

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-740-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-740-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17484.2 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 7H x 7V
Max Intensity: 7456.6 candela
Max Intensity Angle: 0°H x -20°V

Beam Angle (50%): 105.6°H x 93.7°V
Beam Lumens: 13668.1 lumens
Beam Efficiency: 78.2%

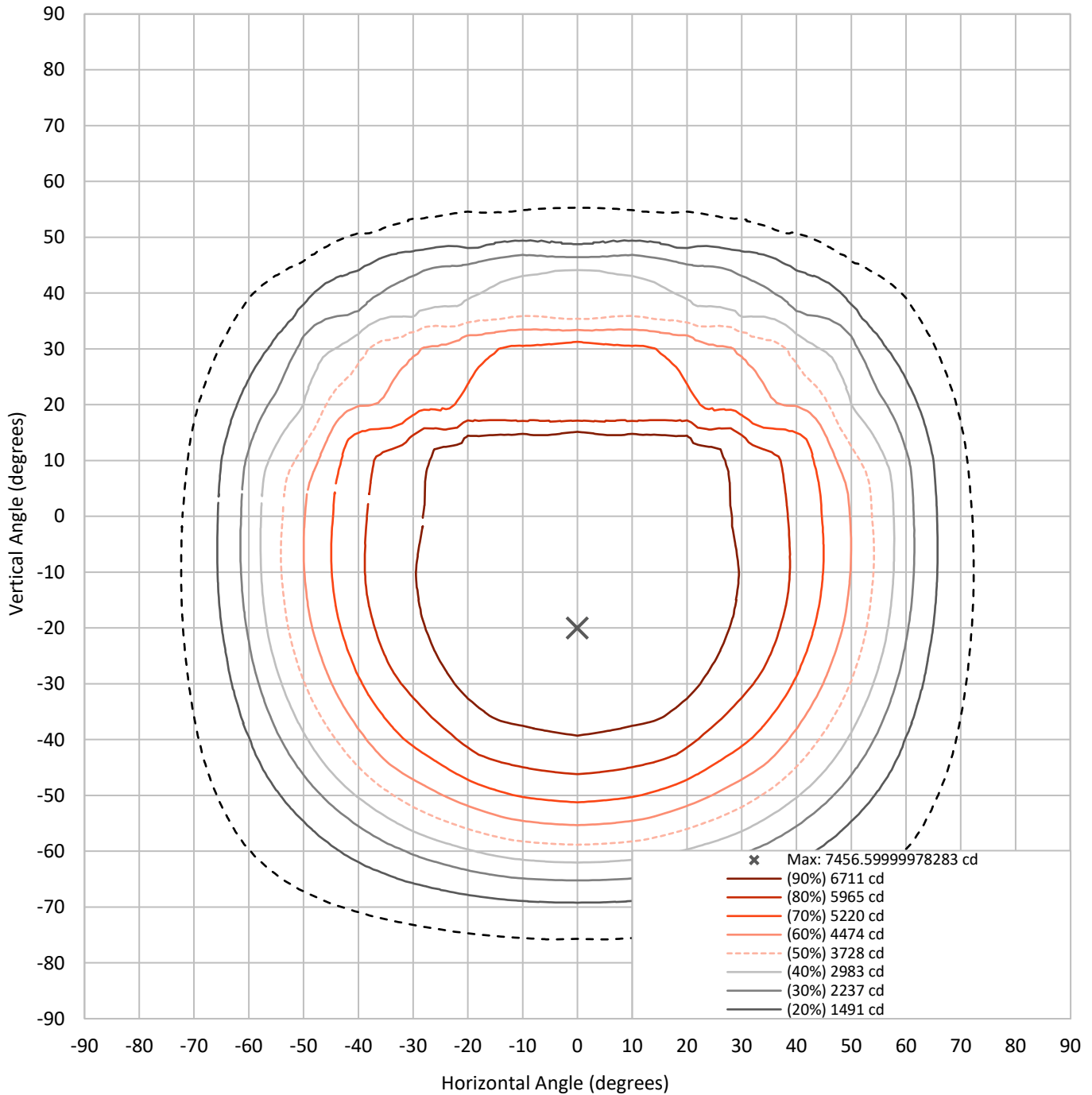
Field Angle (10%): 144°H x 131.2°V
Field Lumens: 17137 lumens
Field Efficiency: 98.0%

Input Watts (W): 168.2
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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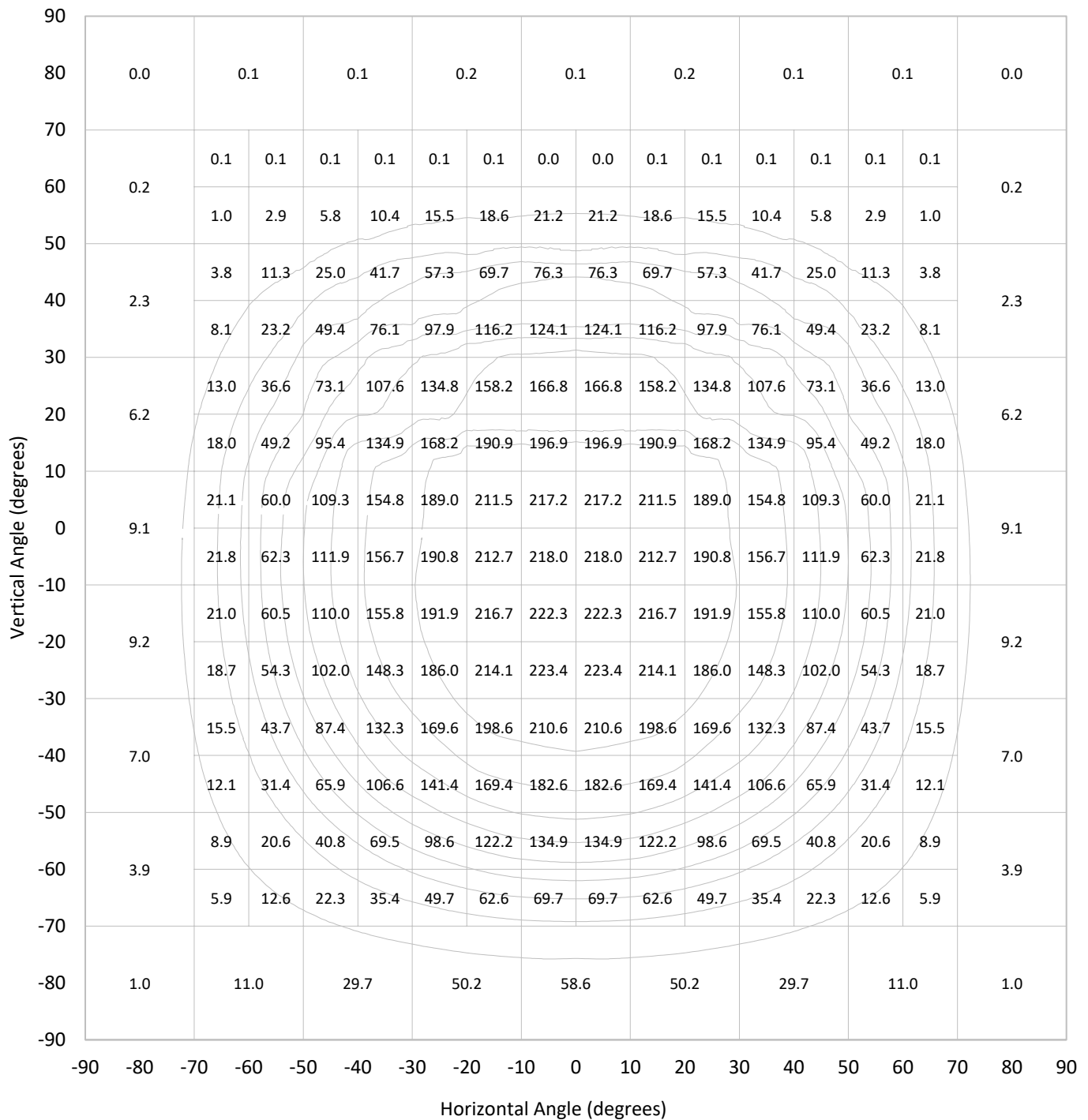
Iso-Candela Plot





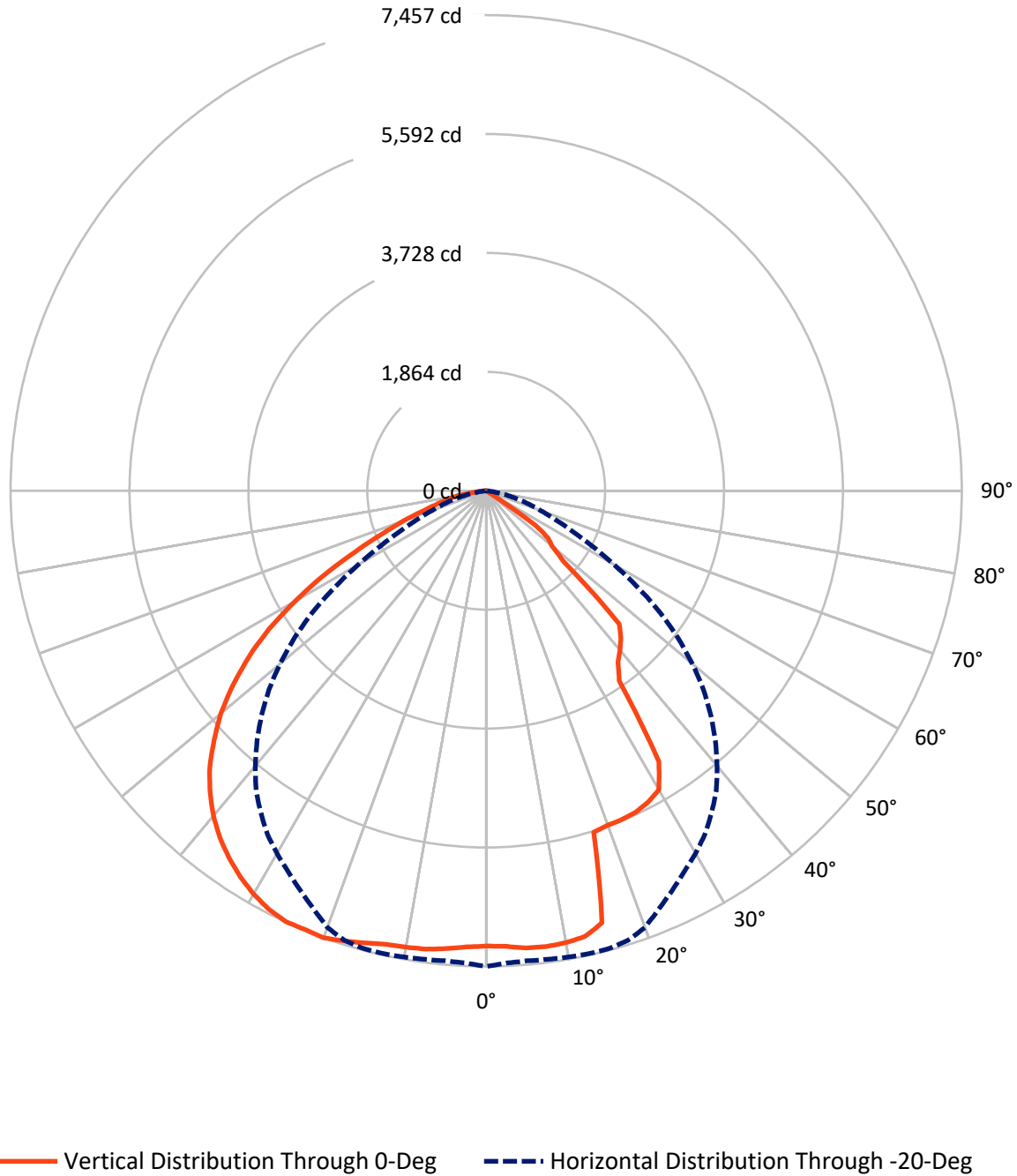
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Lumen Table



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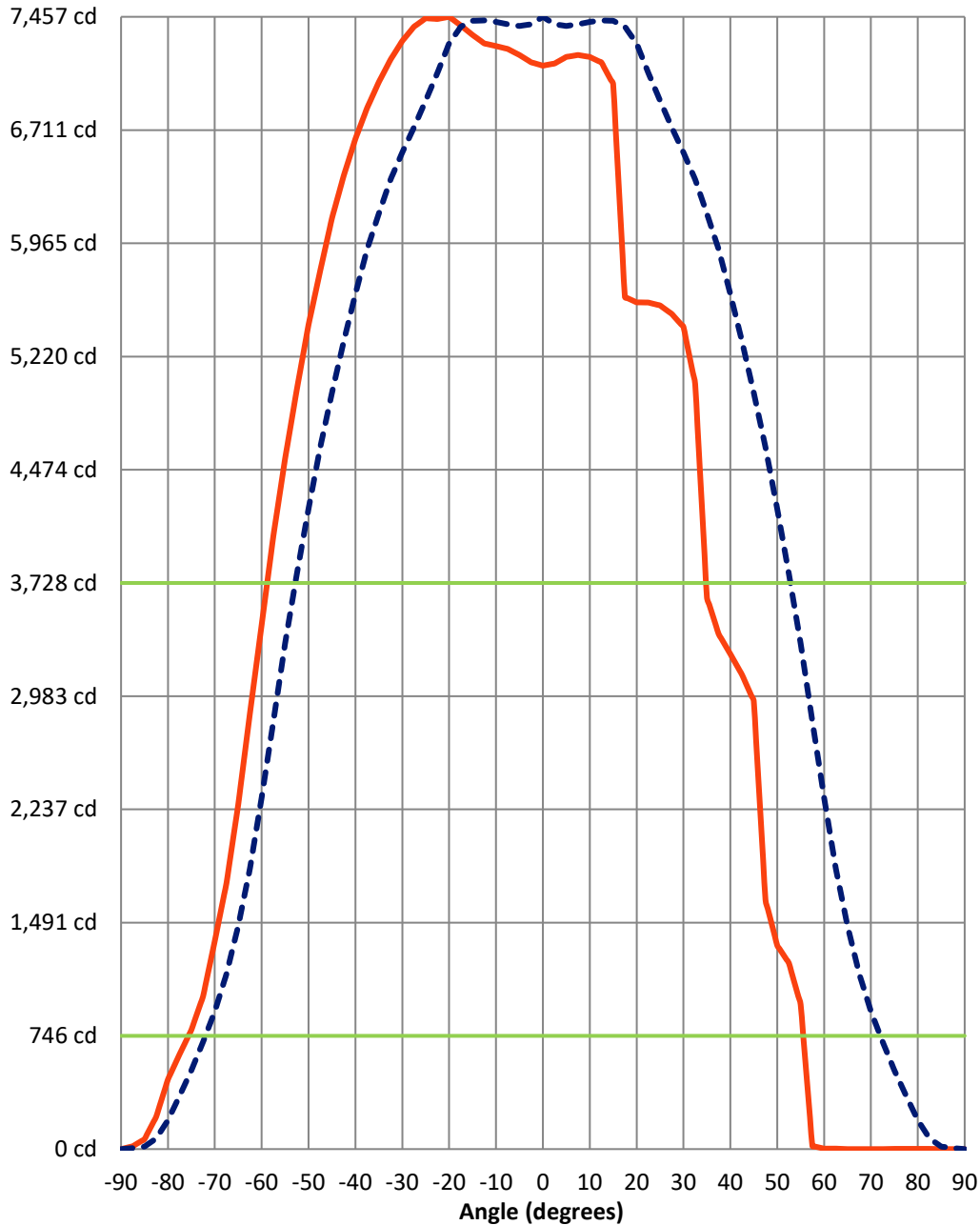
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 13668.1
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 17137
 Efficiency: 98.0%

Spill:
 Lumens: 347.2
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -20-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	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7
85°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.7	1.6	1.5	1.4
82.5°	0.0	0.5	0.8	1.2	1.7	2.1	2.5	2.5	2.4	2.0	1.6
80°	0.0	0.7	1.1	1.7	2.2	2.8	3.2	2.8	2.4	2.0	1.7
77.5°	0.0	0.9	1.4	2.1	2.8	3.2	3.2	2.9	2.5	2.1	1.7
75°	0.0	1.0	1.7	2.5	3.2	3.3	3.2	2.9	2.5	2.1	1.7
72.5°	0.0	1.2	2.0	2.9	3.4	3.4	3.3	2.9	2.5	2.2	1.8
70°	0.0	1.4	2.3	3.2	3.5	3.6	3.4	3.0	2.6	2.2	2.5
67.5°	0.0	1.6	2.5	3.4	3.7	3.7	3.8	3.0	2.7	3.6	3.6
65°	0.0	1.7	2.8	3.5	3.8	4.2	4.3	3.0	4.2	5.0	6.3
62.5°	0.0	1.9	3.1	3.7	4.0	5.3	5.0	4.3	5.9	8.7	13.9
60°	0.0	2.1	3.4	3.9	4.2	6.4	5.9	6.0	7.7	22.1	24.1
57.5°	0.0	2.2	3.6	4.0	5.4	7.7	10.9	8.5	21.7	37.6	43.6
55°	0.0	2.4	3.8	4.2	6.8	9.0	17.4	13.8	40.2	58.0	70.6
52.5°	0.0	2.5	3.9	4.4	8.1	11.6	24.9	34.9	60.3	91.0	102.5
50°	0.0	2.7	4.1	4.6	9.6	19.8	33.6	59.0	86.2	127.6	160.1
47.5°	0.0	2.8	4.3	5.0	11.1	28.6	45.2	84.2	124.2	168.1	218.9
45°	0.0	3.0	4.5	6.2	12.7	38.0	68.1	110.5	166.7	219.1	276.0
42.5°	0.0	3.1	4.7	7.4	14.3	48.0	91.7	144.0	210.0	268.8	341.9
40°	0.0	3.3	4.9	9.0	19.3	58.6	115.7	182.0	254.6	317.4	412.4
37.5°	0.0	3.4	5.1	10.9	27.6	69.8	140.2	220.2	301.3	376.0	486.1
35°	0.0	3.6	5.3	13.0	36.0	86.7	165.1	258.3	348.8	447.9	573.1
32.5°	0.0	3.7	5.5	15.3	44.6	106.3	192.1	296.3	396.9	520.2	678.9
30°	0.0	3.8	5.8	17.8	53.2	125.8	222.9	334.6	445.4	592.6	780.5
27.5°	0.0	3.9	6.0	20.5	63.8	145.0	253.2	374.5	498.7	665.0	877.5
25°	0.0	4.0	6.2	23.4	74.7	163.9	282.7	414.0	558.8	744.0	970.0
22.5°	0.0	4.2	6.4	26.3	85.5	183.3	311.4	452.9	617.8	823.0	1063.7
20°	0.0	4.3	6.6	29.3	96.3	204.0	339.1	490.9	675.2	897.5	1155.1
17.5°	0.0	4.3	6.8	32.4	106.9	224.0	366.5	527.9	730.8	967.5	1243.6
15°	0.0	4.4	7.0	35.5	117.2	243.3	392.8	562.2	784.2	1032.7	1328.6
12.5°	0.0	4.5	7.2	38.6	127.2	261.7	417.4	592.8	826.8	1093.1	1409.5
10°	0.0	4.6	7.4	41.7	136.7	279.0	440.3	621.0	858.5	1129.4	1475.5
7.5°	0.0	4.7	7.5	44.6	145.7	295.3	461.3	646.8	885.6	1157.4	1513.9
5°	0.0	4.7	7.7	47.4	154.1	310.2	480.4	669.9	908.1	1180.1	1545.2
2.5°	0.0	4.8	7.9	50.1	161.8	323.8	497.5	690.5	926.5	1197.5	1569.2
0°	0.0	4.8	8.0	52.5	168.7	335.9	512.6	708.4	940.8	1209.9	1585.6
-2.5°	0.0	5.1	9.2	55.9	175.1	343.6	520.1	718.8	946.0	1225.5	1596.3
-5°	0.0	5.3	10.5	59.1	180.6	349.6	525.6	726.5	947.7	1235.6	1599.7
-7.5°	0.0	5.6	11.7	61.9	185.0	354.0	529.1	731.2	946.4	1239.7	1596.1
-10°	0.0	5.8	12.8	64.3	188.4	356.7	530.7	733.0	942.4	1237.3	1585.9
-12.5°	0.0	6.0	13.9	66.4	190.7	357.9	530.4	731.8	935.8	1227.3	1568.5
-15°	0.0	6.2	14.9	68.1	191.8	357.3	528.3	727.5	928.4	1207.8	1543.3
-17.5°	0.0	6.4	15.9	69.2	191.6	355.2	524.5	718.8	919.4	1183.5	1510.4
-20°	0.0	6.6	16.8	70.0	190.2	351.4	518.5	706.2	906.6	1154.5	1469.9

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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	6.7	17.5	70.2	187.6	346.0	509.8	691.2	889.8	1121.1	1421.8
-25°	0.0	6.8	18.2	69.8	183.6	337.7	499.1	673.7	869.2	1083.5	1366.1
-27.5°	0.0	6.9	18.8	69.0	178.2	327.4	486.4	653.9	844.5	1047.1	1316.7
-30°	0.0	6.9	19.3	67.6	171.6	315.6	471.8	631.8	817.6	1016.3	1264.0
-32.5°	0.0	6.9	19.7	65.6	163.8	302.3	455.1	611.4	789.0	980.7	1207.6
-35°	0.0	6.9	20.0	63.0	155.1	287.8	437.1	589.8	758.1	940.3	1147.7
