

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: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-VWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627501 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-727-U-VWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N92
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29353.9 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 7H x 7V
Max Intensity: 16240.8 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 79.6°H x 78.9°V
Beam Lumens: 17216.2 lumens
Beam Efficiency: 58.7%

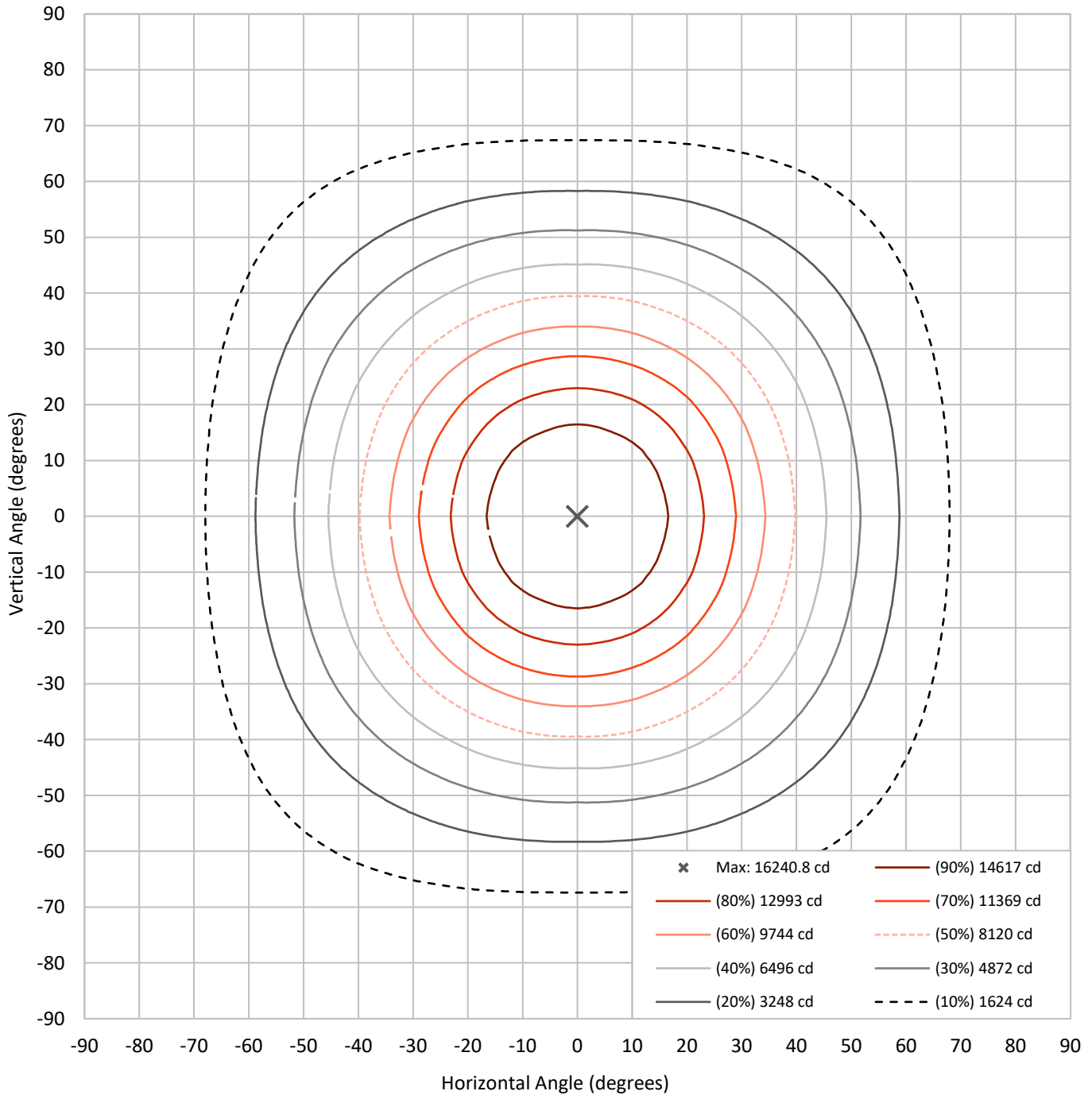
Field Angle (10%): 135.9°H x 134.8°V
Field Lumens: 27983.9 lumens
Field Efficiency: 95.3%

Input Watts (W): 255.9
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



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

Iso-Candela Plot





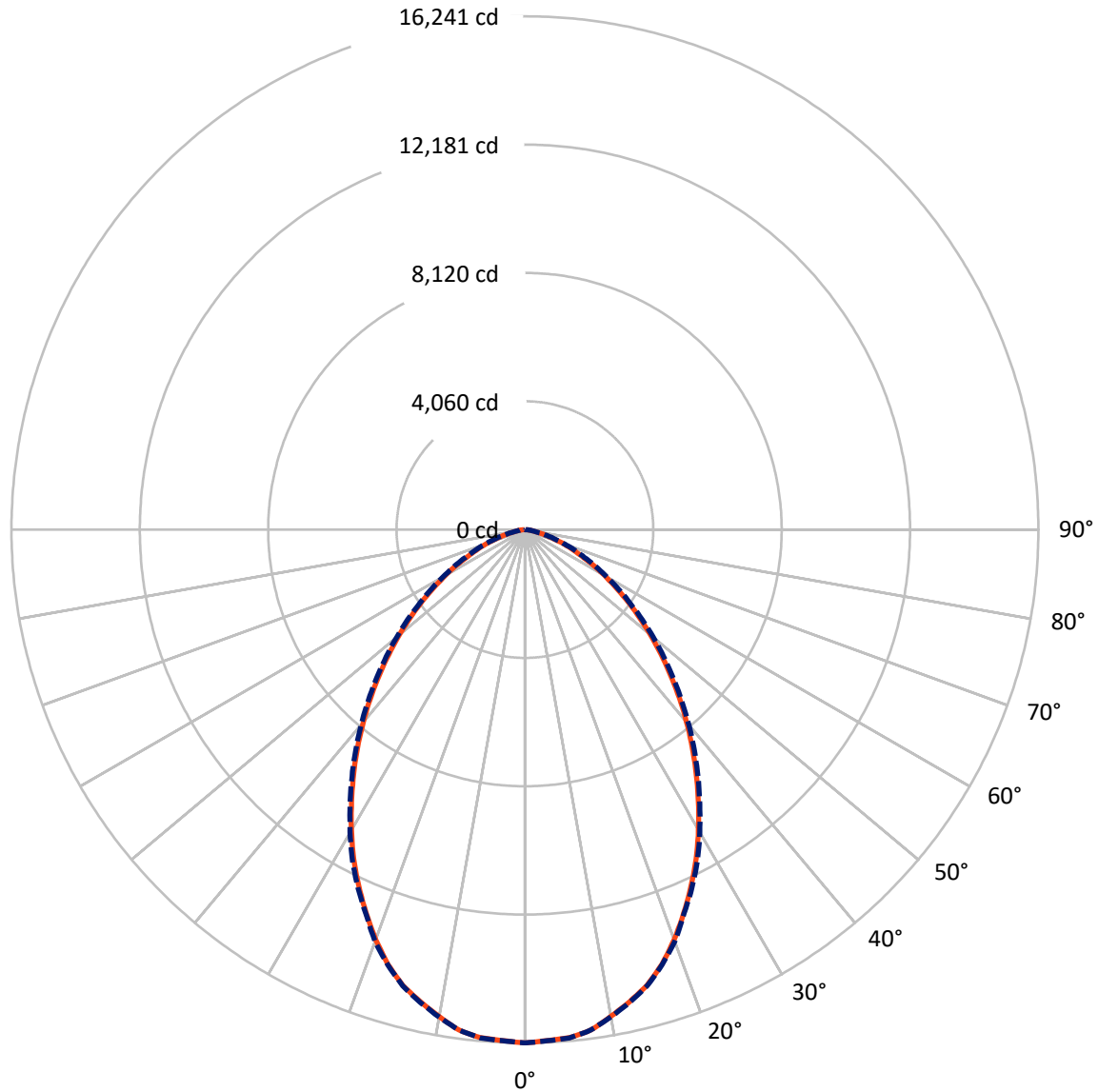
REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

Lumen Table

90																			
80	1.0	12.0	32.7	55.6	52.4	55.6	32.7	12.0	1.0										
70																			
60	5.4	7.5	15.2	25.9	37.9	48.9	57.2	61.2	61.2	57.2	48.9	37.9	25.9	15.2	7.5				5.4
50		11.3	24.7	44.0	66.7	90.6	110.3	120.5	120.5	110.3	90.6	66.7	44.0	24.7	11.3				
40	9.6	15.2	35.7	65.9	104.4	144.7	178.5	197.0	197.0	178.5	144.7	104.4	65.9	35.7	15.2				9.6
30		19.2	47.3	90.7	146.2	204.9	255.1	283.6	283.6	255.1	204.9	146.2	90.7	47.3	19.2				
20	12.3	23.0	58.2	114.1	186.1	264.2	332.3	371.3	371.3	332.3	264.2	186.1	114.1	58.2	23.0				12.3
10		25.9	66.6	131.5	217.2	312.2	395.9	443.6	443.6	395.9	312.2	217.2	131.5	66.6	25.9				
0	13.4	27.5	71.2	141.5	234.6	338.8	430.4	480.5	480.5	430.4	338.8	234.6	141.5	71.2	27.5				13.4
-10		27.5	71.2	141.5	234.6	338.8	430.4	480.5	480.5	430.4	338.8	234.6	141.5	71.2	27.5				
-20	12.3	25.9	66.6	131.5	217.2	312.2	395.9	443.6	443.6	395.9	312.2	217.2	131.5	66.6	25.9				12.3
-30		23.0	58.2	114.1	186.1	264.2	332.3	371.3	371.3	332.3	264.2	186.1	114.1	58.2	23.0				
-40	9.6	19.2	47.3	90.7	146.2	204.9	255.1	283.6	283.6	255.1	204.9	146.2	90.7	47.3	19.2				9.6
-50		15.2	35.7	65.9	104.4	144.7	178.5	197.0	197.0	178.5	144.7	104.4	65.9	35.7	15.2				
-60	5.4	11.3	24.7	44.0	66.7	90.6	110.3	120.5	120.5	110.3	90.6	66.7	44.0	24.7	11.3				5.4
-70		7.5	15.2	25.9	37.9	48.9	57.2	61.2	61.2	57.2	48.9	37.9	25.9	15.2	7.5				
-80	1.0	12.0	32.7	55.6	52.4	55.6	32.7	12.0	1.0										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

