

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: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6D-727-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627921 (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-SA6D-727-U-VWR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N139
Light Source: (96) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

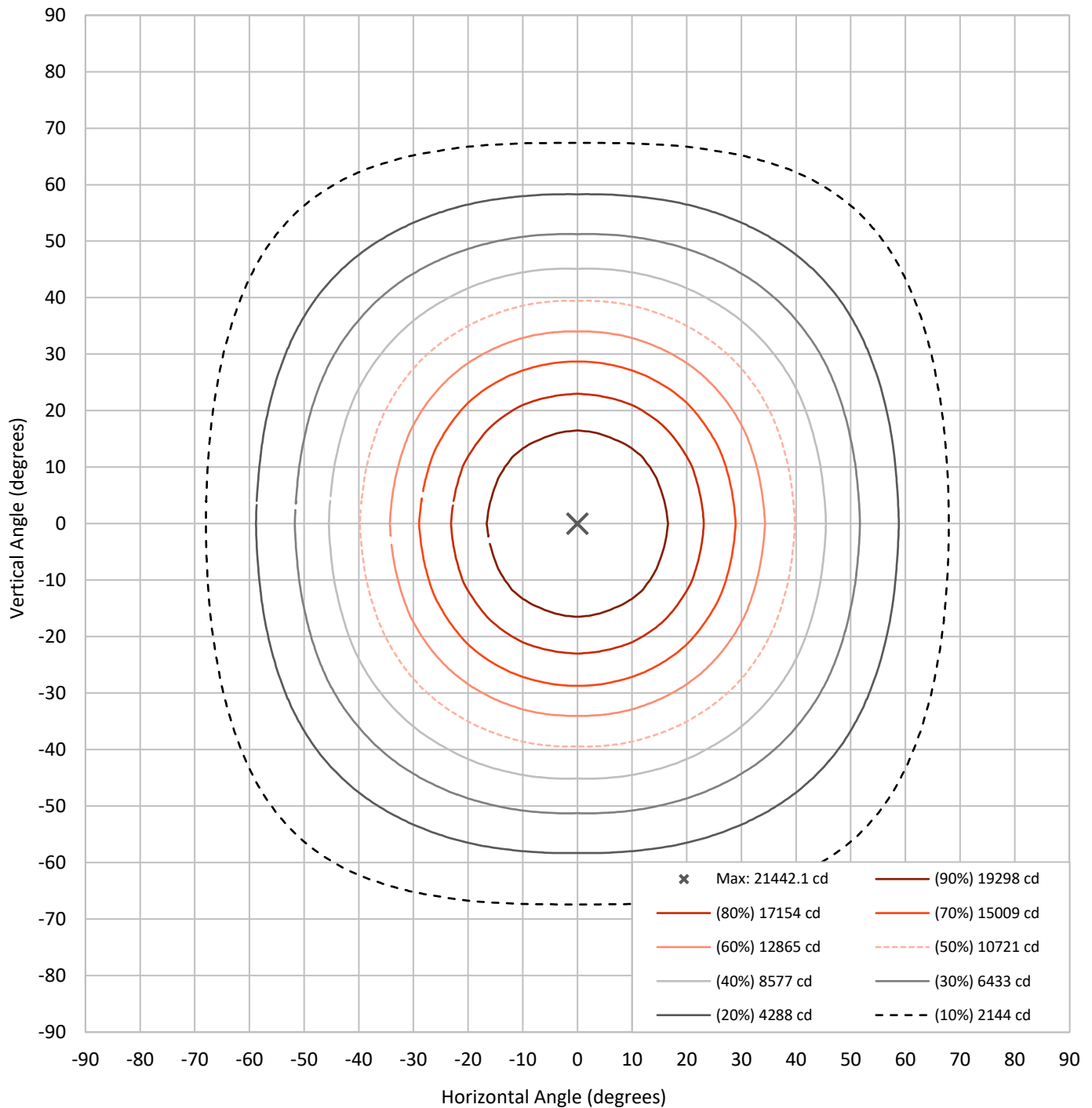
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	38754.8 lumens	Max Intensity:	21442.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	118.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' 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:	22729.9 lumens	Field Lumens:	36946.1 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	325.9		
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		



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Iso-Candela Plot





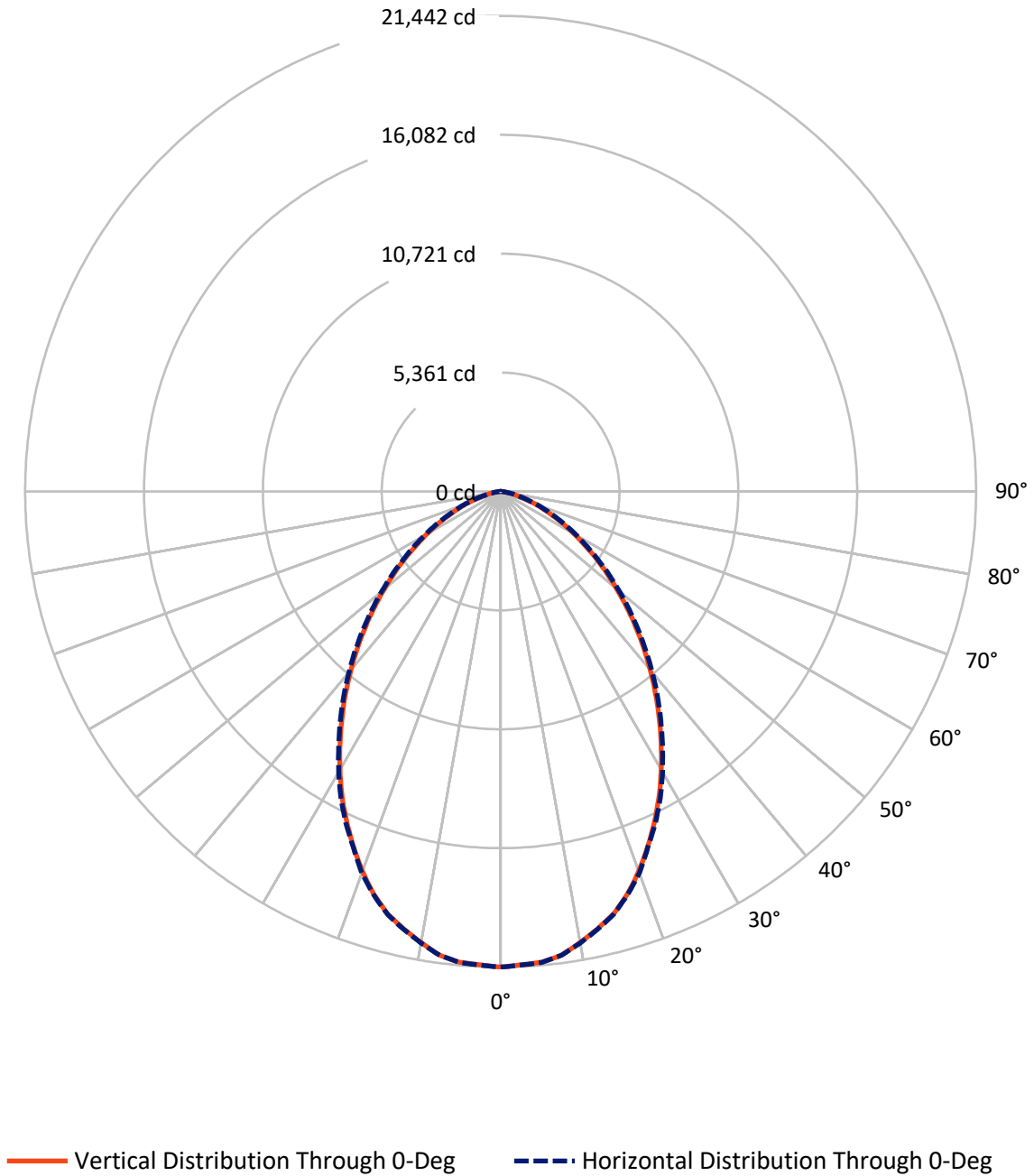
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Lumen Table

90																			
80	1.3	15.9	43.2	73.4	69.2	73.4	43.2	15.9	1.3										
70																			
60	7.2	9.9	20.1	34.2	50.0	64.6	75.6	80.8	80.8	75.6	64.6	50.0	34.2	20.1	9.9				7.2
50																			
40	12.6	14.9	32.6	58.1	88.0	119.6	145.6	159.1	159.1	145.6	119.6	88.0	58.1	32.6	14.9				12.6
30																			
20	16.3	20.0	47.1	87.0	137.8	191.1	235.7	260.1	260.1	235.7	191.1	137.8	87.0	47.1	20.0				16.3
10																			
0	17.7	25.3	62.4	119.8	193.0	270.6	336.8	374.5	374.5	336.8	270.6	193.0	119.8	62.4	25.3				17.7
-10																			
-20	16.3	30.3	76.8	150.6	245.7	348.7	438.7	490.3	490.3	438.7	348.7	245.7	150.6	76.8	30.3				16.3
-30																			
-40	12.6	34.2	87.9	173.7	286.8	412.2	522.8	585.6	585.6	522.8	412.2	286.8	173.7	87.9	34.2				12.6
-50																			
-60	7.2	36.3	94.1	186.8	309.7	447.3	568.2	634.3	634.3	568.2	447.3	309.7	186.8	94.1	36.3				7.2
-70																			
-80	1.3	36.3	94.1	186.8	309.7	447.3	568.2	634.3	634.3	568.2	447.3	309.7	186.8	94.1	36.3				1.3
-90																			

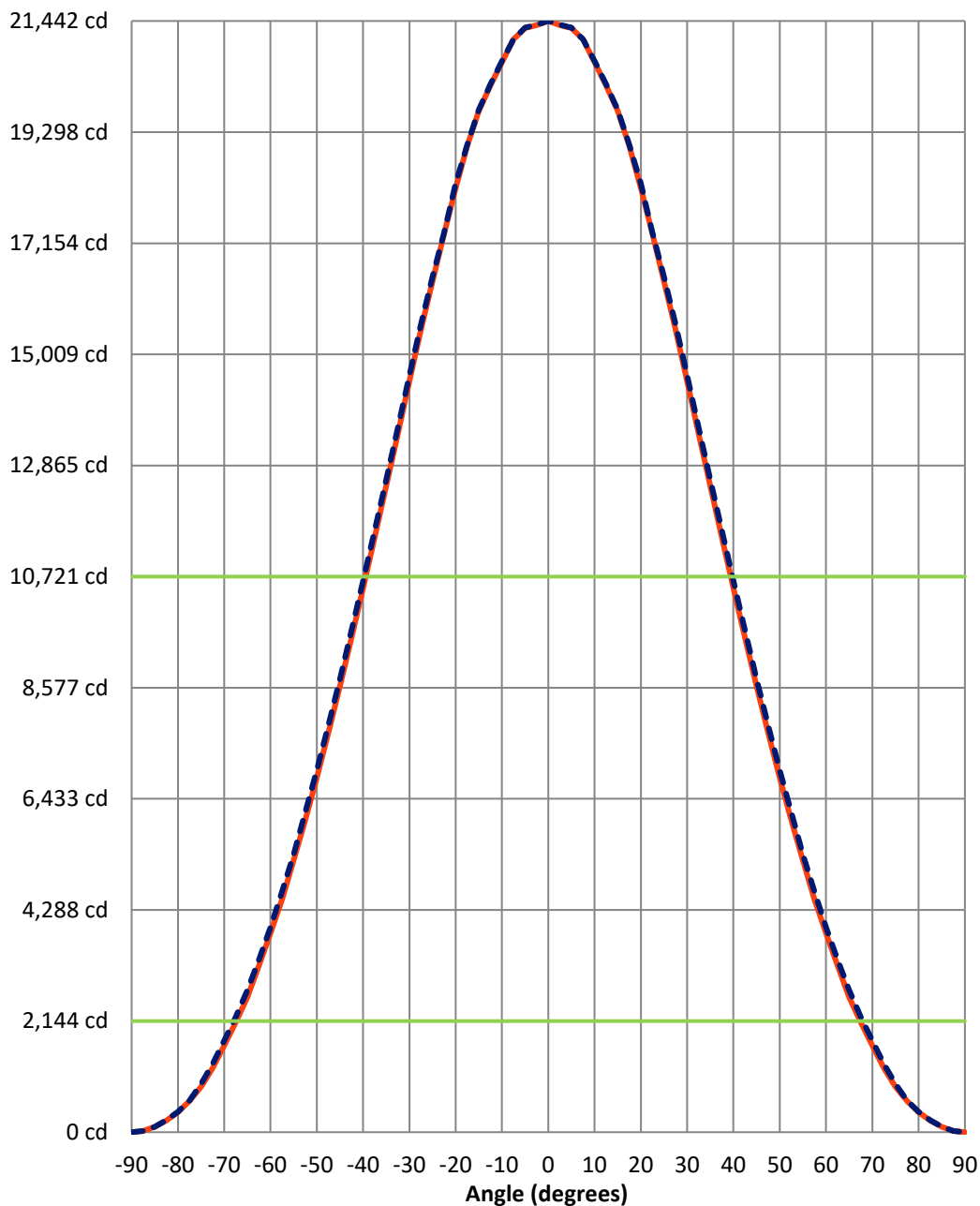
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 22729.9
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 36946.1
 Efficiency: 95.3%

Spill:
 Lumens: 1808.7
 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	1.2	2.8	4.2	5.6	6.9	8.3	9.6	11.0	12.3	13.6
85°	0.0	2.4	5.6	8.4	11.1	13.9	16.6	19.3	21.9	24.5	27.1
82.5°	0.0	3.7	8.4	12.5	16.7	20.8	24.9	28.9	36.2	56.9	76.9
80°	0.0	4.9	11.1	16.7	22.2	27.7	37.4	66.6	94.7	121.8	147.6
77.5°	0.0	6.1	13.8	20.8	27.7	43.4	81.6	118.4	153.0	186.3	227.4
75°	0.0	7.2	16.5	24.9	36.0	75.1	124.7	169.8	213.1	272.6	335.7
72.5°	0.0	8.4	19.1	28.9	57.5	105.9	166.4	225.0	292.9	365.4	442.0
70°	0.0	9.5	21.6	34.6	78.2	135.7	208.2	291.3	371.2	456.4	556.2
67.5°	0.0	10.6	24.1	47.4	98.2	164.1	258.2	355.9	447.7	555.4	669.7
65°	0.0	11.7	26.5	59.8	117.2	196.0	306.1	418.8	530.3	651.4	776.0
62.5°	0.0	12.8	28.8	71.5	135.3	230.9	351.6	484.5	610.2	743.2	871.1
60°	0.0	13.8	31.0	82.7	152.2	263.9	394.4	549.8	687.1	829.2	964.8
57.5°	0.0	14.8	37.3	93.2	174.8	294.9	439.5	610.6	762.9	913.6	1053.7
55°	0.0	15.7	43.4	102.9	196.3	323.7	482.3	663.1	837.5	995.1	1139.0
52.5°	0.0	16.6	49.3	111.9	216.3	351.1	521.8	717.7	910.4	1070.2	1222.1
50°	0.0	17.5	54.9	120.2	234.8	380.2	558.1	769.6	979.5	1143.0	1317.4
47.5°	0.0	18.3	60.3	128.7	251.6	406.7	592.1	817.8	1042.2	1213.4	1410.7
45°	0.0	19.0	65.4	139.9	266.7	430.7	629.9	862.3	1090.9	1293.2	1500.0
42.5°	0.0	19.8	70.2	150.0	280.1	452.0	664.5	903.2	1137.5	1369.5	1605.1
40°	0.0	20.4	74.7	160.4	293.5	470.6	696.0	941.9	1186.0	1441.0	1707.6
37.5°	0.0	21.0	79.0	170.6	306.9	486.4	724.1	978.6	1240.4	1508.8	1803.6
35°	0.0	21.6	82.9	180.1	318.3	504.8	748.9	1013.2	1293.4	1586.9	1900.5
32.5°	0.0	22.1	86.6	188.9	327.9	523.2	771.9	1045.5	1344.9	1662.0	2003.0
30°	0.0	22.6	89.9	196.9	335.6	538.9	795.8	1077.9	1394.6	1733.8	2098.8
27.5°	0.0	23.0	92.9	204.2	347.0	551.9	817.2	1115.5	1445.7	1801.9	2187.7
25°	0.0	23.4	95.6	210.7	357.8	562.2	836.1	1150.4	1499.0	1871.3	2270.0
22.5°	0.0	23.7	97.9	216.4	367.3	572.6	852.3	1182.4	1548.1	1936.9	2357.6
20°	0.0	23.9	100.0	221.4	375.5	586.8	865.6	1211.2	1592.6	1995.5	2436.1
17.5°	0.0	24.1	101.7	225.6	382.3	598.4	882.3	1236.5	1632.3	2047.0	2505.3
15°	0.0	24.3	103.0	229.0	387.9	607.5	899.7	1260.7	1666.8	2091.1	2565.0
12.5°	0.0	24.4	104.1	231.6	392.1	614.0	913.8	1283.4	1698.0	2127.8	2615.0
10°	0.0	24.4	104.8	233.4	395.0	618.1	924.5	1300.9	1725.0	2162.1	2657.1
7.5°	0.0	24.4	105.2	234.5	396.6	619.7	931.9	1313.1	1745.7	2189.8	2693.5
5°	0.0	24.4	105.3	234.8	397.0	619.0	935.6	1320.1	1759.9	2209.9	2719.6
2.5°	0.0	24.3	105.0	234.3	396.0	616.0	935.8	1321.7	1767.5	2222.1	2735.3
0°	0.0	24.1	104.5	233.1	393.8	610.8	932.3	1318.0	1768.1	2226.2	2740.5
-2.5°	0.0	24.3	105.0	234.3	396.0	616.0	935.8	1321.7	1767.5	2222.1	2735.3
-5°	0.0	24.4	105.3	234.8	397.0	619.0	935.6	1320.1	1759.9	2209.9	2719.6
-7.5°	0.0	24.4	105.2	234.5	396.6	619.7	931.9	1313.1	1745.7	2189.8	2693.5
-10°	0.0	24.4	104.8	233.4	395.0	618.1	924.5	1300.9	1725.0	2162.1	2657.1
-12.5°	0.0	24.4	104.1	231.6	392.1	614.0	913.8	1283.4	1698.0	2127.8	2615.0