-37.5°	0.0	6.9	20.1	59.9	145.6	273.1	417.8	566.0	725.0	895.3	1088.6
-40°	0.0	6.8	20.1	56.1	135.1	259.9	396.9	539.9	689.8	852.7	1030.3
-42.5°	0.0	6.7	20.0	52.1	127.3	245.7	374.6	511.7	655.7	807.7	967.5
-45°	0.0	6.6	19.8	48.0	121.9	230.6	350.9	482.5	620.9	759.7	902.4
-47.5°	0.0	6.4	19.4	43.3	115.5	214.6	325.9	453.2	583.6	709.4	846.1
-50°	0.0	6.2	18.9	41.8	108.2	197.7	305.0	422.6	542.3	663.2	787.1
-52.5°	0.0	6.0	18.3	41.0	99.9	180.1	284.0	390.5	502.8	615.6	726.7
-55°	0.0	5.7	17.6	39.7	90.8	166.7	262.3	358.1	463.3	566.7	673.0
-57.5°	0.0	5.5	16.7	38.0	80.8	153.2	239.7	332.4	422.3	519.9	618.1
-60°	0.0	5.1	15.8	35.8	70.3	138.3	216.8	303.9	381.4	472.6	563.2
-62.5°	0.0	4.8	14.8	33.3	65.3	122.4	195.9	272.9	343.5	423.9	509.5
-65°	0.0	4.5	13.8	30.4	59.6	105.3	173.4	240.7	303.3	375.2	454.6
-67.5°	0.0	4.1	12.6	27.1	53.2	91.0	149.6	208.9	261.0	324.2	395.2
-70°	0.0	3.7	11.4	23.5	46.3	79.7	124.5	176.2	223.1	271.0	332.0
-72.5°	0.0	3.3	10.2	20.7	38.9	67.4	105.3	142.8	184.5	226.9	269.7
-75°	0.0	2.8	8.8	18.0	30.9	54.5	86.1	115.1	145.3	182.2	219.5
-77.5°	0.0	2.4	7.4	15.2	25.6	40.9	65.9	89.0	113.0	138.9	168.6
-80°	0.0	1.9	6.0	12.3	20.6	31.2	45.0	62.4	80.9	101.0	122.6
-82.5°	0.0	1.4	4.5	9.3	15.6	23.5	33.1	40.0	48.3	62.5	77.8
-85°	0.0	1.0	3.0	6.2	10.5	15.8	22.2	26.8	31.5	36.5	41.6
-87.5°	0.0	0.5	1.5	3.1	5.2	7.9	11.1	13.4	15.8	18.3	20.8
-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-SA4C-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
85°	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.9	2.1	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	2.5	2.6	2.3	1.9	1.6	1.7	1.8	1.8	1.6	1.6	1.6
67.5°	3.1	2.7	2.3	2.2	2.2	2.4	2.4	2.0	1.6	1.6	1.7
65°	3.2	2.8	4.0	4.5	3.3	2.8	2.4	2.1	2.2	2.3	2.3
62.5°	4.8	5.9	7.6	13.5	10.1	2.9	5.3	6.2	4.6	3.8	4.0
60°	15.5	10.6	31.4	45.0	28.1	10.3	12.5	41.6	36.1	6.7	22.5
57.5°	32.7	44.8	82.6	84.1	58.2	40.1	116.8	134.9	102.1	59.6	91.1
55°	72.0	110.6	137.0	126.8	138.5	209.7	249.2	223.9	188.5	289.9	370.4
52.5°	140.6	180.0	189.0	217.0	310.6	356.8	341.9	365.6	474.2	588.9	613.8
50°	207.6	239.8	265.0	383.1	456.3	460.9	494.9	602.5	747.2	817.4	800.5
47.5°	272.3	305.7	422.7	536.2	569.1	614.2	699.2	906.7	1060.1	1063.1	1045.7
45°	340.8	430.0	579.3	653.3	706.7	793.8	999.2	1285.5	1300.3	1341.9	1597.7
42.5°	414.0	570.2	700.6	777.5	863.7	1026.4	1300.5	1488.2	1552.8	1734.9	1940.7
40°	532.6	705.7	819.6	918.0	1028.9	1266.2	1566.3	1742.3	1794.8	1952.4	2107.1
37.5°	652.8	818.9	946.5	1065.2	1218.9	1539.2	1886.5	2031.6	2058.2	2087.0	2429.7
35°	768.7	935.0	1087.7	1243.1	1431.5	1892.7	2196.2	2332.6	2328.4	2523.0	2881.8
32.5°	877.0	1053.6	1233.9	1441.7	1752.6	2225.1	2528.7	2610.4	2734.3	3017.4	3507.3
30°	985.1	1185.9	1392.9	1640.5	2034.4	2443.9	2790.5	2922.0	3134.3	3457.4	3813.9
27.5°	1096.5	1321.6	1572.0	1862.1	2256.8	2633.2	2929.3	3243.4	3449.7	3739.3	3992.8
25°	1207.5	1465.3	1748.7	2055.7	2415.8	2766.6	3072.9	3435.6	3657.1	3890.5	4127.1
22.5°	1323.9	1610.9	1931.0	2209.2	2549.8	2880.0	3244.6	3638.0	3926.0	4074.3	4233.2
20°	1445.5	1768.5	2109.9	2418.1	2682.1	2985.3	3417.0	3895.0	4266.8	4433.7	4455.5
17.5°	1565.4	1921.2	2288.2	2621.9	2906.6	3176.6	3598.0	4202.9	4665.2	4820.4	4889.4
15°	1682.3	2068.0	2465.6	2820.2	3132.8	3462.9	3912.9	4528.0	5056.5	5228.3	5336.9
12.5°	1795.2	2208.1	2640.1	3012.0	3359.2	3729.4	4198.9	4761.9	5244.4	5576.6	5775.9
10°	1902.7	2340.3	2809.5	3196.1	3582.9	3976.6	4435.5	4936.2	5328.9	5649.3	5932.2
7.5°	1957.0	2426.7	2955.0	3371.3	3801.1	4205.0	4629.3	5059.1	5389.8	5704.1	5977.6
5°	1993.8	2462.2	3000.5	3432.3	3917.0	4357.4	4769.3	5139.8	5429.6	5741.1	6008.2
2.5°	2020.2	2485.2	3031.2	3465.7	3960.5	4404.3	4809.7	5166.7	5462.4	5767.6	6041.1
0°	2036.1	2496.1	3046.9	3486.3	3987.8	4435.1	4833.1	5176.9	5484.2	5780.3	6074.8
-2.5°	2045.1	2529.5	3057.4	3539.1	4014.1	4461.7	4865.9	5201.5	5522.6	5804.3	6099.6
-5°	2044.0	2549.4	3054.7	3574.6	4026.7	4472.1	4882.3	5212.6	5543.5	5822.4	6109.7
-7.5°	2032.9	2554.0	3040.9	3585.8	4027.2	4468.6	4875.1	5218.0	5543.1	5838.9	6110.6
-10°	2013.0	2536.0	3028.1	3557.0	4011.8	4450.4	4853.1	5206.3	5530.2	5835.6	6105.4
-12.5°	1989.7	2498.8	3001.6	3515.6	3980.4	4416.6	4819.7	5176.5	5506.0	5810.6	6093.2
-15°	1954.7	2449.3	2958.0	3463.0	3932.6	4367.3	4776.3	5127.8	5468.6	5767.0	6057.1
-17.5°	1907.6	2388.0	2896.6	3400.5	3868.3	4303.1	4720.7	5063.6	5402.8	5711.0	5991.0
