

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: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-727-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

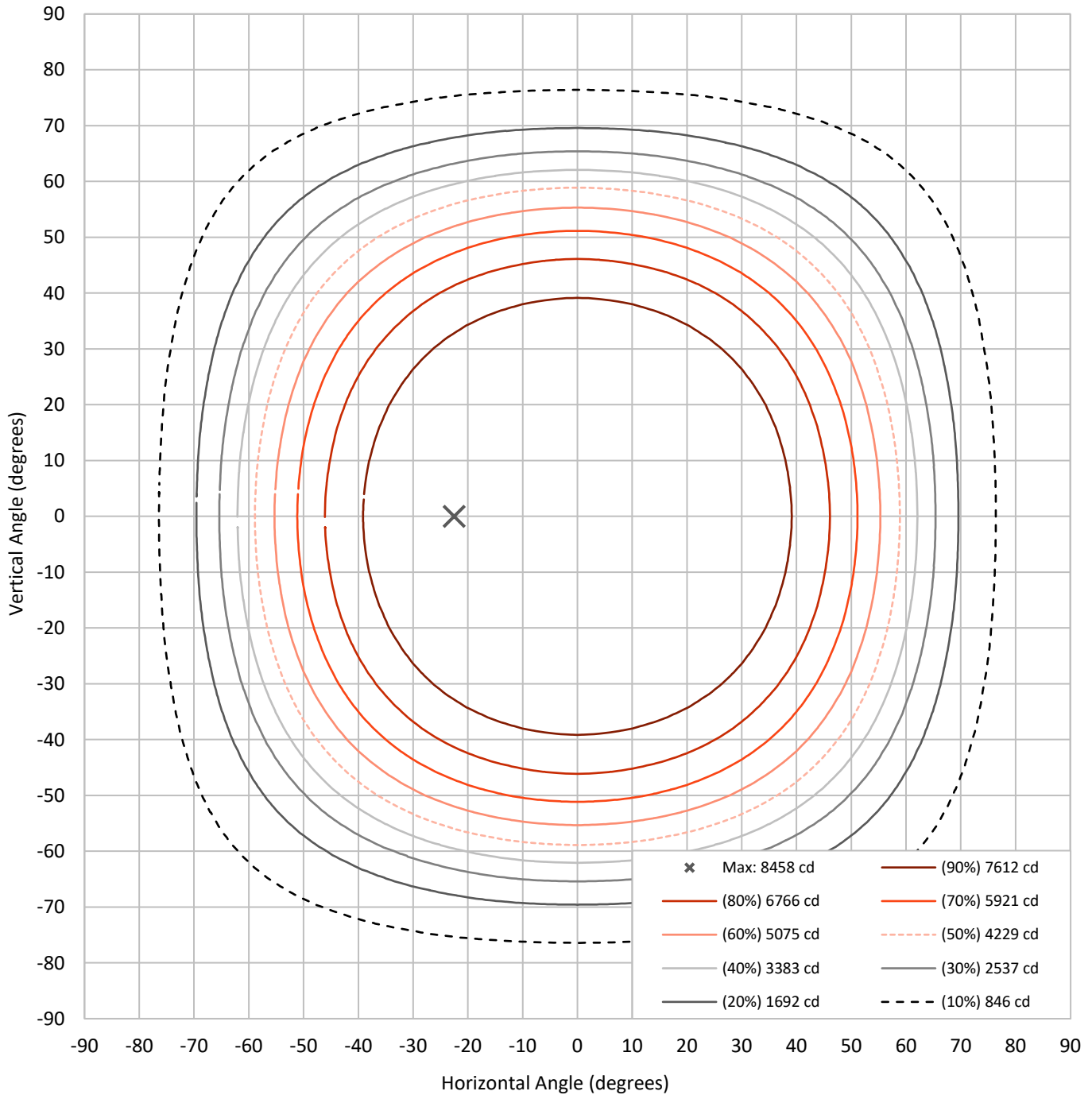
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	25873.5 lumens	Max Intensity:	8458 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	125.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	21532.4 lumens	Field Lumens:	25364.6 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	206.13		
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





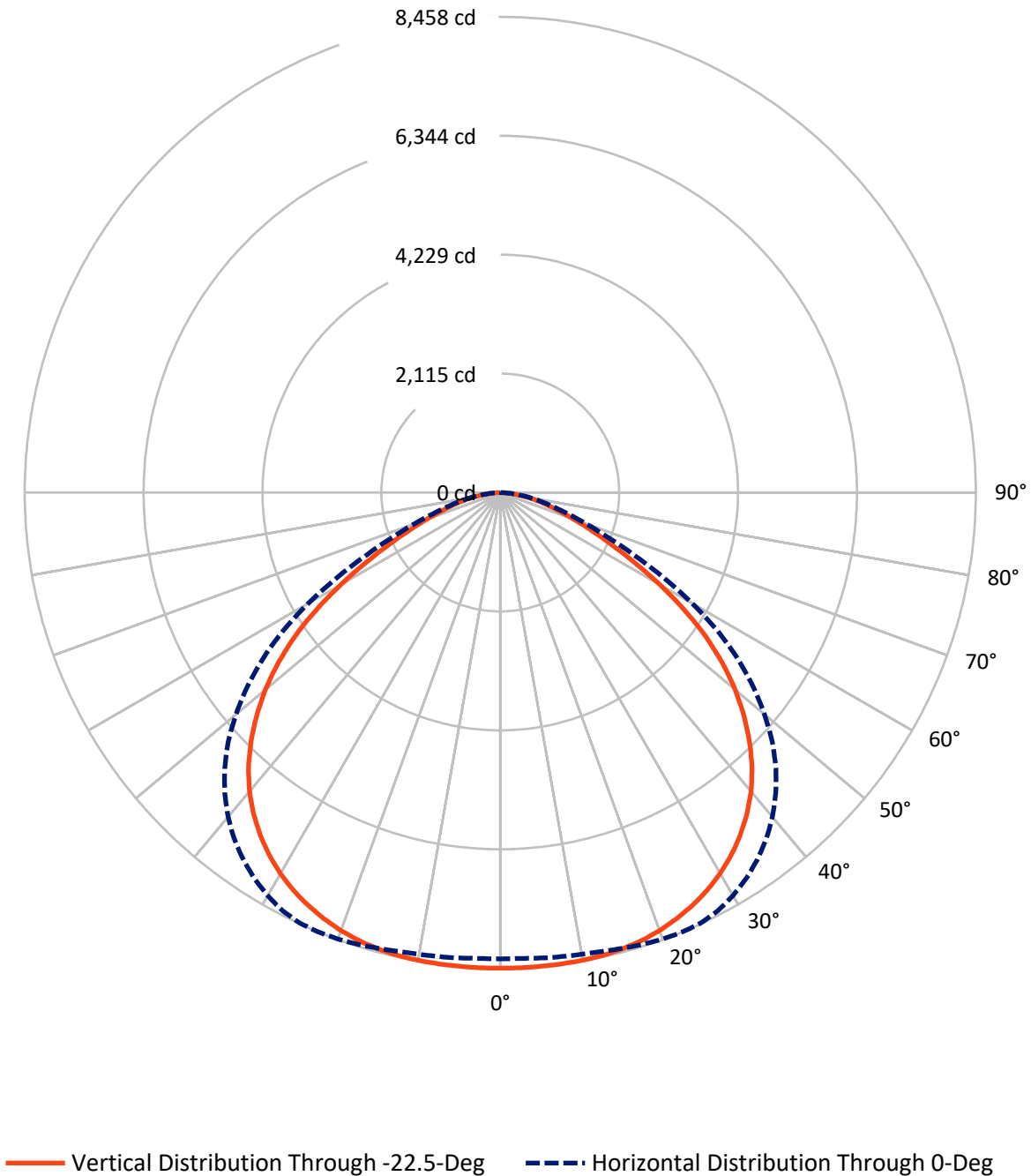
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Lumen Table

90																			
80	1.3	13.4	37.9	63.1	73.8	63.1	37.9	13.4	1.3										
70																			
60	6.4	7.5	15.7	27.5	42.5	58.7	72.6	80.2	80.2	72.6	58.7	42.5	27.5	15.7	7.5				6.4
50																			
40	12.1	11.7	26.8	52.0	85.0	117.0	140.9	153.5	153.5	140.9	117.0	85.0	52.0	26.8	11.7				12.1
30																			
20	16.5	16.7	42.4	84.5	129.6	167.3	194.0	207.6	207.6	194.0	167.3	129.6	84.5	42.4	16.7				16.5
10																			
0	18.3	22.4	60.0	112.1	161.1	200.3	226.7	239.8	239.8	226.7	200.3	161.1	112.1	60.0	22.4				18.3
-10																			
-20	16.5	28.0	74.7	130.9	181.2	219.4	243.7	254.5	254.5	243.7	219.4	181.2	130.9	74.7	28.0				16.5
-30																			
-40	12.1	32.5	84.4	142.4	192.4	228.7	248.0	254.7	254.7	248.0	228.7	192.4	142.4	84.4	32.5				12.1
-50																			
-60	6.4	34.9	89.1	147.8	197.3	231.6	246.9	252.3	252.3	246.9	231.6	197.3	147.8	89.1	34.9				6.4
-70																			
-80	1.3	34.9	89.1	147.8	197.3	231.6	246.9	252.3	252.3	246.9	231.6	197.3	147.8	89.1	34.9				1.3
-90																			

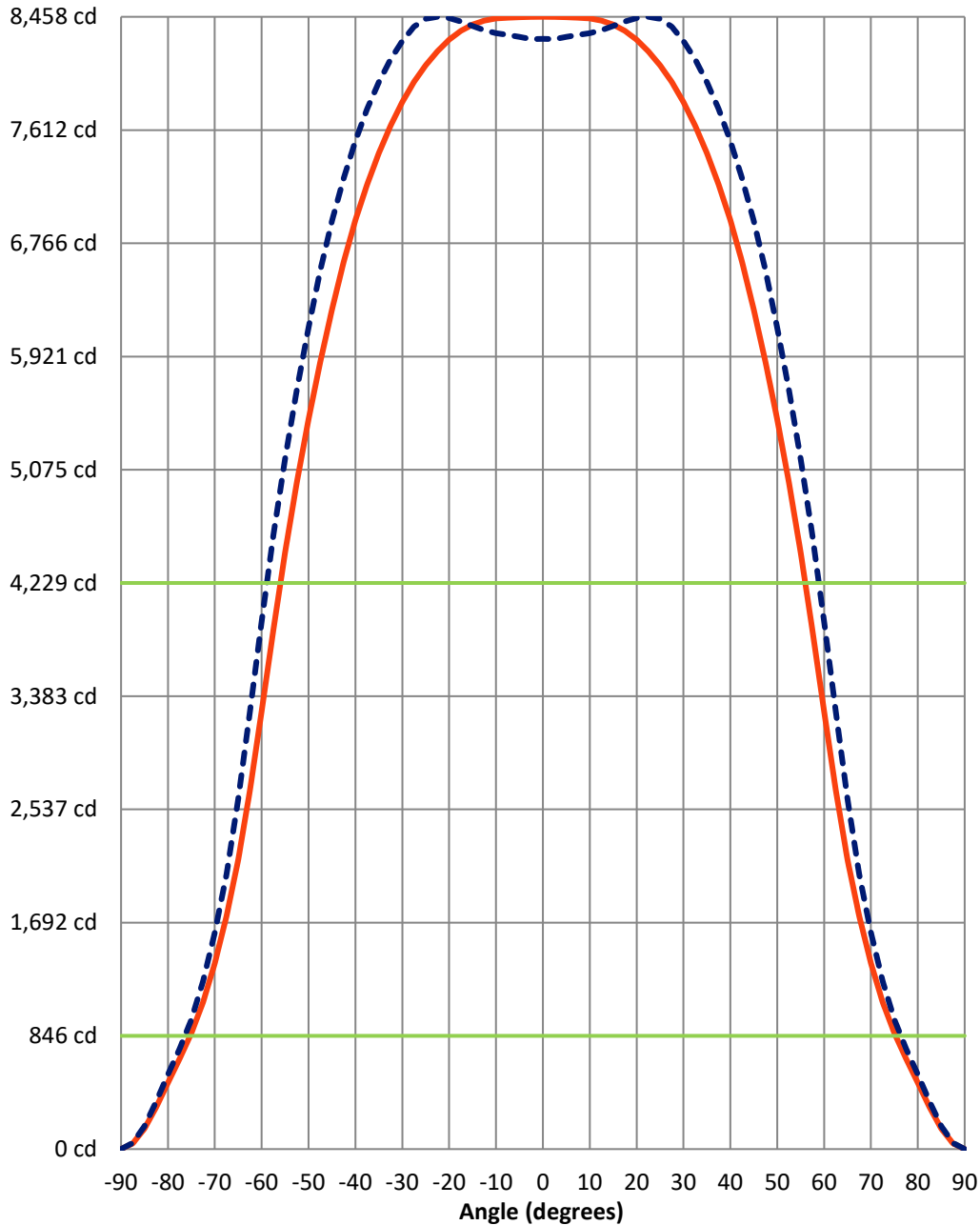
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 21532.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 25364.6
 Efficiency: 98.0%

Spill:
 Lumens: 508.9
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	2.0	4.0	6.0	8.0	10.0	12.0	13.9	15.8	17.7	19.6
85°	0.0	4.0	8.1	12.1	16.1	20.0	23.9	27.8	31.6	35.4	39.1
82.5°	0.0	6.0	12.1	18.1	24.1	30.0	35.9	41.7	49.3	64.6	79.6
80°	0.0	8.0	16.1	24.1	32.0	39.9	50.1	71.1	91.8	112.2	132.3
77.5°	0.0	10.0	20.0	30.0	39.9	55.6	82.1	108.3	134.1	159.6	190.3
75°	0.0	12.0	23.9	35.9	50.1	82.1	113.8	145.1	177.9	222.2	265.9
72.5°	0.0	13.9	27.8	41.7	71.1	108.3	145.1	185.9	238.3	289.9	340.7
70°	0.0	15.8	31.6	49.3	91.8	134.1	177.9	238.3	298.0	357.0	420.8
67.5°	0.0	17.7	35.4	64.6	112.2	159.6	222.2	289.9	357.0	429.6	501.2
65°	0.0	19.6	39.1	79.6	132.3	190.3	265.9	340.7	420.8	501.2	579.3
62.5°	0.0	21.4	42.7	94.4	151.9	226.0	308.7	394.2	483.4	570.8	653.6
60°	0.0	23.1	46.3	108.8	171.1	261.0	350.6	447.9	544.7	636.5	726.4
57.5°	0.0	24.9	55.6	122.9	198.0	295.1	395.1	500.4	602.5	700.7	804.2
55°	0.0	26.6	64.7	136.6	224.6	328.3	439.0	551.6	658.2	765.3	883.1
52.5°	0.0	28.2	73.5	149.8	250.4	361.1	481.6	599.3	712.4	834.4	959.9
50°	0.0	29.8	82.1	162.7	275.3	395.4	522.9	645.3	767.1	901.5	1055.4
47.5°	0.0	31.3	90.4	176.4	299.4	428.6	562.5	689.7	824.7	966.4	1150.3
45°	0.0	32.7	98.3	193.8	322.5	460.5	599.1	732.4	880.2	1048.2	1241.9
42.5°	0.0	34.1	105.9	210.4	344.7	491.1	634.2	776.6	933.5	1127.2	1349.8
40°	0.0	35.5	113.1	226.2	366.9	520.3	667.6	821.0	989.6	1202.8	1456.4
37.5°	0.0	36.7	120.0	241.3	389.1	548.0	699.5	863.3	1053.3	1280.1	1558.1
35°	0.0	37.9	126.5	255.5	410.0	573.5	729.6	903.3	1113.7	1366.4	1661.9
32.5°	0.0	39.0	132.6	268.8	429.7	597.0	759.1	941.0	1170.5	1447.7	1770.9
30°	0.0	40.1	138.3	281.3	448.1	619.0	789.1	978.8	1223.7	1523.9	1873.2
27.5°	0.0	41.1	143.6	292.9	465.1	639.4	817.0	1021.8	1278.1	1594.8	1968.3
25°	0.0	42.0	148.5	303.6	480.8	658.2	842.7	1061.4	1335.7	1668.7	2057.2
22.5°	0.0	42.8	152.9	313.3	495.1	675.3	866.1	1097.6	1388.4	1740.2	2161.1
20°	0.0	43.5	156.9	322.0	508.0	690.7	887.2	1130.1	1435.8	1804.8	2254.8
17.5°	0.0	44.2	160.4	329.7	519.4	704.4	906.0	1159.1	1478.0	1862.2	2338.2
15°	0.0	44.7	163.5	336.5	529.3	716.3	922.3	1184.3	1514.7	1912.2	2411.0
12.5°	0.0	45.2	166.1	342.2	537.8	726.4	936.1	1205.7	1546.0	1954.8	2472.9
10°	0.0	45.6	168.3	346.9	544.7	734.7	947.5	1223.3	1571.7	1989.9	2523.9
7.5°	0.0	45.9	169.9	350.6	550.1	741.2	956.4	1237.1	1591.7	2017.2	2563.7
5°	0.0	46.1	171.1	353.2	554.0	745.9	962.8	1246.9	1606.1	2036.8	2592.2
2.5°	0.0	46.3	171.9	354.8	556.3	748.7	966.6	1252.8	1614.7	2048.6	2609.4
0°	0.0	46.3	172.1	355.3	557.1	749.6	967.9	1254.8	1617.6	2052.5	2615.1
-2.5°	0.0	46.3	171.9	354.8	556.3	748.7	966.6	1252.8	1614.7	2048.6	2609.4
-5°	0.0	46.1	171.1	353.2	554.0	745.9	962.8	1246.9	1606.1	2036.8	2592.2
-7.5°	0.0	45.9	169.9	350.6	550.1	741.2	956.4	1237.1	1591.7	2017.2	2563.7
-10°	0.0	45.6	168.3	346.9	544.7	734.7	947.5	1223.3	1571.7	1989.9	2523.9
-12.5°	0.0	45.2	166.1	342.2	537.8	726.4	936.1	1205.7	1546.0	1954.8	2472.9
-15°	0.0	44.7	163.5	336.5	529.3	716.3	922.3	1184.3	1514.7	1912.2	2411.0
-17.5°	0.0	44.2	160.4	329.7	519.4	704.4	906.0	1159.1	1478.0	1862.2	2338.2