-15°	0.0	24.3	103.0	229.0	387.9	607.5	899.7	1260.7	1666.8	2091.1	2565.0
-17.5°	0.0	24.1	101.7	225.6	382.3	598.4	882.3	1236.5	1632.3	2047.0	2505.3
-20°	0.0	23.9	100.0	221.4	375.5	586.8	865.6	1211.2	1592.6	1995.5	2436.1

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Scaled Data Report



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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	23.7	97.9	216.4	367.3	572.6	852.3	1182.4	1548.1	1936.9	2357.6
-25°	0.0	23.4	95.6	210.7	357.8	562.2	836.1	1150.4	1499.0	1871.3	2270.0
-27.5°	0.0	23.0	92.9	204.2	347.0	551.9	817.2	1115.5	1445.7	1801.9	2187.7
-30°	0.0	22.6	89.9	196.9	335.6	538.9	795.8	1077.9	1394.6	1733.8	2098.8
-32.5°	0.0	22.1	86.6	188.9	327.9	523.2	771.9	1045.5	1344.9	1662.0	2003.0
-35°	0.0	21.6	82.9	180.1	318.3	504.8	748.9	1013.2	1293.4	1586.9	1900.5
-37.5°	0.0	21.0	79.0	170.6	306.9	486.4	724.1	978.6	1240.4	1508.8	1803.6
-40°	0.0	20.4	74.7	160.4	293.5	470.6	696.0	941.9	1186.0	1441.0	1707.6
-42.5°	0.0	19.8	70.2	150.0	280.1	452.0	664.5	903.2	1137.5	1369.5	1605.1
-45°	0.0	19.0	65.4	139.9	266.7	430.7	629.9	862.3	1090.9	1293.2	1500.0
-47.5°	0.0	18.3	60.3	128.7	251.6	406.7	592.1	817.8	1042.2	1213.4	1410.7
-50°	0.0	17.5	54.9	120.2	234.8	380.2	558.1	769.6	979.5	1143.0	1317.4
-52.5°	0.0	16.6	49.3	111.9	216.3	351.1	521.8	717.7	910.4	1070.2	1222.1
-55°	0.0	15.7	43.4	102.9	196.3	323.7	482.3	663.1	837.5	995.1	1139.0
-57.5°	0.0	14.8	37.3	93.2	174.8	294.9	439.5	610.6	762.9	913.6	1053.7
-60°	0.0	13.8	31.0	82.7	152.2	263.9	394.4	549.8	687.1	829.2	964.8
-62.5°	0.0	12.8	28.8	71.5	135.3	230.9	351.6	484.5	610.2	743.2	871.1
-65°	0.0	11.7	26.5	59.8	117.2	196.0	306.1	418.8	530.3	651.4	776.0
-67.5°	0.0	10.6	24.1	47.4	98.2	164.1	258.2	355.9	447.7	555.4	669.7
-70°	0.0	9.5	21.6	34.6	78.2	135.7	208.2	291.3	371.2	456.4	556.2
-72.5°	0.0	8.4	19.1	28.9	57.5	105.9	166.4	225.0	292.9	365.4	442.0
-75°	0.0	7.2	16.5	24.9	36.0	75.1	124.7	169.8	213.1	272.6	335.7
-77.5°	0.0	6.1	13.8	20.8	27.7	43.4	81.6	118.4	153.0	186.3	227.4
-80°	0.0	4.9	11.1	16.7	22.2	27.7	37.4	66.6	94.7	121.8	147.6
-82.5°	0.0	3.7	8.4	12.5	16.7	20.8	24.9	28.9	36.2	56.9	76.9
-85°	0.0	2.4	5.6	8.4	11.1	13.9	16.6	19.3	21.9	24.5	27.1
-87.5°	0.0	1.2	2.8	4.2	5.6	6.9	8.3	9.6	11.0	12.3	13.6
-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°	15.7	18.1	20.5	23.0	23.2	23.2	23.1	22.7	23.7	24.6	25.5
85°	31.4	36.0	50.1	63.6	70.1	74.1	75.9	75.6	88.0	102.3	117.7
82.5°	97.8	117.9	137.1	155.4	160.2	160.3	158.7	159.2	188.1	221.3	255.3
80°	174.1	199.6	233.6	263.6	276.7	283.4	286.5	286.1	322.6	371.4	422.6
77.5°	276.2	319.2	356.7	388.5	405.7	420.9	433.2	442.7	489.7	551.3	612.4
75°	392.5	439.8	486.7	527.6	556.2	577.4	597.2	629.0	690.5	762.4	824.9
72.5°	515.3	575.6	627.9	672.3	712.5	755.1	802.8	855.0	920.0	991.7	1057.1
70°	646.4	712.7	767.5	821.0	875.7	939.5	1011.0	1081.4	1153.9	1233.1	1309.3
67.5°	774.7	838.6	903.1	970.6	1052.4	1137.9	1222.4	1319.5	1418.9	1506.9	1585.5
65°	886.1	961.1	1041.7	1133.3	1234.4	1342.9	1455.8	1572.3	1698.4	1804.0	1900.2
62.5°	992.5	1082.6	1180.7	1294.7	1423.6	1552.2	1696.2	1842.1	1983.9	2108.4	2223.4
60°	1090.5	1199.7	1323.7	1463.5	1614.0	1784.9	1949.0	2114.8	2270.3	2411.2	2556.6
57.5°	1185.9	1323.3	1472.1	1640.0	1830.3	2022.3	2215.0	2393.4	2569.5	2741.2	2905.6
55°	1286.9	1452.4	1629.5	1835.4	2050.0	2277.0	2484.6	2683.7	2877.7	3086.1	3284.2
52.5°	1398.0	1582.9	1804.5	2035.0	2282.8	2526.4	2754.6	2981.3	3215.9	3451.7	3709.6
50°	1505.1	1735.8	1978.6	2246.6	2514.3	2775.4	3037.0	3298.2	3579.1	3868.4	4160.6
47.5°	1630.4	1882.0	2168.8	2456.3	2748.9	3039.4	3330.9	3646.5	3965.7	4301.2	4624.4
45°	1757.2	2040.1	2349.0	2674.2	2990.5	3312.2	3653.0	4001.9	4376.2	4745.1	5134.0
42.5°	1877.3	2197.1	2537.7	2888.8	3240.7	3600.1	3974.9	4382.5	4791.5	5217.0	5644.3
40°	2010.4	2346.4	2721.9	3108.8	3490.6	3889.0	4317.3	4758.7	5221.5	5689.4	6153.4
37.5°	2138.3	2507.7	2902.5	3318.8	3747.3	4185.1	4650.2	5151.2	5653.1	6156.6	6668.4
35°	2258.1	2660.6	3088.2	3530.2	3984.7	4482.6	5002.5	5537.4	6081.2	6625.7	7176.2
32.5°	2381.4	2804.8	3265.7	3738.8	4239.5	4773.5	5343.0	5922.6	6501.7	7083.2	7685.8
30°	2504.9	2956.0	3437.6	3936.0	4483.7	5065.5	5677.6	6291.5	6904.2	7544.0	8186.2
27.5°	2621.6	3099.5	3606.6	4139.8	4717.7	5335.9	5985.9	6643.6	7304.2	7984.5	8669.4
25°	2729.1	3235.4	3763.4	4335.9	4948.4	5596.1	6273.3	6959.5	7684.0	8412.0	9127.2
22.5°	2833.9	3360.2	3908.6	4516.6	5157.5	5837.7	6542.9	7267.6	8024.6	8806.3	9546.5
20°	2934.7	3479.1	4049.9	4680.4	5344.7	6055.3	6787.9	7546.7	8340.9	9143.6	9939.7
17.5°	3024.3	3584.7	4181.4	4833.4	5523.5	6254.1	7008.7	7792.5	8622.0	9454.0	10297.6
15°	3102.3	3676.7	4295.3	4967.1	5681.5	6434.9	7213.6	8019.7	8870.6	9736.9	10613.9
12.5°	3168.2	3754.5	4391.2	5080.6	5815.5	6589.9	7389.7	8224.0	9097.9	9988.5	10890.9
10°	3221.8	3818.0	4468.9	5173.4	5925.0	6718.1	7534.6	8392.5	9292.6	10202.6	11124.0
7.5°	3267.4	3870.9	4530.4	5245.0	6009.3	6818.4	7647.6	8524.0	9447.7	10369.5	11311.1
5°	3300.6	3913.7	4587.0	5305.0	6082.7	6896.8	7733.1	8617.6	9561.1	10488.4	11446.9
2.5°	3320.5	3941.6	4625.5	5343.9	6140.4	6955.5	7809.1	8700.4	9644.2	10582.7	11548.9
0°	3327.2	3954.1	4645.3	5360.5	6172.3	6984.0	7851.9	8744.0	9684.3	10640.7	11613.2