-20°	1848.3	2315.3	2816.9	3329.5	3786.6	4216.8	4621.3	4980.5	5317.4	5631.0	5925.2



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 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1776.7	2231.7	2720.9	3233.7	3684.6	4110.0	4509.7	4874.6	5223.7	5527.0	5840.5
-25°	1704.9	2143.4	2614.8	3101.2	3566.1	3989.7	4390.6	4746.1	5102.9	5418.4	5716.2
-27.5°	1636.1	2040.9	2491.7	2955.2	3431.9	3853.5	4250.8	4606.5	4952.9	5297.9	5584.6
-30°	1558.9	1922.4	2356.7	2799.5	3264.1	3693.3	4093.6	4462.8	4792.4	5133.0	5440.9
-32.5°	1473.7	1796.6	2214.0	2640.0	3078.2	3516.8	3913.4	4280.1	4623.0	4945.2	5268.4
-35°	1390.5	1695.1	2062.9	2468.9	2881.2	3311.5	3708.3	4071.5	4427.4	4746.5	5055.3
-37.5°	1315.5	1585.1	1902.3	2290.1	2684.1	3091.2	3494.7	3846.3	4185.0	4535.9	4837.0
-40°	1234.5	1467.0	1763.2	2106.0	2477.3	2864.5	3250.9	3614.6	3933.0	4279.7	4610.9
-42.5°	1149.6	1370.9	1626.0	1911.1	2261.6	2626.6	2999.7	3355.4	3686.1	4013.2	4341.4
-45°	1075.2	1269.1	1486.4	1746.8	2032.3	2375.6	2728.8	3083.4	3400.7	3712.4	4036.5
-47.5°	996.2	1166.8	1367.7	1575.7	1823.8	2110.9	2443.0	2770.1	3094.9	3391.5	3678.3
-50°	917.4	1074.6	1239.8	1427.0	1631.8	1864.4	2140.3	2444.4	2741.1	3045.6	3329.6
-52.5°	849.5	977.7	1127.0	1283.3	1458.5	1651.0	1872.0	2121.8	2391.6	2650.1	2933.5
-55°	779.1	894.7	1015.1	1152.7	1298.6	1461.0	1642.2	1852.2	2058.0	2297.0	2528.4
-57.5°	714.9	812.3	915.0	1028.7	1155.4	1285.4	1443.7	1607.1	1793.9	1979.6	2162.9
-60°	654.3	734.0	821.1	917.3	1019.1	1134.8	1253.1	1393.3	1543.8	1692.1	1847.5
-62.5°	593.3	660.3	731.3	811.2	900.0	987.5	1088.4	1196.4	1307.2	1432.8	1555.4
-65°	530.5	584.7	644.9	711.2	782.0	856.5	934.0	1014.1	1108.3	1200.3	1289.4
-67.5°	463.9	510.2	558.9	611.1	670.6	729.0	787.4	855.0	924.3	992.5	1063.2
-70°	390.0	433.7	474.3	516.6	560.8	606.6	656.5	706.1	754.9	806.0	862.7
-72.5°	314.9	355.1	390.8	422.1	458.4	496.4	532.9	567.7	604.6	643.3	681.7
-75°	251.1	277.7	309.6	338.8	367.6	394.4	418.4	447.9	478.7	506.9	530.1
-77.5°	196.0	220.1	242.0	261.5	284.5	311.3	334.8	354.8	374.4	395.7	418.3
-80°	142.6	162.6	182.5	200.6	213.8	229.0	247.0	267.5	285.3	299.8	312.9
-82.5°	92.0	106.5	121.3	136.3	142.5	146.7	150.6	157.8	168.8	179.7	190.1
-85°	45.8	50.0	59.1	68.3	71.5	73.8	75.3	76.2	79.9	83.4	86.4
-87.5°	22.9	25.0	27.1	29.2	28.1	26.6	24.7	22.5	22.0	21.3	20.5
-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: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	1.3	1.3	1.4	1.4	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.2	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.0
65°	2.2	2.2	2.3	2.2	2.0	1.9	2.0	1.9	1.7	1.4	1.0
62.5°	4.0	4.5	3.6	3.5	3.5	3.4	3.2	3.1	2.8	2.7	2.8
60°	25.0	14.8	8.7	10.1	9.1	6.0	7.7	9.0	9.1	8.3	7.3
57.5°	138.4	103.3	76.5	182.7	183.3	87.5	105.4	165.6	136.4	44.8	41.6
55°	384.9	460.4	606.0	575.6	584.9	672.8	734.6	650.4	637.6	679.4	784.8
52.5°	691.6	763.5	812.5	858.3	914.0	974.0	1035.6	1074.9	1111.6	1150.7	1174.0
50°	883.1	984.5	1054.1	1028.5	1172.8	1231.8	1171.9	1225.4	1290.8	1308.6	1317.1
47.5°	1304.0	1452.7	1482.2	1578.0	1664.1	1662.2	1589.1	1593.3	1787.8	1959.4	2043.7
45°	1874.0	1879.1	1972.6	2141.7	2262.6	2224.6	2326.6	2558.6	2635.8	2710.4	2771.6
42.5°	2096.1	2188.1	2337.3	2486.9	2577.1	2655.2	2730.7	2816.0	2916.3	2997.6	3062.5
40°	2311.1	2385.2	2538.0	2658.5	2733.1	2806.1	2894.2	2988.6	3080.4	3151.8	3200.6
37.5°	2642.1	2699.6	2736.8	2848.6	2989.8	2924.6	3091.6	3211.4	3266.1	3338.7	3345.2
35°	3142.8	3104.6	3055.1	3500.1	3526.7	3376.4	3532.6	3718.2	3620.4	3824.2	3933.8
32.5°	3586.7	3581.0	3969.5	4203.5	4068.8	4178.7	4538.7	4522.8	4762.8	4874.2	4842.4
30°	4004.9	4147.6	4372.3	4546.5	4569.9	4743.1	4903.1	5043.1	5188.0	5317.8	5326.8
27.5°	4217.2	4403.4	4555.9	4656.8	4769.3	4915.1	5060.2	5218.0	5341.2	5422.6	5442.5
25°	4345.6	4535.9	4651.4	4759.9	4884.1	5009.9	5172.4	5344.2	5443.1	5493.4	5509.4
22.5°	4458.9	4629.8	4754.0	4842.0	4975.7	5111.0	5262.5	5407.9	5515.5	5537.4	5545.4
20°	4567.9	4732.1	4939.5	5069.1	5062.6	5215.1	5361.1	5476.7	5566.3	5565.8	5568.0
17.5°	4883.2	4941.8	5318.1	5603.7	5462.2	5387.7	5789.1	5796.7	5820.5	5773.1	5670.4
15°	5350.0	5456.7	5918.9	6228.6	6131.1	6126.0	6705.8	6562.0	6685.8	6653.4	6792.6
12.5°	5844.4	5970.8	6316.2	6620.3	6765.2	6800.8	6994.5	7175.9	7213.2	7198.5	7171.1
10°	6181.3	6361.3	6500.0	6684.6	6830.8	6979.8	7092.1	7222.3	7265.0	7240.3	7205.4
7.5°	6225.1	6403.1	6565.9	6727.9	6867.1	6987.2	7103.6	7209.7	7253.2	7238.8	7214.8
