8017.5	7872.1	7683.6	7431.8	7117.3
-30°	7513.0	7619.9	7686.9	7661.0	7686.9	7619.9	7513.0	7372.0	7197.0	6952.4	6620.7
-32.5°	6992.7	7089.4	7150.8	7169.1	7150.8	7089.4	6992.7	6870.1	6722.7	6498.6	6144.1
-35°	6479.6	6564.8	6617.8	6630.9	6617.8	6564.8	6479.6	6367.6	6223.8	6046.5	5696.5
-37.5°	5969.7	6043.0	6080.0	6063.2	6080.0	6043.0	5969.7	5866.7	5737.1	5584.7	5282.3
-40°	5465.8	5535.6	5578.0	5588.1	5578.0	5535.6	5465.8	5372.2	5251.8	5103.3	4860.7
-42.5°	4970.4	5028.4	5065.6	5083.5	5065.6	5028.4	4970.4	4889.8	4763.1	4598.2	4403.2
-45°	4489.5	4541.4	4576.3	4595.8	4576.3	4541.4	4489.5	4417.5	4294.0	4134.7	3952.0
-47.5°	4021.8	4067.2	4097.4	4112.2	4097.4	4067.2	4021.8	3958.5	3848.4	3690.9	3510.6
-50°	3574.5	3613.8	3641.9	3658.1	3641.9	3613.8	3574.5	3519.6	3425.9	3272.9	3101.7
-52.5°	3150.2	3184.6	3208.6	3220.8	3208.6	3184.6	3150.2	3102.5	3027.7	2882.9	2725.4
-55°	2745.1	2773.0	2795.2	2808.8	2795.2	2773.0	2745.1	2705.9	2652.2	2518.1	2373.0
-57.5°	2367.4	2390.2	2411.2	2426.1	2411.2	2390.2	2367.4	2334.1	2290.1	2175.2	2048.2
-60°	2013.8	2035.3	2053.2	2064.5	2053.2	2035.3	2013.8	1984.2	1946.8	1860.2	1757.2
-62.5°	1694.6	1713.7	1730.1	1740.8	1730.1	1713.7	1694.6	1668.3	1634.5	1567.7	1484.6
-65°	1388.8	1405.9	1418.1	1425.4	1418.1	1405.9	1388.8	1365.8	1336.5	1288.8	1227.3
-67.5°	1130.9	1150.6	1154.5	1152.1	1154.5	1150.6	1130.9	1107.1	1079.1	1042.2	995.9
-70°	900.8	917.4	921.3	920.8	921.3	917.4	900.8	881.5	860.0	833.4	798.9
-72.5°	704.3	713.4	705.7	693.8	705.7	713.4	704.3	693.9	682.7	667.7	642.1
-75°	528.5	522.7	514.6	504.6	514.6	522.7	528.5	533.2	536.9	535.9	517.0
-77.5°	387.1	372.7	363.4	353.2	363.4	372.7	387.1	400.2	412.1	419.6	406.6
-80°	269.5	255.5	245.8	235.5	245.8	255.5	269.5	282.7	294.8	304.6	300.3
-82.5°	170.7	159.2	153.4	147.2	153.4	159.2	170.7	181.7	191.9	200.7	198.1
-85°	94.8	88.0	84.0	79.9	84.0	88.0	94.8	101.2	107.2	112.5	109.6
-87.5°	41.9	41.9	39.9	37.8	39.9	41.9	41.9	41.7	41.6	41.4	40.2
-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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	23.1	22.1	21.0	20.0	18.9	17.9	16.8	15.8	14.7	13.7	12.6
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	0.1	0.1	0.0	0.0	0.4	0.5	0.2	0.0	0.4
