

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: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-730-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
 Report Number: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Issue Date: 12/7/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: MCGRAW-EDISON  
 Catalog Number: GFLD-SA5B-730-U-VWR-XX  
 Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N117  
 Light Source: (80) 3000K CCT, 70 CRI LEDS  
 Ballast/Driver: -

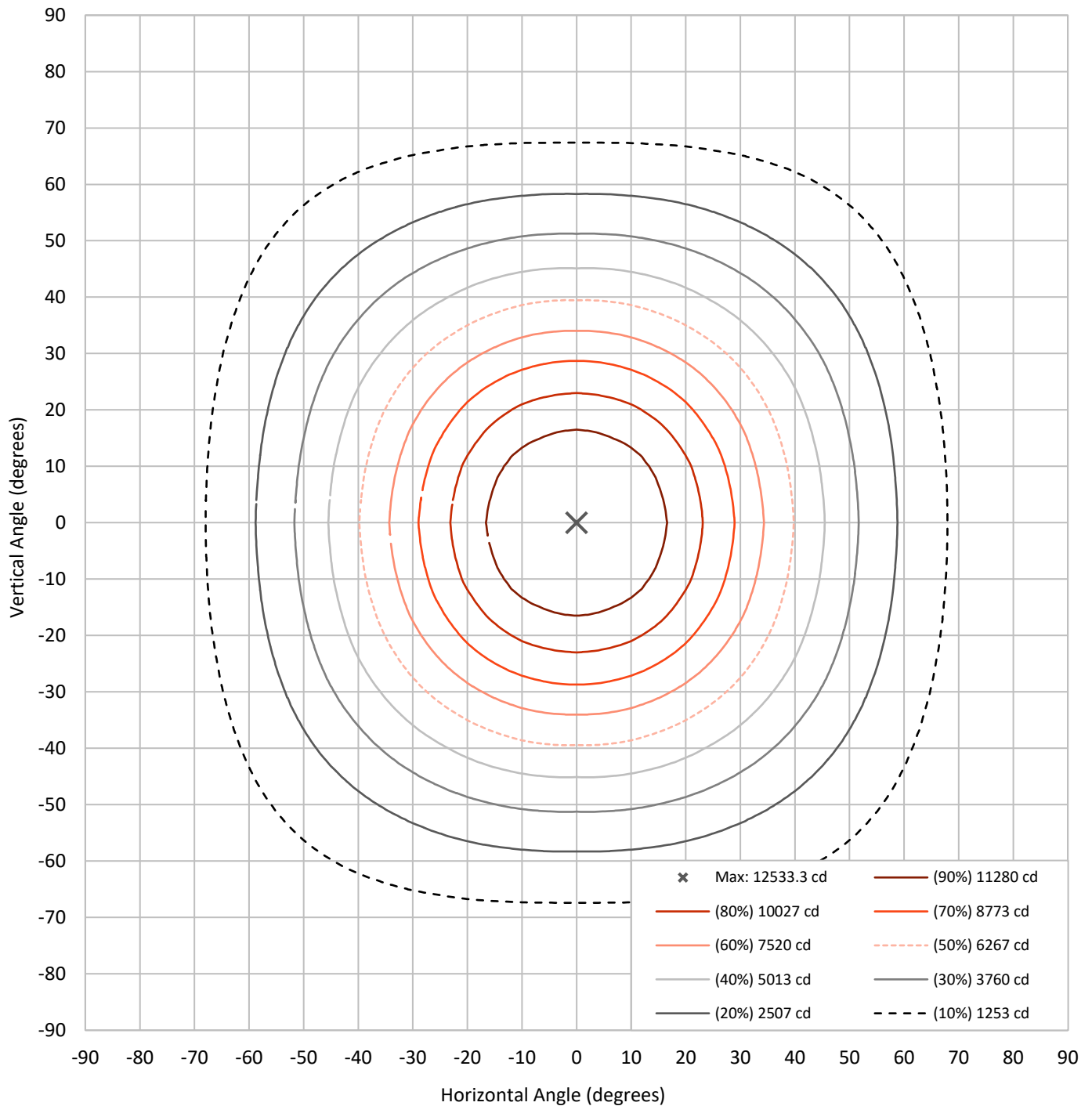
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	22652.9 lumens	Max Intensity:	12533.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	142.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	13286.1 lumens	Field Lumens:	21595.7 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





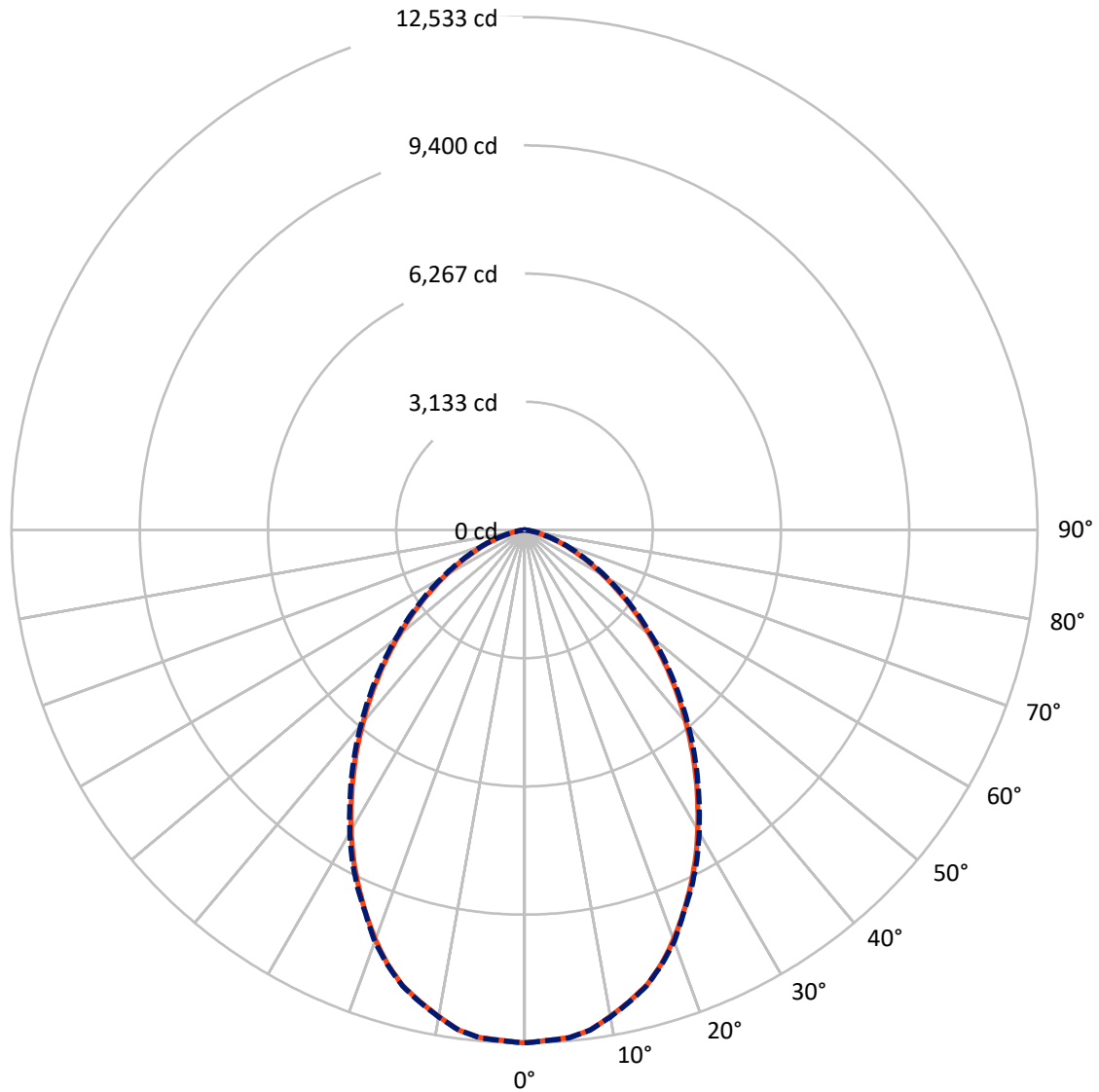
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### Lumen Table

90																			
80	0.8	9.3	25.3	42.9	40.4	42.9	25.3	9.3	0.8										
70																			
60	4.2	5.8	11.7	20.0	29.2	37.7	44.2	47.3	47.3	44.2	37.7	29.2	20.0	11.7	5.8	4.2			
50		8.7	19.0	34.0	51.4	69.9	85.1	93.0	93.0	85.1	69.9	51.4	34.0	19.0	8.7				
40	7.4	11.7	27.5	50.9	80.6	111.7	137.8	152.0	152.0	137.8	111.7	80.6	50.9	27.5	11.7	7.4			
30		14.8	36.5	70.0	112.8	158.1	196.9	218.9	218.9	196.9	158.1	112.8	70.0	36.5	14.8				
20	9.5	17.7	44.9	88.0	143.6	203.8	256.4	286.6	286.6	256.4	203.8	143.6	88.0	44.9	17.7	9.5			
10		20.0	51.4	101.5	167.7	240.9	305.6	342.3	342.3	305.6	240.9	167.7	101.5	51.4	20.0				
0	10.3	21.2	55.0	109.2	181.0	261.5	332.1	370.8	370.8	332.1	261.5	181.0	109.2	55.0	21.2	10.3			
-10		21.2	55.0	109.2	181.0	261.5	332.1	370.8	370.8	332.1	261.5	181.0	109.2	55.0	21.2				
-20	9.5	20.0	51.4	101.5	167.7	240.9	305.6	342.3	342.3	305.6	240.9	167.7	101.5	51.4	20.0	9.5			
-30		17.7	44.9	88.0	143.6	203.8	256.4	286.6	286.6	256.4	203.8	143.6	88.0	44.9	17.7				
-40	7.4	14.8	36.5	70.0	112.8	158.1	196.9	218.9	218.9	196.9	158.1	112.8	70.0	36.5	14.8	7.4			
-50		11.7	27.5	50.9	80.6	111.7	137.8	152.0	152.0	137.8	111.7	80.6	50.9	27.5	11.7				
-60	4.2	8.7	19.0	34.0	51.4	69.9	85.1	93.0	93.0	85.1	69.9	51.4	34.0	19.0	8.7	4.2			
-70		5.8	11.7	20.0	29.2	37.7	44.2	47.3	47.3	44.2	37.7	29.2	20.0	11.7	5.8				
-80	0.8	9.3	25.3	42.9	40.4	42.9	25.3	9.3	0.8										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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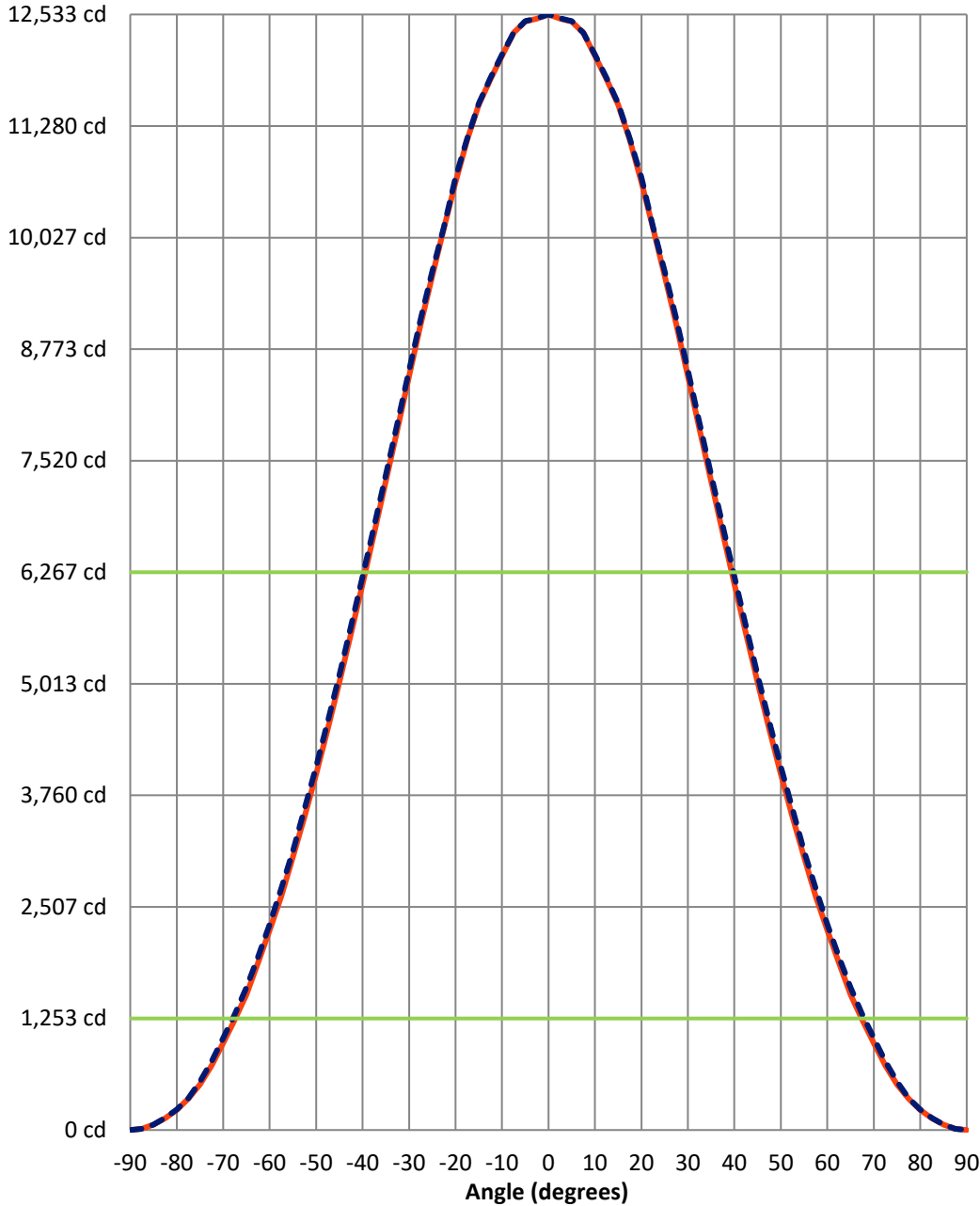
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 13286.1  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 21595.7  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 1057.2  
 Efficiency: 4.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.7	1.6	2.5	3.3	4.1	4.9	5.7	6.4	7.2	7.9
85°	0.0	1.4	3.3	4.9	6.5	8.1	9.7	11.3	12.8	14.4	15.9
82.5°	0.0	2.1	4.9	7.3	9.8	12.2	14.6	16.9	21.2	33.3	44.9
80°	0.0	2.8	6.5	9.8	13.0	16.2	21.9	39.0	55.4	71.2	86.3
77.5°	0.0	3.5	8.1	12.2	16.2	25.4	47.7	69.2	89.4	108.8	132.9
75°	0.0	4.2	9.6	14.6	21.1	43.9	72.9	99.2	124.5	159.3	196.2
72.5°	0.0	4.9	11.2	16.9	33.6	61.9	97.2	131.5	171.2	213.6	258.4
70°	0.0	5.6	12.7	20.3	45.7	79.3	121.6	170.2	217.0	266.8	325.1
67.5°	0.0	6.2	14.1	27.8	57.4	95.9	150.9	208.0	261.7	324.7	391.5
65°	0.0	6.9	15.5	35.0	68.5	114.5	178.9	244.8	310.0	380.8	453.6
62.5°	0.0	7.5	16.9	41.8	79.1	134.9	205.5	283.2	356.7	434.5	509.2
60°	0.0	8.1	18.2	48.3	89.0	154.2	230.5	321.4	401.7	484.7	564.0
57.5°	0.0	8.6	21.8	54.5	102.2	172.4	256.9	356.9	446.0	534.0	615.9
55°	0.0	9.2	25.4	60.2	114.7	189.2	281.9	387.6	489.5	581.6	665.8
52.5°	0.0	9.7	28.8	65.4	126.4	205.2	305.0	419.5	532.1	625.5	714.3
50°	0.0	10.2	32.1	70.3	137.2	222.2	326.2	449.8	572.5	668.1	770.0
47.5°	0.0	10.7	35.2	75.3	147.0	237.7	346.1	478.0	609.1	709.2	824.6
45°	0.0	11.1	38.2	81.8	155.9	251.7	368.2	504.0	637.6	755.9	876.8
42.5°	0.0	11.6	41.0	87.7	163.7	264.2	388.4	527.9	664.9	800.5	938.3
40°	0.0	12.0	43.7	93.7	171.6	275.1	406.8	550.5	693.2	842.3	998.1
37.5°	0.0	12.3	46.2	99.7	179.4	284.4	423.2	572.0	725.0	882.0	1054.3
35°	0.0	12.7	48.5	105.2	186.1	295.1	437.7	592.2	756.0	927.6	1110.9
32.5°	0.0	13.0	50.6	110.4	191.7	305.8	451.2	611.1	786.1	971.5	1170.8
30°	0.0	13.2	52.6	115.1	196.1	315.0	465.1	630.0	815.2	1013.5	1226.8
27.5°	0.0	13.5	54.3	119.3	202.9	322.6	477.7	652.0	845.1	1053.3	1278.8
25°	0.0	13.7	55.9	123.1	209.2	328.6	488.7	672.4	876.2	1093.8	1326.9
22.5°	0.0	13.9	57.3	126.5	214.7	334.7	498.1	691.1	904.9	1132.2	1378.0
20°	0.0	14.0	58.4	129.4	219.5	343.0	505.9	708.0	930.9	1166.4	1424.0
17.5°	0.0	14.1	59.4	131.8	223.5	349.8	515.7	722.8	954.1	1196.5	1464.4
15°	0.0	14.2	60.2	133.8	226.7	355.1	525.8	736.9	974.3	1222.3	1499.3
12.5°	0.0	14.3	60.9	135.3	229.2	358.9	534.1	750.2	992.5	1243.7	1528.5
10°	0.0	14.3	61.3	136.4	230.9	361.2	540.4	760.4	1008.3	1263.8	1553.2
7.5°	0.0	14.3	61.5	137.0	231.9	362.2	544.6	767.5	1020.4	1280.0	1574.4
5°	0.0	14.3	61.6	137.2	232.1	361.8	546.9	771.6	1028.7	1291.8	1589.7
