

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-727-U-WR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-727-U-WR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N115  
Light Source: (80) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

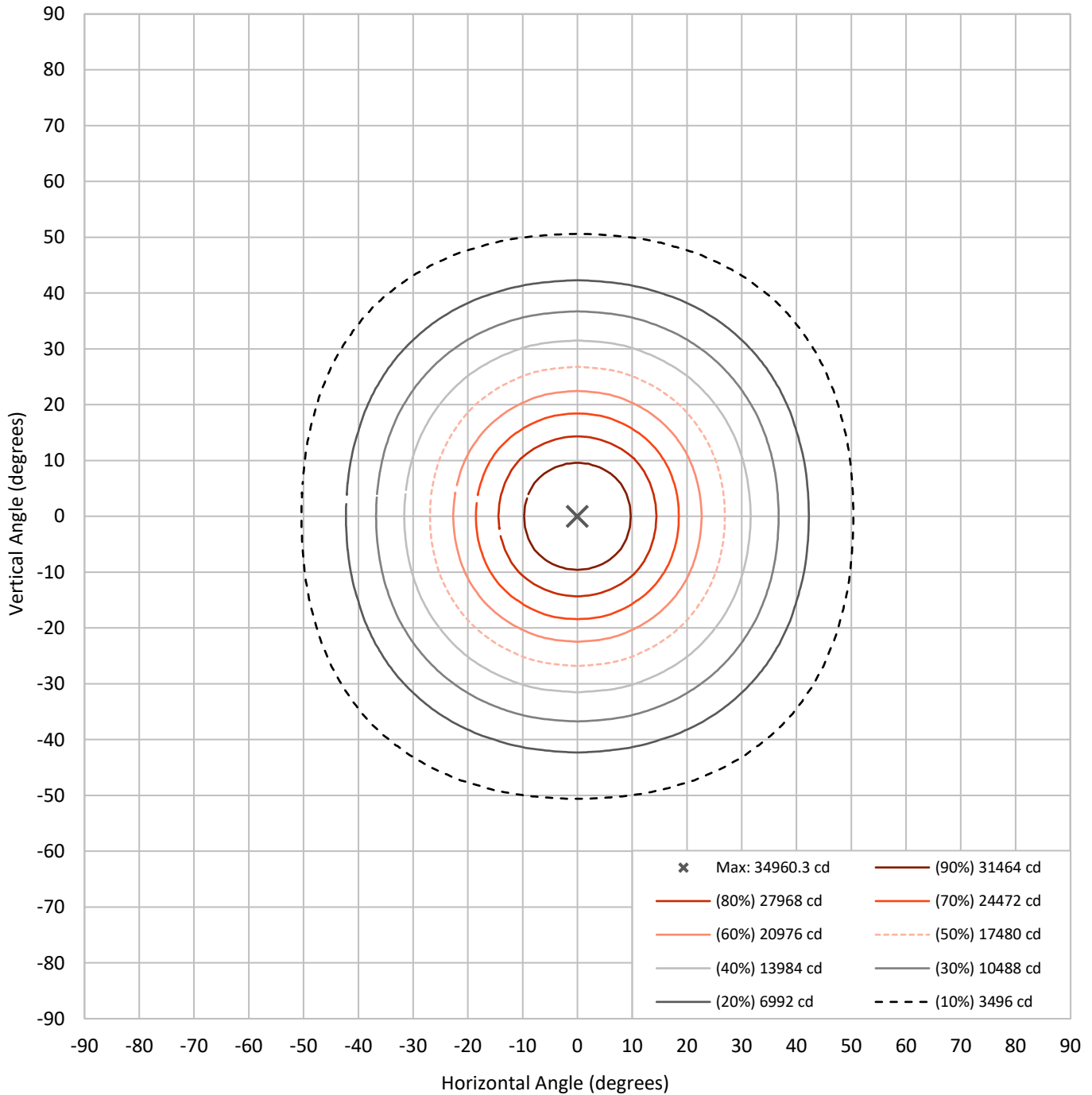
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	35581.4 lumens	Max Intensity:	34960.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	113.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	17012.9 lumens	Field Lumens:	31401.8 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	313.7		
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





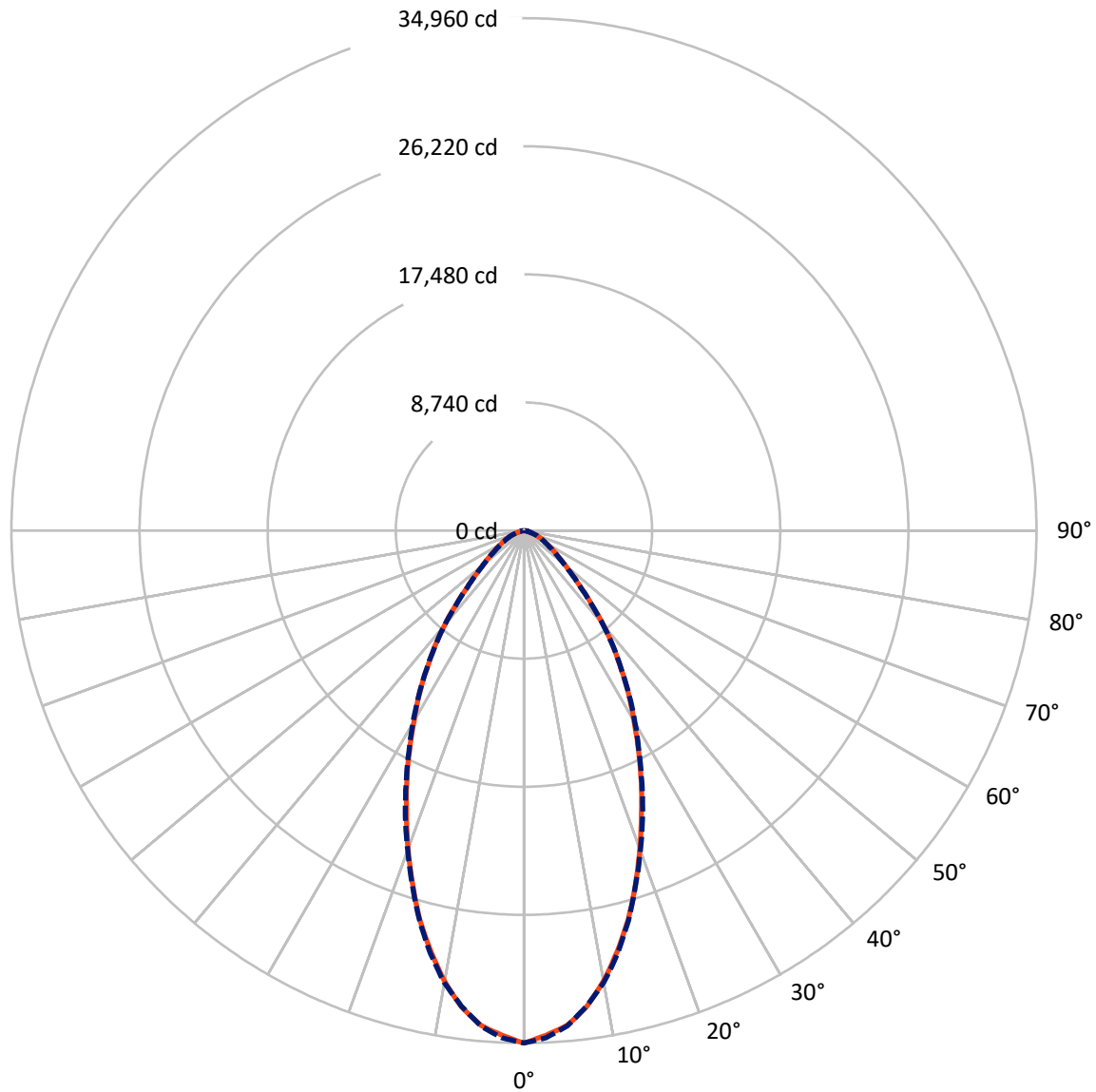
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### Lumen Table