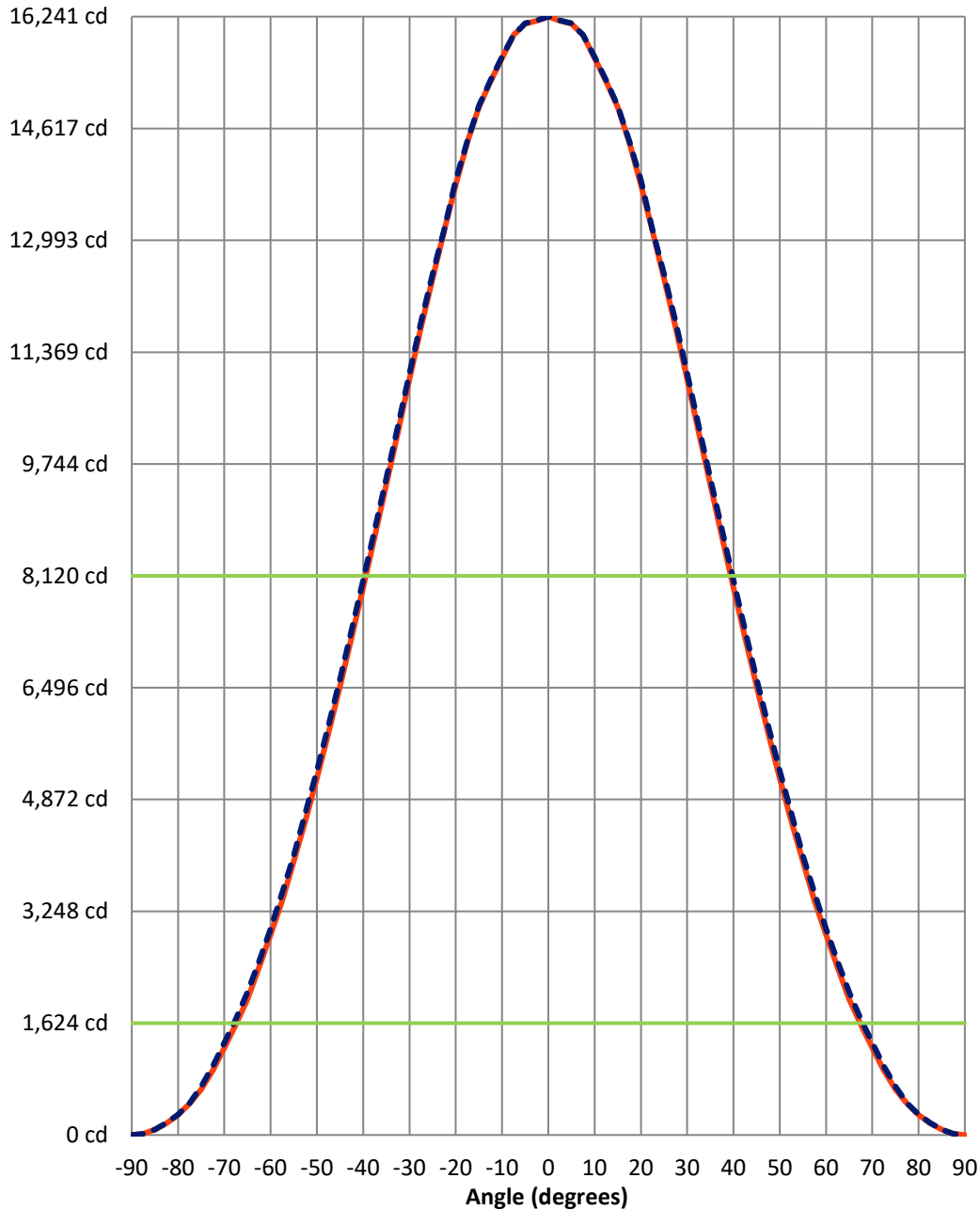
Luminous Intensity Polar Plot



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

REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 17216.2
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 27983.9
 Efficiency: 95.3%

Spill:
 Lumens: 1370
 Efficiency: 4.7%

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

Classified

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

Scaled Data Report



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

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	0.9	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
85°	0.0	1.9	4.2	6.3	8.4	10.5	12.6	14.6	16.6	18.6	20.5
82.5°	0.0	2.8	6.3	9.5	12.6	15.7	18.8	21.9	27.4	43.1	58.2
80°	0.0	3.7	8.4	12.6	16.8	20.9	28.3	50.5	71.8	92.2	111.8
77.5°	0.0	4.6	10.4	15.7	20.9	32.8	61.8	89.7	115.9	141.1	172.3
75°	0.0	5.5	12.5	18.8	27.3	56.9	94.4	128.6	161.4	206.5	254.3
72.5°	0.0	6.4	14.4	21.9	43.5	80.2	126.1	170.5	221.9	276.8	334.9
70°	0.0	7.2	16.4	26.2	59.2	102.7	157.7	220.6	281.1	345.8	421.3
67.5°	0.0	8.1	18.2	35.9	74.3	124.3	195.6	269.6	339.1	420.7	507.3
65°	0.0	8.9	20.0	45.2	88.8	148.4	231.9	317.2	401.7	493.4	587.8
62.5°	0.0	9.7	21.8	54.2	102.4	174.9	266.3	367.0	462.2	563.0	659.8
60°	0.0	10.4	23.5	62.6	115.3	199.9	298.7	416.4	520.5	628.0	730.8
57.5°	0.0	11.2	28.2	70.5	132.4	223.3	332.9	462.5	577.9	692.0	798.1
55°	0.0	11.9	32.8	77.9	148.7	245.2	365.3	502.3	634.4	753.7	862.7
52.5°	0.0	12.6	37.3	84.7	163.8	265.9	395.3	543.6	689.5	810.6	925.7
50°	0.0	13.2	41.6	91.0	177.8	287.9	422.7	582.9	741.9	865.7	997.8
47.5°	0.0	13.9	45.6	97.5	190.5	308.1	448.4	619.5	789.4	919.1	1068.5
45°	0.0	14.4	49.5	105.9	202.0	326.2	477.1	653.1	826.3	979.5	1136.1
42.5°	0.0	15.0	53.1	113.6	212.1	342.3	503.3	684.1	861.6	1037.3	1215.8
40°	0.0	15.5	56.6	121.4	222.3	356.4	527.1	713.4	898.3	1091.4	1293.4
37.5°	0.0	16.0	59.8	129.2	232.4	368.4	548.4	741.2	939.5	1142.8	1366.2
35°	0.0	16.4	62.8	136.4	241.1	382.3	567.2	767.4	979.7	1202.0	1439.5
32.5°	0.0	16.8	65.5	143.0	248.3	396.3	584.6	791.9	1018.7	1258.9	1517.2
30°	0.0	17.1	68.1	149.1	254.2	408.1	602.7	816.5	1056.3	1313.2	1589.7
27.5°	0.0	17.5	70.3	154.6	262.9	418.0	619.0	844.9	1095.0	1364.9	1657.1
25°	0.0	17.7	72.4	159.5	271.0	425.8	633.3	871.4	1135.4	1417.4	1719.4
22.5°	0.0	18.0	74.1	163.9	278.2	433.6	645.5	895.6	1172.6	1467.1	1785.7
20°	0.0	18.2	75.7	167.6	284.4	444.4	655.6	917.4	1206.3	1511.5	1845.2
17.5°	0.0	18.3	77.0	170.8	289.6	453.2	668.3	936.5	1236.4	1550.5	1897.6
15°	0.0	18.4	78.0	173.4	293.8	460.1	681.4	954.9	1262.5	1583.9	1942.9
12.5°	0.0	18.5	78.8	175.4	297.0	465.0	692.1	972.1	1286.1	1611.6	1980.7
10°	0.0	18.5	79.3	176.8	299.2	468.1	700.2	985.3	1306.5	1637.7	2012.6
7.5°	0.0	18.5	79.6	177.6	300.4	469.3	705.8	994.6	1322.2	1658.7	2040.2
5°	0.0	18.5	79.7	177.8	300.7	468.8	708.6	999.8	1333.0	1673.9	2060.0
2.5°	0.0	18.4	79.5	177.4	300.0	466.5	708.8	1001.1	1338.7	1683.1	2071.8
0°	0.0	18.3	79.1	176.5	298.3	462.6	706.1	998.3	1339.2	1686.2	2075.8
-2.5°	0.0	18.4	79.5	177.4	300.0	466.5	708.8	1001.1	1338.7	1683.1	2071.8
-5°	0.0	18.5	79.7	177.8	300.7	468.8	708.6	999.8	1333.0	1673.9	2060.0
-7.5°	0.0	18.5	79.6	177.6	300.4	469.3	705.8	994.6	1322.2	1658.7	2040.2
-10°	0.0	18.5	79.3	176.8	299.2	468.1	700.2	985.3	1306.5	1637.7	2012.6
-12.5°	0.0	18.5	78.8	175.4	297.0	465.0	692.1	972.1	1286.1	1611.6	1980.7
-15°	0.0	18.4	78.0	173.4	293.8	460.1	681.4	954.9	1262.5	1583.9	1942.9
-17.5°	0.0	18.3	77.0	170.8	289.6	453.2	668.3	936.5	1236.4	1550.5	1897.6
-20°	0.0	18.2	75.7	167.6	284.4	444.4	655.6	917.4	1206.3	1511.5	1845.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.0	74.1	163.9	278.2	433.6	645.5	895.6	1172.6	1467.1	1785.7
-25°	0.0	17.7	72.4	159.5	271.0	425.8	633.3	871.4	1135.4	1417.4	1719.4
-27.5°	0.0	17.5	70.3	154.6	262.9	418.0	619.0	844.9	1095.0	1364.9	1657.1
-30°	0.0	17.1	68.1	149.1	254.2	408.1	602.7	816.5	1056.3	1313.2	1589.7
-32.5°	0.0	16.8	65.5	143.0	248.3	396.3	584.6	791.9	1018.7	1258.9	1517.2
-35°	0.0	16.4	62.8	136.4	241.1	382.3	567.2	767.4	979.7	1202.0	1439.5
-37.5°	0.0	16.0	59.8	129.2	232.4	368.4	548.4	741.2	939.5	1142.8	1366.2
-40°	0.0	15.5	56.6	121.4	222.3	356.4	527.1	713.4	898.3	1091.4	1293.4
-42.5°	0.0	15.0	53.1	113.6	212.1	342.3	503.3	684.1	861.6	1037.3	1215.8
-45°	0.0	14.4	49.5	105.9	202.0	326.2	477.1	653.1	826.3	979.5	1136.1
-47.5°	0.0	13.9	45.6	97.5	190.5	308.1	448.4	619.5	789.4	919.1	1068.5
-50°	0.0	13.2	41.6	91.0	177.8	287.9	422.7	582.9	741.9	865.7	997.8
-52.5°	0.0	12.6	37.3	84.7	163.8	265.9	395.3	543.6	689.5	810.6	925.7
-55°	0.0	11.9	32.8	77.9	148.7	245.2	365.3	502.3	634.4	753.7	862.7
-57.5°	0.0	11.2	28.2	70.5	132.4	223.3	332.9	462.5	577.9	692.0	798.1
-60°	0.0	10.4	23.5	62.6	115.3	199.9	298.7	416.4	520.5	628.0	730.8
-62.5°	0.0	9.7	21.8	54.2	102.4	174.9	266.3	367.0	462.2	563.0	659.8
-65°	0.0	8.9	20.0	45.2	88.8	148.4	231.9	317.2	401.7	493.4	587.8
-67.5°	0.0	8.1	18.2	35.9	74.3	124.3	195.6	269.6	339.1	420.7	507.3
-70°	0.0	7.2	16.4	26.2	59.2	102.7	157.7	220.6	281.1	345.8	421.3
-72.5°	0.0	6.4	14.4	21.9	43.5	80.2	126.1	170.5	221.9	276.8	334.9
-75°	0.0	5.5	12.5	18.8	27.3	56.9	94.4	128.6	161.4	206.5	254.3
-77.5°	0.0	4.6	10.4	15.7	20.9	32.8	61.8	89.7	115.9	141.1	172.3
-80°	0.0	3.7	8.4	12.6	16.8	20.9	28.3	50.5	71.8	92.2	111.8
-82.5°	0.0	2.8	6.3	9.5	12.6	15.7	18.8	21.9	27.4	43.1	58.2
-85°	0.0	1.9	4.2	6.3	8.4	10.5	12.6	14.6	16.6	18.6	20.5
-87.5°	0.0	0.9	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

