

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-722-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3E-722-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N64
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

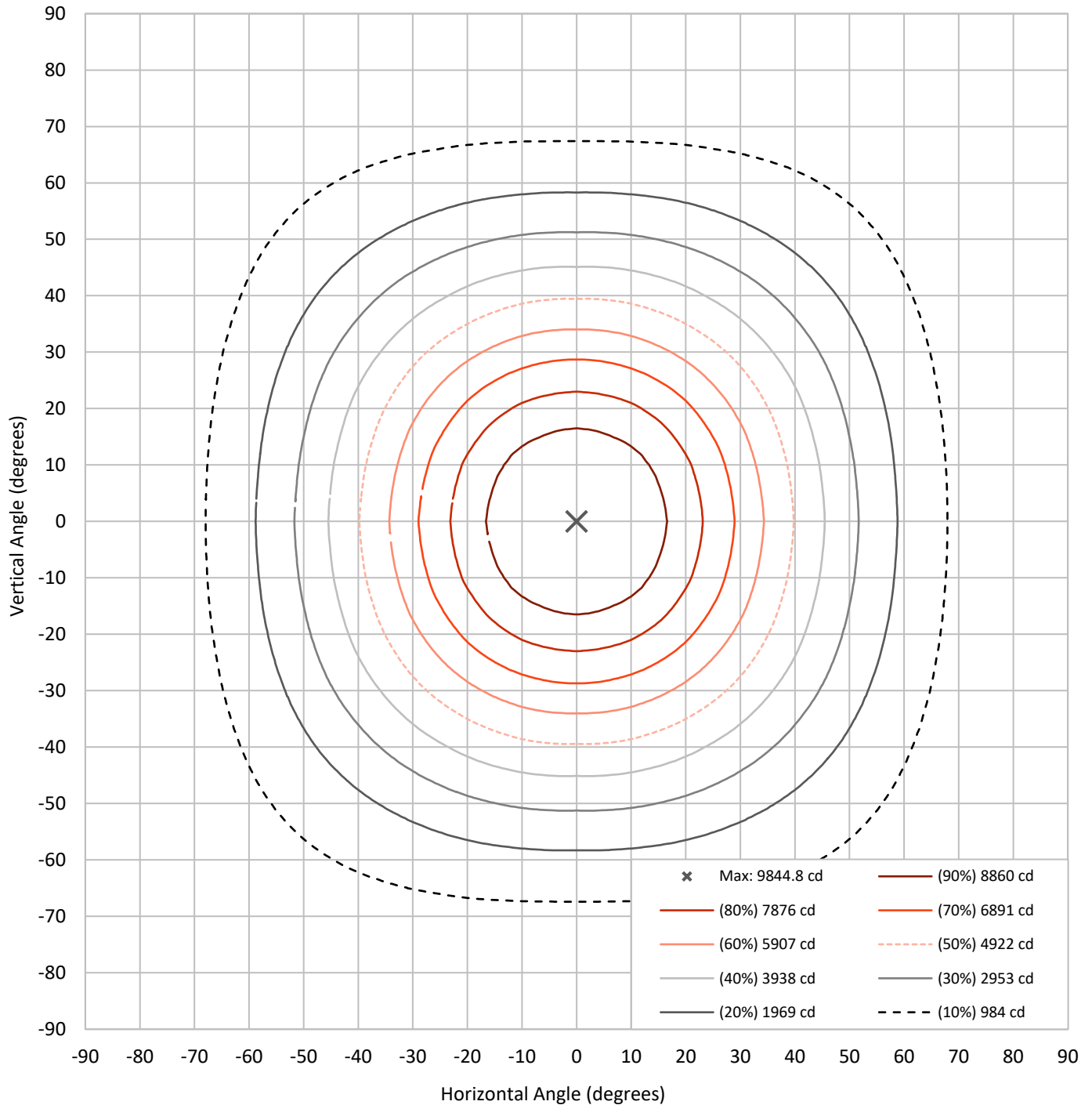
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17793.6 lumens	Max Intensity:	9844.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	96.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	10436 lumens	Field Lumens:	16963.2 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	185.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





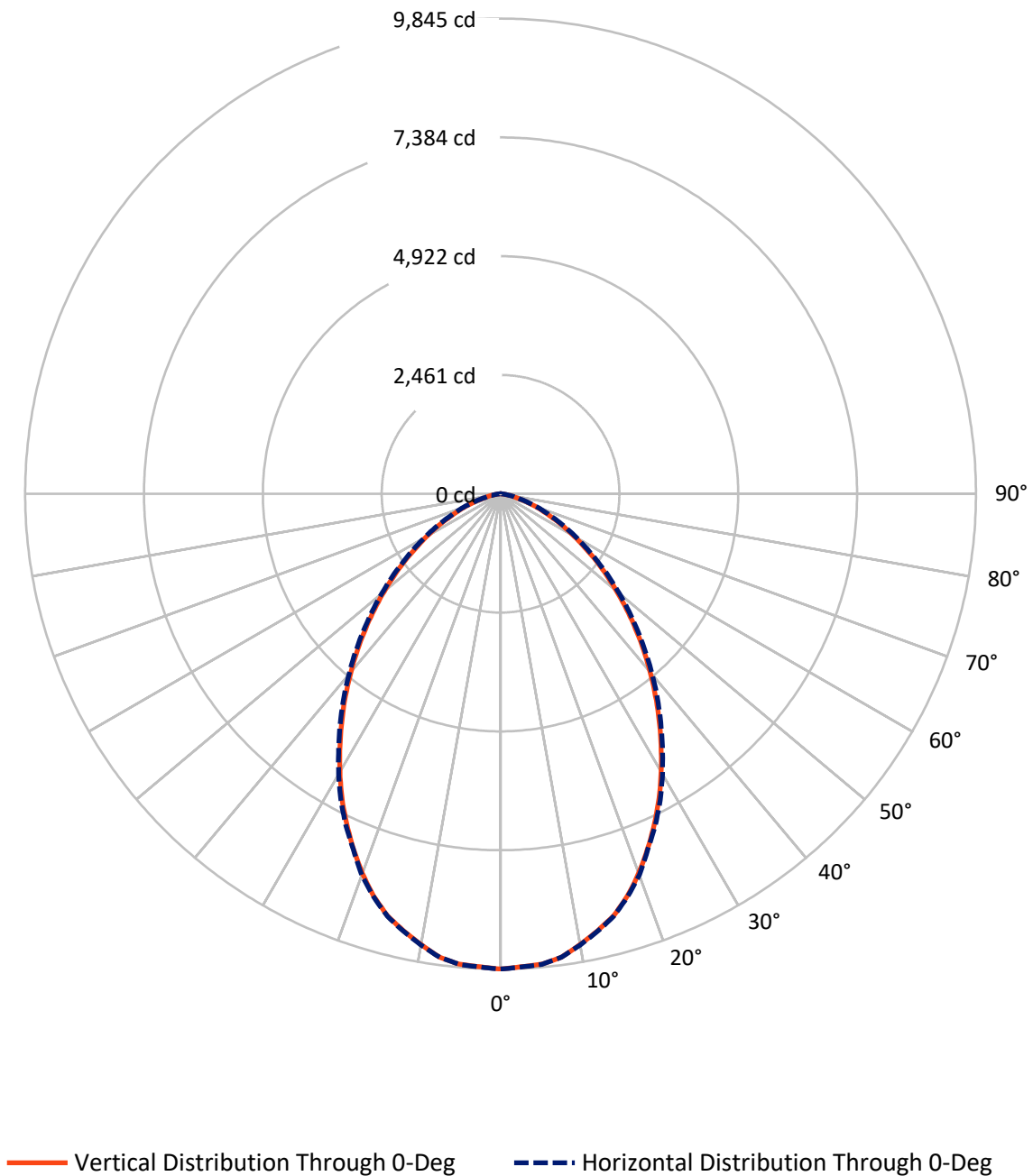
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Lumen Table

90																			
80	0.6	7.3	19.9	33.7	31.8	33.7	19.9	7.3	0.6										
70																			
60	3.3	4.6	9.2	15.7	23.0	29.7	34.7	37.1	37.1	34.7	29.7	23.0	15.7	9.2	4.6	3.3			
50																			
40	5.8	6.8	15.0	26.7	40.4	54.9	66.9	73.1	73.1	66.9	54.9	40.4	26.7	15.0	6.8	5.8			
30																			
20	7.5	9.2	21.6	39.9	63.3	87.7	108.2	119.4	119.4	108.2	87.7	63.3	39.9	21.6	9.2	7.5			
10																			
0	8.1	11.6	28.7	55.0	88.6	124.2	154.6	171.9	171.9	154.6	124.2	88.6	55.0	28.7	11.6	8.1			
-10																			
-20	7.5	13.9	35.3	69.1	112.8	160.1	201.4	225.1	225.1	201.4	160.1	112.8	69.1	35.3	13.9	7.5			
-30																			
-40	5.8	15.7	40.4	79.7	131.7	189.2	240.0	268.9	268.9	240.0	189.2	131.7	79.7	40.4	15.7	5.8			
-50																			
-60	3.3	16.7	43.2	85.8	142.2	205.4	260.9	291.2	291.2	260.9	205.4	142.2	85.8	43.2	16.7	3.3			
-70																			
-80	0.6	16.7	43.2	85.8	142.2	205.4	260.9	291.2	291.2	260.9	205.4	142.2	85.8	43.2	16.7	0.6			
-90																			

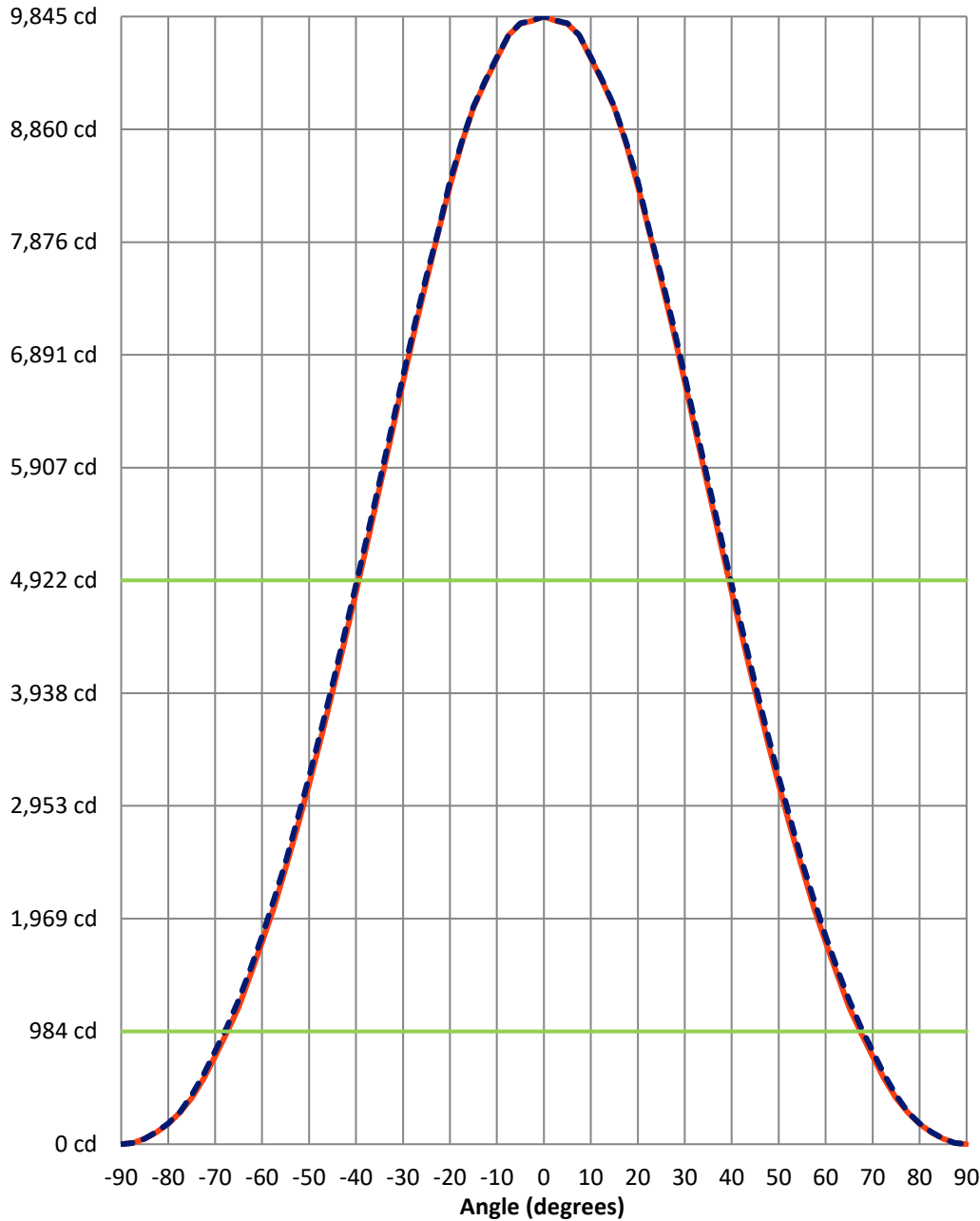
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 10436
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 16963.2
 Efficiency: 95.3%

Spill:
 Lumens: 830.4
 Efficiency: 4.7%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.1	5.7	6.3
85°	0.0	1.1	2.6	3.9	5.1	6.4	7.7	8.9	10.1	11.3	12.5
82.5°	0.0	1.7	3.9	5.8	7.7	9.6	11.5	13.3	16.7	26.2	35.3
80°	0.0	2.2	5.1	7.7	10.2	12.8	17.2	30.6	43.5	55.9	67.8
77.5°	0.0	2.8	6.4	9.6	12.8	20.0	37.5	54.4	70.2	85.5	104.4
75°	0.0	3.3	7.6	11.5	16.6	34.5	57.2	77.9	97.8	125.1	154.1
72.5°	0.0	3.9	8.8	13.3	26.4	48.6	76.4	103.3	134.5	167.7	203.0
70°	0.0	4.4	10.0	15.9	35.9	62.3	95.5	133.7	170.4	209.6	255.3
67.5°	0.0	4.9	11.1	21.8	45.1	75.3	118.5	163.4	205.6	255.0	307.5
65°	0.0	5.4	12.2	27.5	53.8	89.9	140.5	192.3	243.5	299.1	356.3
62.5°	0.0	5.9	13.3	32.9	62.1	106.0	161.4	222.5	280.2	341.2	399.9
60°	0.0	6.3	14.3	38.0	69.8	121.1	181.1	252.4	315.5	380.7	443.0
57.5°	0.0	6.8	17.2	42.8	80.2	135.4	201.8	280.3	350.3	419.4	483.8
55°	0.0	7.2	20.0	47.2	90.1	148.6	221.4	304.4	384.5	456.9	522.9
52.5°	0.0	7.6	22.6	51.3	99.3	161.2	239.6	329.5	418.0	491.3	561.1
50°	0.0	8.0	25.2	55.1	107.8	174.6	256.2	353.3	449.7	524.8	604.8
47.5°	0.0	8.4	27.7	59.0	115.5	186.8	271.8	375.5	478.5	557.1	647.7
45°	0.0	8.8	30.0	64.2	122.5	197.8	289.2	395.9	500.9	593.7	688.7
42.5°	0.0	9.1	32.2	68.8	128.6	207.5	305.1	414.7	522.3	628.8	737.0
40°	0.0	9.4	34.3	73.6	134.8	216.1	319.5	432.5	544.5	661.6	784.0
37.5°	0.0	9.7	36.3	78.3	140.9	223.4	332.5	449.3	569.5	692.7	828.1
35°	0.0	10.0	38.1	82.7	146.2	231.8	343.9	465.2	593.9	728.6	872.6
32.5°	0.0	10.2	39.7	86.7	150.6	240.2	354.4	480.0	617.5	763.1	919.6
30°	0.0	10.4	41.3	90.4	154.1	247.4	365.4	494.9	640.3	796.1	963.6
27.5°	0.0	10.6	42.6	93.7	159.4	253.4	375.2	512.2	663.8	827.3	1004.4
25°	0.0	10.8	43.9	96.7	164.3	258.2	383.9	528.2	688.3	859.2	1042.2
22.5°	0.0	10.9	45.0	99.4	168.7	262.9	391.3	542.9	710.8	889.3	1082.4
20°	0.0	11.0	45.9	101.6	172.4	269.4	397.4	556.1	731.2	916.2	1118.5
17.5°	0.0	11.1	46.7	103.6	175.6	274.8	405.1	567.7	749.5	939.8	1150.3
15°	0.0	11.2	47.3	105.1	178.1	278.9	413.1	578.8	765.3	960.1	1177.7
12.5°	0.0	11.2	47.8	106.3	180.0	281.9	419.5	589.3	779.6	976.9	1200.7
10°	0.0	11.2	48.1	107.2	181.4	283.8	424.5	597.3	792.0	992.7	1220.0
7.5°	0.0	11.2	48.3	107.6	182.1	284.5	427.8	602.9	801.5	1005.4	1236.7
5°	0.0	11.2	48.4	107.8	182.3	284.2	429.5	606.1	808.1	1014.6	1248.7
2.5°	0.0	11.2	48.2	107.6	181.8	282.8	429.6	606.9	811.5	1020.2	1255.9
0°	0.0	11.1	48.0	107.0	180.8	280.4	428.0	605.2	811.8	1022.1	1258.3
-2.5°	0.0	11.2	48.2	107.6	181.8	282.8	429.6	606.9	811.5	1020.2	1255.9
-5°	0.0	11.2	48.4	107.8	182.3	284.2	429.5	606.1	808.1	1014.6	1248.7
-7.5°	0.0	11.2	48.3	107.6	182.1	284.5	427.8	602.9	801.5	1005.4	1236.7
-10°	0.0	11.2	48.1	107.2	181.4	283.8	424.5	597.3	792.0	992.7	1220.0
-12.5°	0.0	11.2	47.8	106.3	180.0	281.9	419.5	589.3	779.6	976.9	1200.7
-15°	0.0	11.2	47.3	105.1	178.1	278.9	413.1	578.8	765.3	960.1	1177.7
-17.5°	0.0	11.1	46.7	103.6	175.6	274.8	405.1	567.7	749.5	939.8	1150.3