-20°	0.0	43.5	156.9	322.0	508.0	690.7	887.2	1130.1	1435.8	1804.8	2254.8

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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	42.8	152.9	313.3	495.1	675.3	866.1	1097.6	1388.4	1740.2	2161.1
-25°	0.0	42.0	148.5	303.6	480.8	658.2	842.7	1061.4	1335.7	1668.7	2057.2
-27.5°	0.0	41.1	143.6	292.9	465.1	639.4	817.0	1021.8	1278.1	1594.8	1968.3
-30°	0.0	40.1	138.3	281.3	448.1	619.0	789.1	978.8	1223.7	1523.9	1873.2
-32.5°	0.0	39.0	132.6	268.8	429.7	597.0	759.1	941.0	1170.5	1447.7	1770.9
-35°	0.0	37.9	126.5	255.5	410.0	573.5	729.6	903.3	1113.7	1366.4	1661.9
-37.5°	0.0	36.7	120.0	241.3	389.1	548.0	699.5	863.3	1053.3	1280.1	1558.1
-40°	0.0	35.5	113.1	226.2	366.9	520.3	667.6	821.0	989.6	1202.8	1456.4
-42.5°	0.0	34.1	105.9	210.4	344.7	491.1	634.2	776.6	933.5	1127.2	1349.8
-45°	0.0	32.7	98.3	193.8	322.5	460.5	599.1	732.4	880.2	1048.2	1241.9
-47.5°	0.0	31.3	90.4	176.4	299.4	428.6	562.5	689.7	824.7	966.4	1150.3
-50°	0.0	29.8	82.1	162.7	275.3	395.4	522.9	645.3	767.1	901.5	1055.4
-52.5°	0.0	28.2	73.5	149.8	250.4	361.1	481.6	599.3	712.4	834.4	959.9
-55°	0.0	26.6	64.7	136.6	224.6	328.3	439.0	551.6	658.2	765.3	883.1
-57.5°	0.0	24.9	55.6	122.9	198.0	295.1	395.1	500.4	602.5	700.7	804.2
-60°	0.0	23.1	46.3	108.8	171.1	261.0	350.6	447.9	544.7	636.5	726.4
-62.5°	0.0	21.4	42.7	94.4	151.9	226.0	308.7	394.2	483.4	570.8	653.6
-65°	0.0	19.6	39.1	79.6	132.3	190.3	265.9	340.7	420.8	501.2	579.3
-67.5°	0.0	17.7	35.4	64.6	112.2	159.6	222.2	289.9	357.0	429.6	501.2
-70°	0.0	15.8	31.6	49.3	91.8	134.1	177.9	238.3	298.0	357.0	420.8
-72.5°	0.0	13.9	27.8	41.7	71.1	108.3	145.1	185.9	238.3	289.9	340.7
-75°	0.0	12.0	23.9	35.9	50.1	82.1	113.8	145.1	177.9	222.2	265.9
-77.5°	0.0	10.0	20.0	30.0	39.9	55.6	82.1	108.3	134.1	159.6	190.3
-80°	0.0	8.0	16.1	24.1	32.0	39.9	50.1	71.1	91.8	112.2	132.3
-82.5°	0.0	6.0	12.1	18.1	24.1	30.0	35.9	41.7	49.3	64.6	79.6
-85°	0.0	4.0	8.1	12.1	16.1	20.0	23.9	27.8	31.6	35.4	39.1
-87.5°	0.0	2.0	4.0	6.0	8.0	10.0	12.0	13.9	15.8	17.7	19.6
-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°	21.4	23.1	24.9	26.6	28.2	29.8	31.3	32.7	34.1	35.5	36.7
85°	42.7	46.3	55.6	64.7	73.5	82.1	90.4	98.3	105.9	113.1	120.0
82.5°	94.4	108.8	122.9	136.6	149.8	162.7	176.4	193.8	210.4	226.2	241.3
80°	151.9	171.1	198.0	224.6	250.4	275.3	299.4	322.5	344.7	366.9	389.1
77.5°	226.0	261.0	295.1	328.3	361.1	395.4	428.6	460.5	491.1	520.3	548.0
75°	308.7	350.6	395.1	439.0	481.6	522.9	562.5	599.1	634.2	667.6	699.5
72.5°	394.2	447.9	500.4	551.6	599.3	645.3	689.7	732.4	776.6	821.0	863.3
70°	483.4	544.7	602.5	658.2	712.4	767.1	824.7	880.2	933.5	989.6	1053.3
67.5°	570.8	636.5	700.7	765.3	834.4	901.5	966.4	1048.2	1127.2	1202.8	1280.1
65°	653.6	726.4	804.2	883.1	959.9	1055.4	1150.3	1241.9	1349.8	1456.4	1558.1
62.5°	735.0	823.7	912.4	1009.0	1120.0	1227.9	1353.0	1480.7	1603.6	1742.0	1876.7
60°	823.7	922.3	1034.9	1159.1	1286.9	1435.8	1580.2	1740.2	1901.4	2057.2	2248.4
57.5°	912.4	1034.9	1172.1	1320.1	1485.8	1653.1	1841.0	2022.8	2240.9	2458.7	2675.5
55°	1009.0	1159.1	1320.1	1502.6	1693.6	1902.0	2119.8	2373.7	2619.5	2893.3	3155.5
52.5°	1120.0	1286.9	1485.8	1693.6	1922.4	2173.0	2454.2	2744.9	3051.1	3348.4	3640.0
50°	1227.9	1435.8	1653.1	1902.0	2173.0	2481.1	2808.0	3146.6	3480.9	3807.0	4112.4
47.5°	1353.0	1580.2	1841.0	2119.8	2454.2	2808.0	3178.6	3547.6	3908.2	4242.7	4563.1
45°	1480.7	1740.2	2022.8	2373.7	2744.9	3146.6	3547.6	3942.1	4308.4	4654.1	4956.5
42.5°	1603.6	1901.4	2240.9	2619.5	3051.1	3480.9	3908.2	4308.4	4683.7	5016.6	5320.3
40°	1742.0	2057.2	2458.7	2893.3	3348.4	3807.0	4242.7	4654.1	5016.6	5348.0	5655.6
37.5°	1876.7	2248.4	2675.5	3155.5	3640.0	4112.4	4563.1	4956.5	5320.3	5655.6	5950.7
35°	2004.6	2430.2	2905.7	3409.7	3918.4	4398.6	4837.3	5237.8	5599.2	5924.6	6226.3
32.5°	2146.9	2602.0	3123.7	3653.9	4172.0	4661.0	5095.9	5487.6	5847.0	6177.4	6477.0
30°	2293.5	2787.3	3330.5	3883.9	4410.1	4888.5	5322.6	5719.2	6075.9	6402.2	6695.8
27.5°	2430.2	2962.1	3527.9	4092.0	4627.7	5101.8	5530.1	5920.6	6279.3	6607.8	6892.4
25°	2556.4	3123.7	3710.6	4282.5	4810.9	5286.1	5718.2	6108.5	6465.0	6780.4	7057.0
22.5°	2680.9	3271.7	3878.0	4457.3	4979.2	5450.8	5879.0	6270.3	6627.1	6939.5	7204.9
20°	2802.1	3409.7	4025.7	4612.3	5131.9	5600.4	6025.4	6415.9	6763.2	7065.6	7329.9
17.5°	2909.9	3532.6	4154.9	4737.5	5257.4	5728.2	6154.9	6546.7	6885.7	7179.5	7437.8
15°	3004.0	3640.0	4267.9	4847.1	5365.4	5834.4	6261.1	6648.6	6985.3	7276.6	7533.1
12.5°	3084.2	3731.6	4364.3	4940.6	5457.7	5925.2	6352.1	6734.2	7065.2	7352.8	7603.8
10°	3150.2	3807.0	4443.8	5017.7	5533.8	6000.3	6427.3	6805.1	7131.4	7416.0	7662.5
7.5°	3201.8	3865.9	4505.9	5078.1	5593.5	6059.1	6486.3	6860.7	7183.5	7465.9	7708.9
5°	3238.8	3908.2	4550.4	5121.4	5636.3	6101.3	6528.7	6900.8	7221.1	7501.8	7742.5
2.5°	3261.0	3933.6	4577.3	5147.5	5662.1	6126.8	6554.3	6924.9	7243.7	7523.5	7762.7
0°	3268.4	3942.1	4586.2	5156.2	5670.7	6135.3	6562.8	6933.0	7251.3	7530.8	7769.5
-2.5°	3261.0	3933.6	4577.3	5147.5	5662.1	6126.8	6554.3	6924.9	7243.7	7523.5	7762.7