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°	11.9	13.7	15.5	17.4	17.6	17.6	17.5	17.2	17.9	18.6	19.3
85°	23.8	27.3	37.9	48.2	53.1	56.1	57.5	57.3	66.6	77.5	89.2
82.5°	74.0	89.3	103.9	117.7	121.3	121.4	120.2	120.6	142.5	167.6	193.3
80°	131.9	151.2	176.9	199.7	209.6	214.7	217.0	216.7	244.4	281.3	320.1
77.5°	209.2	241.8	270.2	294.3	307.3	318.8	328.1	335.3	370.9	417.6	463.9
75°	297.4	333.1	368.6	399.6	421.2	437.3	452.3	476.4	523.0	577.5	624.8
72.5°	390.3	436.0	475.6	509.2	539.6	571.9	608.0	647.6	696.8	751.2	800.7
70°	489.6	539.8	581.3	621.8	663.2	711.5	765.7	819.1	874.0	934.0	991.7
67.5°	586.8	635.2	684.0	735.1	797.1	861.8	925.9	999.5	1074.7	1141.4	1200.9
65°	671.2	727.9	789.0	858.4	934.9	1017.2	1102.7	1190.9	1286.4	1366.3	1439.2
62.5°	751.8	820.0	894.3	980.7	1078.3	1175.7	1284.8	1395.2	1502.6	1596.9	1684.0
60°	826.0	908.7	1002.6	1108.5	1222.5	1352.0	1476.2	1601.8	1719.6	1826.4	1936.5
57.5°	898.3	1002.3	1115.0	1242.2	1386.3	1531.7	1677.7	1812.8	1946.2	2076.3	2200.8
55°	974.7	1100.1	1234.2	1390.2	1552.7	1724.6	1881.9	2032.7	2179.7	2337.5	2487.6
52.5°	1058.8	1198.9	1366.7	1541.4	1729.0	1913.6	2086.4	2258.1	2435.8	2614.4	2809.8
50°	1140.0	1314.7	1498.6	1701.6	1904.4	2102.1	2300.3	2498.1	2710.9	2930.0	3151.3
47.5°	1234.9	1425.5	1642.7	1860.5	2082.0	2302.1	2522.9	2762.0	3003.7	3257.8	3502.6
45°	1330.9	1545.2	1779.2	2025.5	2265.1	2508.7	2766.9	3031.2	3314.6	3594.0	3888.6
42.5°	1421.9	1664.1	1922.1	2188.0	2454.6	2726.8	3010.7	3319.4	3629.2	3951.4	4275.1
40°	1522.7	1777.2	2061.7	2354.7	2643.8	2945.6	3270.0	3604.4	3954.9	4309.2	4660.7
37.5°	1619.6	1899.4	2198.4	2513.8	2838.2	3169.9	3522.2	3901.7	4281.8	4663.2	5050.8
35°	1710.4	2015.2	2339.1	2673.9	3018.0	3395.2	3789.1	4194.1	4606.0	5018.5	5435.4
32.5°	1803.7	2124.4	2473.6	2831.8	3211.1	3615.6	4046.9	4485.9	4924.6	5365.0	5821.3
30°	1897.3	2239.0	2603.8	2981.2	3396.0	3836.8	4300.4	4765.4	5229.4	5714.0	6200.4
27.5°	1985.7	2347.7	2731.7	3135.6	3573.3	4041.6	4533.9	5032.1	5532.4	6047.6	6566.4
25°	2067.2	2450.6	2850.5	3284.1	3748.0	4238.7	4751.6	5271.4	5820.1	6371.5	6913.2
22.5°	2146.5	2545.1	2960.4	3421.0	3906.4	4421.6	4955.7	5504.6	6078.0	6670.2	7230.8
20°	2222.9	2635.2	3067.5	3545.0	4048.3	4586.4	5141.4	5716.1	6317.6	6925.6	7528.6
17.5°	2290.7	2715.2	3167.1	3660.9	4183.6	4737.0	5308.6	5902.2	6530.5	7160.8	7799.7
15°	2349.8	2784.8	3253.4	3762.2	4303.3	4873.9	5463.7	6074.3	6718.8	7375.0	8039.2
12.5°	2399.7	2843.8	3326.0	3848.2	4404.8	4991.4	5597.1	6229.1	6891.0	7565.6	8249.1
10°	2440.3	2891.9	3384.8	3918.5	4487.7	5088.5	5706.9	6356.7	7038.4	7727.7	8425.6
7.5°	2474.8	2932.0	3431.5	3972.7	4551.6	5164.4	5792.5	6456.3	7155.9	7854.2	8567.3
5°	2499.9	2964.4	3474.3	4018.1	4607.2	5223.8	5857.3	6527.2	7241.8	7944.2	8670.2
2.5°	2515.1	2985.5	3503.4	4047.6	4650.9	5268.3	5914.8	6589.9	7304.8	8015.6	8747.5
0°	2520.1	2994.9	3518.4	4060.2	4675.0	5289.8	5947.3	6622.9	7335.2	8059.5	8796.1
-2.5°	2515.1	2985.5	3503.4	4047.6	4650.9	5268.3	5914.8	6589.9	7304.8	8015.6	8747.5
-5°	2499.9	2964.4	3474.3	4018.1	4607.2	5223.8	5857.3	6527.2	7241.8	7944.2	8670.2
-7.5°	2474.8	2932.0	3431.5	3972.7	4551.6	5164.4	5792.5	6456.3	7155.9	7854.2	8567.3
-10°	2440.3	2891.9	3384.8	3918.5	4487.7	5088.5	5706.9	6356.7	7038.4	7727.7	8425.6
-12.5°	2399.7	2843.8	3326.0	3848.2	4404.8	4991.4	5597.1	6229.1	6891.0	7565.6	8249.1
-15°	2349.8	2784.8	3253.4	3762.2	4303.3	4873.9	5463.7	6074.3	6718.8	7375.0	8039.2
-17.5°	2290.7	2715.2	3167.1	3660.9	4183.6	4737.0	5308.6	5902.2	6530.5	7160.8	7799.7
-20°	2222.9	2635.2	3067.5	3545.0	4048.3	4586.4	5141.4	5716.1	6317.6	6925.6	7528.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-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°	2146.5	2545.1	2960.4	3421.0	3906.4	4421.6	4955.7	5504.6	6078.0	6670.2	7230.8
-25°	2067.2	2450.6	2850.5	3284.1	3748.0	4238.7	4751.6	5271.4	5820.1	6371.5	6913.2
-27.5°	1985.7	2347.7	2731.7	3135.6	3573.3	4041.6	4533.9	5032.1	5532.4	6047.6	6566.4
-30°	1897.3	2239.0	2603.8	2981.2	3396.0	3836.8	4300.4	4765.4	5229.4	5714.0	6200.4
-32.5°	1803.7	2124.4	2473.6	2831.8	3211.1	3615.6	4046.9	4485.9	4924.6	5365.0	5821.3
-35°	1710.4	2015.2	2339.1	2673.9	3018.0	3395.2	3789.1	4194.1	4606.0	5018.5	5435.4
-37.5°	1619.6	1899.4	2198.4	2513.8	2838.2	3169.9	3522.2	3901.7	4281.8	4663.2	5050.8
-40°	1522.7	1777.2	2061.7	2354.7	2643.8	2945.6	3270.0	3604.4	3954.9	4309.2	4660.7
-42.5°	1421.9	1664.1	1922.1	2188.0	2454.6	2726.8	3010.7	3319.4	3629.2	3951.4	4275.1
-45°	1330.9	1545.2	1779.2	2025.5	2265.1	2508.7	2766.9	3031.2	3314.6	3594.0	3888.6
-47.5°	1234.9	1425.5	1642.7	1860.5	2082.0	2302.1	2522.9	2762.0	3003.7	3257.8	3502.6
-50°	1140.0	1314.7	1498.6	1701.6	1904.4	2102.1	2300.3	2498.1	2710.9	2930.0	3151.3
-52.5°	1058.8	1198.9	1366.7	1541.4	1729.0	1913.6	2086.4	2258.1	2435.8	2614.4	2809.8