-20°	0.0	11.0	45.9	101.6	172.4	269.4	397.4	556.1	731.2	916.2	1118.5

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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	10.9	45.0	99.4	168.7	262.9	391.3	542.9	710.8	889.3	1082.4
-25°	0.0	10.8	43.9	96.7	164.3	258.2	383.9	528.2	688.3	859.2	1042.2
-27.5°	0.0	10.6	42.6	93.7	159.4	253.4	375.2	512.2	663.8	827.3	1004.4
-30°	0.0	10.4	41.3	90.4	154.1	247.4	365.4	494.9	640.3	796.1	963.6
-32.5°	0.0	10.2	39.7	86.7	150.6	240.2	354.4	480.0	617.5	763.1	919.6
-35°	0.0	10.0	38.1	82.7	146.2	231.8	343.9	465.2	593.9	728.6	872.6
-37.5°	0.0	9.7	36.3	78.3	140.9	223.4	332.5	449.3	569.5	692.7	828.1
-40°	0.0	9.4	34.3	73.6	134.8	216.1	319.5	432.5	544.5	661.6	784.0
-42.5°	0.0	9.1	32.2	68.8	128.6	207.5	305.1	414.7	522.3	628.8	737.0
-45°	0.0	8.8	30.0	64.2	122.5	197.8	289.2	395.9	500.9	593.7	688.7
-47.5°	0.0	8.4	27.7	59.0	115.5	186.8	271.8	375.5	478.5	557.1	647.7
-50°	0.0	8.0	25.2	55.1	107.8	174.6	256.2	353.3	449.7	524.8	604.8
-52.5°	0.0	7.6	22.6	51.3	99.3	161.2	239.6	329.5	418.0	491.3	561.1
-55°	0.0	7.2	20.0	47.2	90.1	148.6	221.4	304.4	384.5	456.9	522.9
-57.5°	0.0	6.8	17.2	42.8	80.2	135.4	201.8	280.3	350.3	419.4	483.8
-60°	0.0	6.3	14.3	38.0	69.8	121.1	181.1	252.4	315.5	380.7	443.0
-62.5°	0.0	5.9	13.3	32.9	62.1	106.0	161.4	222.5	280.2	341.2	399.9
-65°	0.0	5.4	12.2	27.5	53.8	89.9	140.5	192.3	243.5	299.1	356.3
-67.5°	0.0	4.9	11.1	21.8	45.1	75.3	118.5	163.4	205.6	255.0	307.5
-70°	0.0	4.4	10.0	15.9	35.9	62.3	95.5	133.7	170.4	209.6	255.3
-72.5°	0.0	3.9	8.8	13.3	26.4	48.6	76.4	103.3	134.5	167.7	203.0
-75°	0.0	3.3	7.6	11.5	16.6	34.5	57.2	77.9	97.8	125.1	154.1
-77.5°	0.0	2.8	6.4	9.6	12.8	20.0	37.5	54.4	70.2	85.5	104.4
-80°	0.0	2.2	5.1	7.7	10.2	12.8	17.2	30.6	43.5	55.9	67.8
-82.5°	0.0	1.7	3.9	5.8	7.7	9.6	11.5	13.3	16.7	26.2	35.3
-85°	0.0	1.1	2.6	3.9	5.1	6.4	7.7	8.9	10.1	11.3	12.5
-87.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.1	5.7	6.3
-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°	7.2	8.3	9.4	10.5	10.7	10.7	10.6	10.5	10.9	11.3	11.7
85°	14.5	16.6	23.0	29.2	32.2	34.0	34.9	34.8	40.4	47.0	54.1
82.5°	44.9	54.1	62.9	71.3	73.5	73.6	72.8	73.1	86.4	101.6	117.2
80°	79.9	91.6	107.2	121.0	127.0	130.1	131.6	131.3	148.1	170.5	194.0
77.5°	126.8	146.6	163.8	178.4	186.3	193.3	198.9	203.3	224.8	253.1	281.2
75°	180.2	201.9	223.5	242.3	255.4	265.1	274.2	288.8	317.0	350.0	378.8
72.5°	236.6	264.3	288.3	308.7	327.1	346.7	368.6	392.5	422.4	455.3	485.4
70°	296.8	327.2	352.4	376.9	402.0	431.3	464.2	496.5	529.8	566.2	601.2
67.5°	355.6	385.0	414.6	445.6	483.2	522.4	561.3	605.8	651.5	691.8	728.0
65°	406.8	441.2	478.3	520.3	566.7	616.6	668.4	721.9	779.8	828.2	872.5
62.5°	455.7	497.0	542.1	594.4	653.6	712.7	778.8	845.7	910.9	968.0	1020.8
60°	500.7	550.8	607.7	672.0	741.1	819.5	894.8	971.0	1042.4	1107.1	1173.8
57.5°	544.5	607.6	675.9	753.0	840.3	928.5	1017.0	1098.9	1179.8	1258.6	1334.1
55°	590.8	666.9	748.2	842.7	941.2	1045.5	1140.8	1232.2	1321.2	1416.9	1507.9
52.5°	641.9	726.8	828.5	934.3	1048.1	1160.0	1264.7	1368.8	1476.5	1584.8	1703.2
50°	691.1	797.0	908.4	1031.5	1154.4	1274.3	1394.4	1514.3	1643.3	1776.1	1910.2
47.5°	748.6	864.1	995.8	1127.8	1262.1	1395.5	1529.3	1674.2	1820.8	1974.8	2123.2
45°	806.8	936.7	1078.5	1227.8	1373.0	1520.7	1677.2	1837.4	2009.3	2178.7	2357.2
42.5°	862.0	1008.7	1165.1	1326.4	1487.9	1652.9	1825.0	2012.1	2199.9	2395.3	2591.5
40°	923.0	1077.3	1249.7	1427.3	1602.6	1785.5	1982.2	2184.9	2397.3	2612.2	2825.3
37.5°	981.8	1151.3	1332.6	1523.8	1720.5	1921.5	2135.1	2365.1	2595.5	2826.7	3061.7
35°	1036.7	1221.6	1417.9	1620.8	1829.5	2058.1	2296.9	2542.4	2792.1	3042.1	3294.9
32.5°	1093.3	1287.8	1499.4	1716.6	1946.5	2191.7	2453.1	2719.2	2985.2	3252.2	3528.8
30°	1150.1	1357.2	1578.3	1807.1	2058.6	2325.8	2606.7	2888.6	3169.9	3463.7	3758.6
27.5°	1203.7	1423.1	1655.9	1900.7	2166.1	2449.9	2748.3	3050.3	3353.6	3665.9	3980.4
25°	1253.0	1485.5	1727.9	1990.8	2272.0	2569.4	2880.3	3195.3	3527.9	3862.2	4190.6
22.5°	1301.2	1542.8	1794.5	2073.7	2368.0	2680.3	3004.0	3336.7	3684.3	4043.3	4383.1
20°	1347.4	1597.4	1859.4	2148.9	2454.0	2780.2	3116.6	3464.9	3829.6	4198.1	4563.7
17.5°	1388.6	1645.9	1919.8	2219.2	2536.0	2871.5	3217.9	3577.7	3958.6	4340.6	4728.0
15°	1424.4	1688.1	1972.1	2280.5	2608.5	2954.5	3312.0	3682.0	4072.8	4470.5	4873.2
12.5°	1454.6	1723.8	2016.2	2332.7	2670.1	3025.6	3392.8	3775.9	4177.1	4586.1	5000.4
10°	1479.2	1753.0	2051.8	2375.3	2720.3	3084.5	3459.4	3853.3	4266.5	4684.4	5107.4
7.5°	1500.1	1777.3	2080.0	2408.1	2759.1	3130.5	3511.3	3913.6	4337.7	4761.0	5193.3
5°	1515.4	1797.0	2106.0	2435.7	2792.8	3166.5	3550.5	3956.6	4389.8	4815.6	5255.6
2.5°	1524.5	1809.8	2123.7	2453.6	2819.2	3193.5	3585.4	3994.6	4428.0	4858.9	5302.5
0°	1527.6	1815.5	2132.8	2461.2	2833.9	3206.6	3605.1	4014.7	4446.4	4885.5	5332.0
-2.5°	1524.5	1809.8	2123.7	2453.6	2819.2	3193.5	3585.4	3994.6	4428.0	4858.9	5302.5