67.5°	0.0	0.0	0.7	1.7	2.2	2.1	1.9	2.1	2.5	2.3	2.1
65°	2.5	1.6	1.0	2.0	3.1	4.2	4.4	3.9	3.8	4.4	5.2
62.5°	8.5	8.8	7.6	6.4	5.5	6.1	6.7	7.1	6.2	5.0	6.5
60°	25.3	15.4	22.5	24.1	19.1	16.6	24.9	23.6	12.3	10.6	9.5
57.5°	122.0	102.1	112.0	101.8	69.7	60.9	63.0	60.1	54.4	33.3	14.2
55°	420.5	360.3	283.1	244.5	235.6	180.2	134.3	112.1	101.7	73.4	48.6
52.5°	534.1	496.5	438.1	357.5	314.5	298.4	255.1	204.1	162.2	129.7	93.1
50°	669.7	679.7	619.7	508.2	464.1	416.4	374.3	315.3	262.2	210.3	155.2
47.5°	1092.4	1017.6	957.4	874.2	716.2	615.3	549.0	452.4	379.5	316.7	248.8
45°	1456.6	1370.9	1312.1	1182.9	1015.1	859.0	754.8	633.6	504.7	420.7	359.0
42.5°	1715.2	1604.3	1507.7	1402.3	1241.9	1065.9	923.0	803.1	667.5	531.4	449.3
40°	1968.3	1792.6	1696.8	1602.5	1451.2	1253.8	1142.4	966.4	824.8	673.8	561.9
37.5°	2345.7	2047.0	2013.1	1922.3	1751.3	1545.9	1420.5	1246.9	984.4	842.0	713.3
35°	2983.7	2675.9	2498.1	2409.1	2187.4	1925.6	1719.3	1557.2	1296.7	1016.3	868.0
32.5°	3686.6	3297.1	3027.4	2900.3	2662.4	2307.1	2052.7	1846.4	1585.0	1267.8	1029.8
30°	4083.5	3728.3	3403.5	3186.2	2955.0	2649.6	2357.6	2066.4	1782.6	1520.1	1205.1
27.5°	4452.8	4009.9	3659.8	3414.7	3198.0	2904.5	2581.4	2269.3	1957.4	1698.0	1417.1
25°	4804.8	4314.0	3932.3	3644.5	3392.7	3160.3	2795.1	2454.0	2128.7	1842.0	1622.3
22.5°	5132.6	4677.0	4237.3	3861.0	3647.6	3398.1	3038.1	2624.9	2307.2	2066.0	1807.4
20°	5672.5	5162.5	4605.7	4280.1	4081.6	3696.3	3288.8	2880.3	2588.5	2312.4	2008.1
17.5°	6562.5	5926.1	5260.4	4911.7	4630.6	4158.0	3638.8	3233.5	2869.1	2561.5	2226.7
15°	7536.8	6717.6	6058.0	5607.6	5162.4	4608.7	4007.8	3569.9	3155.8	2809.7	2427.4
12.5°	8018.4	7238.5	6655.0	6020.2	5445.9	4944.2	4375.6	3892.8	3422.9	2971.8	2551.6
10°	8305.7	7530.7	6870.7	6237.1	5661.4	5178.6	4650.5	4078.6	3556.5	3079.1	2655.2
7.5°	8529.2	7730.7	7027.7	6397.0	5813.6	5304.4	4799.0	4199.4	3663.3	3165.9	2738.3
5°	8684.0	7886.5	7173.7	6536.0	5921.9	5394.6	4909.2	4290.8	3743.0	3231.7	2801.4
2.5°	8843.5	8007.5	7265.1	6625.9	5990.9	5451.8	4975.9	4360.6	3807.7	3280.6	2854.0
0°	8905.6	8077.3	7328.8	6672.9	6029.6	5474.6	4995.2	4406.6	3851.5	3309.1	2888.6
-2.5°	8945.6	8100.1	7353.8	6703.4	6080.8	5510.5	5017.0	4458.1	3865.4	3339.9	2898.3