90																			
80	1.4	9.8		22.4		37.2		31.9		37.2		22.4		9.8		1.4			
70	4.6	5.4	10.2	16.4	23.7	30.8	36.2	38.7	38.7	36.2	30.8	23.7	16.4	10.2	5.4	4.6			
60		7.7	15.4	26.7	41.0	56.3	70.3	78.4	78.4	70.3	56.3	41.0	26.7	15.4	7.7				
50	6.8	9.8	21.3	39.8	67.2	103.3	142.4	168.5	168.5	142.4	103.3	67.2	39.8	21.3	9.8	6.8			
40		11.9	27.9	57.9	112.8	200.2	290.9	345.1	345.1	290.9	200.2	112.8	57.9	27.9	11.9				
30	8.1	13.9	34.8	81.1	182.3	327.7	468.9	560.5	560.5	468.9	327.7	182.3	81.1	34.8	13.9	8.1			
20		15.5	40.8	105.2	248.8	442.5	653.3	803.7	803.7	653.3	442.5	248.8	105.2	40.8	15.5				
10	8.5	16.2	44.2	120.8	286.5	514.5	782.9	984.5	984.5	782.9	514.5	286.5	120.8	44.2	16.2	8.5			
0		16.2	44.2	120.8	286.5	514.5	782.9	984.5	984.5	782.9	514.5	286.5	120.8	44.2	16.2				
-10	8.1	15.5	40.8	105.2	248.8	442.5	653.3	803.7	803.7	653.3	442.5	248.8	105.2	40.8	15.5	8.1			
-20		13.9	34.8	81.1	182.3	327.7	468.9	560.5	560.5	468.9	327.7	182.3	81.1	34.8	13.9				
-30	6.8	11.9	27.9	57.9	112.8	200.2	290.9	345.1	345.1	290.9	200.2	112.8	57.9	27.9	11.9	6.8			
-40		9.8	21.3	39.8	67.2	103.3	142.4	168.5	168.5	142.4	103.3	67.2	39.8	21.3	9.8				
-50	4.6	7.7	15.4	26.7	41.0	56.3	70.3	78.4	78.4	70.3	56.3	41.0	26.7	15.4	7.7	4.6			
-60		5.4	10.2	16.4	23.7	30.8	36.2	38.7	38.7	36.2	30.8	23.7	16.4	10.2	5.4				
-70																			
-80	1.4	9.8		22.4		37.2		31.9		37.2		22.4		9.8		1.4			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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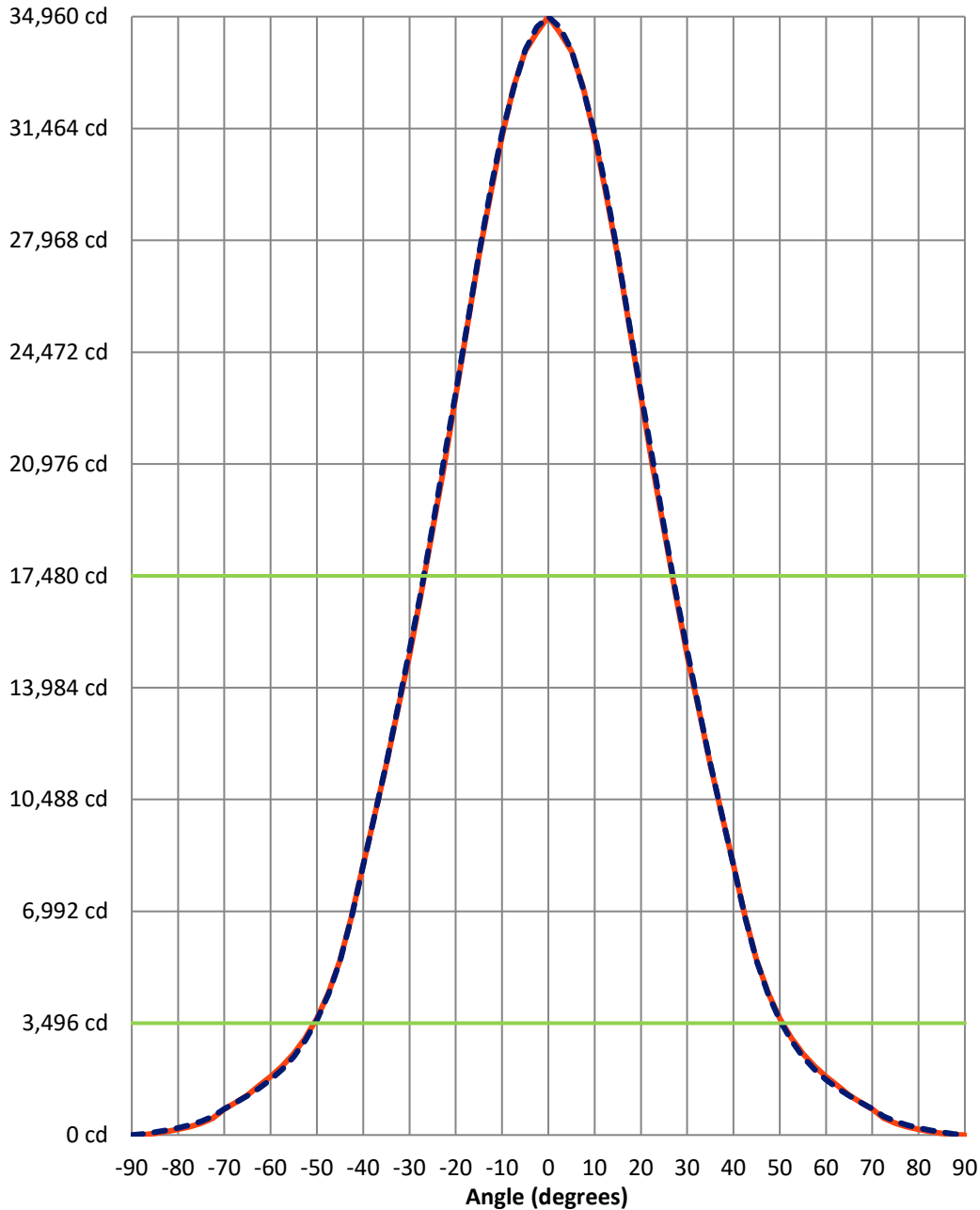
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.8°  
 V Angle: 53.6°  
 Lumens: 17012.9  
 Efficiency: 47.8%

**Field:**  
 H Angle: 100.8°  
 V Angle: 101.2°  
 Lumens: 31401.8  
 Efficiency: 88.3%

**Spill:**  
 Lumens: 4179.5  
 Efficiency: 11.7%

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

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Scaled Data Report



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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	1.8	4.1	6.7	9.6	13.0	16.6	18.4	19.9	21.0	21.9
85°	0.0	3.5	8.2	13.3	19.2	25.9	33.1	36.8	39.7	42.1	43.9
82.5°	0.0	5.3	12.2	20.0	28.8	38.7	49.6	55.2	60.8	70.5	79.0
80°	0.0	7.1	16.2	26.5	38.2	51.3	67.3	83.7	97.9	110.6	121.9
77.5°	0.0	8.8	20.2	33.0	47.5	66.8	96.1	117.3	135.0	150.8	166.6
75°	0.0	10.5	24.0	39.3	57.5	87.3	124.1	150.8	172.0	193.5	216.6
72.5°	0.0	12.2	27.8	45.6	71.3	107.2	151.2	183.7	209.2	236.6	265.8
70°	0.0	13.8	31.5	52.1	84.6	126.3	176.9	214.7	245.7	279.0	318.1
67.5°	0.0	15.4	35.1	60.2	97.3	144.6	199.2	245.1	281.5	322.8	369.7
65°	0.0	17.0	38.6	67.9	109.4	161.4	220.4	274.8	316.9	365.0	418.5
62.5°	0.0	18.5	42.0	75.3	120.8	176.7	240.4	303.0	350.8	405.5	464.0
60°	0.0	20.0	45.2	82.2	131.4	191.1	259.1	329.7	383.1	444.7	508.0
57.5°	0.0	21.4	49.1	88.7	141.3	204.5	276.1	353.8	415.9	482.5	548.6
55°	0.0	22.7	52.9	94.6	150.5	216.9	291.8	372.9	447.9	518.7	587.4
52.5°	0.0	24.0	56.6	100.1	158.9	228.2	306.1	393.8	478.6	553.3	625.5
50°	0.0	25.3	60.1	105.0	166.6	238.6	319.1	413.4	508.2	587.0	667.1
47.5°	0.0	26.4	63.4	109.5	173.5	248.0	331.2	431.2	537.5	619.8	708.0
45°	0.0	27.5	66.5	114.0	179.5	256.3	344.7	447.2	558.5	655.3	747.6
42.5°	0.0	28.6	69.5	117.9	184.7	263.5	356.8	463.0	577.7	689.5	788.6
40°	0.0	29.5	72.3	122.2	189.4	269.6	367.4	478.2	596.7	721.3	828.2
37.5°	0.0	30.4	74.9	126.6	193.6	274.6	376.5	492.0	617.5	746.4	865.8
35°	0.0	31.2	77.3	130.7	197.0	280.2	384.0	504.3	637.5	774.0	904.2
32.5°	0.0	32.0	79.5	134.4	199.6	285.6	390.9	515.1	656.5	802.0	943.6
30°	0.0	32.6	81.5	137.7	201.5	289.7	398.6	525.6	674.4	830.3	980.7
27.5°	0.0	33.2	83.3	140.6	205.7	292.7	404.9	538.6	693.2	858.6	1015.4
25°	0.0	33.7	84.9	143.2	209.9	294.4	409.8	550.3	714.1	886.5	1047.9
22.5°	0.0	34.1	86.2	145.4	213.6	296.7	413.2	560.5	734.1	912.0	1083.3
20°	0.0	34.5	87.4	147.2	216.7	302.1	415.2	569.2	752.9	934.9	1115.1
17.5°	0.0	34.8	88.3	148.6	219.3	306.5	419.9	576.2	770.2	955.2	1143.0
15°	0.0	35.0	89.1	149.7	221.4	310.0	425.5	582.8	785.8	972.7	1167.0
12.5°	0.0	35.1	89.6	150.4	223.0	312.5	429.5	588.8	799.0	987.2	1187.0
10°	0.0	35.1	89.9	150.7	224.0	314.1	432.1	592.1	809.3	999.4	1203.1
7.5°	0.0	35.1	90.0	150.6	224.4	314.8	433.1	592.8	816.5	1008.8	1215.7
5°	0.0	35.0	89.9	150.2	224.3	314.5	432.7	591.1	820.4	1015.1	1224.1
2.5°	0.0	34.8	89.5	149.4	223.6	313.3	430.8	587.0	821.0	1018.3	1228.2
0°	0.0	34.6	89.0	148.3	222.4	311.3	427.5	580.7	817.9	1018.0	1228.0
-2.5°	0.0	34.8	89.5	149.4	223.6	313.3	430.8	587.0	821.0	1018.3	1228.2
-5°	0.0	35.0	89.9	150.2	224.3	314.5	432.7	591.1	820.4	1015.1	1224.1
-7.5°	0.0	35.1	90.0	150.6	224.4	314.8	433.1	592.8	816.5	1008.8	1215.7
-10°	0.0	35.1	89.9	150.7	224.0	314.1	432.1	592.1	809.3	999.4	1203.1
-12.5°	0.0	35.1	89.6	150.4	223.0	312.5	429.5	588.8	799.0	987.2	1187.0
-15°	0.0	35.0	89.1	149.7	221.4	310.0	425.5	582.8	785.8	972.7	1167.0
-17.5°	0.0	34.8	88.3	148.6	219.3	306.5	419.9	576.2	770.2	955.2	1143.0
-20°	0.0	34.5	87.4	147.2	216.7	302.1	415.2	569.2	752.9	934.9	1115.1