-5°	1515.4	1797.0	2106.0	2435.7	2792.8	3166.5	3550.5	3956.6	4389.8	4815.6	5255.6
-7.5°	1500.1	1777.3	2080.0	2408.1	2759.1	3130.5	3511.3	3913.6	4337.7	4761.0	5193.3
-10°	1479.2	1753.0	2051.8	2375.3	2720.3	3084.5	3459.4	3853.3	4266.5	4684.4	5107.4
-12.5°	1454.6	1723.8	2016.2	2332.7	2670.1	3025.6	3392.8	3775.9	4177.1	4586.1	5000.4
-15°	1424.4	1688.1	1972.1	2280.5	2608.5	2954.5	3312.0	3682.0	4072.8	4470.5	4873.2
-17.5°	1388.6	1645.9	1919.8	2219.2	2536.0	2871.5	3217.9	3577.7	3958.6	4340.6	4728.0
-20°	1347.4	1597.4	1859.4	2148.9	2454.0	2780.2	3116.6	3464.9	3829.6	4198.1	4563.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1301.2	1542.8	1794.5	2073.7	2368.0	2680.3	3004.0	3336.7	3684.3	4043.3	4383.1
-25°	1253.0	1485.5	1727.9	1990.8	2272.0	2569.4	2880.3	3195.3	3527.9	3862.2	4190.6
-27.5°	1203.7	1423.1	1655.9	1900.7	2166.1	2449.9	2748.3	3050.3	3353.6	3665.9	3980.4
-30°	1150.1	1357.2	1578.3	1807.1	2058.6	2325.8	2606.7	2888.6	3169.9	3463.7	3758.6
-32.5°	1093.3	1287.8	1499.4	1716.6	1946.5	2191.7	2453.1	2719.2	2985.2	3252.2	3528.8
-35°	1036.7	1221.6	1417.9	1620.8	1829.5	2058.1	2296.9	2542.4	2792.1	3042.1	3294.9
-37.5°	981.8	1151.3	1332.6	1523.8	1720.5	1921.5	2135.1	2365.1	2595.5	2826.7	3061.7
-40°	923.0	1077.3	1249.7	1427.3	1602.6	1785.5	1982.2	2184.9	2397.3	2612.2	2825.3
-42.5°	862.0	1008.7	1165.1	1326.4	1487.9	1652.9	1825.0	2012.1	2199.9	2395.3	2591.5
-45°	806.8	936.7	1078.5	1227.8	1373.0	1520.7	1677.2	1837.4	2009.3	2178.7	2357.2
-47.5°	748.6	864.1	995.8	1127.8	1262.1	1395.5	1529.3	1674.2	1820.8	1974.8	2123.2
-50°	691.1	797.0	908.4	1031.5	1154.4	1274.3	1394.4	1514.3	1643.3	1776.1	1910.2
-52.5°	641.9	726.8	828.5	934.3	1048.1	1160.0	1264.7	1368.8	1476.5	1584.8	1703.2
-55°	590.8	666.9	748.2	842.7	941.2	1045.5	1140.8	1232.2	1321.2	1416.9	1507.9
-57.5°	544.5	607.6	675.9	753.0	840.3	928.5	1017.0	1098.9	1179.8	1258.6	1334.1
-60°	500.7	550.8	607.7	672.0	741.1	819.5	894.8	971.0	1042.4	1107.1	1173.8
-62.5°	455.7	497.0	542.1	594.4	653.6	712.7	778.8	845.7	910.9	968.0	1020.8
-65°	406.8	441.2	478.3	520.3	566.7	616.6	668.4	721.9	779.8	828.2	872.5
-67.5°	355.6	385.0	414.6	445.6	483.2	522.4	561.3	605.8	651.5	691.8	728.0
-70°	296.8	327.2	352.4	376.9	402.0	431.3	464.2	496.5	529.8	566.2	601.2
-72.5°	236.6	264.3	288.3	308.7	327.1	346.7	368.6	392.5	422.4	455.3	485.4
-75°	180.2	201.9	223.5	242.3	255.4	265.1	274.2	288.8	317.0	350.0	378.8
-77.5°	126.8	146.6	163.8	178.4	186.3	193.3	198.9	203.3	224.8	253.1	281.2
-80°	79.9	91.6	107.2	121.0	127.0	130.1	131.6	131.3	148.1	170.5	194.0
-82.5°	44.9	54.1	62.9	71.3	73.5	73.6	72.8	73.1	86.4	101.6	117.2
-85°	14.5	16.6	23.0	29.2	32.2	34.0	34.9	34.8	40.4	47.0	54.1
-87.5°	7.2	8.3	9.4	10.5	10.7	10.7	10.6	10.5	10.9	11.3	11.7
-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: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.1	12.5	12.8	13.1	13.4	13.7	13.9	14.1	14.3	13.6	12.8
85°	61.7	66.0	70.1	74.0	77.6	81.1	84.4	87.5	90.3	82.5	73.8
82.5°	133.1	143.8	153.9	164.0	174.0	176.6	177.4	177.0	175.6	161.9	146.6
80°	217.3	235.4	252.4	269.3	286.0	287.9	286.0	282.6	277.7	259.6	239.2
77.5°	309.2	331.9	351.9	370.1	386.7	389.9	389.4	388.6	387.2	368.8	346.5
75°	403.4	425.6	447.1	465.4	480.6	487.6	491.0	493.5	494.8	481.6	464.2
72.5°	512.5	535.7	554.7	572.4	587.4	598.3	606.1	612.0	616.0	611.9	604.9
70°	631.0	655.9	676.8	696.9	717.2	733.5	745.8	754.7	760.4	764.1	766.8
67.5°	764.5	797.8	826.9	851.8	876.4	899.5	918.4	933.9	945.9	956.1	963.9
65°	914.8	957.4	995.2	1029.9	1061.8	1095.2	1122.7	1145.8	1164.3	1179.7	1192.0
62.5°	1072.8	1125.1	1173.6	1220.7	1266.9	1312.4	1347.3	1379.0	1407.3	1431.6	1450.9
60°	1237.0	1296.5	1361.6	1423.8	1481.0	1533.3	1585.3	1630.2	1668.7	1700.7	1726.4
57.5°	1413.6	1490.5	1566.6	1643.9	1716.9	1785.2	1849.1	1905.5	1953.2	1992.3	2025.1
55°	1604.3	1700.5	1788.8	1886.3	1980.4	2066.1	2141.6	2207.9	2265.3	2313.3	2354.1
52.5°	1813.9	1930.8	2045.6	2156.4	2263.4	2362.8	2453.2	2530.4	2599.1	2658.0	2705.0
50°	2043.3	2177.1	2310.1	2433.4	2556.3	2670.8	2774.4	2864.1	2944.0	3013.2	3067.7
47.5°	2283.3	2435.5	2584.0	2725.2	2861.1	2988.5	3100.7	3202.8	3302.5	3383.8	3448.1
45°	2532.4	2703.2	2867.1	3028.5	3178.2	3320.9	3459.3	3586.5	3688.8	3778.4	3853.6
42.5°	2784.6	2975.1	3158.6	3334.7	3499.2	3664.4	3820.0	3959.1	4075.8	4177.6	4263.1
40°	3040.0	3248.6	3450.8	3642.7	3830.9	4010.9	4179.3	4326.0	4457.6	4578.5	4679.3
37.5°	3294.2	3523.7	3747.6	3962.7	4169.9	4364.9	4546.8	4712.6	4861.1	4998.8	5110.7
35°	3549.5	3801.3	4046.4	4283.1	4509.4	4724.6	4923.8	5112.4	5287.4	5426.9	5541.3
32.5°	3803.8	4074.5	4341.3	4601.9	4849.5	5081.5	5297.3	5505.7	5685.7	5839.1	5970.7
30°	4049.9	4343.1	4633.6	4916.2	5183.8	5435.1	5674.1	5894.4	6088.0	6255.8	6403.4
27.5°	4291.3	4606.3	4918.1	5220.0	5509.3	5782.5	6043.2	6282.1	6493.4	6675.7	6831.3
