

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: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2B-722-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P626831 (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-SA2B-722-U-VWR-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N37  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

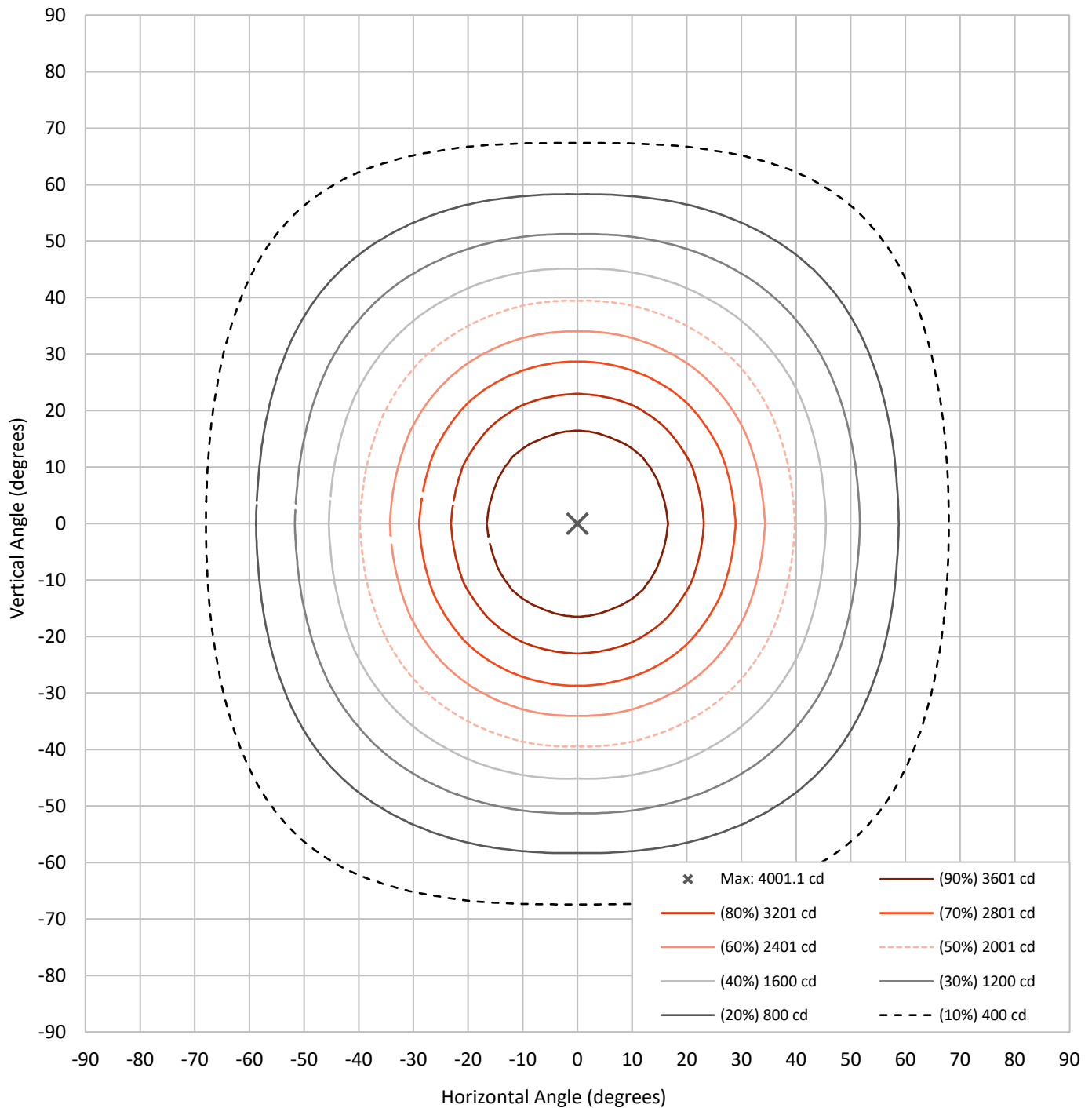
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7231.6 lumens	Max Intensity:	4001.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' 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:	4241.3 lumens	Field Lumens:	6894.1 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	63.6		
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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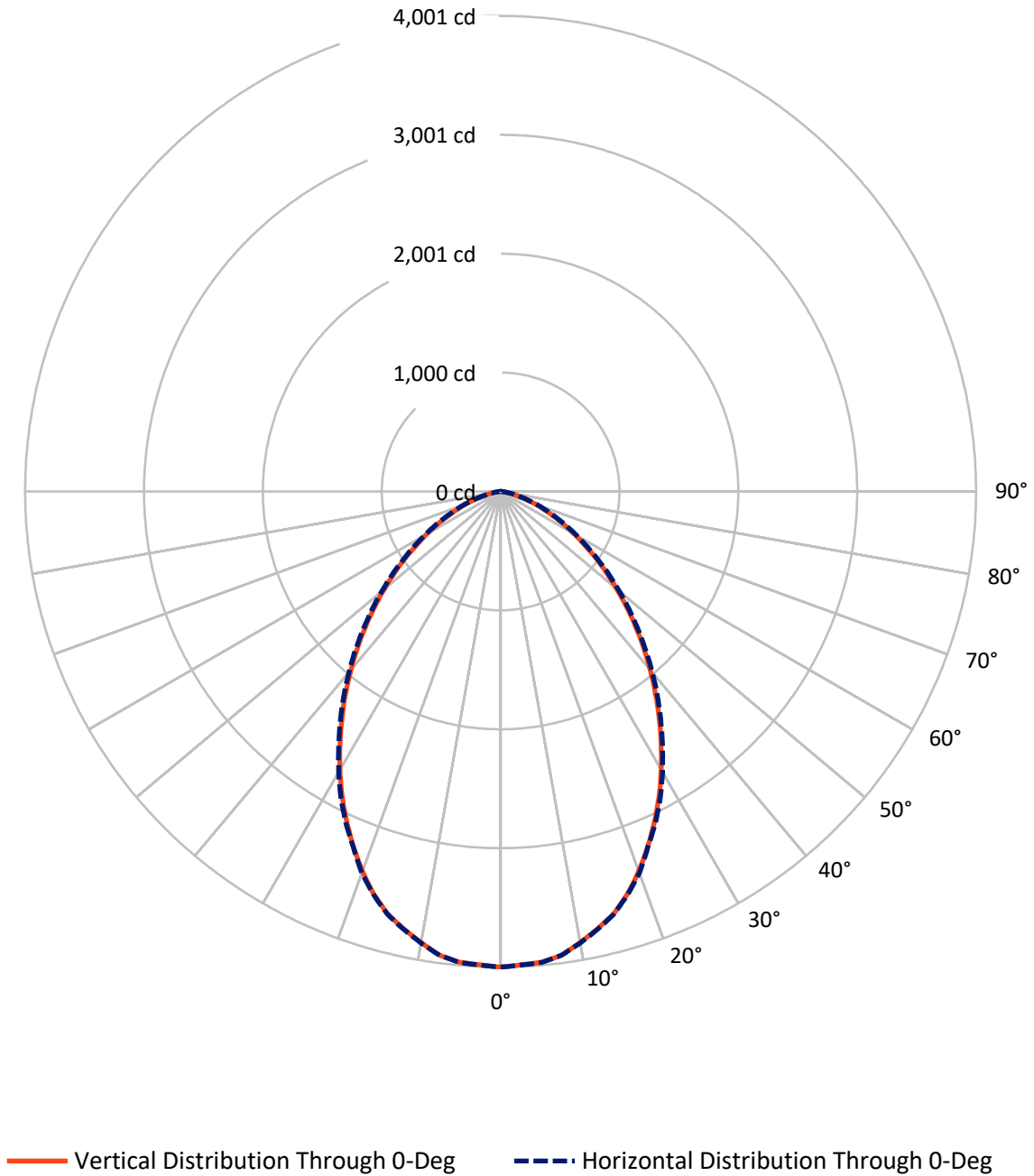
### Lumen Table

90																			
80	0.2	3.0		8.1		13.7		12.9		13.7		8.1		3.0		0.2			
70		1.9	3.7	6.4	9.3	12.1	14.1	15.1	15.1	14.1	12.1	9.3	6.4	3.7	1.9				
60	1.3	2.8	6.1	10.8	16.4	22.3	27.2	29.7	29.7	27.2	22.3	16.4	10.8	6.1	2.8	1.3			
50		3.7	8.8	16.2	25.7	35.7	44.0	48.5	48.5	44.0	35.7	25.7	16.2	8.8	3.7				
40	2.4	4.7	11.6	22.4	36.0	50.5	62.8	69.9	69.9	62.8	50.5	36.0	22.4	11.6	4.7	2.4			
30		5.7	14.3	28.1	45.8	65.1	81.9	91.5	91.5	81.9	65.1	45.8	28.1	14.3	5.7				
20	3.0	6.4	16.4	32.4	53.5	76.9	97.5	109.3	109.3	97.5	76.9	53.5	32.4	16.4	6.4	3.0			
10		6.8	17.6	34.9	57.8	83.5	106.0	118.4	118.4	106.0	83.5	57.8	34.9	17.6	6.8				
0	3.3	6.8	17.6	34.9	57.8	83.5	106.0	118.4	118.4	106.0	83.5	57.8	34.9	17.6	6.8	3.3			
-10		6.8	17.6	34.9	57.8	83.5	106.0	118.4	118.4	106.0	83.5	57.8	34.9	17.6	6.8				
-20	3.0	6.4	16.4	32.4	53.5	76.9	97.5	109.3	109.3	97.5	76.9	53.5	32.4	16.4	6.4	3.0			
-30		5.7	14.3	28.1	45.8	65.1	81.9	91.5	91.5	81.9	65.1	45.8	28.1	14.3	5.7				
-40	2.4	4.7	11.6	22.4	36.0	50.5	62.8	69.9	69.9	62.8	50.5	36.0	22.4	11.6	4.7	2.4			
-50		3.7	8.8	16.2	25.7	35.7	44.0	48.5	48.5	44.0	35.7	25.7	16.2	8.8	3.7				
-60	1.3	2.8	6.1	10.8	16.4	22.3	27.2	29.7	29.7	27.2	22.3	16.4	10.8	6.1	2.8	1.3			
-70		1.9	3.7	6.4	9.3	12.1	14.1	15.1	15.1	14.1	12.1	9.3	6.4	3.7	1.9				
-80	0.2	3.0		8.1		13.7		12.9		13.7		8.1		3.0		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