-2.5°	3320.5	3941.6	4625.5	5343.9	6140.4	6955.5	7809.1	8700.4	9644.2	10582.7	11548.9
-5°	3300.6	3913.7	4587.0	5305.0	6082.7	6896.8	7733.1	8617.6	9561.1	10488.4	11446.9
-7.5°	3267.4	3870.9	4530.4	5245.0	6009.3	6818.4	7647.6	8524.0	9447.7	10369.5	11311.1
-10°	3221.8	3818.0	4468.9	5173.4	5925.0	6718.1	7534.6	8392.5	9292.6	10202.6	11124.0
-12.5°	3168.2	3754.5	4391.2	5080.6	5815.5	6589.9	7389.7	8224.0	9097.9	9988.5	10890.9
-15°	3102.3	3676.7	4295.3	4967.1	5681.5	6434.9	7213.6	8019.7	8870.6	9736.9	10613.9
-17.5°	3024.3	3584.7	4181.4	4833.4	5523.5	6254.1	7008.7	7792.5	8622.0	9454.0	10297.6
-20°	2934.7	3479.1	4049.9	4680.4	5344.7	6055.3	6787.9	7546.7	8340.9	9143.6	9939.7



REPORT NUMBER: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	2833.9	3360.2	3908.6	4516.6	5157.5	5837.7	6542.9	7267.6	8024.6	8806.3	9546.5
-25°	2729.1	3235.4	3763.4	4335.9	4948.4	5596.1	6273.3	6959.5	7684.0	8412.0	9127.2
-27.5°	2621.6	3099.5	3606.6	4139.8	4717.7	5335.9	5985.9	6643.6	7304.2	7984.5	8669.4
-30°	2504.9	2956.0	3437.6	3936.0	4483.7	5065.5	5677.6	6291.5	6904.2	7544.0	8186.2
-32.5°	2381.4	2804.8	3265.7	3738.8	4239.5	4773.5	5343.0	5922.6	6501.7	7083.2	7685.8
-35°	2258.1	2660.6	3088.2	3530.2	3984.7	4482.6	5002.5	5537.4	6081.2	6625.7	7176.2
-37.5°	2138.3	2507.7	2902.5	3318.8	3747.3	4185.1	4650.2	5151.2	5653.1	6156.6	6668.4
-40°	2010.4	2346.4	2721.9	3108.8	3490.6	3889.0	4317.3	4758.7	5221.5	5689.4	6153.4
-42.5°	1877.3	2197.1	2537.7	2888.8	3240.7	3600.1	3974.9	4382.5	4791.5	5217.0	5644.3
-45°	1757.2	2040.1	2349.0	2674.2	2990.5	3312.2	3653.0	4001.9	4376.2	4745.1	5134.0
-47.5°	1630.4	1882.0	2168.8	2456.3	2748.9	3039.4	3330.9	3646.5	3965.7	4301.2	4624.4
-50°	1505.1	1735.8	1978.6	2246.6	2514.3	2775.4	3037.0	3298.2	3579.1	3868.4	4160.6
-52.5°	1398.0	1582.9	1804.5	2035.0	2282.8	2526.4	2754.6	2981.3	3215.9	3451.7	3709.6
-55°	1286.9	1452.4	1629.5	1835.4	2050.0	2277.0	2484.6	2683.7	2877.7	3086.1	3284.2
-57.5°	1185.9	1323.3	1472.1	1640.0	1830.3	2022.3	2215.0	2393.4	2569.5	2741.2	2905.6
-60°	1090.5	1199.7	1323.7	1463.5	1614.0	1784.9	1949.0	2114.8	2270.3	2411.2	2556.6
-62.5°	992.5	1082.6	1180.7	1294.7	1423.6	1552.2	1696.2	1842.1	1983.9	2108.4	2223.4
-65°	886.1	961.1	1041.7	1133.3	1234.4	1342.9	1455.8	1572.3	1698.4	1804.0	1900.2
-67.5°	774.7	838.6	903.1	970.6	1052.4	1137.9	1222.4	1319.5	1418.9	1506.9	1585.5
-70°	646.4	712.7	767.5	821.0	875.7	939.5	1011.0	1081.4	1153.9	1233.1	1309.3
-72.5°	515.3	575.6	627.9	672.3	712.5	755.1	802.8	855.0	920.0	991.7	1057.1
-75°	392.5	439.8	486.7	527.6	556.2	577.4	597.2	629.0	690.5	762.4	824.9
-77.5°	276.2	319.2	356.7	388.5	405.7	420.9	433.2	442.7	489.7	551.3	612.4
-80°	174.1	199.6	233.6	263.6	276.7	283.4	286.5	286.1	322.6	371.4	422.6
-82.5°	97.8	117.9	137.1	155.4	160.2	160.3	158.7	159.2	188.1	221.3	255.3
-85°	31.4	36.0	50.1	63.6	70.1	74.1	75.9	75.6	88.0	102.3	117.7
-87.5°	15.7	18.1	20.5	23.0	23.2	23.2	23.1	22.7	23.7	24.6	25.5
-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: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	26.3	27.1	27.8	28.5	29.1	29.7	30.2	30.6	31.0	29.4	27.7
85°	134.3	143.8	152.6	161.1	169.1	176.8	184.0	190.7	196.9	179.8	161.0
82.5°	289.9	313.2	335.3	357.3	379.1	384.7	386.4	385.6	382.5	352.5	319.4
80°	473.3	512.6	549.8	586.6	623.0	627.0	622.9	615.4	604.8	565.5	520.9
77.5°	673.3	722.9	766.4	806.1	842.3	849.1	848.1	846.3	843.3	803.2	754.7
75°	878.5	927.0	973.8	1013.6	1046.7	1062.0	1069.5	1074.8	1077.7	1048.9	1011.2
72.5°	1116.3	1166.8	1208.1	1246.7	1279.4	1303.0	1320.0	1332.9	1341.6	1332.9	1317.4
70°	1374.4	1428.5	1474.1	1517.7	1562.0	1597.6	1624.4	1643.9	1656.2	1664.3	1670.0
67.5°	1665.0	1737.6	1801.1	1855.2	1908.8	1959.1	2000.4	2034.1	2060.2	2082.3	2099.3
65°	1992.4	2085.3	2167.6	2243.3	2312.6	2385.5	2445.3	2495.6	2535.9	2569.4	2596.2
62.5°	2336.6	2450.5	2556.2	2658.8	2759.3	2858.3	2934.4	3003.6	3065.1	3118.0	3160.1
60°	2694.2	2823.6	2965.6	3101.0	3225.7	3339.7	3452.8	3550.7	3634.5	3704.1	3760.2
57.5°	3078.8	3246.3	3412.2	3580.5	3739.5	3888.2	4027.5	4150.3	4254.1	4339.3	4410.8
55°	3494.1	3703.7	3896.1	4108.3	4313.4	4500.1	4664.4	4808.9	4933.8	5038.5	5127.4
52.5°	3950.7	4205.3	4455.3	4696.8	4929.6	5146.2	5343.0	5511.2	5660.9	5789.2	5891.5
50°	4450.4	4741.8	5031.5	5300.1	5567.6	5817.1	6042.7	6237.9	6412.1	6562.9	6681.5
47.5°	4973.0	5304.6	5628.1	5935.6	6231.6	6509.0	6753.3	6975.8	7193.0	7370.0	7510.1
45°	5515.6	5887.6	6244.5	6596.0	6922.1	7233.0	7534.3	7811.4	8034.3	8229.3	8393.2
42.5°	6064.8	6479.8	6879.4	7263.0	7621.5	7981.1	8320.1	8623.0	8877.1	9098.9	9285.1
40°	6621.2	7075.5	7515.8	7934.0	8343.9	8735.9	9102.6	9422.0	9708.6	9972.0	10191.5
37.5°	7174.8	7674.6	8162.4	8630.9	9082.1	9506.8	9903.0	10264.0	10587.4	10887.4	11131.2
35°	7730.8	8279.2	8813.2	9328.7	9821.6	10290.3	10724.1	11134.8	11516.0	11819.9	12069.2
32.5°	8284.7	8874.2	9455.4	10023.0	10562.5	11067.7	11537.7	11991.6	12383.7	12717.7	13004.4
30°	8820.7	9459.3	10092.2	10707.6	11290.3	11837.8	12358.2	12838.2	13259.8	13625.1	13946.6
27.5°	9346.6	10032.7	10711.8	11369.2	11999.2	12594.2	13162.1	13682.6	14142.7	14539.8	14878.8
25°	9843.6	10581.1	11305.0	12002.0	12675.0	13331.3	13944.5	14512.5	15003.9	15439.8	15788.2