25°	4519.5	4858.1	5190.5	5510.5	5819.6	6120.9	6402.4	6663.2	6888.8	7089.0	7248.9
22.5°	4737.6	5098.7	5447.9	5784.6	6115.1	6439.9	6748.1	7020.4	7259.5	7468.8	7645.8
20°	4940.7	5327.6	5685.0	6041.0	6389.1	6736.0	7066.9	7354.2	7607.2	7830.0	8025.0
17.5°	5130.6	5527.5	5903.7	6282.7	6649.7	7013.5	7349.7	7657.7	7930.7	8167.2	8371.6
15°	5291.3	5692.2	6103.0	6507.7	6894.7	7263.1	7599.1	7920.7	8223.8	8479.6	8686.8
12.5°	5421.5	5838.4	6267.0	6696.6	7105.9	7473.8	7825.5	8151.8	8470.1	8757.5	8947.9
10°	5532.4	5961.7	6404.1	6842.3	7257.1	7646.4	8028.7	8373.6	8686.5	8943.9	9156.6
7.5°	5628.3	6070.5	6519.9	6958.8	7372.2	7774.4	8167.9	8534.3	8850.1	9092.6	9282.3
5°	5699.1	6151.8	6609.8	7052.8	7471.9	7875.4	8270.8	8632.6	8940.8	9187.5	9394.4
2.5°	5749.7	6206.6	6668.0	7111.6	7539.9	7944.5	8349.7	8715.6	9014.2	9240.2	9438.2
0°	5782.2	6239.7	6704.6	7158.5	7579.2	7970.3	8405.7	8748.9	9058.8	9283.9	9490.6
-2.5°	5749.7	6206.6	6668.0	7111.6	7539.9	7944.5	8349.7	8715.6	9014.2	9240.2	9438.2
-5°	5699.1	6151.8	6609.8	7052.8	7471.9	7875.4	8270.8	8632.6	8940.8	9187.5	9394.4
-7.5°	5628.3	6070.5	6519.9	6958.8	7372.2	7774.4	8167.9	8534.3	8850.1	9092.6	9282.3
-10°	5532.4	5961.7	6404.1	6842.3	7257.1	7646.4	8028.7	8373.6	8686.5	8943.9	9156.6
-12.5°	5421.5	5838.4	6267.0	6696.6	7105.9	7473.8	7825.5	8151.8	8470.1	8757.5	8947.9
-15°	5291.3	5692.2	6103.0	6507.7	6894.7	7263.1	7599.1	7920.7	8223.8	8479.6	8686.8
-17.5°	5130.6	5527.5	5903.7	6282.7	6649.7	7013.5	7349.7	7657.7	7930.7	8167.2	8371.6
-20°	4940.7	5327.6	5685.0	6041.0	6389.1	6736.0	7066.9	7354.2	7607.2	7830.0	8025.0



REPORT NUMBER: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4737.6	5098.7	5447.9	5784.6	6115.1	6439.9	6748.1	7020.4	7259.5	7468.8	7645.8
-25°	4519.5	4858.1	5190.5	5510.5	5819.6	6120.9	6402.4	6663.2	6888.8	7089.0	7248.9
-27.5°	4291.3	4606.3	4918.1	5220.0	5509.3	5782.5	6043.2	6282.1	6493.4	6675.7	6831.3
-30°	4049.9	4343.1	4633.6	4916.2	5183.8	5435.1	5674.1	5894.4	6088.0	6255.8	6403.4
-32.5°	3803.8	4074.5	4341.3	4601.9	4849.5	5081.5	5297.3	5505.7	5685.7	5839.1	5970.7
-35°	3549.5	3801.3	4046.4	4283.1	4509.4	4724.6	4923.8	5112.4	5287.4	5426.9	5541.3
-37.5°	3294.2	3523.7	3747.6	3962.7	4169.9	4364.9	4546.8	4712.6	4861.1	4998.8	5110.7
-40°	3040.0	3248.6	3450.8	3642.7	3830.9	4010.9	4179.3	4326.0	4457.6	4578.5	4679.3
-42.5°	2784.6	2975.1	3158.6	3334.7	3499.2	3664.4	3820.0	3959.1	4075.8	4177.6	4263.1
-45°	2532.4	2703.2	2867.1	3028.5	3178.2	3320.9	3459.3	3586.5	3688.8	3778.4	3853.6
-47.5°	2283.3	2435.5	2584.0	2725.2	2861.1	2988.5	3100.7	3202.8	3302.5	3383.8	3448.1
-50°	2043.3	2177.1	2310.1	2433.4	2556.3	2670.8	2774.4	2864.1	2944.0	3013.2	3067.7
-52.5°	1813.9	1930.8	2045.6	2156.4	2263.4	2362.8	2453.2	2530.4	2599.1	2658.0	2705.0
-55°	1604.3	1700.5	1788.8	1886.3	1980.4	2066.1	2141.6	2207.9	2265.3	2313.3	2354.1
-57.5°	1413.6	1490.5	1566.6	1643.9	1716.9	1785.2	1849.1	1905.5	1953.2	1992.3	2025.1
-60°	1237.0	1296.5	1361.6	1423.8	1481.0	1533.3	1585.3	1630.2	1668.7	1700.7	1726.4
-62.5°	1072.8	1125.1	1173.6	1220.7	1266.9	1312.4	1347.3	1379.0	1407.3	1431.6	1450.9
-65°	914.8	957.4	995.2	1029.9	1061.8	1095.2	1122.7	1145.8	1164.3	1179.7	1192.0
-67.5°	764.5	797.8	826.9	851.8	876.4	899.5	918.4	933.9	945.9	956.1	963.9
-70°	631.0	655.9	676.8	696.9	717.2	733.5	745.8	754.7	760.4	764.1	766.8
-72.5°	512.5	535.7	554.7	572.4	587.4	598.3	606.1	612.0	616.0	611.9	604.9
-75°	403.4	425.6	447.1	465.4	480.6	487.6	491.0	493.5	494.8	481.6	464.2
-77.5°	309.2	331.9	351.9	370.1	386.7	389.9	389.4	388.6	387.2	368.8	346.5
-80°	217.3	235.4	252.4	269.3	286.0	287.9	286.0	282.6	277.7	259.6	239.2
-82.5°	133.1	143.8	153.9	164.0	174.0	176.6	177.4	177.0	175.6	161.9	146.6
-85°	61.7	66.0	70.1	74.0	77.6	81.1	84.4	87.5	90.3	82.5	73.8
-87.5°	12.1	12.5	12.8	13.1	13.4	13.7	13.9	14.1	14.3	13.6	12.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.9	11.1	11.1	11.1	11.1	11.1	11.9	12.8	13.6	14.3	14.1
85°	64.6	55.0	51.6	48.0	51.6	55.0	64.6	73.8	82.5	90.3	87.5
82.5°	130.7	114.0	108.7	103.3	108.7	114.0	130.7	146.6	161.9	175.6	177.0
80°	217.6	195.1	186.2	177.1	186.2	195.1	217.6	239.2	259.6	277.7	282.6
77.5°	323.0	298.2	287.6	276.7	287.6	298.2	323.0	346.5	368.8	387.2	388.6
75°	446.0	426.5	414.8	402.2	414.8	426.5	446.0	464.2	481.6	494.8	493.5
72.5°	596.8	587.3	578.8	568.3	578.8	587.3	596.8	604.9	611.9	616.0	612.0
70°	767.6	766.4	768.0	767.5	768.0	766.4	767.6	766.8	764.1	760.4	754.7
67.5°	967.9	968.1	972.3	974.1	972.3	968.1	967.9	963.9	956.1	945.9	933.9
65°	1199.6	1202.4	1201.3	1195.5	1201.3	1202.4	1199.6	1192.0	1179.7	1164.3	1145.8
62.5°	1464.7	1472.7	1477.0	1476.0	1477.0	1472.7	1464.7	1450.9	1431.6	1407.3	1379.0
60°	1745.7	1758.2	1764.4	1763.8	1764.4	1758.2	1745.7	1726.4	1700.7	1668.7	1630.2
57.5°	2049.6	2065.6	2069.4	2062.7	2069.4	2065.6	2049.6	2025.1	1992.3	1953.2	1905.5