-5°	3238.8	3908.2	4550.4	5121.4	5636.3	6101.3	6528.7	6900.8	7221.1	7501.8	7742.5
-7.5°	3201.8	3865.9	4505.9	5078.1	5593.5	6059.1	6486.3	6860.7	7183.5	7465.9	7708.9
-10°	3150.2	3807.0	4443.8	5017.7	5533.8	6000.3	6427.3	6805.1	7131.4	7416.0	7662.5
-12.5°	3084.2	3731.6	4364.3	4940.6	5457.7	5925.2	6352.1	6734.2	7065.2	7352.8	7603.8
-15°	3004.0	3640.0	4267.9	4847.1	5365.4	5834.4	6261.1	6648.6	6985.3	7276.6	7533.1
-17.5°	2909.9	3532.6	4154.9	4737.5	5257.4	5728.2	6154.9	6546.7	6885.7	7179.5	7437.8
-20°	2802.1	3409.7	4025.7	4612.3	5131.9	5600.4	6025.4	6415.9	6763.2	7065.6	7329.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2680.9	3271.7	3878.0	4457.3	4979.2	5450.8	5879.0	6270.3	6627.1	6939.5	7204.9
-25°	2556.4	3123.7	3710.6	4282.5	4810.9	5286.1	5718.2	6108.5	6465.0	6780.4	7057.0
-27.5°	2430.2	2962.1	3527.9	4092.0	4627.7	5101.8	5530.1	5920.6	6279.3	6607.8	6892.4
-30°	2293.5	2787.3	3330.5	3883.9	4410.1	4888.5	5322.6	5719.2	6075.9	6402.2	6695.8
-32.5°	2146.9	2602.0	3123.7	3653.9	4172.0	4661.0	5095.9	5487.6	5847.0	6177.4	6477.0
-35°	2004.6	2430.2	2905.7	3409.7	3918.4	4398.6	4837.3	5237.8	5599.2	5924.6	6226.3
-37.5°	1876.7	2248.4	2675.5	3155.5	3640.0	4112.4	4563.1	4956.5	5320.3	5655.6	5950.7
-40°	1742.0	2057.2	2458.7	2893.3	3348.4	3807.0	4242.7	4654.1	5016.6	5348.0	5655.6
-42.5°	1603.6	1901.4	2240.9	2619.5	3051.1	3480.9	3908.2	4308.4	4683.7	5016.6	5320.3
-45°	1480.7	1740.2	2022.8	2373.7	2744.9	3146.6	3547.6	3942.1	4308.4	4654.1	4956.5
-47.5°	1353.0	1580.2	1841.0	2119.8	2454.2	2808.0	3178.6	3547.6	3908.2	4242.7	4563.1
-50°	1227.9	1435.8	1653.1	1902.0	2173.0	2481.1	2808.0	3146.6	3480.9	3807.0	4112.4
-52.5°	1120.0	1286.9	1485.8	1693.6	1922.4	2173.0	2454.2	2744.9	3051.1	3348.4	3640.0
-55°	1009.0	1159.1	1320.1	1502.6	1693.6	1902.0	2119.8	2373.7	2619.5	2893.3	3155.5
-57.5°	912.4	1034.9	1172.1	1320.1	1485.8	1653.1	1841.0	2022.8	2240.9	2458.7	2675.5
-60°	823.7	922.3	1034.9	1159.1	1286.9	1435.8	1580.2	1740.2	1901.4	2057.2	2248.4
-62.5°	735.0	823.7	912.4	1009.0	1120.0	1227.9	1353.0	1480.7	1603.6	1742.0	1876.7
-65°	653.6	726.4	804.2	883.1	959.9	1055.4	1150.3	1241.9	1349.8	1456.4	1558.1
-67.5°	570.8	636.5	700.7	765.3	834.4	901.5	966.4	1048.2	1127.2	1202.8	1280.1
-70°	483.4	544.7	602.5	658.2	712.4	767.1	824.7	880.2	933.5	989.6	1053.3
-72.5°	394.2	447.9	500.4	551.6	599.3	645.3	689.7	732.4	776.6	821.0	863.3
-75°	308.7	350.6	395.1	439.0	481.6	522.9	562.5	599.1	634.2	667.6	699.5
-77.5°	226.0	261.0	295.1	328.3	361.1	395.4	428.6	460.5	491.1	520.3	548.0
-80°	151.9	171.1	198.0	224.6	250.4	275.3	299.4	322.5	344.7	366.9	389.1
-82.5°	94.4	108.8	122.9	136.6	149.8	162.7	176.4	193.8	210.4	226.2	241.3
-85°	42.7	46.3	55.6	64.7	73.5	82.1	90.4	98.3	105.9	113.1	120.0
-87.5°	21.4	23.1	24.9	26.6	28.2	29.8	31.3	32.7	34.1	35.5	36.7
-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: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-LAM-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°	37.9	39.0	40.1	41.1	42.0	42.8	43.5	44.2	44.7	45.2	45.6
85°	126.5	132.6	138.3	143.6	148.5	152.9	156.9	160.4	163.5	166.1	168.3
82.5°	255.5	268.8	281.3	292.9	303.6	313.3	322.0	329.7	336.5	342.2	346.9
80°	410.0	429.7	448.1	465.1	480.8	495.1	508.0	519.4	529.3	537.8	544.7
77.5°	573.5	597.0	619.0	639.4	658.2	675.3	690.7	704.4	716.3	726.4	734.7
75°	729.6	759.1	789.1	817.0	842.7	866.1	887.2	906.0	922.3	936.1	947.5
72.5°	903.3	941.0	978.8	1021.8	1061.4	1097.6	1130.1	1159.1	1184.3	1205.7	1223.3
70°	1113.7	1170.5	1223.7	1278.1	1335.7	1388.4	1435.8	1478.0	1514.7	1546.0	1571.7
67.5°	1366.4	1447.7	1523.9	1594.8	1668.7	1740.2	1804.8	1862.2	1912.2	1954.8	1989.9
65°	1661.9	1770.9	1873.2	1968.3	2057.2	2161.1	2254.8	2338.2	2411.0	2472.9	2523.9
62.5°	2004.6	2146.9	2293.5	2430.2	2556.4	2680.9	2802.1	2909.9	3004.0	3084.2	3150.2
60°	2430.2	2602.0	2787.3	2962.1	3123.7	3271.7	3409.7	3532.6	3640.0	3731.6	3807.0
57.5°	2905.7	3123.7	3330.5	3527.9	3710.6	3878.0	4025.7	4154.9	4267.9	4364.3	4443.8
55°	3409.7	3653.9	3883.9	4092.0	4282.5	4457.3	4612.3	4737.5	4847.1	4940.6	5017.7
52.5°	3918.4	4172.0	4410.1	4627.7	4810.9	4979.2	5131.9	5257.4	5365.4	5457.7	5533.8
50°	4398.6	4661.0	4888.5	5101.8	5286.1	5450.8	5600.4	5728.2	5834.4	5925.2	6000.3
47.5°	4837.3	5095.9	5322.6	5530.1	5718.2	5879.0	6025.4	6154.9	6261.1	6352.1	6427.3
45°	5237.8	5487.6	5719.2	5920.6	6108.5	6270.3	6415.9	6546.7	6648.6	6734.2	6805.1
42.5°	5599.2	5847.0	6075.9	6279.3	6465.0	6627.1	6763.2	6885.7	6985.3	7065.2	7131.4
40°	5924.6	6177.4	6402.2	6607.8	6780.4	6939.5	7065.6	7179.5	7276.6	7352.8	7416.0
37.5°	6226.3	6477.0	6695.8	6892.4	7057.0	7204.9	7329.9	7437.8	7533.1	7603.8	7662.5
35°	6502.1	6740.3	6956.8	7136.9	7300.1	7439.4	7562.5	7662.0	7750.6	7817.9	7871.5
32.5°	6740.3	6976.5	7177.4	7354.8	7514.2	7644.1	7762.1	7853.3	7933.7	7998.5	8048.3
30°	6956.8	7177.4	7373.2	7549.0	7694.1	7820.7	7926.9	8016.0	8090.2	8152.0	8195.8
27.5°	7136.9	7354.8	7549.0	7710.9	7849.8	7971.7	8069.0	8154.7	8219.5	8276.3	8314.1
25°	7300.1	7514.2	7694.1	7849.8	7984.7	8096.0	8188.5	8266.2	8323.7	8372.4	8400.4