5°	6253.1	6414.2	6572.1	6736.4	6869.5	6980.8	7096.8	7204.3	7229.9	7212.7	7189.3
2.5°	6270.3	6419.4	6571.6	6735.2	6856.1	6962.1	7079.5	7194.1	7194.0	7186.4	7172.8
0°	6278.6	6428.2	6604.9	6752.9	6888.3	6988.6	7104.8	7216.2	7208.2	7187.5	7163.7
-2.5°	6296.5	6448.0	6628.4	6751.0	6903.7	6995.5	7115.6	7212.2	7208.4	7198.2	7186.3
-5°	6312.4	6482.9	6651.6	6780.6	6933.6	7053.7	7173.1	7248.5	7252.6	7238.4	7218.5
-7.5°	6322.1	6511.1	6672.1	6801.7	6950.0	7089.7	7210.8	7290.0	7291.7	7272.8	7249.0
-10°	6318.9	6518.4	6684.1	6818.0	6969.9	7107.8	7234.5	7334.9	7331.6	7313.7	7293.3
-12.5°	6306.9	6506.3	6676.4	6810.7	6983.2	7125.2	7267.6	7367.5	7372.8	7359.4	7337.4
-15°	6280.7	6486.5	6652.0	6798.7	6967.7	7133.7	7280.0	7390.3	7409.9	7398.9	7381.5
-17.5°	6228.9	6446.0	6621.5	6779.6	6941.8	7118.8	7285.2	7405.7	7432.6	7428.2	7413.8
-20°	6160.7	6384.8	6563.0	6728.7	6905.2	7087.5	7281.2	7391.3	7430.3	7432.8	7423.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6084.3	6303.7	6492.7	6655.6	6847.0	7031.5	7206.9	7335.8	7401.3	7413.5	7414.3
-25°	5992.6	6218.1	6405.8	6579.3	6757.3	6947.9	7125.1	7269.1	7335.5	7367.2	7377.0
-27.5°	5863.1	6096.1	6280.9	6464.1	6645.3	6842.2	7028.4	7184.9	7239.0	7282.6	7300.1
-30°	5711.3	5941.8	6130.2	6297.7	6504.9	6705.6	6897.9	7034.4	7115.9	7165.8	7193.1
-32.5°	5536.8	5769.5	5967.2	6142.2	6339.1	6539.8	6720.6	6864.7	6977.0	7034.6	7063.7
-35°	5347.6	5585.1	5792.1	5976.4	6161.9	6353.1	6540.5	6691.2	6819.2	6868.6	6905.2
-37.5°	5119.3	5381.3	5593.6	5783.7	5959.9	6139.7	6334.8	6507.2	6631.4	6679.4	6717.9
-40°	4885.3	5138.5	5352.6	5555.4	5729.6	5925.9	6113.9	6294.4	6402.3	6458.2	6501.8
-42.5°	4638.3	4867.0	5070.6	5267.6	5461.6	5663.6	5851.5	6039.1	6132.4	6199.8	6253.3
-45°	4353.1	4565.9	4763.7	4948.1	5148.0	5346.7	5534.7	5700.5	5811.5	5899.3	5967.6
-47.5°	3972.8	4232.1	4430.7	4606.0	4804.3	4996.0	5178.1	5334.1	5455.8	5558.5	5637.8
-50°	3586.6	3835.4	4059.5	4256.4	4440.4	4617.6	4791.0	4943.6	5072.4	5183.7	5264.0
-52.5°	3206.3	3439.4	3661.7	3865.1	4041.9	4209.3	4367.9	4521.4	4657.1	4776.2	4853.9
-55°	2776.5	3018.1	3238.0	3427.6	3604.3	3769.7	3926.3	4071.8	4205.5	4326.7	4401.2
-57.5°	2373.4	2585.3	2789.9	2964.9	3131.7	3289.2	3437.7	3577.0	3705.7	3819.8	3891.6
-60°	2002.8	2157.3	2333.4	2495.0	2642.8	2776.9	2915.5	3045.4	3163.6	3263.8	3330.8
-62.5°	1675.3	1803.3	1930.4	2053.3	2173.2	2293.7	2409.7	2517.4	2616.2	2698.4	2757.0
-65°	1383.4	1486.3	1578.2	1665.4	1748.4	1843.4	1931.6	2014.6	2091.4	2154.4	2199.1
-67.5°	1139.2	1211.5	1275.0	1334.8	1400.3	1467.4	1530.4	1585.2	1632.1	1669.4	1698.9
-70°	918.7	971.9	1019.8	1067.5	1115.3	1158.9	1200.5	1240.9	1279.2	1310.5	1333.9
-72.5°	719.5	755.8	788.4	825.1	859.5	892.7	921.5	944.7	962.8	980.4	995.7
-75°	548.5	575.8	612.6	643.7	669.4	692.1	713.0	731.5	747.8	762.3	775.0
-77.5°	441.1	464.3	487.8	510.5	532.5	548.8	563.9	579.0	593.9	606.7	618.0
-80°	326.9	344.2	362.3	380.6	398.7	407.7	414.9	421.6	427.5	435.1	442.2
-82.5°	199.9	209.7	219.8	230.0	240.1	242.7	243.6	243.4	242.0	239.3	235.1
-85°	89.0	89.5	89.2	88.2	86.5	83.0	78.7	73.7	68.1	67.2	66.2
-87.5°	19.6	19.2	18.6	18.0	17.3	17.3	17.2	17.1	16.9	17.5	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: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	0.9	0.0	0.9	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.4	1.6	1.6
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.9
62.5°	2.9	3.1	3.2	3.2	3.2	3.1	2.9	2.8	2.7	2.8	3.1
60°	5.8	3.8	3.2	3.2	3.2	3.8	5.8	7.3	8.3	9.1	9.0
57.5°	35.2	26.3	22.3	20.7	22.3	26.3	35.2	41.6	44.8	136.4	165.6
55°	860.3	904.1	936.8	952.0	936.8	904.1	860.3	784.8	679.4	637.6	650.4
52.5°	1194.5	1213.6	1224.6	1224.2	1224.6	1213.6	1194.5	1174.0	1150.7	1111.6	1074.9
50°	1331.5	1340.7	1344.0	1342.0	1344.0	1340.7	1331.5	1317.1	1308.6	1290.8	1225.4
47.5°	1966.7	1796.5	1671.3	1641.3	1671.3	1796.5	1966.7	2043.7	1959.4	1787.8	1593.3
45°	2801.0	2865.6	2929.8	2949.8	2929.8	2865.6	2801.0	2771.6	2710.4	2635.8	2558.6
42.5°	3089.9	3110.9	3122.9	3123.4	3122.9	3110.9	3089.9	3062.5	2997.6	2916.3	2816.0
40°	3227.8	3247.6	3259.2	3260.3	3259.2	3247.6	3227.8	3200.6	3151.8	3080.4	2988.6
37.5°	3353.1	3369.9	3381.1	3392.4	3381.1	3369.9	3353.1	3345.2	3338.7	3266.1	3211.4
35°	3919.0	3790.8	3606.4	3634.4	3606.4	3790.8	3919.0	3933.8	3824.2	3620.4	3718.2
32.5°	4892.1	4945.9	4979.6	5036.9	4979.6	4945.9	4892.1	4842.4	4874.2	4762.8	4522.8
30°	5341.0	5358.8	5385.8	5414.1	5385.8	5358.8	5341.0	5326.8	5317.8	5188.0	5043.1