55°	2384.9	2405.4	2413.3	2409.5	2413.3	2405.4	2384.9	2354.1	2313.3	2265.3	2207.9
52.5°	2739.4	2761.6	2769.4	2763.8	2769.4	2761.6	2739.4	2705.0	2658.0	2599.1	2530.4
50°	3107.7	3134.5	3145.3	3140.1	3145.3	3134.5	3107.7	3067.7	3013.2	2944.0	2864.1
47.5°	3498.5	3534.2	3548.1	3538.7	3548.1	3534.2	3498.5	3448.1	3383.8	3302.5	3202.8
45°	3909.8	3946.9	3961.2	3951.9	3961.2	3946.9	3909.8	3853.6	3778.4	3688.8	3586.5
42.5°	4328.5	4376.6	4396.9	4380.0	4396.9	4376.6	4328.5	4263.1	4177.6	4075.8	3959.1
40°	4754.5	4806.7	4830.8	4819.1	4830.8	4806.7	4754.5	4679.3	4578.5	4457.6	4326.0
37.5°	5191.4	5243.4	5268.9	5269.2	5268.9	5243.4	5191.4	5110.7	4998.8	4861.1	4712.6
35°	5630.0	5692.9	5728.6	5726.8	5728.6	5692.9	5630.0	5541.3	5426.9	5287.4	5112.4
32.5°	6074.8	6142.9	6179.2	6184.4	6179.2	6142.9	6074.8	5970.7	5839.1	5685.7	5505.7
30°	6518.7	6593.6	6635.7	6653.0	6635.7	6593.6	6518.7	6403.4	6255.8	6088.0	5894.4
27.5°	6949.3	7041.4	7105.0	7110.5	7105.0	7041.4	6949.3	6831.3	6675.7	6493.4	6282.1
25°	7366.3	7460.1	7525.3	7538.6	7525.3	7460.1	7366.3	7248.9	7089.0	6888.8	6663.2
22.5°	7777.3	7875.3	7935.5	7959.2	7935.5	7875.3	7777.3	7645.8	7468.8	7259.5	7020.4
20°	8169.6	8275.9	8339.7	8365.1	8339.7	8275.9	8169.6	8025.0	7830.0	7607.2	7354.2
17.5°	8524.5	8636.8	8715.7	8737.8	8715.7	8636.8	8524.5	8371.6	8167.2	7930.7	7657.7
15°	8836.9	8943.4	9018.2	9047.8	9018.2	8943.4	8836.9	8686.8	8479.6	8223.8	7920.7
12.5°	9091.1	9186.4	9245.0	9272.8	9245.0	9186.4	9091.1	8947.9	8757.5	8470.1	8151.8
10°	9289.8	9385.3	9441.3	9479.5	9441.3	9385.3	9289.8	9156.6	8943.9	8686.5	8373.6
7.5°	9462.2	9560.1	9628.6	9682.4	9628.6	9560.1	9462.2	9282.3	9092.6	8850.1	8534.3
5°	9557.3	9720.9	9745.4	9782.1	9745.4	9720.9	9557.3	9394.4	9187.5	8940.8	8632.6
2.5°	9629.9	9745.9	9815.5	9807.9	9815.5	9745.9	9629.9	9438.2	9240.2	9014.2	8715.6
0°	9682.4	9785.7	9811.6	9844.8	9811.6	9785.7	9682.4	9490.6	9283.9	9058.8	8748.9
-2.5°	9629.9	9745.9	9815.5	9807.9	9815.5	9745.9	9629.9	9438.2	9240.2	9014.2	8715.6
-5°	9557.3	9720.9	9745.4	9782.1	9745.4	9720.9	9557.3	9394.4	9187.5	8940.8	8632.6
-7.5°	9462.2	9560.1	9628.6	9682.4	9628.6	9560.1	9462.2	9282.3	9092.6	8850.1	8534.3
-10°	9289.8	9385.3	9441.3	9479.5	9441.3	9385.3	9289.8	9156.6	8943.9	8686.5	8373.6
-12.5°	9091.1	9186.4	9245.0	9272.8	9245.0	9186.4	9091.1	8947.9	8757.5	8470.1	8151.8
-15°	8836.9	8943.4	9018.2	9047.8	9018.2	8943.4	8836.9	8686.8	8479.6	8223.8	7920.7
-17.5°	8524.5	8636.8	8715.7	8737.8	8715.7	8636.8	8524.5	8371.6	8167.2	7930.7	7657.7
-20°	8169.6	8275.9	8339.7	8365.1	8339.7	8275.9	8169.6	8025.0	7830.0	7607.2	7354.2



REPORT NUMBER: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7777.3	7875.3	7935.5	7959.2	7935.5	7875.3	7777.3	7645.8	7468.8	7259.5	7020.4
-25°	7366.3	7460.1	7525.3	7538.6	7525.3	7460.1	7366.3	7248.9	7089.0	6888.8	6663.2
-27.5°	6949.3	7041.4	7105.0	7110.5	7105.0	7041.4	6949.3	6831.3	6675.7	6493.4	6282.1
-30°	6518.7	6593.6	6635.7	6653.0	6635.7	6593.6	6518.7	6403.4	6255.8	6088.0	5894.4
-32.5°	6074.8	6142.9	6179.2	6184.4	6179.2	6142.9	6074.8	5970.7	5839.1	5685.7	5505.7
-35°	5630.0	5692.9	5728.6	5726.8	5728.6	5692.9	5630.0	5541.3	5426.9	5287.4	5112.4
-37.5°	5191.4	5243.4	5268.9	5269.2	5268.9	5243.4	5191.4	5110.7	4998.8	4861.1	4712.6
-40°	4754.5	4806.7	4830.8	4819.1	4830.8	4806.7	4754.5	4679.3	4578.5	4457.6	4326.0
-42.5°	4328.5	4376.6	4396.9	4380.0	4396.9	4376.6	4328.5	4263.1	4177.6	4075.8	3959.1
-45°	3909.8	3946.9	3961.2	3951.9	3961.2	3946.9	3909.8	3853.6	3778.4	3688.8	3586.5
-47.5°	3498.5	3534.2	3548.1	3538.7	3548.1	3534.2	3498.5	3448.1	3383.8	3302.5	3202.8
-50°	3107.7	3134.5	3145.3	3140.1	3145.3	3134.5	3107.7	3067.7	3013.2	2944.0	2864.1
-52.5°	2739.4	2761.6	2769.4	2763.8	2769.4	2761.6	2739.4	2705.0	2658.0	2599.1	2530.4
-55°	2384.9	2405.4	2413.3	2409.5	2413.3	2405.4	2384.9	2354.1	2313.3	2265.3	2207.9
-57.5°	2049.6	2065.6	2069.4	2062.7	2069.4	2065.6	2049.6	2025.1	1992.3	1953.2	1905.5
-60°	1745.7	1758.2	1764.4	1763.8	1764.4	1758.2	1745.7	1726.4	1700.7	1668.7	1630.2
-62.5°	1464.7	1472.7	1477.0	1476.0	1477.0	1472.7	1464.7	1450.9	1431.6	1407.3	1379.0
-65°	1199.6	1202.4	1201.3	1195.5	1201.3	1202.4	1199.6	1192.0	1179.7	1164.3	1145.8
-67.5°	967.9	968.1	972.3	974.1	972.3	968.1	967.9	963.9	956.1	945.9	933.9
-70°	767.6	766.4	768.0	767.5	768.0	766.4	767.6	766.8	764.1	760.4	754.7
-72.5°	596.8	587.3	578.8	568.3	578.8	587.3	596.8	604.9	611.9	616.0	612.0
-75°	446.0	426.5	414.8	402.2	414.8	426.5	446.0	464.2	481.6	494.8	493.5
-77.5°	323.0	298.2	287.6	276.7	287.6	298.2	323.0	346.5	368.8	387.2	388.6
-80°	217.6	195.1	186.2	177.1	186.2	195.1	217.6	239.2	259.6	277.7	282.6
-82.5°	130.7	114.0	108.7	103.3	108.7	114.0	130.7	146.6	161.9	175.6	177.0
-85°	64.6	55.0	51.6	48.0	51.6	55.0	64.6	73.8	82.5	90.3	87.5
-87.5°	11.9	11.1	11.1	11.1	11.1	11.1	11.9	12.8	13.6	14.3	14.1
