

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: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6C-722-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627851 (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-SA6C-722-U-VWR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N134
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

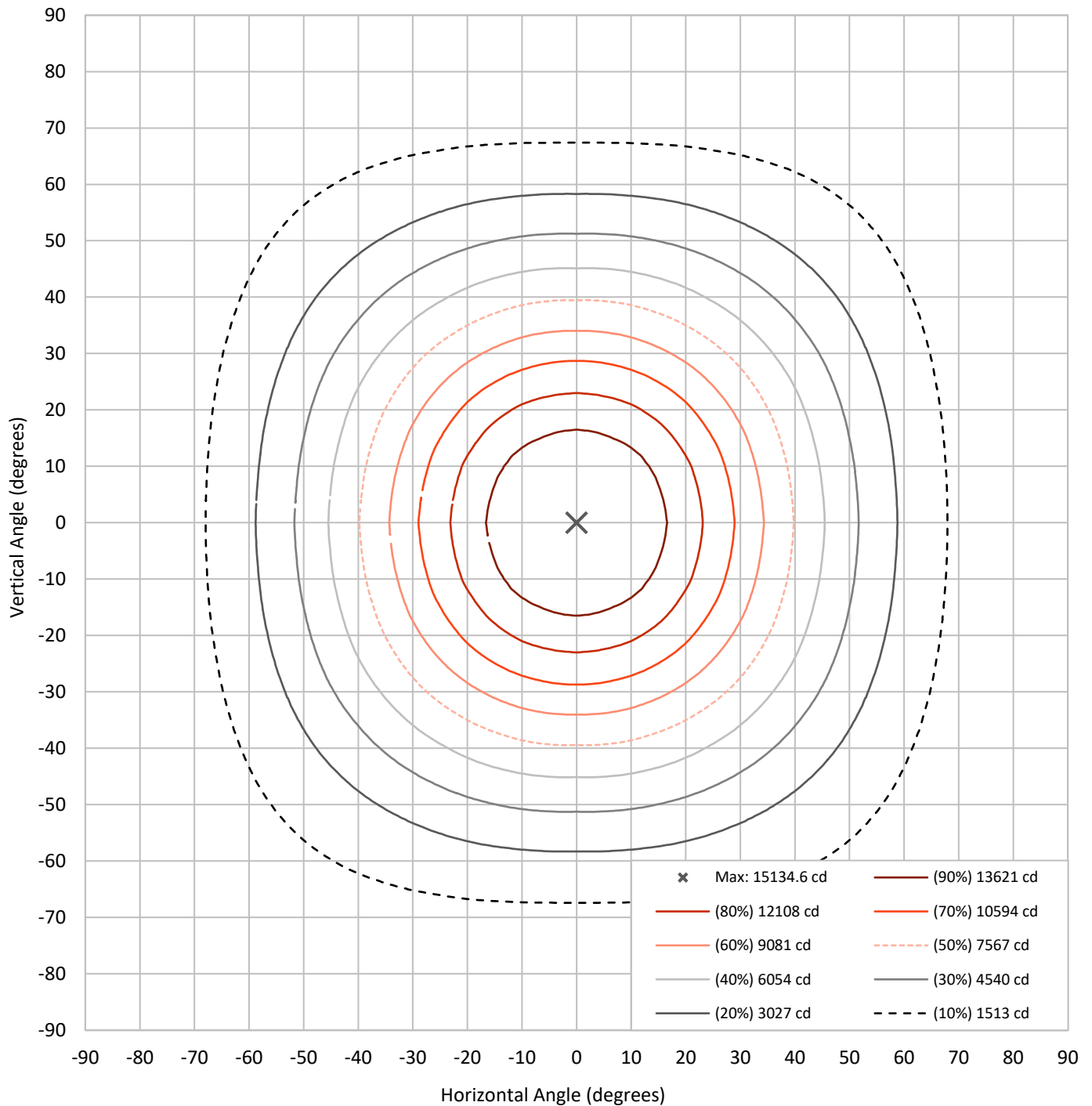
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	27354.4 lumens	Max Intensity:	15134.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.5 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:	16043.5 lumens	Field Lumens:	26077.7 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	247.5		
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





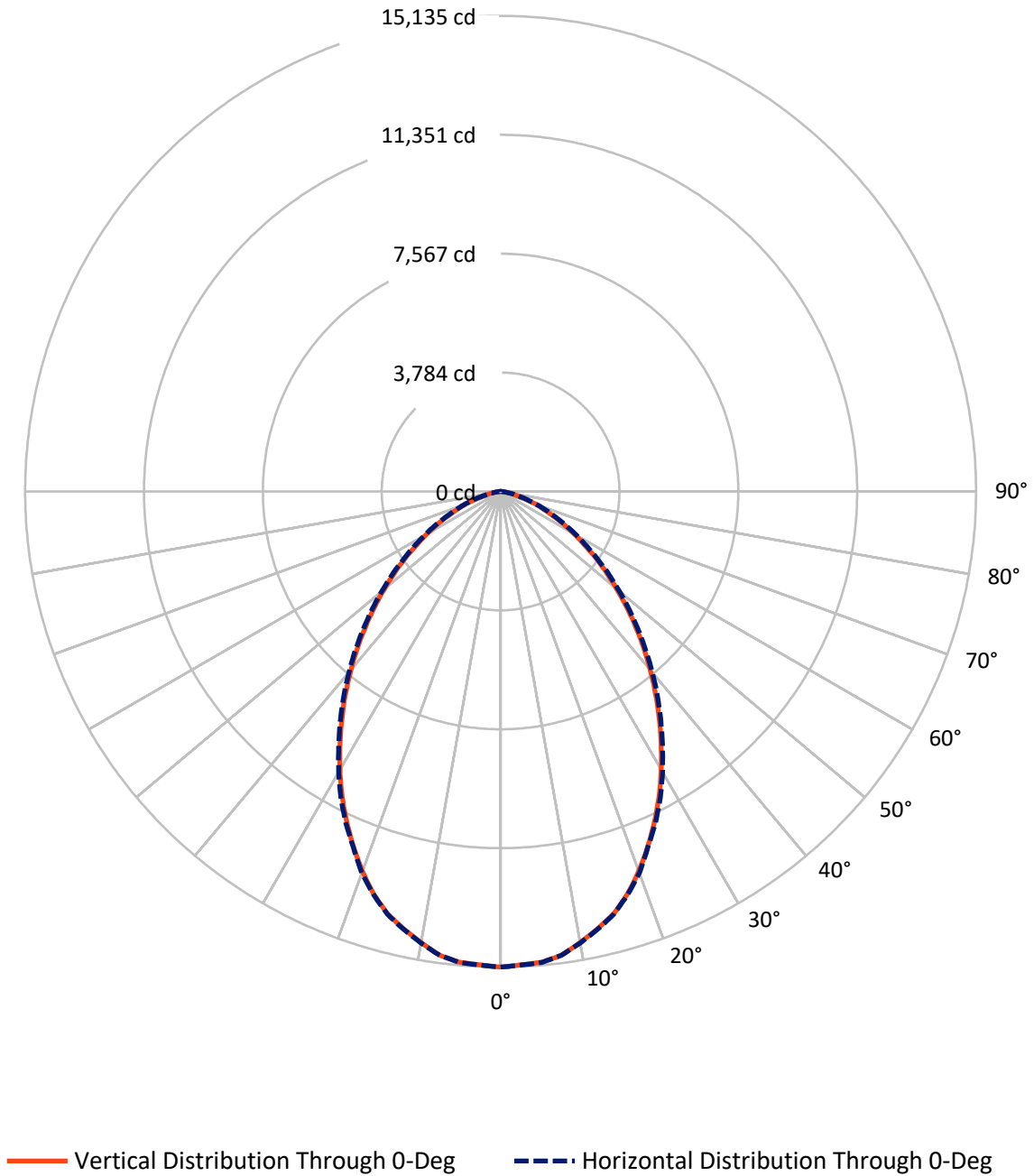
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Lumen Table

90																			
80	0.9	11.2	30.5	51.8	48.8	51.8	30.5	11.2	0.9										
70																			
60	5.1	7.0	14.2	24.1	35.3	45.6	53.3	57.1	57.1	53.3	45.6	35.3	24.1	14.2	7.0	5.1			
50																			
40	8.9	10.5	23.0	41.0	62.1	84.4	102.8	112.3	112.3	102.8	84.4	62.1	41.0	23.0	10.5	8.9			
30																			
20	11.5	14.1	33.3	61.4	97.3	134.9	166.4	183.6	183.6	166.4	134.9	97.3	61.4	33.3	14.1	11.5			
10																			
0	12.5	17.9	44.1	84.6	136.2	191.0	237.7	264.3	264.3	237.7	191.0	136.2	84.6	44.1	17.9	12.5			
-10																			
-20	11.5	21.4	54.2	106.3	173.4	246.2	309.6	346.1	346.1	309.6	246.2	173.4	106.3	54.2	21.4	11.5			
-30																			
-40	8.9	24.1	62.1	122.6	202.4	290.9	369.0	413.3	413.3	369.0	290.9	202.4	122.6	62.1	24.1	8.9			
-50																			
-60	5.1	25.6	66.4	131.8	218.6	315.7	401.1	447.7	447.7	401.1	315.7	218.6	131.8	66.4	25.6	5.1			
-70																			
-80	0.9	25.6	66.4	131.8	218.6	315.7	401.1	447.7	447.7	401.1	315.7	218.6	131.8	66.4	25.6	0.9			
-90																			

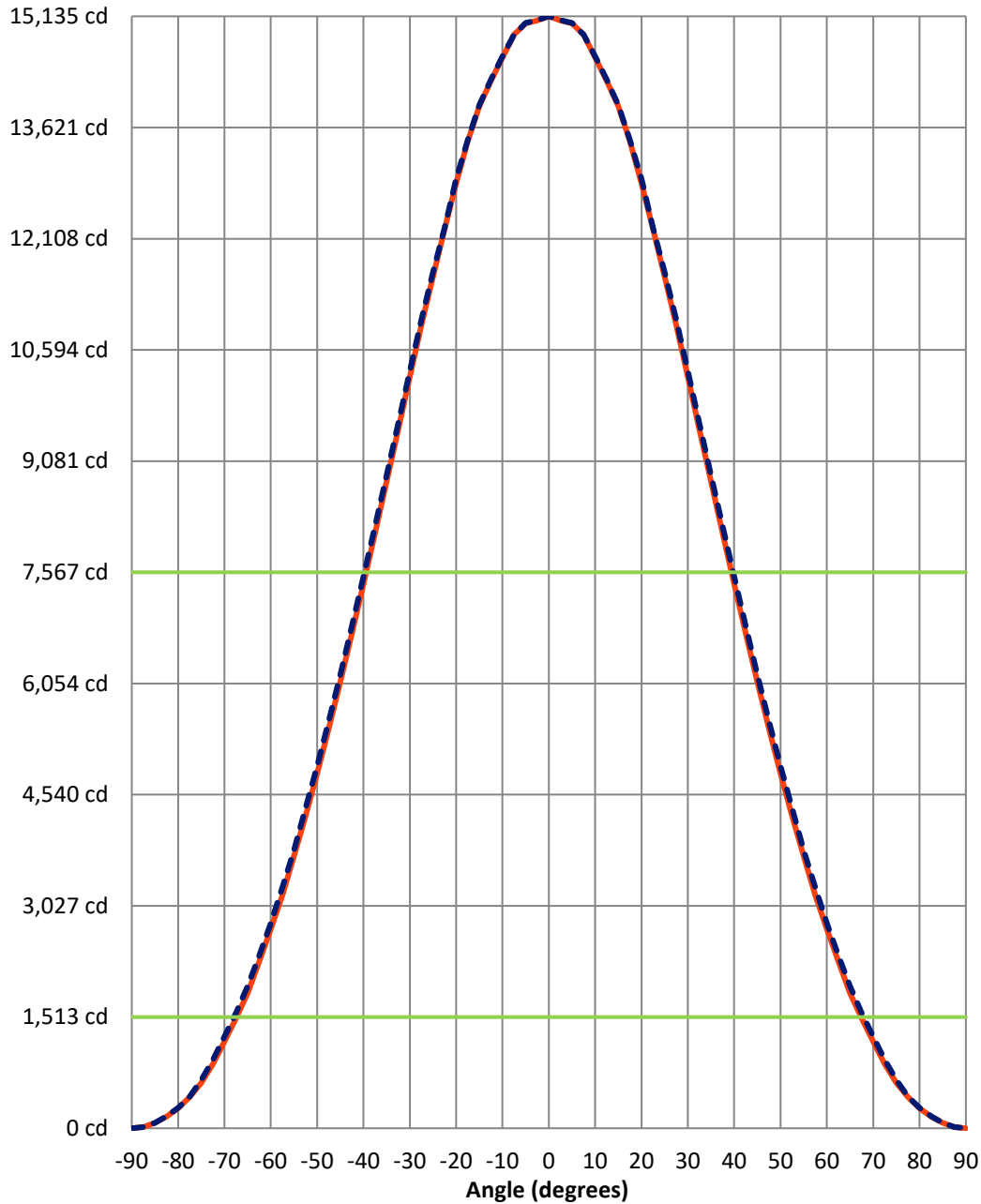
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 16043.5
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 26077.7
 Efficiency: 95.3%

Spill:
 Lumens: 1276.7
 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	0.9	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
85°	0.0	1.7	3.9	5.9	7.9	9.8	11.7	13.6	15.5	17.4	19.2
82.5°	0.0	2.6	5.9	8.9	11.8	14.7	17.6	20.4	25.6	40.2	54.3
80°	0.0	3.4	7.8	11.8	15.7	19.6	26.4	47.1	66.9	86.0	104.2
77.5°	0.0	4.3	9.8	14.7	19.6	30.7	57.6	83.6	108.0	131.5	160.5
75°	0.0	5.1	11.6	17.6	25.5	53.0	88.0	119.9	150.4	192.4	237.0
72.5°	0.0	5.9	13.5	20.4	40.6	74.8	117.5	158.8	206.8	257.9	312.0
70°	0.0	6.7	15.3	24.5	55.2	95.7	146.9	205.6	262.0	322.2	392.6
67.5°	0.0	7.5	17.0	33.5	69.3	115.8	182.3	251.2	316.0	392.0	472.7
65°	0.0	8.3	18.7	42.2	82.7	138.3	216.0	295.6	374.3	459.8	547.8
62.5°	0.0	9.0	20.4	50.5	95.5	162.9	248.1	342.0	430.7	524.6	614.9
60°	0.0	9.7	21.9	58.4	107.4	186.2	278.4	388.1	485.0	585.3	681.0
57.5°	0.0	10.4	26.3	65.8	123.4	208.1	310.2	431.0	538.5	644.8	743.8
55°	0.0	11.1	30.6	72.6	138.6	228.5	340.4	468.1	591.1	702.4	804.0
52.5°	0.0	11.7	34.8	79.0	152.7	247.8	368.3	506.6	642.5	755.3	862.6
50°	0.0	12.3	38.8	84.8	165.7	268.3	393.9	543.2	691.4	806.7	929.8
47.5°	0.0	12.9	42.5	90.9	177.5	287.1	417.9	577.2	735.6	856.5	995.7
45°	0.0	13.4	46.1	98.7	188.2	304.0	444.6	608.6	770.0	912.8	1058.7
42.5°	0.0	14.0	49.5	105.9	197.7	319.0	469.0	637.5	802.9	966.6	1133.0
40°	0.0	14.4	52.7	113.2	207.2	332.1	491.2	664.8	837.1	1017.1	1205.3
37.5°	0.0	14.9	55.7	120.4	216.6	343.3	511.1	690.7	875.5	1065.0	1273.1
35°	0.0	15.3	58.5	127.1	224.7	356.3	528.6	715.1	913.0	1120.1	1341.4
32.5°	0.0	15.6	61.1	133.3	231.4	369.3	544.8	738.0	949.3	1173.1	1413.8
30°	0.0	16.0	63.4	138.9	236.8	380.3	561.7	760.8	984.4	1223.8	1481.4
27.5°	0.0	16.2	65.5	144.1	244.9	389.5	576.8	787.4	1020.4	1271.9	1544.2
25°	0.0	16.5	67.4	148.7	252.5	396.8	590.1	812.0	1058.1	1320.8	1602.2
22.5°	0.0	16.7	69.1	152.7	259.2	404.1	601.5	834.6	1092.7	1367.1	1664.0
20°	0.0	16.9	70.5	156.2	265.0	414.1	611.0	854.9	1124.1	1408.5	1719.5
17.5°	0.0	17.0	71.7	159.2	269.9	422.4	622.7	872.8	1152.1	1444.8	1768.4
15°	0.0	17.1	72.7	161.6	273.8	428.7	635.0	889.9	1176.5	1476.0	1810.5
12.5°	0.0	17.2	73.4	163.4	276.8	433.4	644.9	905.9	1198.5	1501.8	1845.8
10°	0.0	17.2	73.9	164.7	278.8	436.2	652.5	918.2	1217.5	1526.1	1875.5
7.5°	0.0	17.2	74.2	165.5	280.0	437.4	657.7	926.9	1232.2	1545.6	1901.2
5°	0.0	17.2	74.3	165.7	280.2	436.9	660.4	931.8	1242.2	1559.8	1919.6
2.5°	0.0	17.1	74.1	165.4	279.6	434.7	660.5	932.9	1247.6	1568.4	1930.7
0°	0.0	17.0	73.7	164.5	278.0	431.1	658.0	930.3	1248.0	1571.3	1934.4
-2.5°	0.0	17.1	74.1	165.4	279.6	434.7	660.5	932.9	1247.6	1568.4	1930.7
-5°	0.0	17.2	74.3	165.7	280.2	436.9	660.4	931.8	1242.2	1559.8	1919.6
-7.5°	0.0	17.2	74.2	165.5	280.0	437.4	657.7	926.9	1232.2	1545.6	1901.2
-10°	0.0	17.2	73.9	164.7	278.8	436.2	652.5	918.2	1217.5	1526.1	1875.5
-12.5°	0.0	17.2	73.4	163.4	276.8	433.4	644.9	905.9	1198.5	1501.8	1845.8
-15°	0.0	17.1	72.7	161.6	273.8	428.7	635.0	889.9	1176.5	1476.0	1810.5
-17.5°	0.0	17.0	71.7	159.2	269.9	422.4	622.7	872.8	1152.1	1444.8	1768.4
