

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: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627630 (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-SA5C-730-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (80) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

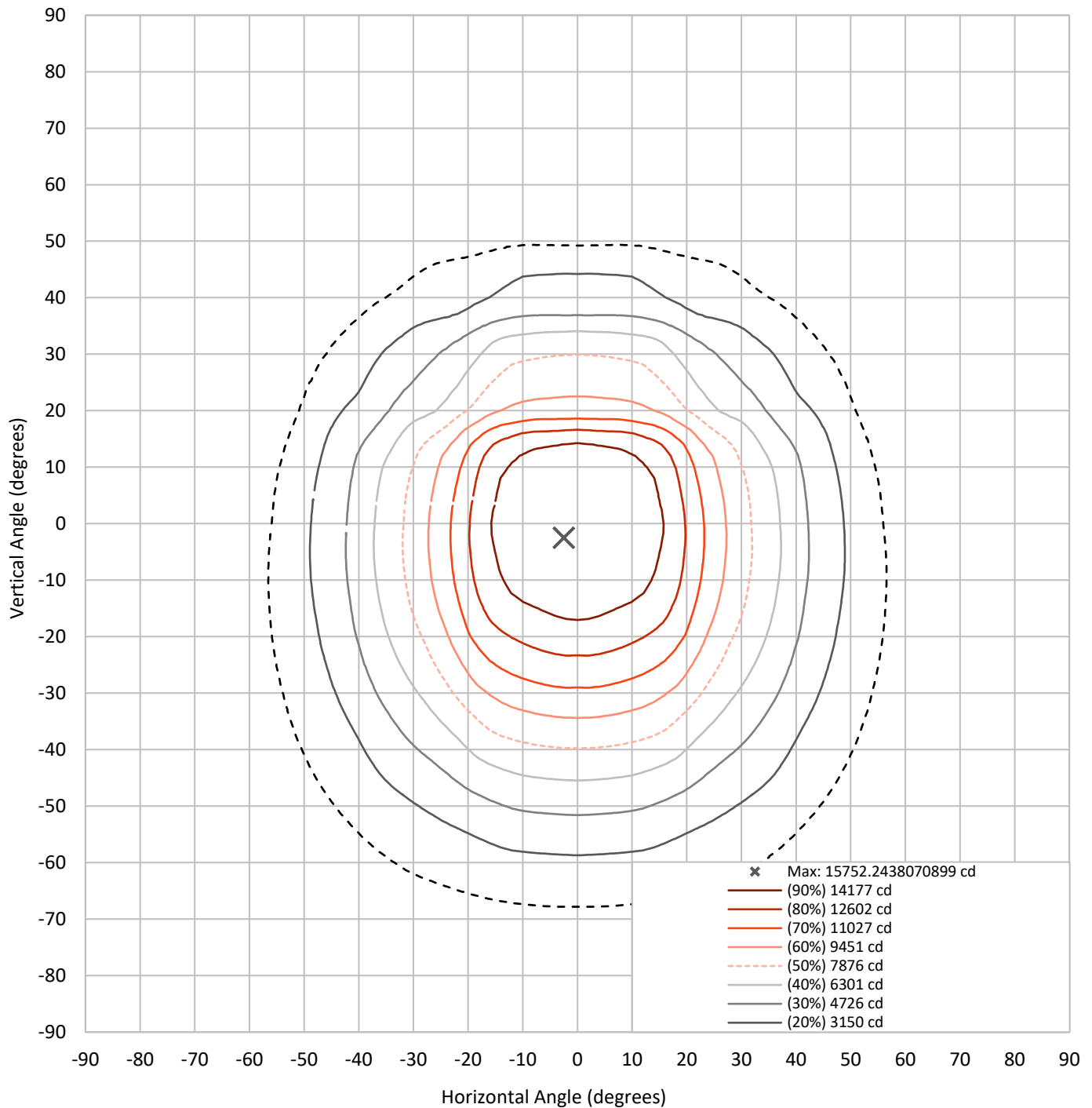
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	21021.8 lumens	Max Intensity:	15752.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	102.0 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:	12162.6 lumens	Field Lumens:	19948.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	206.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





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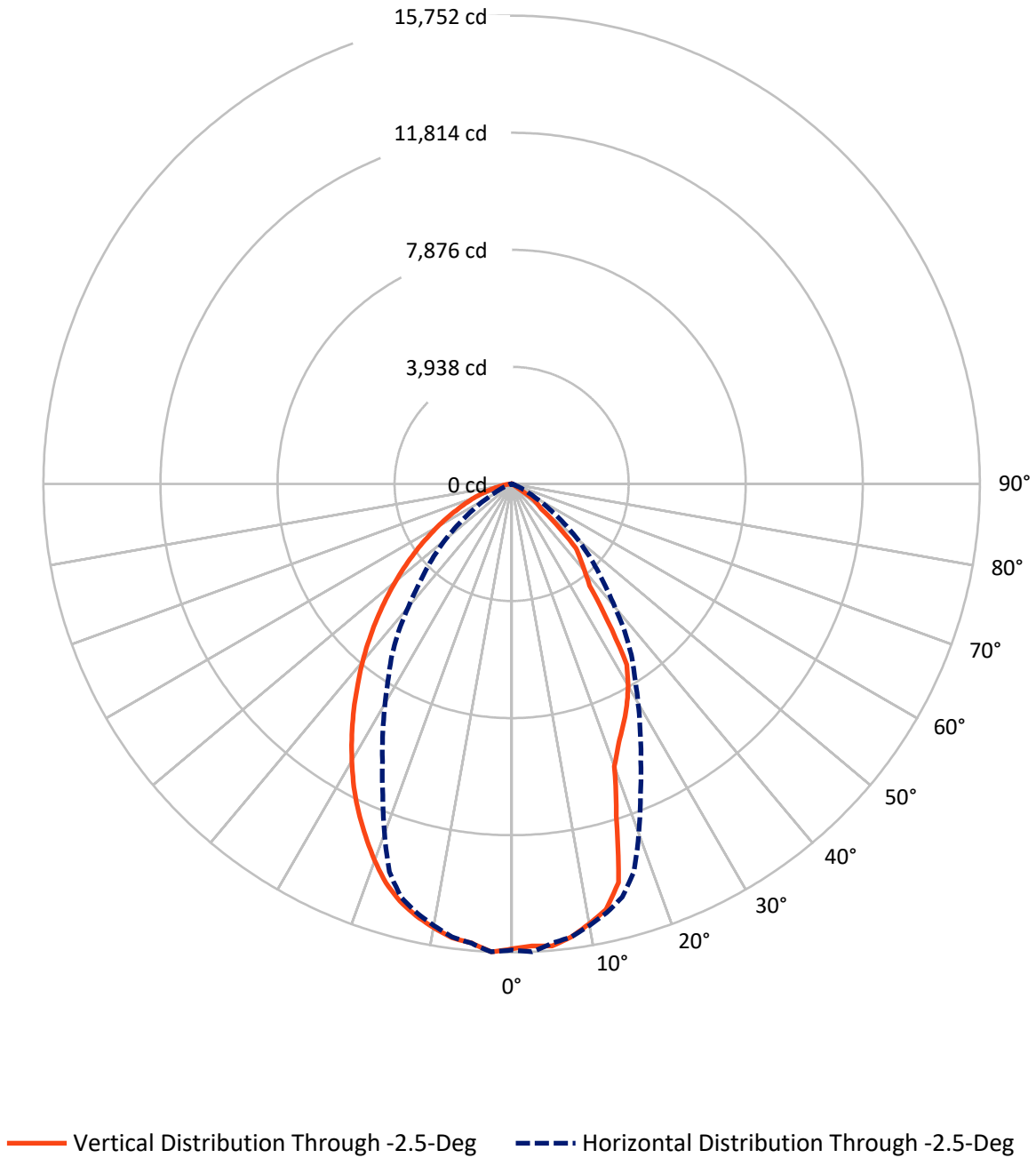
CATALOG NUMBER: GFLD-SA5C-730-U-VWR-VSR-XX

### Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.3	0.2	0.1	0.1	0.1										
70																			
60	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.2				
50		0.2	0.4	1.9	5.7	11.1	16.4	20.4	20.4	16.4	11.1	5.7	1.9	0.4		0.2			
40	0.3	0.4	2.3	10.8	26.1	46.9	69.3	84.9	84.9	69.3	46.9	26.1	10.8	2.3	0.4	0.3			
30		1.0	7.8	27.3	60.9	98.8	148.1	173.1	173.1	148.1	98.8	60.9	27.3	7.8	1.0				
20	0.6	2.3	15.1	48.4	98.2	155.7	233.5	268.3	268.3	233.5	155.7	98.2	48.4	15.1	2.3	0.6			
10		4.0	23.2	71.6	141.4	232.7	346.5	397.4	397.4	346.5	232.7	141.4	71.6	23.2	4.0				
0	1.1	5.4	30.1	85.0	169.2	278.1	409.1	464.3	464.3	409.1	278.1	169.2	85.0	30.1	5.4	1.1			
-10		6.5	33.2	88.3	173.7	284.5	412.2	466.0	466.0	412.2	284.5	173.7	88.3	33.2	6.5				
-20	1.3	6.8	32.5	83.6	163.8	266.4	382.5	432.2	432.2	382.5	266.4	163.8	83.6	32.5	6.8	1.3			
-30		6.1	28.4	72.9	141.5	226.5	320.7	363.2	363.2	320.7	226.5	141.5	72.9	28.4	6.1				
-40	1.3	5.1	22.7	57.3	111.3	174.7	244.9	277.3	277.3	244.9	174.7	111.3	57.3	22.7	5.1	1.3			
-50		4.1	16.7	40.9	79.7	122.9	169.5	192.4	192.4	169.5	122.9	79.7	40.9	16.7	4.1				
-60	1.0	3.1	11.0	26.2	49.5	76.3	103.6	118.1	118.1	103.6	76.3	49.5	26.2	11.0	3.1	1.0			
-70		2.2	6.6	15.3	27.2	40.5	53.5	60.7	60.7	53.5	40.5	27.2	15.3	6.6	2.2				
-80	0.4	4.9	22.7	49.4	55.2	49.4	22.7	4.9	0.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

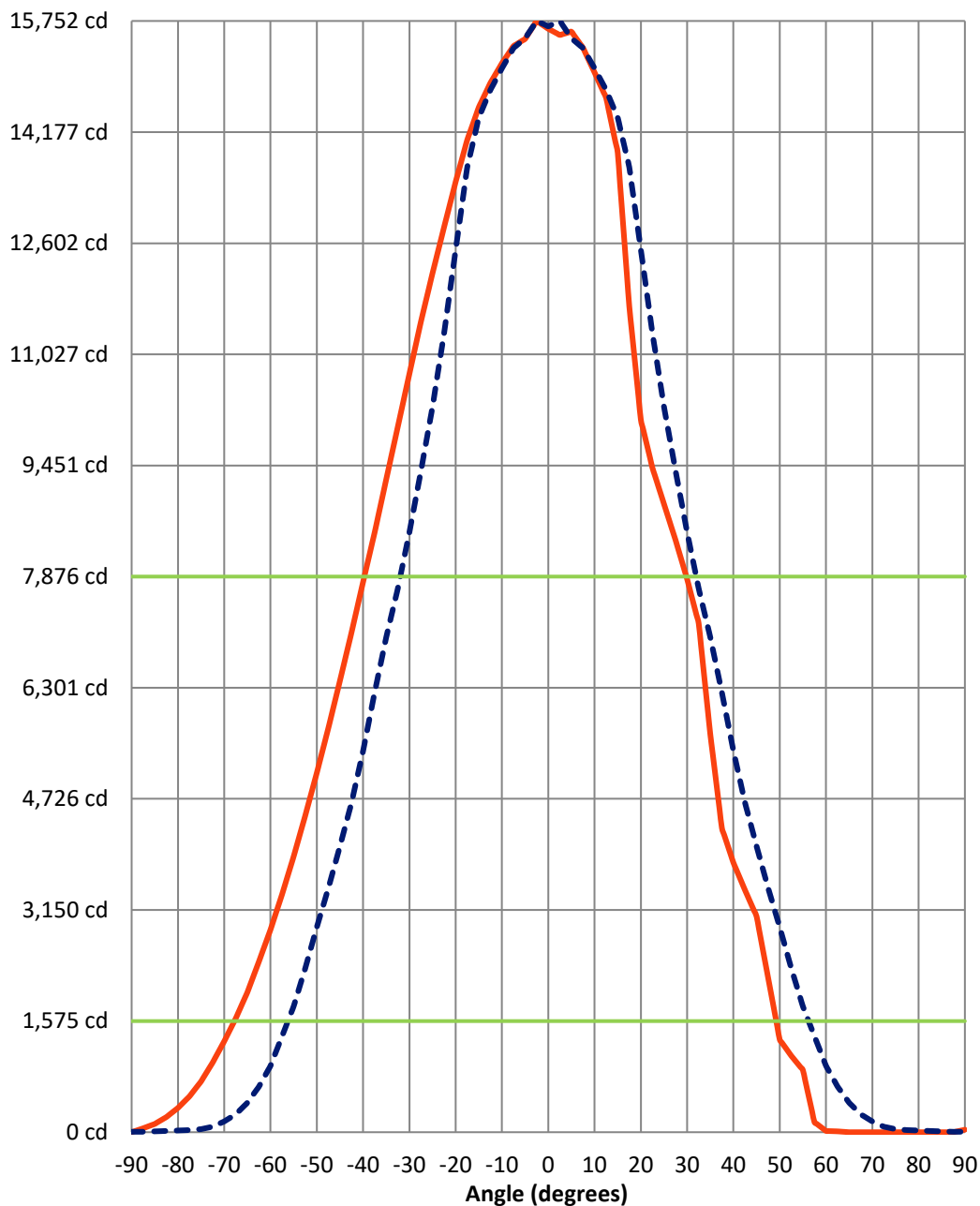
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 12162.6  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 19948.4  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 1073.5  
 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°	5.9	5.9	5.9	7.4	8.9	10.3	11.8	13.3	14.7	16.2	17.6
87.5°	5.9	5.9	5.9	5.7	5.4	4.9	4.4	3.1	1.9	0.9	0.0
85°	5.9	5.9	5.9	5.5	4.9	4.0	2.9	1.8	0.9	0.4	0.0
82.5°	5.9	5.9	5.9	5.3	4.4	3.1	1.4	0.5	0.1	0.9	1.6
80°	5.9	5.9	5.9	5.2	3.9	2.2	0.3	1.2	2.1	3.1	4.0
77.5°	5.9	5.9	5.9	5.0	3.5	2.0	1.8	2.9	4.1	5.3	5.3
75°	5.9	5.9	5.9	4.9	3.2	2.9	3.3	4.6	5.8	4.8	3.1
72.5°	5.9	5.9	5.9	4.8	3.7	3.8	4.7	5.8	5.0	3.4	1.0
70°	5.9	5.9	5.9	4.7	4.2	4.7	5.9	5.6	4.3	2.3	2.7
67.5°	5.9	5.9	5.9	4.9	4.7	5.5	6.1	5.4	3.8	4.6	5.3
65°	5.9	5.9	5.9	5.1	5.1	6.1	6.3	5.4	5.9	6.9	7.3
62.5°	5.9	5.9	5.9	5.3	5.5	6.6	6.6	6.7	7.9	8.9	8.1
60°	5.9	5.9	5.9	5.5	5.9	7.1	7.0	8.4	10.0	10.3	9.2
57.5°	5.9	5.9	6.0	5.6	6.4	7.6	8.4	10.2	11.7	11.8	11.5
55°	5.9	5.9	6.1	5.7	7.0	8.3	9.9	11.9	13.4	13.6	14.3
52.5°	5.9	5.9	6.2	5.8	7.7	9.0	11.3	13.6	15.3	16.2	17.1
50°	5.9	5.9	6.3	5.9	8.3	10.2	12.8	15.3	17.4	18.7	19.8
47.5°	5.9	5.9	6.4	6.0	9.0	11.4	14.2	16.9	19.6	21.1	22.6
45°	5.9	5.9	6.6	6.6	9.7	12.5	15.6	18.5	21.7	23.6	25.3
42.5°	5.9	5.9	6.8	7.1	10.5	13.7	16.9	20.3	23.9	26.0	30.7
40°	5.9	5.9	7.0	7.8	11.3	14.7	18.2	22.3	26.2	28.5	36.7
37.5°	5.9	5.9	7.2	8.6	12.1	15.8	19.5	24.4	28.6	32.4	42.7
35°	5.9	5.9	7.5	9.4	12.9	16.8	20.7	26.5	31.2	39.8	54.3
32.5°	5.9	5.9	7.8	10.1	13.7	17.8	22.0	28.7	33.9	48.5	77.6
30°	5.9	5.9	8.1	10.9	14.4	18.7	23.8	31.0	36.7	58.3	100.2
27.5°	5.9	5.9	8.4	11.6	15.4	19.6	25.6	33.3	41.6	69.3	122.0
25°	5.9	5.9	8.7	12.2	16.3	20.5	27.3	35.6	50.1	85.5	143.5
22.5°	5.9	5.9	9.0	12.9	17.2	21.4	29.0	37.9	59.0	103.1	171.8
20°	5.9	5.9	9.3	13.5	18.0	22.5	30.7	40.2	68.3	119.9	199.9
17.5°	5.9	5.9	9.6	14.2	18.8	23.5	32.4	42.4	77.8	135.8	227.5
15°	5.9	5.9	10.0	14.7	19.6	24.5	34.1	45.4	87.3	150.6	254.4
12.5°	5.9	5.9	10.3	15.3	20.4	25.4	35.6	49.5	97.9	164.3	280.1
10°	5.9	5.9	10.6	15.8	21.1	26.3	37.0	53.8	109.1	180.4	305.9
7.5°	5.9	5.9	10.9	16.3	21.7	27.2	38.2	58.2	119.8	195.9	333.1
5°	5.9	5.9	11.2	16.8	22.4	28.0	39.3	62.5	129.8	210.3	358.0
2.5°	5.9	5.9	11.5	17.2	23.0	28.7	40.3	66.7	138.9	223.5	380.5
0°	5.9	5.9	11.8	17.6	23.5	29.4	41.2	70.6	147.0	235.2	399.9