-55°	974.7	1100.1	1234.2	1390.2	1552.7	1724.6	1881.9	2032.7	2179.7	2337.5	2487.6
-57.5°	898.3	1002.3	1115.0	1242.2	1386.3	1531.7	1677.7	1812.8	1946.2	2076.3	2200.8
-60°	826.0	908.7	1002.6	1108.5	1222.5	1352.0	1476.2	1601.8	1719.6	1826.4	1936.5
-62.5°	751.8	820.0	894.3	980.7	1078.3	1175.7	1284.8	1395.2	1502.6	1596.9	1684.0
-65°	671.2	727.9	789.0	858.4	934.9	1017.2	1102.7	1190.9	1286.4	1366.3	1439.2
-67.5°	586.8	635.2	684.0	735.1	797.1	861.8	925.9	999.5	1074.7	1141.4	1200.9
-70°	489.6	539.8	581.3	621.8	663.2	711.5	765.7	819.1	874.0	934.0	991.7
-72.5°	390.3	436.0	475.6	509.2	539.6	571.9	608.0	647.6	696.8	751.2	800.7
-75°	297.4	333.1	368.6	399.6	421.2	437.3	452.3	476.4	523.0	577.5	624.8
-77.5°	209.2	241.8	270.2	294.3	307.3	318.8	328.1	335.3	370.9	417.6	463.9
-80°	131.9	151.2	176.9	199.7	209.6	214.7	217.0	216.7	244.4	281.3	320.1
-82.5°	74.0	89.3	103.9	117.7	121.3	121.4	120.2	120.6	142.5	167.6	193.3
-85°	23.8	27.3	37.9	48.2	53.1	56.1	57.5	57.3	66.6	77.5	89.2
-87.5°	11.9	13.7	15.5	17.4	17.6	17.6	17.5	17.2	17.9	18.6	19.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	19.9	20.5	21.0	21.6	22.0	22.4	22.8	23.2	23.5	22.3	21.0
85°	101.7	108.9	115.6	122.0	128.1	133.9	139.4	144.4	149.1	136.2	121.9
82.5°	219.6	237.2	254.0	270.7	287.2	291.4	292.7	292.1	289.8	267.1	241.9
80°	358.5	388.3	416.4	444.3	471.8	474.9	471.8	466.1	458.1	428.3	394.6
77.5°	510.0	547.6	580.5	610.6	638.0	643.2	642.4	641.0	638.8	608.4	571.7
75°	665.4	702.2	737.6	767.7	792.8	804.4	810.0	814.0	816.2	794.4	765.8
72.5°	845.5	883.8	915.0	944.3	969.0	987.0	999.8	1009.6	1016.2	1009.6	997.9
70°	1041.0	1082.0	1116.5	1149.6	1183.2	1210.1	1230.4	1245.1	1254.5	1260.6	1264.9
67.5°	1261.1	1316.1	1364.2	1405.2	1445.8	1483.9	1515.1	1540.7	1560.4	1577.2	1590.1
65°	1509.0	1579.4	1641.8	1699.1	1751.6	1806.9	1852.2	1890.2	1920.8	1946.1	1966.4
62.5°	1769.8	1856.0	1936.1	2013.8	2090.0	2165.0	2222.6	2275.0	2321.6	2361.7	2393.6
60°	2040.7	2138.7	2246.2	2348.8	2443.2	2529.5	2615.2	2689.4	2752.9	2805.6	2848.1
57.5°	2332.0	2458.9	2584.5	2711.9	2832.3	2945.0	3050.4	3143.5	3222.2	3286.7	3340.9
55°	2646.5	2805.3	2950.9	3111.7	3267.0	3408.5	3533.0	3642.4	3737.1	3816.3	3883.6
52.5°	2992.3	3185.2	3374.5	3557.4	3733.8	3897.9	4047.0	4174.4	4287.7	4384.9	4462.4
50°	3370.8	3591.5	3810.9	4014.4	4217.0	4406.1	4576.9	4724.8	4856.7	4970.9	5060.7
47.5°	3766.6	4017.8	4262.9	4495.8	4720.0	4930.1	5115.2	5283.7	5448.1	5582.3	5688.3
45°	4177.7	4459.4	4729.7	4996.0	5242.9	5478.4	5706.7	5916.6	6085.4	6233.2	6357.3
42.5°	4593.6	4907.9	5210.6	5501.1	5772.7	6045.1	6301.8	6531.3	6723.8	6891.8	7032.7
40°	5015.0	5359.1	5692.7	6009.4	6319.8	6616.8	6894.5	7136.5	7353.5	7553.1	7719.3
37.5°	5434.3	5812.9	6182.4	6537.2	6879.0	7200.7	7500.8	7774.2	8019.1	8246.4	8431.0
35°	5855.5	6270.8	6675.3	7065.8	7439.2	7794.2	8122.7	8433.8	8722.4	8952.7	9141.5
32.5°	6275.0	6721.5	7161.8	7591.7	8000.3	8383.0	8739.0	9082.8	9379.7	9632.7	9849.8
30°	6680.9	7164.7	7644.1	8110.2	8551.6	8966.3	9360.5	9724.0	10043.3	10320.1	10563.6
27.5°	7079.3	7599.0	8113.3	8611.3	9088.6	9539.2	9969.4	10363.6	10712.1	11012.9	11269.6
25°	7455.8	8014.4	8562.6	9090.6	9600.4	10097.5	10562.0	10992.2	11364.4	11694.6	11958.4
22.5°	7815.6	8411.2	8987.3	9542.7	10088.0	10623.8	11132.3	11581.5	11976.0	12321.2	12613.1
20°	8150.7	8789.0	9378.4	9965.8	10540.2	11112.3	11658.2	12132.1	12549.6	12917.0	13238.8
17.5°	8463.9	9118.7	9739.3	10364.6	10970.0	11570.1	12124.8	12632.8	13083.1	13473.4	13810.5
15°	8729.1	9390.4	10068.1	10735.8	11374.2	11981.9	12536.1	13066.6	13566.7	13988.7	14330.5
12.5°	8943.8	9631.5	10338.6	11047.4	11722.5	12329.4	12909.6	13447.9	13973.0	14447.1	14761.3
10°	9126.9	9835.0	10564.9	11287.7	11971.9	12614.1	13244.8	13813.9	14330.0	14754.5	15105.4
7.5°	9285.1	10014.5	10755.8	11479.8	12161.7	12825.3	13474.5	14079.0	14600.0	14999.9	15312.9
5°	9401.7	10148.5	10904.1	11634.9	12326.3	12991.9	13644.2	14241.1	14749.7	15156.6	15497.9
2.5°	9485.2	10239.0	11000.0	11731.8	12438.6	13105.9	13774.5	14378.0	14870.5	15243.4	15570.2
0°	9538.7	10293.6	11060.6	11809.3	12503.2	13148.5	13866.8	14432.9	14944.2	15315.6	15656.5
-2.5°	9485.2	10239.0	11000.0	11731.8	12438.6	13105.9	13774.5	14378.0	14870.5	15243.4	15570.2
-5°	9401.7	10148.5	10904.1	11634.9	12326.3	12991.9	13644.2	14241.1	14749.7	15156.6	15497.9
-7.5°	9285.1	10014.5	10755.8	11479.8	12161.7	12825.3	13474.5	14079.0	14600.0	14999.9	15312.9
-10°	9126.9	9835.0	10564.9	11287.7	11971.9	12614.1	13244.8	13813.9	14330.0	14754.5	15105.4
-12.5°	8943.8	9631.5	10338.6	11047.4	11722.5	12329.4	12909.6	13447.9	13973.0	14447.1	14761.3
-15°	8729.1	9390.4	10068.1	10735.8	11374.2	11981.9	12536.1	13066.6	13566.7	13988.7	14330.5
-17.5°	8463.9	9118.7	9739.3	10364.6	10970.0	11570.1	12124.8	12632.8	13083.1	13473.4	13810.5
-20°	8150.7	8789.0	9378.4	9965.8	10540.2	11112.3	11658.2	12132.1	12549.6	12917.0	13238.8