REPORT NUMBER: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	34.1	86.2	145.4	213.6	296.7	413.2	560.5	734.1	912.0	1083.3
-25°	0.0	33.7	84.9	143.2	209.9	294.4	409.8	550.3	714.1	886.5	1047.9
-27.5°	0.0	33.2	83.3	140.6	205.7	292.7	404.9	538.6	693.2	858.6	1015.4
-30°	0.0	32.6	81.5	137.7	201.5	289.7	398.6	525.6	674.4	830.3	980.7
-32.5°	0.0	32.0	79.5	134.4	199.6	285.6	390.9	515.1	656.5	802.0	943.6
-35°	0.0	31.2	77.3	130.7	197.0	280.2	384.0	504.3	637.5	774.0	904.2
-37.5°	0.0	30.4	74.9	126.6	193.6	274.6	376.5	492.0	617.5	746.4	865.8
-40°	0.0	29.5	72.3	122.2	189.4	269.6	367.4	478.2	596.7	721.3	828.2
-42.5°	0.0	28.6	69.5	117.9	184.7	263.5	356.8	463.0	577.7	689.5	788.6
-45°	0.0	27.5	66.5	114.0	179.5	256.3	344.7	447.2	558.5	655.3	747.6
-47.5°	0.0	26.4	63.4	109.5	173.5	248.0	331.2	431.2	537.5	619.8	708.0
-50°	0.0	25.3	60.1	105.0	166.6	238.6	319.1	413.4	508.2	587.0	667.1
-52.5°	0.0	24.0	56.6	100.1	158.9	228.2	306.1	393.8	478.6	553.3	625.5
-55°	0.0	22.7	52.9	94.6	150.5	216.9	291.8	372.9	447.9	518.7	587.4
-57.5°	0.0	21.4	49.1	88.7	141.3	204.5	276.1	353.8	415.9	482.5	548.6
-60°	0.0	20.0	45.2	82.2	131.4	191.1	259.1	329.7	383.1	444.7	508.0
-62.5°	0.0	18.5	42.0	75.3	120.8	176.7	240.4	303.0	350.8	405.5	464.0
-65°	0.0	17.0	38.6	67.9	109.4	161.4	220.4	274.8	316.9	365.0	418.5
-67.5°	0.0	15.4	35.1	60.2	97.3	144.6	199.2	245.1	281.5	322.8	369.7
-70°	0.0	13.8	31.5	52.1	84.6	126.3	176.9	214.7	245.7	279.0	318.1
-72.5°	0.0	12.2	27.8	45.6	71.3	107.2	151.2	183.7	209.2	236.6	265.8
-75°	0.0	10.5	24.0	39.3	57.5	87.3	124.1	150.8	172.0	193.5	216.6
-77.5°	0.0	8.8	20.2	33.0	47.5	66.8	96.1	117.3	135.0	150.8	166.6
-80°	0.0	7.1	16.2	26.5	38.2	51.3	67.3	83.7	97.9	110.6	121.9
-82.5°	0.0	5.3	12.2	20.0	28.8	38.7	49.6	55.2	60.8	70.5	79.0
-85°	0.0	3.5	8.2	13.3	19.2	25.9	33.1	36.8	39.7	42.1	43.9
-87.5°	0.0	1.8	4.1	6.7	9.6	13.0	16.6	18.4	19.9	21.0	21.9
-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°	22.3	22.3	21.9	21.3	20.3	19.1	17.5	15.7	16.4	17.0	17.6
85°	44.6	44.6	48.3	51.7	53.3	53.5	52.4	50.1	56.6	64.1	72.0
82.5°	87.0	94.5	101.7	108.4	109.1	107.3	104.1	100.2	113.4	129.4	146.1
80°	133.3	144.4	157.3	169.3	172.1	170.9	167.2	161.1	178.5	203.1	229.7
77.5°	185.1	202.7	219.2	234.4	238.7	238.1	235.3	230.4	252.5	286.7	322.1
75°	239.6	261.0	282.2	300.8	308.8	309.4	308.5	313.7	342.9	382.8	418.1
72.5°	296.5	323.7	347.6	368.1	380.9	390.6	403.6	419.5	448.9	488.2	522.7
70°	356.6	386.8	412.0	434.7	454.3	475.6	503.0	530.1	561.2	600.3	636.3
67.5°	415.9	446.5	474.9	502.9	538.6	572.8	606.8	642.3	681.4	722.6	758.9
65°	470.9	505.5	540.2	580.8	627.2	665.9	707.9	754.1	805.4	851.7	893.8
62.5°	523.6	562.6	605.6	654.6	704.9	753.5	809.8	869.0	929.0	987.0	1044.6
60°	568.1	616.8	668.9	724.3	782.3	848.4	914.4	984.9	1056.5	1126.4	1197.6
57.5°	610.9	671.1	731.2	795.7	868.1	943.6	1022.9	1102.2	1187.8	1272.4	1353.3
55°	655.4	726.3	794.7	871.1	954.0	1042.8	1132.3	1228.5	1323.0	1429.5	1527.8
52.5°	702.9	780.0	860.4	947.9	1044.7	1144.8	1249.7	1360.0	1477.7	1596.1	1716.2
50°	749.2	836.2	925.6	1030.3	1138.6	1252.9	1374.1	1502.6	1639.6	1776.7	1922.0
47.5°	797.7	890.5	999.7	1113.4	1237.4	1367.6	1504.8	1657.6	1809.9	1982.5	2149.2
45°	845.5	952.1	1070.7	1202.8	1339.0	1485.5	1648.7	1816.6	2010.9	2205.9	2424.9
42.5°	891.3	1014.4	1148.2	1289.4	1444.3	1612.7	1793.4	2004.5	2223.6	2464.9	2721.9
40°	944.1	1073.8	1224.5	1382.4	1550.3	1742.8	1960.2	2194.5	2461.8	2747.7	3039.7
37.5°	995.1	1140.9	1299.9	1471.1	1666.0	1882.8	2122.8	2410.0	2718.5	3043.4	3440.7
35°	1043.1	1204.8	1377.5	1565.0	1776.2	2027.4	2314.4	2631.8	2987.2	3406.3	3869.9
32.5°	1094.0	1265.2	1450.7	1661.2	1900.2	2174.6	2500.6	2874.2	3294.8	3772.1	4352.1
30°	1145.3	1327.5	1523.5	1751.2	2017.1	2334.6	2705.1	3118.0	3601.9	4200.5	4881.3
27.5°	1192.7	1385.6	1600.3	1846.6	2130.8	2482.2	2901.5	3385.6	3955.7	4632.1	5427.5
25°	1236.3	1438.5	1671.0	1937.5	2256.1	2641.6	3096.2	3632.3	4309.6	5116.3	6094.8
22.5°	1277.9	1486.8	1734.8	2019.1	2369.1	2795.8	3307.5	3920.9	4669.7	5575.0	6748.4
20°	1316.8	1539.0	1798.2	2097.3	2470.0	2935.0	3501.8	4190.4	5042.5	6114.2	7389.4
17.5°	1351.1	1585.0	1858.2	2181.8	2582.5	3076.6	3685.0	4428.2	5374.3	6595.7	7980.8
15°	1380.5	1624.7	1910.1	2255.0	2683.8	3217.3	3877.3	4689.1	5720.4	7033.5	8500.2
12.5°	1405.0	1657.9	1953.7	2316.6	2768.9	3336.2	4041.6	4921.6	6057.5	7446.0	8956.1
10°	1424.5	1684.5	1988.9	2366.3	2837.6	3432.8	4176.9	5111.8	6338.0	7799.6	9341.8
7.5°	1440.8	1705.3	2015.8	2404.0	2889.5	3506.6	4282.2	5258.6	6557.3	8079.5	9637.8
5°	1452.4	1720.2	2036.2	2430.4	2927.6	3558.1	4355.9	5361.2	6713.3	8282.4	9840.2
2.5°	1459.0	1728.3	2047.9	2444.4	2951.0	3587.2	4394.6	5425.6	6799.0	8398.1	9962.5
0°	1460.3	1729.6	2050.8	2446.2	2957.6	3592.6	4400.6	5445.8	6817.1	8428.1	10007.0
-2.5°	1459.0	1728.3	2047.9	2444.4	2951.0	3587.2	4394.6	5425.6	6799.0	8398.1	9962.5
-5°	1452.4	1720.2	2036.2	2430.4	2927.6	3558.1	4355.9	5361.2	6713.3	8282.4	9840.2
-7.5°	1440.8	1705.3	2015.8	2404.0	2889.5	3506.6	4282.2	5258.6	6557.3	8079.5	9637.8
-10°	1424.5	1684.5	1988.9	2366.3	2837.6	3432.8	4176.9	5111.8	6338.0	7799.6	9341.8
-12.5°	1405.0	1657.9	1953.7	2316.6	2768.9	3336.2	4041.6	4921.6	6057.5	7446.0	8956.1
-15°	1380.5	1624.7	1910.1	2255.0	2683.8	3217.3	3877.3	4689.1	5720.4	7033.5	8500.2
-17.5°	1351.1	1585.0	1858.2	2181.8	2582.5	3076.6	3685.0	4428.2	5374.3	6595.7	7980.8
-20°	1316.8	1539.0	1798.2	2097.3	2470.0	2935.0	3501.8	4190.4	5042.5	6114.2	7389.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1277.9	1486.8	1734.8	2019.1	2369.1	2795.8	3307.5	3920.9	4669.7	5575.0	6748.4
-25°	1236.3	1438.5	1671.0	1937.5	2256.1	2641.6	3096.2	3632.3	4309.6	5116.3	6094.8
-27.5°	1192.7	1385.6	1600.3	1846.6	2130.8	2482.2	2901.5	3385.6	3955.7	4632.1	5427.5
-30°	1145.3	1327.5	1523.5	1751.2	2017.1	2334.6	2705.1	3118.0	3601.9	4200.5	4881.3
-32.5°	1094.0	1265.2	1450.7	1661.2	1900.2	2174.6	2500.6	2874.2	3294.8	3772.1	4352.1
-35°	1043.1	1204.8	1377.5	1565.0	1776.2	2027.4	2314.4	2631.8	2987.2	3406.3	3869.9
-37.5°	995.1	1140.9	1299.9	1471.1	1666.0	1882.8	2122.8	2410.0	2718.5	3043.4	3440.7
-40°	944.1	1073.8	1224.5	1382.4	1550.3	1742.8	1960.2	2194.5	2461.8	2747.7	3039.7
-42.5°	891.3	1014.4	1148.2	1289.4	1444.3	1612.7	1793.4	2004.5	2223.6	2464.9	2721.9
-45°	845.5	952.1	1070.7	1202.8	1339.0	1485.5	1648.7	1816.6	2010.9	2205.9	2424.9
-47.5°	797.7	890.5	999.7	1113.4	1237.4	1367.6	1504.8	1657.6	1809.9	1982.5	2149.2
-50°	749.2	836.2	925.6	1030.3	1138.6	1252.9	1374.1	1502.6	1639.6	1776.7	1922.0
-52.5°	702.9	780.0	860.4	947.9	1044.7	1144.8	1249.7	1360.0	1477.7	1596.1	1716.2
-55°	655.4	726.3	794.7	871.1	954.0	1042.8	1132.3	1228.5	1323.0	1429.5	1527.8
-57.5°	610.9	671.1	731.2	795.7	868.1	943.6	1022.9	1102.2	1187.8	1272.4	1353.3
-60°	568.1	616.8	668.9	724.3	782.3	848.4	914.4	984.9	1056.5	1126.4	1197.6
-62.5°	523.6	562.6	605.6	654.6	704.9	753.5	809.8	869.0	929.0	987.0	1044.6
-65°	470.9	505.5	540.2	580.8	627.2	665.9	707.9	754.1	805.4	851.7	893.8
-67.5°	415.9	446.5	474.9	502.9	538.6	572.8	606.8	642.3	681.4	722.6	758.9
-70°	356.6	386.8	412.0	434.7	454.3	475.6	503.0	530.1	561.2	600.3	636.3
-72.5°	296.5	323.7	347.6	368.1	380.9	390.6	403.6	419.5	448.9	488.2	522.7
-75°	239.6	261.0	282.2	300.8	308.8	309.4	308.5	313.7	342.9	382.8	418.1
-77.5°	185.1	202.7	219.2	234.4	238.7	238.1	235.3	230.4	252.5	286.7	322.1
-80°	133.3	144.4	157.3	169.3	172.1	170.9	167.2	161.1	178.5	203.1	229.7
-82.5°	87.0	94.5	101.7	108.4	109.1	107.3	104.1	100.2	113.4	129.4	146.1
-85°	44.6	44.6	48.3	51.7	53.3	53.5	52.4	50.1	56.6	64.1	72.0
-87.5°	22.3	22.3	21.9	21.3	20.3	19.1	17.5	15.7	16.4	17.0	17.6
-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: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-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°	18.2	17.7	17.1	16.4	15.7	15.4	15.1	14.7	14.3	13.3	12.2
85°	80.4	82.2	83.1	83.6	83.6	86.3	88.8	91.1	93.1	84.4	74.8
82.5°	163.4	171.1	177.8	184.5	191.0	195.6	199.1	201.6	203.2	183.9	162.3
80°	257.2	273.3	286.6	299.4	311.6	314.6	314.6	312.9	309.5	283.2	253.4
77.5°	357.7	378.8	395.5	412.1	428.4	434.4	437.3	439.6	441.1	408.5	368.4
75°	448.8	474.0	497.4	519.2	539.2	549.9	556.1	561.3	565.2	532.5	489.5
72.5°	552.8	579.4	604.8	628.9	650.1	664.2	673.4	681.0	687.0	668.3	641.4
70°	667.1	694.6	721.4	746.5	770.5	789.5	804.4	817.2	827.9	830.0	829.1
67.5°	794.0	826.5	858.4	885.7	914.3	941.0	964.5	984.1	999.7	1010.0	1015.8
65°	936.5	985.4	1028.9	1065.8	1096.7	1132.3	1163.8	1187.9	1204.9	1217.7	1228.8
62.5°	1104.3	1163.6	1213.4	1262.5	1313.3	1362.6	1393.4	1424.4	1454.6	1483.1	1507.5
60°	1265.9	1330.9	1398.3	1461.1	1519.2	1572.7	1628.0	1677.0	1720.0	1755.9	1782.6
57.5°	1438.1	1517.2	1593.8	1673.6	1748.6	1818.6	1886.9	1950.0	2004.5	2050.4	2087.9
55°	1625.0	1721.7	1812.8	1914.0	2012.1	2101.6	2183.9	2268.4	2344.5	2411.4	2464.6
52.5°	1826.5	1952.3	2072.9	2191.7	2318.8	2433.6	2536.3	2653.4	2757.2	2843.0	2909.8
50°	2067.0	2214.8	2374.0	2521.3	2681.7	2839.7	2985.4	3126.4	3264.4	3383.8	3480.3
47.5°	2341.0	2522.9	2720.1	2915.3	3114.4	3330.4	3523.1	3702.2	3895.1	4062.6	4196.9
45°	2645.4	2877.4	3115.5	3390.0	3642.9	3920.3	4177.1	4407.7	4681.3	4922.3	5116.3
42.5°	2983.2	3292.2	3605.4	3951.2	4286.5	4638.8	5012.9	5344.8	5707.6	6053.6	6333.1
40°	3401.9	3771.3	4190.7	4609.2	5090.7	5543.1	6088.0	6583.3	7033.1	7445.6	7783.6
37.5°	3867.2	4342.6	4869.7	5414.7	6073.6	6719.3	7357.3	7959.6	8491.3	8942.8	9321.5
35°	4395.4	4999.5	5637.9	6433.6	7205.5	7979.0	8699.5	9357.8	9936.2	10445.5	10878.7
32.5°	5002.9	5728.0	6621.6	7515.5	8396.1	9247.7	10038.8	10756.8	11391.0	11962.9	12461.0
30°	5641.7	6631.0	7634.0	8614.7	9576.4	10509.2	11377.4	12168.2	12884.9	13521.6	14095.4
27.5°	6453.4	7549.8	8643.4	9700.6	10758.7	11779.5	12720.4	13599.0	14421.3	15140.9	15796.8
25°	7238.5	8449.8	9612.3	10765.0	11916.7	13012.7	14064.9	15057.1	15999.0	16824.8	17557.1
22.5°	8023.5	9291.3	10533.6	11773.0	13010.2	14232.1	15413.4	16550.3	17603.6	18544.0	19368.2
20°	8750.5	10075.8	11404.4	12740.5	14081.5	15419.1	16745.8	18025.2	19198.6	20284.4	21238.4
17.5°	9402.3	10811.8	12220.3	13649.5	15103.3	16555.3	18029.2	19463.4	20805.0	22040.3	23147.1
15°	9979.5	11450.3	12963.0	14505.2	16066.3	17643.3	19251.6	20856.2	22366.3	23769.4	25005.1
12.5°	10484.2	12013.3	13598.7	15237.4	16931.7	18649.8	20404.9	22163.8	23835.6	25455.5	26789.7
10°	10900.7	12492.1	14149.2	15871.0	17657.8	19506.9	21389.9	23283.3	25125.1	26843.5	28369.3
7.5°	11222.3	12873.3	14580.9	16371.7	18246.2	20196.1	22190.9	24200.1	26165.7	28017.3	29705.5
5°	11449.2	13150.7	14879.9	16742.7	18682.3	20703.0	22776.2	24870.0	26924.7	28871.6	30621.3
2.5°	11580.8	13317.4	15054.0	16968.1	18941.7	21009.6	23139.1	25267.3	27376.3	29395.6	31193.6
0°	11615.5	13367.4	15153.8	16992.1	19023.2	21153.1	23206.4	25341.2	27532.9	29524.4	31315.8
-2.5°	11580.8	13317.4	15054.0	16968.1	18941.7	21009.6	23139.1	25267.3	27376.3	29395.6	31193.6
-5°	11449.2	13150.7	14879.9	16742.7	18682.3	20703.0	22776.2	24870.0	26924.7	28871.6	30621.3
-7.5°	11222.3	12873.3	14580.9	16371.7	18246.2	20196.1	22190.9	24200.1	26165.7	28017.3	29705.5
-10°	10900.7	12492.1	14149.2	15871.0	17657.8	19506.9	21389.9	23283.3	25125.1	26843.5	28369.3
-12.5°	10484.2	12013.3	13598.7	15237.4	16931.7	18649.8	20404.9	22163.8	23835.6	25455.5	26789.7
-15°	9979.5	11450.3	12963.0	14505.2	16066.3	17643.3	19251.6	20856.2	22366.3	23769.4	25005.1
-17.5°	9402.3	10811.8	12220.3	13649.5	15103.3	16555.3	18029.2	19463.4	20805.0	22040.3	23147.1
-20°	8750.5	10075.8	11404.4	12740.5	14081.5	15419.1	16745.8	18025.2	19198.6	20284.4	21238.4