-5°	8884.9	8073.2	7332.8	6678.2	6081.8	5513.3	5001.8	4465.7	3861.9	3348.1	2890.8
-7.5°	8810.3	8002.1	7253.3	6611.1	6037.9	5475.3	4956.6	4432.3	3848.7	3334.6	2876.6
-10°	8684.4	7888.6	7175.8	6541.3	5960.8	5394.3	4890.7	4368.9	3805.7	3296.5	2843.2
-12.5°	8516.3	7745.2	7041.2	6413.7	5856.9	5310.9	4817.7	4281.2	3732.4	3232.9	2790.3
-15°	8294.1	7557.6	6874.7	6263.0	5724.4	5202.4	4709.5	4184.2	3660.9	3154.5	2717.7
-17.5°	8051.2	7310.1	6637.6	6061.3	5550.5	5055.6	4571.9	4082.3	3578.4	3081.0	2652.4
-20°	7775.3	7047.5	6381.2	5822.7	5340.7	4871.8	4424.6	3968.3	3464.0	2996.5	2583.9



REPORT NUMBER: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-740-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°	7378.2	6735.4	6124.6	5576.9	5116.1	4687.0	4256.3	3815.1	3315.7	2890.6	2490.6
-25°	6985.8	6388.1	5839.0	5335.7	4890.7	4483.1	4064.2	3626.9	3183.7	2766.2	2376.5
-27.5°	6601.7	6048.2	5501.1	5048.6	4649.0	4250.8	3857.2	3443.5	3035.5	2626.3	2269.2
-30°	6187.2	5669.3	5176.1	4751.4	4373.1	4004.8	3650.7	3264.4	2863.0	2474.7	2153.6
-32.5°	5731.7	5277.3	4842.6	4442.7	4089.1	3762.9	3426.8	3060.7	2664.0	2333.0	2019.6
-35°	5289.8	4870.3	4495.2	4142.5	3821.6	3522.8	3197.6	2831.0	2482.7	2172.0	1868.5
-37.5°	4894.2	4485.7	4138.3	3834.4	3566.3	3283.1	2958.8	2633.5	2306.0	1992.8	1727.9
-40°	4484.9	4103.7	3795.2	3548.1	3291.6	3036.7	2751.2	2448.7	2125.6	1819.6	1590.1
-42.5°	4088.2	3780.5	3476.4	3229.2	2999.2	2790.5	2549.6	2244.2	1947.2	1681.5	1460.8
-45°	3699.7	3420.3	3142.6	2917.2	2725.9	2530.1	2314.8	2037.3	1770.5	1542.3	1334.3
-47.5°	3300.6	3065.3	2833.7	2624.2	2453.1	2263.0	2055.2	1820.1	1601.5	1395.8	1211.5
-50°	2917.4	2726.6	2539.2	2357.6	2184.5	1998.9	1813.2	1623.4	1428.4	1249.2	1081.9
-52.5°	2556.6	2398.5	2240.2	2081.3	1930.0	1767.8	1596.4	1427.6	1256.0	1106.3	957.0
-55°	2217.1	2081.7	1956.1	1828.6	1701.1	1554.8	1400.3	1248.2	1111.3	973.8	852.0
-57.5°	1916.7	1797.8	1697.9	1593.8	1485.9	1356.4	1224.2	1095.8	982.2	868.3	755.6
-60°	1651.2	1547.5	1461.9	1371.2	1275.5	1167.2	1062.3	960.5	862.4	769.4	672.4
-62.5°	1400.5	1316.9	1239.7	1162.9	1085.1	1003.1	913.3	831.2	755.2	676.9	589.1