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7815.6	8411.2	8987.3	9542.7	10088.0	10623.8	11132.3	11581.5	11976.0	12321.2	12613.1
-25°	7455.8	8014.4	8562.6	9090.6	9600.4	10097.5	10562.0	10992.2	11364.4	11694.6	11958.4
-27.5°	7079.3	7599.0	8113.3	8611.3	9088.6	9539.2	9969.4	10363.6	10712.1	11012.9	11269.6
-30°	6680.9	7164.7	7644.1	8110.2	8551.6	8966.3	9360.5	9724.0	10043.3	10320.1	10563.6
-32.5°	6275.0	6721.5	7161.8	7591.7	8000.3	8383.0	8739.0	9082.8	9379.7	9632.7	9849.8
-35°	5855.5	6270.8	6675.3	7065.8	7439.2	7794.2	8122.7	8433.8	8722.4	8952.7	9141.5
-37.5°	5434.3	5812.9	6182.4	6537.2	6879.0	7200.7	7500.8	7774.2	8019.1	8246.4	8431.0
-40°	5015.0	5359.1	5692.7	6009.4	6319.8	6616.8	6894.5	7136.5	7353.5	7553.1	7719.3
-42.5°	4593.6	4907.9	5210.6	5501.1	5772.7	6045.1	6301.8	6531.3	6723.8	6891.8	7032.7
-45°	4177.7	4459.4	4729.7	4996.0	5242.9	5478.4	5706.7	5916.6	6085.4	6233.2	6357.3
-47.5°	3766.6	4017.8	4262.9	4495.8	4720.0	4930.1	5115.2	5283.7	5448.1	5582.3	5688.3
-50°	3370.8	3591.5	3810.9	4014.4	4217.0	4406.1	4576.9	4724.8	4856.7	4970.9	5060.7
-52.5°	2992.3	3185.2	3374.5	3557.4	3733.8	3897.9	4047.0	4174.4	4287.7	4384.9	4462.4
-55°	2646.5	2805.3	2950.9	3111.7	3267.0	3408.5	3533.0	3642.4	3737.1	3816.3	3883.6
-57.5°	2332.0	2458.9	2584.5	2711.9	2832.3	2945.0	3050.4	3143.5	3222.2	3286.7	3340.9
-60°	2040.7	2138.7	2246.2	2348.8	2443.2	2529.5	2615.2	2689.4	2752.9	2805.6	2848.1
-62.5°	1769.8	1856.0	1936.1	2013.8	2090.0	2165.0	2222.6	2275.0	2321.6	2361.7	2393.6
-65°	1509.0	1579.4	1641.8	1699.1	1751.6	1806.9	1852.2	1890.2	1920.8	1946.1	1966.4
-67.5°	1261.1	1316.1	1364.2	1405.2	1445.8	1483.9	1515.1	1540.7	1560.4	1577.2	1590.1
-70°	1041.0	1082.0	1116.5	1149.6	1183.2	1210.1	1230.4	1245.1	1254.5	1260.6	1264.9
-72.5°	845.5	883.8	915.0	944.3	969.0	987.0	999.8	1009.6	1016.2	1009.6	997.9
-75°	665.4	702.2	737.6	767.7	792.8	804.4	810.0	814.0	816.2	794.4	765.8
-77.5°	510.0	547.6	580.5	610.6	638.0	643.2	642.4	641.0	638.8	608.4	571.7
-80°	358.5	388.3	416.4	444.3	471.8	474.9	471.8	466.1	458.1	428.3	394.6
-82.5°	219.6	237.2	254.0	270.7	287.2	291.4	292.7	292.1	289.8	267.1	241.9
-85°	101.7	108.9	115.6	122.0	128.1	133.9	139.4	144.4	149.1	136.2	121.9
-87.5°	19.9	20.5	21.0	21.6	22.0	22.4	22.8	23.2	23.5	22.3	21.0
-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: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	19.6	18.2	18.3	18.3	18.3	18.2	19.6	21.0	22.3	23.5	23.2
85°	106.7	90.9	85.1	79.1	85.1	90.9	106.7	121.9	136.2	149.1	144.4
82.5°	215.5	188.1	179.4	170.4	179.4	188.1	215.5	241.9	267.1	289.8	292.1
80°	359.0	321.8	307.1	292.2	307.1	321.8	359.0	394.6	428.3	458.1	466.1
77.5°	532.8	491.9	474.4	456.5	474.4	491.9	532.8	571.7	608.4	638.8	641.0
75°	735.7	703.7	684.3	663.5	684.3	703.7	735.7	765.8	794.4	816.2	814.0
72.5°	984.5	968.9	954.7	937.4	954.7	968.9	984.5	997.9	1009.6	1016.2	1009.6
70°	1266.3	1264.3	1266.9	1266.2	1266.9	1264.3	1266.3	1264.9	1260.6	1254.5	1245.1
67.5°	1596.7	1597.1	1604.0	1607.0	1604.0	1597.1	1596.7	1590.1	1577.2	1560.4	1540.7
65°	1978.9	1983.6	1981.9	1972.3	1981.9	1983.6	1978.9	1966.4	1946.1	1920.8	1890.2
62.5°	2416.3	2429.4	2436.6	2434.9	2436.6	2429.4	2416.3	2393.6	2361.7	2321.6	2275.0
60°	2879.8	2900.4	2910.8	2909.7	2910.8	2900.4	2879.8	2848.1	2805.6	2752.9	2689.4
57.5°	3381.2	3407.6	3413.8	3402.8	3413.8	3407.6	3381.2	3340.9	3286.7	3222.2	3143.5
55°	3934.3	3968.1	3981.1	3975.0	3981.1	3968.1	3934.3	3883.6	3816.3	3737.1	3642.4
52.5°	4519.2	4555.7	4568.7	4559.4	4568.7	4555.7	4519.2	4462.4	4384.9	4287.7	4174.4
50°	5126.7	5170.9	5188.8	5180.3	5188.8	5170.9	5126.7	5060.7	4970.9	4856.7	4724.8
47.5°	5771.5	5830.4	5853.3	5837.7	5853.3	5830.4	5771.5	5688.3	5582.3	5448.1	5283.7
45°	6450.0	6511.1	6534.7	6519.5	6534.7	6511.1	6450.0	6357.3	6233.2	6085.4	5916.6
42.5°	7140.6	7220.0	7253.5	7225.6	7253.5	7220.0	7140.6	7032.7	6891.8	6723.8	6531.3
40°	7843.4	7929.5	7969.3	7950.0	7969.3	7929.5	7843.4	7719.3	7553.1	7353.5	7136.5
37.5°	8564.3	8650.0	8692.1	8692.6	8692.1	8650.0	8564.3	8431.0	8246.4	8019.1	7774.2
35°	9287.8	9391.6	9450.3	9447.4	9450.3	9391.6	9287.8	9141.5	8952.7	8722.4	8433.8
32.5°	10021.4	10133.8	10193.8	10202.3	10193.8	10133.8	10021.4	9849.8	9632.7	9379.7	9082.8
30°	10753.9	10877.4	10946.8	10975.3	10946.8	10877.4	10753.9	10563.6	10320.1	10043.3	9724.0
27.5°	11464.2	11616.2	11721.0	11730.2	11721.0	11616.2	11464.2	11269.6	11012.9	10712.1	10363.6
25°	12152.1	12306.8	12414.4	12436.3	12414.4	12306.8	12152.1	11958.4	11694.6	11364.4	10992.2
22.5°	12830.1	12991.8	13091.2	13130.2	13091.2	12991.8	12830.1	12613.1	12321.2	11976.0	11581.5
20°	13477.3	13652.6	13758.0	13799.8	13758.0	13652.6	13477.3	13238.8	12917.0	12549.6	12132.1
17.5°	14062.8	14248.1	14378.1	14414.7	14378.1	14248.1	14062.8	13810.5	13473.4	13083.1	12632.8
15°	14578.1	14753.8	14877.3	14926.0	14877.3	14753.8	14578.1	14330.5	13988.7	13566.7	13066.6
12.5°	14997.6	15154.7	15251.4	15297.3	15251.4	15154.7	14997.6	14761.3	14447.1	13973.0	13447.9
10°	15325.2	15482.9	15575.2	15638.2	15575.2	15482.9	15325.2	15105.4	14754.5	14330.0	13813.9
7.5°	15609.6	15771.1	15884.1	15973.0	15884.1	15771.1	15609.6	15312.9	14999.9	14600.0	14079.0
5°	15766.6	16036.4	16076.9	16137.3	16076.9	16036.4	15766.6	15497.9	15156.6	14749.7	14241.1
2.5°	15886.4	16077.6	16192.6	16180.0	16192.6	16077.6	15886.4	15570.2	15243.4	14870.5	14378.0
0°	15973.0	16143.4	16186.0	16240.8	16186.0	16143.4	15973.0	15656.5	15315.6	14944.2	14432.9
-2.5°	15886.4	16077.6	16192.6	16180.0	16192.6	16077.6	15886.4	15570.2	15243.4	14870.5	14378.0
-5°	15766.6	16036.4	16076.9	16137.3	16076.9	16036.4	15766.6	15497.9	15156.6	14749.7	14241.1
-7.5°	15609.6	15771.1	15884.1	15973.0	15884.1	15771.1	15609.6	15312.9	14999.9	14600.0	14079.0
-10°	15325.2	15482.9	15575.2	15638.2	15575.2	15482.9	15325.2	15105.4	14754.5	14330.0	13813.9
-12.5°	14997.6	15154.7	15251.4	15297.3	15251.4	15154.7	14997.6	14761.3	14447.1	13973.0	13447.9
-15°	14578.1	14753.8	14877.3	14926.0	14877.3	14753.8	14578.1	14330.5	13988.7	13566.7	13066.6
-17.5°	14062.8	14248.1	14378.1	14414.7	14378.1	14248.1	14062.8	13810.5	13473.4	13083.1	12632.8
-20°	13477.3	13652.6	13758.0	13799.8	13758.0	13652.6	13477.3	13238.8	12917.0	12549.6	12132.1