22.5°	10318.5	11105.0	11865.6	12598.8	13318.8	14026.2	14697.5	15290.6	15811.4	16267.1	16652.6
20°	10761.0	11603.8	12381.9	13157.4	13915.8	14671.1	15391.9	16017.6	16568.7	17053.8	17478.7
17.5°	11174.6	12039.0	12858.3	13684.0	14483.3	15275.7	16007.9	16678.6	17273.2	17788.4	18233.4
15°	11524.7	12397.7	13292.5	14174.0	15016.9	15819.3	16550.8	17251.4	17911.6	18468.8	18920.0
12.5°	11808.2	12716.1	13649.6	14585.3	15476.7	16278.1	17044.0	17754.7	18448.1	19073.9	19488.8
10°	12049.8	12984.7	13948.4	14902.7	15806.0	16653.9	17486.7	18238.0	18919.4	19479.8	19943.1
7.5°	12258.7	13221.7	14200.5	15156.4	16056.6	16932.7	17790.0	18588.0	19275.8	19803.8	20217.1
5°	12412.8	13398.7	14396.3	15361.1	16273.9	17152.8	18013.9	18801.9	19473.4	20010.6	20461.2
2.5°	12523.0	13518.1	14522.9	15489.1	16422.2	17303.2	18185.9	18982.8	19633.0	20125.2	20556.7
0°	12593.6	13590.2	14602.8	15591.4	16507.6	17359.5	18307.8	19055.2	19730.3	20220.6	20670.6
-2.5°	12523.0	13518.1	14522.9	15489.1	16422.2	17303.2	18185.9	18982.8	19633.0	20125.2	20556.7
-5°	12412.8	13398.7	14396.3	15361.1	16273.9	17152.8	18013.9	18801.9	19473.4	20010.6	20461.2
-7.5°	12258.7	13221.7	14200.5	15156.4	16056.6	16932.7	17790.0	18588.0	19275.8	19803.8	20217.1
-10°	12049.8	12984.7	13948.4	14902.7	15806.0	16653.9	17486.7	18238.0	18919.4	19479.8	19943.1
-12.5°	11808.2	12716.1	13649.6	14585.3	15476.7	16278.1	17044.0	17754.7	18448.1	19073.9	19488.8
-15°	11524.7	12397.7	13292.5	14174.0	15016.9	15819.3	16550.8	17251.4	17911.6	18468.8	18920.0
-17.5°	11174.6	12039.0	12858.3	13684.0	14483.3	15275.7	16007.9	16678.6	17273.2	17788.4	18233.4
-20°	10761.0	11603.8	12381.9	13157.4	13915.8	14671.1	15391.9	16017.6	16568.7	17053.8	17478.7



REPORT NUMBER: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	10318.5	11105.0	11865.6	12598.8	13318.8	14026.2	14697.5	15290.6	15811.4	16267.1	16652.6
-25°	9843.6	10581.1	11305.0	12002.0	12675.0	13331.3	13944.5	14512.5	15003.9	15439.8	15788.2
-27.5°	9346.6	10032.7	10711.8	11369.2	11999.2	12594.2	13162.1	13682.6	14142.7	14539.8	14878.8
-30°	8820.7	9459.3	10092.2	10707.6	11290.3	11837.8	12358.2	12838.2	13259.8	13625.1	13946.6
-32.5°	8284.7	8874.2	9455.4	10023.0	10562.5	11067.7	11537.7	11991.6	12383.7	12717.7	13004.4
-35°	7730.8	8279.2	8813.2	9328.7	9821.6	10290.3	10724.1	11134.8	11516.0	11819.9	12069.2
-37.5°	7174.8	7674.6	8162.4	8630.9	9082.1	9506.8	9903.0	10264.0	10587.4	10887.4	11131.2
-40°	6621.2	7075.5	7515.8	7934.0	8343.9	8735.9	9102.6	9422.0	9708.6	9972.0	10191.5
-42.5°	6064.8	6479.8	6879.4	7263.0	7621.5	7981.1	8320.1	8623.0	8877.1	9098.9	9285.1
-45°	5515.6	5887.6	6244.5	6596.0	6922.1	7233.0	7534.3	7811.4	8034.3	8229.3	8393.2
-47.5°	4973.0	5304.6	5628.1	5935.6	6231.6	6509.0	6753.3	6975.8	7193.0	7370.0	7510.1
-50°	4450.4	4741.8	5031.5	5300.1	5567.6	5817.1	6042.7	6237.9	6412.1	6562.9	6681.5
-52.5°	3950.7	4205.3	4455.3	4696.8	4929.6	5146.2	5343.0	5511.2	5660.9	5789.2	5891.5
-55°	3494.1	3703.7	3896.1	4108.3	4313.4	4500.1	4664.4	4808.9	4933.8	5038.5	5127.4
-57.5°	3078.8	3246.3	3412.2	3580.5	3739.5	3888.2	4027.5	4150.3	4254.1	4339.3	4410.8
-60°	2694.2	2823.6	2965.6	3101.0	3225.7	3339.7	3452.8	3550.7	3634.5	3704.1	3760.2
-62.5°	2336.6	2450.5	2556.2	2658.8	2759.3	2858.3	2934.4	3003.6	3065.1	3118.0	3160.1
-65°	1992.4	2085.3	2167.6	2243.3	2312.6	2385.5	2445.3	2495.6	2535.9	2569.4	2596.2
-67.5°	1665.0	1737.6	1801.1	1855.2	1908.8	1959.1	2000.4	2034.1	2060.2	2082.3	2099.3
-70°	1374.4	1428.5	1474.1	1517.7	1562.0	1597.6	1624.4	1643.9	1656.2	1664.3	1670.0
-72.5°	1116.3	1166.8	1208.1	1246.7	1279.4	1303.0	1320.0	1332.9	1341.6	1332.9	1317.4
-75°	878.5	927.0	973.8	1013.6	1046.7	1062.0	1069.5	1074.8	1077.7	1048.9	1011.2
-77.5°	673.3	722.9	766.4	806.1	842.3	849.1	848.1	846.3	843.3	803.2	754.7
-80°	473.3	512.6	549.8	586.6	623.0	627.0	622.9	615.4	604.8	565.5	520.9
-82.5°	289.9	313.2	335.3	357.3	379.1	384.7	386.4	385.6	382.5	352.5	319.4
-85°	134.3	143.8	152.6	161.1	169.1	176.8	184.0	190.7	196.9	179.8	161.0
-87.5°	26.3	27.1	27.8	28.5	29.1	29.7	30.2	30.6	31.0	29.4	27.7
-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: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	25.9	24.0	24.1	24.1	24.1	24.0	25.9	27.7	29.4	31.0	30.6
85°	140.9	120.0	112.4	104.5	112.4	120.0	140.9	161.0	179.8	196.9	190.7
82.5°	284.5	248.3	236.8	225.0	236.8	248.3	284.5	319.4	352.5	382.5	385.6
80°	473.9	424.8	405.5	385.8	405.5	424.8	473.9	520.9	565.5	604.8	615.4
77.5°	703.4	649.5	626.4	602.8	626.4	649.5	703.4	754.7	803.2	843.3	846.3
75°	971.4	929.1	903.5	876.0	903.5	929.1	971.4	1011.2	1048.9	1077.7	1074.8
72.5°	1299.8	1279.1	1260.5	1237.7	1260.5	1279.1	1299.8	1317.4	1332.9	1341.6	1332.9
70°	1671.9	1669.3	1672.7	1671.7	1672.7	1669.3	1671.9	1670.0	1664.3	1656.2	1643.9
67.5°	2108.1	2108.7	2117.7	2121.7	2117.7	2108.7	2108.1	2099.3	2082.3	2060.2	2034.1
65°	2612.7	2618.9	2616.6	2603.9	2616.6	2618.9	2612.7	2596.2	2569.4	2535.9	2495.6
62.5°	3190.1	3207.4	3216.9	3214.7	3216.9	3207.4	3190.1	3160.1	3118.0	3065.1	3003.6
60°	3802.1	3829.3	3843.0	3841.6	3843.0	3829.3	3802.1	3760.2	3704.1	3634.5	3550.7
57.5°	4464.1	4498.9	4507.1	4492.6	4507.1	4498.9	4464.1	4410.8	4339.3	4254.1	4150.3