-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: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.9	13.7	13.4	13.1	12.8	12.5	12.1	11.7	11.3	10.9	10.5
85°	84.4	81.1	77.6	74.0	70.1	66.0	61.7	54.1	47.0	40.4	34.8
82.5°	177.4	176.6	174.0	164.0	153.9	143.8	133.1	117.2	101.6	86.4	73.1
80°	286.0	287.9	286.0	269.3	252.4	235.4	217.3	194.0	170.5	148.1	131.3
77.5°	389.4	389.9	386.7	370.1	351.9	331.9	309.2	281.2	253.1	224.8	203.3
75°	491.0	487.6	480.6	465.4	447.1	425.6	403.4	378.8	350.0	317.0	288.8
72.5°	606.1	598.3	587.4	572.4	554.7	535.7	512.5	485.4	455.3	422.4	392.5
70°	745.8	733.5	717.2	696.9	676.8	655.9	631.0	601.2	566.2	529.8	496.5
67.5°	918.4	899.5	876.4	851.8	826.9	797.8	764.5	728.0	691.8	651.5	605.8
65°	1122.7	1095.2	1061.8	1029.9	995.2	957.4	914.8	872.5	828.2	779.8	721.9
62.5°	1347.3	1312.4	1266.9	1220.7	1173.6	1125.1	1072.8	1020.8	968.0	910.9	845.7
60°	1585.3	1533.3	1481.0	1423.8	1361.6	1296.5	1237.0	1173.8	1107.1	1042.4	971.0
57.5°	1849.1	1785.2	1716.9	1643.9	1566.6	1490.5	1413.6	1334.1	1258.6	1179.8	1098.9
55°	2141.6	2066.1	1980.4	1886.3	1788.8	1700.5	1604.3	1507.9	1416.9	1321.2	1232.2
52.5°	2453.2	2362.8	2263.4	2156.4	2045.6	1930.8	1813.9	1703.2	1584.8	1476.5	1368.8
50°	2774.4	2670.8	2556.3	2433.4	2310.1	2177.1	2043.3	1910.2	1776.1	1643.3	1514.3
47.5°	3100.7	2988.5	2861.1	2725.2	2584.0	2435.5	2283.3	2123.2	1974.8	1820.8	1674.2
45°	3459.3	3320.9	3178.2	3028.5	2867.1	2703.2	2532.4	2357.2	2178.7	2009.3	1837.4
42.5°	3820.0	3664.4	3499.2	3334.7	3158.6	2975.1	2784.6	2591.5	2395.3	2199.9	2012.1
40°	4179.3	4010.9	3830.9	3642.7	3450.8	3248.6	3040.0	2825.3	2612.2	2397.3	2184.9
37.5°	4546.8	4364.9	4169.9	3962.7	3747.6	3523.7	3294.2	3061.7	2826.7	2595.5	2365.1
35°	4923.8	4724.6	4509.4	4283.1	4046.4	3801.3	3549.5	3294.9	3042.1	2792.1	2542.4
32.5°	5297.3	5081.5	4849.5	4601.9	4341.3	4074.5	3803.8	3528.8	3252.2	2985.2	2719.2
30°	5674.1	5435.1	5183.8	4916.2	4633.6	4343.1	4049.9	3758.6	3463.7	3169.9	2888.6
27.5°	6043.2	5782.5	5509.3	5220.0	4918.1	4606.3	4291.3	3980.4	3665.9	3353.6	3050.3
25°	6402.4	6120.9	5819.6	5510.5	5190.5	4858.1	4519.5	4190.6	3862.2	3527.9	3195.3
22.5°	6748.1	6439.9	6115.1	5784.6	5447.9	5098.7	4737.6	4383.1	4043.3	3684.3	3336.7
20°	7066.9	6736.0	6389.1	6041.0	5685.0	5327.6	4940.7	4563.7	4198.1	3829.6	3464.9
17.5°	7349.7	7013.5	6649.7	6282.7	5903.7	5527.5	5130.6	4728.0	4340.6	3958.6	3577.7
15°	7599.1	7263.1	6894.7	6507.7	6103.0	5692.2	5291.3	4873.2	4470.5	4072.8	3682.0
12.5°	7825.5	7473.8	7105.9	6696.6	6267.0	5838.4	5421.5	5000.4	4586.1	4177.1	3775.9
10°	8028.7	7646.4	7257.1	6842.3	6404.1	5961.7	5532.4	5107.4	4684.4	4266.5	3853.3
7.5°	8167.9	7774.4	7372.2	6958.8	6519.9	6070.5	5628.3	5193.3	4761.0	4337.7	3913.6
5°	8270.8	7875.4	7471.9	7052.8	6609.8	6151.8	5699.1	5255.6	4815.6	4389.8	3956.6
2.5°	8349.7	7944.5	7539.9	7111.6	6668.0	6206.6	5749.7	5302.5	4858.9	4428.0	3994.6
0°	8405.7	7970.3	7579.2	7158.5	6704.6	6239.7	5782.2	5332.0	4885.5	4446.4	4014.7
-2.5°	8349.7	7944.5	7539.9	7111.6	6668.0	6206.6	5749.7	5302.5	4858.9	4428.0	3994.6
-5°	8270.8	7875.4	7471.9	7052.8	6609.8	6151.8	5699.1	5255.6	4815.6	4389.8	3956.6
-7.5°	8167.9	7774.4	7372.2	6958.8	6519.9	6070.5	5628.3	5193.3	4761.0	4337.7	3913.6
-10°	8028.7	7646.4	7257.1	6842.3	6404.1	5961.7	5532.4	5107.4	4684.4	4266.5	3853.3
-12.5°	7825.5	7473.8	7105.9	6696.6	6267.0	5838.4	5421.5	5000.4	4586.1	4177.1	3775.9
-15°	7599.1	7263.1	6894.7	6507.7	6103.0	5692.2	5291.3	4873.2	4470.5	4072.8	3682.0
-17.5°	7349.7	7013.5	6649.7	6282.7	5903.7	5527.5	5130.6	4728.0	4340.6	3958.6	3577.7
-20°	7066.9	6736.0	6389.1	6041.0	5685.0	5327.6	4940.7	4563.7	4198.1	3829.6	3464.9



REPORT NUMBER: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6748.1	6439.9	6115.1	5784.6	5447.9	5098.7	4737.6	4383.1	4043.3	3684.3	3336.7
-25°	6402.4	6120.9	5819.6	5510.5	5190.5	4858.1	4519.5	4190.6	3862.2	3527.9	3195.3
-27.5°	6043.2	5782.5	5509.3	5220.0	4918.1	4606.3	4291.3	3980.4	3665.9	3353.6	3050.3
-30°	5674.1	5435.1	5183.8	4916.2	4633.6	4343.1	4049.9	3758.6	3463.7	3169.9	2888.6
-32.5°	5297.3	5081.5	4849.5	4601.9	4341.3	4074.5	3803.8	3528.8	3252.2	2985.2	2719.2
-35°	4923.8	4724.6	4509.4	4283.1	4046.4	3801.3	3549.5	3294.9	3042.1	2792.1	2542.4
-37.5°	4546.8	4364.9	4169.9	3962.7	3747.6	3523.7	3294.2	3061.7	2826.7	2595.5	2365.1
-40°	4179.3	4010.9	3830.9	3642.7	3450.8	3248.6	3040.0	2825.3	2612.2	2397.3	2184.9
-42.5°	3820.0	3664.4	3499.2	3334.7	3158.6	2975.1	2784.6	2591.5	2395.3	2199.9	2012.1
-45°	3459.3	3320.9	3178.2	3028.5	2867.1	2703.2	2532.4	2357.2	2178.7	2009.3	1837.4
-47.5°	3100.7	2988.5	2861.1	2725.2	2584.0	2435.5	2283.3	2123.2	1974.8	1820.8	1674.2
-50°	2774.4	2670.8	2556.3	2433.4	2310.1	2177.1	2043.3	1910.2	1776.1	1643.3	1514.3
-52.5°	2453.2	2362.8	2263.4	2156.4	2045.6	1930.8	1813.9	1703.2	1584.8	1476.5	1368.8
-55°	2141.6	2066.1	1980.4	1886.3	1788.8	1700.5	1604.3	1507.9	1416.9	1321.2	1232.2