-20°	0.0	16.9	70.5	156.2	265.0	414.1	611.0	854.9	1124.1	1408.5	1719.5

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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	16.7	69.1	152.7	259.2	404.1	601.5	834.6	1092.7	1367.1	1664.0
-25°	0.0	16.5	67.4	148.7	252.5	396.8	590.1	812.0	1058.1	1320.8	1602.2
-27.5°	0.0	16.2	65.5	144.1	244.9	389.5	576.8	787.4	1020.4	1271.9	1544.2
-30°	0.0	16.0	63.4	138.9	236.8	380.3	561.7	760.8	984.4	1223.8	1481.4
-32.5°	0.0	15.6	61.1	133.3	231.4	369.3	544.8	738.0	949.3	1173.1	1413.8
-35°	0.0	15.3	58.5	127.1	224.7	356.3	528.6	715.1	913.0	1120.1	1341.4
-37.5°	0.0	14.9	55.7	120.4	216.6	343.3	511.1	690.7	875.5	1065.0	1273.1
-40°	0.0	14.4	52.7	113.2	207.2	332.1	491.2	664.8	837.1	1017.1	1205.3
-42.5°	0.0	14.0	49.5	105.9	197.7	319.0	469.0	637.5	802.9	966.6	1133.0
-45°	0.0	13.4	46.1	98.7	188.2	304.0	444.6	608.6	770.0	912.8	1058.7
-47.5°	0.0	12.9	42.5	90.9	177.5	287.1	417.9	577.2	735.6	856.5	995.7
-50°	0.0	12.3	38.8	84.8	165.7	268.3	393.9	543.2	691.4	806.7	929.8
-52.5°	0.0	11.7	34.8	79.0	152.7	247.8	368.3	506.6	642.5	755.3	862.6
-55°	0.0	11.1	30.6	72.6	138.6	228.5	340.4	468.1	591.1	702.4	804.0
-57.5°	0.0	10.4	26.3	65.8	123.4	208.1	310.2	431.0	538.5	644.8	743.8
-60°	0.0	9.7	21.9	58.4	107.4	186.2	278.4	388.1	485.0	585.3	681.0
-62.5°	0.0	9.0	20.4	50.5	95.5	162.9	248.1	342.0	430.7	524.6	614.9
-65°	0.0	8.3	18.7	42.2	82.7	138.3	216.0	295.6	374.3	459.8	547.8
-67.5°	0.0	7.5	17.0	33.5	69.3	115.8	182.3	251.2	316.0	392.0	472.7
-70°	0.0	6.7	15.3	24.5	55.2	95.7	146.9	205.6	262.0	322.2	392.6
-72.5°	0.0	5.9	13.5	20.4	40.6	74.8	117.5	158.8	206.8	257.9	312.0
-75°	0.0	5.1	11.6	17.6	25.5	53.0	88.0	119.9	150.4	192.4	237.0
-77.5°	0.0	4.3	9.8	14.7	19.6	30.7	57.6	83.6	108.0	131.5	160.5
-80°	0.0	3.4	7.8	11.8	15.7	19.6	26.4	47.1	66.9	86.0	104.2
-82.5°	0.0	2.6	5.9	8.9	11.8	14.7	17.6	20.4	25.6	40.2	54.3
-85°	0.0	1.7	3.9	5.9	7.9	9.8	11.7	13.6	15.5	17.4	19.2
-87.5°	0.0	0.9	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	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):

	-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°	11.1	12.8	14.5	16.3	16.4	16.4	16.3	16.1	16.7	17.4	18.0
85°	22.2	25.5	35.4	44.9	49.5	52.4	53.6	53.4	62.1	72.2	83.1
82.5°	69.0	83.2	96.8	109.7	113.0	113.1	112.0	112.4	132.8	156.1	180.1
80°	122.9	140.9	164.9	186.1	195.3	200.1	202.2	201.9	227.7	262.1	298.3
77.5°	195.0	225.3	251.8	274.3	286.4	297.1	305.8	312.4	345.6	389.1	432.3
75°	277.1	310.4	343.5	372.4	392.6	407.5	421.5	443.9	487.4	538.1	582.2
72.5°	363.7	406.3	443.2	474.5	502.8	532.9	566.6	603.5	649.3	700.0	746.2
70°	456.3	503.0	541.7	579.4	618.0	663.1	713.6	763.3	814.5	870.4	924.2
67.5°	546.8	591.9	637.5	685.1	742.8	803.2	862.9	931.4	1001.5	1063.6	1119.1
65°	625.5	678.4	735.3	799.9	871.3	947.9	1027.6	1109.8	1198.8	1273.3	1341.2
62.5°	700.6	764.2	833.4	913.9	1004.9	1095.6	1197.3	1300.2	1400.3	1488.1	1569.3
60°	769.8	846.8	934.3	1033.0	1139.3	1259.8	1375.6	1492.7	1602.5	1701.9	1804.6
57.5°	837.1	934.0	1039.0	1157.5	1291.9	1427.3	1563.4	1689.4	1813.6	1934.8	2050.9
55°	908.3	1025.2	1150.1	1295.5	1446.9	1607.1	1753.7	1894.2	2031.2	2178.3	2318.1
52.5°	986.7	1117.3	1273.6	1436.4	1611.3	1783.3	1944.3	2104.3	2269.8	2436.3	2618.3
50°	1062.4	1225.1	1396.5	1585.7	1774.7	1959.0	2143.6	2327.9	2526.3	2730.4	2936.7
47.5°	1150.8	1328.4	1530.8	1733.8	1940.3	2145.3	2351.0	2573.8	2799.1	3035.9	3264.1
45°	1240.3	1439.9	1658.1	1887.6	2110.8	2337.8	2578.4	2824.7	3088.9	3349.3	3623.7
42.5°	1325.1	1550.8	1791.2	2039.1	2287.4	2541.0	2805.6	3093.3	3382.0	3682.3	3983.9
40°	1419.0	1656.2	1921.3	2194.3	2463.7	2744.9	3047.3	3358.9	3685.5	4015.7	4343.3
37.5°	1509.3	1770.0	2048.7	2342.5	2644.9	2954.0	3282.3	3635.9	3990.1	4345.5	4706.7
35°	1593.8	1878.0	2179.8	2491.7	2812.4	3164.0	3531.0	3908.5	4292.3	4676.6	5065.2
32.5°	1680.9	1979.7	2305.0	2638.9	2992.3	3369.3	3771.2	4180.3	4589.1	4999.6	5424.8
30°	1768.1	2086.5	2426.4	2778.1	3164.7	3575.4	4007.4	4440.7	4873.2	5324.8	5778.1
27.5°	1850.4	2187.7	2545.6	2922.0	3329.9	3766.3	4225.1	4689.2	5155.5	5635.7	6119.1
25°	1926.3	2283.6	2656.3	3060.4	3492.7	3949.9	4427.9	4912.3	5423.6	5937.4	6442.2
22.5°	2000.3	2371.7	2758.8	3187.9	3640.3	4120.4	4618.2	5129.7	5663.9	6215.8	6738.2
20°	2071.5	2455.7	2858.5	3303.5	3772.5	4274.0	4791.1	5326.7	5887.3	6453.8	7015.8
17.5°	2134.7	2530.2	2951.4	3411.6	3898.7	4414.3	4947.0	5500.1	6085.7	6672.9	7268.4
15°	2189.7	2595.1	3031.8	3505.9	4010.2	4541.9	5091.6	5660.5	6261.1	6872.6	7491.6
12.5°	2236.3	2650.1	3099.5	3586.0	4104.8	4651.4	5215.9	5804.8	6421.6	7050.2	7687.2
10°	2274.1	2694.9	3154.3	3651.6	4182.0	4741.8	5318.2	5923.7	6559.0	7201.3	7851.6
7.5°	2306.3	2732.3	3197.7	3702.1	4241.6	4812.6	5397.8	6016.5	6668.4	7319.1	7983.7
5°	2329.7	2762.5	3237.7	3744.4	4293.4	4867.9	5458.2	6082.6	6748.5	7403.0	8079.5
2.5°	2343.8	2782.1	3264.8	3771.9	4334.1	4909.4	5511.9	6141.0	6807.2	7469.6	8151.6
0°	2348.5	2790.9	3278.8	3783.6	4356.6	4929.5	5542.2	6171.8	6835.5	7510.6	8196.9
-2.5°	2343.8	2782.1	3264.8	3771.9	4334.1	4909.4	5511.9	6141.0	6807.2	7469.6	8151.6