55°	5194.4	5239.0	5256.2	5248.0	5256.2	5239.0	5194.4	5127.4	5038.5	4933.8	4808.9
52.5°	5966.5	6014.7	6031.9	6019.6	6031.9	6014.7	5966.5	5891.5	5789.2	5660.9	5511.2
50°	6768.6	6827.0	6850.5	6839.3	6850.5	6827.0	6768.6	6681.5	6562.9	6412.1	6237.9
47.5°	7619.8	7697.6	7727.8	7707.3	7727.8	7697.6	7619.8	7510.1	7370.0	7193.0	6975.8
45°	8515.6	8596.3	8627.6	8607.4	8627.6	8596.3	8515.6	8393.2	8229.3	8034.3	7811.4
42.5°	9427.5	9532.2	9576.5	9539.7	9576.5	9532.2	9427.5	9285.1	9098.9	8877.1	8623.0
40°	10355.3	10469.0	10521.5	10496.0	10521.5	10469.0	10355.3	10191.5	9972.0	9708.6	9422.0
37.5°	11307.1	11420.2	11475.8	11476.5	11475.8	11420.2	11307.1	11131.2	10887.4	10587.4	10264.0
35°	12262.4	12399.3	12476.9	12473.1	12476.9	12399.3	12262.4	12069.2	11819.9	11516.0	11134.8
32.5°	13231.0	13379.3	13458.5	13469.7	13458.5	13379.3	13231.0	13004.4	12717.7	12383.7	11991.6
30°	14197.9	14361.0	14452.7	14490.3	14452.7	14361.0	14197.9	13946.6	13625.1	13259.8	12838.2
27.5°	15135.7	15336.4	15474.8	15486.9	15474.8	15336.4	15135.7	14878.8	14539.8	14142.7	13682.6
25°	16043.9	16248.2	16390.2	16419.2	16390.2	16248.2	16043.9	15788.2	15439.8	15003.9	14512.5
22.5°	16939.0	17152.6	17283.7	17335.3	17283.7	17152.6	16939.0	16652.6	16267.1	15811.4	15290.6
20°	17793.5	18025.0	18164.1	18219.4	18164.1	18025.0	17793.5	17478.7	17053.8	16568.7	16017.6
17.5°	18566.5	18811.2	18982.9	19031.1	18982.9	18811.2	18566.5	18233.4	17788.4	17273.2	16678.6
15°	19246.9	19478.9	19641.9	19706.2	19641.9	19478.9	19246.9	18920.0	18468.8	17911.6	17251.4
12.5°	19800.7	20008.2	20135.8	20196.4	20135.8	20008.2	19800.7	19488.8	19073.9	18448.1	17754.7
10°	20233.3	20441.5	20563.4	20646.5	20563.4	20441.5	20233.3	19943.1	19479.8	18919.4	18238.0
7.5°	20608.7	20822.0	20971.2	21088.5	20971.2	20822.0	20608.7	20217.1	19803.8	19275.8	18588.0
5°	20816.0	21172.2	21225.8	21305.5	21225.8	21172.2	20816.0	20461.2	20010.6	19473.4	18801.9
2.5°	20974.1	21226.7	21378.5	21361.8	21378.5	21226.7	20974.1	20556.7	20125.2	19633.0	18982.8
0°	21088.5	21313.6	21369.8	21442.1	21369.8	21313.6	21088.5	20670.6	20220.6	19730.3	19055.2
-2.5°	20974.1	21226.7	21378.5	21361.8	21378.5	21226.7	20974.1	20556.7	20125.2	19633.0	18982.8
-5°	20816.0	21172.2	21225.8	21305.5	21225.8	21172.2	20816.0	20461.2	20010.6	19473.4	18801.9
-7.5°	20608.7	20822.0	20971.2	21088.5	20971.2	20822.0	20608.7	20217.1	19803.8	19275.8	18588.0
-10°	20233.3	20441.5	20563.4	20646.5	20563.4	20441.5	20233.3	19943.1	19479.8	18919.4	18238.0
-12.5°	19800.7	20008.2	20135.8	20196.4	20135.8	20008.2	19800.7	19488.8	19073.9	18448.1	17754.7
-15°	19246.9	19478.9	19641.9	19706.2	19641.9	19478.9	19246.9	18920.0	18468.8	17911.6	17251.4
-17.5°	18566.5	18811.2	18982.9	19031.1	18982.9	18811.2	18566.5	18233.4	17788.4	17273.2	16678.6
-20°	17793.5	18025.0	18164.1	18219.4	18164.1	18025.0	17793.5	17478.7	17053.8	16568.7	16017.6



REPORT NUMBER: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	16939.0	17152.6	17283.7	17335.3	17283.7	17152.6	16939.0	16652.6	16267.1	15811.4	15290.6
-25°	16043.9	16248.2	16390.2	16419.2	16390.2	16248.2	16043.9	15788.2	15439.8	15003.9	14512.5
-27.5°	15135.7	15336.4	15474.8	15486.9	15474.8	15336.4	15135.7	14878.8	14539.8	14142.7	13682.6
-30°	14197.9	14361.0	14452.7	14490.3	14452.7	14361.0	14197.9	13946.6	13625.1	13259.8	12838.2
-32.5°	13231.0	13379.3	13458.5	13469.7	13458.5	13379.3	13231.0	13004.4	12717.7	12383.7	11991.6
-35°	12262.4	12399.3	12476.9	12473.1	12476.9	12399.3	12262.4	12069.2	11819.9	11516.0	11134.8
-37.5°	11307.1	11420.2	11475.8	11476.5	11475.8	11420.2	11307.1	11131.2	10887.4	10587.4	10264.0
-40°	10355.3	10469.0	10521.5	10496.0	10521.5	10469.0	10355.3	10191.5	9972.0	9708.6	9422.0
-42.5°	9427.5	9532.2	9576.5	9539.7	9576.5	9532.2	9427.5	9285.1	9098.9	8877.1	8623.0
-45°	8515.6	8596.3	8627.6	8607.4	8627.6	8596.3	8515.6	8393.2	8229.3	8034.3	7811.4
-47.5°	7619.8	7697.6	7727.8	7707.3	7727.8	7697.6	7619.8	7510.1	7370.0	7193.0	6975.8
-50°	6768.6	6827.0	6850.5	6839.3	6850.5	6827.0	6768.6	6681.5	6562.9	6412.1	6237.9
-52.5°	5966.5	6014.7	6031.9	6019.6	6031.9	6014.7	5966.5	5891.5	5789.2	5660.9	5511.2
-55°	5194.4	5239.0	5256.2	5248.0	5256.2	5239.0	5194.4	5127.4	5038.5	4933.8	4808.9
-57.5°	4464.1	4498.9	4507.1	4492.6	4507.1	4498.9	4464.1	4410.8	4339.3	4254.1	4150.3
-60°	3802.1	3829.3	3843.0	3841.6	3843.0	3829.3	3802.1	3760.2	3704.1	3634.5	3550.7
-62.5°	3190.1	3207.4	3216.9	3214.7	3216.9	3207.4	3190.1	3160.1	3118.0	3065.1	3003.6
-65°	2612.7	2618.9	2616.6	2603.9	2616.6	2618.9	2612.7	2596.2	2569.4	2535.9	2495.6
-67.5°	2108.1	2108.7	2117.7	2121.7	2117.7	2108.7	2108.1	2099.3	2082.3	2060.2	2034.1
-70°	1671.9	1669.3	1672.7	1671.7	1672.7	1669.3	1671.9	1670.0	1664.3	1656.2	1643.9
-72.5°	1299.8	1279.1	1260.5	1237.7	1260.5	1279.1	1299.8	1317.4	1332.9	1341.6	1332.9
-75°	971.4	929.1	903.5	876.0	903.5	929.1	971.4	1011.2	1048.9	1077.7	1074.8
-77.5°	703.4	649.5	626.4	602.8	626.4	649.5	703.4	754.7	803.2	843.3	846.3
-80°	473.9	424.8	405.5	385.8	405.5	424.8	473.9	520.9	565.5	604.8	615.4
-82.5°	284.5	248.3	236.8	225.0	236.8	248.3	284.5	319.4	352.5	382.5	385.6
-85°	140.9	120.0	112.4	104.5	112.4	120.0	140.9	161.0	179.8	196.9	190.7