REPORT NUMBER: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8023.5	9291.3	10533.6	11773.0	13010.2	14232.1	15413.4	16550.3	17603.6	18544.0	19368.2
-25°	7238.5	8449.8	9612.3	10765.0	11916.7	13012.7	14064.9	15057.1	15999.0	16824.8	17557.1
-27.5°	6453.4	7549.8	8643.4	9700.6	10758.7	11779.5	12720.4	13599.0	14421.3	15140.9	15796.8
-30°	5641.7	6631.0	7634.0	8614.7	9576.4	10509.2	11377.4	12168.2	12884.9	13521.6	14095.4
-32.5°	5002.9	5728.0	6621.6	7515.5	8396.1	9247.7	10038.8	10756.8	11391.0	11962.9	12461.0
-35°	4395.4	4999.5	5637.9	6433.6	7205.5	7979.0	8699.5	9357.8	9936.2	10445.5	10878.7
-37.5°	3867.2	4342.6	4869.7	5414.7	6073.6	6719.3	7357.3	7959.6	8491.3	8942.8	9321.5
-40°	3401.9	3771.3	4190.7	4609.2	5090.7	5543.1	6088.0	6583.3	7033.1	7445.6	7783.6
-42.5°	2983.2	3292.2	3605.4	3951.2	4286.5	4638.8	5012.9	5344.8	5707.6	6053.6	6333.1
-45°	2645.4	2877.4	3115.5	3390.0	3642.9	3920.3	4177.1	4407.7	4681.3	4922.3	5116.3
-47.5°	2341.0	2522.9	2720.1	2915.3	3114.4	3330.4	3523.1	3702.2	3895.1	4062.6	4196.9
-50°	2067.0	2214.8	2374.0	2521.3	2681.7	2839.7	2985.4	3126.4	3264.4	3383.8	3480.3
-52.5°	1826.5	1952.3	2072.9	2191.7	2318.8	2433.6	2536.3	2653.4	2757.2	2843.0	2909.8
-55°	1625.0	1721.7	1812.8	1914.0	2012.1	2101.6	2183.9	2268.4	2344.5	2411.4	2464.6
-57.5°	1438.1	1517.2	1593.8	1673.6	1748.6	1818.6	1886.9	1950.0	2004.5	2050.4	2087.9
-60°	1265.9	1330.9	1398.3	1461.1	1519.2	1572.7	1628.0	1677.0	1720.0	1755.9	1782.6
-62.5°	1104.3	1163.6	1213.4	1262.5	1313.3	1362.6	1393.4	1424.4	1454.6	1483.1	1507.5
-65°	936.5	985.4	1028.9	1065.8	1096.7	1132.3	1163.8	1187.9	1204.9	1217.7	1228.8
-67.5°	794.0	826.5	858.4	885.7	914.3	941.0	964.5	984.1	999.7	1010.0	1015.8
-70°	667.1	694.6	721.4	746.5	770.5	789.5	804.4	817.2	827.9	830.0	829.1
-72.5°	552.8	579.4	604.8	628.9	650.1	664.2	673.4	681.0	687.0	668.3	641.4
-75°	448.8	474.0	497.4	519.2	539.2	549.9	556.1	561.3	565.2	532.5	489.5
-77.5°	357.7	378.8	395.5	412.1	428.4	434.4	437.3	439.6	441.1	408.5	368.4
-80°	257.2	273.3	286.6	299.4	311.6	314.6	314.6	312.9	309.5	283.2	253.4
-82.5°	163.4	171.1	177.8	184.5	191.0	195.6	199.1	201.6	203.2	183.9	162.3
-85°	80.4	82.2	83.1	83.6	83.6	86.3	88.8	91.1	93.1	84.4	74.8
-87.5°	18.2	17.7	17.1	16.4	15.7	15.4	15.1	14.7	14.3	13.3	12.2
-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: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-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°	11.0	9.9	8.6	7.4	8.6	9.9	11.0	12.2	13.3	14.3	14.7
85°	64.7	54.1	53.1	51.9	53.1	54.1	64.7	74.8	84.4	93.1	91.1
82.5°	139.5	115.8	112.3	108.7	112.3	115.8	139.5	162.3	183.9	203.2	201.6
80°	222.3	190.2	183.9	177.9	183.9	190.2	222.3	253.4	283.2	309.5	312.9
77.5°	326.1	282.1	269.2	257.0	269.2	282.1	326.1	368.4	408.5	441.1	439.6
75°	444.8	398.5	382.9	368.2	382.9	398.5	444.8	489.5	532.5	565.2	561.3
72.5°	614.2	586.0	557.5	526.3	557.5	586.0	614.2	641.4	668.3	687.0	681.0
70°	828.2	826.2	819.1	808.0	819.1	826.2	828.2	829.1	830.0	827.9	817.2
67.5°	1018.3	1017.5	1020.0	1020.5	1020.0	1017.5	1018.3	1015.8	1010.0	999.7	984.1
65°	1235.5	1237.9	1243.0	1245.3	1243.0	1237.9	1235.5	1228.8	1217.7	1204.9	1187.9
62.5°	1526.2	1538.8	1545.0	1544.3	1545.0	1538.8	1526.2	1507.5	1483.1	1454.6	1424.4
60°	1802.5	1815.6	1823.9	1826.0	1823.9	1815.6	1802.5	1782.6	1755.9	1720.0	1677.0
57.5°	2117.6	2139.1	2150.5	2152.1	2150.5	2139.1	2117.6	2087.9	2050.4	2004.5	1950.0
55°	2505.3	2533.7	2546.4	2545.0	2546.4	2533.7	2505.3	2464.6	2411.4	2344.5	2268.4
52.5°	2960.3	2994.9	3020.9	3036.7	3020.9	2994.9	2960.3	2909.8	2843.0	2757.2	2653.4
50°	3552.8	3602.5	3634.1	3647.0	3634.1	3602.5	3552.8	3480.3	3383.8	3264.4	3126.4
47.5°	4294.0	4359.8	4408.6	4442.6	4408.6	4359.8	4294.0	4196.9	4062.6	3895.1	3702.2
45°	5259.6	5360.0	5428.2	5468.0	5428.2	5360.0	5259.6	5116.3	4922.3	4681.3	4407.7
42.5°	6551.4	6707.2	6802.7	6839.4	6802.7	6707.2	6551.4	6333.1	6053.6	5707.6	5344.8
40°	8050.6	8237.8	8360.6	8445.4	8360.6	8237.8	8050.6	7783.6	7445.6	7033.1	6583.3
37.5°	9612.1	9808.7	9928.3	10009.5	9928.3	9808.7	9612.1	9321.5	8942.8	8491.3	7959.6
35°	11205.2	11411.0	11523.1	11585.9	11523.1	11411.0	11205.2	10878.7	10445.5	9936.2	9357.8
32.5°	12840.7	13067.4	13189.4	13315.5	13189.4	13067.4	12840.7	12461.0	11962.9	11391.0	10756.8
30°	14548.8	14809.0	14936.6	14998.2	14936.6	14809.0	14548.8	14095.4	13521.6	12884.9	12168.2
27.5°	16326.2	16650.6	16810.3	16915.5	16810.3	16650.6	16326.2	15796.8	15140.9	14421.3	13599.0
25°	18175.6	18577.6	18760.6	18924.4	18760.6	18577.6	18175.6	17557.1	16824.8	15999.0	15057.1
22.5°	20094.5	20595.0	20807.0	20923.3	20807.0	20595.0	20094.5	19368.2	18544.0	17603.6	16550.3
20°	22063.4	22661.5	22956.0	23107.5	22956.0	22661.5	22063.4	21238.4	20284.4	19198.6	18025.2
17.5°	24076.8	24820.8	25201.8	25289.3	25201.8	24820.8	24076.8	23147.1	22040.3	20805.0	19463.4
15°	26053.3	26858.1	27308.5	27473.6	27308.5	26858.1	26053.3	25005.1	23769.4	22366.3	20856.2
12.5°	27925.2	28759.3	29297.5	29393.4	29297.5	28759.3	27925.2	26789.7	25455.5	23835.6	22163.8
10°	29622.9	30486.9	31081.4	31216.9	31081.4	30486.9	29622.9	28369.3	26843.5	25125.1	23283.3
7.5°	31042.2	31990.2	32646.9	32761.2	32646.9	31990.2	31042.2	29705.5	28017.3	26165.7	24200.1
5°	32080.5	33206.1	33745.2	33880.5	33745.2	33206.1	32080.5	30621.3	28871.6	26924.7	24870.0
2.5°	32650.1	33795.9	34545.2	34458.7	34545.2	33795.9	32650.1	31193.6	29395.6	27376.3	25267.3
0°	32714.3	33912.6	34629.2	34960.3	34629.2	33912.6	32714.3	31315.8	29524.4	27532.9	25341.2
-2.5°	32650.1	33795.9	34545.2	34458.7	34545.2	33795.9	32650.1	31193.6	29395.6	27376.3	25267.3
-5°	32080.5	33206.1	33745.2	33880.5	33745.2	33206.1	32080.5	30621.3	28871.6	26924.7	24870.0
-7.5°	31042.2	31990.2	32646.9	32761.2	32646.9	31990.2	31042.2	29705.5	28017.3	26165.7	24200.1
-10°	29622.9	30486.9	31081.4	31216.9	31081.4	30486.9	29622.9	28369.3	26843.5	25125.1	23283.3
-12.5°	27925.2	28759.3	29297.5	29393.4	29297.5	28759.3	27925.2	26789.7	25455.5	23835.6	22163.8
-15°	26053.3	26858.1	27308.5	27473.6	27308.5	26858.1	26053.3	25005.1	23769.4	22366.3	20856.2
-17.5°	24076.8	24820.8	25201.8	25289.3	25201.8	24820.8	24076.8	23147.1	22040.3	20805.0	19463.4
-20°	22063.4	22661.5	22956.0	23107.5	22956.0	22661.5	22063.4	21238.4	20284.4	19198.6	18025.2