2.5°	0.0	14.2	61.4	136.9	231.5	360.0	547.0	772.6	1033.1	1298.9	1598.8
0°	0.0	14.1	61.1	136.2	230.2	357.0	544.9	770.4	1033.5	1301.3	1601.9
-2.5°	0.0	14.2	61.4	136.9	231.5	360.0	547.0	772.6	1033.1	1298.9	1598.8
-5°	0.0	14.3	61.6	137.2	232.1	361.8	546.9	771.6	1028.7	1291.8	1589.7
-7.5°	0.0	14.3	61.5	137.0	231.9	362.2	544.6	767.5	1020.4	1280.0	1574.4
-10°	0.0	14.3	61.3	136.4	230.9	361.2	540.4	760.4	1008.3	1263.8	1553.2
-12.5°	0.0	14.3	60.9	135.3	229.2	358.9	534.1	750.2	992.5	1243.7	1528.5
-15°	0.0	14.2	60.2	133.8	226.7	355.1	525.8	736.9	974.3	1222.3	1499.3
-17.5°	0.0	14.1	59.4	131.8	223.5	349.8	515.7	722.8	954.1	1196.5	1464.4
-20°	0.0	14.0	58.4	129.4	219.5	343.0	505.9	708.0	930.9	1166.4	1424.0

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Scaled Data Report



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.9	57.3	126.5	214.7	334.7	498.1	691.1	904.9	1132.2	1378.0
-25°	0.0	13.7	55.9	123.1	209.2	328.6	488.7	672.4	876.2	1093.8	1326.9
-27.5°	0.0	13.5	54.3	119.3	202.9	322.6	477.7	652.0	845.1	1053.3	1278.8
-30°	0.0	13.2	52.6	115.1	196.1	315.0	465.1	630.0	815.2	1013.5	1226.8
-32.5°	0.0	13.0	50.6	110.4	191.7	305.8	451.2	611.1	786.1	971.5	1170.8
-35°	0.0	12.7	48.5	105.2	186.1	295.1	437.7	592.2	756.0	927.6	1110.9
-37.5°	0.0	12.3	46.2	99.7	179.4	284.4	423.2	572.0	725.0	882.0	1054.3
-40°	0.0	12.0	43.7	93.7	171.6	275.1	406.8	550.5	693.2	842.3	998.1
-42.5°	0.0	11.6	41.0	87.7	163.7	264.2	388.4	527.9	664.9	800.5	938.3
-45°	0.0	11.1	38.2	81.8	155.9	251.7	368.2	504.0	637.6	755.9	876.8
-47.5°	0.0	10.7	35.2	75.3	147.0	237.7	346.1	478.0	609.1	709.2	824.6
-50°	0.0	10.2	32.1	70.3	137.2	222.2	326.2	449.8	572.5	668.1	770.0
-52.5°	0.0	9.7	28.8	65.4	126.4	205.2	305.0	419.5	532.1	625.5	714.3
-55°	0.0	9.2	25.4	60.2	114.7	189.2	281.9	387.6	489.5	581.6	665.8
-57.5°	0.0	8.6	21.8	54.5	102.2	172.4	256.9	356.9	446.0	534.0	615.9
-60°	0.0	8.1	18.2	48.3	89.0	154.2	230.5	321.4	401.7	484.7	564.0
-62.5°	0.0	7.5	16.9	41.8	79.1	134.9	205.5	283.2	356.7	434.5	509.2
-65°	0.0	6.9	15.5	35.0	68.5	114.5	178.9	244.8	310.0	380.8	453.6
-67.5°	0.0	6.2	14.1	27.8	57.4	95.9	150.9	208.0	261.7	324.7	391.5
-70°	0.0	5.6	12.7	20.3	45.7	79.3	121.6	170.2	217.0	266.8	325.1
-72.5°	0.0	4.9	11.2	16.9	33.6	61.9	97.2	131.5	171.2	213.6	258.4
-75°	0.0	4.2	9.6	14.6	21.1	43.9	72.9	99.2	124.5	159.3	196.2
-77.5°	0.0	3.5	8.1	12.2	16.2	25.4	47.7	69.2	89.4	108.8	132.9
-80°	0.0	2.8	6.5	9.8	13.0	16.2	21.9	39.0	55.4	71.2	86.3
-82.5°	0.0	2.1	4.9	7.3	9.8	12.2	14.6	16.9	21.2	33.3	44.9
-85°	0.0	1.4	3.3	4.9	6.5	8.1	9.7	11.3	12.8	14.4	15.9
-87.5°	0.0	0.7	1.6	2.5	3.3	4.1	4.9	5.7	6.4	7.2	7.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.2	10.6	12.0	13.5	13.6	13.6	13.5	13.3	13.9	14.4	14.9
85°	18.4	21.1	29.3	37.2	41.0	43.4	44.4	44.3	51.5	59.8	68.8
82.5°	57.1	68.9	80.1	90.8	93.6	93.7	92.8	93.1	110.0	129.3	149.2
80°	101.7	116.7	136.5	154.1	161.7	165.7	167.5	167.2	188.6	217.1	247.0
77.5°	161.4	186.6	208.5	227.1	237.2	246.0	253.2	258.7	286.2	322.2	357.9
75°	229.5	257.1	284.5	308.4	325.1	337.5	349.0	367.6	403.6	445.6	482.1
72.5°	301.2	336.5	367.0	393.0	416.4	441.3	469.2	499.7	537.7	579.6	617.9
70°	377.9	416.6	448.6	479.8	511.8	549.1	590.9	632.1	674.4	720.7	765.3
67.5°	452.8	490.2	527.9	567.3	615.1	665.1	714.5	771.3	829.3	880.8	926.8
65°	517.9	561.8	608.9	662.4	721.5	784.9	850.9	919.0	992.7	1054.4	1110.7
62.5°	580.1	632.8	690.1	756.8	832.1	907.3	991.5	1076.7	1159.6	1232.4	1299.6
60°	637.4	701.2	773.7	855.4	943.4	1043.3	1139.2	1236.1	1327.0	1409.4	1494.4
57.5°	693.2	773.5	860.4	958.6	1069.8	1182.0	1294.7	1399.0	1501.9	1602.3	1698.4
55°	752.2	848.9	952.4	1072.8	1198.2	1330.9	1452.3	1568.7	1682.1	1803.9	1919.7
52.5°	817.1	925.2	1054.7	1189.5	1334.3	1476.8	1610.1	1742.7	1879.7	2017.6	2168.3
50°	879.8	1014.6	1156.5	1313.2	1469.7	1622.3	1775.2	1927.8	2092.1	2261.1	2431.9
47.5°	953.0	1100.1	1267.7	1435.8	1606.8	1776.6	1947.0	2131.4	2318.0	2514.1	2703.0
45°	1027.1	1192.4	1373.0	1563.2	1748.1	1936.0	2135.2	2339.2	2557.9	2773.6	3000.9
42.5°	1097.3	1284.2	1483.3	1688.6	1894.3	2104.3	2323.3	2561.6	2800.7	3049.4	3299.2
40°	1175.1	1371.5	1591.1	1817.2	2040.3	2273.1	2523.5	2781.5	3052.0	3325.5	3596.8
37.5°	1249.9	1465.8	1696.6	1939.9	2190.3	2446.2	2718.1	3011.0	3304.3	3598.7	3897.8
35°	1319.9	1555.2	1805.1	2063.5	2329.1	2620.1	2924.1	3236.7	3554.6	3872.9	4194.7
32.5°	1391.9	1639.5	1908.9	2185.4	2478.0	2790.2	3123.1	3461.9	3800.4	4140.3	4492.5
30°	1464.2	1727.8	2009.3	2300.6	2620.7	2960.9	3318.7	3677.5	4035.7	4409.6	4785.0
27.5°	1532.4	1811.7	2108.1	2419.7	2757.5	3118.9	3498.9	3883.3	4269.5	4667.1	5067.4
25°	1595.3	1891.1	2199.7	2534.4	2892.4	3271.0	3666.9	4068.0	4491.5	4916.9	5335.0
22.5°	1656.5	1964.1	2284.6	2640.0	3014.6	3412.3	3824.5	4248.0	4690.5	5147.4	5580.1
20°	1715.4	2033.6	2367.2	2735.7	3124.1	3539.4	3967.7	4411.2	4875.4	5344.6	5810.0
17.5°	1767.8	2095.3	2444.1	2825.2	3228.6	3655.7	4096.7	4554.8	5039.7	5526.1	6019.1
15°	1813.3	2149.1	2510.7	2903.3	3320.9	3761.3	4216.5	4687.6	5185.0	5691.4	6204.0
12.5°	1851.9	2194.6	2566.8	2969.7	3399.3	3851.9	4319.4	4807.1	5317.9	5838.5	6365.9