27.5°	5453.0	5471.4	5487.8	5500.1	5487.8	5471.4	5453.0	5442.5	5422.6	5341.2	5218.0
25°	5511.7	5523.2	5540.6	5555.8	5540.6	5523.2	5511.7	5509.4	5493.4	5443.1	5344.2
22.5°	5540.8	5542.0	5555.6	5574.9	5555.6	5542.0	5540.8	5545.4	5537.4	5515.5	5407.9
20°	5560.7	5549.9	5564.0	5576.5	5564.0	5549.9	5560.7	5568.0	5565.8	5566.3	5476.7
17.5°	5815.3	5670.1	5610.4	5611.5	5610.4	5670.1	5815.3	5670.4	5773.1	5820.5	5796.7
15°	6636.3	6690.8	6899.6	7012.4	6899.6	6690.8	6636.3	6792.6	6653.4	6685.8	6562.0
12.5°	7166.1	7146.7	7121.9	7155.7	7121.9	7146.7	7166.1	7171.1	7198.5	7213.2	7175.9
10°	7190.6	7188.4	7144.3	7192.3	7144.3	7188.4	7190.6	7205.4	7240.3	7265.0	7222.3
7.5°	7175.5	7176.9	7158.1	7205.1	7158.1	7176.9	7175.5	7214.8	7238.8	7253.2	7209.7
5°	7185.5	7153.2	7165.5	7192.3	7165.5	7153.2	7185.5	7189.3	7212.7	7229.9	7204.3
2.5°	7157.7	7154.4	7130.5	7149.3	7130.5	7154.4	7157.7	7172.8	7186.4	7194.0	7194.1
0°	7136.6	7119.1	7119.1	7135.0	7119.1	7119.1	7136.6	7163.7	7187.5	7208.2	7216.2
-2.5°	7174.3	7170.6	7168.3	7157.3	7168.3	7170.6	7174.3	7186.3	7198.2	7208.4	7212.2
-5°	7205.2	7195.8	7169.7	7205.1	7169.7	7195.8	7205.2	7218.5	7238.4	7252.6	7248.5
-7.5°	7238.5	7214.3	7189.6	7244.9	7189.6	7214.3	7238.5	7249.0	7272.8	7291.7	7290.0
-10°	7268.9	7234.0	7209.9	7264.0	7209.9	7234.0	7268.9	7293.3	7313.7	7331.6	7334.9
-12.5°	7309.1	7268.3	7252.1	7281.5	7252.1	7268.3	7309.1	7337.4	7359.4	7372.8	7367.5
-15°	7351.9	7323.7	7319.9	7337.2	7319.9	7323.7	7351.9	7381.5	7398.9	7409.9	7390.3
-17.5°	7389.6	7369.7	7379.6	7399.3	7379.6	7369.7	7389.6	7413.8	7428.2	7432.6	7405.7
-20°	7407.6	7396.5	7407.5	7456.6	7407.5	7396.5	7407.6	7423.0	7432.8	7430.3	7391.3



REPORT NUMBER: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7406.1	7406.8	7426.2	7442.3	7426.2	7406.8	7406.1	7414.3	7413.5	7401.3	7335.8
-25°	7377.8	7392.7	7415.0	7447.0	7415.0	7392.7	7377.8	7377.0	7367.2	7335.5	7269.1
-27.5°	7309.6	7334.4	7357.7	7391.3	7357.7	7334.4	7309.6	7300.1	7282.6	7239.0	7184.9
-30°	7211.1	7240.5	7261.3	7297.4	7261.3	7240.5	7211.1	7193.1	7165.8	7115.9	7034.4
-32.5°	7091.2	7124.4	7149.1	7174.8	7149.1	7124.4	7091.2	7063.7	7034.6	6977.0	6864.7
-35°	6941.3	6977.1	7003.3	7026.8	7003.3	6977.1	6941.3	6905.2	6868.6	6819.2	6691.2
-37.5°	6761.2	6799.8	6829.7	6856.4	6829.7	6799.8	6761.2	6717.9	6679.4	6631.4	6507.2
-40°	6551.3	6590.9	6622.8	6652.7	6622.8	6590.9	6551.3	6501.8	6458.2	6402.3	6294.4
-42.5°	6306.0	6346.0	6378.9	6409.1	6378.9	6346.0	6306.0	6253.3	6199.8	6132.4	6039.1
-45°	6022.7	6063.9	6098.6	6130.5	6098.6	6063.9	6022.7	5967.6	5899.3	5811.5	5700.5
-47.5°	5696.3	5740.4	5770.1	5785.1	5770.1	5740.4	5696.3	5637.8	5558.5	5455.8	5334.1
-50°	5322.3	5366.4	5402.1	5428.5	5402.1	5366.4	5322.3	5264.0	5183.7	5072.4	4943.6
-52.5°	4910.6	4952.5	4983.2	5001.8	4983.2	4952.5	4910.6	4853.9	4776.2	4657.1	4521.4
-55°	4459.9	4503.8	4532.9	4546.5	4532.9	4503.8	4459.9	4401.2	4326.7	4205.5	4071.8
-57.5°	3948.5	3990.3	4021.2	4038.7	4021.2	3990.3	3948.5	3891.6	3819.8	3705.7	3577.0
-60°	3382.9	3420.2	3443.7	3452.9	3443.7	3420.2	3382.9	3330.8	3263.8	3163.6	3045.4
-62.5°	2804.4	2839.7	2861.7	2870.2	2861.7	2839.7	2804.4	2757.0	2698.4	2616.2	2517.4
-65°	2232.4	2254.5	2266.7	2268.5	2266.7	2254.5	2232.4	2199.1	2154.4	2091.4	2014.6
-67.5°	1722.2	1739.0	1749.3	1752.7	1749.3	1739.0	1722.2	1698.9	1669.4	1632.1	1585.2
-70°	1351.3	1362.9	1369.5	1370.6	1369.5	1362.9	1351.3	1333.9	1310.5	1279.2	1240.9
-72.5°	1007.5	1015.8	1012.9	1006.1	1012.9	1015.8	1007.5	995.7	980.4	962.8	944.7
-75°	785.9	795.1	791.3	784.8	791.3	795.1	785.9	775.0	762.3	747.8	731.5
-77.5°	627.9	636.3	632.1	625.6	632.1	636.3	627.9	618.0	606.7	593.9	579.0
-80°	448.4	453.3	456.8	458.5	456.8	453.3	448.4	442.2	435.1	427.5	421.6
-82.5°	229.5	222.8	218.5	213.3	218.5	222.8	229.5	235.1	239.3	242.0	243.4
-85°	64.9	63.4	64.4	65.3	64.4	63.4	64.9	66.2	67.2	68.1	73.7
-87.5°	18.5	19.0	19.1	19.1	19.1	19.0	18.5	18.0	17.5	16.9	17.1
-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: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-VSR-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°	0.8	1.1	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6	2.0
65°	2.0	1.9	2.0	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.1
62.5°	3.2	3.4	3.5	3.5	3.6	4.5	4.0	4.0	3.8	4.6	6.2
60°	7.7	6.0	9.1	10.1	8.7	14.8	25.0	22.5	6.7	36.1	41.6