REPORT NUMBER: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20094.5	20595.0	20807.0	20923.3	20807.0	20595.0	20094.5	19368.2	18544.0	17603.6	16550.3
-25°	18175.6	18577.6	18760.6	18924.4	18760.6	18577.6	18175.6	17557.1	16824.8	15999.0	15057.1
-27.5°	16326.2	16650.6	16810.3	16915.5	16810.3	16650.6	16326.2	15796.8	15140.9	14421.3	13599.0
-30°	14548.8	14809.0	14936.6	14998.2	14936.6	14809.0	14548.8	14095.4	13521.6	12884.9	12168.2
-32.5°	12840.7	13067.4	13189.4	13315.5	13189.4	13067.4	12840.7	12461.0	11962.9	11391.0	10756.8
-35°	11205.2	11411.0	11523.1	11585.9	11523.1	11411.0	11205.2	10878.7	10445.5	9936.2	9357.8
-37.5°	9612.1	9808.7	9928.3	10009.5	9928.3	9808.7	9612.1	9321.5	8942.8	8491.3	7959.6
-40°	8050.6	8237.8	8360.6	8445.4	8360.6	8237.8	8050.6	7783.6	7445.6	7033.1	6583.3
-42.5°	6551.4	6707.2	6802.7	6839.4	6802.7	6707.2	6551.4	6333.1	6053.6	5707.6	5344.8
-45°	5259.6	5360.0	5428.2	5468.0	5428.2	5360.0	5259.6	5116.3	4922.3	4681.3	4407.7
-47.5°	4294.0	4359.8	4408.6	4442.6	4408.6	4359.8	4294.0	4196.9	4062.6	3895.1	3702.2
-50°	3552.8	3602.5	3634.1	3647.0	3634.1	3602.5	3552.8	3480.3	3383.8	3264.4	3126.4
-52.5°	2960.3	2994.9	3020.9	3036.7	3020.9	2994.9	2960.3	2909.8	2843.0	2757.2	2653.4
-55°	2505.3	2533.7	2546.4	2545.0	2546.4	2533.7	2505.3	2464.6	2411.4	2344.5	2268.4
-57.5°	2117.6	2139.1	2150.5	2152.1	2150.5	2139.1	2117.6	2087.9	2050.4	2004.5	1950.0
-60°	1802.5	1815.6	1823.9	1826.0	1823.9	1815.6	1802.5	1782.6	1755.9	1720.0	1677.0
-62.5°	1526.2	1538.8	1545.0	1544.3	1545.0	1538.8	1526.2	1507.5	1483.1	1454.6	1424.4
-65°	1235.5	1237.9	1243.0	1245.3	1243.0	1237.9	1235.5	1228.8	1217.7	1204.9	1187.9
-67.5°	1018.3	1017.5	1020.0	1020.5	1020.0	1017.5	1018.3	1015.8	1010.0	999.7	984.1
-70°	828.2	826.2	819.1	808.0	819.1	826.2	828.2	829.1	830.0	827.9	817.2
-72.5°	614.2	586.0	557.5	526.3	557.5	586.0	614.2	641.4	668.3	687.0	681.0
-75°	444.8	398.5	382.9	368.2	382.9	398.5	444.8	489.5	532.5	565.2	561.3
-77.5°	326.1	282.1	269.2	257.0	269.2	282.1	326.1	368.4	408.5	441.1	439.6
-80°	222.3	190.2	183.9	177.9	183.9	190.2	222.3	253.4	283.2	309.5	312.9
-82.5°	139.5	115.8	112.3	108.7	112.3	115.8	139.5	162.3	183.9	203.2	201.6
-85°	64.7	54.1	53.1	51.9	53.1	54.1	64.7	74.8	84.4	93.1	91.1
-87.5°	11.0	9.9	8.6	7.4	8.6	9.9	11.0	12.2	13.3	14.3	14.7
-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: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-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°	15.1	15.4	15.7	16.4	17.1	17.7	18.2	17.6	17.0	16.4	15.7
85°	88.8	86.3	83.6	83.6	83.1	82.2	80.4	72.0	64.1	56.6	50.1
82.5°	199.1	195.6	191.0	184.5	177.8	171.1	163.4	146.1	129.4	113.4	100.2
80°	314.6	314.6	311.6	299.4	286.6	273.3	257.2	229.7	203.1	178.5	161.1
77.5°	437.3	434.4	428.4	412.1	395.5	378.8	357.7	322.1	286.7	252.5	230.4
75°	556.1	549.9	539.2	519.2	497.4	474.0	448.8	418.1	382.8	342.9	313.7
72.5°	673.4	664.2	650.1	628.9	604.8	579.4	552.8	522.7	488.2	448.9	419.5
70°	804.4	789.5	770.5	746.5	721.4	694.6	667.1	636.3	600.3	561.2	530.1
67.5°	964.5	941.0	914.3	885.7	858.4	826.5	794.0	758.9	722.6	681.4	642.3
65°	1163.8	1132.3	1096.7	1065.8	1028.9	985.4	936.5	893.8	851.7	805.4	754.1
62.5°	1393.4	1362.6	1313.3	1262.5	1213.4	1163.6	1104.3	1044.6	987.0	929.0	869.0
60°	1628.0	1572.7	1519.2	1461.1	1398.3	1330.9	1265.9	1197.6	1126.4	1056.5	984.9
57.5°	1886.9	1818.6	1748.6	1673.6	1593.8	1517.2	1438.1	1353.3	1272.4	1187.8	1102.2
55°	2183.9	2101.6	2012.1	1914.0	1812.8	1721.7	1625.0	1527.8	1429.5	1323.0	1228.5
52.5°	2536.3	2433.6	2318.8	2191.7	2072.9	1952.3	1826.5	1716.2	1596.1	1477.7	1360.0
50°	2985.4	2839.7	2681.7	2521.3	2374.0	2214.8	2067.0	1922.0	1776.7	1639.6	1502.6
47.5°	3523.1	3330.4	3114.4	2915.3	2720.1	2522.9	2341.0	2149.2	1982.5	1809.9	1657.6
45°	4177.1	3920.3	3642.9	3390.0	3115.5	2877.4	2645.4	2424.9	2205.9	2010.9	1816.6
42.5°	5012.9	4638.8	4286.5	3951.2	3605.4	3292.2	2983.2	2721.9	2464.9	2223.6	2004.5
40°	6088.0	5543.1	5090.7	4609.2	4190.7	3771.3	3401.9	3039.7	2747.7	2461.8	2194.5
37.5°	7357.3	6719.3	6073.6	5414.7	4869.7	4342.6	3867.2	3440.7	3043.4	2718.5	2410.0
35°	8699.5	7979.0	7205.5	6433.6	5637.9	4999.5	4395.4	3869.9	3406.3	2987.2	2631.8
32.5°	10038.8	9247.7	8396.1	7515.5	6621.6	5728.0	5002.9	4352.1	3772.1	3294.8	2874.2
30°	11377.4	10509.2	9576.4	8614.7	7634.0	6631.0	5641.7	4881.3	4200.5	3601.9	3118.0
27.5°	12720.4	11779.5	10758.7	9700.6	8643.4	7549.8	6453.4	5427.5	4632.1	3955.7	3385.6
25°	14064.9	13012.7	11916.7	10765.0	9612.3	8449.8	7238.5	6094.8	5116.3	4309.6	3632.3
22.5°	15413.4	14232.1	13010.2	11773.0	10533.6	9291.3	8023.5	6748.4	5575.0	4669.7	3920.9
20°	16745.8	15419.1	14081.5	12740.5	11404.4	10075.8	8750.5	7389.4	6114.2	5042.5	4190.4
17.5°	18029.2	16555.3	15103.3	13649.5	12220.3	10811.8	9402.3	7980.8	6595.7	5374.3	4428.2
15°	19251.6	17643.3	16066.3	14505.2	12963.0	11450.3	9979.5	8500.2	7033.5	5720.4	4689.1
12.5°	20404.9	18649.8	16931.7	15237.4	13598.7	12013.3	10484.2	8956.1	7446.0	6057.5	4921.6
10°	21389.9	19506.9	17657.8	15871.0	14149.2	12492.1	10900.7	9341.8	7799.6	6338.0	5111.8
7.5°	22190.9	20196.1	18246.2	16371.7	14580.9	12873.3	11222.3	9637.8	8079.5	6557.3	5258.6
5°	22776.2	20703.0	18682.3	16742.7	14879.9	13150.7	11449.2	9840.2	8282.4	6713.3	5361.2
2.5°	23139.1	21009.6	18941.7	16968.1	15054.0	13317.4	11580.8	9962.5	8398.1	6799.0	5425.6
0°	23206.4	21153.1	19023.2	16992.1	15153.8	13367.4	11615.5	10007.0	8428.1	6817.1	5445.8
-2.5°	23139.1	21009.6	18941.7	16968.1	15054.0	13317.4	11580.8	9962.5	8398.1	6799.0	5425.6
-5°	22776.2	20703.0	18682.3	16742.7	14879.9	13150.7	11449.2	9840.2	8282.4	6713.3	5361.2
-7.5°	22190.9	20196.1	18246.2	16371.7	14580.9	12873.3	11222.3	9637.8	8079.5	6557.3	5258.6
-10°	21389.9	19506.9	17657.8	15871.0	14149.2	12492.1	10900.7	9341.8	7799.6	6338.0	5111.8
-12.5°	20404.9	18649.8	16931.7	15237.4	13598.7	12013.3	10484.2	8956.1	7446.0	6057.5	4921.6
-15°	19251.6	17643.3	16066.3	14505.2	12963.0	11450.3	9979.5	8500.2	7033.5	5720.4	4689.1