Horizontal Angle (degrees)

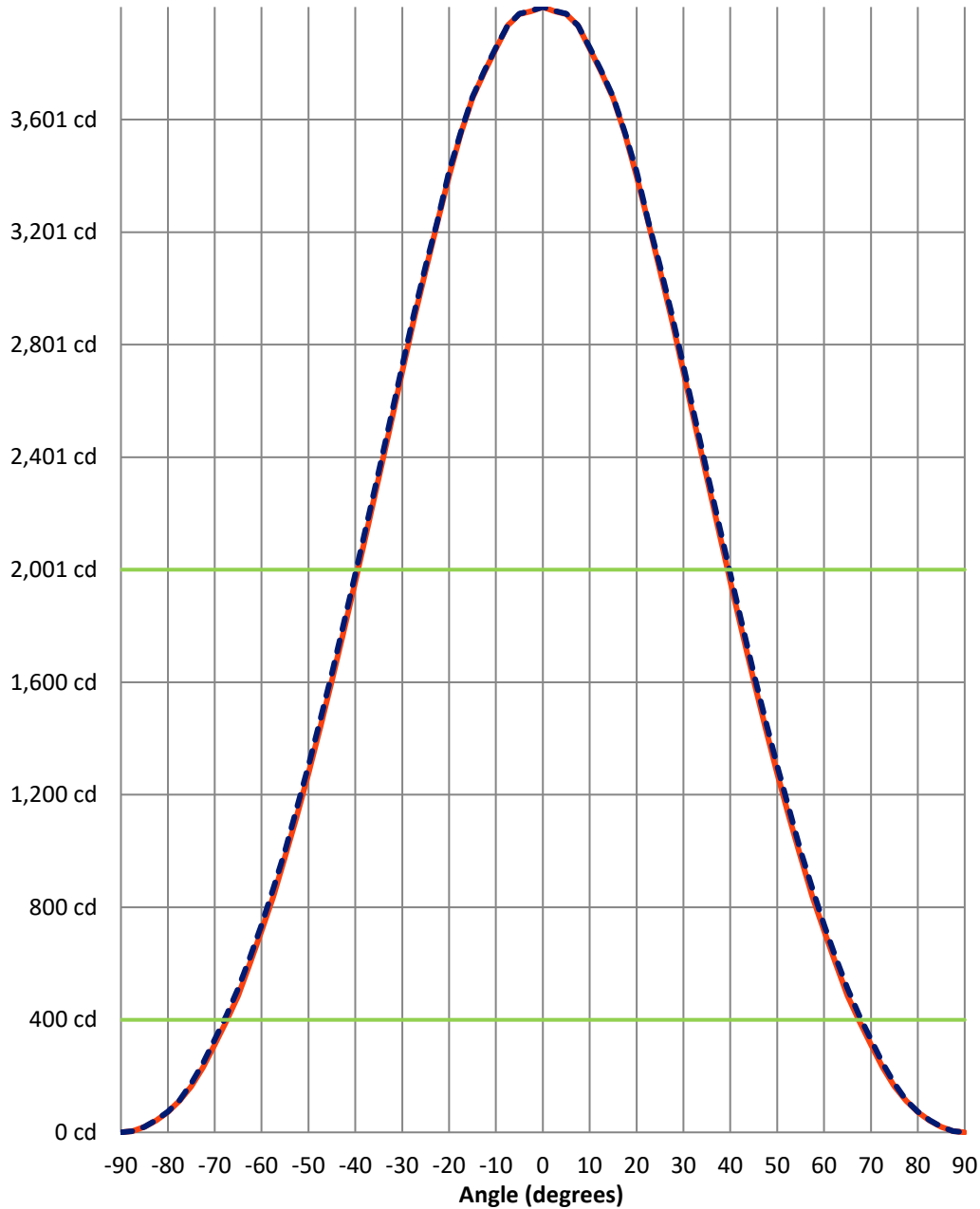
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 79.6°  
V Angle: 78.9°  
Lumens: 4241.3  
Efficiency: 58.7%

**Field:**  
H Angle: 135.9°  
V Angle: 134.8°  
Lumens: 6894.1  
Efficiency: 95.3%

**Spill:**  
Lumens: 337.5  
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	0.2	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
82.5°	0.0	0.7	1.6	2.3	3.1	3.9	4.6	5.4	6.8	10.6	14.4
80°	0.0	0.9	2.1	3.1	4.1	5.2	7.0	12.4	17.7	22.7	27.6
77.5°	0.0	1.1	2.6	3.9	5.2	8.1	15.2	22.1	28.6	34.8	42.5
75°	0.0	1.4	3.1	4.6	6.7	14.0	23.3	31.7	39.8	50.9	62.7
72.5°	0.0	1.6	3.6	5.4	10.7	19.8	31.1	42.0	54.7	68.2	82.5
70°	0.0	1.8	4.0	6.5	14.6	25.3	38.8	54.4	69.3	85.2	103.8
67.5°	0.0	2.0	4.5	8.9	18.3	30.6	48.2	66.4	83.6	103.7	125.0
65°	0.0	2.2	4.9	11.2	21.9	36.6	57.1	78.2	99.0	121.6	144.8
62.5°	0.0	2.4	5.4	13.4	25.2	43.1	65.6	90.4	113.9	138.7	162.6
60°	0.0	2.6	5.8	15.4	28.4	49.2	73.6	102.6	128.3	154.8	180.1
57.5°	0.0	2.8	7.0	17.4	32.6	55.0	82.0	114.0	142.4	170.5	196.6
55°	0.0	2.9	8.1	19.2	36.6	60.4	90.0	123.8	156.3	185.7	212.5
52.5°	0.0	3.1	9.2	20.9	40.4	65.5	97.4	134.0	169.9	199.7	228.0
50°	0.0	3.3	10.2	22.4	43.8	71.0	104.2	143.6	182.8	213.3	245.8
47.5°	0.0	3.4	11.2	24.0	47.0	75.9	110.5	152.6	194.5	226.4	263.2
45°	0.0	3.6	12.2	26.1	49.8	80.4	117.6	160.9	203.6	241.3	279.9
42.5°	0.0	3.7	13.1	28.0	52.3	84.4	124.0	168.6	212.2	255.5	299.5
40°	0.0	3.8	13.9	29.9	54.8	87.8	129.9	175.8	221.3	268.8	318.6
37.5°	0.0	3.9	14.7	31.8	57.3	90.8	135.1	182.6	231.4	281.5	336.5
35°	0.0	4.0	15.5	33.6	59.4	94.2	139.8	189.1	241.3	296.1	354.6
32.5°	0.0	4.1	16.2	35.2	61.2	97.7	144.1	195.1	250.9	310.1	373.7
30°	0.0	4.2	16.8	36.7	62.6	100.6	148.5	201.1	260.2	323.5	391.6
27.5°	0.0	4.3	17.3	38.1	64.8	103.0	152.5	208.2	269.7	336.2	408.2
25°	0.0	4.4	17.8	39.3	66.8	104.9	156.0	214.7	279.7	349.2	423.6
22.5°	0.0	4.4	18.3	40.4	68.6	106.9	159.1	220.6	288.8	361.4	439.9
20°	0.0	4.5	18.7	41.3	70.1	109.5	161.6	226.0	297.2	372.3	454.6
17.5°	0.0	4.5	19.0	42.1	71.4	111.7	164.7	230.7	304.6	382.0	467.5
15°	0.0	4.5	19.2	42.7	72.4	113.4	167.9	235.2	311.0	390.2	478.6
12.5°	0.0	4.6	19.4	43.2	73.2	114.6	170.5	239.5	316.8	397.0	488.0
10°	0.0	4.6	19.6	43.6	73.7	115.4	172.6	242.7	321.8	403.4	495.8
7.5°	0.0	4.6	19.6	43.8	74.0	115.7	173.9	245.0	325.7	408.6	502.6
5°	0.0	4.5	19.6	43.8	74.1	115.5	174.6	246.3	328.4	412.4	507.5
2.5°	0.0	4.5	19.6	43.7	73.9	115.0	174.7	246.6	329.8	414.6	510.4
0°	0.0	4.5	19.5	43.5	73.5	114.0	174.0	245.9	329.9	415.4	511.4
-2.5°	0.0	4.5	19.6	43.7	73.9	115.0	174.7	246.6	329.8	414.6	510.4
-5°	0.0	4.5	19.6	43.8	74.1	115.5	174.6	246.3	328.4	412.4	507.5
-7.5°	0.0	4.6	19.6	43.8	74.0	115.7	173.9	245.0	325.7	408.6	502.6
-10°	0.0	4.6	19.6	43.6	73.7	115.4	172.6	242.7	321.8	403.4	495.8
-12.5°	0.0	4.6	19.4	43.2	73.2	114.6	170.5	239.5	316.8	397.0	488.0
-15°	0.0	4.5	19.2	42.7	72.4	113.4	167.9	235.2	311.0	390.2	478.6
-17.5°	0.0	4.5	19.0	42.1	71.4	111.7	164.7	230.7	304.6	382.0	467.5
-20°	0.0	4.5	18.7	41.3	70.1	109.5	161.6	226.0	297.2	372.3	454.6