-2.5°	5.9	5.9	11.8	17.6	24.0	30.0	43.5	77.8	152.8	253.8	417.4
-5°	5.9	5.9	11.8	17.5	24.4	30.6	45.6	84.3	157.5	270.0	431.7
-7.5°	5.9	5.9	11.7	17.5	24.8	31.1	47.4	90.1	161.2	283.3	442.9
-10°	5.9	5.9	11.6	17.3	25.1	31.5	48.9	94.8	163.9	293.0	451.2
-12.5°	5.9	5.9	11.5	17.2	25.3	31.9	50.0	98.3	165.8	298.0	457.6
-15°	5.9	5.9	11.4	17.0	25.3	32.3	50.8	100.5	169.2	297.4	459.9
-17.5°	5.9	5.9	11.3	16.8	25.3	32.5	51.0	102.6	174.3	294.4	457.1
-20°	5.9	5.9	11.1	16.5	25.1	32.7	52.3	104.7	177.6	289.0	448.6

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Scaled Data Report



REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	5.9	5.9	10.9	16.3	24.8	32.8	55.7	105.7	179.0	281.3	434.4
-25°	5.9	5.9	10.7	16.0	24.4	35.0	58.4	105.4	178.5	271.3	414.0
-27.5°	5.9	5.9	10.5	15.6	23.8	37.7	60.6	103.8	176.0	262.8	399.2
-30°	5.9	5.9	10.2	15.3	23.2	40.1	62.0	100.9	172.7	259.0	382.5
-32.5°	5.9	5.9	9.9	14.9	24.1	42.0	62.8	101.0	168.5	252.6	363.6
-35°	5.9	5.9	9.7	14.4	24.7	43.6	64.5	101.6	162.7	243.4	342.7
-37.5°	5.9	5.9	9.4	14.0	25.1	44.5	66.3	101.2	155.2	231.6	333.3
-40°	5.9	5.9	9.0	13.5	25.3	44.9	67.3	99.9	146.0	220.3	322.9
-42.5°	5.9	5.9	8.7	13.2	25.5	44.9	67.6	97.6	140.8	211.2	306.8
-45°	5.9	5.9	8.3	13.3	25.6	44.5	67.3	95.5	137.0	200.0	286.7
-47.5°	5.9	5.9	8.0	13.2	25.4	43.9	66.3	94.1	132.0	186.5	270.9
-50°	5.9	5.9	7.6	13.1	25.0	42.9	64.9	91.8	128.1	181.6	252.0
-52.5°	5.9	5.9	7.2	12.8	24.2	41.5	63.1	88.5	124.8	175.2	231.8
-55°	5.9	5.9	6.8	12.5	23.2	39.8	60.8	84.5	120.7	167.2	222.1
-57.5°	5.9	5.9	6.3	12.0	21.9	37.7	58.1	81.0	115.1	158.9	210.6
-60°	5.9	5.9	5.9	11.5	20.4	35.1	54.9	77.0	107.9	149.0	197.4
-62.5°	5.9	5.9	5.9	10.8	19.3	32.2	50.5	71.8	98.9	137.2	182.0
-65°	5.9	5.9	5.9	10.1	18.0	28.8	45.5	65.0	88.1	121.8	164.6
-67.5°	5.9	5.9	5.9	9.4	16.6	25.9	40.1	57.1	75.6	103.7	141.4
-70°	5.9	5.9	5.9	8.5	15.1	23.5	34.1	48.6	64.8	83.6	114.3
-72.5°	5.9	5.9	5.9	8.3	13.4	21.0	30.1	39.8	53.4	69.3	87.5
-75°	5.9	5.9	5.9	8.2	11.7	18.2	26.2	33.5	41.6	54.6	69.5
-77.5°	5.9	5.9	5.9	8.1	11.1	15.4	22.1	28.2	34.5	41.3	51.0
-80°	5.9	5.9	5.9	8.0	10.7	13.9	17.9	22.7	27.8	33.3	39.2
-82.5°	5.9	5.9	5.9	7.9	10.3	13.0	16.2	18.4	20.9	25.1	29.6
-85°	5.9	5.9	5.9	7.7	9.8	12.2	14.8	16.7	18.7	20.6	22.5
-87.5°	5.9	5.9	5.9	7.6	9.3	11.3	13.3	15.0	16.7	18.4	20.1
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.4	2.9	1.5	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°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	19.1	20.6	22.0
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°	1.7	1.5	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.9	3.1	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.4	1.7	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.2	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.0	1.7	1.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.3	3.6	2.4	1.0	0.0	0.3	0.9	0.6	0.0	0.3	0.7
67.5°	5.5	4.1	2.7	1.7	2.2	3.0	2.8	3.0	3.2	3.5	3.0
65°	5.7	4.4	4.4	5.1	5.8	6.4	6.9	7.3	6.1	5.3	5.4
62.5°	6.1	6.7	7.7	8.6	9.5	10.3	10.3	9.2	7.0	8.7	10.0
60°	8.8	9.6	10.9	12.0	13.2	13.8	13.2	13.3	14.8	17.2	33.0
57.5°	11.8	12.6	14.0	15.9	17.5	17.8	18.3	19.9	46.6	76.1	84.1
55°	14.9	15.5	18.0	20.9	22.6	22.4	32.2	68.0	102.6	142.2	156.7
52.5°	17.9	19.1	23.4	26.9	29.1	45.3	81.7	130.2	181.3	226.7	285.4
50°	20.9	25.2	29.5	34.7	55.3	97.6	150.8	217.0	294.1	366.7	441.0
47.5°	26.1	31.5	38.2	54.7	109.1	167.8	241.4	347.9	443.0	530.8	632.7
45°	32.3	43.4	50.8	108.3	171.5	247.3	371.9	502.1	588.4	705.9	886.2
42.5°	38.7	60.2	97.1	163.6	240.6	362.9	517.4	628.4	743.1	933.6	1123.1
40°	55.7	80.7	146.6	225.6	323.2	501.6	660.1	785.8	942.4	1153.5	1351.4
37.5°	76.4	123.1	196.9	291.8	452.7	648.2	818.0	997.5	1177.6	1376.7	1743.8
35°	99.3	162.6	260.8	388.8	582.4	810.9	1013.3	1213.9	1421.4	1813.4	2177.7
32.5°	129.2	198.9	327.6	501.6	722.5	973.4	1208.3	1440.1	1773.0	2216.6	2582.1
30°	161.4	257.1	404.4	606.0	854.4	1122.2	1404.6	1685.3	2125.8	2492.9	2889.8
27.5°	195.1	318.7	494.5	715.0	977.9	1262.5	1581.3	1981.7	2374.6	2737.4	3173.5
25°	229.6	382.9	576.9	819.3	1099.5	1414.3	1780.9	2268.7	2576.0	2976.9	3431.8
22.5°	274.0	444.3	658.5	913.7	1212.1	1570.2	2037.8	2527.6	2889.3	3226.5	3670.9
20°	325.3	513.4	747.3	1032.2	1322.5	1722.5	2293.2	2808.3	3233.8	3619.9	4028.0
17.5°	373.3	577.9	842.2	1153.1	1483.0	1917.7	2543.8	3113.9	3582.1	4012.4	4521.9
15°	417.7	637.7	935.2	1267.5	1640.8	2141.3	2768.5	3394.6	3929.3	4413.4	4992.5
12.5°	458.3	692.3	1024.8	1374.6	1789.4	2334.1	2957.2	3568.3	4156.0	4786.8	5444.0
10°	494.8	741.4	1109.3	1473.5	1927.2	2497.1	3113.1	3713.2	4306.1	4973.7	5703.8