-87.5°	25.9	24.0	24.1	24.1	24.1	24.0	25.9	27.7	29.4	31.0	30.6
-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: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	30.2	29.7	29.1	28.5	27.8	27.1	26.3	25.5	24.6	23.7	22.7
85°	184.0	176.8	169.1	161.1	152.6	143.8	134.3	117.7	102.3	88.0	75.6
82.5°	386.4	384.7	379.1	357.3	335.3	313.2	289.9	255.3	221.3	188.1	159.2
80°	622.9	627.0	623.0	586.6	549.8	512.6	473.3	422.6	371.4	322.6	286.1
77.5°	848.1	849.1	842.3	806.1	766.4	722.9	673.3	612.4	551.3	489.7	442.7
75°	1069.5	1062.0	1046.7	1013.6	973.8	927.0	878.5	824.9	762.4	690.5	629.0
72.5°	1320.0	1303.0	1279.4	1246.7	1208.1	1166.8	1116.3	1057.1	991.7	920.0	855.0
70°	1624.4	1597.6	1562.0	1517.7	1474.1	1428.5	1374.4	1309.3	1233.1	1153.9	1081.4
67.5°	2000.4	1959.1	1908.8	1855.2	1801.1	1737.6	1665.0	1585.5	1506.9	1418.9	1319.5
65°	2445.3	2385.5	2312.6	2243.3	2167.6	2085.3	1992.4	1900.2	1804.0	1698.4	1572.3
62.5°	2934.4	2858.3	2759.3	2658.8	2556.2	2450.5	2336.6	2223.4	2108.4	1983.9	1842.1
60°	3452.8	3339.7	3225.7	3101.0	2965.6	2823.6	2694.2	2556.6	2411.2	2270.3	2114.8
57.5°	4027.5	3888.2	3739.5	3580.5	3412.2	3246.3	3078.8	2905.6	2741.2	2569.5	2393.4
55°	4664.4	4500.1	4313.4	4108.3	3896.1	3703.7	3494.1	3284.2	3086.1	2877.7	2683.7
52.5°	5343.0	5146.2	4929.6	4696.8	4455.3	4205.3	3950.7	3709.6	3451.7	3215.9	2981.3
50°	6042.7	5817.1	5567.6	5300.1	5031.5	4741.8	4450.4	4160.6	3868.4	3579.1	3298.2
47.5°	6753.3	6509.0	6231.6	5935.6	5628.1	5304.6	4973.0	4624.4	4301.2	3965.7	3646.5
45°	7534.3	7233.0	6922.1	6596.0	6244.5	5887.6	5515.6	5134.0	4745.1	4376.2	4001.9
42.5°	8320.1	7981.1	7621.5	7263.0	6879.4	6479.8	6064.8	5644.3	5217.0	4791.5	4382.5
40°	9102.6	8735.9	8343.9	7934.0	7515.8	7075.5	6621.2	6153.4	5689.4	5221.5	4758.7
37.5°	9903.0	9506.8	9082.1	8630.9	8162.4	7674.6	7174.8	6668.4	6156.6	5653.1	5151.2
35°	10724.1	10290.3	9821.6	9328.7	8813.2	8279.2	7730.8	7176.2	6625.7	6081.2	5537.4
32.5°	11537.7	11067.7	10562.5	10023.0	9455.4	8874.2	8284.7	7685.8	7083.2	6501.7	5922.6
30°	12358.2	11837.8	11290.3	10707.6	10092.2	9459.3	8820.7	8186.2	7544.0	6904.2	6291.5
27.5°	13162.1	12594.2	11999.2	11369.2	10711.8	10032.7	9346.6	8669.4	7984.5	7304.2	6643.6
25°	13944.5	13331.3	12675.0	12002.0	11305.0	10581.1	9843.6	9127.2	8412.0	7684.0	6959.5
22.5°	14697.5	14026.2	13318.8	12598.8	11865.6	11105.0	10318.5	9546.5	8806.3	8024.6	7267.6
20°	15391.9	14671.1	13915.8	13157.4	12381.9	11603.8	10761.0	9939.7	9143.6	8340.9	7546.7
17.5°	16007.9	15275.7	14483.3	13684.0	12858.3	12039.0	11174.6	10297.6	9454.0	8622.0	7792.5
15°	16550.8	15819.3	15016.9	14174.0	13292.5	12397.7	11524.7	10613.9	9736.9	8870.6	8019.7
12.5°	17044.0	16278.1	15476.7	14585.3	13649.6	12716.1	11808.2	10890.9	9988.5	9097.9	8224.0
10°	17486.7	16653.9	15806.0	14902.7	13948.4	12984.7	12049.8	11124.0	10202.6	9292.6	8392.5
7.5°	17790.0	16932.7	16056.6	15156.4	14200.5	13221.7	12258.7	11311.1	10369.5	9447.7	8524.0
5°	18013.9	17152.8	16273.9	15361.1	14396.3	13398.7	12412.8	11446.9	10488.4	9561.1	8617.6
2.5°	18185.9	17303.2	16422.2	15489.1	14522.9	13518.1	12523.0	11548.9	10582.7	9644.2	8700.4
0°	18307.8	17359.5	16507.6	15591.4	14602.8	13590.2	12593.6	11613.2	10640.7	9684.3	8744.0
-2.5°	18185.9	17303.2	16422.2	15489.1	14522.9	13518.1	12523.0	11548.9	10582.7	9644.2	8700.4
-5°	18013.9	17152.8	16273.9	15361.1	14396.3	13398.7	12412.8	11446.9	10488.4	9561.1	8617.6
-7.5°	17790.0	16932.7	16056.6	15156.4	14200.5	13221.7	12258.7	11311.1	10369.5	9447.7	8524.0
-10°	17486.7	16653.9	15806.0	14902.7	13948.4	12984.7	12049.8	11124.0	10202.6	9292.6	8392.5
-12.5°	17044.0	16278.1	15476.7	14585.3	13649.6	12716.1	11808.2	10890.9	9988.5	9097.9	8224.0
-15°	16550.8	15819.3	15016.9	14174.0	13292.5	12397.7	11524.7	10613.9	9736.9	8870.6	8019.7
-17.5°	16007.9	15275.7	14483.3	13684.0	12858.3	12039.0	11174.6	10297.6	9454.0	8622.0	7792.5
-20°	15391.9	14671.1	13915.8	13157.4	12381.9	11603.8	10761.0	9939.7	9143.6	8340.9	7546.7



REPORT NUMBER: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6D-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°	14697.5	14026.2	13318.8	12598.8	11865.6	11105.0	10318.5	9546.5	8806.3	8024.6	7267.6
-25°	13944.5	13331.3	12675.0	12002.0	11305.0	10581.1	9843.6	9127.2	8412.0	7684.0	6959.5
-27.5°	13162.1	12594.2	11999.2	11369.2	10711.8	10032.7	9346.6	8669.4	7984.5	7304.2	6643.6
-30°	12358.2	11837.8	11290.3	10707.6	10092.2	9459.3	8820.7	8186.2	7544.0	6904.2	6291.5
-32.5°	11537.7	11067.7	10562.5	10023.0	9455.4	8874.2	8284.7	7685.8	7083.2	6501.7	5922.6
-35°	10724.1	10290.3	9821.6	9328.7	8813.2	8279.2	7730.8	7176.2	6625.7	6081.2	5537.4
-37.5°	9903.0	9506.8	9082.1	8630.9	8162.4	7674.6	7174.8	6668.4	6156.6	5653.1	5151.2
-40°	9102.6	8735.9	8343.9	7934.0	7515.8	7075.5	6621.2	6153.4	5689.4	5221.5	4758.7
-42.5°	8320.1	7981.1	7621.5	7263.0	6879.4	6479.8	6064.8	5644.3	5217.0	4791.5	4382.5
-45°	7534.3	7233.0	6922.1	6596.0	6244.5	5887.6	5515.6	5134.0	4745.1	4376.2	4001.9
-47.5°	6753.3	6509.0	6231.6	5935.6	5628.1	5304.6	4973.0	4624.4	4301.2	3965.7	3646.5
-50°	6042.7	5817.1	5567.6	5300.1	5031.5	4741.8	4450.4	4160.6	3868.4	3579.1	3298.2
-52.5°	5343.0	5146.2	4929.6	4696.8	4455.3	4205.3	3950.7	3709.6	3451.7	3215.9	2981.3