-17.5°	18029.2	16555.3	15103.3	13649.5	12220.3	10811.8	9402.3	7980.8	6595.7	5374.3	4428.2
-20°	16745.8	15419.1	14081.5	12740.5	11404.4	10075.8	8750.5	7389.4	6114.2	5042.5	4190.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15413.4	14232.1	13010.2	11773.0	10533.6	9291.3	8023.5	6748.4	5575.0	4669.7	3920.9
-25°	14064.9	13012.7	11916.7	10765.0	9612.3	8449.8	7238.5	6094.8	5116.3	4309.6	3632.3
-27.5°	12720.4	11779.5	10758.7	9700.6	8643.4	7549.8	6453.4	5427.5	4632.1	3955.7	3385.6
-30°	11377.4	10509.2	9576.4	8614.7	7634.0	6631.0	5641.7	4881.3	4200.5	3601.9	3118.0
-32.5°	10038.8	9247.7	8396.1	7515.5	6621.6	5728.0	5002.9	4352.1	3772.1	3294.8	2874.2
-35°	8699.5	7979.0	7205.5	6433.6	5637.9	4999.5	4395.4	3869.9	3406.3	2987.2	2631.8
-37.5°	7357.3	6719.3	6073.6	5414.7	4869.7	4342.6	3867.2	3440.7	3043.4	2718.5	2410.0
-40°	6088.0	5543.1	5090.7	4609.2	4190.7	3771.3	3401.9	3039.7	2747.7	2461.8	2194.5
-42.5°	5012.9	4638.8	4286.5	3951.2	3605.4	3292.2	2983.2	2721.9	2464.9	2223.6	2004.5
-45°	4177.1	3920.3	3642.9	3390.0	3115.5	2877.4	2645.4	2424.9	2205.9	2010.9	1816.6
-47.5°	3523.1	3330.4	3114.4	2915.3	2720.1	2522.9	2341.0	2149.2	1982.5	1809.9	1657.6
-50°	2985.4	2839.7	2681.7	2521.3	2374.0	2214.8	2067.0	1922.0	1776.7	1639.6	1502.6
-52.5°	2536.3	2433.6	2318.8	2191.7	2072.9	1952.3	1826.5	1716.2	1596.1	1477.7	1360.0
-55°	2183.9	2101.6	2012.1	1914.0	1812.8	1721.7	1625.0	1527.8	1429.5	1323.0	1228.5
-57.5°	1886.9	1818.6	1748.6	1673.6	1593.8	1517.2	1438.1	1353.3	1272.4	1187.8	1102.2
-60°	1628.0	1572.7	1519.2	1461.1	1398.3	1330.9	1265.9	1197.6	1126.4	1056.5	984.9
-62.5°	1393.4	1362.6	1313.3	1262.5	1213.4	1163.6	1104.3	1044.6	987.0	929.0	869.0
-65°	1163.8	1132.3	1096.7	1065.8	1028.9	985.4	936.5	893.8	851.7	805.4	754.1
-67.5°	964.5	941.0	914.3	885.7	858.4	826.5	794.0	758.9	722.6	681.4	642.3
-70°	804.4	789.5	770.5	746.5	721.4	694.6	667.1	636.3	600.3	561.2	530.1
-72.5°	673.4	664.2	650.1	628.9	604.8	579.4	552.8	522.7	488.2	448.9	419.5
-75°	556.1	549.9	539.2	519.2	497.4	474.0	448.8	418.1	382.8	342.9	313.7
-77.5°	437.3	434.4	428.4	412.1	395.5	378.8	357.7	322.1	286.7	252.5	230.4
-80°	314.6	314.6	311.6	299.4	286.6	273.3	257.2	229.7	203.1	178.5	161.1
-82.5°	199.1	195.6	191.0	184.5	177.8	171.1	163.4	146.1	129.4	113.4	100.2
-85°	88.8	86.3	83.6	83.6	83.1	82.2	80.4	72.0	64.1	56.6	50.1
-87.5°	15.1	15.4	15.7	16.4	17.1	17.7	18.2	17.6	17.0	16.4	15.7
-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: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-WR-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°	17.5	19.1	20.3	21.3	21.9	22.3	22.3	21.9	21.0	19.9	18.4
85°	52.4	53.5	53.3	51.7	48.3	44.6	44.6	43.9	42.1	39.7	36.8
82.5°	104.1	107.3	109.1	108.4	101.7	94.5	87.0	79.0	70.5	60.8	55.2
80°	167.2	170.9	172.1	169.3	157.3	144.4	133.3	121.9	110.6	97.9	83.7
77.5°	235.3	238.1	238.7	234.4	219.2	202.7	185.1	166.6	150.8	135.0	117.3
75°	308.5	309.4	308.8	300.8	282.2	261.0	239.6	216.6	193.5	172.0	150.8
72.5°	403.6	390.6	380.9	368.1	347.6	323.7	296.5	265.8	236.6	209.2	183.7
70°	503.0	475.6	454.3	434.7	412.0	386.8	356.6	318.1	279.0	245.7	214.7
67.5°	606.8	572.8	538.6	502.9	474.9	446.5	415.9	369.7	322.8	281.5	245.1
65°	707.9	665.9	627.2	580.8	540.2	505.5	470.9	418.5	365.0	316.9	274.8
62.5°	809.8	753.5	704.9	654.6	605.6	562.6	523.6	464.0	405.5	350.8	303.0
60°	914.4	848.4	782.3	724.3	668.9	616.8	568.1	508.0	444.7	383.1	329.7
57.5°	1022.9	943.6	868.1	795.7	731.2	671.1	610.9	548.6	482.5	415.9	353.8
55°	1132.3	1042.8	954.0	871.1	794.7	726.3	655.4	587.4	518.7	447.9	372.9
52.5°	1249.7	1144.8	1044.7	947.9	860.4	780.0	702.9	625.5	553.3	478.6	393.8
50°	1374.1	1252.9	1138.6	1030.3	925.6	836.2	749.2	667.1	587.0	508.2	413.4
47.5°	1504.8	1367.6	1237.4	1113.4	999.7	890.5	797.7	708.0	619.8	537.5	431.2
45°	1648.7	1485.5	1339.0	1202.8	1070.7	952.1	845.5	747.6	655.3	558.5	447.2
42.5°	1793.4	1612.7	1444.3	1289.4	1148.2	1014.4	891.3	788.6	689.5	577.7	463.0
40°	1960.2	1742.8	1550.3	1382.4	1224.5	1073.8	944.1	828.2	721.3	596.7	478.2
37.5°	2122.8	1882.8	1666.0	1471.1	1299.9	1140.9	995.1	865.8	746.4	617.5	492.0
35°	2314.4	2027.4	1776.2	1565.0	1377.5	1204.8	1043.1	904.2	774.0	637.5	504.3
32.5°	2500.6	2174.6	1900.2	1661.2	1450.7	1265.2	1094.0	943.6	802.0	656.5	515.1
30°	2705.1	2334.6	2017.1	1751.2	1523.5	1327.5	1145.3	980.7	830.3	674.4	525.6
27.5°	2901.5	2482.2	2130.8	1846.6	1600.3	1385.6	1192.7	1015.4	858.6	693.2	538.6
25°	3096.2	2641.6	2256.1	1937.5	1671.0	1438.5	1236.3	1047.9	886.5	714.1	550.3
22.5°	3307.5	2795.8	2369.1	2019.1	1734.8	1486.8	1277.9	1083.3	912.0	734.1	560.5
20°	3501.8	2935.0	2470.0	2097.3	1798.2	1539.0	1316.8	1115.1	934.9	752.9	569.2
17.5°	3685.0	3076.6	2582.5	2181.8	1858.2	1585.0	1351.1	1143.0	955.2	770.2	576.2
15°	3877.3	3217.3	2683.8	2255.0	1910.1	1624.7	1380.5	1167.0	972.7	785.8	582.8
12.5°	4041.6	3336.2	2768.9	2316.6	1953.7	1657.9	1405.0	1187.0	987.2	799.0	588.8
10°	4176.9	3432.8	2837.6	2366.3	1988.9	1684.5	1424.5	1203.1	999.4	809.3	592.1
7.5°	4282.2	3506.6	2889.5	2404.0	2015.8	1705.3	1440.8	1215.7	1008.8	816.5	592.8
5°	4355.9	3558.1	2927.6	2430.4	2036.2	1720.2	1452.4	1224.1	1015.1	820.4	591.1
2.5°	4394.6	3587.2	2951.0	2444.4	2047.9	1728.3	1459.0	1228.2	1018.3	821.0	587.0
0°	4400.6	3592.6	2957.6	2446.2	2050.8	1729.6	1460.3	1228.0	1018.0	817.9	580.7
-2.5°	4394.6	3587.2	2951.0	2444.4	2047.9	1728.3	1459.0	1228.2	1018.3	821.0	587.0
-5°	4355.9	3558.1	2927.6	2430.4	2036.2	1720.2	1452.4	1224.1	1015.1	820.4	591.1
-7.5°	4282.2	3506.6	2889.5	2404.0	2015.8	1705.3	1440.8	1215.7	1008.8	816.5	592.8
-10°	4176.9	3432.8	2837.6	2366.3	1988.9	1684.5	1424.5	1203.1	999.4	809.3	592.1
-12.5°	4041.6	3336.2	2768.9	2316.6	1953.7	1657.9	1405.0	1187.0	987.2	799.0	588.8
-15°	3877.3	3217.3	2683.8	2255.0	1910.1	1624.7	1380.5	1167.0	972.7	785.8	582.8
-17.5°	3685.0	3076.6	2582.5	2181.8	1858.2	1585.0	1351.1	1143.0	955.2	770.2	576.2
-20°	3501.8	2935.0	2470.0	2097.3	1798.2	1539.0	1316.8	1115.1	934.9	752.9	569.2