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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.4	18.3	40.4	68.6	106.9	159.1	220.6	288.8	361.4	439.9
-25°	0.0	4.4	17.8	39.3	66.8	104.9	156.0	214.7	279.7	349.2	423.6
-27.5°	0.0	4.3	17.3	38.1	64.8	103.0	152.5	208.2	269.7	336.2	408.2
-30°	0.0	4.2	16.8	36.7	62.6	100.6	148.5	201.1	260.2	323.5	391.6
-32.5°	0.0	4.1	16.2	35.2	61.2	97.7	144.1	195.1	250.9	310.1	373.7
-35°	0.0	4.0	15.5	33.6	59.4	94.2	139.8	189.1	241.3	296.1	354.6
-37.5°	0.0	3.9	14.7	31.8	57.3	90.8	135.1	182.6	231.4	281.5	336.5
-40°	0.0	3.8	13.9	29.9	54.8	87.8	129.9	175.8	221.3	268.8	318.6
-42.5°	0.0	3.7	13.1	28.0	52.3	84.4	124.0	168.6	212.2	255.5	299.5
-45°	0.0	3.6	12.2	26.1	49.8	80.4	117.6	160.9	203.6	241.3	279.9
-47.5°	0.0	3.4	11.2	24.0	47.0	75.9	110.5	152.6	194.5	226.4	263.2
-50°	0.0	3.3	10.2	22.4	43.8	71.0	104.2	143.6	182.8	213.3	245.8
-52.5°	0.0	3.1	9.2	20.9	40.4	65.5	97.4	134.0	169.9	199.7	228.0
-55°	0.0	2.9	8.1	19.2	36.6	60.4	90.0	123.8	156.3	185.7	212.5
-57.5°	0.0	2.8	7.0	17.4	32.6	55.0	82.0	114.0	142.4	170.5	196.6
-60°	0.0	2.6	5.8	15.4	28.4	49.2	73.6	102.6	128.3	154.8	180.1
-62.5°	0.0	2.4	5.4	13.4	25.2	43.1	65.6	90.4	113.9	138.7	162.6
-65°	0.0	2.2	4.9	11.2	21.9	36.6	57.1	78.2	99.0	121.6	144.8
-67.5°	0.0	2.0	4.5	8.9	18.3	30.6	48.2	66.4	83.6	103.7	125.0
-70°	0.0	1.8	4.0	6.5	14.6	25.3	38.8	54.4	69.3	85.2	103.8
-72.5°	0.0	1.6	3.6	5.4	10.7	19.8	31.1	42.0	54.7	68.2	82.5
-75°	0.0	1.4	3.1	4.6	6.7	14.0	23.3	31.7	39.8	50.9	62.7
-77.5°	0.0	1.1	2.6	3.9	5.2	8.1	15.2	22.1	28.6	34.8	42.5
-80°	0.0	0.9	2.1	3.1	4.1	5.2	7.0	12.4	17.7	22.7	27.6
-82.5°	0.0	0.7	1.6	2.3	3.1	3.9	4.6	5.4	6.8	10.6	14.4
-85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-87.5°	0.0	0.2	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
-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°	2.9	3.4	3.8	4.3	4.3	4.3	4.3	4.2	4.4	4.6	4.8
85°	5.9	6.7	9.3	11.9	13.1	13.8	14.2	14.1	16.4	19.1	22.0
82.5°	18.3	22.0	25.6	29.0	29.9	29.9	29.6	29.7	35.1	41.3	47.6
80°	32.5	37.3	43.6	49.2	51.6	52.9	53.5	53.4	60.2	69.3	78.9
77.5°	51.6	59.6	66.6	72.5	75.7	78.6	80.9	82.6	91.4	102.9	114.3
75°	73.3	82.1	90.8	98.5	103.8	107.8	111.5	117.4	128.9	142.3	154.0
72.5°	96.2	107.4	117.2	125.5	133.0	140.9	149.8	159.6	171.7	185.1	197.3
70°	120.7	133.0	143.2	153.2	163.4	175.3	188.7	201.8	215.3	230.0	244.3
67.5°	144.6	156.5	168.6	181.1	196.4	212.3	228.1	246.2	264.7	281.1	295.8
65°	165.4	179.4	194.4	211.5	230.3	250.5	271.6	293.4	316.9	336.6	354.6
62.5°	185.2	202.0	220.3	241.6	265.6	289.6	316.5	343.7	370.2	393.4	414.9
60°	203.5	223.8	247.0	273.1	301.2	333.0	363.7	394.6	423.6	449.9	477.1
57.5°	221.3	246.9	274.7	306.0	341.5	377.3	413.3	446.6	479.5	511.5	542.2
55°	240.1	271.0	304.0	342.5	382.5	424.9	463.6	500.8	537.0	575.9	612.9
52.5°	260.8	295.3	336.7	379.7	426.0	471.4	514.0	556.3	600.1	644.1	692.2
50°	280.8	323.9	369.2	419.2	469.2	517.9	566.7	615.4	667.8	721.8	776.3
47.5°	304.2	351.2	404.7	458.4	513.0	567.2	621.5	680.4	740.0	802.6	862.9
45°	327.9	380.7	438.3	499.0	558.0	618.0	681.6	746.7	816.6	885.4	958.0
42.5°	350.3	410.0	473.5	539.1	604.7	671.7	741.7	817.7	894.1	973.5	1053.2
40°	375.1	437.8	507.9	580.1	651.3	725.6	805.6	888.0	974.3	1061.6	1148.2
37.5°	399.0	467.9	541.6	619.3	699.2	780.9	867.7	961.2	1054.9	1148.8	1244.3
35°	421.4	496.5	576.3	658.7	743.5	836.4	933.5	1033.3	1134.7	1236.3	1339.1
32.5°	444.4	523.4	609.4	697.6	791.1	890.7	997.0	1105.1	1213.2	1321.7	1434.2
30°	467.4	551.6	641.5	734.4	836.6	945.2	1059.4	1174.0	1288.3	1407.7	1527.5
27.5°	489.2	578.4	673.0	772.5	880.3	995.7	1117.0	1239.7	1363.0	1489.9	1617.7
25°	509.3	603.8	702.2	809.1	923.4	1044.2	1170.6	1298.6	1433.9	1569.7	1703.1
22.5°	528.8	627.1	729.3	842.8	962.4	1089.3	1220.9	1356.1	1497.4	1643.2	1781.4
20°	547.6	649.2	755.7	873.4	997.4	1129.9	1266.6	1408.2	1556.4	1706.2	1854.7
17.5°	564.4	668.9	780.2	901.9	1030.7	1167.0	1307.8	1454.1	1608.8	1764.1	1921.5
15°	578.9	686.1	801.5	926.9	1060.2	1200.7	1346.0	1496.5	1655.2	1816.9	1980.5
12.5°	591.2	700.6	819.4	948.0	1085.2	1229.7	1378.9	1534.6	1697.7	1863.8	2032.2
10°	601.2	712.4	833.9	965.4	1105.6	1253.6	1406.0	1566.0	1734.0	1903.8	2075.7
7.5°	609.7	722.3	845.4	978.7	1121.3	1272.3	1427.0	1590.6	1762.9	1934.9	2110.6
5°	615.9	730.3	855.9	989.9	1135.0	1286.9	1443.0	1608.0	1784.1	1957.1	2136.0
2.5°	619.7	735.5	863.1	997.2	1145.8	1297.9	1457.2	1623.5	1799.6	1974.7	2155.0
0°	620.9	737.8	866.8	1000.3	1151.7	1303.2	1465.2	1631.6	1807.1	1985.5	2167.0
-2.5°	619.7	735.5	863.1	997.2	1145.8	1297.9	1457.2	1623.5	1799.6	1974.7	2155.0
-5°	615.9	730.3	855.9	989.9	1135.0	1286.9	1443.0	1608.0	1784.1	1957.1	2136.0
-7.5°	609.7	722.3	845.4	978.7	1121.3	1272.3	1427.0	1590.6	1762.9	1934.9	2110.6
-10°	601.2	712.4	833.9	965.4	1105.6	1253.6	1406.0	1566.0	1734.0	1903.8	2075.7
-12.5°	591.2	700.6	819.4	948.0	1085.2	1229.7	1378.9	1534.6	1697.7	1863.8	2032.2
-15°	578.9	686.1	801.5	926.9	1060.2	1200.7	1346.0	1496.5	1655.2	1816.9	1980.5
-17.5°	564.4	668.9	780.2	901.9	1030.7	1167.0	1307.8	1454.1	1608.8	1764.1	1921.5
-20°	547.6	649.2	755.7	873.4	997.4	1129.9	1266.6	1408.2	1556.4	1706.2	1854.7