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	12830.1	12991.8	13091.2	13130.2	13091.2	12991.8	12830.1	12613.1	12321.2	11976.0	11581.5
-25°	12152.1	12306.8	12414.4	12436.3	12414.4	12306.8	12152.1	11958.4	11694.6	11364.4	10992.2
-27.5°	11464.2	11616.2	11721.0	11730.2	11721.0	11616.2	11464.2	11269.6	11012.9	10712.1	10363.6
-30°	10753.9	10877.4	10946.8	10975.3	10946.8	10877.4	10753.9	10563.6	10320.1	10043.3	9724.0
-32.5°	10021.4	10133.8	10193.8	10202.3	10193.8	10133.8	10021.4	9849.8	9632.7	9379.7	9082.8
-35°	9287.8	9391.6	9450.3	9447.4	9450.3	9391.6	9287.8	9141.5	8952.7	8722.4	8433.8
-37.5°	8564.3	8650.0	8692.1	8692.6	8692.1	8650.0	8564.3	8431.0	8246.4	8019.1	7774.2
-40°	7843.4	7929.5	7969.3	7950.0	7969.3	7929.5	7843.4	7719.3	7553.1	7353.5	7136.5
-42.5°	7140.6	7220.0	7253.5	7225.6	7253.5	7220.0	7140.6	7032.7	6891.8	6723.8	6531.3
-45°	6450.0	6511.1	6534.7	6519.5	6534.7	6511.1	6450.0	6357.3	6233.2	6085.4	5916.6
-47.5°	5771.5	5830.4	5853.3	5837.7	5853.3	5830.4	5771.5	5688.3	5582.3	5448.1	5283.7
-50°	5126.7	5170.9	5188.8	5180.3	5188.8	5170.9	5126.7	5060.7	4970.9	4856.7	4724.8
-52.5°	4519.2	4555.7	4568.7	4559.4	4568.7	4555.7	4519.2	4462.4	4384.9	4287.7	4174.4
-55°	3934.3	3968.1	3981.1	3975.0	3981.1	3968.1	3934.3	3883.6	3816.3	3737.1	3642.4
-57.5°	3381.2	3407.6	3413.8	3402.8	3413.8	3407.6	3381.2	3340.9	3286.7	3222.2	3143.5
-60°	2879.8	2900.4	2910.8	2909.7	2910.8	2900.4	2879.8	2848.1	2805.6	2752.9	2689.4
-62.5°	2416.3	2429.4	2436.6	2434.9	2436.6	2429.4	2416.3	2393.6	2361.7	2321.6	2275.0
-65°	1978.9	1983.6	1981.9	1972.3	1981.9	1983.6	1978.9	1966.4	1946.1	1920.8	1890.2
-67.5°	1596.7	1597.1	1604.0	1607.0	1604.0	1597.1	1596.7	1590.1	1577.2	1560.4	1540.7
-70°	1266.3	1264.3	1266.9	1266.2	1266.9	1264.3	1266.3	1264.9	1260.6	1254.5	1245.1
-72.5°	984.5	968.9	954.7	937.4	954.7	968.9	984.5	997.9	1009.6	1016.2	1009.6
-75°	735.7	703.7	684.3	663.5	684.3	703.7	735.7	765.8	794.4	816.2	814.0
-77.5°	532.8	491.9	474.4	456.5	474.4	491.9	532.8	571.7	608.4	638.8	641.0
-80°	359.0	321.8	307.1	292.2	307.1	321.8	359.0	394.6	428.3	458.1	466.1
-82.5°	215.5	188.1	179.4	170.4	179.4	188.1	215.5	241.9	267.1	289.8	292.1
-85°	106.7	90.9	85.1	79.1	85.1	90.9	106.7	121.9	136.2	149.1	144.4
-87.5°	19.6	18.2	18.3	18.3	18.3	18.2	19.6	21.0	22.3	23.5	23.2
-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: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	22.8	22.4	22.0	21.6	21.0	20.5	19.9	19.3	18.6	17.9	17.2
85°	139.4	133.9	128.1	122.0	115.6	108.9	101.7	89.2	77.5	66.6	57.3
82.5°	292.7	291.4	287.2	270.7	254.0	237.2	219.6	193.3	167.6	142.5	120.6
80°	471.8	474.9	471.8	444.3	416.4	388.3	358.5	320.1	281.3	244.4	216.7
77.5°	642.4	643.2	638.0	610.6	580.5	547.6	510.0	463.9	417.6	370.9	335.3
75°	810.0	804.4	792.8	767.7	737.6	702.2	665.4	624.8	577.5	523.0	476.4
72.5°	999.8	987.0	969.0	944.3	915.0	883.8	845.5	800.7	751.2	696.8	647.6
70°	1230.4	1210.1	1183.2	1149.6	1116.5	1082.0	1041.0	991.7	934.0	874.0	819.1
67.5°	1515.1	1483.9	1445.8	1405.2	1364.2	1316.1	1261.1	1200.9	1141.4	1074.7	999.5
65°	1852.2	1806.9	1751.6	1699.1	1641.8	1579.4	1509.0	1439.2	1366.3	1286.4	1190.9
62.5°	2222.6	2165.0	2090.0	2013.8	1936.1	1856.0	1769.8	1684.0	1596.9	1502.6	1395.2
60°	2615.2	2529.5	2443.2	2348.8	2246.2	2138.7	2040.7	1936.5	1826.4	1719.6	1601.8
57.5°	3050.4	2945.0	2832.3	2711.9	2584.5	2458.9	2332.0	2200.8	2076.3	1946.2	1812.8
55°	3533.0	3408.5	3267.0	3111.7	2950.9	2805.3	2646.5	2487.6	2337.5	2179.7	2032.7
52.5°	4047.0	3897.9	3733.8	3557.4	3374.5	3185.2	2992.3	2809.8	2614.4	2435.8	2258.1
50°	4576.9	4406.1	4217.0	4014.4	3810.9	3591.5	3370.8	3151.3	2930.0	2710.9	2498.1
47.5°	5115.2	4930.1	4720.0	4495.8	4262.9	4017.8	3766.6	3502.6	3257.8	3003.7	2762.0
45°	5706.7	5478.4	5242.9	4996.0	4729.7	4459.4	4177.7	3888.6	3594.0	3314.6	3031.2
42.5°	6301.8	6045.1	5772.7	5501.1	5210.6	4907.9	4593.6	4275.1	3951.4	3629.2	3319.4
40°	6894.5	6616.8	6319.8	6009.4	5692.7	5359.1	5015.0	4660.7	4309.2	3954.9	3604.4
37.5°	7500.8	7200.7	6879.0	6537.2	6182.4	5812.9	5434.3	5050.8	4663.2	4281.8	3901.7
35°	8122.7	7794.2	7439.2	7065.8	6675.3	6270.8	5855.5	5435.4	5018.5	4606.0	4194.1
32.5°	8739.0	8383.0	8000.3	7591.7	7161.8	6721.5	6275.0	5821.3	5365.0	4924.6	4485.9
30°	9360.5	8966.3	8551.6	8110.2	7644.1	7164.7	6680.9	6200.4	5714.0	5229.4	4765.4
27.5°	9969.4	9539.2	9088.6	8611.3	8113.3	7599.0	7079.3	6566.4	6047.6	5532.4	5032.1
25°	10562.0	10097.5	9600.4	9090.6	8562.6	8014.4	7455.8	6913.2	6371.5	5820.1	5271.4
22.5°	11132.3	10623.8	10088.0	9542.7	8987.3	8411.2	7815.6	7230.8	6670.2	6078.0	5504.6
20°	11658.2	11112.3	10540.2	9965.8	9378.4	8789.0	8150.7	7528.6	6925.6	6317.6	5716.1
17.5°	12124.8	11570.1	10970.0	10364.6	9739.3	9118.7	8463.9	7799.7	7160.8	6530.5	5902.2
15°	12536.1	11981.9	11374.2	10735.8	10068.1	9390.4	8729.1	8039.2	7375.0	6718.8	6074.3
12.5°	12909.6	12329.4	11722.5	11047.4	10338.6	9631.5	8943.8	8249.1	7565.6	6891.0	6229.1
10°	13244.8	12614.1	11971.9	11287.7	10564.9	9835.0	9126.9	8425.6	7727.7	7038.4	6356.7
7.5°	13474.5	12825.3	12161.7	11479.8	10755.8	10014.5	9285.1	8567.3	7854.2	7155.9	6456.3
5°	13644.2	12991.9	12326.3	11634.9	10904.1	10148.5	9401.7	8670.2	7944.2	7241.8	6527.2
2.5°	13774.5	13105.9	12438.6	11731.8	11000.0	10239.0	9485.2	8747.5	8015.6	7304.8	6589.9
0°	13866.8	13148.5	12503.2	11809.3	11060.6	10293.6	9538.7	8796.1	8059.5	7335.2	6622.9
-2.5°	13774.5	13105.9	12438.6	11731.8	11000.0	10239.0	9485.2	8747.5	8015.6	7304.8	6589.9
-5°	13644.2	12991.9	12326.3	11634.9	10904.1	10148.5	9401.7	8670.2	7944.2	7241.8	6527.2
-7.5°	13474.5	12825.3	12161.7	11479.8	10755.8	10014.5	9285.1	8567.3	7854.2	7155.9	6456.3
-10°	13244.8	12614.1	11971.9	11287.7	10564.9	9835.0	9126.9	8425.6	7727.7	7038.4	6356.7
-12.5°	12909.6	12329.4	11722.5	11047.4	10338.6	9631.5	8943.8	8249.1	7565.6	6891.0	6229.1
-15°	12536.1	11981.9	11374.2	10735.8	10068.1	9390.4	8729.1	8039.2	7375.0	6718.8	6074.3
-17.5°	12124.8	11570.1	10970.0	10364.6	9739.3	9118.7	8463.9	7799.7	7160.8	6530.5	5902.2
-20°	11658.2	11112.3	10540.2	9965.8	9378.4	8789.0	8150.7	7528.6	6925.6	6317.6	5716.1