-5°	2329.7	2762.5	3237.7	3744.4	4293.4	4867.9	5458.2	6082.6	6748.5	7403.0	8079.5
-7.5°	2306.3	2732.3	3197.7	3702.1	4241.6	4812.6	5397.8	6016.5	6668.4	7319.1	7983.7
-10°	2274.1	2694.9	3154.3	3651.6	4182.0	4741.8	5318.2	5923.7	6559.0	7201.3	7851.6
-12.5°	2236.3	2650.1	3099.5	3586.0	4104.8	4651.4	5215.9	5804.8	6421.6	7050.2	7687.2
-15°	2189.7	2595.1	3031.8	3505.9	4010.2	4541.9	5091.6	5660.5	6261.1	6872.6	7491.6
-17.5°	2134.7	2530.2	2951.4	3411.6	3898.7	4414.3	4947.0	5500.1	6085.7	6672.9	7268.4
-20°	2071.5	2455.7	2858.5	3303.5	3772.5	4274.0	4791.1	5326.7	5887.3	6453.8	7015.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-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°	2000.3	2371.7	2758.8	3187.9	3640.3	4120.4	4618.2	5129.7	5663.9	6215.8	6738.2
-25°	1926.3	2283.6	2656.3	3060.4	3492.7	3949.9	4427.9	4912.3	5423.6	5937.4	6442.2
-27.5°	1850.4	2187.7	2545.6	2922.0	3329.9	3766.3	4225.1	4689.2	5155.5	5635.7	6119.1
-30°	1768.1	2086.5	2426.4	2778.1	3164.7	3575.4	4007.4	4440.7	4873.2	5324.8	5778.1
-32.5°	1680.9	1979.7	2305.0	2638.9	2992.3	3369.3	3771.2	4180.3	4589.1	4999.6	5424.8
-35°	1593.8	1878.0	2179.8	2491.7	2812.4	3164.0	3531.0	3908.5	4292.3	4676.6	5065.2
-37.5°	1509.3	1770.0	2048.7	2342.5	2644.9	2954.0	3282.3	3635.9	3990.1	4345.5	4706.7
-40°	1419.0	1656.2	1921.3	2194.3	2463.7	2744.9	3047.3	3358.9	3685.5	4015.7	4343.3
-42.5°	1325.1	1550.8	1791.2	2039.1	2287.4	2541.0	2805.6	3093.3	3382.0	3682.3	3983.9
-45°	1240.3	1439.9	1658.1	1887.6	2110.8	2337.8	2578.4	2824.7	3088.9	3349.3	3623.7
-47.5°	1150.8	1328.4	1530.8	1733.8	1940.3	2145.3	2351.0	2573.8	2799.1	3035.9	3264.1
-50°	1062.4	1225.1	1396.5	1585.7	1774.7	1959.0	2143.6	2327.9	2526.3	2730.4	2936.7
-52.5°	986.7	1117.3	1273.6	1436.4	1611.3	1783.3	1944.3	2104.3	2269.8	2436.3	2618.3
-55°	908.3	1025.2	1150.1	1295.5	1446.9	1607.1	1753.7	1894.2	2031.2	2178.3	2318.1
-57.5°	837.1	934.0	1039.0	1157.5	1291.9	1427.3	1563.4	1689.4	1813.6	1934.8	2050.9
-60°	769.8	846.8	934.3	1033.0	1139.3	1259.8	1375.6	1492.7	1602.5	1701.9	1804.6
-62.5°	700.6	764.2	833.4	913.9	1004.9	1095.6	1197.3	1300.2	1400.3	1488.1	1569.3
-65°	625.5	678.4	735.3	799.9	871.3	947.9	1027.6	1109.8	1198.8	1273.3	1341.2
-67.5°	546.8	591.9	637.5	685.1	742.8	803.2	862.9	931.4	1001.5	1063.6	1119.1
-70°	456.3	503.0	541.7	579.4	618.0	663.1	713.6	763.3	814.5	870.4	924.2
-72.5°	363.7	406.3	443.2	474.5	502.8	532.9	566.6	603.5	649.3	700.0	746.2
-75°	277.1	310.4	343.5	372.4	392.6	407.5	421.5	443.9	487.4	538.1	582.2
-77.5°	195.0	225.3	251.8	274.3	286.4	297.1	305.8	312.4	345.6	389.1	432.3
-80°	122.9	140.9	164.9	186.1	195.3	200.1	202.2	201.9	227.7	262.1	298.3
-82.5°	69.0	83.2	96.8	109.7	113.0	113.1	112.0	112.4	132.8	156.1	180.1
-85°	22.2	25.5	35.4	44.9	49.5	52.4	53.6	53.4	62.1	72.2	83.1
-87.5°	11.1	12.8	14.5	16.3	16.4	16.4	16.3	16.1	16.7	17.4	18.0
-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: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-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°	18.6	19.1	19.7	20.1	20.6	21.0	21.3	21.6	21.9	20.8	19.6
85°	94.7	101.4	107.7	113.7	119.4	124.8	129.9	134.6	138.9	126.9	113.6
82.5°	204.6	221.0	236.6	252.2	267.6	271.5	272.7	272.1	270.0	248.8	225.4
80°	334.0	361.9	388.1	414.1	439.7	442.6	439.7	434.4	426.9	399.1	367.7
77.5°	475.3	510.3	541.0	569.0	594.6	599.4	598.7	597.4	595.3	567.0	532.7
75°	620.1	654.3	687.3	715.4	738.9	749.6	754.9	758.6	760.7	740.3	713.7
72.5°	787.9	823.6	852.7	880.0	903.0	919.7	931.7	940.8	947.0	940.8	929.9
70°	970.1	1008.3	1040.5	1071.2	1102.5	1127.6	1146.6	1160.3	1169.1	1174.8	1178.8
67.5°	1175.2	1226.5	1271.2	1309.4	1347.3	1382.8	1411.9	1435.8	1454.1	1469.8	1481.8
65°	1406.3	1471.8	1530.0	1583.4	1632.3	1683.8	1726.0	1761.4	1790.0	1813.5	1832.5
62.5°	1649.2	1729.6	1804.2	1876.7	1947.6	2017.5	2071.2	2120.0	2163.5	2200.8	2230.5
60°	1901.7	1993.0	2093.2	2188.8	2276.8	2357.2	2437.0	2506.2	2565.4	2614.5	2654.1
57.5°	2173.1	2291.4	2408.5	2527.2	2639.4	2744.5	2842.7	2929.4	3002.7	3062.8	3113.3
55°	2466.3	2614.2	2750.0	2899.8	3044.5	3176.3	3292.3	3394.3	3482.5	3556.4	3619.1
52.5°	2788.5	2968.3	3144.7	3315.2	3479.5	3632.3	3771.3	3890.0	3995.7	4086.2	4158.5
50°	3141.2	3346.9	3551.3	3740.9	3929.8	4106.0	4265.2	4403.0	4525.9	4632.3	4716.0
47.5°	3510.1	3744.1	3972.5	4189.6	4398.5	4594.3	4766.8	4923.8	5077.1	5202.0	5300.9
45°	3893.0	4155.7	4407.6	4655.7	4885.8	5105.3	5318.0	5513.6	5670.9	5808.6	5924.2
42.5°	4280.7	4573.7	4855.7	5126.4	5379.5	5633.3	5872.6	6086.4	6265.7	6422.3	6553.7
40°	4673.5	4994.1	5304.9	5600.1	5889.3	6166.0	6424.9	6650.3	6852.6	7038.6	7193.5
37.5°	5064.2	5417.0	5761.3	6091.9	6410.4	6710.2	6989.9	7244.7	7473.0	7684.7	7856.7
35°	5456.6	5843.7	6220.6	6584.5	6932.4	7263.2	7569.4	7859.4	8128.3	8342.9	8518.8
32.5°	5847.6	6263.7	6673.9	7074.5	7455.3	7812.0	8143.7	8464.1	8740.7	8976.5	9178.9
30°	6225.9	6676.7	7123.4	7557.8	7969.1	8355.6	8722.9	9061.6	9359.2	9617.1	9844.0
27.5°	6597.1	7081.4	7560.7	8024.7	8469.5	8889.4	9290.3	9657.7	9982.4	10262.7	10501.9
25°	6947.9	7468.5	7979.4	8471.4	8946.4	9409.7	9842.5	10243.4	10590.3	10898.0	11143.8
22.5°	7283.2	7838.3	8375.1	8892.6	9400.8	9900.1	10374.0	10792.6	11160.2	11481.9	11754.0