10°	1883.2	2231.7	2612.2	3023.9	3463.3	3926.9	4404.1	4905.6	5431.7	5963.6	6502.1
7.5°	1909.8	2262.7	2648.2	3065.8	3512.6	3985.5	4470.1	4982.5	5522.4	6061.2	6611.6
5°	1929.2	2287.7	2681.2	3100.8	3555.5	4031.3	4520.1	5037.2	5588.7	6130.7	6690.9
2.5°	1940.9	2303.9	2703.7	3123.6	3589.2	4065.7	4564.5	5085.6	5637.3	6185.8	6750.5
0°	1944.8	2311.2	2715.2	3133.3	3607.8	4082.3	4589.6	5111.1	5660.7	6219.7	6788.1
-2.5°	1940.9	2303.9	2703.7	3123.6	3589.2	4065.7	4564.5	5085.6	5637.3	6185.8	6750.5
-5°	1929.2	2287.7	2681.2	3100.8	3555.5	4031.3	4520.1	5037.2	5588.7	6130.7	6690.9
-7.5°	1909.8	2262.7	2648.2	3065.8	3512.6	3985.5	4470.1	4982.5	5522.4	6061.2	6611.6
-10°	1883.2	2231.7	2612.2	3023.9	3463.3	3926.9	4404.1	4905.6	5431.7	5963.6	6502.1
-12.5°	1851.9	2194.6	2566.8	2969.7	3399.3	3851.9	4319.4	4807.1	5317.9	5838.5	6365.9
-15°	1813.3	2149.1	2510.7	2903.3	3320.9	3761.3	4216.5	4687.6	5185.0	5691.4	6204.0
-17.5°	1767.8	2095.3	2444.1	2825.2	3228.6	3655.7	4096.7	4554.8	5039.7	5526.1	6019.1
-20°	1715.4	2033.6	2367.2	2735.7	3124.1	3539.4	3967.7	4411.2	4875.4	5344.6	5810.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1656.5	1964.1	2284.6	2640.0	3014.6	3412.3	3824.5	4248.0	4690.5	5147.4	5580.1
-25°	1595.3	1891.1	2199.7	2534.4	2892.4	3271.0	3666.9	4068.0	4491.5	4916.9	5335.0
-27.5°	1532.4	1811.7	2108.1	2419.7	2757.5	3118.9	3498.9	3883.3	4269.5	4667.1	5067.4
-30°	1464.2	1727.8	2009.3	2300.6	2620.7	2960.9	3318.7	3677.5	4035.7	4409.6	4785.0
-32.5°	1391.9	1639.5	1908.9	2185.4	2478.0	2790.2	3123.1	3461.9	3800.4	4140.3	4492.5
-35°	1319.9	1555.2	1805.1	2063.5	2329.1	2620.1	2924.1	3236.7	3554.6	3872.9	4194.7
-37.5°	1249.9	1465.8	1696.6	1939.9	2190.3	2446.2	2718.1	3011.0	3304.3	3598.7	3897.8
-40°	1175.1	1371.5	1591.1	1817.2	2040.3	2273.1	2523.5	2781.5	3052.0	3325.5	3596.8
-42.5°	1097.3	1284.2	1483.3	1688.6	1894.3	2104.3	2323.3	2561.6	2800.7	3049.4	3299.2
-45°	1027.1	1192.4	1373.0	1563.2	1748.1	1936.0	2135.2	2339.2	2557.9	2773.6	3000.9
-47.5°	953.0	1100.1	1267.7	1435.8	1606.8	1776.6	1947.0	2131.4	2318.0	2514.1	2703.0
-50°	879.8	1014.6	1156.5	1313.2	1469.7	1622.3	1775.2	1927.8	2092.1	2261.1	2431.9
-52.5°	817.1	925.2	1054.7	1189.5	1334.3	1476.8	1610.1	1742.7	1879.7	2017.6	2168.3
-55°	752.2	848.9	952.4	1072.8	1198.2	1330.9	1452.3	1568.7	1682.1	1803.9	1919.7
-57.5°	693.2	773.5	860.4	958.6	1069.8	1182.0	1294.7	1399.0	1501.9	1602.3	1698.4
-60°	637.4	701.2	773.7	855.4	943.4	1043.3	1139.2	1236.1	1327.0	1409.4	1494.4
-62.5°	580.1	632.8	690.1	756.8	832.1	907.3	991.5	1076.7	1159.6	1232.4	1299.6
-65°	517.9	561.8	608.9	662.4	721.5	784.9	850.9	919.0	992.7	1054.4	1110.7
-67.5°	452.8	490.2	527.9	567.3	615.1	665.1	714.5	771.3	829.3	880.8	926.8
-70°	377.9	416.6	448.6	479.8	511.8	549.1	590.9	632.1	674.4	720.7	765.3
-72.5°	301.2	336.5	367.0	393.0	416.4	441.3	469.2	499.7	537.7	579.6	617.9
-75°	229.5	257.1	284.5	308.4	325.1	337.5	349.0	367.6	403.6	445.6	482.1
-77.5°	161.4	186.6	208.5	227.1	237.2	246.0	253.2	258.7	286.2	322.2	357.9
-80°	101.7	116.7	136.5	154.1	161.7	165.7	167.5	167.2	188.6	217.1	247.0
-82.5°	57.1	68.9	80.1	90.8	93.6	93.7	92.8	93.1	110.0	129.3	149.2
-85°	18.4	21.1	29.3	37.2	41.0	43.4	44.4	44.3	51.5	59.8	68.8
-87.5°	9.2	10.6	12.0	13.5	13.6	13.6	13.5	13.3	13.9	14.4	14.9
-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: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.4	15.9	16.3	16.7	17.0	17.4	17.7	17.9	18.2	17.2	16.2
85°	78.5	84.0	89.2	94.1	98.9	103.3	107.5	111.4	115.0	105.1	94.1
82.5°	169.4	183.0	196.0	208.9	221.6	224.9	225.8	225.4	223.6	206.1	186.7
80°	276.6	299.7	321.4	342.9	364.2	366.5	364.1	359.7	353.5	330.5	304.5
77.5°	393.6	422.6	448.0	471.2	492.4	496.3	495.8	494.7	492.9	469.5	441.1
75°	513.5	541.8	569.2	592.4	611.9	620.8	625.2	628.2	629.9	613.1	591.0
72.5°	652.4	682.0	706.1	728.7	747.9	761.7	771.6	779.1	784.2	779.1	770.1
70°	803.3	835.0	861.7	887.2	913.1	933.9	949.5	960.9	968.1	972.8	976.2
67.5°	973.2	1015.7	1052.8	1084.4	1115.8	1145.1	1169.3	1189.0	1204.3	1217.2	1227.1
65°	1164.6	1218.9	1267.0	1311.2	1351.7	1394.4	1429.4	1458.7	1482.3	1501.8	1517.5
62.5°	1365.8	1432.3	1494.1	1554.1	1612.9	1670.8	1715.2	1755.6	1791.6	1822.5	1847.2
60°	1574.9	1650.5	1733.5	1812.6	1885.5	1952.1	2018.2	2075.4	2124.5	2165.1	2197.9
57.5°	1799.6	1897.5	1994.5	2092.8	2185.7	2272.7	2354.1	2425.9	2486.6	2536.4	2578.2
55°	2042.3	2164.8	2277.3	2401.3	2521.2	2630.3	2726.4	2810.9	2883.9	2945.1	2997.0
52.5°	2309.2	2458.0	2604.2	2745.3	2881.4	3008.0	3123.1	3221.4	3308.9	3383.9	3443.7
50°	2601.3	2771.6	2940.9	3097.9	3254.3	3400.2	3532.1	3646.2	3748.0	3836.1	3905.5
47.5°	2906.8	3100.6	3289.7	3469.5	3642.5	3804.7	3947.5	4077.6	4204.4	4307.9	4389.8
45°	3223.9	3441.4	3650.0	3855.6	4046.1	4227.8	4404.0	4565.9	4696.2	4810.2	4906.0
42.5°	3545.0	3787.6	4021.2	4245.4	4454.9	4665.1	4863.3	5040.3	5188.9	5318.5	5427.3
40°	3870.2	4135.8	4393.2	4637.6	4877.1	5106.3	5320.7	5507.4	5674.9	5828.8	5957.1
37.5°	4193.8	4485.9	4771.1	5045.0	5308.7	5557.0	5788.5	5999.5	6188.5	6363.9	6506.4