-65°	1163.4	1097.8	1033.1	971.0	907.1	841.2	769.7	704.8	642.6	579.1	503.2
-67.5°	947.0	895.7	843.2	791.3	741.5	689.2	634.9	580.7	530.0	478.2	416.6
-70°	762.3	723.7	682.9	639.6	598.4	557.4	515.4	471.5	425.2	382.9	340.7
-72.5°	615.3	587.6	557.1	522.1	484.9	449.5	415.4	381.2	346.0	309.8	273.0
-75°	497.3	476.9	453.7	424.5	394.4	363.6	334.9	305.5	273.3	238.2	204.0
-77.5°	393.8	381.3	367.0	343.7	320.0	296.2	270.6	238.5	205.8	173.4	145.1
-80°	295.2	289.3	280.8	260.5	240.2	219.9	198.6	170.6	142.7	116.6	95.6
-82.5°	194.8	190.7	185.3	171.8	158.4	145.2	131.8	112.3	93.7	76.1	60.5
-85°	106.4	103.0	99.2	92.7	86.3	80.0	73.5	62.8	52.7	43.3	34.9
-87.5°	38.9	37.6	36.2	34.8	33.4	32.0	30.5	27.4	24.3	21.4	18.5
-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: P627350 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4B-740-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°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	11.6	10.5	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.2
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.7	1.3
82.5°	0.0	0.0	0.0	0.1	0.7	1.1	1.2	1.1	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	1.0	2.2	2.8	2.9	2.2	1.5	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	1.2	2.4	3.8	3.8	2.9	2.1
75°	0.0	0.0	0.0	0.2	0.3	0.1	0.9	2.2	3.4	4.1	3.3
72.5°	0.0	0.0	0.0	0.5	1.1	1.2	0.7	0.7	2.4	3.6	4.1
70°	0.6	0.2	0.0	0.7	1.7	2.6	2.4	1.9	1.6	3.1	4.0
67.5°	2.0	2.1	1.6	1.2	1.9	2.9	3.9	3.7	3.3	2.7	3.9
65°	4.9	4.5	4.1	3.7	3.1	3.1	4.1	5.2	4.9	4.2	3.8
62.5°	7.3	7.3	6.7	6.1	5.5	4.7	4.4	5.8	6.4	5.7	4.7
60°	9.4	9.9	9.4	8.6	7.7	6.9	6.2	6.6	7.3	7.1	6.0
57.5°	13.1	12.7	12.5	11.4	10.0	9.0	8.4	8.2	8.4	8.3	7.3
55°	23.1	16.0	16.1	14.9	12.8	11.1	10.6	10.2	9.8	9.6	8.5
52.5°	58.4	32.4	20.8	19.2	16.7	13.7	12.8	12.2	11.6	10.9	9.7
50°	107.9	69.8	39.5	24.8	21.1	18.0	14.9	14.2	13.3	12.4	10.9
47.5°	172.6	120.0	78.0	39.1	27.3	22.5	18.7	16.1	15.1	14.0	12.1
45°	265.9	176.9	122.6	77.4	36.3	31.1	23.1	18.1	16.9	15.5	13.2
42.5°	370.0	259.5	172.0	117.0	69.4	43.0	27.7	21.9	18.6	17.1	14.5
40°	472.0	358.7	231.1	161.3	104.8	57.7	39.8	26.2	20.3	18.7	15.9
37.5°	584.9	463.6	323.7	208.6	140.8	88.0	54.6	30.5	23.1	20.5	17.4
35°	724.5	579.8	416.5	278.0	186.5	116.2	71.0	38.8	28.4	22.3	19.0