20°	7595.4	8190.3	8739.5	9286.9	9822.2	10355.3	10864.1	11305.7	11694.7	12037.1	12337.1
17.5°	7887.4	8497.5	9075.8	9658.6	10222.7	10782.0	11298.9	11772.3	12191.9	12555.6	12869.8
15°	8134.5	8750.7	9382.3	10004.5	10599.4	11165.8	11682.1	12176.5	12642.6	13035.9	13354.3
12.5°	8334.6	8975.4	9634.3	10294.9	10924.0	11489.6	12030.2	12531.8	13021.2	13463.0	13755.8
10°	8505.1	9165.0	9845.3	10518.8	11156.4	11754.9	12342.6	12873.0	13353.9	13749.5	14076.5
7.5°	8652.6	9332.3	10023.2	10697.9	11333.3	11951.6	12556.7	13120.0	13605.5	13978.2	14269.9
5°	8761.3	9457.2	10161.4	10842.3	11486.6	12107.0	12714.8	13271.0	13744.9	14124.1	14442.2
2.5°	8839.2	9541.6	10250.8	10932.7	11591.3	12213.2	12836.2	13398.6	13857.6	14205.0	14509.6
0°	8889.0	9592.4	10307.2	11004.9	11651.6	12252.9	12922.2	13449.8	13926.3	14272.3	14590.0
-2.5°	8839.2	9541.6	10250.8	10932.7	11591.3	12213.2	12836.2	13398.6	13857.6	14205.0	14509.6
-5°	8761.3	9457.2	10161.4	10842.3	11486.6	12107.0	12714.8	13271.0	13744.9	14124.1	14442.2
-7.5°	8652.6	9332.3	10023.2	10697.9	11333.3	11951.6	12556.7	13120.0	13605.5	13978.2	14269.9
-10°	8505.1	9165.0	9845.3	10518.8	11156.4	11754.9	12342.6	12873.0	13353.9	13749.5	14076.5
-12.5°	8334.6	8975.4	9634.3	10294.9	10924.0	11489.6	12030.2	12531.8	13021.2	13463.0	13755.8
-15°	8134.5	8750.7	9382.3	10004.5	10599.4	11165.8	11682.1	12176.5	12642.6	13035.9	13354.3
-17.5°	7887.4	8497.5	9075.8	9658.6	10222.7	10782.0	11298.9	11772.3	12191.9	12555.6	12869.8
-20°	7595.4	8190.3	8739.5	9286.9	9822.2	10355.3	10864.1	11305.7	11694.7	12037.1	12337.1



REPORT NUMBER: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6C-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°	7283.2	7838.3	8375.1	8892.6	9400.8	9900.1	10374.0	10792.6	11160.2	11481.9	11754.0
-25°	6947.9	7468.5	7979.4	8471.4	8946.4	9409.7	9842.5	10243.4	10590.3	10898.0	11143.8
-27.5°	6597.1	7081.4	7560.7	8024.7	8469.5	8889.4	9290.3	9657.7	9982.4	10262.7	10501.9
-30°	6225.9	6676.7	7123.4	7557.8	7969.1	8355.6	8722.9	9061.6	9359.2	9617.1	9844.0
-32.5°	5847.6	6263.7	6673.9	7074.5	7455.3	7812.0	8143.7	8464.1	8740.7	8976.5	9178.9
-35°	5456.6	5843.7	6220.6	6584.5	6932.4	7263.2	7569.4	7859.4	8128.3	8342.9	8518.8
-37.5°	5064.2	5417.0	5761.3	6091.9	6410.4	6710.2	6989.9	7244.7	7473.0	7684.7	7856.7
-40°	4673.5	4994.1	5304.9	5600.1	5889.3	6166.0	6424.9	6650.3	6852.6	7038.6	7193.5
-42.5°	4280.7	4573.7	4855.7	5126.4	5379.5	5633.3	5872.6	6086.4	6265.7	6422.3	6553.7
-45°	3893.0	4155.7	4407.6	4655.7	4885.8	5105.3	5318.0	5513.6	5670.9	5808.6	5924.2
-47.5°	3510.1	3744.1	3972.5	4189.6	4398.5	4594.3	4766.8	4923.8	5077.1	5202.0	5300.9
-50°	3141.2	3346.9	3551.3	3740.9	3929.8	4106.0	4265.2	4403.0	4525.9	4632.3	4716.0
-52.5°	2788.5	2968.3	3144.7	3315.2	3479.5	3632.3	3771.3	3890.0	3995.7	4086.2	4158.5
-55°	2466.3	2614.2	2750.0	2899.8	3044.5	3176.3	3292.3	3394.3	3482.5	3556.4	3619.1
-57.5°	2173.1	2291.4	2408.5	2527.2	2639.4	2744.5	2842.7	2929.4	3002.7	3062.8	3113.3
-60°	1901.7	1993.0	2093.2	2188.8	2276.8	2357.2	2437.0	2506.2	2565.4	2614.5	2654.1
-62.5°	1649.2	1729.6	1804.2	1876.7	1947.6	2017.5	2071.2	2120.0	2163.5	2200.8	2230.5
-65°	1406.3	1471.8	1530.0	1583.4	1632.3	1683.8	1726.0	1761.4	1790.0	1813.5	1832.5
-67.5°	1175.2	1226.5	1271.2	1309.4	1347.3	1382.8	1411.9	1435.8	1454.1	1469.8	1481.8
-70°	970.1	1008.3	1040.5	1071.2	1102.5	1127.6	1146.6	1160.3	1169.1	1174.8	1178.8
-72.5°	787.9	823.6	852.7	880.0	903.0	919.7	931.7	940.8	947.0	940.8	929.9
-75°	620.1	654.3	687.3	715.4	738.9	749.6	754.9	758.6	760.7	740.3	713.7
-77.5°	475.3	510.3	541.0	569.0	594.6	599.4	598.7	597.4	595.3	567.0	532.7
-80°	334.0	361.9	388.1	414.1	439.7	442.6	439.7	434.4	426.9	399.1	367.7
-82.5°	204.6	221.0	236.6	252.2	267.6	271.5	272.7	272.1	270.0	248.8	225.4
-85°	94.7	101.4	107.7	113.7	119.4	124.8	129.9	134.6	138.9	126.9	113.6
-87.5°	18.6	19.1	19.7	20.1	20.6	21.0	21.3	21.6	21.9	20.8	19.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6C-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°	18.3	16.9	17.0	17.0	17.0	16.9	18.3	19.6	20.8	21.9	21.6
85°	99.5	84.7	79.3	73.7	79.3	84.7	99.5	113.6	126.9	138.9	134.6
82.5°	200.9	175.3	167.2	158.8	167.2	175.3	200.9	225.4	248.8	270.0	272.1
80°	334.5	299.8	286.2	272.3	286.2	299.8	334.5	367.7	399.1	426.9	434.4
77.5°	496.5	458.4	442.1	425.4	442.1	458.4	496.5	532.7	567.0	595.3	597.4
75°	685.6	655.8	637.7	618.3	637.7	655.8	685.6	713.7	740.3	760.7	758.6
72.5°	917.4	902.8	889.7	873.6	889.7	902.8	917.4	929.9	940.8	947.0	940.8
70°	1180.1	1178.3	1180.6	1179.9	1180.6	1178.3	1180.1	1178.8	1174.8	1169.1	1160.3
67.5°	1488.0	1488.4	1494.8	1497.6	1494.8	1488.4	1488.0	1481.8	1469.8	1454.1	1435.8
65°	1844.1	1848.5	1846.8	1837.9	1846.8	1848.5	1844.1	1832.5	1813.5	1790.0	1761.4
62.5°	2251.7	2263.9	2270.6	2269.0	2270.6	2263.9	2251.7	2230.5	2200.8	2163.5	2120.0
60°	2683.7	2702.9	2712.5	2711.5	2712.5	2702.9	2683.7	2654.1	2614.5	2565.4	2506.2
57.5°	3150.9	3175.6	3181.3	3171.0	3181.3	3175.6	3150.9	3113.3	3062.8	3002.7	2929.4
55°	3666.4	3697.8	3710.0	3704.2	3710.0	3697.8	3666.4	3619.1	3556.4	3482.5	3394.3