22.5°	7439.4	7644.1	7820.7	7971.7	8096.0	8200.0	8287.2	8353.0	8400.0	8429.5	8446.1
20°	7562.5	7762.1	7926.9	8069.0	8188.5	8287.2	8362.9	8411.5	8444.3	8452.4	8457.1
17.5°	7662.0	7853.3	8016.0	8154.7	8266.2	8353.0	8411.5	8445.8	8455.7	8453.9	8449.0
15°	7750.6	7933.7	8090.2	8219.5	8323.7	8400.0	8444.3	8455.7	8452.8	8442.8	8427.6
12.5°	7817.9	7998.5	8152.0	8276.3	8372.4	8429.5	8452.4	8453.9	8442.8	8423.9	8402.3
10°	7871.5	8048.3	8195.8	8314.1	8400.4	8446.1	8457.1	8449.0	8427.6	8402.3	8378.3
7.5°	7913.9	8087.8	8230.7	8344.2	8418.8	8451.2	8453.6	8438.3	8412.6	8383.8	8357.9
5°	7944.6	8116.5	8256.0	8366.1	8432.2	8454.9	8450.9	8429.8	8400.1	8370.0	8346.2
2.5°	7963.2	8133.9	8271.4	8379.5	8440.4	8457.2	8449.3	8424.6	8392.2	8361.2	8338.5
0°	7969.4	8139.7	8276.6	8384.0	8443.2	8458.0	8448.7	8422.8	8389.5	8358.1	8335.8
-2.5°	7963.2	8133.9	8271.4	8379.5	8440.4	8457.2	8449.3	8424.6	8392.2	8361.2	8338.5
-5°	7944.6	8116.5	8256.0	8366.1	8432.2	8454.9	8450.9	8429.8	8400.1	8370.0	8346.2
-7.5°	7913.9	8087.8	8230.7	8344.2	8418.8	8451.2	8453.6	8438.3	8412.6	8383.8	8357.9
-10°	7871.5	8048.3	8195.8	8314.1	8400.4	8446.1	8457.1	8449.0	8427.6	8402.3	8378.3
-12.5°	7817.9	7998.5	8152.0	8276.3	8372.4	8429.5	8452.4	8453.9	8442.8	8423.9	8402.3
-15°	7750.6	7933.7	8090.2	8219.5	8323.7	8400.0	8444.3	8455.7	8452.8	8442.8	8427.6
-17.5°	7662.0	7853.3	8016.0	8154.7	8266.2	8353.0	8411.5	8445.8	8455.7	8453.9	8449.0
-20°	7562.5	7762.1	7926.9	8069.0	8188.5	8287.2	8362.9	8411.5	8444.3	8452.4	8457.1

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Scaled Data Report



REPORT NUMBER: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7439.4	7644.1	7820.7	7971.7	8096.0	8200.0	8287.2	8353.0	8400.0	8429.5	8446.1
-25°	7300.1	7514.2	7694.1	7849.8	7984.7	8096.0	8188.5	8266.2	8323.7	8372.4	8400.4
-27.5°	7136.9	7354.8	7549.0	7710.9	7849.8	7971.7	8069.0	8154.7	8219.5	8276.3	8314.1
-30°	6956.8	7177.4	7373.2	7549.0	7694.1	7820.7	7926.9	8016.0	8090.2	8152.0	8195.8
-32.5°	6740.3	6976.5	7177.4	7354.8	7514.2	7644.1	7762.1	7853.3	7933.7	7998.5	8048.3
-35°	6502.1	6740.3	6956.8	7136.9	7300.1	7439.4	7562.5	7662.0	7750.6	7817.9	7871.5
-37.5°	6226.3	6477.0	6695.8	6892.4	7057.0	7204.9	7329.9	7437.8	7533.1	7603.8	7662.5
-40°	5924.6	6177.4	6402.2	6607.8	6780.4	6939.5	7065.6	7179.5	7276.6	7352.8	7416.0
-42.5°	5599.2	5847.0	6075.9	6279.3	6465.0	6627.1	6763.2	6885.7	6985.3	7065.2	7131.4
-45°	5237.8	5487.6	5719.2	5920.6	6108.5	6270.3	6415.9	6546.7	6648.6	6734.2	6805.1
-47.5°	4837.3	5095.9	5322.6	5530.1	5718.2	5879.0	6025.4	6154.9	6261.1	6352.1	6427.3
-50°	4398.6	4661.0	4888.5	5101.8	5286.1	5450.8	5600.4	5728.2	5834.4	5925.2	6000.3
-52.5°	3918.4	4172.0	4410.1	4627.7	4810.9	4979.2	5131.9	5257.4	5365.4	5457.7	5533.8
-55°	3409.7	3653.9	3883.9	4092.0	4282.5	4457.3	4612.3	4737.5	4847.1	4940.6	5017.7
-57.5°	2905.7	3123.7	3330.5	3527.9	3710.6	3878.0	4025.7	4154.9	4267.9	4364.3	4443.8
-60°	2430.2	2602.0	2787.3	2962.1	3123.7	3271.7	3409.7	3532.6	3640.0	3731.6	3807.0
-62.5°	2004.6	2146.9	2293.5	2430.2	2556.4	2680.9	2802.1	2909.9	3004.0	3084.2	3150.2
-65°	1661.9	1770.9	1873.2	1968.3	2057.2	2161.1	2254.8	2338.2	2411.0	2472.9	2523.9
-67.5°	1366.4	1447.7	1523.9	1594.8	1668.7	1740.2	1804.8	1862.2	1912.2	1954.8	1989.9
-70°	1113.7	1170.5	1223.7	1278.1	1335.7	1388.4	1435.8	1478.0	1514.7	1546.0	1571.7
-72.5°	903.3	941.0	978.8	1021.8	1061.4	1097.6	1130.1	1159.1	1184.3	1205.7	1223.3
-75°	729.6	759.1	789.1	817.0	842.7	866.1	887.2	906.0	922.3	936.1	947.5
-77.5°	573.5	597.0	619.0	639.4	658.2	675.3	690.7	704.4	716.3	726.4	734.7
-80°	410.0	429.7	448.1	465.1	480.8	495.1	508.0	519.4	529.3	537.8	544.7
-82.5°	255.5	268.8	281.3	292.9	303.6	313.3	322.0	329.7	336.5	342.2	346.9
-85°	126.5	132.6	138.3	143.6	148.5	152.9	156.9	160.4	163.5	166.1	168.3
-87.5°	37.9	39.0	40.1	41.1	42.0	42.8	43.5	44.2	44.7	45.2	45.6
-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: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-LAM-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°	45.9	46.1	46.3	46.3	46.3	46.1	45.9	45.6	45.2	44.7	44.2
85°	169.9	171.1	171.9	172.1	171.9	171.1	169.9	168.3	166.1	163.5	160.4
82.5°	350.6	353.2	354.8	355.3	354.8	353.2	350.6	346.9	342.2	336.5	329.7
80°	550.1	554.0	556.3	557.1	556.3	554.0	550.1	544.7	537.8	529.3	519.4
77.5°	741.2	745.9	748.7	749.6	748.7	745.9	741.2	734.7	726.4	716.3	704.4
75°	956.4	962.8	966.6	967.9	966.6	962.8	956.4	947.5	936.1	922.3	906.0
72.5°	1237.1	1246.9	1252.8	1254.8	1252.8	1246.9	1237.1	1223.3	1205.7	1184.3	1159.1
70°	1591.7	1606.1	1614.7	1617.6	1614.7	1606.1	1591.7	1571.7	1546.0	1514.7	1478.0
67.5°	2017.2	2036.8	2048.6	2052.5	2048.6	2036.8	2017.2	1989.9	1954.8	1912.2	1862.2
65°	2563.7	2592.2	2609.4	2615.1	2609.4	2592.2	2563.7	2523.9	2472.9	2411.0	2338.2
62.5°	3201.8	3238.8	3261.0	3268.4	3261.0	3238.8	3201.8	3150.2	3084.2	3004.0	2909.9
60°	3865.9	3908.2	3933.6	3942.1	3933.6	3908.2	3865.9	3807.0	3731.6	3640.0	3532.6
57.5°	4505.9	4550.4	4577.3	4586.2	4577.3	4550.4	4505.9	4443.8	4364.3	4267.9	4154.9