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11132.3	10623.8	10088.0	9542.7	8987.3	8411.2	7815.6	7230.8	6670.2	6078.0	5504.6
-25°	10562.0	10097.5	9600.4	9090.6	8562.6	8014.4	7455.8	6913.2	6371.5	5820.1	5271.4
-27.5°	9969.4	9539.2	9088.6	8611.3	8113.3	7599.0	7079.3	6566.4	6047.6	5532.4	5032.1
-30°	9360.5	8966.3	8551.6	8110.2	7644.1	7164.7	6680.9	6200.4	5714.0	5229.4	4765.4
-32.5°	8739.0	8383.0	8000.3	7591.7	7161.8	6721.5	6275.0	5821.3	5365.0	4924.6	4485.9
-35°	8122.7	7794.2	7439.2	7065.8	6675.3	6270.8	5855.5	5435.4	5018.5	4606.0	4194.1
-37.5°	7500.8	7200.7	6879.0	6537.2	6182.4	5812.9	5434.3	5050.8	4663.2	4281.8	3901.7
-40°	6894.5	6616.8	6319.8	6009.4	5692.7	5359.1	5015.0	4660.7	4309.2	3954.9	3604.4
-42.5°	6301.8	6045.1	5772.7	5501.1	5210.6	4907.9	4593.6	4275.1	3951.4	3629.2	3319.4
-45°	5706.7	5478.4	5242.9	4996.0	4729.7	4459.4	4177.7	3888.6	3594.0	3314.6	3031.2
-47.5°	5115.2	4930.1	4720.0	4495.8	4262.9	4017.8	3766.6	3502.6	3257.8	3003.7	2762.0
-50°	4576.9	4406.1	4217.0	4014.4	3810.9	3591.5	3370.8	3151.3	2930.0	2710.9	2498.1
-52.5°	4047.0	3897.9	3733.8	3557.4	3374.5	3185.2	2992.3	2809.8	2614.4	2435.8	2258.1
-55°	3533.0	3408.5	3267.0	3111.7	2950.9	2805.3	2646.5	2487.6	2337.5	2179.7	2032.7
-57.5°	3050.4	2945.0	2832.3	2711.9	2584.5	2458.9	2332.0	2200.8	2076.3	1946.2	1812.8
-60°	2615.2	2529.5	2443.2	2348.8	2246.2	2138.7	2040.7	1936.5	1826.4	1719.6	1601.8
-62.5°	2222.6	2165.0	2090.0	2013.8	1936.1	1856.0	1769.8	1684.0	1596.9	1502.6	1395.2
-65°	1852.2	1806.9	1751.6	1699.1	1641.8	1579.4	1509.0	1439.2	1366.3	1286.4	1190.9
-67.5°	1515.1	1483.9	1445.8	1405.2	1364.2	1316.1	1261.1	1200.9	1141.4	1074.7	999.5
-70°	1230.4	1210.1	1183.2	1149.6	1116.5	1082.0	1041.0	991.7	934.0	874.0	819.1
-72.5°	999.8	987.0	969.0	944.3	915.0	883.8	845.5	800.7	751.2	696.8	647.6
-75°	810.0	804.4	792.8	767.7	737.6	702.2	665.4	624.8	577.5	523.0	476.4
-77.5°	642.4	643.2	638.0	610.6	580.5	547.6	510.0	463.9	417.6	370.9	335.3
-80°	471.8	474.9	471.8	444.3	416.4	388.3	358.5	320.1	281.3	244.4	216.7
-82.5°	292.7	291.4	287.2	270.7	254.0	237.2	219.6	193.3	167.6	142.5	120.6
-85°	139.4	133.9	128.1	122.0	115.6	108.9	101.7	89.2	77.5	66.6	57.3
-87.5°	22.8	22.4	22.0	21.6	21.0	20.5	19.9	19.3	18.6	17.9	17.2
-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: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	17.5	17.6	17.6	17.4	15.5	13.7	11.9	10.3	9.3	8.3	7.3
85°	57.5	56.1	53.1	48.2	37.9	27.3	23.8	20.5	18.6	16.6	14.6
82.5°	120.2	121.4	121.3	117.7	103.9	89.3	74.0	58.2	43.1	27.4	21.9
80°	217.0	214.7	209.6	199.7	176.9	151.2	131.9	111.8	92.2	71.8	50.5
77.5°	328.1	318.8	307.3	294.3	270.2	241.8	209.2	172.3	141.1	115.9	89.7
75°	452.3	437.3	421.2	399.6	368.6	333.1	297.4	254.3	206.5	161.4	128.6
72.5°	608.0	571.9	539.6	509.2	475.6	436.0	390.3	334.9	276.8	221.9	170.5
70°	765.7	711.5	663.2	621.8	581.3	539.8	489.6	421.3	345.8	281.1	220.6
67.5°	925.9	861.8	797.1	735.1	684.0	635.2	586.8	507.3	420.7	339.1	269.6
65°	1102.7	1017.2	934.9	858.4	789.0	727.9	671.2	587.8	493.4	401.7	317.2
62.5°	1284.8	1175.7	1078.3	980.7	894.3	820.0	751.8	659.8	563.0	462.2	367.0
60°	1476.2	1352.0	1222.5	1108.5	1002.6	908.7	826.0	730.8	628.0	520.5	416.4
57.5°	1677.7	1531.7	1386.3	1242.2	1115.0	1002.3	898.3	798.1	692.0	577.9	462.5
55°	1881.9	1724.6	1552.7	1390.2	1234.2	1100.1	974.7	862.7	753.7	634.4	502.3
52.5°	2086.4	1913.6	1729.0	1541.4	1366.7	1198.9	1058.8	925.7	810.6	689.5	543.6
50°	2300.3	2102.1	1904.4	1701.6	1498.6	1314.7	1140.0	997.8	865.7	741.9	582.9
47.5°	2522.9	2302.1	2082.0	1860.5	1642.7	1425.5	1234.9	1068.5	919.1	789.4	619.5
45°	2766.9	2508.7	2265.1	2025.5	1779.2	1545.2	1330.9	1136.1	979.5	826.3	653.1
42.5°	3010.7	2726.8	2454.6	2188.0	1922.1	1664.1	1421.9	1215.8	1037.3	861.6	684.1
40°	3270.0	2945.6	2643.8	2354.7	2061.7	1777.2	1522.7	1293.4	1091.4	898.3	713.4
37.5°	3522.2	3169.9	2838.2	2513.8	2198.4	1899.4	1619.6	1366.2	1142.8	939.5	741.2
35°	3789.1	3395.2	3018.0	2673.9	2339.1	2015.2	1710.4	1439.5	1202.0	979.7	767.4
32.5°	4046.9	3615.6	3211.1	2831.8	2473.6	2124.4	1803.7	1517.2	1258.9	1018.7	791.9
30°	4300.4	3836.8	3396.0	2981.2	2603.8	2239.0	1897.3	1589.7	1313.2	1056.3	816.5
27.5°	4533.9	4041.6	3573.3	3135.6	2731.7	2347.7	1985.7	1657.1	1364.9	1095.0	844.9
25°	4751.6	4238.7	3748.0	3284.1	2850.5	2450.6	2067.2	1719.4	1417.4	1135.4	871.4
22.5°	4955.7	4421.6	3906.4	3421.0	2960.4	2545.1	2146.5	1785.7	1467.1	1172.6	895.6
20°	5141.4	4586.4	4048.3	3545.0	3067.5	2635.2	2222.9	1845.2	1511.5	1206.3	917.4
17.5°	5308.6	4737.0	4183.6	3660.9	3167.1	2715.2	2290.7	1897.6	1550.5	1236.4	936.5
15°	5463.7	4873.9	4303.3	3762.2	3253.4	2784.8	2349.8	1942.9	1583.9	1262.5	954.9
12.5°	5597.1	4991.4	4404.8	3848.2	3326.0	2843.8	2399.7	1980.7	1611.6	1286.1	972.1
10°	5706.9	5088.5	4487.7	3918.5	3384.8	2891.9	2440.3	2012.6	1637.7	1306.5	985.3
7.5°	5792.5	5164.4	4551.6	3972.7	3431.5	2932.0	2474.8	2040.2	1658.7	1322.2	994.6
5°	5857.3	5223.8	4607.2	4018.1	3474.3	2964.4	2499.9	2060.0	1673.9	1333.0	999.8
2.5°	5914.8	5268.3	4650.9	4047.6	3503.4	2985.5	2515.1	2071.8	1683.1	1338.7	1001.1
0°	5947.3	5289.8	4675.0	4060.2	3518.4	2994.9	2520.1	2075.8	1686.2	1339.2	998.3
-2.5°	5914.8	5268.3	4650.9	4047.6	3503.4	2985.5	2515.1	2071.8	1683.1	1338.7	1001.1
-5°	5857.3	5223.8	4607.2	4018.1	3474.3	2964.4	2499.9	2060.0	1673.9	1333.0	999.8
-7.5°	5792.5	5164.4	4551.6	3972.7	3431.5	2932.0	2474.8	2040.2	1658.7	1322.2	994.6
-10°	5706.9	5088.5	4487.7	3918.5	3384.8	2891.9	2440.3	2012.6	1637.7	1306.5	985.3
-12.5°	5597.1	4991.4	4404.8	3848.2	3326.0	2843.8	2399.7	1980.7	1611.6	1286.1	972.1
-15°	5463.7	4873.9	4303.3	3762.2	3253.4	2784.8	2349.8	1942.9	1583.9	1262.5	954.9
-17.5°	5308.6	4737.0	4183.6	3660.9	3167.1	2715.2	2290.7	1897.6	1550.5	1236.4	936.5
-20°	5141.4	4586.4	4048.3	3545.0	3067.5	2635.2	2222.9	1845.2	1511.5	1206.3	917.4