52.5°	4211.4	4245.5	4257.5	4248.8	4257.5	4245.5	4211.4	4158.5	4086.2	3995.7	3890.0
50°	4777.5	4818.7	4835.3	4827.4	4835.3	4818.7	4777.5	4716.0	4632.3	4525.9	4403.0
47.5°	5378.4	5433.3	5454.6	5440.0	5454.6	5433.3	5378.4	5300.9	5202.0	5077.1	4923.8
45°	6010.6	6067.5	6089.6	6075.4	6089.6	6067.5	6010.6	5924.2	5808.6	5670.9	5513.6
42.5°	6654.2	6728.1	6759.4	6733.4	6759.4	6728.1	6654.2	6553.7	6422.3	6265.7	6086.4
40°	7309.1	7389.4	7426.4	7408.4	7426.4	7389.4	7309.1	7193.5	7038.6	6852.6	6650.3
37.5°	7980.9	8060.8	8100.0	8100.5	8100.0	8060.8	7980.9	7856.7	7684.7	7473.0	7244.7
35°	8655.2	8751.9	8806.6	8803.9	8806.6	8751.9	8655.2	8518.8	8342.9	8128.3	7859.4
32.5°	9338.8	9443.5	9499.4	9507.3	9499.4	9443.5	9338.8	9178.9	8976.5	8740.7	8464.1
30°	10021.4	10136.5	10201.2	10227.7	10201.2	10136.5	10021.4	9844.0	9617.1	9359.2	9061.6
27.5°	10683.2	10824.9	10922.6	10931.1	10922.6	10824.9	10683.2	10501.9	10262.7	9982.4	9657.7
25°	11324.3	11468.5	11568.8	11589.2	11568.8	11468.5	11324.3	11143.8	10898.0	10590.3	10243.4
22.5°	11956.1	12106.9	12199.4	12235.8	12199.4	12106.9	11956.1	11754.0	11481.9	11160.2	10792.6
20°	12559.2	12722.7	12820.8	12859.8	12820.8	12722.7	12559.2	12337.1	12037.1	11694.7	11305.7
17.5°	13104.9	13277.6	13398.7	13432.8	13398.7	13277.6	13104.9	12869.8	12555.6	12191.9	11772.3
15°	13585.1	13748.9	13863.9	13909.3	13863.9	13748.9	13585.1	13354.3	13035.9	12642.6	12176.5
12.5°	13975.9	14122.4	14212.5	14255.3	14212.5	14122.4	13975.9	13755.8	13463.0	13021.2	12531.8
10°	14281.3	14428.2	14514.3	14573.0	14514.3	14428.2	14281.3	14076.5	13749.5	13353.9	12873.0
7.5°	14546.3	14696.8	14802.2	14885.0	14802.2	14696.8	14546.3	14269.9	13978.2	13605.5	13120.0
5°	14692.6	14944.0	14981.8	15038.1	14981.8	14944.0	14692.6	14442.2	14124.1	13744.9	13271.0
2.5°	14804.2	14982.5	15089.6	15077.8	15089.6	14982.5	14804.2	14509.6	14205.0	13857.6	13398.6
0°	14885.0	15043.8	15083.5	15134.6	15083.5	15043.8	14885.0	14590.0	14272.3	13926.3	13449.8
-2.5°	14804.2	14982.5	15089.6	15077.8	15089.6	14982.5	14804.2	14509.6	14205.0	13857.6	13398.6
-5°	14692.6	14944.0	14981.8	15038.1	14981.8	14944.0	14692.6	14442.2	14124.1	13744.9	13271.0
-7.5°	14546.3	14696.8	14802.2	14885.0	14802.2	14696.8	14546.3	14269.9	13978.2	13605.5	13120.0
-10°	14281.3	14428.2	14514.3	14573.0	14514.3	14428.2	14281.3	14076.5	13749.5	13353.9	12873.0
-12.5°	13975.9	14122.4	14212.5	14255.3	14212.5	14122.4	13975.9	13755.8	13463.0	13021.2	12531.8
-15°	13585.1	13748.9	13863.9	13909.3	13863.9	13748.9	13585.1	13354.3	13035.9	12642.6	12176.5
-17.5°	13104.9	13277.6	13398.7	13432.8	13398.7	13277.6	13104.9	12869.8	12555.6	12191.9	11772.3
-20°	12559.2	12722.7	12820.8	12859.8	12820.8	12722.7	12559.2	12337.1	12037.1	11694.7	11305.7



REPORT NUMBER: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6C-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°	11956.1	12106.9	12199.4	12235.8	12199.4	12106.9	11956.1	11754.0	11481.9	11160.2	10792.6
-25°	11324.3	11468.5	11568.8	11589.2	11568.8	11468.5	11324.3	11143.8	10898.0	10590.3	10243.4
-27.5°	10683.2	10824.9	10922.6	10931.1	10922.6	10824.9	10683.2	10501.9	10262.7	9982.4	9657.7
-30°	10021.4	10136.5	10201.2	10227.7	10201.2	10136.5	10021.4	9844.0	9617.1	9359.2	9061.6
-32.5°	9338.8	9443.5	9499.4	9507.3	9499.4	9443.5	9338.8	9178.9	8976.5	8740.7	8464.1
-35°	8655.2	8751.9	8806.6	8803.9	8806.6	8751.9	8655.2	8518.8	8342.9	8128.3	7859.4
-37.5°	7980.9	8060.8	8100.0	8100.5	8100.0	8060.8	7980.9	7856.7	7684.7	7473.0	7244.7
-40°	7309.1	7389.4	7426.4	7408.4	7426.4	7389.4	7309.1	7193.5	7038.6	6852.6	6650.3
-42.5°	6654.2	6728.1	6759.4	6733.4	6759.4	6728.1	6654.2	6553.7	6422.3	6265.7	6086.4
-45°	6010.6	6067.5	6089.6	6075.4	6089.6	6067.5	6010.6	5924.2	5808.6	5670.9	5513.6
-47.5°	5378.4	5433.3	5454.6	5440.0	5454.6	5433.3	5378.4	5300.9	5202.0	5077.1	4923.8
-50°	4777.5	4818.7	4835.3	4827.4	4835.3	4818.7	4777.5	4716.0	4632.3	4525.9	4403.0
-52.5°	4211.4	4245.5	4257.5	4248.8	4257.5	4245.5	4211.4	4158.5	4086.2	3995.7	3890.0
-55°	3666.4	3697.8	3710.0	3704.2	3710.0	3697.8	3666.4	3619.1	3556.4	3482.5	3394.3
-57.5°	3150.9	3175.6	3181.3	3171.0	3181.3	3175.6	3150.9	3113.3	3062.8	3002.7	2929.4
-60°	2683.7	2702.9	2712.5	2711.5	2712.5	2702.9	2683.7	2654.1	2614.5	2565.4	2506.2
-62.5°	2251.7	2263.9	2270.6	2269.0	2270.6	2263.9	2251.7	2230.5	2200.8	2163.5	2120.0
-65°	1844.1	1848.5	1846.8	1837.9	1846.8	1848.5	1844.1	1832.5	1813.5	1790.0	1761.4
-67.5°	1488.0	1488.4	1494.8	1497.6	1494.8	1488.4	1488.0	1481.8	1469.8	1454.1	1435.8
-70°	1180.1	1178.3	1180.6	1179.9	1180.6	1178.3	1180.1	1178.8	1174.8	1169.1	1160.3
-72.5°	917.4	902.8	889.7	873.6	889.7	902.8	917.4	929.9	940.8	947.0	940.8
-75°	685.6	655.8	637.7	618.3	637.7	655.8	685.6	713.7	740.3	760.7	758.6
-77.5°	496.5	458.4	442.1	425.4	442.1	458.4	496.5	532.7	567.0	595.3	597.4
-80°	334.5	299.8	286.2	272.3	286.2	299.8	334.5	367.7	399.1	426.9	434.4
-82.5°	200.9	175.3	167.2	158.8	167.2	175.3	200.9	225.4	248.8	270.0	272.1
-85°	99.5	84.7	79.3	73.7	79.3	84.7	99.5	113.6	126.9	138.9	134.6
-87.5°	18.3	16.9	17.0	17.0	17.0	16.9	18.3	19.6	20.8	21.9	21.6