-57.5°	1849.1	1785.2	1716.9	1643.9	1566.6	1490.5	1413.6	1334.1	1258.6	1179.8	1098.9
-60°	1585.3	1533.3	1481.0	1423.8	1361.6	1296.5	1237.0	1173.8	1107.1	1042.4	971.0
-62.5°	1347.3	1312.4	1266.9	1220.7	1173.6	1125.1	1072.8	1020.8	968.0	910.9	845.7
-65°	1122.7	1095.2	1061.8	1029.9	995.2	957.4	914.8	872.5	828.2	779.8	721.9
-67.5°	918.4	899.5	876.4	851.8	826.9	797.8	764.5	728.0	691.8	651.5	605.8
-70°	745.8	733.5	717.2	696.9	676.8	655.9	631.0	601.2	566.2	529.8	496.5
-72.5°	606.1	598.3	587.4	572.4	554.7	535.7	512.5	485.4	455.3	422.4	392.5
-75°	491.0	487.6	480.6	465.4	447.1	425.6	403.4	378.8	350.0	317.0	288.8
-77.5°	389.4	389.9	386.7	370.1	351.9	331.9	309.2	281.2	253.1	224.8	203.3
-80°	286.0	287.9	286.0	269.3	252.4	235.4	217.3	194.0	170.5	148.1	131.3
-82.5°	177.4	176.6	174.0	164.0	153.9	143.8	133.1	117.2	101.6	86.4	73.1
-85°	84.4	81.1	77.6	74.0	70.1	66.0	61.7	54.1	47.0	40.4	34.8
-87.5°	13.9	13.7	13.4	13.1	12.8	12.5	12.1	11.7	11.3	10.9	10.5
-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: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.6	10.7	10.7	10.5	9.4	8.3	7.2	6.3	5.7	5.1	4.4
85°	34.9	34.0	32.2	29.2	23.0	16.6	14.5	12.5	11.3	10.1	8.9
82.5°	72.8	73.6	73.5	71.3	62.9	54.1	44.9	35.3	26.2	16.7	13.3
80°	131.6	130.1	127.0	121.0	107.2	91.6	79.9	67.8	55.9	43.5	30.6
77.5°	198.9	193.3	186.3	178.4	163.8	146.6	126.8	104.4	85.5	70.2	54.4
75°	274.2	265.1	255.4	242.3	223.5	201.9	180.2	154.1	125.1	97.8	77.9
72.5°	368.6	346.7	327.1	308.7	288.3	264.3	236.6	203.0	167.7	134.5	103.3
70°	464.2	431.3	402.0	376.9	352.4	327.2	296.8	255.3	209.6	170.4	133.7
67.5°	561.3	522.4	483.2	445.6	414.6	385.0	355.6	307.5	255.0	205.6	163.4
65°	668.4	616.6	566.7	520.3	478.3	441.2	406.8	356.3	299.1	243.5	192.3
62.5°	778.8	712.7	653.6	594.4	542.1	497.0	455.7	399.9	341.2	280.2	222.5
60°	894.8	819.5	741.1	672.0	607.7	550.8	500.7	443.0	380.7	315.5	252.4
57.5°	1017.0	928.5	840.3	753.0	675.9	607.6	544.5	483.8	419.4	350.3	280.3
55°	1140.8	1045.5	941.2	842.7	748.2	666.9	590.8	522.9	456.9	384.5	304.4
52.5°	1264.7	1160.0	1048.1	934.3	828.5	726.8	641.9	561.1	491.3	418.0	329.5
50°	1394.4	1274.3	1154.4	1031.5	908.4	797.0	691.1	604.8	524.8	449.7	353.3
47.5°	1529.3	1395.5	1262.1	1127.8	995.8	864.1	748.6	647.7	557.1	478.5	375.5
45°	1677.2	1520.7	1373.0	1227.8	1078.5	936.7	806.8	688.7	593.7	500.9	395.9
42.5°	1825.0	1652.9	1487.9	1326.4	1165.1	1008.7	862.0	737.0	628.8	522.3	414.7
40°	1982.2	1785.5	1602.6	1427.3	1249.7	1077.3	923.0	784.0	661.6	544.5	432.5
37.5°	2135.1	1921.5	1720.5	1523.8	1332.6	1151.3	981.8	828.1	692.7	569.5	449.3
35°	2296.9	2058.1	1829.5	1620.8	1417.9	1221.6	1036.7	872.6	728.6	593.9	465.2
32.5°	2453.1	2191.7	1946.5	1716.6	1499.4	1287.8	1093.3	919.6	763.1	617.5	480.0
30°	2606.7	2325.8	2058.6	1807.1	1578.3	1357.2	1150.1	963.6	796.1	640.3	494.9
27.5°	2748.3	2449.9	2166.1	1900.7	1655.9	1423.1	1203.7	1004.4	827.3	663.8	512.2
25°	2880.3	2569.4	2272.0	1990.8	1727.9	1485.5	1253.0	1042.2	859.2	688.3	528.2
22.5°	3004.0	2680.3	2368.0	2073.7	1794.5	1542.8	1301.2	1082.4	889.3	710.8	542.9
20°	3116.6	2780.2	2454.0	2148.9	1859.4	1597.4	1347.4	1118.5	916.2	731.2	556.1
17.5°	3217.9	2871.5	2536.0	2219.2	1919.8	1645.9	1388.6	1150.3	939.8	749.5	567.7
15°	3312.0	2954.5	2608.5	2280.5	1972.1	1688.1	1424.4	1177.7	960.1	765.3	578.8
12.5°	3392.8	3025.6	2670.1	2332.7	2016.2	1723.8	1454.6	1200.7	976.9	779.6	589.3
10°	3459.4	3084.5	2720.3	2375.3	2051.8	1753.0	1479.2	1220.0	992.7	792.0	597.3
7.5°	3511.3	3130.5	2759.1	2408.1	2080.0	1777.3	1500.1	1236.7	1005.4	801.5	602.9
5°	3550.5	3166.5	2792.8	2435.7	2106.0	1797.0	1515.4	1248.7	1014.6	808.1	606.1
2.5°	3585.4	3193.5	2819.2	2453.6	2123.7	1809.8	1524.5	1255.9	1020.2	811.5	606.9
0°	3605.1	3206.6	2833.9	2461.2	2132.8	1815.5	1527.6	1258.3	1022.1	811.8	605.2
-2.5°	3585.4	3193.5	2819.2	2453.6	2123.7	1809.8	1524.5	1255.9	1020.2	811.5	606.9
-5°	3550.5	3166.5	2792.8	2435.7	2106.0	1797.0	1515.4	1248.7	1014.6	808.1	606.1
-7.5°	3511.3	3130.5	2759.1	2408.1	2080.0	1777.3	1500.1	1236.7	1005.4	801.5	602.9
-10°	3459.4	3084.5	2720.3	2375.3	2051.8	1753.0	1479.2	1220.0	992.7	792.0	597.3
-12.5°	3392.8	3025.6	2670.1	2332.7	2016.2	1723.8	1454.6	1200.7	976.9	779.6	589.3
-15°	3312.0	2954.5	2608.5	2280.5	1972.1	1688.1	1424.4	1177.7	960.1	765.3	578.8
-17.5°	3217.9	2871.5	2536.0	2219.2	1919.8	1645.9	1388.6	1150.3	939.8	749.5	567.7
-20°	3116.6	2780.2	2454.0	2148.9	1859.4	1597.4	1347.4	1118.5	916.2	731.2	556.1



REPORT NUMBER: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3004.0	2680.3	2368.0	2073.7	1794.5	1542.8	1301.2	1082.4	889.3	710.8	542.9
-25°	2880.3	2569.4	2272.0	1990.8	1727.9	1485.5	1253.0	1042.2	859.2	688.3	528.2
-27.5°	2748.3	2449.9	2166.1	1900.7	1655.9	1423.1	1203.7	1004.4	827.3	663.8	512.2
-30°	2606.7	2325.8	2058.6	1807.1	1578.3	1357.2	1150.1	963.6	796.1	640.3	494.9