-55°	4664.4	4500.1	4313.4	4108.3	3896.1	3703.7	3494.1	3284.2	3086.1	2877.7	2683.7
-57.5°	4027.5	3888.2	3739.5	3580.5	3412.2	3246.3	3078.8	2905.6	2741.2	2569.5	2393.4
-60°	3452.8	3339.7	3225.7	3101.0	2965.6	2823.6	2694.2	2556.6	2411.2	2270.3	2114.8
-62.5°	2934.4	2858.3	2759.3	2658.8	2556.2	2450.5	2336.6	2223.4	2108.4	1983.9	1842.1
-65°	2445.3	2385.5	2312.6	2243.3	2167.6	2085.3	1992.4	1900.2	1804.0	1698.4	1572.3
-67.5°	2000.4	1959.1	1908.8	1855.2	1801.1	1737.6	1665.0	1585.5	1506.9	1418.9	1319.5
-70°	1624.4	1597.6	1562.0	1517.7	1474.1	1428.5	1374.4	1309.3	1233.1	1153.9	1081.4
-72.5°	1320.0	1303.0	1279.4	1246.7	1208.1	1166.8	1116.3	1057.1	991.7	920.0	855.0
-75°	1069.5	1062.0	1046.7	1013.6	973.8	927.0	878.5	824.9	762.4	690.5	629.0
-77.5°	848.1	849.1	842.3	806.1	766.4	722.9	673.3	612.4	551.3	489.7	442.7
-80°	622.9	627.0	623.0	586.6	549.8	512.6	473.3	422.6	371.4	322.6	286.1
-82.5°	386.4	384.7	379.1	357.3	335.3	313.2	289.9	255.3	221.3	188.1	159.2
-85°	184.0	176.8	169.1	161.1	152.6	143.8	134.3	117.7	102.3	88.0	75.6
-87.5°	30.2	29.7	29.1	28.5	27.8	27.1	26.3	25.5	24.6	23.7	22.7
-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: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-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°	23.1	23.2	23.2	23.0	20.5	18.1	15.7	13.6	12.3	11.0	9.6
85°	75.9	74.1	70.1	63.6	50.1	36.0	31.4	27.1	24.5	21.9	19.3
82.5°	158.7	160.3	160.2	155.4	137.1	117.9	97.8	76.9	56.9	36.2	28.9
80°	286.5	283.4	276.7	263.6	233.6	199.6	174.1	147.6	121.8	94.7	66.6
77.5°	433.2	420.9	405.7	388.5	356.7	319.2	276.2	227.4	186.3	153.0	118.4
75°	597.2	577.4	556.2	527.6	486.7	439.8	392.5	335.7	272.6	213.1	169.8
72.5°	802.8	755.1	712.5	672.3	627.9	575.6	515.3	442.0	365.4	292.9	225.0
70°	1011.0	939.5	875.7	821.0	767.5	712.7	646.4	556.2	456.4	371.2	291.3
67.5°	1222.4	1137.9	1052.4	970.6	903.1	838.6	774.7	669.7	555.4	447.7	355.9
65°	1455.8	1342.9	1234.4	1133.3	1041.7	961.1	886.1	776.0	651.4	530.3	418.8
62.5°	1696.2	1552.2	1423.6	1294.7	1180.7	1082.6	992.5	871.1	743.2	610.2	484.5
60°	1949.0	1784.9	1614.0	1463.5	1323.7	1199.7	1090.5	964.8	829.2	687.1	549.8
57.5°	2215.0	2022.3	1830.3	1640.0	1472.1	1323.3	1185.9	1053.7	913.6	762.9	610.6
55°	2484.6	2277.0	2050.0	1835.4	1629.5	1452.4	1286.9	1139.0	995.1	837.5	663.1
52.5°	2754.6	2526.4	2282.8	2035.0	1804.5	1582.9	1398.0	1222.1	1070.2	910.4	717.7
50°	3037.0	2775.4	2514.3	2246.6	1978.6	1735.8	1505.1	1317.4	1143.0	979.5	769.6
47.5°	3330.9	3039.4	2748.9	2456.3	2168.8	1882.0	1630.4	1410.7	1213.4	1042.2	817.8
45°	3653.0	3312.2	2990.5	2674.2	2349.0	2040.1	1757.2	1500.0	1293.2	1090.9	862.3
42.5°	3974.9	3600.1	3240.7	2888.8	2537.7	2197.1	1877.3	1605.1	1369.5	1137.5	903.2
40°	4317.3	3889.0	3490.6	3108.8	2721.9	2346.4	2010.4	1707.6	1441.0	1186.0	941.9
37.5°	4650.2	4185.1	3747.3	3318.8	2902.5	2507.7	2138.3	1803.6	1508.8	1240.4	978.6
35°	5002.5	4482.6	3984.7	3530.2	3088.2	2660.6	2258.1	1900.5	1586.9	1293.4	1013.2
32.5°	5343.0	4773.5	4239.5	3738.8	3265.7	2804.8	2381.4	2003.0	1662.0	1344.9	1045.5
30°	5677.6	5065.5	4483.7	3936.0	3437.6	2956.0	2504.9	2098.8	1733.8	1394.6	1077.9
27.5°	5985.9	5335.9	4717.7	4139.8	3606.6	3099.5	2621.6	2187.7	1801.9	1445.7	1115.5
25°	6273.3	5596.1	4948.4	4335.9	3763.4	3235.4	2729.1	2270.0	1871.3	1499.0	1150.4
22.5°	6542.9	5837.7	5157.5	4516.6	3908.6	3360.2	2833.9	2357.6	1936.9	1548.1	1182.4
20°	6787.9	6055.3	5344.7	4680.4	4049.9	3479.1	2934.7	2436.1	1995.5	1592.6	1211.2
17.5°	7008.7	6254.1	5523.5	4833.4	4181.4	3584.7	3024.3	2505.3	2047.0	1632.3	1236.5
15°	7213.6	6434.9	5681.5	4967.1	4295.3	3676.7	3102.3	2565.0	2091.1	1666.8	1260.7
12.5°	7389.7	6589.9	5815.5	5080.6	4391.2	3754.5	3168.2	2615.0	2127.8	1698.0	1283.4
10°	7534.6	6718.1	5925.0	5173.4	4468.9	3818.0	3221.8	2657.1	2162.1	1725.0	1300.9
7.5°	7647.6	6818.4	6009.3	5245.0	4530.4	3870.9	3267.4	2693.5	2189.8	1745.7	1313.1
5°	7733.1	6896.8	6082.7	5305.0	4587.0	3913.7	3300.6	2719.6	2209.9	1759.9	1320.1
2.5°	7809.1	6955.5	6140.4	5343.9	4625.5	3941.6	3320.5	2735.3	2222.1	1767.5	1321.7
0°	7851.9	6984.0	6172.3	5360.5	4645.3	3954.1	3327.2	2740.5	2226.2	1768.1	1318.0
-2.5°	7809.1	6955.5	6140.4	5343.9	4625.5	3941.6	3320.5	2735.3	2222.1	1767.5	1321.7
-5°	7733.1	6896.8	6082.7	5305.0	4587.0	3913.7	3300.6	2719.6	2209.9	1759.9	1320.1
-7.5°	7647.6	6818.4	6009.3	5245.0	4530.4	3870.9	3267.4	2693.5	2189.8	1745.7	1313.1
-10°	7534.6	6718.1	5925.0	5173.4	4468.9	3818.0	3221.8	2657.1	2162.1	1725.0	1300.9
-12.5°	7389.7	6589.9	5815.5	5080.6	4391.2	3754.5	3168.2	2615.0	2127.8	1698.0	1283.4
-15°	7213.6	6434.9	5681.5	4967.1	4295.3	3676.7	3102.3	2565.0	2091.1	1666.8	1260.7
-17.5°	7008.7	6254.1	5523.5	4833.4	4181.4	3584.7	3024.3	2505.3	2047.0	1632.3	1236.5
-20°	6787.9	6055.3	5344.7	4680.4	4049.9	3479.1	2934.7	2436.1	1995.5	1592.6	1211.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6542.9	5837.7	5157.5	4516.6	3908.6	3360.2	2833.9	2357.6	1936.9	1548.1	1182.4
-25°	6273.3	5596.1	4948.4	4335.9	3763.4	3235.4	2729.1	2270.0	1871.3	1499.0	1150.4
-27.5°	5985.9	5335.9	4717.7	4139.8	3606.6	3099.5	2621.6	2187.7	1801.9	1445.7	1115.5
-30°	5677.6	5065.5	4483.7	3936.0	3437.6	2956.0	2504.9	2098.8	1733.8	1394.6	1077.9