-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: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6C-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°	21.3	21.0	20.6	20.1	19.7	19.1	18.6	18.0	17.4	16.7	16.1
85°	129.9	124.8	119.4	113.7	107.7	101.4	94.7	83.1	72.2	62.1	53.4
82.5°	272.7	271.5	267.6	252.2	236.6	221.0	204.6	180.1	156.1	132.8	112.4
80°	439.7	442.6	439.7	414.1	388.1	361.9	334.0	298.3	262.1	227.7	201.9
77.5°	598.7	599.4	594.6	569.0	541.0	510.3	475.3	432.3	389.1	345.6	312.4
75°	754.9	749.6	738.9	715.4	687.3	654.3	620.1	582.2	538.1	487.4	443.9
72.5°	931.7	919.7	903.0	880.0	852.7	823.6	787.9	746.2	700.0	649.3	603.5
70°	1146.6	1127.6	1102.5	1071.2	1040.5	1008.3	970.1	924.2	870.4	814.5	763.3
67.5°	1411.9	1382.8	1347.3	1309.4	1271.2	1226.5	1175.2	1119.1	1063.6	1001.5	931.4
65°	1726.0	1683.8	1632.3	1583.4	1530.0	1471.8	1406.3	1341.2	1273.3	1198.8	1109.8
62.5°	2071.2	2017.5	1947.6	1876.7	1804.2	1729.6	1649.2	1569.3	1488.1	1400.3	1300.2
60°	2437.0	2357.2	2276.8	2188.8	2093.2	1993.0	1901.7	1804.6	1701.9	1602.5	1492.7
57.5°	2842.7	2744.5	2639.4	2527.2	2408.5	2291.4	2173.1	2050.9	1934.8	1813.6	1689.4
55°	3292.3	3176.3	3044.5	2899.8	2750.0	2614.2	2466.3	2318.1	2178.3	2031.2	1894.2
52.5°	3771.3	3632.3	3479.5	3315.2	3144.7	2968.3	2788.5	2618.3	2436.3	2269.8	2104.3
50°	4265.2	4106.0	3929.8	3740.9	3551.3	3346.9	3141.2	2936.7	2730.4	2526.3	2327.9
47.5°	4766.8	4594.3	4398.5	4189.6	3972.5	3744.1	3510.1	3264.1	3035.9	2799.1	2573.8
45°	5318.0	5105.3	4885.8	4655.7	4407.6	4155.7	3893.0	3623.7	3349.3	3088.9	2824.7
42.5°	5872.6	5633.3	5379.5	5126.4	4855.7	4573.7	4280.7	3983.9	3682.3	3382.0	3093.3
40°	6424.9	6166.0	5889.3	5600.1	5304.9	4994.1	4673.5	4343.3	4015.7	3685.5	3358.9
37.5°	6989.9	6710.2	6410.4	6091.9	5761.3	5417.0	5064.2	4706.7	4345.5	3990.1	3635.9
35°	7569.4	7263.2	6932.4	6584.5	6220.6	5843.7	5456.6	5065.2	4676.6	4292.3	3908.5
32.5°	8143.7	7812.0	7455.3	7074.5	6673.9	6263.7	5847.6	5424.8	4999.6	4589.1	4180.3
30°	8722.9	8355.6	7969.1	7557.8	7123.4	6676.7	6225.9	5778.1	5324.8	4873.2	4440.7
27.5°	9290.3	8889.4	8469.5	8024.7	7560.7	7081.4	6597.1	6119.1	5635.7	5155.5	4689.2
25°	9842.5	9409.7	8946.4	8471.4	7979.4	7468.5	6947.9	6442.2	5937.4	5423.6	4912.3
22.5°	10374.0	9900.1	9400.8	8892.6	8375.1	7838.3	7283.2	6738.2	6215.8	5663.9	5129.7
20°	10864.1	10355.3	9822.2	9286.9	8739.5	8190.3	7595.4	7015.8	6453.8	5887.3	5326.7
17.5°	11298.9	10782.0	10222.7	9658.6	9075.8	8497.5	7887.4	7268.4	6672.9	6085.7	5500.1
15°	11682.1	11165.8	10599.4	10004.5	9382.3	8750.7	8134.5	7491.6	6872.6	6261.1	5660.5
12.5°	12030.2	11489.6	10924.0	10294.9	9634.3	8975.4	8334.6	7687.2	7050.2	6421.6	5804.8
10°	12342.6	11754.9	11156.4	10518.8	9845.3	9165.0	8505.1	7851.6	7201.3	6559.0	5923.7
7.5°	12556.7	11951.6	11333.3	10697.9	10023.2	9332.3	8652.6	7983.7	7319.1	6668.4	6016.5
5°	12714.8	12107.0	11486.6	10842.3	10161.4	9457.2	8761.3	8079.5	7403.0	6748.5	6082.6
2.5°	12836.2	12213.2	11591.3	10932.7	10250.8	9541.6	8839.2	8151.6	7469.6	6807.2	6141.0
0°	12922.2	12252.9	11651.6	11004.9	10307.2	9592.4	8889.0	8196.9	7510.6	6835.5	6171.8
-2.5°	12836.2	12213.2	11591.3	10932.7	10250.8	9541.6	8839.2	8151.6	7469.6	6807.2	6141.0
-5°	12714.8	12107.0	11486.6	10842.3	10161.4	9457.2	8761.3	8079.5	7403.0	6748.5	6082.6
-7.5°	12556.7	11951.6	11333.3	10697.9	10023.2	9332.3	8652.6	7983.7	7319.1	6668.4	6016.5
-10°	12342.6	11754.9	11156.4	10518.8	9845.3	9165.0	8505.1	7851.6	7201.3	6559.0	5923.7
-12.5°	12030.2	11489.6	10924.0	10294.9	9634.3	8975.4	8334.6	7687.2	7050.2	6421.6	5804.8
-15°	11682.1	11165.8	10599.4	10004.5	9382.3	8750.7	8134.5	7491.6	6872.6	6261.1	5660.5
-17.5°	11298.9	10782.0	10222.7	9658.6	9075.8	8497.5	7887.4	7268.4	6672.9	6085.7	5500.1
-20°	10864.1	10355.3	9822.2	9286.9	8739.5	8190.3	7595.4	7015.8	6453.8	5887.3	5326.7



REPORT NUMBER: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6C-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°	10374.0	9900.1	9400.8	8892.6	8375.1	7838.3	7283.2	6738.2	6215.8	5663.9	5129.7
-25°	9842.5	9409.7	8946.4	8471.4	7979.4	7468.5	6947.9	6442.2	5937.4	5423.6	4912.3
-27.5°	9290.3	8889.4	8469.5	8024.7	7560.7	7081.4	6597.1	6119.1	5635.7	5155.5	4689.2
-30°	8722.9	8355.6	7969.1	7557.8	7123.4	6676.7	6225.9	5778.1	5324.8	4873.2	4440.7
-32.5°	8143.7	7812.0	7455.3	7074.5	6673.9	6263.7	5847.6	5424.8	4999.6	4589.1	4180.3
-35°	7569.4	7263.2	6932.4	6584.5	6220.6	5843.7	5456.6	5065.2	4676.6	4292.3	3908.5
-37.5°	6989.9	6710.2	6410.4	6091.9	5761.3	5417.0	5064.2	4706.7	4345.5	3990.1	3635.9
-40°	6424.9	6166.0	5889.3	5600.1	5304.9	4994.1	4673.5	4343.3	4015.7	3685.5	3358.9
-42.5°	5872.6	5633.3	5379.5	5126.4	4855.7	4573.7	4280.7	3983.9	3682.3	3382.0	3093.3
-45°	5318.0	5105.3	4885.8	4655.7	4407.6	4155.7	3893.0	3623.7	3349.3	3088.9	2824.7
-47.5°	4766.8	4594.3	4398.5	4189.6	3972.5	3744.1	3510.1	3264.1	3035.9	2799.1	2573.8
-50°	4265.2	4106.0	3929.8	3740.9	3551.3	3346.9	3141.2	2936.7	2730.4	2526.3	2327.9
-52.5°	3771.3	3632.3	3479.5	3315.2	3144.7	2968.3	2788.5	2618.3	2436.3	2269.8	2104.3
-55°	3292.3	3176.3	3044.5	2899.8	2750.0	2614.2	2466.3	2318.1	2178.3	2031.2	1894.2