57.5°	105.4	87.5	183.3	182.7	76.5	103.3	138.4	91.1	59.6	102.1	134.9
55°	734.6	672.8	584.9	575.6	606.0	460.4	384.9	370.4	289.9	188.5	223.9
52.5°	1035.6	974.0	914.0	858.3	812.5	763.5	691.6	613.8	588.9	474.2	365.6
50°	1171.9	1231.8	1172.8	1028.5	1054.1	984.5	883.1	800.5	817.4	747.2	602.5
47.5°	1589.1	1662.2	1664.1	1578.0	1482.2	1452.7	1304.0	1045.7	1063.1	1060.1	906.7
45°	2326.6	2224.6	2262.6	2141.7	1972.6	1879.1	1874.0	1597.7	1341.9	1300.3	1285.5
42.5°	2730.7	2655.2	2577.1	2486.9	2337.3	2188.1	2096.1	1940.7	1734.9	1552.8	1488.2
40°	2894.2	2806.1	2733.1	2658.5	2538.0	2385.2	2311.1	2107.1	1952.4	1794.8	1742.3
37.5°	3091.6	2924.6	2989.8	2848.6	2736.8	2699.6	2642.1	2429.7	2087.0	2058.2	2031.6
35°	3532.6	3376.4	3526.7	3500.1	3055.1	3104.6	3142.8	2881.8	2523.0	2328.4	2332.6
32.5°	4538.7	4178.7	4068.8	4203.5	3969.5	3581.0	3586.7	3507.3	3017.4	2734.3	2610.4
30°	4903.1	4743.1	4569.9	4546.5	4372.3	4147.6	4004.9	3813.9	3457.4	3134.3	2922.0
27.5°	5060.2	4915.1	4769.3	4656.8	4555.9	4403.4	4217.2	3992.8	3739.3	3449.7	3243.4
25°	5172.4	5009.9	4884.1	4759.9	4651.4	4535.9	4345.6	4127.1	3890.5	3657.1	3435.6
22.5°	5262.5	5111.0	4975.7	4842.0	4754.0	4629.8	4458.9	4233.2	4074.3	3926.0	3638.0
20°	5361.1	5215.1	5062.6	5069.1	4939.5	4732.1	4567.9	4455.5	4433.7	4266.8	3895.0
17.5°	5789.1	5387.7	5462.2	5603.7	5318.1	4941.8	4883.2	4889.4	4820.4	4665.2	4202.9
15°	6705.8	6126.0	6131.1	6228.6	5918.9	5456.7	5350.0	5336.9	5228.3	5056.5	4528.0
12.5°	6994.5	6800.8	6765.2	6620.3	6316.2	5970.8	5844.4	5775.9	5576.6	5244.4	4761.9
10°	7092.1	6979.8	6830.8	6684.6	6500.0	6361.3	6181.3	5932.2	5649.3	5328.9	4936.2
7.5°	7103.6	6987.2	6867.1	6727.9	6565.9	6403.1	6225.1	5977.6	5704.1	5389.8	5059.1
5°	7096.8	6980.8	6869.5	6736.4	6572.1	6414.2	6253.1	6008.2	5741.1	5429.6	5139.8
2.5°	7079.5	6962.1	6856.1	6735.2	6571.6	6419.4	6270.3	6041.1	5767.6	5462.4	5166.7
0°	7104.8	6988.6	6888.3	6752.9	6604.9	6428.2	6278.6	6074.8	5780.3	5484.2	5176.9
-2.5°	7115.6	6995.5	6903.7	6751.0	6628.4	6448.0	6296.5	6099.6	5804.3	5522.6	5201.5
-5°	7173.1	7053.7	6933.6	6780.6	6651.6	6482.9	6312.4	6109.7	5822.4	5543.5	5212.6
-7.5°	7210.8	7089.7	6950.0	6801.7	6672.1	6511.1	6322.1	6110.6	5838.9	5543.1	5218.0
-10°	7234.5	7107.8	6969.9	6818.0	6684.1	6518.4	6318.9	6105.4	5835.6	5530.2	5206.3
-12.5°	7267.6	7125.2	6983.2	6810.7	6676.4	6506.3	6306.9	6093.2	5810.6	5506.0	5176.5
-15°	7280.0	7133.7	6967.7	6798.7	6652.0	6486.5	6280.7	6057.1	5767.0	5468.6	5127.8
-17.5°	7285.2	7118.8	6941.8	6779.6	6621.5	6446.0	6228.9	5991.0	5711.0	5402.8	5063.6
-20°	7281.2	7087.5	6905.2	6728.7	6563.0	6384.8	6160.7	5925.2	5631.0	5317.4	4980.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-740-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7206.9	7031.5	6847.0	6655.6	6492.7	6303.7	6084.3	5840.5	5527.0	5223.7	4874.6
-25°	7125.1	6947.9	6757.3	6579.3	6405.8	6218.1	5992.6	5716.2	5418.4	5102.9	4746.1
-27.5°	7028.4	6842.2	6645.3	6464.1	6280.9	6096.1	5863.1	5584.6	5297.9	4952.9	4606.5
-30°	6897.9	6705.6	6504.9	6297.7	6130.2	5941.8	5711.3	5440.9	5133.0	4792.4	4462.8
-32.5°	6720.6	6539.8	6339.1	6142.2	5967.2	5769.5	5536.8	5268.4	4945.2	4623.0	4280.1
-35°	6540.5	6353.1	6161.9	5976.4	5792.1	5585.1	5347.6	5055.3	4746.5	4427.4	4071.5
-37.5°	6334.8	6139.7	5959.9	5783.7	5593.6	5381.3	5119.3	4837.0	4535.9	4185.0	3846.3
-40°	6113.9	5925.9	5729.6	5555.4	5352.6	5138.5	4885.3	4610.9	4279.7	3933.0	3614.6
-42.5°	5851.5	5663.6	5461.6	5267.6	5070.6	4867.0	4638.3	4341.4	4013.2	3686.1	3355.4
-45°	5534.7	5346.7	5148.0	4948.1	4763.7	4565.9	4353.1	4036.5	3712.4	3400.7	3083.4
-47.5°	5178.1	4996.0	4804.3	4606.0	4430.7	4232.1	3972.8	3678.3	3391.5	3094.9	2770.1
-50°	4791.0	4617.6	4440.4	4256.4	4059.5	3835.4	3586.6	3329.6	3045.6	2741.1	2444.4
-52.5°	4367.9	4209.3	4041.9	3865.1	3661.7	3439.4	3206.3	2933.5	2650.1	2391.6	2121.8
-55°	3926.3	3769.7	3604.3	3427.6	3238.0	3018.1	2776.5	2528.4	2297.0	2058.0	1852.2
-57.5°	3437.7	3289.2	3131.7	2964.9	2789.9	2585.3	2373.4	2162.9	1979.6	1793.9	1607.1
-60°	2915.5	2776.9	2642.8	2495.0	2333.4	2157.3	2002.8	1847.5	1692.1	1543.8	1393.3
-62.5°	2409.7	2293.7	2173.2	2053.3	1930.4	1803.3	1675.3	1555.4	1432.8	1307.2	1196.4
-65°	1931.6	1843.4	1748.4	1665.4	1578.2	1486.3	1383.4	1289.4	1200.3	1108.3	1014.1
-67.5°	1530.4	1467.4	1400.3	1334.8	1275.0	1211.5	1139.2	1063.2	992.5	924.3	855.0
-70°	1200.5	1158.9	1115.3	1067.5	1019.8	971.9	918.7	862.7	806.0	754.9	706.1