55°	5078.1	5121.4	5147.5	5156.2	5147.5	5121.4	5078.1	5017.7	4940.6	4847.1	4737.5
52.5°	5593.5	5636.3	5662.1	5670.7	5662.1	5636.3	5593.5	5533.8	5457.7	5365.4	5257.4
50°	6059.1	6101.3	6126.8	6135.3	6126.8	6101.3	6059.1	6000.3	5925.2	5834.4	5728.2
47.5°	6486.3	6528.7	6554.3	6562.8	6554.3	6528.7	6486.3	6427.3	6352.1	6261.1	6154.9
45°	6860.7	6900.8	6924.9	6933.0	6924.9	6900.8	6860.7	6805.1	6734.2	6648.6	6546.7
42.5°	7183.5	7221.1	7243.7	7251.3	7243.7	7221.1	7183.5	7131.4	7065.2	6985.3	6885.7
40°	7465.9	7501.8	7523.5	7530.8	7523.5	7501.8	7465.9	7416.0	7352.8	7276.6	7179.5
37.5°	7708.9	7742.5	7762.7	7769.5	7762.7	7742.5	7708.9	7662.5	7603.8	7533.1	7437.8
35°	7913.9	7944.6	7963.2	7969.4	7963.2	7944.6	7913.9	7871.5	7817.9	7750.6	7662.0
32.5°	8087.8	8116.5	8133.9	8139.7	8133.9	8116.5	8087.8	8048.3	7998.5	7933.7	7853.3
30°	8230.7	8256.0	8271.4	8276.6	8271.4	8256.0	8230.7	8195.8	8152.0	8090.2	8016.0
27.5°	8344.2	8366.1	8379.5	8384.0	8379.5	8366.1	8344.2	8314.1	8276.3	8219.5	8154.7
25°	8418.8	8432.2	8440.4	8443.2	8440.4	8432.2	8418.8	8400.4	8372.4	8323.7	8266.2
22.5°	8451.2	8454.9	8457.2	8458.0	8457.2	8454.9	8451.2	8446.1	8429.5	8400.0	8353.0
20°	8453.6	8450.9	8449.3	8448.7	8449.3	8450.9	8453.6	8457.1	8452.4	8444.3	8411.5
17.5°	8438.3	8429.8	8424.6	8422.8	8424.6	8429.8	8438.3	8449.0	8453.9	8455.7	8445.8
15°	8412.6	8400.1	8392.2	8389.5	8392.2	8400.1	8412.6	8427.6	8442.8	8452.8	8455.7
12.5°	8383.8	8370.0	8361.2	8358.1	8361.2	8370.0	8383.8	8402.3	8423.9	8442.8	8453.9
10°	8357.9	8346.2	8338.5	8335.8	8338.5	8346.2	8357.9	8378.3	8402.3	8427.6	8449.0
7.5°	8341.1	8330.7	8325.0	8322.9	8325.0	8330.7	8341.1	8357.9	8383.8	8412.6	8438.3
5°	8330.7	8320.3	8311.6	8308.1	8311.6	8320.3	8330.7	8346.2	8370.0	8400.1	8429.8
2.5°	8325.0	8311.6	8298.3	8291.4	8298.3	8311.6	8325.0	8338.5	8361.2	8392.2	8424.6
0°	8322.9	8308.1	8291.4	8293.3	8291.4	8308.1	8322.9	8335.8	8358.1	8389.5	8422.8
-2.5°	8325.0	8311.6	8298.3	8291.4	8298.3	8311.6	8325.0	8338.5	8361.2	8392.2	8424.6
-5°	8330.7	8320.3	8311.6	8308.1	8311.6	8320.3	8330.7	8346.2	8370.0	8400.1	8429.8
-7.5°	8341.1	8330.7	8325.0	8322.9	8325.0	8330.7	8341.1	8357.9	8383.8	8412.6	8438.3
-10°	8357.9	8346.2	8338.5	8335.8	8338.5	8346.2	8357.9	8378.3	8402.3	8427.6	8449.0
-12.5°	8383.8	8370.0	8361.2	8358.1	8361.2	8370.0	8383.8	8402.3	8423.9	8442.8	8453.9
-15°	8412.6	8400.1	8392.2	8389.5	8392.2	8400.1	8412.6	8427.6	8442.8	8452.8	8455.7
-17.5°	8438.3	8429.8	8424.6	8422.8	8424.6	8429.8	8438.3	8449.0	8453.9	8455.7	8445.8
-20°	8453.6	8450.9	8449.3	8448.7	8449.3	8450.9	8453.6	8457.1	8452.4	8444.3	8411.5



REPORT NUMBER: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8451.2	8454.9	8457.2	8458.0	8457.2	8454.9	8451.2	8446.1	8429.5	8400.0	8353.0
-25°	8418.8	8432.2	8440.4	8443.2	8440.4	8432.2	8418.8	8400.4	8372.4	8323.7	8266.2
-27.5°	8344.2	8366.1	8379.5	8384.0	8379.5	8366.1	8344.2	8314.1	8276.3	8219.5	8154.7
-30°	8230.7	8256.0	8271.4	8276.6	8271.4	8256.0	8230.7	8195.8	8152.0	8090.2	8016.0
-32.5°	8087.8	8116.5	8133.9	8139.7	8133.9	8116.5	8087.8	8048.3	7998.5	7933.7	7853.3
-35°	7913.9	7944.6	7963.2	7969.4	7963.2	7944.6	7913.9	7871.5	7817.9	7750.6	7662.0
-37.5°	7708.9	7742.5	7762.7	7769.5	7762.7	7742.5	7708.9	7662.5	7603.8	7533.1	7437.8
-40°	7465.9	7501.8	7523.5	7530.8	7523.5	7501.8	7465.9	7416.0	7352.8	7276.6	7179.5
-42.5°	7183.5	7221.1	7243.7	7251.3	7243.7	7221.1	7183.5	7131.4	7065.2	6985.3	6885.7
-45°	6860.7	6900.8	6924.9	6933.0	6924.9	6900.8	6860.7	6805.1	6734.2	6648.6	6546.7
-47.5°	6486.3	6528.7	6554.3	6562.8	6554.3	6528.7	6486.3	6427.3	6352.1	6261.1	6154.9
-50°	6059.1	6101.3	6126.8	6135.3	6126.8	6101.3	6059.1	6000.3	5925.2	5834.4	5728.2
-52.5°	5593.5	5636.3	5662.1	5670.7	5662.1	5636.3	5593.5	5533.8	5457.7	5365.4	5257.4
-55°	5078.1	5121.4	5147.5	5156.2	5147.5	5121.4	5078.1	5017.7	4940.6	4847.1	4737.5
-57.5°	4505.9	4550.4	4577.3	4586.2	4577.3	4550.4	4505.9	4443.8	4364.3	4267.9	4154.9
-60°	3865.9	3908.2	3933.6	3942.1	3933.6	3908.2	3865.9	3807.0	3731.6	3640.0	3532.6
-62.5°	3201.8	3238.8	3261.0	3268.4	3261.0	3238.8	3201.8	3150.2	3084.2	3004.0	2909.9
-65°	2563.7	2592.2	2609.4	2615.1	2609.4	2592.2	2563.7	2523.9	2472.9	2411.0	2338.2
-67.5°	2017.2	2036.8	2048.6	2052.5	2048.6	2036.8	2017.2	1989.9	1954.8	1912.2	1862.2
-70°	1591.7	1606.1	1614.7	1617.6	1614.7	1606.1	1591.7	1571.7	1546.0	1514.7	1478.0
-72.5°	1237.1	1246.9	1252.8	1254.8	1252.8	1246.9	1237.1	1223.3	1205.7	1184.3	1159.1
-75°	956.4	962.8	966.6	967.9	966.6	962.8	956.4	947.5	936.1	922.3	906.0
-77.5°	741.2	745.9	748.7	749.6	748.7	745.9	741.2	734.7	726.4	716.3	704.4
-80°	550.1	554.0	556.3	557.1	556.3	554.0	550.1	544.7	537.8	529.3	519.4
-82.5°	350.6	353.2	354.8	355.3	354.8	353.2	350.6	346.9	342.2	336.5	329.7
-85°	169.9	171.1	171.9	172.1	171.9	171.1	169.9	168.3	166.1	163.5	160.4
-87.5°	45.9	46.1	46.3	46.3	46.3	46.1	45.9	45.6	45.2	44.7	44.2
-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: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-LAM-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°	43.5	42.8	42.0	41.1	40.1	39.0	37.9	36.7	35.5	34.1	32.7