Classified

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

Scaled Data Report



REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-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°	528.8	627.1	729.3	842.8	962.4	1089.3	1220.9	1356.1	1497.4	1643.2	1781.4
-25°	509.3	603.8	702.2	809.1	923.4	1044.2	1170.6	1298.6	1433.9	1569.7	1703.1
-27.5°	489.2	578.4	673.0	772.5	880.3	995.7	1117.0	1239.7	1363.0	1489.9	1617.7
-30°	467.4	551.6	641.5	734.4	836.6	945.2	1059.4	1174.0	1288.3	1407.7	1527.5
-32.5°	444.4	523.4	609.4	697.6	791.1	890.7	997.0	1105.1	1213.2	1321.7	1434.2
-35°	421.4	496.5	576.3	658.7	743.5	836.4	933.5	1033.3	1134.7	1236.3	1339.1
-37.5°	399.0	467.9	541.6	619.3	699.2	780.9	867.7	961.2	1054.9	1148.8	1244.3
-40°	375.1	437.8	507.9	580.1	651.3	725.6	805.6	888.0	974.3	1061.6	1148.2
-42.5°	350.3	410.0	473.5	539.1	604.7	671.7	741.7	817.7	894.1	973.5	1053.2
-45°	327.9	380.7	438.3	499.0	558.0	618.0	681.6	746.7	816.6	885.4	958.0
-47.5°	304.2	351.2	404.7	458.4	513.0	567.2	621.5	680.4	740.0	802.6	862.9
-50°	280.8	323.9	369.2	419.2	469.2	517.9	566.7	615.4	667.8	721.8	776.3
-52.5°	260.8	295.3	336.7	379.7	426.0	471.4	514.0	556.3	600.1	644.1	692.2
-55°	240.1	271.0	304.0	342.5	382.5	424.9	463.6	500.8	537.0	575.9	612.9
-57.5°	221.3	246.9	274.7	306.0	341.5	377.3	413.3	446.6	479.5	511.5	542.2
-60°	203.5	223.8	247.0	273.1	301.2	333.0	363.7	394.6	423.6	449.9	477.1
-62.5°	185.2	202.0	220.3	241.6	265.6	289.6	316.5	343.7	370.2	393.4	414.9
-65°	165.4	179.4	194.4	211.5	230.3	250.5	271.6	293.4	316.9	336.6	354.6
-67.5°	144.6	156.5	168.6	181.1	196.4	212.3	228.1	246.2	264.7	281.1	295.8
-70°	120.7	133.0	143.2	153.2	163.4	175.3	188.7	201.8	215.3	230.0	244.3
-72.5°	96.2	107.4	117.2	125.5	133.0	140.9	149.8	159.6	171.7	185.1	197.3
-75°	73.3	82.1	90.8	98.5	103.8	107.8	111.5	117.4	128.9	142.3	154.0
-77.5°	51.6	59.6	66.6	72.5	75.7	78.6	80.9	82.6	91.4	102.9	114.3
-80°	32.5	37.3	43.6	49.2	51.6	52.9	53.5	53.4	60.2	69.3	78.9
-82.5°	18.3	22.0	25.6	29.0	29.9	29.9	29.6	29.7	35.1	41.3	47.6
-85°	5.9	6.7	9.3	11.9	13.1	13.8	14.2	14.1	16.4	19.1	22.0
-87.5°	2.9	3.4	3.8	4.3	4.3	4.3	4.3	4.2	4.4	4.6	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-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°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.5	5.2
85°	25.1	26.8	28.5	30.1	31.6	33.0	34.3	35.6	36.7	33.6	30.0
82.5°	54.1	58.4	62.6	66.7	70.8	71.8	72.1	72.0	71.4	65.8	59.6
80°	88.3	95.7	102.6	109.5	116.3	117.0	116.3	114.9	112.9	105.5	97.2
77.5°	125.7	134.9	143.0	150.5	157.2	158.5	158.3	158.0	157.4	149.9	140.9
75°	164.0	173.0	181.7	189.1	195.3	198.2	199.6	200.6	201.1	195.8	188.7
72.5°	208.3	217.7	225.4	232.6	238.7	243.1	246.3	248.7	250.3	248.7	245.8
70°	256.4	266.5	275.0	283.2	291.4	298.1	303.1	306.7	309.0	310.5	311.6
67.5°	310.7	324.2	336.1	346.2	356.2	365.5	373.3	379.6	384.4	388.6	391.7
65°	371.8	389.1	404.5	418.6	431.5	445.1	456.3	465.7	473.2	479.4	484.5
62.5°	436.0	457.3	477.0	496.1	514.9	533.4	547.6	560.5	572.0	581.9	589.7
60°	502.8	526.9	553.4	578.7	602.0	623.2	644.3	662.6	678.2	691.2	701.6
57.5°	574.5	605.8	636.7	668.1	697.8	725.5	751.5	774.4	793.8	809.7	823.0
55°	652.0	691.1	727.0	766.6	804.8	839.7	870.4	897.3	920.7	940.2	956.8
52.5°	737.2	784.7	831.3	876.4	919.9	960.3	997.0	1028.4	1056.3	1080.2	1099.3
50°	830.4	884.8	938.9	989.0	1038.9	1085.5	1127.5	1164.0	1196.5	1224.6	1246.7
47.5°	928.0	989.9	1050.2	1107.6	1162.8	1214.6	1260.2	1301.7	1342.2	1375.3	1401.4
45°	1029.2	1098.6	1165.2	1230.8	1291.7	1349.7	1405.9	1457.6	1499.2	1535.6	1566.2
42.5°	1131.7	1209.1	1283.7	1355.3	1422.2	1489.3	1552.5	1609.0	1656.4	1697.8	1732.6
40°	1235.5	1320.3	1402.5	1480.5	1556.9	1630.1	1698.5	1758.1	1811.6	1860.8	1901.7
37.5°	1338.8	1432.1	1523.1	1610.5	1694.7	1774.0	1847.9	1915.2	1975.6	2031.6	2077.0
35°	1442.6	1544.9	1644.5	1740.7	1832.7	1920.1	2001.1	2077.7	2148.9	2205.6	2252.1
32.5°	1545.9	1655.9	1764.4	1870.3	1970.9	2065.2	2152.9	2237.6	2310.7	2373.1	2426.6
30°	1645.9	1765.1	1883.2	1998.0	2106.7	2208.9	2306.0	2395.5	2474.2	2542.4	2602.4
27.5°	1744.1	1872.1	1998.8	2121.5	2239.0	2350.0	2456.0	2553.1	2639.0	2713.1	2776.4
25°	1836.8	1974.4	2109.5	2239.5	2365.1	2487.6	2602.0	2708.0	2799.7	2881.0	2946.0
22.5°	1925.4	2072.2	2214.1	2350.9	2485.2	2617.3	2742.6	2853.2	2950.4	3035.4	3107.4
20°	2008.0	2165.2	2310.4	2455.1	2596.7	2737.6	2872.1	2988.9	3091.7	3182.2	3261.5
17.5°	2085.1	2246.4	2399.3	2553.4	2702.6	2850.4	2987.0	3112.2	3223.1	3319.3	3402.3
15°	2150.5	2313.3	2480.3	2644.9	2802.1	2951.8	3088.4	3219.0	3342.2	3446.2	3530.5
12.5°	2203.4	2372.8	2547.0	2721.6	2887.9	3037.5	3180.4	3313.0	3442.4	3559.2	3636.6
10°	2248.4	2422.9	2602.8	2780.8	2949.4	3107.6	3262.9	3403.2	3530.3	3634.9	3721.3
7.5°	2287.4	2467.1	2649.8	2828.2	2996.1	3159.6	3319.6	3468.5	3596.8	3695.3	3772.4
5°	2316.2	2500.2	2686.4	2866.3	3036.7	3200.6	3361.4	3508.4	3633.7	3733.9	3818.0
2.5°	2336.7	2522.4	2710.0	2890.2	3064.4	3228.7	3393.4	3542.2	3663.4	3755.3	3835.8
0°	2349.9	2535.9	2724.9	2909.3	3080.3	3239.2	3416.2	3555.7	3681.6	3773.1	3857.1
-2.5°	2336.7	2522.4	2710.0	2890.2	3064.4	3228.7	3393.4	3542.2	3663.4	3755.3	3835.8
-5°	2316.2	2500.2	2686.4	2866.3	3036.7	3200.6	3361.4	3508.4	3633.7	3733.9	3818.0
-7.5°	2287.4	2467.1	2649.8	2828.2	2996.1	3159.6	3319.6	3468.5	3596.8	3695.3	3772.4
-10°	2248.4	2422.9	2602.8	2780.8	2949.4	3107.6	3262.9	3403.2	3530.3	3634.9	3721.3
-12.5°	2203.4	2372.8	2547.0	2721.6	2887.9	3037.5	3180.4	3313.0	3442.4	3559.2	3636.6
-15°	2150.5	2313.3	2480.3	2644.9	2802.1	2951.8	3088.4	3219.0	3342.2	3446.2	3530.5
-17.5°	2085.1	2246.4	2399.3	2553.4	2702.6	2850.4	2987.0	3112.2	3223.1	3319.3	3402.3
-20°	2008.0	2165.2	2310.4	2455.1	2596.7	2737.6	2872.1	2988.9	3091.7	3182.2	3261.5



REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2B-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1925.4	2072.2	2214.1	2350.9	2485.2	2617.3	2742.6	2853.2	2950.4	3035.4	3107.4
-25°	1836.8	1974.4	2109.5	2239.5	2365.1	2487.6	2602.0	2708.0	2799.7	2881.0	2946.0
-27.5°	1744.1	1872.1	1998.8	2121.5	2239.0	2350.0	2456.0	2553.1	2639.0	2713.1	2776.4
-30°	1645.9	1765.1	1883.2	1998.0	2106.7	2208.9	2306.0	2395.5	2474.2	2542.4	2602.4
-32.5°	1545.9	1655.9	1764.4	1870.3	1970.9	2065.2	2152.9	2237.6	2310.7	2373.1	2426.6
-35°	1442.6	1544.9	1644.5	1740.7	1832.7	1920.1	2001.1	2077.7	2148.9	2205.6	2252.1
-37.5°	1338.8	1432.1	1523.1	1610.5	1694.7	1774.0	1847.9	1915.2	1975.6	2031.6	2077.0
-40°	1235.5	1320.3	1402.5	1480.5	1556.9	1630.1	1698.5	1758.1	1811.6	1860.8	1901.7
-42.5°	1131.7	1209.1	1283.7	1355.3	1422.2	1489.3	1552.5	1609.0	1656.4	1697.8	1732.6
-45°	1029.2	1098.6	1165.2	1230.8	1291.7	1349.7	1405.9	1457.6	1499.2	1535.6	1566.2
-47.5°	928.0	989.9	1050.2	1107.6	1162.8	1214.6	1260.2	1301.7	1342.2	1375.3	1401.4
-50°	830.4	884.8	938.9	989.0	1038.9	1085.5	1127.5	1164.0	1196.5	1224.6	1246.7
-52.5°	737.2	784.7	831.3	876.4	919.9	960.3	997.0	1028.4	1056.3	1080.2	1099.3
-55°	652.0	691.1	727.0	766.6	804.8	839.7	870.4	897.3	920.7	940.2	956.8
-57.5°	574.5	605.8	636.7	668.1	697.8	725.5	751.5	774.4	793.8	809.7	823.0
-60°	502.8	526.9	553.4	578.7	602.0	623.2	644.3	662.6	678.2	691.2	701.6
-62.5°	436.0	457.3	477.0	496.1	514.9	533.4	547.6	560.5	572.0	581.9	589.7
-65°	371.8	389.1	404.5	418.6	431.5	445.1	456.3	465.7	473.2	479.4	484.5
-67.5°	310.7	324.2	336.1	346.2	356.2	365.5	373.3	379.6	384.4	388.6	391.7
-70°	256.4	266.5	275.0	283.2	291.4	298.1	303.1	306.7	309.0	310.5	311.6
-72.5°	208.3	217.7	225.4	232.6	238.7	243.1	246.3	248.7	250.3	248.7	245.8
-75°	164.0	173.0	181.7	189.1	195.3	198.2	199.6	200.6	201.1	195.8	188.7
-77.5°	125.7	134.9	143.0	150.5	157.2	158.5	158.3	158.0	157.4	149.9	140.9
-80°	88.3	95.7	102.6	109.5	116.3	117.0	116.3	114.9	112.9	105.5	97.2
-82.5°	54.1	58.4	62.6	66.7	70.8	71.8	72.1	72.0	71.4	65.8	59.6
-85°	25.1	26.8	28.5	30.1	31.6	33.0	34.3	35.6	36.7	33.6	30.0
-87.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.5	5.2
-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: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2B-722-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°	4.8	4.5	4.5	4.5	4.5	4.5	4.8	5.2	5.5	5.8	5.7
85°	26.3	22.4	21.0	19.5	21.0	22.4	26.3	30.0	33.6	36.7	35.6
82.5°	53.1	46.3	44.2	42.0	44.2	46.3	53.1	59.6	65.8	71.4	72.0
80°	88.5	79.3	75.7	72.0	75.7	79.3	88.5	97.2	105.5	112.9	114.9
77.5°	131.3	121.2	116.9	112.5	116.9	121.2	131.3	140.9	149.9	157.4	158.0
75°	181.3	173.4	168.6	163.5	168.6	173.4	181.3	188.7	195.8	201.1	200.6
72.5°	242.5	238.6	235.2	230.9	235.2	238.6	242.5	245.8	248.7	250.3	248.7
70°	312.0	311.5	312.1	311.9	312.1	311.5	312.0	311.6	310.5	309.0	306.7
67.5°	393.4	393.5	395.1	395.9	395.1	393.5	393.4	391.7	388.6	384.4	379.6
65°	487.5	488.7	488.3	485.9	488.3	488.7	487.5	484.5	479.4	473.2	465.7
62.5°	595.3	598.5	600.3	599.9	600.3	598.5	595.3	589.7	581.9	572.0	560.5
60°	709.4	714.5	717.1	716.8	717.1	714.5	709.4	701.6	691.2	678.2	662.6
57.5°	833.0	839.5	841.0	838.3	841.0	839.5	833.0	823.0	809.7	793.8	774.4
55°	969.3	977.6	980.8	979.3	980.8	977.6	969.3	956.8	940.2	920.7	897.3
52.5°	1113.3	1122.3	1125.5	1123.2	1125.5	1122.3	1113.3	1099.3	1080.2	1056.3	1028.4
50°	1263.0	1273.9	1278.3	1276.2	1278.3	1273.9	1263.0	1246.7	1224.6	1196.5	1164.0
47.5°	1421.9	1436.4	1442.0	1438.2	1442.0	1436.4	1421.9	1401.4	1375.3	1342.2	1301.7
45°	1589.0	1604.0	1609.9	1606.1	1609.9	1604.0	1589.0	1566.2	1535.6	1499.2	1457.6
42.5°	1759.2	1778.7	1787.0	1780.1	1787.0	1778.7	1759.2	1732.6	1697.8	1656.4	1609.0
40°	1932.3	1953.5	1963.3	1958.5	1963.3	1953.5	1932.3	1901.7	1860.8	1811.6	1758.1
37.5°	2109.9	2131.0	2141.4	2141.5	2141.4	2131.0	2109.9	2077.0	2031.6	1975.6	1915.2
35°	2288.1	2313.6	2328.1	2327.4	2328.1	2313.6	2288.1	2252.1	2205.6	2148.9	2077.7
32.5°	2468.8	2496.5	2511.3	2513.4	2511.3	2496.5	2468.8	2426.6	2373.1	2310.7	2237.6
30°	2649.3	2679.8	2696.9	2703.9	2696.9	2679.8	2649.3	2602.4	2542.4	2474.2	2395.5
27.5°	2824.3	2861.7	2887.6	2889.8	2887.6	2861.7	2824.3	2776.4	2713.1	2639.0	2553.1
25°	2993.8	3031.9	3058.4	3063.8	3058.4	3031.9	2993.8	2946.0	2881.0	2799.7	2708.0
22.5°	3160.8	3200.6	3225.1	3234.7	3225.1	3200.6	3160.8	3107.4	3035.4	2950.4	2853.2
20°	3320.2	3363.4	3389.4	3399.7	3389.4	3363.4	3320.2	3261.5	3182.2	3091.7	2988.9
17.5°	3464.5	3510.2	3542.2	3551.2	3542.2	3510.2	3464.5	3402.3	3319.3	3223.1	3112.2
15°	3591.5	3634.7	3665.1	3677.1	3665.1	3634.7	3591.5	3530.5	3446.2	3342.2	3219.0
12.5°	3694.7	3733.5	3757.3	3768.6	3757.3	3733.5	3694.7	3636.6	3559.2	3442.4	3313.0
10°	3775.5	3814.3	3837.1	3852.6	3837.1	3814.3	3775.5	3721.3	3634.9	3530.3	3403.2
7.5°	3845.6	3885.4	3913.2	3935.1	3913.2	3885.4	3845.6	3772.4	3695.3	3596.8	3468.5
5°	3884.2	3950.7	3960.7	3975.6	3960.7	3950.7	3884.2	3818.0	3733.9	3633.7	3508.4
2.5°	3913.8	3960.9	3989.2	3986.1	3989.2	3960.9	3913.8	3835.8	3755.3	3663.4	3542.2
0°	3935.1	3977.1	3987.6	4001.1	3987.6	3977.1	3935.1	3857.1	3773.1	3681.6	3555.7
-2.5°	3913.8	3960.9	3989.2	3986.1	3989.2	3960.9	3913.8	3835.8	3755.3	3663.4	3542.2
-5°	3884.2	3950.7	3960.7	3975.6	3960.7	3950.7	3884.2	3818.0	3733.9	3633.7	3508.4
-7.5°	3845.6	3885.4	3913.2	3935.1	3913.2	3885.4	3845.6	3772.4	3695.3	3596.8	3468.5
-10°	3775.5	3814.3	3837.1	3852.6	3837.1	3814.3	3775.5	3721.3	3634.9	3530.3	3403.2
-12.5°	3694.7	3733.5	3757.3	3768.6	3757.3	3733.5	3694.7	3636.6	3559.2	3442.4	3313.0
-15°	3591.5	3634.7	3665.1	3677.1	3665.1	3634.7	3591.5	3530.5	3446.2	3342.2	3219.0
-17.5°	3464.5	3510.2	3542.2	3551.2	3542.2	3510.2	3464.5	3402.3	3319.3	3223.1	3112.2
-20°	3320.2	3363.4	3389.4	3399.7	3389.4	3363.4	3320.2	3261.5	3182.2	3091.7	2988.9



REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2B-722-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°	3160.8	3200.6	3225.1	3234.7	3225.1	3200.6	3160.8	3107.4	3035.4	2950.4	2853.2
-25°	2993.8	3031.9	3058.4	3063.8	3058.4	3031.9	2993.8	2946.0	2881.0	2799.7	2708.0
-27.5°	2824.3	2861.7	2887.6	2889.8	2887.6	2861.7	2824.3	2776.4	2713.1	2639.0	2553.1
-30°	2649.3	2679.8	2696.9	2703.9	2696.9	2679.8	2649.3	2602.4	2542.4	2474.2	2395.5
-32.5°	2468.8	2496.5	2511.3	2513.4	2511.3	2496.5	2468.8	2426.6	2373.1	2310.7	2237.6
-35°	2288.1	2313.6	2328.1	2327.4	2328.1	2313.6	2288.1	2252.1	2205.6	2148.9	2077.7
-37.5°	2109.9	2131.0	2141.4	2141.5	2141.4	2131.0	2109.9	2077.0	2031.6	1975.6	1915.2
-40°	1932.3	1953.5	1963.3	1958.5	1963.3	1953.5	1932.3	1901.7	1860.8	1811.6	1758.1
-42.5°	1759.2	1778.7	1787.0	1780.1	1787.0	1778.7	1759.2	1732.6	1697.8	1656.4	1609.0
-45°	1589.0	1604.0	1609.9	1606.1	1609.9	1604.0	1589.0	1566.2	1535.6	1499.2	1457.6
-47.5°	1421.9	1436.4	1442.0	1438.2	1442.0	1436.4	1421.9	1401.4	1375.3	1342.2	1301.7
-50°	1263.0	1273.9	1278.3	1276.2	1278.3	1273.9	1263.0	1246.7	1224.6	1196.5	1164.0
-52.5°	1113.3	1122.3	1125.5	1123.2	1125.5	1122.3	1113.3	1099.3	1080.2	1056.3	1028.4
-55°	969.3	977.6	980.8	979.3	980.8	977.6	969.3	956.8	940.2	920.7	897.3
-57.5°	833.0	839.5	841.0	838.3	841.0	839.5	833.0	823.0	809.7	793.8	774.4
-60°	709.4	714.5	717.1	716.8	717.1	714.5	709.4	701.6	691.2	678.2	662.6
-62.5°	595.3	598.5	600.3	599.9	600.3	598.5	595.3	589.7	581.9	572.0	560.5
-65°	487.5	488.7	488.3	485.9	488.3	488.7	487.5	484.5	479.4	473.2	465.7
-67.5°	393.4	393.5	395.1	395.9	395.1	393.5	393.4	391.7	388.6	384.4	379.6
-70°	312.0	311.5	312.1	311.9	312.1	311.5	312.0	311.6	310.5	309.0	306.7
-72.5°	242.5	238.6	235.2	230.9	235.2	238.6	242.5	245.8	248.7	250.3	248.7
-75°	181.3	173.4	168.6	163.5	168.6	173.4	181.3	188.7	195.8	201.1	200.6
-77.5°	131.3	121.2	116.9	112.5	116.9	121.2	131.3	140.9	149.9	157.4	158.0
-80°	88.5	79.3	75.7	72.0	75.7	79.3	88.5	97.2	105.5	112.9	114.9
-82.5°	53.1	46.3	44.2	42.0	44.2	46.3	53.1	59.6	65.8	71.4	72.0
-85°	26.3	22.4	21.0	19.5	21.0	22.4	26.3	30.0	33.6	36.7	35.6
-87.5°	4.8	4.5	4.5	4.5	4.5	4.5	4.8	5.2	5.5	5.8	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



REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-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°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
85°	34.3	33.0	31.6	30.1	28.5	26.8	25.1	22.0	19.1	16.4	14.1
82.5°	72.1	71.8	70.8	66.7	62.6	58.4	54.1	47.6	41.3	35.1	29.7
80°	116.3	117.0	116.3	109.5	102.6	95.7	88.3	78.9	69.3	60.2	53.4
77.5°	158.3	158.5	157.2	150.5	143.0	134.9	125.7	114.3	102.9	91.4	82.6
75°	199.6	198.2	195.3	189.1	181.7	173.0	164.0	154.0	142.3	128.9	117.4
72.5°	246.3	243.1	238.7	232.6	225.4	217.7	208.3	197.3	185.1	171.7	159.6
70°	303.1	298.1	291.4	283.2	275.0	266.5	256.4	244.3	230.0	215.3	201.8
67.5°	373.3	365.5	356.2	346.2	336.1	324.2	310.7	295.8	281.1	264.7	246.2
65°	456.3	445.1	431.5	418.6	404.5	389.1	371.8	354.6	336.6	316.9	293.4
62.5°	547.6	533.4	514.9	496.1	477.0	457.3	436.0	414.9	393.4	370.2	343.7
60°	644.3	623.2	602.0	578.7	553.4	526.9	502.8	477.1	449.9	423.6	394.6
57.5°	751.5	725.5	697.8	668.1	636.7	605.8	574.5	542.2	511.5	479.5	446.6
55°	870.4	839.7	804.8	766.6	727.0	691.1	652.0	612.9	575.9	537.0	500.8
52.5°	997.0	960.3	919.9	876.4	831.3	784.7	737.2	692.2	644.1	600.1	556.3
50°	1127.5	1085.5	1038.9	989.0	938.9	884.8	830.4	776.3	721.8	667.8	615.4
47.5°	1260.2	1214.6	1162.8	1107.6	1050.2	989.9	928.0	862.9	802.6	740.0	680.4
45°	1405.9	1349.7	1291.7	1230.8	1165.2	1098.6	1029.2	958.0	885.4	816.6	746.7
42.5°	1552.5	1489.3	1422.2	1355.3	1283.7	1209.1	1131.7	1053.2	973.5	894.1	817.7
40°	1698.5	1630.1	1556.9	1480.5	1402.5	1320.3	1235.5	1148.2	1061.6	974.3	888.0
37.5°	1847.9	1774.0	1694.7	1610.5	1523.1	1432.1	1338.8	1244.3	1148.8	1054.9	961.2
35°	2001.1	1920.1	1832.7	1740.7	1644.5	1544.9	1442.6	1339.1	1236.3	1134.7	1033.3
32.5°	2152.9	2065.2	1970.9	1870.3	1764.4	1655.9	1545.9	1434.2	1321.7	1213.2	1105.1
30°	2306.0	2208.9	2106.7	1998.0	1883.2	1765.1	1645.9	1527.5	1407.7	1288.3	1174.0
27.5°	2456.0	2350.0	2239.0	2121.5	1998.8	1872.1	1744.1	1617.7	1489.9	1363.0	1239.7
25°	2602.0	2487.6	2365.1	2239.5	2109.5	1974.4	1836.8	1703.1	1569.7	1433.9	1298.6
22.5°	2742.6	2617.3	2485.2	2350.9	2214.1	2072.2	1925.4	1781.4	1643.2	1497.4	1356.1
20°	2872.1	2737.6	2596.7	2455.1	2310.4	2165.2	2008.0	1854.7	1706.2	1556.4	1408.2
17.5°	2987.0	2850.4	2702.6	2553.4	2399.3	2246.4	2085.1	1921.5	1764.1	1608.8	1454.1
15°	3088.4	2951.8	2802.1	2644.9	2480.3	2313.3	2150.5	1980.5	1816.9	1655.2	1496.5
12.5°	3180.4	3037.5	2887.9	2721.6	2547.0	2372.8	2203.4	2032.2	1863.8	1697.7	1534.6
10°	3262.9	3107.6	2949.4	2780.8	2602.8	2422.9	2248.4	2075.7	1903.8	1734.0	1566.0
7.5°	3319.6	3159.6	2996.1	2828.2	2649.8	2467.1	2287.4	2110.6	1934.9	1762.9	1590.6
5°	3361.4	3200.6	3036.7	2866.3	2686.4	2500.2	2316.2	2136.0	1957.1	1784.1	1608.0
2.5°	3393.4	3228.7	3064.4	2890.2	2710.0	2522.4	2336.7	2155.0	1974.7	1799.6	1623.5
0°	3416.2	3239.2	3080.3	2909.3	2724.9	2535.9	2349.9	2167.0	1985.5	1807.1	1631.6
-2.5°	3393.4	3228.7	3064.4	2890.2	2710.0	2522.4	2336.7	2155.0	1974.7	1799.6	1623.5
-5°	3361.4	3200.6	3036.7	2866.3	2686.4	2500.2	2316.2	2136.0	1957.1	1784.1	1608.0
-7.5°	3319.6	3159.6	2996.1	2828.2	2649.8	2467.1	2287.4	2110.6	1934.9	1762.9	1590.6
-10°	3262.9	3107.6	2949.4	2780.8	2602.8	2422.9	2248.4	2075.7	1903.8	1734.0	1566.0
-12.5°	3180.4	3037.5	2887.9	2721.6	2547.0	2372.8	2203.4	2032.2	1863.8	1697.7	1534.6
-15°	3088.4	2951.8	2802.1	2644.9	2480.3	2313.3	2150.5	1980.5	1816.9	1655.2	1496.5
-17.5°	2987.0	2850.4	2702.6	2553.4	2399.3	2246.4	2085.1	1921.5	1764.1	1608.8	1454.1
-20°	2872.1	2737.6	2596.7	2455.1	2310.4	2165.2	2008.0	1854.7	1706.2	1556.4	1408.2