7.5°	534.1	787.3	1186.1	1563.3	2052.6	2631.8	3237.7	3829.4	4427.4	5123.1	5872.7
5°	570.3	829.5	1247.2	1627.7	2149.5	2736.9	3331.4	3917.7	4519.5	5234.4	6000.6
2.5°	602.2	865.0	1296.9	1678.2	2221.3	2814.2	3392.3	3991.3	4587.8	5324.9	6098.2
0°	629.2	893.8	1334.8	1717.0	2275.6	2869.5	3428.2	4039.7	4627.7	5386.3	6162.4
-2.5°	646.5	941.0	1360.8	1784.6	2323.0	2905.8	3460.2	4053.2	4670.7	5405.7	6234.5
-5°	658.6	979.2	1376.6	1836.8	2354.1	2921.8	3470.8	4042.7	4682.2	5400.8	6245.1
-7.5°	665.7	1006.2	1383.9	1866.4	2365.0	2912.2	3452.9	4022.8	4663.4	5382.3	6198.4
-10°	669.8	1014.7	1393.9	1857.5	2350.6	2880.7	3413.1	3976.1	4610.1	5322.1	6109.7
-12.5°	680.8	1009.3	1392.2	1837.7	2319.7	2833.0	3354.2	3902.1	4521.2	5219.6	5987.1
-15°	683.6	997.1	1375.4	1808.6	2272.5	2770.8	3276.9	3800.7	4411.6	5119.6	5851.5
-17.5°	677.4	978.8	1342.8	1771.5	2209.2	2695.2	3186.0	3709.4	4308.8	5004.4	5709.0
-20°	661.7	955.1	1293.6	1727.6	2134.0	2611.3	3094.9	3613.6	4190.6	4844.4	5549.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	635.9	926.5	1240.4	1666.4	2069.2	2515.0	2988.2	3483.1	4042.5	4637.0	5335.4
-25°	609.3	894.1	1198.5	1582.3	1991.1	2402.4	2865.6	3323.5	3868.5	4452.4	5072.1
-27.5°	584.1	848.9	1154.9	1490.1	1899.3	2282.3	2726.9	3173.5	3672.8	4245.1	4815.7
-30°	551.0	800.1	1101.6	1401.5	1789.4	2169.1	2572.2	3011.8	3460.8	4003.8	4565.2
-32.5°	521.9	749.3	1041.0	1334.0	1671.3	2041.7	2405.4	2824.4	3262.6	3725.6	4280.3
-35°	502.4	719.3	976.8	1256.1	1550.8	1903.1	2249.0	2613.1	3037.5	3471.9	3959.0
-37.5°	486.6	684.8	909.2	1174.8	1455.4	1757.7	2081.6	2416.5	2786.8	3224.9	3682.8
-40°	461.8	646.0	859.1	1097.4	1344.9	1619.8	1920.5	2223.6	2544.7	2972.6	3424.4
-42.5°	430.0	608.4	811.9	1013.1	1239.2	1490.2	1757.4	2042.9	2351.5	2723.2	3138.5
-45°	405.5	560.3	759.4	939.6	1126.8	1356.3	1607.3	1865.9	2156.9	2476.0	2849.1
-47.5°	374.4	508.0	690.8	859.2	1024.1	1220.0	1449.5	1694.3	1952.0	2239.6	2545.3
-50°	341.1	464.4	606.8	770.8	928.0	1090.9	1286.7	1513.1	1746.9	1997.5	2270.3
-52.5°	315.9	413.4	543.3	679.9	829.7	977.5	1144.2	1338.3	1547.1	1756.5	1996.5
-55°	287.4	375.8	482.9	605.3	732.9	869.7	1021.4	1191.5	1361.7	1554.1	1745.6
-57.5°	267.2	339.7	432.5	538.9	653.5	769.7	913.0	1056.7	1214.3	1373.5	1532.3
-60°	251.6	308.5	385.5	479.1	581.3	690.0	807.5	940.3	1076.0	1205.9	1343.2
-62.5°	233.6	283.1	343.3	419.7	512.0	606.5	710.0	823.8	946.6	1056.0	1162.4
-65°	210.3	253.4	305.0	367.2	439.7	519.6	607.8	703.7	809.8	898.6	985.6
-67.5°	183.6	219.9	263.2	314.0	374.4	436.8	501.5	582.6	668.8	741.2	812.1
-70°	150.1	183.6	219.0	260.4	307.8	360.7	417.7	476.5	535.5	594.6	659.4
-72.5°	114.9	145.4	175.5	205.0	242.7	286.0	332.5	381.8	433.3	483.9	533.2
-75°	87.6	107.4	133.7	160.3	186.5	214.7	246.1	285.3	333.2	382.3	427.3
-77.5°	66.1	82.8	100.3	118.6	135.1	155.9	178.6	203.0	242.5	287.8	333.5
-80°	47.7	57.7	71.6	86.3	98.0	109.4	121.3	133.7	163.1	199.6	238.5
-82.5°	35.4	42.2	49.9	58.5	64.4	70.1	76.4	84.6	106.3	131.0	157.0
-85°	24.4	26.4	30.6	35.3	38.6	41.9	45.3	48.8	60.5	73.7	87.8
-87.5°	21.0	22.0	23.1	24.4	24.8	25.2	25.6	25.9	29.9	34.0	38.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	23.5	25.0	26.5	27.9	29.4	30.9	32.4	33.8	35.3	35.3	35.3
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°	0.5	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.7	3.0	3.1	2.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	6.2	5.9	4.4	2.9	1.4	2.2	3.6	4.2	4.3	3.9	3.0
62.5°	9.3	8.6	7.8	9.0	10.7	12.4	11.9	11.2	10.5	10.0	10.3
60°	34.8	23.2	26.8	33.6	31.4	21.5	35.4	40.1	34.2	23.4	22.6
57.5°	88.1	85.0	97.4	142.3	156.7	142.8	170.6	207.1	206.0	177.4	176.5
55°	187.8	251.9	329.4	341.9	395.8	503.9	588.0	551.1	550.9	578.6	667.9
52.5°	356.7	417.3	439.8	500.0	612.6	694.4	747.0	801.3	860.9	921.7	983.4
50°	523.5	582.3	649.0	710.6	866.6	950.5	936.5	1049.2	1193.3	1283.4	1329.6
47.5°	767.8	860.5	1001.5	1222.6	1339.0	1423.1	1527.8	1655.3	1820.5	2044.6	2217.2
45°	1055.5	1201.2	1419.5	1654.4	1835.0	1917.2	2037.0	2234.6	2498.0	2754.4	2941.7
42.5°	1290.7	1490.6	1736.8	1961.2	2108.5	2243.6	2398.7	2565.3	2867.0	3140.9	3357.4
40°	1597.6	1753.3	2029.5	2241.0	2372.9	2506.9	2752.6	3002.0	3285.7	3540.9	3718.2
37.5°	1986.6	2161.8	2449.1	2688.3	2815.3	2862.7	3280.5	3627.7	3858.3	4184.0	4290.6
35°	2404.4	2692.9	3059.0	3369.1	3493.6	3742.1	4172.6	4657.0	5182.0	5375.0	5539.6
32.5°	2870.6	3226.5	3723.2	4056.1	4233.7	4610.8	5155.6	5672.7	6359.1	6731.6	6843.0
30°	3297.1	3705.4	4132.4	4455.9	4759.6	5213.8	5710.6	6348.3	6982.9	7459.2	7607.2
27.5°	3610.1	4061.9	4472.4	4775.3	5118.1	5607.8	6227.2	6872.9	7495.9	7981.8	8154.5
25°	3908.8	4419.5	4744.6	5096.8	5499.2	6032.9	6719.3	7436.8	8050.5	8461.1	8672.9