85°	156.9	152.9	148.5	143.6	138.3	132.6	126.5	120.0	113.1	105.9	98.3
82.5°	322.0	313.3	303.6	292.9	281.3	268.8	255.5	241.3	226.2	210.4	193.8
80°	508.0	495.1	480.8	465.1	448.1	429.7	410.0	389.1	366.9	344.7	322.5
77.5°	690.7	675.3	658.2	639.4	619.0	597.0	573.5	548.0	520.3	491.1	460.5
75°	887.2	866.1	842.7	817.0	789.1	759.1	729.6	699.5	667.6	634.2	599.1
72.5°	1130.1	1097.6	1061.4	1021.8	978.8	941.0	903.3	863.3	821.0	776.6	732.4
70°	1435.8	1388.4	1335.7	1278.1	1223.7	1170.5	1113.7	1053.3	989.6	933.5	880.2
67.5°	1804.8	1740.2	1668.7	1594.8	1523.9	1447.7	1366.4	1280.1	1202.8	1127.2	1048.2
65°	2254.8	2161.1	2057.2	1968.3	1873.2	1770.9	1661.9	1558.1	1456.4	1349.8	1241.9
62.5°	2802.1	2680.9	2556.4	2430.2	2293.5	2146.9	2004.6	1876.7	1742.0	1603.6	1480.7
60°	3409.7	3271.7	3123.7	2962.1	2787.3	2602.0	2430.2	2248.4	2057.2	1901.4	1740.2
57.5°	4025.7	3878.0	3710.6	3527.9	3330.5	3123.7	2905.7	2675.5	2458.7	2240.9	2022.8
55°	4612.3	4457.3	4282.5	4092.0	3883.9	3653.9	3409.7	3155.5	2893.3	2619.5	2373.7
52.5°	5131.9	4979.2	4810.9	4627.7	4410.1	4172.0	3918.4	3640.0	3348.4	3051.1	2744.9
50°	5600.4	5450.8	5286.1	5101.8	4888.5	4661.0	4398.6	4112.4	3807.0	3480.9	3146.6
47.5°	6025.4	5879.0	5718.2	5530.1	5322.6	5095.9	4837.3	4563.1	4242.7	3908.2	3547.6
45°	6415.9	6270.3	6108.5	5920.6	5719.2	5487.6	5237.8	4956.5	4654.1	4308.4	3942.1
42.5°	6763.2	6627.1	6465.0	6279.3	6075.9	5847.0	5599.2	5320.3	5016.6	4683.7	4308.4
40°	7065.6	6939.5	6780.4	6607.8	6402.2	6177.4	5924.6	5655.6	5348.0	5016.6	4654.1
37.5°	7329.9	7204.9	7057.0	6892.4	6695.8	6477.0	6226.3	5950.7	5655.6	5320.3	4956.5
35°	7562.5	7439.4	7300.1	7136.9	6956.8	6740.3	6502.1	6226.3	5924.6	5599.2	5237.8
32.5°	7762.1	7644.1	7514.2	7354.8	7177.4	6976.5	6740.3	6477.0	6177.4	5847.0	5487.6
30°	7926.9	7820.7	7694.1	7549.0	7373.2	7177.4	6956.8	6695.8	6402.2	6075.9	5719.2
27.5°	8069.0	7971.7	7849.8	7710.9	7549.0	7354.8	7136.9	6892.4	6607.8	6279.3	5920.6
25°	8188.5	8096.0	7984.7	7849.8	7694.1	7514.2	7300.1	7057.0	6780.4	6465.0	6108.5
22.5°	8287.2	8200.0	8096.0	7971.7	7820.7	7644.1	7439.4	7204.9	6939.5	6627.1	6270.3
20°	8362.9	8287.2	8188.5	8069.0	7926.9	7762.1	7562.5	7329.9	7065.6	6763.2	6415.9
17.5°	8411.5	8353.0	8266.2	8154.7	8016.0	7853.3	7662.0	7437.8	7179.5	6885.7	6546.7
15°	8444.3	8400.0	8323.7	8219.5	8090.2	7933.7	7750.6	7533.1	7276.6	6985.3	6648.6
12.5°	8452.4	8429.5	8372.4	8276.3	8152.0	7998.5	7817.9	7603.8	7352.8	7065.2	6734.2
10°	8457.1	8446.1	8400.4	8314.1	8195.8	8048.3	7871.5	7662.5	7416.0	7131.4	6805.1
7.5°	8453.6	8451.2	8418.8	8344.2	8230.7	8087.8	7913.9	7708.9	7465.9	7183.5	6860.7
5°	8450.9	8454.9	8432.2	8366.1	8256.0	8116.5	7944.6	7742.5	7501.8	7221.1	6900.8
2.5°	8449.3	8457.2	8440.4	8379.5	8271.4	8133.9	7963.2	7762.7	7523.5	7243.7	6924.9
0°	8448.7	8458.0	8443.2	8384.0	8276.6	8139.7	7969.4	7769.5	7530.8	7251.3	6933.0
-2.5°	8449.3	8457.2	8440.4	8379.5	8271.4	8133.9	7963.2	7762.7	7523.5	7243.7	6924.9
-5°	8450.9	8454.9	8432.2	8366.1	8256.0	8116.5	7944.6	7742.5	7501.8	7221.1	6900.8
-7.5°	8453.6	8451.2	8418.8	8344.2	8230.7	8087.8	7913.9	7708.9	7465.9	7183.5	6860.7
-10°	8457.1	8446.1	8400.4	8314.1	8195.8	8048.3	7871.5	7662.5	7416.0	7131.4	6805.1
-12.5°	8452.4	8429.5	8372.4	8276.3	8152.0	7998.5	7817.9	7603.8	7352.8	7065.2	6734.2
-15°	8444.3	8400.0	8323.7	8219.5	8090.2	7933.7	7750.6	7533.1	7276.6	6985.3	6648.6
-17.5°	8411.5	8353.0	8266.2	8154.7	8016.0	7853.3	7662.0	7437.8	7179.5	6885.7	6546.7
-20°	8362.9	8287.2	8188.5	8069.0	7926.9	7762.1	7562.5	7329.9	7065.6	6763.2	6415.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8287.2	8200.0	8096.0	7971.7	7820.7	7644.1	7439.4	7204.9	6939.5	6627.1	6270.3
-25°	8188.5	8096.0	7984.7	7849.8	7694.1	7514.2	7300.1	7057.0	6780.4	6465.0	6108.5
-27.5°	8069.0	7971.7	7849.8	7710.9	7549.0	7354.8	7136.9	6892.4	6607.8	6279.3	5920.6
-30°	7926.9	7820.7	7694.1	7549.0	7373.2	7177.4	6956.8	6695.8	6402.2	6075.9	5719.2
-32.5°	7762.1	7644.1	7514.2	7354.8	7177.4	6976.5	6740.3	6477.0	6177.4	5847.0	5487.6
-35°	7562.5	7439.4	7300.1	7136.9	6956.8	6740.3	6502.1	6226.3	5924.6	5599.2	5237.8
-37.5°	7329.9	7204.9	7057.0	6892.4	6695.8	6477.0	6226.3	5950.7	5655.6	5320.3	4956.5
-40°	7065.6	6939.5	6780.4	6607.8	6402.2	6177.4	5924.6	5655.6	5348.0	5016.6	4654.1
-42.5°	6763.2	6627.1	6465.0	6279.3	6075.9	5847.0	5599.2	5320.3	5016.6	4683.7	4308.4
-45°	6415.9	6270.3	6108.5	5920.6	5719.2	5487.6	5237.8	4956.5	4654.1	4308.4	3942.1
-47.5°	6025.4	5879.0	5718.2	5530.1	5322.6	5095.9	4837.3	4563.1	4242.7	3908.2	3547.6
-50°	5600.4	5450.8	5286.1	5101.8	4888.5	4661.0	4398.6	4112.4	3807.0	3480.9	3146.6
-52.5°	5131.9	4979.2	4810.9	4627.7	4410.1	4172.0	3918.4	3640.0	3348.4	3051.1	2744.9
-55°	4612.3	4457.3	4282.5	4092.0	3883.9	3653.9	3409.7	3155.5	2893.3	2619.5	2373.7
-57.5°	4025.7	3878.0	3710.6	3527.9	3330.5	3123.7	2905.7	2675.5	2458.7	2240.9	2022.8
-60°	3409.7	3271.7	3123.7	2962.1	2787.3	2602.0	2430.2	2248.4	2057.2	1901.4	1740.2
-62.5°	2802.1	2680.9	2556.4	2430.2	2293.5	2146.9	2004.6	1876.7	1742.0	1603.6	1480.7