-72.5°	921.5	892.7	859.5	825.1	788.4	755.8	719.5	681.7	643.3	604.6	567.7
-75°	713.0	692.1	669.4	643.7	612.6	575.8	548.5	530.1	506.9	478.7	447.9
-77.5°	563.9	548.8	532.5	510.5	487.8	464.3	441.1	418.3	395.7	374.4	354.8
-80°	414.9	407.7	398.7	380.6	362.3	344.2	326.9	312.9	299.8	285.3	267.5
-82.5°	243.6	242.7	240.1	230.0	219.8	209.7	199.9	190.1	179.7	168.8	157.8
-85°	78.7	83.0	86.5	88.2	89.2	89.5	89.0	86.4	83.4	79.9	76.2
-87.5°	17.2	17.3	17.3	18.0	18.6	19.2	19.6	20.5	21.3	22.0	22.5
-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: P645471 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-VSR-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°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.8	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.5	1.6	1.7
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9
75°	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	2.1	2.5	2.9
72.5°	1.6	1.6	1.6	1.8	2.0	2.1	1.9	1.8	2.2	2.5	2.9
70°	1.8	1.7	1.6	1.9	2.3	2.6	2.5	2.5	2.2	2.6	3.0
67.5°	2.4	2.4	2.2	2.2	2.3	2.7	3.1	3.6	3.6	2.7	3.0
65°	2.4	2.8	3.3	4.5	4.0	2.8	3.2	6.3	5.0	4.2	3.0
62.5°	5.3	2.9	10.1	13.5	7.6	5.9	4.8	13.9	8.7	5.9	4.3
60°	12.5	10.3	28.1	45.0	31.4	10.6	15.5	24.1	22.1	7.7	6.0
57.5°	116.8	40.1	58.2	84.1	82.6	44.8	32.7	43.6	37.6	21.7	8.5
55°	249.2	209.7	138.5	126.8	137.0	110.6	72.0	70.6	58.0	40.2	13.8
52.5°	341.9	356.8	310.6	217.0	189.0	180.0	140.6	102.5	91.0	60.3	34.9
50°	494.9	460.9	456.3	383.1	265.0	239.8	207.6	160.1	127.6	86.2	59.0
47.5°	699.2	614.2	569.1	536.2	422.7	305.7	272.3	218.9	168.1	124.2	84.2
45°	999.2	793.8	706.7	653.3	579.3	430.0	340.8	276.0	219.1	166.7	110.5
42.5°	1300.5	1026.4	863.7	777.5	700.6	570.2	414.0	341.9	268.8	210.0	144.0
40°	1566.3	1266.2	1028.9	918.0	819.6	705.7	532.6	412.4	317.4	254.6	182.0
37.5°	1886.5	1539.2	1218.9	1065.2	946.5	818.9	652.8	486.1	376.0	301.3	220.2
35°	2196.2	1892.7	1431.5	1243.1	1087.7	935.0	768.7	573.1	447.9	348.8	258.3
32.5°	2528.7	2225.1	1752.6	1441.7	1233.9	1053.6	877.0	678.9	520.2	396.9	296.3
30°	2790.5	2443.9	2034.4	1640.5	1392.9	1185.9	985.1	780.5	592.6	445.4	334.6
27.5°	2929.3	2633.2	2256.8	1862.1	1572.0	1321.6	1096.5	877.5	665.0	498.7	374.5
25°	3072.9	2766.6	2415.8	2055.7	1748.7	1465.3	1207.5	970.0	744.0	558.8	414.0
22.5°	3244.6	2880.0	2549.8	2209.2	1931.0	1610.9	1323.9	1063.7	823.0	617.8	452.9
20°	3417.0	2985.3	2682.1	2418.1	2109.9	1768.5	1445.5	1155.1	897.5	675.2	490.9
17.5°	3598.0	3176.6	2906.6	2621.9	2288.2	1921.2	1565.4	1243.6	967.5	730.8	527.9
15°	3912.9	3462.9	3132.8	2820.2	2465.6	2068.0	1682.3	1328.6	1032.7	784.2	562.2
12.5°	4198.9	3729.4	3359.2	3012.0	2640.1	2208.1	1795.2	1409.5	1093.1	826.8	592.8
10°	4435.5	3976.6	3582.9	3196.1	2809.5	2340.3	1902.7	1475.5	1129.4	858.5	621.0
7.5°	4629.3	4205.0	3801.1	3371.3	2955.0	2426.7	1957.0	1513.9	1157.4	885.6	646.8
5°	4769.3	4357.4	3917.0	3432.3	3000.5	2462.2	1993.8	1545.2	1180.1	908.1	669.9
2.5°	4809.7	4404.3	3960.5	3465.7	3031.2	2485.2	2020.2	1569.2	1197.5	926.5	690.5
0°	4833.1	4435.1	3987.8	3486.3	3046.9	2496.1	2036.1	1585.6	1209.9	940.8	708.4
-2.5°	4865.9	4461.7	4014.1	3539.1	3057.4	2529.5	2045.1	1596.3	1225.5	946.0	718.8
-5°	4882.3	4472.1	4026.7	3574.6	3054.7	2549.4	2044.0	1599.7	1235.6	947.7	726.5
-7.5°	4875.1	4468.6	4027.2	3585.8	3040.9	2554.0	2032.9	1596.1	1239.7	946.4	731.2
-10°	4853.1	4450.4	4011.8	3557.0	3028.1	2536.0	2013.0	1585.9	1237.3	942.4	733.0
-12.5°	4819.7	4416.6	3980.4	3515.6	3001.6	2498.8	1989.7	1568.5	1227.3	935.8	731.8
-15°	4776.3	4367.3	3932.6	3463.0	2958.0	2449.3	1954.7	1543.3	1207.8	928.4	727.5
-17.5°	4720.7	4303.1	3868.3	3400.5	2896.6	2388.0	1907.6	1510.4	1183.5	919.4	718.8
-20°	4621.3	4216.8	3786.6	3329.5	2816.9	2315.3	1848.3	1469.9	1154.5	906.6	706.2



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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°	4509.7	4110.0	3684.6	3233.7	2720.9	2231.7	1776.7	1421.8	1121.1	889.8	691.2
-25°	4390.6	3989.7	3566.1	3101.2	2614.8	2143.4	1704.9	1366.1	1083.5	869.2	673.7
-27.5°	4250.8	3853.5	3431.9	2955.2	2491.7	2040.9	1636.1	1316.7	1047.1	844.5	653.9
-30°	4093.6	3693.3	3264.1	2799.5	2356.7	1922.4	1558.9	1264.0	1016.3	817.6	631.8
-32.5°	3913.4	3516.8	3078.2	2640.0	2214.0	1796.6	1473.7	1207.6	980.7	789.0	611.4
-35°	3708.3	3311.5	2881.2	2468.9	2062.9	1695.1	1390.5	1147.7	940.3	758.1	589.8
-37.5°	3494.7	3091.2	2684.1	2290.1	1902.3	1585.1	1315.5	1088.6	895.3	725.0	566.0