35°	4518.8	4839.3	5151.5	5452.8	5741.0	6014.9	6268.4	6508.5	6731.3	6908.9	7054.6
32.5°	4842.5	5187.1	5526.9	5858.6	6173.9	6469.3	6744.0	7009.3	7238.4	7433.7	7601.3
30°	5155.8	5529.1	5899.1	6258.8	6599.4	6919.4	7223.6	7504.2	7750.6	7964.2	8152.1
27.5°	5463.2	5864.3	6261.2	6645.5	7013.8	7361.5	7693.5	7997.7	8266.7	8498.8	8697.0
25°	5753.8	6184.9	6607.9	7015.4	7408.8	7792.4	8150.8	8482.8	8770.1	9024.9	9228.5
22.5°	6031.4	6491.1	6935.6	7364.2	7785.1	8198.5	8590.9	8937.7	9242.1	9508.5	9733.8
20°	6290.0	6782.6	7237.4	7690.7	8134.0	8575.5	8996.9	9362.6	9684.7	9968.3	10216.7
17.5°	6531.7	7037.0	7515.9	7998.5	8465.8	8928.9	9357.0	9749.0	10096.5	10397.6	10657.8
15°	6736.4	7246.7	7769.7	8284.9	8777.7	9246.7	9674.3	10083.7	10469.7	10795.4	11059.1
12.5°	6902.1	7432.8	7978.4	8525.4	9046.5	9514.9	9962.5	10377.9	10783.3	11149.0	11391.6
10°	7043.3	7589.8	8153.1	8711.0	9239.0	9734.5	10221.3	10660.5	11058.7	11386.3	11657.1
7.5°	7165.4	7728.4	8300.5	8859.2	9385.4	9897.5	10398.6	10865.0	11267.1	11575.8	11817.3
5°	7255.5	7831.8	8415.0	8978.9	9512.4	10026.1	10529.5	10990.1	11382.6	11696.6	11960.0
2.5°	7319.9	7901.6	8489.0	9053.7	9599.1	10114.0	10630.0	11095.8	11475.9	11763.5	12015.8
0°	<b>7361.2</b>	<b>7943.7</b>	<b>8535.6</b>	<b>9113.5</b>	<b>9649.0</b>	<b>10146.9</b>	<b>10701.3</b>	<b>11138.1</b>	<b>11532.7</b>	<b>11819.3</b>	<b>12082.4</b>
-2.5°	7319.9	7901.6	8489.0	9053.7	9599.1	10114.0	10630.0	11095.8	11475.9	11763.5	12015.8
-5°	7255.5	7831.8	8415.0	8978.9	9512.4	10026.1	10529.5	10990.1	11382.6	11696.6	11960.0
-7.5°	7165.4	7728.4	8300.5	8859.2	9385.4	9897.5	10398.6	10865.0	11267.1	11575.8	11817.3
-10°	7043.3	7589.8	8153.1	8711.0	9239.0	9734.5	10221.3	10660.5	11058.7	11386.3	11657.1
-12.5°	6902.1	7432.8	7978.4	8525.4	9046.5	9514.9	9962.5	10377.9	10783.3	11149.0	11391.6
-15°	6736.4	7246.7	7769.7	8284.9	8777.7	9246.7	9674.3	10083.7	10469.7	10795.4	11059.1
-17.5°	6531.7	7037.0	7515.9	7998.5	8465.8	8928.9	9357.0	9749.0	10096.5	10397.6	10657.8
-20°	6290.0	6782.6	7237.4	7690.7	8134.0	8575.5	8996.9	9362.6	9684.7	9968.3	10216.7



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6031.4	6491.1	6935.6	7364.2	7785.1	8198.5	8590.9	8937.7	9242.1	9508.5	9733.8
-25°	5753.8	6184.9	6607.9	7015.4	7408.8	7792.4	8150.8	8482.8	8770.1	9024.9	9228.5
-27.5°	5463.2	5864.3	6261.2	6645.5	7013.8	7361.5	7693.5	7997.7	8266.7	8498.8	8697.0
-30°	5155.8	5529.1	5899.1	6258.8	6599.4	6919.4	7223.6	7504.2	7750.6	7964.2	8152.1
-32.5°	4842.5	5187.1	5526.9	5858.6	6173.9	6469.3	6744.0	7009.3	7238.4	7433.7	7601.3
-35°	4518.8	4839.3	5151.5	5452.8	5741.0	6014.9	6268.4	6508.5	6731.3	6908.9	7054.6
-37.5°	4193.8	4485.9	4771.1	5045.0	5308.7	5557.0	5788.5	5999.5	6188.5	6363.9	6506.4
-40°	3870.2	4135.8	4393.2	4637.6	4877.1	5106.3	5320.7	5507.4	5674.9	5828.8	5957.1
-42.5°	3545.0	3787.6	4021.2	4245.4	4454.9	4665.1	4863.3	5040.3	5188.9	5318.5	5427.3
-45°	3223.9	3441.4	3650.0	3855.6	4046.1	4227.8	4404.0	4565.9	4696.2	4810.2	4906.0
-47.5°	2906.8	3100.6	3289.7	3469.5	3642.5	3804.7	3947.5	4077.6	4204.4	4307.9	4389.8
-50°	2601.3	2771.6	2940.9	3097.9	3254.3	3400.2	3532.1	3646.2	3748.0	3836.1	3905.5
-52.5°	2309.2	2458.0	2604.2	2745.3	2881.4	3008.0	3123.1	3221.4	3308.9	3383.9	3443.7
-55°	2042.3	2164.8	2277.3	2401.3	2521.2	2630.3	2726.4	2810.9	2883.9	2945.1	2997.0
-57.5°	1799.6	1897.5	1994.5	2092.8	2185.7	2272.7	2354.1	2425.9	2486.6	2536.4	2578.2
-60°	1574.9	1650.5	1733.5	1812.6	1885.5	1952.1	2018.2	2075.4	2124.5	2165.1	2197.9
-62.5°	1365.8	1432.3	1494.1	1554.1	1612.9	1670.8	1715.2	1755.6	1791.6	1822.5	1847.2
-65°	1164.6	1218.9	1267.0	1311.2	1351.7	1394.4	1429.4	1458.7	1482.3	1501.8	1517.5
-67.5°	973.2	1015.7	1052.8	1084.4	1115.8	1145.1	1169.3	1189.0	1204.3	1217.2	1227.1
-70°	803.3	835.0	861.7	887.2	913.1	933.9	949.5	960.9	968.1	972.8	976.2
-72.5°	652.4	682.0	706.1	728.7	747.9	761.7	771.6	779.1	784.2	779.1	770.1
-75°	513.5	541.8	569.2	592.4	611.9	620.8	625.2	628.2	629.9	613.1	591.0
-77.5°	393.6	422.6	448.0	471.2	492.4	496.3	495.8	494.7	492.9	469.5	441.1
-80°	276.6	299.7	321.4	342.9	364.2	366.5	364.1	359.7	353.5	330.5	304.5
-82.5°	169.4	183.0	196.0	208.9	221.6	224.9	225.8	225.4	223.6	206.1	186.7
-85°	78.5	84.0	89.2	94.1	98.9	103.3	107.5	111.4	115.0	105.1	94.1
-87.5°	15.4	15.9	16.3	16.7	17.0	17.4	17.7	17.9	18.2	17.2	16.2
-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: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.1	14.0	14.1	14.1	14.1	14.0	15.1	16.2	17.2	18.2	17.9
85°	82.4	70.2	65.7	61.1	65.7	70.2	82.4	94.1	105.1	115.0	111.4
82.5°	166.3	145.1	138.4	131.5	138.4	145.1	166.3	186.7	206.1	223.6	225.4
80°	277.1	248.3	237.1	225.5	237.1	248.3	277.1	304.5	330.5	353.5	359.7
77.5°	411.1	379.6	366.1	352.3	366.1	379.6	411.1	441.1	469.5	492.9	494.7
75°	567.8	543.0	528.1	512.0	528.1	543.0	567.8	591.0	613.1	629.9	628.2
72.5°	759.7	747.6	736.7	723.4	736.7	747.6	759.7	770.1	779.1	784.2	779.1
70°	977.3	975.7	977.7	977.1	977.7	975.7	977.3	976.2	972.8	968.1	960.9