-65°	2254.8	2161.1	2057.2	1968.3	1873.2	1770.9	1661.9	1558.1	1456.4	1349.8	1241.9
-67.5°	1804.8	1740.2	1668.7	1594.8	1523.9	1447.7	1366.4	1280.1	1202.8	1127.2	1048.2
-70°	1435.8	1388.4	1335.7	1278.1	1223.7	1170.5	1113.7	1053.3	989.6	933.5	880.2
-72.5°	1130.1	1097.6	1061.4	1021.8	978.8	941.0	903.3	863.3	821.0	776.6	732.4
-75°	887.2	866.1	842.7	817.0	789.1	759.1	729.6	699.5	667.6	634.2	599.1
-77.5°	690.7	675.3	658.2	639.4	619.0	597.0	573.5	548.0	520.3	491.1	460.5
-80°	508.0	495.1	480.8	465.1	448.1	429.7	410.0	389.1	366.9	344.7	322.5
-82.5°	322.0	313.3	303.6	292.9	281.3	268.8	255.5	241.3	226.2	210.4	193.8
-85°	156.9	152.9	148.5	143.6	138.3	132.6	126.5	120.0	113.1	105.9	98.3
-87.5°	43.5	42.8	42.0	41.1	40.1	39.0	37.9	36.7	35.5	34.1	32.7
-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: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-LAM-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°	31.3	29.8	28.2	26.6	24.9	23.1	21.4	19.6	17.7	15.8	13.9
85°	90.4	82.1	73.5	64.7	55.6	46.3	42.7	39.1	35.4	31.6	27.8
82.5°	176.4	162.7	149.8	136.6	122.9	108.8	94.4	79.6	64.6	49.3	41.7
80°	299.4	275.3	250.4	224.6	198.0	171.1	151.9	132.3	112.2	91.8	71.1
77.5°	428.6	395.4	361.1	328.3	295.1	261.0	226.0	190.3	159.6	134.1	108.3
75°	562.5	522.9	481.6	439.0	395.1	350.6	308.7	265.9	222.2	177.9	145.1
72.5°	689.7	645.3	599.3	551.6	500.4	447.9	394.2	340.7	289.9	238.3	185.9
70°	824.7	767.1	712.4	658.2	602.5	544.7	483.4	420.8	357.0	298.0	238.3
67.5°	966.4	901.5	834.4	765.3	700.7	636.5	570.8	501.2	429.6	357.0	289.9
65°	1150.3	1055.4	959.9	883.1	804.2	726.4	653.6	579.3	501.2	420.8	340.7
62.5°	1353.0	1227.9	1120.0	1009.0	912.4	823.7	735.0	653.6	570.8	483.4	394.2
60°	1580.2	1435.8	1286.9	1159.1	1034.9	922.3	823.7	726.4	636.5	544.7	447.9
57.5°	1841.0	1653.1	1485.8	1320.1	1172.1	1034.9	912.4	804.2	700.7	602.5	500.4
55°	2119.8	1902.0	1693.6	1502.6	1320.1	1159.1	1009.0	883.1	765.3	658.2	551.6
52.5°	2454.2	2173.0	1922.4	1693.6	1485.8	1286.9	1120.0	959.9	834.4	712.4	599.3
50°	2808.0	2481.1	2173.0	1902.0	1653.1	1435.8	1227.9	1055.4	901.5	767.1	645.3
47.5°	3178.6	2808.0	2454.2	2119.8	1841.0	1580.2	1353.0	1150.3	966.4	824.7	689.7
45°	3547.6	3146.6	2744.9	2373.7	2022.8	1740.2	1480.7	1241.9	1048.2	880.2	732.4
42.5°	3908.2	3480.9	3051.1	2619.5	2240.9	1901.4	1603.6	1349.8	1127.2	933.5	776.6
40°	4242.7	3807.0	3348.4	2893.3	2458.7	2057.2	1742.0	1456.4	1202.8	989.6	821.0
37.5°	4563.1	4112.4	3640.0	3155.5	2675.5	2248.4	1876.7	1558.1	1280.1	1053.3	863.3
35°	4837.3	4398.6	3918.4	3409.7	2905.7	2430.2	2004.6	1661.9	1366.4	1113.7	903.3
32.5°	5095.9	4661.0	4172.0	3653.9	3123.7	2602.0	2146.9	1770.9	1447.7	1170.5	941.0
30°	5322.6	4888.5	4410.1	3883.9	3330.5	2787.3	2293.5	1873.2	1523.9	1223.7	978.8
27.5°	5530.1	5101.8	4627.7	4092.0	3527.9	2962.1	2430.2	1968.3	1594.8	1278.1	1021.8
25°	5718.2	5286.1	4810.9	4282.5	3710.6	3123.7	2556.4	2057.2	1668.7	1335.7	1061.4
22.5°	5879.0	5450.8	4979.2	4457.3	3878.0	3271.7	2680.9	2161.1	1740.2	1388.4	1097.6
20°	6025.4	5600.4	5131.9	4612.3	4025.7	3409.7	2802.1	2254.8	1804.8	1435.8	1130.1
17.5°	6154.9	5728.2	5257.4	4737.5	4154.9	3532.6	2909.9	2338.2	1862.2	1478.0	1159.1
15°	6261.1	5834.4	5365.4	4847.1	4267.9	3640.0	3004.0	2411.0	1912.2	1514.7	1184.3
12.5°	6352.1	5925.2	5457.7	4940.6	4364.3	3731.6	3084.2	2472.9	1954.8	1546.0	1205.7
10°	6427.3	6000.3	5533.8	5017.7	4443.8	3807.0	3150.2	2523.9	1989.9	1571.7	1223.3
7.5°	6486.3	6059.1	5593.5	5078.1	4505.9	3865.9	3201.8	2563.7	2017.2	1591.7	1237.1
5°	6528.7	6101.3	5636.3	5121.4	4550.4	3908.2	3238.8	2592.2	2036.8	1606.1	1246.9
2.5°	6554.3	6126.8	5662.1	5147.5	4577.3	3933.6	3261.0	2609.4	2048.6	1614.7	1252.8
0°	6562.8	6135.3	5670.7	5156.2	4586.2	3942.1	3268.4	2615.1	2052.5	1617.6	1254.8
-2.5°	6554.3	6126.8	5662.1	5147.5	4577.3	3933.6	3261.0	2609.4	2048.6	1614.7	1252.8
-5°	6528.7	6101.3	5636.3	5121.4	4550.4	3908.2	3238.8	2592.2	2036.8	1606.1	1246.9
-7.5°	6486.3	6059.1	5593.5	5078.1	4505.9	3865.9	3201.8	2563.7	2017.2	1591.7	1237.1
-10°	6427.3	6000.3	5533.8	5017.7	4443.8	3807.0	3150.2	2523.9	1989.9	1571.7	1223.3
-12.5°	6352.1	5925.2	5457.7	4940.6	4364.3	3731.6	3084.2	2472.9	1954.8	1546.0	1205.7
-15°	6261.1	5834.4	5365.4	4847.1	4267.9	3640.0	3004.0	2411.0	1912.2	1514.7	1184.3
-17.5°	6154.9	5728.2	5257.4	4737.5	4154.9	3532.6	2909.9	2338.2	1862.2	1478.0	1159.1
-20°	6025.4	5600.4	5131.9	4612.3	4025.7	3409.7	2802.1	2254.8	1804.8	1435.8	1130.1



REPORT NUMBER: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5879.0	5450.8	4979.2	4457.3	3878.0	3271.7	2680.9	2161.1	1740.2	1388.4	1097.6
-25°	5718.2	5286.1	4810.9	4282.5	3710.6	3123.7	2556.4	2057.2	1668.7	1335.7	1061.4
-27.5°	5530.1	5101.8	4627.7	4092.0	3527.9	2962.1	2430.2	1968.3	1594.8	1278.1	1021.8
-30°	5322.6	4888.5	4410.1	3883.9	3330.5	2787.3	2293.5	1873.2	1523.9	1223.7	978.8
-32.5°	5095.9	4661.0	4172.0	3653.9	3123.7	2602.0	2146.9	1770.9	1447.7	1170.5	941.0
-35°	4837.3	4398.6	3918.4	3409.7	2905.7	2430.2	2004.6	1661.9	1366.4	1113.7	903.3