22.5°	4248.6	4752.2	5101.1	5399.5	5925.7	6540.6	7177.8	7988.5	8638.6	8966.3	9195.9
20°	4599.3	5169.1	5708.1	5985.6	6441.0	7219.6	7932.8	8698.2	9326.0	9667.5	9909.3
17.5°	5088.7	5814.8	6475.8	6868.8	7356.5	8287.4	9177.4	9951.7	10825.0	11133.5	11429.0
15°	5604.8	6445.1	7219.5	7842.1	8471.9	9394.4	10540.1	11474.4	12470.9	12915.9	13419.0
12.5°	6119.2	6914.3	7615.9	8419.1	9306.8	10122.8	11213.5	12376.9	13281.2	13848.8	14187.5
10°	6503.6	7242.2	7917.3	8722.4	9608.4	10531.4	11615.4	12807.9	13754.6	14238.9	14515.3
7.5°	6711.2	7418.1	8130.2	8946.1	9828.1	10811.1	11927.9	13111.1	14079.0	14548.3	14821.2
5°	6865.4	7544.2	8281.6	9140.5	10032.3	11029.1	12144.3	13313.4	14195.9	14694.7	15039.8
2.5°	6958.6	7624.1	8378.1	9266.1	10160.1	11198.3	12367.4	13579.2	14351.4	14752.6	15070.1
0°	6985.7	7656.0	8432.2	9331.9	10249.2	11295.8	12454.2	13653.8	14435.9	14824.0	15147.4
-2.5°	7016.1	7706.3	8503.8	9374.5	10284.0	11327.7	12510.2	13679.1	14382.6	14774.2	15081.9
-5°	6994.9	7710.2	8505.2	9339.2	10254.8	11290.1	12425.2	13518.2	14254.1	14677.5	14983.4
-7.5°	6931.6	7657.1	8443.9	9245.4	10143.5	11190.7	12321.0	13373.4	14118.9	14565.4	14900.1
-10°	6839.5	7543.8	8336.1	9147.8	10035.1	11031.9	12144.9	13190.9	13904.5	14378.6	14768.7
-12.5°	6737.4	7427.1	8190.8	8969.4	9847.0	10831.4	11909.8	12900.1	13609.3	14126.4	14405.2
-15°	6586.2	7275.4	8005.5	8758.7	9614.0	10569.1	11599.2	12549.3	13245.8	13666.5	13974.6
-17.5°	6393.8	7070.1	7762.2	8476.6	9282.4	10222.9	11259.3	12196.3	12764.1	13139.9	13442.7
-20°	6187.7	6813.1	7468.8	8142.9	8924.0	9855.7	10873.5	11690.8	12225.9	12587.0	12873.0



REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	5952.3	6554.6	7154.8	7799.2	8565.1	9419.3	10318.3	11108.1	11683.5	12012.3	12276.6
-25°	5683.6	6269.5	6839.5	7461.9	8165.7	8933.6	9769.5	10545.6	11060.9	11410.3	11672.3
-27.5°	5394.2	5944.7	6501.4	7060.3	7693.1	8458.2	9232.3	9953.3	10393.2	10745.3	11008.9
-30°	5105.4	5600.5	6115.6	6644.7	7238.6	7928.4	8652.5	9258.8	9722.7	10064.8	10309.5
-32.5°	4792.3	5262.2	5718.6	6213.1	6772.3	7380.2	8015.7	8592.4	9088.1	9401.4	9607.7
-35°	4471.8	4926.6	5344.3	5793.1	6286.4	6811.0	7397.6	7966.4	8455.9	8703.8	8904.9
-37.5°	4137.8	4591.3	4987.4	5362.3	5787.2	6273.1	6844.4	7387.1	7810.0	8023.1	8204.3
-40°	3847.5	4246.7	4603.2	4962.0	5307.4	5738.9	6272.0	6797.5	7136.8	7344.5	7512.8
-42.5°	3565.6	3902.4	4194.3	4515.9	4861.6	5287.0	5717.2	6157.7	6430.5	6661.0	6838.3
-45°	3237.3	3538.3	3812.0	4079.5	4394.8	4783.1	5174.0	5526.9	5782.3	6005.1	6177.8
-47.5°	2874.1	3164.8	3430.6	3669.8	3962.8	4286.7	4615.7	4909.4	5161.7	5381.8	5535.9
-50°	2535.7	2795.4	3054.9	3297.0	3550.9	3813.0	4079.9	4337.6	4577.1	4791.0	4922.1
-52.5°	2232.6	2472.2	2699.0	2910.6	3132.9	3354.2	3575.3	3811.3	4031.7	4234.2	4338.8
-55°	1958.3	2174.3	2379.1	2557.3	2735.6	2911.2	3100.7	3318.6	3521.5	3709.0	3784.1
-57.5°	1712.1	1896.9	2078.1	2228.9	2374.4	2514.1	2680.4	2864.4	3042.0	3202.7	3264.2
-60°	1485.6	1632.3	1783.8	1917.6	2044.4	2164.2	2309.2	2457.4	2601.4	2722.6	2774.9
-62.5°	1277.3	1402.8	1517.5	1626.3	1733.7	1841.5	1958.6	2076.1	2192.5	2285.8	2333.1
-65°	1076.4	1176.3	1268.6	1358.0	1444.7	1535.3	1626.9	1716.3	1802.4	1869.1	1910.0
-67.5°	887.9	963.8	1037.0	1106.7	1179.3	1252.7	1324.4	1392.8	1457.5	1509.0	1548.2
-70°	720.7	779.5	836.8	894.5	955.0	1012.1	1066.1	1117.3	1165.5	1202.6	1232.8
-72.5°	581.0	628.7	678.1	730.1	779.0	821.7	860.5	897.9	933.7	954.7	970.4
-75°	468.4	508.6	551.6	593.6	634.5	666.9	695.4	723.0	749.5	750.9	745.6
-77.5°	378.4	414.3	447.6	480.6	513.3	533.2	550.7	568.6	586.8	576.3	559.6
-80°	277.7	307.6	335.9	364.3	392.7	404.5	412.8	419.9	426.0	412.2	395.3
-82.5°	184.3	203.1	221.5	240.2	259.2	266.8	272.4	277.1	280.8	268.3	254.0
-85°	102.8	111.9	120.8	129.7	138.7	144.1	148.9	153.3	157.3	150.0	141.6
-87.5°	42.7	44.8	46.8	48.8	50.7	52.6	54.4	56.2	58.0	58.2	58.4
-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: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	33.8
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	0.0	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°	1.8	0.3	0.0	0.0	0.0	0.3	1.8	3.0	3.9	4.3	4.2
62.5°	10.8	11.3	11.7	11.8	11.7	11.3	10.8	10.3	10.0	10.5	11.2
60°	20.8	18.2	17.5	17.6	17.5	18.2	20.8	22.6	23.4	34.2	40.1
57.5°	163.0	139.5	143.0	158.8	143.0	139.5	163.0	176.5	177.4	206.0	207.1
55°	761.8	850.3	881.6	864.4	881.6	850.3	761.8	667.9	578.6	550.9	551.1
52.5°	1032.1	1068.4	1082.4	1082.0	1082.4	1068.4	1032.1	983.4	921.7	860.9	801.3
50°	1343.6	1331.3	1312.4	1293.6	1312.4	1331.3	1343.6	1329.6	1283.4	1193.3	1049.2