-32.5°	2453.1	2191.7	1946.5	1716.6	1499.4	1287.8	1093.3	919.6	763.1	617.5	480.0
-35°	2296.9	2058.1	1829.5	1620.8	1417.9	1221.6	1036.7	872.6	728.6	593.9	465.2
-37.5°	2135.1	1921.5	1720.5	1523.8	1332.6	1151.3	981.8	828.1	692.7	569.5	449.3
-40°	1982.2	1785.5	1602.6	1427.3	1249.7	1077.3	923.0	784.0	661.6	544.5	432.5
-42.5°	1825.0	1652.9	1487.9	1326.4	1165.1	1008.7	862.0	737.0	628.8	522.3	414.7
-45°	1677.2	1520.7	1373.0	1227.8	1078.5	936.7	806.8	688.7	593.7	500.9	395.9
-47.5°	1529.3	1395.5	1262.1	1127.8	995.8	864.1	748.6	647.7	557.1	478.5	375.5
-50°	1394.4	1274.3	1154.4	1031.5	908.4	797.0	691.1	604.8	524.8	449.7	353.3
-52.5°	1264.7	1160.0	1048.1	934.3	828.5	726.8	641.9	561.1	491.3	418.0	329.5
-55°	1140.8	1045.5	941.2	842.7	748.2	666.9	590.8	522.9	456.9	384.5	304.4
-57.5°	1017.0	928.5	840.3	753.0	675.9	607.6	544.5	483.8	419.4	350.3	280.3
-60°	894.8	819.5	741.1	672.0	607.7	550.8	500.7	443.0	380.7	315.5	252.4
-62.5°	778.8	712.7	653.6	594.4	542.1	497.0	455.7	399.9	341.2	280.2	222.5
-65°	668.4	616.6	566.7	520.3	478.3	441.2	406.8	356.3	299.1	243.5	192.3
-67.5°	561.3	522.4	483.2	445.6	414.6	385.0	355.6	307.5	255.0	205.6	163.4
-70°	464.2	431.3	402.0	376.9	352.4	327.2	296.8	255.3	209.6	170.4	133.7
-72.5°	368.6	346.7	327.1	308.7	288.3	264.3	236.6	203.0	167.7	134.5	103.3
-75°	274.2	265.1	255.4	242.3	223.5	201.9	180.2	154.1	125.1	97.8	77.9
-77.5°	198.9	193.3	186.3	178.4	163.8	146.6	126.8	104.4	85.5	70.2	54.4
-80°	131.6	130.1	127.0	121.0	107.2	91.6	79.9	67.8	55.9	43.5	30.6
-82.5°	72.8	73.6	73.5	71.3	62.9	54.1	44.9	35.3	26.2	16.7	13.3
-85°	34.9	34.0	32.2	29.2	23.0	16.6	14.5	12.5	11.3	10.1	8.9
-87.5°	10.6	10.7	10.7	10.5	9.4	8.3	7.2	6.3	5.7	5.1	4.4
-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: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
85°	7.7	6.4	5.1	3.9	2.6	1.1	0.0
82.5°	11.5	9.6	7.7	5.8	3.9	1.7	0.0
80°	17.2	12.8	10.2	7.7	5.1	2.2	0.0
77.5°	37.5	20.0	12.8	9.6	6.4	2.8	0.0
75°	57.2	34.5	16.6	11.5	7.6	3.3	0.0
72.5°	76.4	48.6	26.4	13.3	8.8	3.9	0.0
70°	95.5	62.3	35.9	15.9	10.0	4.4	0.0
67.5°	118.5	75.3	45.1	21.8	11.1	4.9	0.0
65°	140.5	89.9	53.8	27.5	12.2	5.4	0.0
62.5°	161.4	106.0	62.1	32.9	13.3	5.9	0.0
60°	181.1	121.1	69.8	38.0	14.3	6.3	0.0
57.5°	201.8	135.4	80.2	42.8	17.2	6.8	0.0
55°	221.4	148.6	90.1	47.2	20.0	7.2	0.0
52.5°	239.6	161.2	99.3	51.3	22.6	7.6	0.0
50°	256.2	174.6	107.8	55.1	25.2	8.0	0.0
47.5°	271.8	186.8	115.5	59.0	27.7	8.4	0.0
45°	289.2	197.8	122.5	64.2	30.0	8.8	0.0
42.5°	305.1	207.5	128.6	68.8	32.2	9.1	0.0
40°	319.5	216.1	134.8	73.6	34.3	9.4	0.0
37.5°	332.5	223.4	140.9	78.3	36.3	9.7	0.0
35°	343.9	231.8	146.2	82.7	38.1	10.0	0.0
32.5°	354.4	240.2	150.6	86.7	39.7	10.2	0.0
30°	365.4	247.4	154.1	90.4	41.3	10.4	0.0
27.5°	375.2	253.4	159.4	93.7	42.6	10.6	0.0
25°	383.9	258.2	164.3	96.7	43.9	10.8	0.0
22.5°	391.3	262.9	168.7	99.4	45.0	10.9	0.0
20°	397.4	269.4	172.4	101.6	45.9	11.0	0.0
17.5°	405.1	274.8	175.6	103.6	46.7	11.1	0.0
15°	413.1	278.9	178.1	105.1	47.3	11.2	0.0
12.5°	419.5	281.9	180.0	106.3	47.8	11.2	0.0
10°	424.5	283.8	181.4	107.2	48.1	11.2	0.0
7.5°	427.8	284.5	182.1	107.6	48.3	11.2	0.0
5°	429.5	284.2	182.3	107.8	48.4	11.2	0.0
2.5°	429.6	282.8	181.8	107.6	48.2	11.2	0.0
0°	428.0	280.4	180.8	107.0	48.0	11.1	0.0
-2.5°	429.6	282.8	181.8	107.6	48.2	11.2	0.0
-5°	429.5	284.2	182.3	107.8	48.4	11.2	0.0
-7.5°	427.8	284.5	182.1	107.6	48.3	11.2	0.0
-10°	424.5	283.8	181.4	107.2	48.1	11.2	0.0
-12.5°	419.5	281.9	180.0	106.3	47.8	11.2	0.0
-15°	413.1	278.9	178.1	105.1	47.3	11.2	0.0
-17.5°	405.1	274.8	175.6	103.6	46.7	11.1	0.0
-20°	397.4	269.4	172.4	101.6	45.9	11.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627251 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	391.3	262.9	168.7	99.4	45.0	10.9	0.0
-25°	383.9	258.2	164.3	96.7	43.9	10.8	0.0
-27.5°	375.2	253.4	159.4	93.7	42.6	10.6	0.0
-30°	365.4	247.4	154.1	90.4	41.3	10.4	0.0
-32.5°	354.4	240.2	150.6	86.7	39.7	10.2	0.0
-35°	343.9	231.8	146.2	82.7	38.1	10.0	0.0
-37.5°	332.5	223.4	140.9	78.3	36.3	9.7	0.0
-40°	319.5	216.1	134.8	73.6	34.3	9.4	0.0
-42.5°	305.1	207.5	128.6	68.8	32.2	9.1	0.0
-45°	289.2	197.8	122.5	64.2	30.0	8.8	0.0
-47.5°	271.8	186.8	115.5	59.0	27.7	8.4	0.0
-50°	256.2	174.6	107.8	55.1	25.2	8.0	0.0
-52.5°	239.6	161.2	99.3	51.3	22.6	7.6	0.0
-55°	221.4	148.6	90.1	47.2	20.0	7.2	0.0
-57.5°	201.8	135.4	80.2	42.8	17.2	6.8	0.0
-60°	181.1	121.1	69.8	38.0	14.3	6.3	0.0
-62.5°	161.4	106.0	62.1	32.9	13.3	5.9	0.0
-65°	140.5	89.9	53.8	27.5	12.2	5.4	0.0
-67.5°	118.5	75.3	45.1	21.8	11.1	4.9	0.0
-70°	95.5	62.3	35.9	15.9	10.0	4.4	0.0
-72.5°	76.4	48.6	26.4	13.3	8.8	3.9	0.0
-75°	57.2	34.5	16.6	11.5	7.6	3.3	0.0
-77.5°	37.5	20.0	12.8	9.6	6.4	2.8	0.0
-80°	17.2	12.8	10.2	7.7	5.1	2.2	0.0
-82.5°	11.5	9.6	7.7	5.8	3.9	1.7	0.0
-85°	7.7	6.4	5.1	3.9	2.6	1.1	0.0
-87.5°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)