32.5°	864.0	696.0	516.6	358.6	234.2	142.2	92.4	55.5	34.6	24.2	20.5
30°	1004.3	802.4	610.9	433.3	289.2	183.9	115.4	71.6	41.7	26.2	22.1
27.5°	1130.7	902.8	699.3	511.2	353.6	227.9	139.5	87.3	49.6	29.7	23.8
25°	1273.4	1011.3	786.2	585.8	412.5	273.8	164.2	102.6	61.1	35.8	25.4
22.5°	1457.1	1122.8	866.8	653.4	470.8	317.6	196.0	122.8	73.8	42.2	27.1
20°	1639.7	1231.7	945.7	738.1	534.3	367.0	232.7	142.9	85.8	48.9	28.7
17.5°	1819.0	1371.3	1060.5	824.6	602.2	413.2	267.0	162.7	97.1	55.7	30.3
15°	1979.6	1531.1	1173.3	906.4	668.7	456.0	298.7	181.9	107.7	62.5	32.5
12.5°	2114.6	1669.0	1279.6	982.9	732.8	495.0	327.7	200.3	117.5	70.1	35.4
10°	2226.1	1785.6	1378.1	1053.7	793.3	530.1	353.8	218.8	128.9	78.1	38.5
7.5°	2315.1	1881.9	1467.7	1117.9	848.2	562.9	381.9	238.2	140.0	85.7	41.6
5°	2382.2	1957.0	1537.0	1163.9	891.8	593.1	407.8	256.0	150.4	92.8	44.7
2.5°	2425.7	2012.3	1588.4	1200.1	927.4	618.5	430.6	272.0	159.8	99.3	47.7
0°	2451.4	2051.9	1627.2	1227.8	954.5	639.1	449.9	285.9	168.2	105.1	50.5
-2.5°	2474.3	2077.8	1661.1	1276.1	973.1	672.9	462.3	298.4	181.5	109.3	55.6
-5°	2481.8	2089.2	1683.3	1313.4	984.4	700.2	471.0	308.7	193.1	112.6	60.3
-7.5°	2469.0	2082.4	1691.1	1334.6	989.6	719.5	476.0	316.7	202.6	115.2	64.4
-10°	2440.6	2059.8	1680.8	1328.2	996.7	725.6	479.0	322.6	209.5	117.2	67.8
-12.5°	2398.4	2025.8	1658.7	1314.1	995.5	721.7	486.9	327.2	213.1	118.5	70.3
-15°	2343.2	1981.2	1624.9	1293.3	983.5	713.0	488.8	328.9	212.7	121.0	71.8
-17.5°	2278.2	1927.2	1579.7	1266.7	960.2	700.0	484.4	326.8	210.5	124.6	73.4
-20°	2213.1	1867.2	1526.0	1235.4	925.0	683.0	473.2	320.8	206.7	127.0	74.9



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CATALOG NUMBER: GFLD-SA4B-740-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°	2136.7	1798.3	1479.6	1191.6	886.9	662.5	454.7	310.6	201.2	128.0	75.5
-25°	2049.0	1717.9	1423.8	1131.4	857.0	639.3	435.7	296.1	194.0	127.7	75.3
-27.5°	1949.9	1632.0	1358.1	1065.5	825.8	607.0	417.6	285.5	187.9	125.9	74.2
-30°	1839.3	1551.1	1279.5	1002.2	787.7	572.1	394.0	273.5	185.2	123.5	72.1
-32.5°	1720.0	1459.9	1195.1	953.9	744.4	535.8	373.2	260.0	180.6	120.5	72.2
-35°	1608.2	1360.8	1108.9	898.2	698.5	514.3	359.3	245.1	174.1	116.3	72.6