47.5°	2242.4	2203.6	2187.1	2216.8	2187.1	2203.6	2242.4	2217.2	2044.6	1820.5	1655.3
45°	2979.9	3025.4	3059.4	3057.7	3059.4	3025.4	2979.9	2941.7	2754.4	2498.0	2234.6
42.5°	3399.8	3424.1	3431.1	3422.3	3431.1	3424.1	3399.8	3357.4	3140.9	2867.0	2565.3
40°	3774.0	3802.9	3819.2	3833.9	3819.2	3802.9	3774.0	3718.2	3540.9	3285.7	3002.0
37.5°	4325.7	4336.3	4313.2	4298.4	4313.2	4336.3	4325.7	4290.6	4184.0	3858.3	3627.7
35°	5678.3	5706.1	5641.9	5709.7	5641.9	5706.1	5678.3	5539.6	5375.0	5182.0	4657.0
32.5°	6975.6	7105.4	7210.4	7297.3	7210.4	7105.4	6975.6	6843.0	6731.6	6359.1	5672.7
30°	7710.4	7794.2	7839.2	7850.1	7839.2	7794.2	7710.4	7607.2	7459.2	6982.9	6348.3
27.5°	8250.0	8337.8	8392.5	8432.2	8392.5	8337.8	8250.0	8154.5	7981.8	7495.9	6872.9
25°	8769.9	8850.2	8904.8	8926.1	8904.8	8850.2	8769.9	8672.9	8461.1	8050.5	7436.8
22.5°	9309.5	9365.3	9417.8	9443.6	9417.8	9365.3	9309.5	9195.9	8966.3	8638.6	7988.5
20°	10083.0	10052.7	10100.6	10084.5	10100.6	10052.7	10083.0	9909.3	9667.5	9326.0	8698.2
17.5°	11659.4	11675.7	11707.7	11760.4	11707.7	11675.7	11659.4	11429.0	11133.5	10825.0	9951.7
15°	13641.9	13681.8	13884.6	14065.4	13884.6	13681.8	13641.9	13419.0	12915.9	12470.9	11474.4
12.5°	14501.8	14639.9	14661.3	14712.2	14661.3	14639.9	14501.8	14187.5	13848.8	13281.2	12376.9
10°	14788.8	15027.9	15022.7	15082.7	15022.7	15027.9	14788.8	14515.3	14238.9	13754.6	12807.9
7.5°	15006.5	15263.2	15371.7	15417.9	15371.7	15263.2	15006.5	14821.2	14548.3	14079.0	13111.1
5°	15272.4	15413.6	15600.8	15547.2	15600.8	15413.6	15272.4	15039.8	14694.7	14195.9	13313.4
2.5°	15383.8	15604.9	15553.8	15606.0	15553.8	15604.9	15383.8	15070.1	14752.6	14351.4	13579.2
0°	15459.0	15617.8	15641.3	15694.2	15641.3	15617.8	15459.0	15147.4	14824.0	14435.9	13653.8
-2.5°	15367.9	15507.6	15752.2	15676.6	15752.2	15507.6	15367.9	15081.9	14774.2	14382.6	13679.1
-5°	15287.9	15631.8	15498.2	15664.8	15498.2	15631.8	15287.9	14983.4	14677.5	14254.1	13518.2
-7.5°	15246.6	15308.1	15396.7	15523.7	15396.7	15308.1	15246.6	14900.1	14565.4	14118.9	13373.4
-10°	14927.4	14990.4	15153.3	15241.5	15153.3	14990.4	14927.4	14768.7	14378.6	13904.5	13190.9
-12.5°	14581.3	14703.1	14874.2	14929.8	14874.2	14703.1	14581.3	14405.2	14126.4	13609.3	12900.1
-15°	14182.6	14363.5	14530.2	14565.2	14530.2	14363.5	14182.6	13974.6	13666.5	13245.8	12549.3
-17.5°	13675.6	13892.5	14067.7	14106.6	14067.7	13892.5	13675.6	13442.7	13139.9	12764.1	12196.3
-20°	13116.9	13324.6	13473.6	13518.6	13473.6	13324.6	13116.9	12873.0	12587.0	12225.9	11690.8



REPORT NUMBER: P627630 (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°	12518.8	12705.8	12831.8	12812.9	12831.8	12705.8	12518.8	12276.6	12012.3	11683.5	11108.1
-25°	11883.7	12057.3	12177.4	12160.2	12177.4	12057.3	11883.7	11672.3	11410.3	11060.9	10545.6
-27.5°	11212.3	11376.8	11492.1	11495.8	11492.1	11376.8	11212.3	11008.9	10745.3	10393.2	9953.3
-30°	10506.8	10656.2	10749.9	10713.7	10749.9	10656.2	10506.8	10309.5	10064.8	9722.7	9258.8
-32.5°	9779.2	9914.3	10000.1	10025.7	10000.1	9914.3	9779.2	9607.7	9401.4	9088.1	8592.4
-35°	9061.5	9180.6	9254.7	9273.1	9254.7	9180.6	9061.5	8904.9	8703.8	8455.9	7966.4
-37.5°	8348.5	8451.0	8502.7	8479.2	8502.7	8451.0	8348.5	8204.3	8023.1	7810.0	7387.1
-40°	7643.8	7741.4	7800.7	7814.8	7800.7	7741.4	7643.8	7512.8	7344.5	7136.8	6797.5
-42.5°	6950.9	7032.1	7084.1	7109.2	7084.1	7032.1	6950.9	6838.3	6661.0	6430.5	6157.7
-45°	6278.5	6351.1	6399.9	6427.0	6399.9	6351.1	6278.5	6177.8	6005.1	5782.3	5526.9
-47.5°	5624.3	5688.0	5730.1	5750.8	5730.1	5688.0	5624.3	5535.9	5381.8	5161.7	4909.4
-50°	4998.8	5053.8	5093.1	5115.8	5093.1	5053.8	4998.8	4922.1	4791.0	4577.1	4337.6
-52.5°	4405.5	4453.6	4487.1	4504.2	4487.1	4453.6	4405.5	4338.8	4234.2	4031.7	3811.3
-55°	3839.0	3878.0	3909.0	3928.0	3909.0	3878.0	3839.0	3784.1	3709.0	3521.5	3318.6
-57.5°	3310.7	3342.6	3371.9	3392.9	3371.9	3342.6	3310.7	3264.2	3202.7	3042.0	2864.4
-60°	2816.2	2846.3	2871.3	2887.2	2871.3	2846.3	2816.2	2774.9	2722.6	2601.4	2457.4
-62.5°	2370.0	2396.6	2419.5	2434.4	2419.5	2396.6	2370.0	2333.1	2285.8	2192.5	2076.1
-65°	1942.2	1966.1	1983.1	1993.4	1983.1	1966.1	1942.2	1910.0	1869.1	1802.4	1716.3
-67.5°	1581.6	1609.1	1614.6	1611.2	1614.6	1609.1	1581.6	1548.2	1509.0	1457.5	1392.8
-70°	1259.7	1283.0	1288.5	1287.8	1288.5	1283.0	1259.7	1232.8	1202.6	1165.5	1117.3
-72.5°	985.0	997.7	986.9	970.2	986.9	997.7	985.0	970.4	954.7	933.7	897.9
-75°	739.1	731.0	719.6	705.6	719.6	731.0	739.1	745.6	750.9	749.5	723.0
-77.5°	541.3	521.3	508.2	493.9	508.2	521.3	541.3	559.6	576.3	586.8	568.6