67.5°	1232.3	1232.6	1237.8	1240.2	1237.8	1232.6	1232.3	1227.1	1217.2	1204.3	1189.0
65°	1527.2	1530.8	1529.4	1522.0	1529.4	1530.8	1527.2	1517.5	1501.8	1482.3	1458.7
62.5°	1864.7	1874.8	1880.4	1879.1	1880.4	1874.8	1864.7	1847.2	1822.5	1791.6	1755.6
60°	2222.4	2238.3	2246.3	2245.5	2246.3	2238.3	2222.4	2197.9	2165.1	2124.5	2075.4
57.5°	2609.4	2629.8	2634.5	2626.0	2634.5	2629.8	2609.4	2578.2	2536.4	2486.6	2425.9
55°	3036.2	3062.3	3072.4	3067.6	3072.4	3062.3	3036.2	2997.0	2945.1	2883.9	2810.9
52.5°	3487.5	3515.7	3525.7	3518.5	3525.7	3515.7	3487.5	3443.7	3383.9	3308.9	3221.4
50°	3956.4	3990.5	4004.3	3997.7	4004.3	3990.5	3956.4	3905.5	3836.1	3748.0	3646.2
47.5°	4453.9	4499.4	4517.1	4505.1	4517.1	4499.4	4453.9	4389.8	4307.9	4204.4	4077.6
45°	4977.6	5024.7	5043.0	5031.2	5043.0	5024.7	4977.6	4906.0	4810.2	4696.2	4565.9
42.5°	5510.5	5571.8	5597.6	5576.1	5597.6	5571.8	5510.5	5427.3	5318.5	5188.9	5040.3
40°	6052.9	6119.3	6150.0	6135.1	6150.0	6119.3	6052.9	5957.1	5828.8	5674.9	5507.4
37.5°	6609.2	6675.3	6707.8	6708.3	6707.8	6675.3	6609.2	6506.4	6363.9	6188.5	5999.5
35°	7167.5	7247.6	7293.0	7290.8	7293.0	7247.6	7167.5	7054.6	6908.9	6731.3	6508.5
32.5°	7733.8	7820.5	7866.8	7873.3	7866.8	7820.5	7733.8	7601.3	7433.7	7238.4	7009.3
30°	8299.0	8394.3	8447.9	8469.9	8447.9	8394.3	8299.0	8152.1	7964.2	7750.6	7504.2
27.5°	8847.1	8964.4	9045.4	9052.4	9045.4	8964.4	8847.1	8697.0	8498.8	8266.7	7997.7
25°	9378.0	9497.4	9580.4	9597.3	9580.4	9497.4	9378.0	9228.5	9024.9	8770.1	8482.8
22.5°	9901.2	10026.0	10102.6	10132.8	10102.6	10026.0	9901.2	9733.8	9508.5	9242.1	8937.7
20°	10400.7	10536.0	10617.2	10649.6	10617.2	10536.0	10400.7	10216.7	9968.3	9684.7	9362.6
17.5°	10852.5	10995.5	11095.8	11124.1	11095.8	10995.5	10852.5	10657.8	10397.6	10096.5	9749.0
15°	11250.2	11385.8	11481.1	11518.7	11481.1	11385.8	11250.2	11059.1	10795.4	10469.7	10083.7
12.5°	11573.9	11695.2	11769.8	11805.2	11769.8	11695.2	11573.9	11391.6	11149.0	10783.3	10377.9
10°	11826.8	11948.4	12019.7	12068.3	12019.7	11948.4	11826.8	11657.1	11386.3	11058.7	10660.5
7.5°	12046.3	12170.9	12258.1	12326.7	12258.1	12170.9	12046.3	11817.3	11575.8	11267.1	10865.0
5°	12167.4	12375.5	12406.9	12453.5	12406.9	12375.5	12167.4	11960.0	11696.6	11382.6	10990.1
2.5°	12259.8	12407.4	12496.2	12486.4	12496.2	12407.4	12259.8	12015.8	11763.5	11475.9	11095.8
0°	12326.7	12458.2	12491.1	12533.3	12491.1	12458.2	12326.7	12082.4	11819.3	11532.7	11138.1
-2.5°	12259.8	12407.4	12496.2	12486.4	12496.2	12407.4	12259.8	12015.8	11763.5	11475.9	11095.8
-5°	12167.4	12375.5	12406.9	12453.5	12406.9	12375.5	12167.4	11960.0	11696.6	11382.6	10990.1
-7.5°	12046.3	12170.9	12258.1	12326.7	12258.1	12170.9	12046.3	11817.3	11575.8	11267.1	10865.0
-10°	11826.8	11948.4	12019.7	12068.3	12019.7	11948.4	11826.8	11657.1	11386.3	11058.7	10660.5
-12.5°	11573.9	11695.2	11769.8	11805.2	11769.8	11695.2	11573.9	11391.6	11149.0	10783.3	10377.9
-15°	11250.2	11385.8	11481.1	11518.7	11481.1	11385.8	11250.2	11059.1	10795.4	10469.7	10083.7
-17.5°	10852.5	10995.5	11095.8	11124.1	11095.8	10995.5	10852.5	10657.8	10397.6	10096.5	9749.0
-20°	10400.7	10536.0	10617.2	10649.6	10617.2	10536.0	10400.7	10216.7	9968.3	9684.7	9362.6



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9901.2	10026.0	10102.6	10132.8	10102.6	10026.0	9901.2	9733.8	9508.5	9242.1	8937.7
-25°	9378.0	9497.4	9580.4	9597.3	9580.4	9497.4	9378.0	9228.5	9024.9	8770.1	8482.8
-27.5°	8847.1	8964.4	9045.4	9052.4	9045.4	8964.4	8847.1	8697.0	8498.8	8266.7	7997.7
-30°	8299.0	8394.3	8447.9	8469.9	8447.9	8394.3	8299.0	8152.1	7964.2	7750.6	7504.2
-32.5°	7733.8	7820.5	7866.8	7873.3	7866.8	7820.5	7733.8	7601.3	7433.7	7238.4	7009.3
-35°	7167.5	7247.6	7293.0	7290.8	7293.0	7247.6	7167.5	7054.6	6908.9	6731.3	6508.5
-37.5°	6609.2	6675.3	6707.8	6708.3	6707.8	6675.3	6609.2	6506.4	6363.9	6188.5	5999.5
-40°	6052.9	6119.3	6150.0	6135.1	6150.0	6119.3	6052.9	5957.1	5828.8	5674.9	5507.4
-42.5°	5510.5	5571.8	5597.6	5576.1	5597.6	5571.8	5510.5	5427.3	5318.5	5188.9	5040.3
-45°	4977.6	5024.7	5043.0	5031.2	5043.0	5024.7	4977.6	4906.0	4810.2	4696.2	4565.9
-47.5°	4453.9	4499.4	4517.1	4505.1	4517.1	4499.4	4453.9	4389.8	4307.9	4204.4	4077.6
-50°	3956.4	3990.5	4004.3	3997.7	4004.3	3990.5	3956.4	3905.5	3836.1	3748.0	3646.2
-52.5°	3487.5	3515.7	3525.7	3518.5	3525.7	3515.7	3487.5	3443.7	3383.9	3308.9	3221.4
-55°	3036.2	3062.3	3072.4	3067.6	3072.4	3062.3	3036.2	2997.0	2945.1	2883.9	2810.9
-57.5°	2609.4	2629.8	2634.5	2626.0	2634.5	2629.8	2609.4	2578.2	2536.4	2486.6	2425.9
-60°	2222.4	2238.3	2246.3	2245.5	2246.3	2238.3	2222.4	2197.9	2165.1	2124.5	2075.4
-62.5°	1864.7	1874.8	1880.4	1879.1	1880.4	1874.8	1864.7	1847.2	1822.5	1791.6	1755.6
-65°	1527.2	1530.8	1529.4	1522.0	1529.4	1530.8	1527.2	1517.5	1501.8	1482.3	1458.7
-67.5°	1232.3	1232.6	1237.8	1240.2	1237.8	1232.6	1232.3	1227.1	1217.2	1204.3	1189.0
-70°	977.3	975.7	977.7	977.1	977.7	975.7	977.3	976.2	972.8	968.1	960.9
-72.5°	759.7	747.6	736.7	723.4	736.7	747.6	759.7	770.1	779.1	784.2	779.1
-75°	567.8	543.0	528.1	512.0	528.1	543.0	567.8	591.0	613.1	629.9	628.2