-37.5°	1488.5	1256.9	1040.7	840.1	650.1	489.7	348.0	238.4	165.6	110.9	72.3
-40°	1373.3	1158.3	961.7	784.7	614.3	461.9	330.2	230.9	157.5	104.4	71.4
-42.5°	1256.7	1065.6	886.1	724.4	580.5	435.0	307.5	219.4	151.0	100.6	69.7
-45°	1149.3	969.9	805.8	671.9	543.0	400.7	290.0	205.0	143.0	97.9	68.3
-47.5°	1036.5	872.4	732.3	614.4	493.9	363.3	267.7	193.7	133.3	94.4	67.3
-50°	920.1	780.1	663.6	551.1	433.9	332.1	243.9	180.2	129.8	91.6	65.6
-52.5°	818.2	699.0	593.3	486.2	388.5	295.6	225.9	165.7	125.3	89.3	63.3
-55°	730.4	621.9	524.1	432.9	345.3	268.7	205.4	158.8	119.6	86.4	60.5
-57.5°	652.9	550.4	467.3	385.3	309.3	242.9	191.1	150.6	113.6	82.3	58.0
-60°	577.4	493.4	415.7	342.6	275.6	220.6	179.9	141.2	106.5	77.1	55.1
-62.5°	507.7	433.7	366.1	300.1	245.5	202.5	167.0	130.2	98.1	70.7	51.4
-65°	434.6	371.6	314.5	262.6	218.1	181.2	150.4	117.7	87.1	63.0	46.5
-67.5°	358.6	312.4	267.8	224.6	188.3	157.2	131.3	101.1	74.2	54.1	40.8
-70°	298.7	257.9	220.2	186.3	156.6	131.3	107.3	81.7	59.8	46.3	34.8
-72.5°	237.8	204.6	173.6	146.6	125.5	104.0	82.2	62.6	49.6	38.2	28.4
-75°	176.0	153.5	133.4	114.6	95.6	76.8	62.6	49.7	39.0	29.7	24.0
-77.5°	127.7	111.5	96.6	84.8	71.7	59.2	47.3	36.4	29.5	24.7	20.1
-80°	86.8	78.2	70.1	61.7	51.2	41.2	34.1	28.0	23.8	19.9	16.2
-82.5°	54.7	50.1	46.1	41.9	35.7	30.2	25.3	21.2	18.0	15.0	13.2
-85°	32.4	30.0	27.6	25.3	21.8	18.9	17.4	16.1	14.7	13.3	11.9
-87.5°	18.3	18.0	17.7	17.4	16.5	15.7	15.0	14.4	13.1	11.9	10.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.1	3.1

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.4	7.4	6.3	5.2	4.2	4.2	4.2
87.5°	3.1	3.5	3.8	4.1	4.2	4.2	4.2
85°	2.0	2.8	3.5	3.9	4.2	4.2	4.2
82.5°	1.0	2.2	3.1	3.8	4.2	4.2	4.2
80°	0.2	1.6	2.8	3.7	4.2	4.2	4.2
77.5°	1.3	1.4	2.5	3.6	4.2	4.2	4.2
75°	2.3	2.1	2.3	3.5	4.2	4.2	4.2
72.5°	3.4	2.7	2.7	3.4	4.2	4.2	4.2
70°	4.2	3.3	3.0	3.4	4.2	4.2	4.2
67.5°	4.3	3.9	3.4	3.5	4.2	4.2	4.2
65°	4.5	4.4	3.7	3.6	4.2	4.2	4.2
62.5°	4.7	4.7	3.9	3.8	4.2	4.2	4.2
60°	5.0	5.0	4.2	3.9	4.2	4.2	4.2
57.5°	6.0	5.4	4.6	4.0	4.2	4.2	4.2
55°	7.0	5.9	5.0	4.1	4.3	4.2	4.2
52.5°	8.1	6.4	5.5	4.1	4.4	4.2	4.2
50°	9.1	7.3	5.9	4.2	4.5	4.2	4.2
47.5°	10.1	8.1	6.4	4.3	4.6	4.2	4.2