-32.5°	5343.0	4773.5	4239.5	3738.8	3265.7	2804.8	2381.4	2003.0	1662.0	1344.9	1045.5
-35°	5002.5	4482.6	3984.7	3530.2	3088.2	2660.6	2258.1	1900.5	1586.9	1293.4	1013.2
-37.5°	4650.2	4185.1	3747.3	3318.8	2902.5	2507.7	2138.3	1803.6	1508.8	1240.4	978.6
-40°	4317.3	3889.0	3490.6	3108.8	2721.9	2346.4	2010.4	1707.6	1441.0	1186.0	941.9
-42.5°	3974.9	3600.1	3240.7	2888.8	2537.7	2197.1	1877.3	1605.1	1369.5	1137.5	903.2
-45°	3653.0	3312.2	2990.5	2674.2	2349.0	2040.1	1757.2	1500.0	1293.2	1090.9	862.3
-47.5°	3330.9	3039.4	2748.9	2456.3	2168.8	1882.0	1630.4	1410.7	1213.4	1042.2	817.8
-50°	3037.0	2775.4	2514.3	2246.6	1978.6	1735.8	1505.1	1317.4	1143.0	979.5	769.6
-52.5°	2754.6	2526.4	2282.8	2035.0	1804.5	1582.9	1398.0	1222.1	1070.2	910.4	717.7
-55°	2484.6	2277.0	2050.0	1835.4	1629.5	1452.4	1286.9	1139.0	995.1	837.5	663.1
-57.5°	2215.0	2022.3	1830.3	1640.0	1472.1	1323.3	1185.9	1053.7	913.6	762.9	610.6
-60°	1949.0	1784.9	1614.0	1463.5	1323.7	1199.7	1090.5	964.8	829.2	687.1	549.8
-62.5°	1696.2	1552.2	1423.6	1294.7	1180.7	1082.6	992.5	871.1	743.2	610.2	484.5
-65°	1455.8	1342.9	1234.4	1133.3	1041.7	961.1	886.1	776.0	651.4	530.3	418.8
-67.5°	1222.4	1137.9	1052.4	970.6	903.1	838.6	774.7	669.7	555.4	447.7	355.9
-70°	1011.0	939.5	875.7	821.0	767.5	712.7	646.4	556.2	456.4	371.2	291.3
-72.5°	802.8	755.1	712.5	672.3	627.9	575.6	515.3	442.0	365.4	292.9	225.0
-75°	597.2	577.4	556.2	527.6	486.7	439.8	392.5	335.7	272.6	213.1	169.8
-77.5°	433.2	420.9	405.7	388.5	356.7	319.2	276.2	227.4	186.3	153.0	118.4
-80°	286.5	283.4	276.7	263.6	233.6	199.6	174.1	147.6	121.8	94.7	66.6
-82.5°	158.7	160.3	160.2	155.4	137.1	117.9	97.8	76.9	56.9	36.2	28.9
-85°	75.9	74.1	70.1	63.6	50.1	36.0	31.4	27.1	24.5	21.9	19.3
-87.5°	23.1	23.2	23.2	23.0	20.5	18.1	15.7	13.6	12.3	11.0	9.6
-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):

	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°	8.3	6.9	5.6	4.2	2.8	1.2	0.0
85°	16.6	13.9	11.1	8.4	5.6	2.4	0.0
82.5°	24.9	20.8	16.7	12.5	8.4	3.7	0.0
80°	37.4	27.7	22.2	16.7	11.1	4.9	0.0
77.5°	81.6	43.4	27.7	20.8	13.8	6.1	0.0
75°	124.7	75.1	36.0	24.9	16.5	7.2	0.0
72.5°	166.4	105.9	57.5	28.9	19.1	8.4	0.0
70°	208.2	135.7	78.2	34.6	21.6	9.5	0.0
67.5°	258.2	164.1	98.2	47.4	24.1	10.6	0.0
65°	306.1	196.0	117.2	59.8	26.5	11.7	0.0
62.5°	351.6	230.9	135.3	71.5	28.8	12.8	0.0
60°	394.4	263.9	152.2	82.7	31.0	13.8	0.0
57.5°	439.5	294.9	174.8	93.2	37.3	14.8	0.0
55°	482.3	323.7	196.3	102.9	43.4	15.7	0.0
52.5°	521.8	351.1	216.3	111.9	49.3	16.6	0.0
50°	558.1	380.2	234.8	120.2	54.9	17.5	0.0
47.5°	592.1	406.7	251.6	128.7	60.3	18.3	0.0
45°	629.9	430.7	266.7	139.9	65.4	19.0	0.0
42.5°	664.5	452.0	280.1	150.0	70.2	19.8	0.0
40°	696.0	470.6	293.5	160.4	74.7	20.4	0.0
37.5°	724.1	486.4	306.9	170.6	79.0	21.0	0.0
35°	748.9	504.8	318.3	180.1	82.9	21.6	0.0
32.5°	771.9	523.2	327.9	188.9	86.6	22.1	0.0
30°	795.8	538.9	335.6	196.9	89.9	22.6	0.0
27.5°	817.2	551.9	347.0	204.2	92.9	23.0	0.0
25°	836.1	562.2	357.8	210.7	95.6	23.4	0.0
22.5°	852.3	572.6	367.3	216.4	97.9	23.7	0.0
20°	865.6	586.8	375.5	221.4	100.0	23.9	0.0
17.5°	882.3	598.4	382.3	225.6	101.7	24.1	0.0
15°	899.7	607.5	387.9	229.0	103.0	24.3	0.0
12.5°	913.8	614.0	392.1	231.6	104.1	24.4	0.0
10°	924.5	618.1	395.0	233.4	104.8	24.4	0.0
7.5°	931.9	619.7	396.6	234.5	105.2	24.4	0.0
5°	935.6	619.0	397.0	234.8	105.3	24.4	0.0
2.5°	935.8	616.0	396.0	234.3	105.0	24.3	0.0
0°	932.3	610.8	393.8	233.1	104.5	24.1	0.0
-2.5°	935.8	616.0	396.0	234.3	105.0	24.3	0.0
-5°	935.6	619.0	397.0	234.8	105.3	24.4	0.0
-7.5°	931.9	619.7	396.6	234.5	105.2	24.4	0.0
-10°	924.5	618.1	395.0	233.4	104.8	24.4	0.0
-12.5°	913.8	614.0	392.1	231.6	104.1	24.4	0.0
-15°	899.7	607.5	387.9	229.0	103.0	24.3	0.0
-17.5°	882.3	598.4	382.3	225.6	101.7	24.1	0.0
-20°	865.6	586.8	375.5	221.4	100.0	23.9	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627921 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6D-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	852.3	572.6	367.3	216.4	97.9	23.7	0.0
-25°	836.1	562.2	357.8	210.7	95.6	23.4	0.0
-27.5°	817.2	551.9	347.0	204.2	92.9	23.0	0.0
-30°	795.8	538.9	335.6	196.9	89.9	22.6	0.0
-32.5°	771.9	523.2	327.9	188.9	86.6	22.1	0.0
-35°	748.9	504.8	318.3	180.1	82.9	21.6	0.0
-37.5°	724.1	486.4	306.9	170.6	79.0	21.0	0.0
-40°	696.0	470.6	293.5	160.4	74.7	20.4	0.0
-42.5°	664.5	452.0	280.1	150.0	70.2	19.8	0.0
-45°	629.9	430.7	266.7	139.9	65.4	19.0	0.0
-47.5°	592.1	406.7	251.6	128.7	60.3	18.3	0.0
-50°	558.1	380.2	234.8	120.2	54.9	17.5	0.0
-52.5°	521.8	351.1	216.3	111.9	49.3	16.6	0.0
-55°	482.3	323.7	196.3	102.9	43.4	15.7	0.0
-57.5°	439.5	294.9	174.8	93.2	37.3	14.8	0.0
-60°	394.4	263.9	152.2	82.7	31.0	13.8	0.0
-62.5°	351.6	230.9	135.3	71.5	28.8	12.8	0.0
-65°	306.1	196.0	117.2	59.8	26.5	11.7	0.0
-67.5°	258.2	164.1	98.2	47.4	24.1	10.6	0.0
-70°	208.2	135.7	78.2	34.6	21.6	9.5	0.0
-72.5°	166.4	105.9	57.5	28.9	19.1	8.4	0.0
-75°	124.7	75.1	36.0	24.9	16.5	7.2	0.0
-77.5°	81.6	43.4	27.7	20.8	13.8	6.1	0.0
-80°	37.4	27.7	22.2	16.7	11.1	4.9	0.0
-82.5°	24.9	20.8	16.7	12.5	8.4	3.7	0.0
-85°	16.6	13.9	11.1	8.4	5.6	2.4	0.0
-87.5°	8.3	6.9	5.6	4.2	2.8	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)