-77.5°	411.1	379.6	366.1	352.3	366.1	379.6	411.1	441.1	469.5	492.9	494.7
-80°	277.1	248.3	237.1	225.5	237.1	248.3	277.1	304.5	330.5	353.5	359.7
-82.5°	166.3	145.1	138.4	131.5	138.4	145.1	166.3	186.7	206.1	223.6	225.4
-85°	82.4	70.2	65.7	61.1	65.7	70.2	82.4	94.1	105.1	115.0	111.4
-87.5°	15.1	14.0	14.1	14.1	14.1	14.0	15.1	16.2	17.2	18.2	17.9
-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: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.7	17.4	17.0	16.7	16.3	15.9	15.4	14.9	14.4	13.9	13.3
85°	107.5	103.3	98.9	94.1	89.2	84.0	78.5	68.8	59.8	51.5	44.3
82.5°	225.8	224.9	221.6	208.9	196.0	183.0	169.4	149.2	129.3	110.0	93.1
80°	364.1	366.5	364.2	342.9	321.4	299.7	276.6	247.0	217.1	188.6	167.2
77.5°	495.8	496.3	492.4	471.2	448.0	422.6	393.6	357.9	322.2	286.2	258.7
75°	625.2	620.8	611.9	592.4	569.2	541.8	513.5	482.1	445.6	403.6	367.6
72.5°	771.6	761.7	747.9	728.7	706.1	682.0	652.4	617.9	579.6	537.7	499.7
70°	949.5	933.9	913.1	887.2	861.7	835.0	803.3	765.3	720.7	674.4	632.1
67.5°	1169.3	1145.1	1115.8	1084.4	1052.8	1015.7	973.2	926.8	880.8	829.3	771.3
65°	1429.4	1394.4	1351.7	1311.2	1267.0	1218.9	1164.6	1110.7	1054.4	992.7	919.0
62.5°	1715.2	1670.8	1612.9	1554.1	1494.1	1432.3	1365.8	1299.6	1232.4	1159.6	1076.7
60°	2018.2	1952.1	1885.5	1812.6	1733.5	1650.5	1574.9	1494.4	1409.4	1327.0	1236.1
57.5°	2354.1	2272.7	2185.7	2092.8	1994.5	1897.5	1799.6	1698.4	1602.3	1501.9	1399.0
55°	2726.4	2630.3	2521.2	2401.3	2277.3	2164.8	2042.3	1919.7	1803.9	1682.1	1568.7
52.5°	3123.1	3008.0	2881.4	2745.3	2604.2	2458.0	2309.2	2168.3	2017.6	1879.7	1742.7
50°	3532.1	3400.2	3254.3	3097.9	2940.9	2771.6	2601.3	2431.9	2261.1	2092.1	1927.8
47.5°	3947.5	3804.7	3642.5	3469.5	3289.7	3100.6	2906.8	2703.0	2514.1	2318.0	2131.4
45°	4404.0	4227.8	4046.1	3855.6	3650.0	3441.4	3223.9	3000.9	2773.6	2557.9	2339.2
42.5°	4863.3	4665.1	4454.9	4245.4	4021.2	3787.6	3545.0	3299.2	3049.4	2800.7	2561.6
40°	5320.7	5106.3	4877.1	4637.6	4393.2	4135.8	3870.2	3596.8	3325.5	3052.0	2781.5
37.5°	5788.5	5557.0	5308.7	5045.0	4771.1	4485.9	4193.8	3897.8	3598.7	3304.3	3011.0
35°	6268.4	6014.9	5741.0	5452.8	5151.5	4839.3	4518.8	4194.7	3872.9	3554.6	3236.7
32.5°	6744.0	6469.3	6173.9	5858.6	5526.9	5187.1	4842.5	4492.5	4140.3	3800.4	3461.9
30°	7223.6	6919.4	6599.4	6258.8	5899.1	5529.1	5155.8	4785.0	4409.6	4035.7	3677.5
27.5°	7693.5	7361.5	7013.8	6645.5	6261.2	5864.3	5463.2	5067.4	4667.1	4269.5	3883.3
25°	8150.8	7792.4	7408.8	7015.4	6607.9	6184.9	5753.8	5335.0	4916.9	4491.5	4068.0
22.5°	8590.9	8198.5	7785.1	7364.2	6935.6	6491.1	6031.4	5580.1	5147.4	4690.5	4248.0
20°	8996.9	8575.5	8134.0	7690.7	7237.4	6782.6	6290.0	5810.0	5344.6	4875.4	4411.2
17.5°	9357.0	8928.9	8465.8	7998.5	7515.9	7037.0	6531.7	6019.1	5526.1	5039.7	4554.8
15°	9674.3	9246.7	8777.7	8284.9	7769.7	7246.7	6736.4	6204.0	5691.4	5185.0	4687.6
12.5°	9962.5	9514.9	9046.5	8525.4	7978.4	7432.8	6902.1	6365.9	5838.5	5317.9	4807.1
10°	10221.3	9734.5	9239.0	8711.0	8153.1	7589.8	7043.3	6502.1	5963.6	5431.7	4905.6
7.5°	10398.6	9897.5	9385.4	8859.2	8300.5	7728.4	7165.4	6611.6	6061.2	5522.4	4982.5
5°	10529.5	10026.1	9512.4	8978.9	8415.0	7831.8	7255.5	6690.9	6130.7	5588.7	5037.2
2.5°	10630.0	10114.0	9599.1	9053.7	8489.0	7901.6	7319.9	6750.5	6185.8	5637.3	5085.6
0°	10701.3	10146.9	9649.0	9113.5	8535.6	7943.7	7361.2	6788.1	6219.7	5660.7	5111.1
-2.5°	10630.0	10114.0	9599.1	9053.7	8489.0	7901.6	7319.9	6750.5	6185.8	5637.3	5085.6
-5°	10529.5	10026.1	9512.4	8978.9	8415.0	7831.8	7255.5	6690.9	6130.7	5588.7	5037.2
-7.5°	10398.6	9897.5	9385.4	8859.2	8300.5	7728.4	7165.4	6611.6	6061.2	5522.4	4982.5
-10°	10221.3	9734.5	9239.0	8711.0	8153.1	7589.8	7043.3	6502.1	5963.6	5431.7	4905.6
-12.5°	9962.5	9514.9	9046.5	8525.4	7978.4	7432.8	6902.1	6365.9	5838.5	5317.9	4807.1
-15°	9674.3	9246.7	8777.7	8284.9	7769.7	7246.7	6736.4	6204.0	5691.4	5185.0	4687.6
-17.5°	9357.0	8928.9	8465.8	7998.5	7515.9	7037.0	6531.7	6019.1	5526.1	5039.7	4554.8
-20°	8996.9	8575.5	8134.0	7690.7	7237.4	6782.6	6290.0	5810.0	5344.6	4875.4	4411.2



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8590.9	8198.5	7785.1	7364.2	6935.6	6491.1	6031.4	5580.1	5147.4	4690.5	4248.0
-25°	8150.8	7792.4	7408.8	7015.4	6607.9	6184.9	5753.8	5335.0	4916.9	4491.5	4068.0
-27.5°	7693.5	7361.5	7013.8	6645.5	6261.2	5864.3	5463.2	5067.4	4667.1	4269.5	3883.3
-30°	7223.6	6919.4	6599.4	6258.8	5899.1	5529.1	5155.8	4785.0	4409.6	4035.7	3677.5
-32.5°	6744.0	6469.3	6173.9	5858.6	5526.9	5187.1	4842.5	4492.5	4140.3	3800.4	3461.9
-35°	6268.4	6014.9	5741.0	5452.8	5151.5	4839.3	4518.8	4194.7	3872.9	3554.6	3236.7
-37.5°	5788.5	5557.0	5308.7	5045.0	4771.1	4485.9	4193.8	3897.8	3598.7	3304.3	3011.0
-40°	5320.7	5106.3	4877.1	4637.6	4393.2	4135.8	3870.2	3596.8	3325.5	3052.0	2781.5
-42.5°	4863.3	4665.1	4454.9	4245.4	4021.2	3787.6	3545.0	3299.2	3049.4	2800.7	2561.6
-45°	4404.0	4227.8	4046.1	3855.6	3650.0	3441.4	3223.9	3000.9	2773.6	2557.9	2339.2
-47.5°	3947.5	3804.7	3642.5	3469.5	3289.7	3100.6	2906.8	2703.0	2514.1	2318.0	2131.4