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-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°	4955.7	4421.6	3906.4	3421.0	2960.4	2545.1	2146.5	1785.7	1467.1	1172.6	895.6
-25°	4751.6	4238.7	3748.0	3284.1	2850.5	2450.6	2067.2	1719.4	1417.4	1135.4	871.4
-27.5°	4533.9	4041.6	3573.3	3135.6	2731.7	2347.7	1985.7	1657.1	1364.9	1095.0	844.9
-30°	4300.4	3836.8	3396.0	2981.2	2603.8	2239.0	1897.3	1589.7	1313.2	1056.3	816.5
-32.5°	4046.9	3615.6	3211.1	2831.8	2473.6	2124.4	1803.7	1517.2	1258.9	1018.7	791.9
-35°	3789.1	3395.2	3018.0	2673.9	2339.1	2015.2	1710.4	1439.5	1202.0	979.7	767.4
-37.5°	3522.2	3169.9	2838.2	2513.8	2198.4	1899.4	1619.6	1366.2	1142.8	939.5	741.2
-40°	3270.0	2945.6	2643.8	2354.7	2061.7	1777.2	1522.7	1293.4	1091.4	898.3	713.4
-42.5°	3010.7	2726.8	2454.6	2188.0	1922.1	1664.1	1421.9	1215.8	1037.3	861.6	684.1
-45°	2766.9	2508.7	2265.1	2025.5	1779.2	1545.2	1330.9	1136.1	979.5	826.3	653.1
-47.5°	2522.9	2302.1	2082.0	1860.5	1642.7	1425.5	1234.9	1068.5	919.1	789.4	619.5
-50°	2300.3	2102.1	1904.4	1701.6	1498.6	1314.7	1140.0	997.8	865.7	741.9	582.9
-52.5°	2086.4	1913.6	1729.0	1541.4	1366.7	1198.9	1058.8	925.7	810.6	689.5	543.6
-55°	1881.9	1724.6	1552.7	1390.2	1234.2	1100.1	974.7	862.7	753.7	634.4	502.3
-57.5°	1677.7	1531.7	1386.3	1242.2	1115.0	1002.3	898.3	798.1	692.0	577.9	462.5
-60°	1476.2	1352.0	1222.5	1108.5	1002.6	908.7	826.0	730.8	628.0	520.5	416.4
-62.5°	1284.8	1175.7	1078.3	980.7	894.3	820.0	751.8	659.8	563.0	462.2	367.0
-65°	1102.7	1017.2	934.9	858.4	789.0	727.9	671.2	587.8	493.4	401.7	317.2
-67.5°	925.9	861.8	797.1	735.1	684.0	635.2	586.8	507.3	420.7	339.1	269.6
-70°	765.7	711.5	663.2	621.8	581.3	539.8	489.6	421.3	345.8	281.1	220.6
-72.5°	608.0	571.9	539.6	509.2	475.6	436.0	390.3	334.9	276.8	221.9	170.5
-75°	452.3	437.3	421.2	399.6	368.6	333.1	297.4	254.3	206.5	161.4	128.6
-77.5°	328.1	318.8	307.3	294.3	270.2	241.8	209.2	172.3	141.1	115.9	89.7
-80°	217.0	214.7	209.6	199.7	176.9	151.2	131.9	111.8	92.2	71.8	50.5
-82.5°	120.2	121.4	121.3	117.7	103.9	89.3	74.0	58.2	43.1	27.4	21.9
-85°	57.5	56.1	53.1	48.2	37.9	27.3	23.8	20.5	18.6	16.6	14.6
-87.5°	17.5	17.6	17.6	17.4	15.5	13.7	11.9	10.3	9.3	8.3	7.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-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°	6.3	5.3	4.2	3.2	2.1	0.9	0.0
85°	12.6	10.5	8.4	6.3	4.2	1.9	0.0
82.5°	18.8	15.7	12.6	9.5	6.3	2.8	0.0
80°	28.3	20.9	16.8	12.6	8.4	3.7	0.0
77.5°	61.8	32.8	20.9	15.7	10.4	4.6	0.0
75°	94.4	56.9	27.3	18.8	12.5	5.5	0.0
72.5°	126.1	80.2	43.5	21.9	14.4	6.4	0.0
70°	157.7	102.7	59.2	26.2	16.4	7.2	0.0
67.5°	195.6	124.3	74.3	35.9	18.2	8.1	0.0
65°	231.9	148.4	88.8	45.2	20.0	8.9	0.0
62.5°	266.3	174.9	102.4	54.2	21.8	9.7	0.0
60°	298.7	199.9	115.3	62.6	23.5	10.4	0.0
57.5°	332.9	223.3	132.4	70.5	28.2	11.2	0.0
55°	365.3	245.2	148.7	77.9	32.8	11.9	0.0
52.5°	395.3	265.9	163.8	84.7	37.3	12.6	0.0
50°	422.7	287.9	177.8	91.0	41.6	13.2	0.0
47.5°	448.4	308.1	190.5	97.5	45.6	13.9	0.0
45°	477.1	326.2	202.0	105.9	49.5	14.4	0.0
42.5°	503.3	342.3	212.1	113.6	53.1	15.0	0.0
40°	527.1	356.4	222.3	121.4	56.6	15.5	0.0
37.5°	548.4	368.4	232.4	129.2	59.8	16.0	0.0
35°	567.2	382.3	241.1	136.4	62.8	16.4	0.0
32.5°	584.6	396.3	248.3	143.0	65.5	16.8	0.0
30°	602.7	408.1	254.2	149.1	68.1	17.1	0.0
27.5°	619.0	418.0	262.9	154.6	70.3	17.5	0.0
25°	633.3	425.8	271.0	159.5	72.4	17.7	0.0
22.5°	645.5	433.6	278.2	163.9	74.1	18.0	0.0
20°	655.6	444.4	284.4	167.6	75.7	18.2	0.0
17.5°	668.3	453.2	289.6	170.8	77.0	18.3	0.0
15°	681.4	460.1	293.8	173.4	78.0	18.4	0.0
12.5°	692.1	465.0	297.0	175.4	78.8	18.5	0.0
10°	700.2	468.1	299.2	176.8	79.3	18.5	0.0
7.5°	705.8	469.3	300.4	177.6	79.6	18.5	0.0
5°	708.6	468.8	300.7	177.8	79.7	18.5	0.0
2.5°	708.8	466.5	300.0	177.4	79.5	18.4	0.0
0°	706.1	462.6	298.3	176.5	79.1	18.3	0.0
-2.5°	708.8	466.5	300.0	177.4	79.5	18.4	0.0
-5°	708.6	468.8	300.7	177.8	79.7	18.5	0.0
-7.5°	705.8	469.3	300.4	177.6	79.6	18.5	0.0
-10°	700.2	468.1	299.2	176.8	79.3	18.5	0.0
-12.5°	692.1	465.0	297.0	175.4	78.8	18.5	0.0
-15°	681.4	460.1	293.8	173.4	78.0	18.4	0.0
-17.5°	668.3	453.2	289.6	170.8	77.0	18.3	0.0
-20°	655.6	444.4	284.4	167.6	75.7	18.2	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627501 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	645.5	433.6	278.2	163.9	74.1	18.0	0.0
-25°	633.3	425.8	271.0	159.5	72.4	17.7	0.0
-27.5°	619.0	418.0	262.9	154.6	70.3	17.5	0.0
-30°	602.7	408.1	254.2	149.1	68.1	17.1	0.0
-32.5°	584.6	396.3	248.3	143.0	65.5	16.8	0.0
-35°	567.2	382.3	241.1	136.4	62.8	16.4	0.0
-37.5°	548.4	368.4	232.4	129.2	59.8	16.0	0.0
-40°	527.1	356.4	222.3	121.4	56.6	15.5	0.0
-42.5°	503.3	342.3	212.1	113.6	53.1	15.0	0.0
-45°	477.1	326.2	202.0	105.9	49.5	14.4	0.0
-47.5°	448.4	308.1	190.5	97.5	45.6	13.9	0.0
-50°	422.7	287.9	177.8	91.0	41.6	13.2	0.0
-52.5°	395.3	265.9	163.8	84.7	37.3	12.6	0.0
-55°	365.3	245.2	148.7	77.9	32.8	11.9	0.0
-57.5°	332.9	223.3	132.4	70.5	28.2	11.2	0.0
-60°	298.7	199.9	115.3	62.6	23.5	10.4	0.0
-62.5°	266.3	174.9	102.4	54.2	21.8	9.7	0.0
-65°	231.9	148.4	88.8	45.2	20.0	8.9	0.0
-67.5°	195.6	124.3	74.3	35.9	18.2	8.1	0.0
-70°	157.7	102.7	59.2	26.2	16.4	7.2	0.0
-72.5°	126.1	80.2	43.5	21.9	14.4	6.4	0.0
-75°	94.4	56.9	27.3	18.8	12.5	5.5	0.0
-77.5°	61.8	32.8	20.9	15.7	10.4	4.6	0.0
-80°	28.3	20.9	16.8	12.6	8.4	3.7	0.0
-82.5°	18.8	15.7	12.6	9.5	6.3	2.8	0.0
-85°	12.6	10.5	8.4	6.3	4.2	1.9	0.0
-87.5°	6.3	5.3	4.2	3.2	2.1	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)