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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
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Scaled Data Report



REPORT NUMBER: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3307.5	2795.8	2369.1	2019.1	1734.8	1486.8	1277.9	1083.3	912.0	734.1	560.5
-25°	3096.2	2641.6	2256.1	1937.5	1671.0	1438.5	1236.3	1047.9	886.5	714.1	550.3
-27.5°	2901.5	2482.2	2130.8	1846.6	1600.3	1385.6	1192.7	1015.4	858.6	693.2	538.6
-30°	2705.1	2334.6	2017.1	1751.2	1523.5	1327.5	1145.3	980.7	830.3	674.4	525.6
-32.5°	2500.6	2174.6	1900.2	1661.2	1450.7	1265.2	1094.0	943.6	802.0	656.5	515.1
-35°	2314.4	2027.4	1776.2	1565.0	1377.5	1204.8	1043.1	904.2	774.0	637.5	504.3
-37.5°	2122.8	1882.8	1666.0	1471.1	1299.9	1140.9	995.1	865.8	746.4	617.5	492.0
-40°	1960.2	1742.8	1550.3	1382.4	1224.5	1073.8	944.1	828.2	721.3	596.7	478.2
-42.5°	1793.4	1612.7	1444.3	1289.4	1148.2	1014.4	891.3	788.6	689.5	577.7	463.0
-45°	1648.7	1485.5	1339.0	1202.8	1070.7	952.1	845.5	747.6	655.3	558.5	447.2
-47.5°	1504.8	1367.6	1237.4	1113.4	999.7	890.5	797.7	708.0	619.8	537.5	431.2
-50°	1374.1	1252.9	1138.6	1030.3	925.6	836.2	749.2	667.1	587.0	508.2	413.4
-52.5°	1249.7	1144.8	1044.7	947.9	860.4	780.0	702.9	625.5	553.3	478.6	393.8
-55°	1132.3	1042.8	954.0	871.1	794.7	726.3	655.4	587.4	518.7	447.9	372.9
-57.5°	1022.9	943.6	868.1	795.7	731.2	671.1	610.9	548.6	482.5	415.9	353.8
-60°	914.4	848.4	782.3	724.3	668.9	616.8	568.1	508.0	444.7	383.1	329.7
-62.5°	809.8	753.5	704.9	654.6	605.6	562.6	523.6	464.0	405.5	350.8	303.0
-65°	707.9	665.9	627.2	580.8	540.2	505.5	470.9	418.5	365.0	316.9	274.8
-67.5°	606.8	572.8	538.6	502.9	474.9	446.5	415.9	369.7	322.8	281.5	245.1
-70°	503.0	475.6	454.3	434.7	412.0	386.8	356.6	318.1	279.0	245.7	214.7
-72.5°	403.6	390.6	380.9	368.1	347.6	323.7	296.5	265.8	236.6	209.2	183.7
-75°	308.5	309.4	308.8	300.8	282.2	261.0	239.6	216.6	193.5	172.0	150.8
-77.5°	235.3	238.1	238.7	234.4	219.2	202.7	185.1	166.6	150.8	135.0	117.3
-80°	167.2	170.9	172.1	169.3	157.3	144.4	133.3	121.9	110.6	97.9	83.7
-82.5°	104.1	107.3	109.1	108.4	101.7	94.5	87.0	79.0	70.5	60.8	55.2
-85°	52.4	53.5	53.3	51.7	48.3	44.6	44.6	43.9	42.1	39.7	36.8
-87.5°	17.5	19.1	20.3	21.3	21.9	22.3	22.3	21.9	21.0	19.9	18.4
-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: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-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°	16.6	13.0	9.6	6.7	4.1	1.8	0.0
85°	33.1	25.9	19.2	13.3	8.2	3.5	0.0
82.5°	49.6	38.7	28.8	20.0	12.2	5.3	0.0
80°	67.3	51.3	38.2	26.5	16.2	7.1	0.0
77.5°	96.1	66.8	47.5	33.0	20.2	8.8	0.0
75°	124.1	87.3	57.5	39.3	24.0	10.5	0.0
72.5°	151.2	107.2	71.3	45.6	27.8	12.2	0.0
70°	176.9	126.3	84.6	52.1	31.5	13.8	0.0
67.5°	199.2	144.6	97.3	60.2	35.1	15.4	0.0
65°	220.4	161.4	109.4	67.9	38.6	17.0	0.0
62.5°	240.4	176.7	120.8	75.3	42.0	18.5	0.0
60°	259.1	191.1	131.4	82.2	45.2	20.0	0.0
57.5°	276.1	204.5	141.3	88.7	49.1	21.4	0.0
55°	291.8	216.9	150.5	94.6	52.9	22.7	0.0
52.5°	306.1	228.2	158.9	100.1	56.6	24.0	0.0
50°	319.1	238.6	166.6	105.0	60.1	25.3	0.0
47.5°	331.2	248.0	173.5	109.5	63.4	26.4	0.0
45°	344.7	256.3	179.5	114.0	66.5	27.5	0.0
42.5°	356.8	263.5	184.7	117.9	69.5	28.6	0.0
40°	367.4	269.6	189.4	122.2	72.3	29.5	0.0
37.5°	376.5	274.6	193.6	126.6	74.9	30.4	0.0
35°	384.0	280.2	197.0	130.7	77.3	31.2	0.0
32.5°	390.9	285.6	199.6	134.4	79.5	32.0	0.0
30°	398.6	289.7	201.5	137.7	81.5	32.6	0.0
27.5°	404.9	292.7	205.7	140.6	83.3	33.2	0.0
25°	409.8	294.4	209.9	143.2	84.9	33.7	0.0
22.5°	413.2	296.7	213.6	145.4	86.2	34.1	0.0
20°	415.2	302.1	216.7	147.2	87.4	34.5	0.0
17.5°	419.9	306.5	219.3	148.6	88.3	34.8	0.0
15°	425.5	310.0	221.4	149.7	89.1	35.0	0.0
12.5°	429.5	312.5	223.0	150.4	89.6	35.1	0.0
10°	432.1	314.1	224.0	150.7	89.9	35.1	0.0
7.5°	433.1	314.8	224.4	150.6	90.0	35.1	0.0
5°	432.7	314.5	224.3	150.2	89.9	35.0	0.0
2.5°	430.8	313.3	223.6	149.4	89.5	34.8	0.0
0°	427.5	311.3	222.4	148.3	89.0	34.6	0.0
-2.5°	430.8	313.3	223.6	149.4	89.5	34.8	0.0
-5°	432.7	314.5	224.3	150.2	89.9	35.0	0.0
-7.5°	433.1	314.8	224.4	150.6	90.0	35.1	0.0
-10°	432.1	314.1	224.0	150.7	89.9	35.1	0.0
-12.5°	429.5	312.5	223.0	150.4	89.6	35.1	0.0
-15°	425.5	310.0	221.4	149.7	89.1	35.0	0.0
-17.5°	419.9	306.5	219.3	148.6	88.3	34.8	0.0
-20°	415.2	302.1	216.7	147.2	87.4	34.5	0.0