-57.5°	2842.7	2744.5	2639.4	2527.2	2408.5	2291.4	2173.1	2050.9	1934.8	1813.6	1689.4
-60°	2437.0	2357.2	2276.8	2188.8	2093.2	1993.0	1901.7	1804.6	1701.9	1602.5	1492.7
-62.5°	2071.2	2017.5	1947.6	1876.7	1804.2	1729.6	1649.2	1569.3	1488.1	1400.3	1300.2
-65°	1726.0	1683.8	1632.3	1583.4	1530.0	1471.8	1406.3	1341.2	1273.3	1198.8	1109.8
-67.5°	1411.9	1382.8	1347.3	1309.4	1271.2	1226.5	1175.2	1119.1	1063.6	1001.5	931.4
-70°	1146.6	1127.6	1102.5	1071.2	1040.5	1008.3	970.1	924.2	870.4	814.5	763.3
-72.5°	931.7	919.7	903.0	880.0	852.7	823.6	787.9	746.2	700.0	649.3	603.5
-75°	754.9	749.6	738.9	715.4	687.3	654.3	620.1	582.2	538.1	487.4	443.9
-77.5°	598.7	599.4	594.6	569.0	541.0	510.3	475.3	432.3	389.1	345.6	312.4
-80°	439.7	442.6	439.7	414.1	388.1	361.9	334.0	298.3	262.1	227.7	201.9
-82.5°	272.7	271.5	267.6	252.2	236.6	221.0	204.6	180.1	156.1	132.8	112.4
-85°	129.9	124.8	119.4	113.7	107.7	101.4	94.7	83.1	72.2	62.1	53.4
-87.5°	21.3	21.0	20.6	20.1	19.7	19.1	18.6	18.0	17.4	16.7	16.1
-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: P627851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6C-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°	16.3	16.4	16.4	16.3	14.5	12.8	11.1	9.6	8.7	7.8	6.8
85°	53.6	52.4	49.5	44.9	35.4	25.5	22.2	19.2	17.4	15.5	13.6
82.5°	112.0	113.1	113.0	109.7	96.8	83.2	69.0	54.3	40.2	25.6	20.4
80°	202.2	200.1	195.3	186.1	164.9	140.9	122.9	104.2	86.0	66.9	47.1
77.5°	305.8	297.1	286.4	274.3	251.8	225.3	195.0	160.5	131.5	108.0	83.6
75°	421.5	407.5	392.6	372.4	343.5	310.4	277.1	237.0	192.4	150.4	119.9
72.5°	566.6	532.9	502.8	474.5	443.2	406.3	363.7	312.0	257.9	206.8	158.8
70°	713.6	663.1	618.0	579.4	541.7	503.0	456.3	392.6	322.2	262.0	205.6
67.5°	862.9	803.2	742.8	685.1	637.5	591.9	546.8	472.7	392.0	316.0	251.2
65°	1027.6	947.9	871.3	799.9	735.3	678.4	625.5	547.8	459.8	374.3	295.6
62.5°	1197.3	1095.6	1004.9	913.9	833.4	764.2	700.6	614.9	524.6	430.7	342.0
60°	1375.6	1259.8	1139.3	1033.0	934.3	846.8	769.8	681.0	585.3	485.0	388.1
57.5°	1563.4	1427.3	1291.9	1157.5	1039.0	934.0	837.1	743.8	644.8	538.5	431.0
55°	1753.7	1607.1	1446.9	1295.5	1150.1	1025.2	908.3	804.0	702.4	591.1	468.1
52.5°	1944.3	1783.3	1611.3	1436.4	1273.6	1117.3	986.7	862.6	755.3	642.5	506.6
50°	2143.6	1959.0	1774.7	1585.7	1396.5	1225.1	1062.4	929.8	806.7	691.4	543.2
47.5°	2351.0	2145.3	1940.3	1733.8	1530.8	1328.4	1150.8	995.7	856.5	735.6	577.2
45°	2578.4	2337.8	2110.8	1887.6	1658.1	1439.9	1240.3	1058.7	912.8	770.0	608.6
42.5°	2805.6	2541.0	2287.4	2039.1	1791.2	1550.8	1325.1	1133.0	966.6	802.9	637.5
40°	3047.3	2744.9	2463.7	2194.3	1921.3	1656.2	1419.0	1205.3	1017.1	837.1	664.8
37.5°	3282.3	2954.0	2644.9	2342.5	2048.7	1770.0	1509.3	1273.1	1065.0	875.5	690.7
35°	3531.0	3164.0	2812.4	2491.7	2179.8	1878.0	1593.8	1341.4	1120.1	913.0	715.1
32.5°	3771.2	3369.3	2992.3	2638.9	2305.0	1979.7	1680.9	1413.8	1173.1	949.3	738.0
30°	4007.4	3575.4	3164.7	2778.1	2426.4	2086.5	1768.1	1481.4	1223.8	984.4	760.8
27.5°	4225.1	3766.3	3329.9	2922.0	2545.6	2187.7	1850.4	1544.2	1271.9	1020.4	787.4
25°	4427.9	3949.9	3492.7	3060.4	2656.3	2283.6	1926.3	1602.2	1320.8	1058.1	812.0
22.5°	4618.2	4120.4	3640.3	3187.9	2758.8	2371.7	2000.3	1664.0	1367.1	1092.7	834.6
20°	4791.1	4274.0	3772.5	3303.5	2858.5	2455.7	2071.5	1719.5	1408.5	1124.1	854.9
17.5°	4947.0	4414.3	3898.7	3411.6	2951.4	2530.2	2134.7	1768.4	1444.8	1152.1	872.8
15°	5091.6	4541.9	4010.2	3505.9	3031.8	2595.1	2189.7	1810.5	1476.0	1176.5	889.9
12.5°	5215.9	4651.4	4104.8	3586.0	3099.5	2650.1	2236.3	1845.8	1501.8	1198.5	905.9
10°	5318.2	4741.8	4182.0	3651.6	3154.3	2694.9	2274.1	1875.5	1526.1	1217.5	918.2
7.5°	5397.8	4812.6	4241.6	3702.1	3197.7	2732.3	2306.3	1901.2	1545.6	1232.2	926.9
5°	5458.2	4867.9	4293.4	3744.4	3237.7	2762.5	2329.7	1919.6	1559.8	1242.2	931.8
2.5°	5511.9	4909.4	4334.1	3771.9	3264.8	2782.1	2343.8	1930.7	1568.4	1247.6	932.9
0°	5542.2	4929.5	4356.6	3783.6	3278.8	2790.9	2348.5	1934.4	1571.3	1248.0	930.3
-2.5°	5511.9	4909.4	4334.1	3771.9	3264.8	2782.1	2343.8	1930.7	1568.4	1247.6	932.9
-5°	5458.2	4867.9	4293.4	3744.4	3237.7	2762.5	2329.7	1919.6	1559.8	1242.2	931.8
-7.5°	5397.8	4812.6	4241.6	3702.1	3197.7	2732.3	2306.3	1901.2	1545.6	1232.2	926.9
-10°	5318.2	4741.8	4182.0	3651.6	3154.3	2694.9	2274.1	1875.5	1526.1	1217.5	918.2
-12.5°	5215.9	4651.4	4104.8	3586.0	3099.5	2650.1	2236.3	1845.8	1501.8	1198.5	905.9
-15°	5091.6	4541.9	4010.2	3505.9	3031.8	2595.1	2189.7	1810.5	1476.0	1176.5	889.9
-17.5°	4947.0	4414.3	3898.7	3411.6	2951.4	2530.2	2134.7	1768.4	1444.8	1152.1	872.8
-20°	4791.1	4274.0	3772.5	3303.5	2858.5	2455.7	2071.5	1719.5	1408.5	1124.1	854.9



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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°	4618.2	4120.4	3640.3	3187.9	2758.8	2371.7	2000.3	1664.0	1367.1	1092.7	834.6
-25°	4427.9	3949.9	3492.7	3060.4	2656.3	2283.6	1926.3	1602.2	1320.8	1058.1	812.0
-27.5°	4225.1	3766.3	3329.9	2922.0	2545.6	2187.7	1850.4	1544.2	1271.9	1020.4	787.4
-30°	4007.4	3575.4	3164.7	2778.1	2426.4	2086.5	1768.1	1481.4	1223.8	984.4	760.8