-80°	376.9	357.3	343.7	329.3	343.7	357.3	376.9	395.3	412.2	426.0	419.9
-82.5°	238.7	222.6	214.4	205.8	214.4	222.6	238.7	254.0	268.3	280.8	277.1
-85°	132.6	123.1	117.5	111.7	117.5	123.1	132.6	141.6	150.0	157.3	153.3
-87.5°	58.6	58.7	55.8	52.9	55.8	58.7	58.6	58.4	58.2	58.0	56.2
-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°	32.4	30.9	29.4	27.9	26.5	25.0	23.5	22.0	20.6	19.1	17.6
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	0.2	0.2	0.0	0.0	0.5	0.7	0.3	0.0	0.6
67.5°	0.0	0.0	1.1	2.4	3.1	3.0	2.7	3.0	3.5	3.2	3.0
65°	3.6	2.2	1.4	2.9	4.4	5.9	6.2	5.4	5.3	6.1	7.3
62.5°	11.9	12.4	10.7	9.0	7.8	8.6	9.3	10.0	8.7	7.0	9.2
60°	35.4	21.5	31.4	33.6	26.8	23.2	34.8	33.0	17.2	14.8	13.3
57.5°	170.6	142.8	156.7	142.3	97.4	85.0	88.1	84.1	76.1	46.6	19.9
55°	588.0	503.9	395.8	341.9	329.4	251.9	187.8	156.7	142.2	102.6	68.0
52.5°	747.0	694.4	612.6	500.0	439.8	417.3	356.7	285.4	226.7	181.3	130.2
50°	936.5	950.5	866.6	710.6	649.0	582.3	523.5	441.0	366.7	294.1	217.0
47.5°	1527.8	1423.1	1339.0	1222.6	1001.5	860.5	767.8	632.7	530.8	443.0	347.9
45°	2037.0	1917.2	1835.0	1654.4	1419.5	1201.2	1055.5	886.2	705.9	588.4	502.1
42.5°	2398.7	2243.6	2108.5	1961.2	1736.8	1490.6	1290.7	1123.1	933.6	743.1	628.4
40°	2752.6	2506.9	2372.9	2241.0	2029.5	1753.3	1597.6	1351.4	1153.5	942.4	785.8
37.5°	3280.5	2862.7	2815.3	2688.3	2449.1	2161.8	1986.6	1743.8	1376.7	1177.6	997.5
35°	4172.6	3742.1	3493.6	3369.1	3059.0	2692.9	2404.4	2177.7	1813.4	1421.4	1213.9
32.5°	5155.6	4610.8	4233.7	4056.1	3723.2	3226.5	2870.6	2582.1	2216.6	1773.0	1440.1
30°	5710.6	5213.8	4759.6	4455.9	4132.4	3705.4	3297.1	2889.8	2492.9	2125.8	1685.3
27.5°	6227.2	5607.8	5118.1	4775.3	4472.4	4061.9	3610.1	3173.5	2737.4	2374.6	1981.7
25°	6719.3	6032.9	5499.2	5096.8	4744.6	4419.5	3908.8	3431.8	2976.9	2576.0	2268.7
22.5°	7177.8	6540.6	5925.7	5399.5	5101.1	4752.2	4248.6	3670.9	3226.5	2889.3	2527.6
20°	7932.8	7219.6	6441.0	5985.6	5708.1	5169.1	4599.3	4028.0	3619.9	3233.8	2808.3
17.5°	9177.4	8287.4	7356.5	6868.8	6475.8	5814.8	5088.7	4521.9	4012.4	3582.1	3113.9
15°	10540.1	9394.4	8471.9	7842.1	7219.5	6445.1	5604.8	4992.5	4413.4	3929.3	3394.6
12.5°	11213.5	10122.8	9306.8	8419.1	7615.9	6914.3	6119.2	5444.0	4786.8	4156.0	3568.3
10°	11615.4	10531.4	9608.4	8722.4	7917.3	7242.2	6503.6	5703.8	4973.7	4306.1	3713.2
7.5°	11927.9	10811.1	9828.1	8946.1	8130.2	7418.1	6711.2	5872.7	5123.1	4427.4	3829.4
5°	12144.3	11029.1	10032.3	9140.5	8281.6	7544.2	6865.4	6000.6	5234.4	4519.5	3917.7
2.5°	12367.4	11198.3	10160.1	9266.1	8378.1	7624.1	6958.6	6098.2	5324.9	4587.8	3991.3
0°	12454.2	11295.8	10249.2	9331.9	8432.2	7656.0	6985.7	6162.4	5386.3	4627.7	4039.7
-2.5°	12510.2	11327.7	10284.0	9374.5	8503.8	7706.3	7016.1	6234.5	5405.7	4670.7	4053.2
-5°	12425.2	11290.1	10254.8	9339.2	8505.2	7710.2	6994.9	6245.1	5400.8	4682.2	4042.7
-7.5°	12321.0	11190.7	10143.5	9245.4	8443.9	7657.1	6931.6	6198.4	5382.3	4663.4	4022.8
-10°	12144.9	11031.9	10035.1	9147.8	8336.1	7543.8	6839.5	6109.7	5322.1	4610.1	3976.1
-12.5°	11909.8	10831.4	9847.0	8969.4	8190.8	7427.1	6737.4	5987.1	5219.6	4521.2	3902.1
-15°	11599.2	10569.1	9614.0	8758.7	8005.5	7275.4	6586.2	5851.5	5119.6	4411.6	3800.7
-17.5°	11259.3	10222.9	9282.4	8476.6	7762.2	7070.1	6393.8	5709.0	5004.4	4308.8	3709.4
-20°	10873.5	9855.7	8924.0	8142.9	7468.8	6813.1	6187.7	5549.7	4844.4	4190.6	3613.6



REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	10318.3	9419.3	8565.1	7799.2	7154.8	6554.6	5952.3	5335.4	4637.0	4042.5	3483.1
-25°	9769.5	8933.6	8165.7	7461.9	6839.5	6269.5	5683.6	5072.1	4452.4	3868.5	3323.5
-27.5°	9232.3	8458.2	7693.1	7060.3	6501.4	5944.7	5394.2	4815.7	4245.1	3672.8	3173.5
-30°	8652.5	7928.4	7238.6	6644.7	6115.6	5600.5	5105.4	4565.2	4003.8	3460.8	3011.8
-32.5°	8015.7	7380.2	6772.3	6213.1	5718.6	5262.2	4792.3	4280.3	3725.6	3262.6	2824.4
-35°	7397.6	6811.0	6286.4	5793.1	5344.3	4926.6	4471.8	3959.0	3471.9	3037.5	2613.1
-37.5°	6844.4	6273.1	5787.2	5362.3	4987.4	4591.3	4137.8	3682.8	3224.9	2786.8	2416.5
-40°	6272.0	5738.9	5307.4	4962.0	4603.2	4246.7	3847.5	3424.4	2972.6	2544.7	2223.6
-42.5°	5717.2	5287.0	4861.6	4515.9	4194.3	3902.4	3565.6	3138.5	2723.2	2351.5	2042.9
-45°	5174.0	4783.1	4394.8	4079.5	3812.0	3538.3	3237.3	2849.1	2476.0	2156.9	1865.9
-47.5°	4615.7	4286.7	3962.8	3669.8	3430.6	3164.8	2874.1	2545.3	2239.6	1952.0	1694.3
-50°	4079.9	3813.0	3550.9	3297.0	3054.9	2795.4	2535.7	2270.3	1997.5	1746.9	1513.1
-52.5°	3575.3	3354.2	3132.9	2910.6	2699.0	2472.2	2232.6	1996.5	1756.5	1547.1	1338.3
-55°	3100.7	2911.2	2735.6	2557.3	2379.1	2174.3	1958.3	1745.6	1554.1	1361.7	1191.5