-40°	3250.9	2864.5	2477.3	2106.0	1763.2	1467.0	1234.5	1030.3	852.7	689.8	539.9
-42.5°	2999.7	2626.6	2261.6	1911.1	1626.0	1370.9	1149.6	967.5	807.7	655.7	511.7
-45°	2728.8	2375.6	2032.3	1746.8	1486.4	1269.1	1075.2	902.4	759.7	620.9	482.5
-47.5°	2443.0	2110.9	1823.8	1575.7	1367.7	1166.8	996.2	846.1	709.4	583.6	453.2
-50°	2140.3	1864.4	1631.8	1427.0	1239.8	1074.6	917.4	787.1	663.2	542.3	422.6
-52.5°	1872.0	1651.0	1458.5	1283.3	1127.0	977.7	849.5	726.7	615.6	502.8	390.5
-55°	1642.2	1461.0	1298.6	1152.7	1015.1	894.7	779.1	673.0	566.7	463.3	358.1
-57.5°	1443.7	1285.4	1155.4	1028.7	915.0	812.3	714.9	618.1	519.9	422.3	332.4
-60°	1253.1	1134.8	1019.1	917.3	821.1	734.0	654.3	563.2	472.6	381.4	303.9
-62.5°	1088.4	987.5	900.0	811.2	731.3	660.3	593.3	509.5	423.9	343.5	272.9
-65°	934.0	856.5	782.0	711.2	644.9	584.7	530.5	454.6	375.2	303.3	240.7
-67.5°	787.4	729.0	670.6	611.1	558.9	510.2	463.9	395.2	324.2	261.0	208.9
-70°	656.5	606.6	560.8	516.6	474.3	433.7	390.0	332.0	271.0	223.1	176.2
-72.5°	532.9	496.4	458.4	422.1	390.8	355.1	314.9	269.7	226.9	184.5	142.8
-75°	418.4	394.4	367.6	338.8	309.6	277.7	251.1	219.5	182.2	145.3	115.1
-77.5°	334.8	311.3	284.5	261.5	242.0	220.1	196.0	168.6	138.9	113.0	89.0
-80°	247.0	229.0	213.8	200.6	182.5	162.6	142.6	122.6	101.0	80.9	62.4
-82.5°	150.6	146.7	142.5	136.3	121.3	106.5	92.0	77.8	62.5	48.3	40.0
-85°	75.3	73.8	71.5	68.3	59.1	50.0	45.8	41.6	36.5	31.5	26.8
-87.5°	24.7	26.6	28.1	29.2	27.1	25.0	22.9	20.8	18.3	15.8	13.4
-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°	0.8	0.7	0.6	0.4	0.3	0.2	0.0
85°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
82.5°	2.5	2.1	1.7	1.2	0.8	0.5	0.0
80°	3.2	2.8	2.2	1.7	1.1	0.7	0.0
77.5°	3.2	3.2	2.8	2.1	1.4	0.9	0.0
75°	3.2	3.3	3.2	2.5	1.7	1.0	0.0
72.5°	3.3	3.4	3.4	2.9	2.0	1.2	0.0
70°	3.4	3.6	3.5	3.2	2.3	1.4	0.0
67.5°	3.8	3.7	3.7	3.4	2.5	1.6	0.0
65°	4.3	4.2	3.8	3.5	2.8	1.7	0.0
62.5°	5.0	5.3	4.0	3.7	3.1	1.9	0.0
60°	5.9	6.4	4.2	3.9	3.4	2.1	0.0
57.5°	10.9	7.7	5.4	4.0	3.6	2.2	0.0
55°	17.4	9.0	6.8	4.2	3.8	2.4	0.0
52.5°	24.9	11.6	8.1	4.4	3.9	2.5	0.0
50°	33.6	19.8	9.6	4.6	4.1	2.7	0.0
47.5°	45.2	28.6	11.1	5.0	4.3	2.8	0.0
45°	68.1	38.0	12.7	6.2	4.5	3.0	0.0
42.5°	91.7	48.0	14.3	7.4	4.7	3.1	0.0
40°	115.7	58.6	19.3	9.0	4.9	3.3	0.0
37.5°	140.2	69.8	27.6	10.9	5.1	3.4	0.0
35°	165.1	86.7	36.0	13.0	5.3	3.6	0.0
32.5°	192.1	106.3	44.6	15.3	5.5	3.7	0.0
30°	222.9	125.8	53.2	17.8	5.8	3.8	0.0
27.5°	253.2	145.0	63.8	20.5	6.0	3.9	0.0
25°	282.7	163.9	74.7	23.4	6.2	4.0	0.0
22.5°	311.4	183.3	85.5	26.3	6.4	4.2	0.0
20°	339.1	204.0	96.3	29.3	6.6	4.3	0.0
17.5°	366.5	224.0	106.9	32.4	6.8	4.3	0.0
15°	392.8	243.3	117.2	35.5	7.0	4.4	0.0
12.5°	417.4	261.7	127.2	38.6	7.2	4.5	0.0
10°	440.3	279.0	136.7	41.7	7.4	4.6	0.0
7.5°	461.3	295.3	145.7	44.6	7.5	4.7	0.0
5°	480.4	310.2	154.1	47.4	7.7	4.7	0.0
2.5°	497.5	323.8	161.8	50.1	7.9	4.8	0.0
0°	512.6	335.9	168.7	52.5	8.0	4.8	0.0
-2.5°	520.1	343.6	175.1	55.9	9.2	5.1	0.0
-5°	525.6	349.6	180.6	59.1	10.5	5.3	0.0
-7.5°	529.1	354.0	185.0	61.9	11.7	5.6	0.0
-10°	530.7	356.7	188.4	64.3	12.8	5.8	0.0
-12.5°	530.4	357.9	190.7	66.4	13.9	6.0	0.0
-15°	528.3	357.3	191.8	68.1	14.9	6.2	0.0
-17.5°	524.5	355.2	191.6	69.2	15.9	6.4	0.0
-20°	518.5	351.4	190.2	70.0	16.8	6.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	509.8	346.0	187.6	70.2	17.5	6.7	0.0
-25°	499.1	337.7	183.6	69.8	18.2	6.8	0.0
-27.5°	486.4	327.4	178.2	69.0	18.8	6.9	0.0
-30°	471.8	315.6	171.6	67.6	19.3	6.9	0.0
-32.5°	455.1	302.3	163.8	65.6	19.7	6.9	0.0
-35°	437.1	287.8	155.1	63.0	20.0	6.9	0.0
-37.5°	417.8	273.1	145.6	59.9	20.1	6.9	0.0
-40°	396.9	259.9	135.1	56.1	20.1	6.8	0.0
-42.5°	374.6	245.7	127.3	52.1	20.0	6.7	0.0
-45°	350.9	230.6	121.9	48.0	19.8	6.6	0.0
-47.5°	325.9	214.6	115.5	43.3	19.4	6.4	0.0
-50°	305.0	197.7	108.2	41.8	18.9	6.2	0.0
-52.5°	284.0	180.1	99.9	41.0	18.3	6.0	0.0
-55°	262.3	166.7	90.8	39.7	17.6	5.7	0.0
-57.5°	239.7	153.2	80.8	38.0	16.7	5.5	0.0
-60°	216.8	138.3	70.3	35.8	15.8	5.1	0.0
-62.5°	195.9	122.4	65.3	33.3	14.8	4.8	0.0
-65°	173.4	105.3	59.6	30.4	13.8	4.5	0.0
-67.5°	149.6	91.0	53.2	27.1	12.6	4.1	0.0
-70°	124.5	79.7	46.3	23.5	11.4	3.7	0.0
-72.5°	105.3	67.4	38.9	20.7	10.2	3.3	0.0
-75°	86.1	54.5	30.9	18.0	8.8	2.8	0.0
-77.5°	65.9	40.9	25.6	15.2	7.4	2.4	0.0
-80°	45.0	31.2	20.6	12.3	6.0	1.9	0.0
-82.5°	33.1	23.5	15.6	9.3	4.5	1.4	0.0
-85°	22.2	15.8	10.5	6.2	3.0	1.0	0.0
-87.5°	11.1	7.9	5.2	3.1	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)