-32.5°	3771.2	3369.3	2992.3	2638.9	2305.0	1979.7	1680.9	1413.8	1173.1	949.3	738.0
-35°	3531.0	3164.0	2812.4	2491.7	2179.8	1878.0	1593.8	1341.4	1120.1	913.0	715.1
-37.5°	3282.3	2954.0	2644.9	2342.5	2048.7	1770.0	1509.3	1273.1	1065.0	875.5	690.7
-40°	3047.3	2744.9	2463.7	2194.3	1921.3	1656.2	1419.0	1205.3	1017.1	837.1	664.8
-42.5°	2805.6	2541.0	2287.4	2039.1	1791.2	1550.8	1325.1	1133.0	966.6	802.9	637.5
-45°	2578.4	2337.8	2110.8	1887.6	1658.1	1439.9	1240.3	1058.7	912.8	770.0	608.6
-47.5°	2351.0	2145.3	1940.3	1733.8	1530.8	1328.4	1150.8	995.7	856.5	735.6	577.2
-50°	2143.6	1959.0	1774.7	1585.7	1396.5	1225.1	1062.4	929.8	806.7	691.4	543.2
-52.5°	1944.3	1783.3	1611.3	1436.4	1273.6	1117.3	986.7	862.6	755.3	642.5	506.6
-55°	1753.7	1607.1	1446.9	1295.5	1150.1	1025.2	908.3	804.0	702.4	591.1	468.1
-57.5°	1563.4	1427.3	1291.9	1157.5	1039.0	934.0	837.1	743.8	644.8	538.5	431.0
-60°	1375.6	1259.8	1139.3	1033.0	934.3	846.8	769.8	681.0	585.3	485.0	388.1
-62.5°	1197.3	1095.6	1004.9	913.9	833.4	764.2	700.6	614.9	524.6	430.7	342.0
-65°	1027.6	947.9	871.3	799.9	735.3	678.4	625.5	547.8	459.8	374.3	295.6
-67.5°	862.9	803.2	742.8	685.1	637.5	591.9	546.8	472.7	392.0	316.0	251.2
-70°	713.6	663.1	618.0	579.4	541.7	503.0	456.3	392.6	322.2	262.0	205.6
-72.5°	566.6	532.9	502.8	474.5	443.2	406.3	363.7	312.0	257.9	206.8	158.8
-75°	421.5	407.5	392.6	372.4	343.5	310.4	277.1	237.0	192.4	150.4	119.9
-77.5°	305.8	297.1	286.4	274.3	251.8	225.3	195.0	160.5	131.5	108.0	83.6
-80°	202.2	200.1	195.3	186.1	164.9	140.9	122.9	104.2	86.0	66.9	47.1
-82.5°	112.0	113.1	113.0	109.7	96.8	83.2	69.0	54.3	40.2	25.6	20.4
-85°	53.6	52.4	49.5	44.9	35.4	25.5	22.2	19.2	17.4	15.5	13.6
-87.5°	16.3	16.4	16.4	16.3	14.5	12.8	11.1	9.6	8.7	7.8	6.8
-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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CATALOG NUMBER: GFLD-SA6C-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°	5.9	4.9	3.9	3.0	2.0	0.9	0.0
85°	11.7	9.8	7.9	5.9	3.9	1.7	0.0
82.5°	17.6	14.7	11.8	8.9	5.9	2.6	0.0
80°	26.4	19.6	15.7	11.8	7.8	3.4	0.0
77.5°	57.6	30.7	19.6	14.7	9.8	4.3	0.0
75°	88.0	53.0	25.5	17.6	11.6	5.1	0.0
72.5°	117.5	74.8	40.6	20.4	13.5	5.9	0.0
70°	146.9	95.7	55.2	24.5	15.3	6.7	0.0
67.5°	182.3	115.8	69.3	33.5	17.0	7.5	0.0
65°	216.0	138.3	82.7	42.2	18.7	8.3	0.0
62.5°	248.1	162.9	95.5	50.5	20.4	9.0	0.0
60°	278.4	186.2	107.4	58.4	21.9	9.7	0.0
57.5°	310.2	208.1	123.4	65.8	26.3	10.4	0.0
55°	340.4	228.5	138.6	72.6	30.6	11.1	0.0
52.5°	368.3	247.8	152.7	79.0	34.8	11.7	0.0
50°	393.9	268.3	165.7	84.8	38.8	12.3	0.0
47.5°	417.9	287.1	177.5	90.9	42.5	12.9	0.0
45°	444.6	304.0	188.2	98.7	46.1	13.4	0.0
42.5°	469.0	319.0	197.7	105.9	49.5	14.0	0.0
40°	491.2	332.1	207.2	113.2	52.7	14.4	0.0
37.5°	511.1	343.3	216.6	120.4	55.7	14.9	0.0
35°	528.6	356.3	224.7	127.1	58.5	15.3	0.0
32.5°	544.8	369.3	231.4	133.3	61.1	15.6	0.0
30°	561.7	380.3	236.8	138.9	63.4	16.0	0.0
27.5°	576.8	389.5	244.9	144.1	65.5	16.2	0.0
25°	590.1	396.8	252.5	148.7	67.4	16.5	0.0
22.5°	601.5	404.1	259.2	152.7	69.1	16.7	0.0
20°	611.0	414.1	265.0	156.2	70.5	16.9	0.0
17.5°	622.7	422.4	269.9	159.2	71.7	17.0	0.0
15°	635.0	428.7	273.8	161.6	72.7	17.1	0.0
12.5°	644.9	433.4	276.8	163.4	73.4	17.2	0.0
10°	652.5	436.2	278.8	164.7	73.9	17.2	0.0
7.5°	657.7	437.4	280.0	165.5	74.2	17.2	0.0
5°	660.4	436.9	280.2	165.7	74.3	17.2	0.0
2.5°	660.5	434.7	279.6	165.4	74.1	17.1	0.0
0°	658.0	431.1	278.0	164.5	73.7	17.0	0.0
-2.5°	660.5	434.7	279.6	165.4	74.1	17.1	0.0
-5°	660.4	436.9	280.2	165.7	74.3	17.2	0.0
-7.5°	657.7	437.4	280.0	165.5	74.2	17.2	0.0
-10°	652.5	436.2	278.8	164.7	73.9	17.2	0.0
-12.5°	644.9	433.4	276.8	163.4	73.4	17.2	0.0
-15°	635.0	428.7	273.8	161.6	72.7	17.1	0.0
-17.5°	622.7	422.4	269.9	159.2	71.7	17.0	0.0
-20°	611.0	414.1	265.0	156.2	70.5	16.9	0.0

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CATALOG NUMBER: GFLD-SA6C-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	601.5	404.1	259.2	152.7	69.1	16.7	0.0
-25°	590.1	396.8	252.5	148.7	67.4	16.5	0.0
-27.5°	576.8	389.5	244.9	144.1	65.5	16.2	0.0
-30°	561.7	380.3	236.8	138.9	63.4	16.0	0.0
-32.5°	544.8	369.3	231.4	133.3	61.1	15.6	0.0
-35°	528.6	356.3	224.7	127.1	58.5	15.3	0.0
-37.5°	511.1	343.3	216.6	120.4	55.7	14.9	0.0
-40°	491.2	332.1	207.2	113.2	52.7	14.4	0.0
-42.5°	469.0	319.0	197.7	105.9	49.5	14.0	0.0
-45°	444.6	304.0	188.2	98.7	46.1	13.4	0.0
-47.5°	417.9	287.1	177.5	90.9	42.5	12.9	0.0
-50°	393.9	268.3	165.7	84.8	38.8	12.3	0.0
-52.5°	368.3	247.8	152.7	79.0	34.8	11.7	0.0
-55°	340.4	228.5	138.6	72.6	30.6	11.1	0.0
-57.5°	310.2	208.1	123.4	65.8	26.3	10.4	0.0
-60°	278.4	186.2	107.4	58.4	21.9	9.7	0.0
-62.5°	248.1	162.9	95.5	50.5	20.4	9.0	0.0
-65°	216.0	138.3	82.7	42.2	18.7	8.3	0.0
-67.5°	182.3	115.8	69.3	33.5	17.0	7.5	0.0
-70°	146.9	95.7	55.2	24.5	15.3	6.7	0.0
-72.5°	117.5	74.8	40.6	20.4	13.5	5.9	0.0
-75°	88.0	53.0	25.5	17.6	11.6	5.1	0.0
-77.5°	57.6	30.7	19.6	14.7	9.8	4.3	0.0
-80°	26.4	19.6	15.7	11.8	7.8	3.4	0.0
-82.5°	17.6	14.7	11.8	8.9	5.9	2.6	0.0
-85°	11.7	9.8	7.9	5.9	3.9	1.7	0.0
-87.5°	5.9	4.9	3.9	3.0	2.0	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)