-50°	3532.1	3400.2	3254.3	3097.9	2940.9	2771.6	2601.3	2431.9	2261.1	2092.1	1927.8
-52.5°	3123.1	3008.0	2881.4	2745.3	2604.2	2458.0	2309.2	2168.3	2017.6	1879.7	1742.7
-55°	2726.4	2630.3	2521.2	2401.3	2277.3	2164.8	2042.3	1919.7	1803.9	1682.1	1568.7
-57.5°	2354.1	2272.7	2185.7	2092.8	1994.5	1897.5	1799.6	1698.4	1602.3	1501.9	1399.0
-60°	2018.2	1952.1	1885.5	1812.6	1733.5	1650.5	1574.9	1494.4	1409.4	1327.0	1236.1
-62.5°	1715.2	1670.8	1612.9	1554.1	1494.1	1432.3	1365.8	1299.6	1232.4	1159.6	1076.7
-65°	1429.4	1394.4	1351.7	1311.2	1267.0	1218.9	1164.6	1110.7	1054.4	992.7	919.0
-67.5°	1169.3	1145.1	1115.8	1084.4	1052.8	1015.7	973.2	926.8	880.8	829.3	771.3
-70°	949.5	933.9	913.1	887.2	861.7	835.0	803.3	765.3	720.7	674.4	632.1
-72.5°	771.6	761.7	747.9	728.7	706.1	682.0	652.4	617.9	579.6	537.7	499.7
-75°	625.2	620.8	611.9	592.4	569.2	541.8	513.5	482.1	445.6	403.6	367.6
-77.5°	495.8	496.3	492.4	471.2	448.0	422.6	393.6	357.9	322.2	286.2	258.7
-80°	364.1	366.5	364.2	342.9	321.4	299.7	276.6	247.0	217.1	188.6	167.2
-82.5°	225.8	224.9	221.6	208.9	196.0	183.0	169.4	149.2	129.3	110.0	93.1
-85°	107.5	103.3	98.9	94.1	89.2	84.0	78.5	68.8	59.8	51.5	44.3
-87.5°	17.7	17.4	17.0	16.7	16.3	15.9	15.4	14.9	14.4	13.9	13.3
-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: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.5	13.6	13.6	13.5	12.0	10.6	9.2	7.9	7.2	6.4	5.7
85°	44.4	43.4	41.0	37.2	29.3	21.1	18.4	15.9	14.4	12.8	11.3
82.5°	92.8	93.7	93.6	90.8	80.1	68.9	57.1	44.9	33.3	21.2	16.9
80°	167.5	165.7	161.7	154.1	136.5	116.7	101.7	86.3	71.2	55.4	39.0
77.5°	253.2	246.0	237.2	227.1	208.5	186.6	161.4	132.9	108.8	89.4	69.2
75°	349.0	337.5	325.1	308.4	284.5	257.1	229.5	196.2	159.3	124.5	99.2
72.5°	469.2	441.3	416.4	393.0	367.0	336.5	301.2	258.4	213.6	171.2	131.5
70°	590.9	549.1	511.8	479.8	448.6	416.6	377.9	325.1	266.8	217.0	170.2
67.5°	714.5	665.1	615.1	567.3	527.9	490.2	452.8	391.5	324.7	261.7	208.0
65°	850.9	784.9	721.5	662.4	608.9	561.8	517.9	453.6	380.8	310.0	244.8
62.5°	991.5	907.3	832.1	756.8	690.1	632.8	580.1	509.2	434.5	356.7	283.2
60°	1139.2	1043.3	943.4	855.4	773.7	701.2	637.4	564.0	484.7	401.7	321.4
57.5°	1294.7	1182.0	1069.8	958.6	860.4	773.5	693.2	615.9	534.0	446.0	356.9
55°	1452.3	1330.9	1198.2	1072.8	952.4	848.9	752.2	665.8	581.6	489.5	387.6
52.5°	1610.1	1476.8	1334.3	1189.5	1054.7	925.2	817.1	714.3	625.5	532.1	419.5
50°	1775.2	1622.3	1469.7	1313.2	1156.5	1014.6	879.8	770.0	668.1	572.5	449.8
47.5°	1947.0	1776.6	1606.8	1435.8	1267.7	1100.1	953.0	824.6	709.2	609.1	478.0
45°	2135.2	1936.0	1748.1	1563.2	1373.0	1192.4	1027.1	876.8	755.9	637.6	504.0
42.5°	2323.3	2104.3	1894.3	1688.6	1483.3	1284.2	1097.3	938.3	800.5	664.9	527.9
40°	2523.5	2273.1	2040.3	1817.2	1591.1	1371.5	1175.1	998.1	842.3	693.2	550.5
37.5°	2718.1	2446.2	2190.3	1939.9	1696.6	1465.8	1249.9	1054.3	882.0	725.0	572.0
35°	2924.1	2620.1	2329.1	2063.5	1805.1	1555.2	1319.9	1110.9	927.6	756.0	592.2
32.5°	3123.1	2790.2	2478.0	2185.4	1908.9	1639.5	1391.9	1170.8	971.5	786.1	611.1
30°	3318.7	2960.9	2620.7	2300.6	2009.3	1727.8	1464.2	1226.8	1013.5	815.2	630.0
27.5°	3498.9	3118.9	2757.5	2419.7	2108.1	1811.7	1532.4	1278.8	1053.3	845.1	652.0
25°	3666.9	3271.0	2892.4	2534.4	2199.7	1891.1	1595.3	1326.9	1093.8	876.2	672.4
22.5°	3824.5	3412.3	3014.6	2640.0	2284.6	1964.1	1656.5	1378.0	1132.2	904.9	691.1
20°	3967.7	3539.4	3124.1	2735.7	2367.2	2033.6	1715.4	1424.0	1166.4	930.9	708.0
17.5°	4096.7	3655.7	3228.6	2825.2	2444.1	2095.3	1767.8	1464.4	1196.5	954.1	722.8
15°	4216.5	3761.3	3320.9	2903.3	2510.7	2149.1	1813.3	1499.3	1222.3	974.3	736.9
12.5°	4319.4	3851.9	3399.3	2969.7	2566.8	2194.6	1851.9	1528.5	1243.7	992.5	750.2
10°	4404.1	3926.9	3463.3	3023.9	2612.2	2231.7	1883.2	1553.2	1263.8	1008.3	760.4
7.5°	4470.1	3985.5	3512.6	3065.8	2648.2	2262.7	1909.8	1574.4	1280.0	1020.4	767.5
5°	4520.1	4031.3	3555.5	3100.8	2681.2	2287.7	1929.2	1589.7	1291.8	1028.7	771.6
2.5°	4564.5	4065.7	3589.2	3123.6	2703.7	2303.9	1940.9	1598.8	1298.9	1033.1	772.6
0°	4589.6	4082.3	3607.8	3133.3	2715.2	2311.2	1944.8	1601.9	1301.3	1033.5	770.4
-2.5°	4564.5	4065.7	3589.2	3123.6	2703.7	2303.9	1940.9	1598.8	1298.9	1033.1	772.6
-5°	4520.1	4031.3	3555.5	3100.8	2681.2	2287.7	1929.2	1589.7	1291.8	1028.7	771.6
-7.5°	4470.1	3985.5	3512.6	3065.8	2648.2	2262.7	1909.8	1574.4	1280.0	1020.4	767.5
-10°	4404.1	3926.9	3463.3	3023.9	2612.2	2231.7	1883.2	1553.2	1263.8	1008.3	760.4
-12.5°	4319.4	3851.9	3399.3	2969.7	2566.8	2194.6	1851.9	1528.5	1243.7	992.5	750.2
-15°	4216.5	3761.3	3320.9	2903.3	2510.7	2149.1	1813.3	1499.3	1222.3	974.3	736.9
-17.5°	4096.7	3655.7	3228.6	2825.2	2444.1	2095.3	1767.8	1464.4	1196.5	954.1	722.8
-20°	3967.7	3539.4	3124.1	2735.7	2367.2	2033.6	1715.4	1424.0	1166.4	930.9	708.0



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3824.5	3412.3	3014.6	2640.0	2284.6	1964.1	1656.5	1378.0	1132.2	904.9	691.1
-25°	3666.9	3271.0	2892.4	2534.4	2199.7	1891.1	1595.3	1326.9	1093.8	876.2	672.4