-57.5°	2680.4	2514.1	2374.4	2228.9	2078.1	1896.9	1712.1	1532.3	1373.5	1214.3	1056.7
-60°	2309.2	2164.2	2044.4	1917.6	1783.8	1632.3	1485.6	1343.2	1205.9	1076.0	940.3
-62.5°	1958.6	1841.5	1733.7	1626.3	1517.5	1402.8	1277.3	1162.4	1056.0	946.6	823.8
-65°	1626.9	1535.3	1444.7	1358.0	1268.6	1176.3	1076.4	985.6	898.6	809.8	703.7
-67.5°	1324.4	1252.7	1179.3	1106.7	1037.0	963.8	887.9	812.1	741.2	668.8	582.6
-70°	1066.1	1012.1	955.0	894.5	836.8	779.5	720.7	659.4	594.6	535.5	476.5
-72.5°	860.5	821.7	779.0	730.1	678.1	628.7	581.0	533.2	483.9	433.3	381.8
-75°	695.4	666.9	634.5	593.6	551.6	508.6	468.4	427.3	382.3	333.2	285.3
-77.5°	550.7	533.2	513.3	480.6	447.6	414.3	378.4	333.5	287.8	242.5	203.0
-80°	412.8	404.5	392.7	364.3	335.9	307.6	277.7	238.5	199.6	163.1	133.7
-82.5°	272.4	266.8	259.2	240.2	221.5	203.1	184.3	157.0	131.0	106.3	84.6
-85°	148.9	144.1	138.7	129.7	120.8	111.9	102.8	87.8	73.7	60.5	48.8
-87.5°	54.4	52.6	50.7	48.8	46.8	44.8	42.7	38.3	34.0	29.9	25.9
-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: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5C-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°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	16.2	14.7	13.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	3.1
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	0.9	1.8
82.5°	0.0	0.0	0.0	0.1	1.0	1.5	1.7	1.6	0.9	0.1	0.5
80°	0.0	0.0	0.0	0.2	1.5	3.1	3.9	4.0	3.1	2.1	1.2
77.5°	0.0	0.0	0.0	0.1	0.6	1.7	3.4	5.3	5.3	4.1	2.9
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.2	3.1	4.8	5.8	4.6
72.5°	0.0	0.0	0.0	0.7	1.6	1.7	1.0	1.0	3.4	5.0	5.8
70°	0.9	0.3	0.0	1.0	2.4	3.6	3.3	2.7	2.3	4.3	5.6
67.5°	2.8	3.0	2.2	1.7	2.7	4.1	5.5	5.3	4.6	3.8	5.4
65°	6.9	6.4	5.8	5.1	4.4	4.4	5.7	7.3	6.9	5.9	5.4
62.5°	10.3	10.3	9.5	8.6	7.7	6.7	6.1	8.1	8.9	7.9	6.7
60°	13.2	13.8	13.2	12.0	10.9	9.6	8.8	9.2	10.3	10.0	8.4
57.5°	18.3	17.8	17.5	15.9	14.0	12.6	11.8	11.5	11.8	11.7	10.2
55°	32.2	22.4	22.6	20.9	18.0	15.5	14.9	14.3	13.6	13.4	11.9
52.5°	81.7	45.3	29.1	26.9	23.4	19.1	17.9	17.1	16.2	15.3	13.6
50°	150.8	97.6	55.3	34.7	29.5	25.2	20.9	19.8	18.7	17.4	15.3
47.5°	241.4	167.8	109.1	54.7	38.2	31.5	26.1	22.6	21.1	19.6	16.9
45°	371.9	247.3	171.5	108.3	50.8	43.4	32.3	25.3	23.6	21.7	18.5
42.5°	517.4	362.9	240.6	163.6	97.1	60.2	38.7	30.7	26.0	23.9	20.3
40°	660.1	501.6	323.2	225.6	146.6	80.7	55.7	36.7	28.5	26.2	22.3
37.5°	818.0	648.2	452.7	291.8	196.9	123.1	76.4	42.7	32.4	28.6	24.4
35°	1013.3	810.9	582.4	388.8	260.8	162.6	99.3	54.3	39.8	31.2	26.5
32.5°	1208.3	973.4	722.5	501.6	327.6	198.9	129.2	77.6	48.5	33.9	28.7
30°	1404.6	1122.2	854.4	606.0	404.4	257.1	161.4	100.2	58.3	36.7	31.0
27.5°	1581.3	1262.5	977.9	715.0	494.5	318.7	195.1	122.0	69.3	41.6	33.3
25°	1780.9	1414.3	1099.5	819.3	576.9	382.9	229.6	143.5	85.5	50.1	35.6
22.5°	2037.8	1570.2	1212.1	913.7	658.5	444.3	274.0	171.8	103.1	59.0	37.9
20°	2293.2	1722.5	1322.5	1032.2	747.3	513.4	325.3	199.9	119.9	68.3	40.2
17.5°	2543.8	1917.7	1483.0	1153.1	842.2	577.9	373.3	227.5	135.8	77.8	42.4
15°	2768.5	2141.3	1640.8	1267.5	935.2	637.7	417.7	254.4	150.6	87.3	45.4
12.5°	2957.2	2334.1	1789.4	1374.6	1024.8	692.3	458.3	280.1	164.3	97.9	49.5
10°	3113.1	2497.1	1927.2	1473.5	1109.3	741.4	494.8	305.9	180.4	109.1	53.8
7.5°	3237.7	2631.8	2052.6	1563.3	1186.1	787.3	534.1	333.1	195.9	119.8	58.2
5°	3331.4	2736.9	2149.5	1627.7	1247.2	829.5	570.3	358.0	210.3	129.8	62.5
2.5°	3392.3	2814.2	2221.3	1678.2	1296.9	865.0	602.2	380.5	223.5	138.9	66.7
0°	3428.2	2869.5	2275.6	1717.0	1334.8	893.8	629.2	399.9	235.2	147.0	70.6
-2.5°	3460.2	2905.8	2323.0	1784.6	1360.8	941.0	646.5	417.4	253.8	152.8	77.8
-5°	3470.8	2921.8	2354.1	1836.8	1376.6	979.2	658.6	431.7	270.0	157.5	84.3
-7.5°	3452.9	2912.2	2365.0	1866.4	1383.9	1006.2	665.7	442.9	283.3	161.2	90.1
-10°	3413.1	2880.7	2350.6	1857.5	1393.9	1014.7	669.8	451.2	293.0	163.9	94.8
-12.5°	3354.2	2833.0	2319.7	1837.7	1392.2	1009.3	680.8	457.6	298.0	165.8	98.3
-15°	3276.9	2770.8	2272.5	1808.6	1375.4	997.1	683.6	459.9	297.4	169.2	100.5
-17.5°	3186.0	2695.2	2209.2	1771.5	1342.8	978.8	677.4	457.1	294.4	174.3	102.6
-20°	3094.9	2611.3	2134.0	1727.6	1293.6	955.1	661.7	448.6	289.0	177.6	104.7

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	2988.2	2515.0	2069.2	1666.4	1240.4	926.5	635.9	434.4	281.3	179.0	105.7
-25°	2865.6	2402.4	1991.1	1582.3	1198.5	894.1	609.3	414.0	271.3	178.5	105.4
-27.5°	2726.9	2282.3	1899.3	1490.1	1154.9	848.9	584.1	399.2	262.8	176.0	103.8
-30°	2572.2	2169.1	1789.4	1401.5	1101.6	800.1	551.0	382.5	259.0	172.7	100.9
-32.5°	2405.4	2041.7	1671.3	1334.0	1041.0	749.3	521.9	363.6	252.6	168.5	101.0