Classified

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

Scaled Data Report



REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2742.6	2617.3	2485.2	2350.9	2214.1	2072.2	1925.4	1781.4	1643.2	1497.4	1356.1
-25°	2602.0	2487.6	2365.1	2239.5	2109.5	1974.4	1836.8	1703.1	1569.7	1433.9	1298.6
-27.5°	2456.0	2350.0	2239.0	2121.5	1998.8	1872.1	1744.1	1617.7	1489.9	1363.0	1239.7
-30°	2306.0	2208.9	2106.7	1998.0	1883.2	1765.1	1645.9	1527.5	1407.7	1288.3	1174.0
-32.5°	2152.9	2065.2	1970.9	1870.3	1764.4	1655.9	1545.9	1434.2	1321.7	1213.2	1105.1
-35°	2001.1	1920.1	1832.7	1740.7	1644.5	1544.9	1442.6	1339.1	1236.3	1134.7	1033.3
-37.5°	1847.9	1774.0	1694.7	1610.5	1523.1	1432.1	1338.8	1244.3	1148.8	1054.9	961.2
-40°	1698.5	1630.1	1556.9	1480.5	1402.5	1320.3	1235.5	1148.2	1061.6	974.3	888.0
-42.5°	1552.5	1489.3	1422.2	1355.3	1283.7	1209.1	1131.7	1053.2	973.5	894.1	817.7
-45°	1405.9	1349.7	1291.7	1230.8	1165.2	1098.6	1029.2	958.0	885.4	816.6	746.7
-47.5°	1260.2	1214.6	1162.8	1107.6	1050.2	989.9	928.0	862.9	802.6	740.0	680.4
-50°	1127.5	1085.5	1038.9	989.0	938.9	884.8	830.4	776.3	721.8	667.8	615.4
-52.5°	997.0	960.3	919.9	876.4	831.3	784.7	737.2	692.2	644.1	600.1	556.3
-55°	870.4	839.7	804.8	766.6	727.0	691.1	652.0	612.9	575.9	537.0	500.8
-57.5°	751.5	725.5	697.8	668.1	636.7	605.8	574.5	542.2	511.5	479.5	446.6
-60°	644.3	623.2	602.0	578.7	553.4	526.9	502.8	477.1	449.9	423.6	394.6
-62.5°	547.6	533.4	514.9	496.1	477.0	457.3	436.0	414.9	393.4	370.2	343.7
-65°	456.3	445.1	431.5	418.6	404.5	389.1	371.8	354.6	336.6	316.9	293.4
-67.5°	373.3	365.5	356.2	346.2	336.1	324.2	310.7	295.8	281.1	264.7	246.2
-70°	303.1	298.1	291.4	283.2	275.0	266.5	256.4	244.3	230.0	215.3	201.8
-72.5°	246.3	243.1	238.7	232.6	225.4	217.7	208.3	197.3	185.1	171.7	159.6
-75°	199.6	198.2	195.3	189.1	181.7	173.0	164.0	154.0	142.3	128.9	117.4
-77.5°	158.3	158.5	157.2	150.5	143.0	134.9	125.7	114.3	102.9	91.4	82.6
-80°	116.3	117.0	116.3	109.5	102.6	95.7	88.3	78.9	69.3	60.2	53.4
-82.5°	72.1	71.8	70.8	66.7	62.6	58.4	54.1	47.6	41.3	35.1	29.7
-85°	34.3	33.0	31.6	30.1	28.5	26.8	25.1	22.0	19.1	16.4	14.1
-87.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
-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: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-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°	4.3	4.3	4.3	4.3	3.8	3.4	2.9	2.5	2.3	2.1	1.8
85°	14.2	13.8	13.1	11.9	9.3	6.7	5.9	5.1	4.6	4.1	3.6
82.5°	29.6	29.9	29.9	29.0	25.6	22.0	18.3	14.4	10.6	6.8	5.4
80°	53.5	52.9	51.6	49.2	43.6	37.3	32.5	27.6	22.7	17.7	12.4
77.5°	80.9	78.6	75.7	72.5	66.6	59.6	51.6	42.5	34.8	28.6	22.1
75°	111.5	107.8	103.8	98.5	90.8	82.1	73.3	62.7	50.9	39.8	31.7
72.5°	149.8	140.9	133.0	125.5	117.2	107.4	96.2	82.5	68.2	54.7	42.0
70°	188.7	175.3	163.4	153.2	143.2	133.0	120.7	103.8	85.2	69.3	54.4
67.5°	228.1	212.3	196.4	181.1	168.6	156.5	144.6	125.0	103.7	83.6	66.4
65°	271.6	250.5	230.3	211.5	194.4	179.4	165.4	144.8	121.6	99.0	78.2
62.5°	316.5	289.6	265.6	241.6	220.3	202.0	185.2	162.6	138.7	113.9	90.4
60°	363.7	333.0	301.2	273.1	247.0	223.8	203.5	180.1	154.8	128.3	102.6
57.5°	413.3	377.3	341.5	306.0	274.7	246.9	221.3	196.6	170.5	142.4	114.0
55°	463.6	424.9	382.5	342.5	304.0	271.0	240.1	212.5	185.7	156.3	123.8
52.5°	514.0	471.4	426.0	379.7	336.7	295.3	260.8	228.0	199.7	169.9	134.0
50°	566.7	517.9	469.2	419.2	369.2	323.9	280.8	245.8	213.3	182.8	143.6
47.5°	621.5	567.2	513.0	458.4	404.7	351.2	304.2	263.2	226.4	194.5	152.6
45°	681.6	618.0	558.0	499.0	438.3	380.7	327.9	279.9	241.3	203.6	160.9
42.5°	741.7	671.7	604.7	539.1	473.5	410.0	350.3	299.5	255.5	212.2	168.6
40°	805.6	725.6	651.3	580.1	507.9	437.8	375.1	318.6	268.8	221.3	175.8
37.5°	867.7	780.9	699.2	619.3	541.6	467.9	399.0	336.5	281.5	231.4	182.6
35°	933.5	836.4	743.5	658.7	576.3	496.5	421.4	354.6	296.1	241.3	189.1
32.5°	997.0	890.7	791.1	697.6	609.4	523.4	444.4	373.7	310.1	250.9	195.1
30°	1059.4	945.2	836.6	734.4	641.5	551.6	467.4	391.6	323.5	260.2	201.1
27.5°	1117.0	995.7	880.3	772.5	673.0	578.4	489.2	408.2	336.2	269.7	208.2
25°	1170.6	1044.2	923.4	809.1	702.2	603.8	509.3	423.6	349.2	279.7	214.7
22.5°	1220.9	1089.3	962.4	842.8	729.3	627.1	528.8	439.9	361.4	288.8	220.6
20°	1266.6	1129.9	997.4	873.4	755.7	649.2	547.6	454.6	372.3	297.2	226.0
17.5°	1307.8	1167.0	1030.7	901.9	780.2	668.9	564.4	467.5	382.0	304.6	230.7
15°	1346.0	1200.7	1060.2	926.9	801.5	686.1	578.9	478.6	390.2	311.0	235.2
12.5°	1378.9	1229.7	1085.2	948.0	819.4	700.6	591.2	488.0	397.0	316.8	239.5
10°	1406.0	1253.6	1105.6	965.4	833.9	712.4	601.2	495.8	403.4	321.8	242.7
7.5°	1427.0	1272.3	1121.3	978.7	845.4	722.3	609.7	502.6	408.6	325.7	245.0
5°	1443.0	1286.9	1135.0	989.9	855.9	730.3	615.9	507.5	412.4	328.4	246.3
2.5°	1457.2	1297.9	1145.8	997.2	863.1	735.5	619.7	510.4	414.6	329.8	246.6
0°	1465.2	1303.2	1151.7	1000.3	866.8	737.8	620.9	511.4	415.4	329.9	245.9
-2.5°	1457.2	1297.9	1145.8	997.2	863.1	735.5	619.7	510.4	414.6	329.8	246.6
-5°	1443.0	1286.9	1135.0	989.9	855.9	730.3	615.9	507.5	412.4	328.4	246.3
-7.5°	1427.0	1272.3	1121.3	978.7	845.4	722.3	609.7	502.6	408.6	325.7	245.0
-10°	1406.0	1253.6	1105.6	965.4	833.9	712.4	601.2	495.8	403.4	321.8	242.7
-12.5°	1378.9	1229.7	1085.2	948.0	819.4	700.6	591.2	488.0	397.0	316.8	239.5
-15°	1346.0	1200.7	1060.2	926.9	801.5	686.1	578.9	478.6	390.2	311.0	235.2
-17.5°	1307.8	1167.0	1030.7	901.9	780.2	668.9	564.4	467.5	382.0	304.6	230.7
-20°	1266.6	1129.9	997.4	873.4	755.7	649.2	547.6	454.6	372.3	297.2	226.0