-27.5°	3498.9	3118.9	2757.5	2419.7	2108.1	1811.7	1532.4	1278.8	1053.3	845.1	652.0
-30°	3318.7	2960.9	2620.7	2300.6	2009.3	1727.8	1464.2	1226.8	1013.5	815.2	630.0
-32.5°	3123.1	2790.2	2478.0	2185.4	1908.9	1639.5	1391.9	1170.8	971.5	786.1	611.1
-35°	2924.1	2620.1	2329.1	2063.5	1805.1	1555.2	1319.9	1110.9	927.6	756.0	592.2
-37.5°	2718.1	2446.2	2190.3	1939.9	1696.6	1465.8	1249.9	1054.3	882.0	725.0	572.0
-40°	2523.5	2273.1	2040.3	1817.2	1591.1	1371.5	1175.1	998.1	842.3	693.2	550.5
-42.5°	2323.3	2104.3	1894.3	1688.6	1483.3	1284.2	1097.3	938.3	800.5	664.9	527.9
-45°	2135.2	1936.0	1748.1	1563.2	1373.0	1192.4	1027.1	876.8	755.9	637.6	504.0
-47.5°	1947.0	1776.6	1606.8	1435.8	1267.7	1100.1	953.0	824.6	709.2	609.1	478.0
-50°	1775.2	1622.3	1469.7	1313.2	1156.5	1014.6	879.8	770.0	668.1	572.5	449.8
-52.5°	1610.1	1476.8	1334.3	1189.5	1054.7	925.2	817.1	714.3	625.5	532.1	419.5
-55°	1452.3	1330.9	1198.2	1072.8	952.4	848.9	752.2	665.8	581.6	489.5	387.6
-57.5°	1294.7	1182.0	1069.8	958.6	860.4	773.5	693.2	615.9	534.0	446.0	356.9
-60°	1139.2	1043.3	943.4	855.4	773.7	701.2	637.4	564.0	484.7	401.7	321.4
-62.5°	991.5	907.3	832.1	756.8	690.1	632.8	580.1	509.2	434.5	356.7	283.2
-65°	850.9	784.9	721.5	662.4	608.9	561.8	517.9	453.6	380.8	310.0	244.8
-67.5°	714.5	665.1	615.1	567.3	527.9	490.2	452.8	391.5	324.7	261.7	208.0
-70°	590.9	549.1	511.8	479.8	448.6	416.6	377.9	325.1	266.8	217.0	170.2
-72.5°	469.2	441.3	416.4	393.0	367.0	336.5	301.2	258.4	213.6	171.2	131.5
-75°	349.0	337.5	325.1	308.4	284.5	257.1	229.5	196.2	159.3	124.5	99.2
-77.5°	253.2	246.0	237.2	227.1	208.5	186.6	161.4	132.9	108.8	89.4	69.2
-80°	167.5	165.7	161.7	154.1	136.5	116.7	101.7	86.3	71.2	55.4	39.0
-82.5°	92.8	93.7	93.6	90.8	80.1	68.9	57.1	44.9	33.3	21.2	16.9
-85°	44.4	43.4	41.0	37.2	29.3	21.1	18.4	15.9	14.4	12.8	11.3
-87.5°	13.5	13.6	13.6	13.5	12.0	10.6	9.2	7.9	7.2	6.4	5.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	4.1	3.3	2.5	1.6	0.7	0.0
85°	9.7	8.1	6.5	4.9	3.3	1.4	0.0
82.5°	14.6	12.2	9.8	7.3	4.9	2.1	0.0
80°	21.9	16.2	13.0	9.8	6.5	2.8	0.0
77.5°	47.7	25.4	16.2	12.2	8.1	3.5	0.0
75°	72.9	43.9	21.1	14.6	9.6	4.2	0.0
72.5°	97.2	61.9	33.6	16.9	11.2	4.9	0.0
70°	121.6	79.3	45.7	20.3	12.7	5.6	0.0
67.5°	150.9	95.9	57.4	27.8	14.1	6.2	0.0
65°	178.9	114.5	68.5	35.0	15.5	6.9	0.0
62.5°	205.5	134.9	79.1	41.8	16.9	7.5	0.0
60°	230.5	154.2	89.0	48.3	18.2	8.1	0.0
57.5°	256.9	172.4	102.2	54.5	21.8	8.6	0.0
55°	281.9	189.2	114.7	60.2	25.4	9.2	0.0
52.5°	305.0	205.2	126.4	65.4	28.8	9.7	0.0
50°	326.2	222.2	137.2	70.3	32.1	10.2	0.0
47.5°	346.1	237.7	147.0	75.3	35.2	10.7	0.0
45°	368.2	251.7	155.9	81.8	38.2	11.1	0.0
42.5°	388.4	264.2	163.7	87.7	41.0	11.6	0.0
40°	406.8	275.1	171.6	93.7	43.7	12.0	0.0
37.5°	423.2	284.4	179.4	99.7	46.2	12.3	0.0
35°	437.7	295.1	186.1	105.2	48.5	12.7	0.0
32.5°	451.2	305.8	191.7	110.4	50.6	13.0	0.0
30°	465.1	315.0	196.1	115.1	52.6	13.2	0.0
27.5°	477.7	322.6	202.9	119.3	54.3	13.5	0.0
25°	488.7	328.6	209.2	123.1	55.9	13.7	0.0
22.5°	498.1	334.7	214.7	126.5	57.3	13.9	0.0
20°	505.9	343.0	219.5	129.4	58.4	14.0	0.0
17.5°	515.7	349.8	223.5	131.8	59.4	14.1	0.0
15°	525.8	355.1	226.7	133.8	60.2	14.2	0.0
12.5°	534.1	358.9	229.2	135.3	60.9	14.3	0.0
10°	540.4	361.2	230.9	136.4	61.3	14.3	0.0
7.5°	544.6	362.2	231.9	137.0	61.5	14.3	0.0
5°	546.9	361.8	232.1	137.2	61.6	14.3	0.0
2.5°	547.0	360.0	231.5	136.9	61.4	14.2	0.0
0°	544.9	357.0	230.2	136.2	61.1	14.1	0.0
-2.5°	547.0	360.0	231.5	136.9	61.4	14.2	0.0
-5°	546.9	361.8	232.1	137.2	61.6	14.3	0.0
-7.5°	544.6	362.2	231.9	137.0	61.5	14.3	0.0
-10°	540.4	361.2	230.9	136.4	61.3	14.3	0.0
-12.5°	534.1	358.9	229.2	135.3	60.9	14.3	0.0
-15°	525.8	355.1	226.7	133.8	60.2	14.2	0.0
-17.5°	515.7	349.8	223.5	131.8	59.4	14.1	0.0
-20°	505.9	343.0	219.5	129.4	58.4	14.0	0.0

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P627571 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	498.1	334.7	214.7	126.5	57.3	13.9	0.0
-25°	488.7	328.6	209.2	123.1	55.9	13.7	0.0
-27.5°	477.7	322.6	202.9	119.3	54.3	13.5	0.0
-30°	465.1	315.0	196.1	115.1	52.6	13.2	0.0
-32.5°	451.2	305.8	191.7	110.4	50.6	13.0	0.0
-35°	437.7	295.1	186.1	105.2	48.5	12.7	0.0
-37.5°	423.2	284.4	179.4	99.7	46.2	12.3	0.0
-40°	406.8	275.1	171.6	93.7	43.7	12.0	0.0
-42.5°	388.4	264.2	163.7	87.7	41.0	11.6	0.0
-45°	368.2	251.7	155.9	81.8	38.2	11.1	0.0
-47.5°	346.1	237.7	147.0	75.3	35.2	10.7	0.0
-50°	326.2	222.2	137.2	70.3	32.1	10.2	0.0
-52.5°	305.0	205.2	126.4	65.4	28.8	9.7	0.0
-55°	281.9	189.2	114.7	60.2	25.4	9.2	0.0
-57.5°	256.9	172.4	102.2	54.5	21.8	8.6	0.0
-60°	230.5	154.2	89.0	48.3	18.2	8.1	0.0
-62.5°	205.5	134.9	79.1	41.8	16.9	7.5	0.0
-65°	178.9	114.5	68.5	35.0	15.5	6.9	0.0
-67.5°	150.9	95.9	57.4	27.8	14.1	6.2	0.0
-70°	121.6	79.3	45.7	20.3	12.7	5.6	0.0
-72.5°	97.2	61.9	33.6	16.9	11.2	4.9	0.0
-75°	72.9	43.9	21.1	14.6	9.6	4.2	0.0
-77.5°	47.7	25.4	16.2	12.2	8.1	3.5	0.0
-80°	21.9	16.2	13.0	9.8	6.5	2.8	0.0
-82.5°	14.6	12.2	9.8	7.3	4.9	2.1	0.0
-85°	9.7	8.1	6.5	4.9	3.3	1.4	0.0
-87.5°	4.9	4.1	3.3	2.5	1.6	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)