-37.5°	4563.1	4112.4	3640.0	3155.5	2675.5	2248.4	1876.7	1558.1	1280.1	1053.3	863.3
-40°	4242.7	3807.0	3348.4	2893.3	2458.7	2057.2	1742.0	1456.4	1202.8	989.6	821.0
-42.5°	3908.2	3480.9	3051.1	2619.5	2240.9	1901.4	1603.6	1349.8	1127.2	933.5	776.6
-45°	3547.6	3146.6	2744.9	2373.7	2022.8	1740.2	1480.7	1241.9	1048.2	880.2	732.4
-47.5°	3178.6	2808.0	2454.2	2119.8	1841.0	1580.2	1353.0	1150.3	966.4	824.7	689.7
-50°	2808.0	2481.1	2173.0	1902.0	1653.1	1435.8	1227.9	1055.4	901.5	767.1	645.3
-52.5°	2454.2	2173.0	1922.4	1693.6	1485.8	1286.9	1120.0	959.9	834.4	712.4	599.3
-55°	2119.8	1902.0	1693.6	1502.6	1320.1	1159.1	1009.0	883.1	765.3	658.2	551.6
-57.5°	1841.0	1653.1	1485.8	1320.1	1172.1	1034.9	912.4	804.2	700.7	602.5	500.4
-60°	1580.2	1435.8	1286.9	1159.1	1034.9	922.3	823.7	726.4	636.5	544.7	447.9
-62.5°	1353.0	1227.9	1120.0	1009.0	912.4	823.7	735.0	653.6	570.8	483.4	394.2
-65°	1150.3	1055.4	959.9	883.1	804.2	726.4	653.6	579.3	501.2	420.8	340.7
-67.5°	966.4	901.5	834.4	765.3	700.7	636.5	570.8	501.2	429.6	357.0	289.9
-70°	824.7	767.1	712.4	658.2	602.5	544.7	483.4	420.8	357.0	298.0	238.3
-72.5°	689.7	645.3	599.3	551.6	500.4	447.9	394.2	340.7	289.9	238.3	185.9
-75°	562.5	522.9	481.6	439.0	395.1	350.6	308.7	265.9	222.2	177.9	145.1
-77.5°	428.6	395.4	361.1	328.3	295.1	261.0	226.0	190.3	159.6	134.1	108.3
-80°	299.4	275.3	250.4	224.6	198.0	171.1	151.9	132.3	112.2	91.8	71.1
-82.5°	176.4	162.7	149.8	136.6	122.9	108.8	94.4	79.6	64.6	49.3	41.7
-85°	90.4	82.1	73.5	64.7	55.6	46.3	42.7	39.1	35.4	31.6	27.8
-87.5°	31.3	29.8	28.2	26.6	24.9	23.1	21.4	19.6	17.7	15.8	13.9
-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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-LAM-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°	12.0	10.0	8.0	6.0	4.0	2.0	0.0
85°	23.9	20.0	16.1	12.1	8.1	4.0	0.0
82.5°	35.9	30.0	24.1	18.1	12.1	6.0	0.0
80°	50.1	39.9	32.0	24.1	16.1	8.0	0.0
77.5°	82.1	55.6	39.9	30.0	20.0	10.0	0.0
75°	113.8	82.1	50.1	35.9	23.9	12.0	0.0
72.5°	145.1	108.3	71.1	41.7	27.8	13.9	0.0
70°	177.9	134.1	91.8	49.3	31.6	15.8	0.0
67.5°	222.2	159.6	112.2	64.6	35.4	17.7	0.0
65°	265.9	190.3	132.3	79.6	39.1	19.6	0.0
62.5°	308.7	226.0	151.9	94.4	42.7	21.4	0.0
60°	350.6	261.0	171.1	108.8	46.3	23.1	0.0
57.5°	395.1	295.1	198.0	122.9	55.6	24.9	0.0
55°	439.0	328.3	224.6	136.6	64.7	26.6	0.0
52.5°	481.6	361.1	250.4	149.8	73.5	28.2	0.0
50°	522.9	395.4	275.3	162.7	82.1	29.8	0.0
47.5°	562.5	428.6	299.4	176.4	90.4	31.3	0.0
45°	599.1	460.5	322.5	193.8	98.3	32.7	0.0
42.5°	634.2	491.1	344.7	210.4	105.9	34.1	0.0
40°	667.6	520.3	366.9	226.2	113.1	35.5	0.0
37.5°	699.5	548.0	389.1	241.3	120.0	36.7	0.0
35°	729.6	573.5	410.0	255.5	126.5	37.9	0.0
32.5°	759.1	597.0	429.7	268.8	132.6	39.0	0.0
30°	789.1	619.0	448.1	281.3	138.3	40.1	0.0
27.5°	817.0	639.4	465.1	292.9	143.6	41.1	0.0
25°	842.7	658.2	480.8	303.6	148.5	42.0	0.0
22.5°	866.1	675.3	495.1	313.3	152.9	42.8	0.0
20°	887.2	690.7	508.0	322.0	156.9	43.5	0.0
17.5°	906.0	704.4	519.4	329.7	160.4	44.2	0.0
15°	922.3	716.3	529.3	336.5	163.5	44.7	0.0
12.5°	936.1	726.4	537.8	342.2	166.1	45.2	0.0
10°	947.5	734.7	544.7	346.9	168.3	45.6	0.0
7.5°	956.4	741.2	550.1	350.6	169.9	45.9	0.0
5°	962.8	745.9	554.0	353.2	171.1	46.1	0.0
2.5°	966.6	748.7	556.3	354.8	171.9	46.3	0.0
0°	967.9	749.6	557.1	355.3	172.1	46.3	0.0
-2.5°	966.6	748.7	556.3	354.8	171.9	46.3	0.0
-5°	962.8	745.9	554.0	353.2	171.1	46.1	0.0
-7.5°	956.4	741.2	550.1	350.6	169.9	45.9	0.0
-10°	947.5	734.7	544.7	346.9	168.3	45.6	0.0
-12.5°	936.1	726.4	537.8	342.2	166.1	45.2	0.0
-15°	922.3	716.3	529.3	336.5	163.5	44.7	0.0
-17.5°	906.0	704.4	519.4	329.7	160.4	44.2	0.0
-20°	887.2	690.7	508.0	322.0	156.9	43.5	0.0

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Scaled Data Report



REPORT NUMBER: P645514 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	866.1	675.3	495.1	313.3	152.9	42.8	0.0
-25°	842.7	658.2	480.8	303.6	148.5	42.0	0.0
-27.5°	817.0	639.4	465.1	292.9	143.6	41.1	0.0
-30°	789.1	619.0	448.1	281.3	138.3	40.1	0.0
-32.5°	759.1	597.0	429.7	268.8	132.6	39.0	0.0
-35°	729.6	573.5	410.0	255.5	126.5	37.9	0.0
-37.5°	699.5	548.0	389.1	241.3	120.0	36.7	0.0
-40°	667.6	520.3	366.9	226.2	113.1	35.5	0.0
-42.5°	634.2	491.1	344.7	210.4	105.9	34.1	0.0
-45°	599.1	460.5	322.5	193.8	98.3	32.7	0.0
-47.5°	562.5	428.6	299.4	176.4	90.4	31.3	0.0
-50°	522.9	395.4	275.3	162.7	82.1	29.8	0.0
-52.5°	481.6	361.1	250.4	149.8	73.5	28.2	0.0
-55°	439.0	328.3	224.6	136.6	64.7	26.6	0.0
-57.5°	395.1	295.1	198.0	122.9	55.6	24.9	0.0
-60°	350.6	261.0	171.1	108.8	46.3	23.1	0.0
-62.5°	308.7	226.0	151.9	94.4	42.7	21.4	0.0
-65°	265.9	190.3	132.3	79.6	39.1	19.6	0.0
-67.5°	222.2	159.6	112.2	64.6	35.4	17.7	0.0
-70°	177.9	134.1	91.8	49.3	31.6	15.8	0.0
-72.5°	145.1	108.3	71.1	41.7	27.8	13.9	0.0
-75°	113.8	82.1	50.1	35.9	23.9	12.0	0.0
-77.5°	82.1	55.6	39.9	30.0	20.0	10.0	0.0
-80°	50.1	39.9	32.0	24.1	16.1	8.0	0.0
-82.5°	35.9	30.0	24.1	18.1	12.1	6.0	0.0
-85°	23.9	20.0	16.1	12.1	8.1	4.0	0.0
-87.5°	12.0	10.0	8.0	6.0	4.0	2.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)