45°	11.1	8.9	6.9	4.7	4.7	4.2	4.2
42.5°	12.1	9.7	7.4	5.1	4.8	4.2	4.2
40°	13.0	10.5	8.0	5.6	5.0	4.2	4.2
37.5°	13.9	11.3	8.6	6.1	5.2	4.2	4.2
35°	14.8	12.0	9.2	6.7	5.3	4.2	4.2
32.5°	15.8	12.7	9.8	7.2	5.5	4.2	4.2
30°	17.0	13.4	10.3	7.7	5.7	4.2	4.2
27.5°	18.3	14.0	11.0	8.2	5.9	4.2	4.2
25°	19.5	14.7	11.6	8.7	6.2	4.2	4.2
22.5°	20.7	15.3	12.3	9.2	6.4	4.2	4.2
20°	21.9	16.1	12.9	9.7	6.6	4.2	4.2
17.5°	23.1	16.8	13.5	10.1	6.9	4.2	4.2
15°	24.3	17.5	14.0	10.5	7.1	4.2	4.2
12.5°	25.4	18.2	14.6	10.9	7.3	4.2	4.2
10°	26.4	18.8	15.1	11.3	7.6	4.2	4.2
7.5°	27.3	19.4	15.5	11.7	7.8	4.2	4.2
5°	28.1	20.0	16.0	12.0	8.0	4.2	4.2
2.5°	28.8	20.5	16.4	12.3	8.2	4.2	4.2
0°	29.4	21.0	16.8	12.6	8.4	4.2	4.2
-2.5°	31.0	21.4	17.2	12.6	8.4	4.2	4.2
-5°	32.5	21.8	17.5	12.6	8.4	4.2	4.2
-7.5°	33.8	22.2	17.7	12.5	8.3	4.2	4.2
-10°	34.9	22.5	17.9	12.4	8.3	4.2	4.2
-12.5°	35.7	22.8	18.1	12.3	8.2	4.2	4.2
-15°	36.2	23.0	18.1	12.2	8.1	4.2	4.2
-17.5°	36.4	23.2	18.1	12.0	8.0	4.2	4.2
-20°	37.4	23.4	18.0	11.8	7.9	4.2	4.2

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CATALOG NUMBER: GFLD-SA4B-740-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	39.8	23.5	17.8	11.6	7.8	4.2	4.2
-25°	41.8	25.0	17.4	11.4	7.6	4.2	4.2
-27.5°	43.3	27.0	17.0	11.2	7.4	4.2	4.2
-30°	44.3	28.6	16.6	10.9	7.3	4.2	4.2
-32.5°	44.9	30.0	17.2	10.6	7.1	4.2	4.2
-35°	46.1	31.1	17.7	10.3	6.9	4.2	4.2
-37.5°	47.4	31.8	18.0	10.0	6.7	4.2	4.2
-40°	48.1	32.1	18.1	9.6	6.4	4.2	4.2
-42.5°	48.4	32.1	18.2	9.4	6.2	4.2	4.2
-45°	48.1	31.9	18.3	9.5	5.9	4.2	4.2
-47.5°	47.4	31.4	18.2	9.4	5.7	4.2	4.2
-50°	46.4	30.7	17.9	9.3	5.4	4.2	4.2
-52.5°	45.1	29.7	17.3	9.1	5.1	4.2	4.2
-55°	43.5	28.5	16.6	8.9	4.8	4.2	4.2
-57.5°	41.6	27.0	15.6	8.6	4.5	4.2	4.2
-60°	39.3	25.1	14.5	8.2	4.2	4.2	4.2
-62.5°	36.1	23.0	13.7	7.7	4.2	4.2	4.2
-65°	32.6	20.6	12.8	7.2	4.2	4.2	4.2
-67.5°	28.6	18.5	11.8	6.7	4.2	4.2	4.2
-70°	24.4	16.8	10.8	6.1	4.2	4.2	4.2
-72.5°	21.5	15.0	9.6	5.9	4.2	4.2	4.2
-75°	18.7	13.0	8.4	5.9	4.2	4.2	4.2
-77.5°	15.8	11.0	7.9	5.8	4.2	4.2	4.2
-80°	12.8	9.9	7.6	5.7	4.2	4.2	4.2
-82.5°	11.6	9.3	7.3	5.6	4.2	4.2	4.2
-85°	10.5	8.7	7.0	5.5	4.2	4.2	4.2
-87.5°	9.5	8.0	6.7	5.4	4.2	4.2	4.2
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)