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REPORT NUMBER: P627743 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	413.2	296.7	213.6	145.4	86.2	34.1	0.0
-25°	409.8	294.4	209.9	143.2	84.9	33.7	0.0
-27.5°	404.9	292.7	205.7	140.6	83.3	33.2	0.0
-30°	398.6	289.7	201.5	137.7	81.5	32.6	0.0
-32.5°	390.9	285.6	199.6	134.4	79.5	32.0	0.0
-35°	384.0	280.2	197.0	130.7	77.3	31.2	0.0
-37.5°	376.5	274.6	193.6	126.6	74.9	30.4	0.0
-40°	367.4	269.6	189.4	122.2	72.3	29.5	0.0
-42.5°	356.8	263.5	184.7	117.9	69.5	28.6	0.0
-45°	344.7	256.3	179.5	114.0	66.5	27.5	0.0
-47.5°	331.2	248.0	173.5	109.5	63.4	26.4	0.0
-50°	319.1	238.6	166.6	105.0	60.1	25.3	0.0
-52.5°	306.1	228.2	158.9	100.1	56.6	24.0	0.0
-55°	291.8	216.9	150.5	94.6	52.9	22.7	0.0
-57.5°	276.1	204.5	141.3	88.7	49.1	21.4	0.0
-60°	259.1	191.1	131.4	82.2	45.2	20.0	0.0
-62.5°	240.4	176.7	120.8	75.3	42.0	18.5	0.0
-65°	220.4	161.4	109.4	67.9	38.6	17.0	0.0
-67.5°	199.2	144.6	97.3	60.2	35.1	15.4	0.0
-70°	176.9	126.3	84.6	52.1	31.5	13.8	0.0
-72.5°	151.2	107.2	71.3	45.6	27.8	12.2	0.0
-75°	124.1	87.3	57.5	39.3	24.0	10.5	0.0
-77.5°	96.1	66.8	47.5	33.0	20.2	8.8	0.0
-80°	67.3	51.3	38.2	26.5	16.2	7.1	0.0
-82.5°	49.6	38.7	28.8	20.0	12.2	5.3	0.0
-85°	33.1	25.9	19.2	13.3	8.2	3.5	0.0
-87.5°	16.6	13.0	9.6	6.7	4.1	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)