Classified

Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-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°	1220.9	1089.3	962.4	842.8	729.3	627.1	528.8	439.9	361.4	288.8	220.6
-25°	1170.6	1044.2	923.4	809.1	702.2	603.8	509.3	423.6	349.2	279.7	214.7
-27.5°	1117.0	995.7	880.3	772.5	673.0	578.4	489.2	408.2	336.2	269.7	208.2
-30°	1059.4	945.2	836.6	734.4	641.5	551.6	467.4	391.6	323.5	260.2	201.1
-32.5°	997.0	890.7	791.1	697.6	609.4	523.4	444.4	373.7	310.1	250.9	195.1
-35°	933.5	836.4	743.5	658.7	576.3	496.5	421.4	354.6	296.1	241.3	189.1
-37.5°	867.7	780.9	699.2	619.3	541.6	467.9	399.0	336.5	281.5	231.4	182.6
-40°	805.6	725.6	651.3	580.1	507.9	437.8	375.1	318.6	268.8	221.3	175.8
-42.5°	741.7	671.7	604.7	539.1	473.5	410.0	350.3	299.5	255.5	212.2	168.6
-45°	681.6	618.0	558.0	499.0	438.3	380.7	327.9	279.9	241.3	203.6	160.9
-47.5°	621.5	567.2	513.0	458.4	404.7	351.2	304.2	263.2	226.4	194.5	152.6
-50°	566.7	517.9	469.2	419.2	369.2	323.9	280.8	245.8	213.3	182.8	143.6
-52.5°	514.0	471.4	426.0	379.7	336.7	295.3	260.8	228.0	199.7	169.9	134.0
-55°	463.6	424.9	382.5	342.5	304.0	271.0	240.1	212.5	185.7	156.3	123.8
-57.5°	413.3	377.3	341.5	306.0	274.7	246.9	221.3	196.6	170.5	142.4	114.0
-60°	363.7	333.0	301.2	273.1	247.0	223.8	203.5	180.1	154.8	128.3	102.6
-62.5°	316.5	289.6	265.6	241.6	220.3	202.0	185.2	162.6	138.7	113.9	90.4
-65°	271.6	250.5	230.3	211.5	194.4	179.4	165.4	144.8	121.6	99.0	78.2
-67.5°	228.1	212.3	196.4	181.1	168.6	156.5	144.6	125.0	103.7	83.6	66.4
-70°	188.7	175.3	163.4	153.2	143.2	133.0	120.7	103.8	85.2	69.3	54.4
-72.5°	149.8	140.9	133.0	125.5	117.2	107.4	96.2	82.5	68.2	54.7	42.0
-75°	111.5	107.8	103.8	98.5	90.8	82.1	73.3	62.7	50.9	39.8	31.7
-77.5°	80.9	78.6	75.7	72.5	66.6	59.6	51.6	42.5	34.8	28.6	22.1
-80°	53.5	52.9	51.6	49.2	43.6	37.3	32.5	27.6	22.7	17.7	12.4
-82.5°	29.6	29.9	29.9	29.0	25.6	22.0	18.3	14.4	10.6	6.8	5.4
-85°	14.2	13.8	13.1	11.9	9.3	6.7	5.9	5.1	4.6	4.1	3.6
-87.5°	4.3	4.3	4.3	4.3	3.8	3.4	2.9	2.5	2.3	2.1	1.8
-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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REPORT NUMBER: P626831 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-722-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°	1.6	1.3	1.0	0.8	0.5	0.2	0.0
85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
82.5°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
80°	7.0	5.2	4.1	3.1	2.1	0.9	0.0
77.5°	15.2	8.1	5.2	3.9	2.6	1.1	0.0
75°	23.3	14.0	6.7	4.6	3.1	1.4	0.0
72.5°	31.1	19.8	10.7	5.4	3.6	1.6	0.0
70°	38.8	25.3	14.6	6.5	4.0	1.8	0.0
67.5°	48.2	30.6	18.3	8.9	4.5	2.0	0.0
65°	57.1	36.6	21.9	11.2	4.9	2.2	0.0
62.5°	65.6	43.1	25.2	13.4	5.4	2.4	0.0
60°	73.6	49.2	28.4	15.4	5.8	2.6	0.0
57.5°	82.0	55.0	32.6	17.4	7.0	2.8	0.0
55°	90.0	60.4	36.6	19.2	8.1	2.9	0.0
52.5°	97.4	65.5	40.4	20.9	9.2	3.1	0.0
50°	104.2	71.0	43.8	22.4	10.2	3.3	0.0
47.5°	110.5	75.9	47.0	24.0	11.2	3.4	0.0
45°	117.6	80.4	49.8	26.1	12.2	3.6	0.0
42.5°	124.0	84.4	52.3	28.0	13.1	3.7	0.0
40°	129.9	87.8	54.8	29.9	13.9	3.8	0.0
37.5°	135.1	90.8	57.3	31.8	14.7	3.9	0.0
35°	139.8	94.2	59.4	33.6	15.5	4.0	0.0
32.5°	144.1	97.7	61.2	35.2	16.2	4.1	0.0
30°	148.5	100.6	62.6	36.7	16.8	4.2	0.0
27.5°	152.5	103.0	64.8	38.1	17.3	4.3	0.0
25°	156.0	104.9	66.8	39.3	17.8	4.4	0.0
22.5°	159.1	106.9	68.6	40.4	18.3	4.4	0.0
20°	161.6	109.5	70.1	41.3	18.7	4.5	0.0
17.5°	164.7	111.7	71.4	42.1	19.0	4.5	0.0
15°	167.9	113.4	72.4	42.7	19.2	4.5	0.0
12.5°	170.5	114.6	73.2	43.2	19.4	4.6	0.0
10°	172.6	115.4	73.7	43.6	19.6	4.6	0.0
7.5°	173.9	115.7	74.0	43.8	19.6	4.6	0.0
5°	174.6	115.5	74.1	43.8	19.6	4.5	0.0
2.5°	174.7	115.0	73.9	43.7	19.6	4.5	0.0
0°	174.0	114.0	73.5	43.5	19.5	4.5	0.0
-2.5°	174.7	115.0	73.9	43.7	19.6	4.5	0.0
-5°	174.6	115.5	74.1	43.8	19.6	4.5	0.0
-7.5°	173.9	115.7	74.0	43.8	19.6	4.6	0.0
-10°	172.6	115.4	73.7	43.6	19.6	4.6	0.0
-12.5°	170.5	114.6	73.2	43.2	19.4	4.6	0.0
-15°	167.9	113.4	72.4	42.7	19.2	4.5	0.0
-17.5°	164.7	111.7	71.4	42.1	19.0	4.5	0.0
-20°	161.6	109.5	70.1	41.3	18.7	4.5	0.0

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CATALOG NUMBER: GFLD-SA2B-722-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	159.1	106.9	68.6	40.4	18.3	4.4	0.0
-25°	156.0	104.9	66.8	39.3	17.8	4.4	0.0
-27.5°	152.5	103.0	64.8	38.1	17.3	4.3	0.0
-30°	148.5	100.6	62.6	36.7	16.8	4.2	0.0
-32.5°	144.1	97.7	61.2	35.2	16.2	4.1	0.0
-35°	139.8	94.2	59.4	33.6	15.5	4.0	0.0
-37.5°	135.1	90.8	57.3	31.8	14.7	3.9	0.0
-40°	129.9	87.8	54.8	29.9	13.9	3.8	0.0
-42.5°	124.0	84.4	52.3	28.0	13.1	3.7	0.0
-45°	117.6	80.4	49.8	26.1	12.2	3.6	0.0
-47.5°	110.5	75.9	47.0	24.0	11.2	3.4	0.0
-50°	104.2	71.0	43.8	22.4	10.2	3.3	0.0
-52.5°	97.4	65.5	40.4	20.9	9.2	3.1	0.0
-55°	90.0	60.4	36.6	19.2	8.1	2.9	0.0
-57.5°	82.0	55.0	32.6	17.4	7.0	2.8	0.0
-60°	73.6	49.2	28.4	15.4	5.8	2.6	0.0
-62.5°	65.6	43.1	25.2	13.4	5.4	2.4	0.0
-65°	57.1	36.6	21.9	11.2	4.9	2.2	0.0
-67.5°	48.2	30.6	18.3	8.9	4.5	2.0	0.0
-70°	38.8	25.3	14.6	6.5	4.0	1.8	0.0
-72.5°	31.1	19.8	10.7	5.4	3.6	1.6	0.0
-75°	23.3	14.0	6.7	4.6	3.1	1.4	0.0
-77.5°	15.2	8.1	5.2	3.9	2.6	1.1	0.0
-80°	7.0	5.2	4.1	3.1	2.1	0.9	0.0
-82.5°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
-85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-87.5°	1.6	1.3	1.0	0.8	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)