-35°	2249.0	1903.1	1550.8	1256.1	976.8	719.3	502.4	342.7	243.4	162.7	101.6
-37.5°	2081.6	1757.7	1455.4	1174.8	909.2	684.8	486.6	333.3	231.6	155.2	101.2
-40°	1920.5	1619.8	1344.9	1097.4	859.1	646.0	461.8	322.9	220.3	146.0	99.9
-42.5°	1757.4	1490.2	1239.2	1013.1	811.9	608.4	430.0	306.8	211.2	140.8	97.6
-45°	1607.3	1356.3	1126.8	939.6	759.4	560.3	405.5	286.7	200.0	137.0	95.5
-47.5°	1449.5	1220.0	1024.1	859.2	690.8	508.0	374.4	270.9	186.5	132.0	94.1
-50°	1286.7	1090.9	928.0	770.8	606.8	464.4	341.1	252.0	181.6	128.1	91.8
-52.5°	1144.2	977.5	829.7	679.9	543.3	413.4	315.9	231.8	175.2	124.8	88.5
-55°	1021.4	869.7	732.9	605.3	482.9	375.8	287.4	222.1	167.2	120.7	84.5
-57.5°	913.0	769.7	653.5	538.9	432.5	339.7	267.2	210.6	158.9	115.1	81.0
-60°	807.5	690.0	581.3	479.1	385.5	308.5	251.6	197.4	149.0	107.9	77.0
-62.5°	710.0	606.5	512.0	419.7	343.3	283.1	233.6	182.0	137.2	98.9	71.8
-65°	607.8	519.6	439.7	367.2	305.0	253.4	210.3	164.6	121.8	88.1	65.0
-67.5°	501.5	436.8	374.4	314.0	263.2	219.9	183.6	141.4	103.7	75.6	57.1
-70°	417.7	360.7	307.8	260.4	219.0	183.6	150.1	114.3	83.6	64.8	48.6
-72.5°	332.5	286.0	242.7	205.0	175.5	145.4	114.9	87.5	69.3	53.4	39.8
-75°	246.1	214.7	186.5	160.3	133.7	107.4	87.6	69.5	54.6	41.6	33.5
-77.5°	178.6	155.9	135.1	118.6	100.3	82.8	66.1	51.0	41.3	34.5	28.2
-80°	121.3	109.4	98.0	86.3	71.6	57.7	47.7	39.2	33.3	27.8	22.7
-82.5°	76.4	70.1	64.4	58.5	49.9	42.2	35.4	29.6	25.1	20.9	18.4
-85°	45.3	41.9	38.6	35.3	30.6	26.4	24.4	22.5	20.6	18.7	16.7
-87.5°	25.6	25.2	24.8	24.4	23.1	22.0	21.0	20.1	18.4	16.7	15.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.9	4.4

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REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.8	10.3	8.9	7.4	5.9	5.9	5.9
87.5°	4.4	4.9	5.4	5.7	5.9	5.9	5.9
85°	2.9	4.0	4.9	5.5	5.9	5.9	5.9
82.5°	1.4	3.1	4.4	5.3	5.9	5.9	5.9
80°	0.3	2.2	3.9	5.2	5.9	5.9	5.9
77.5°	1.8	2.0	3.5	5.0	5.9	5.9	5.9
75°	3.3	2.9	3.2	4.9	5.9	5.9	5.9
72.5°	4.7	3.8	3.7	4.8	5.9	5.9	5.9
70°	5.9	4.7	4.2	4.7	5.9	5.9	5.9
67.5°	6.1	5.5	4.7	4.9	5.9	5.9	5.9
65°	6.3	6.1	5.1	5.1	5.9	5.9	5.9
62.5°	6.6	6.6	5.5	5.3	5.9	5.9	5.9
60°	7.0	7.1	5.9	5.5	5.9	5.9	5.9
57.5°	8.4	7.6	6.4	5.6	6.0	5.9	5.9
55°	9.9	8.3	7.0	5.7	6.1	5.9	5.9
52.5°	11.3	9.0	7.7	5.8	6.2	5.9	5.9
50°	12.8	10.2	8.3	5.9	6.3	5.9	5.9
47.5°	14.2	11.4	9.0	6.0	6.4	5.9	5.9
45°	15.6	12.5	9.7	6.6	6.6	5.9	5.9
42.5°	16.9	13.7	10.5	7.1	6.8	5.9	5.9
40°	18.2	14.7	11.3	7.8	7.0	5.9	5.9
37.5°	19.5	15.8	12.1	8.6	7.2	5.9	5.9
35°	20.7	16.8	12.9	9.4	7.5	5.9	5.9
32.5°	22.0	17.8	13.7	10.1	7.8	5.9	5.9
30°	23.8	18.7	14.4	10.9	8.1	5.9	5.9
27.5°	25.6	19.6	15.4	11.6	8.4	5.9	5.9
25°	27.3	20.5	16.3	12.2	8.7	5.9	5.9
22.5°	29.0	21.4	17.2	12.9	9.0	5.9	5.9
20°	30.7	22.5	18.0	13.5	9.3	5.9	5.9
17.5°	32.4	23.5	18.8	14.2	9.6	5.9	5.9
15°	34.1	24.5	19.6	14.7	10.0	5.9	5.9
12.5°	35.6	25.4	20.4	15.3	10.3	5.9	5.9
10°	37.0	26.3	21.1	15.8	10.6	5.9	5.9
7.5°	38.2	27.2	21.7	16.3	10.9	5.9	5.9
5°	39.3	28.0	22.4	16.8	11.2	5.9	5.9
2.5°	40.3	28.7	23.0	17.2	11.5	5.9	5.9
0°	41.2	29.4	23.5	17.6	11.8	5.9	5.9
-2.5°	43.5	30.0	24.0	17.6	11.8	5.9	5.9
-5°	45.6	30.6	24.4	17.5	11.8	5.9	5.9
-7.5°	47.4	31.1	24.8	17.5	11.7	5.9	5.9
-10°	48.9	31.5	25.1	17.3	11.6	5.9	5.9
-12.5°	50.0	31.9	25.3	17.2	11.5	5.9	5.9
-15°	50.8	32.3	25.3	17.0	11.4	5.9	5.9
-17.5°	51.0	32.5	25.3	16.8	11.3	5.9	5.9
-20°	52.3	32.7	25.1	16.5	11.1	5.9	5.9

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REPORT NUMBER: P627630 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	55.7	32.8	24.8	16.3	10.9	5.9	5.9
-25°	58.4	35.0	24.4	16.0	10.7	5.9	5.9
-27.5°	60.6	37.7	23.8	15.6	10.5	5.9	5.9
-30°	62.0	40.1	23.2	15.3	10.2	5.9	5.9
-32.5°	62.8	42.0	24.1	14.9	9.9	5.9	5.9
-35°	64.5	43.6	24.7	14.4	9.7	5.9	5.9
-37.5°	66.3	44.5	25.1	14.0	9.4	5.9	5.9
-40°	67.3	44.9	25.3	13.5	9.0	5.9	5.9
-42.5°	67.6	44.9	25.5	13.2	8.7	5.9	5.9
-45°	67.3	44.5	25.6	13.3	8.3	5.9	5.9
-47.5°	66.3	43.9	25.4	13.2	8.0	5.9	5.9
-50°	64.9	42.9	25.0	13.1	7.6	5.9	5.9
-52.5°	63.1	41.5	24.2	12.8	7.2	5.9	5.9
-55°	60.8	39.8	23.2	12.5	6.8	5.9	5.9
-57.5°	58.1	37.7	21.9	12.0	6.3	5.9	5.9
-60°	54.9	35.1	20.4	11.5	5.9	5.9	5.9
-62.5°	50.5	32.2	19.3	10.8	5.9	5.9	5.9
-65°	45.5	28.8	18.0	10.1	5.9	5.9	5.9
-67.5°	40.1	25.9	16.6	9.4	5.9	5.9	5.9
-70°	34.1	23.5	15.1	8.5	5.9	5.9	5.9
-72.5°	30.1	21.0	13.4	8.3	5.9	5.9	5.9
-75°	26.2	18.2	11.7	8.2	5.9	5.9	5.9
-77.5°	22.1	15.4	11.1	8.1	5.9	5.9	5.9
-80°	17.9	13.9	10.7	8.0	5.9	5.9	5.9
-82.5°	16.2	13.0	10.3	7.9	5.9	5.9	5.9
-85°	14.8	12.2	9.8	7.7	5.9	5.9	5.9
-87.5°	13.3	11.3	9.3	7.6	5.9	5.9	5.9
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9

(END OF REPORT)