

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: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645491 (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-SA4E-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

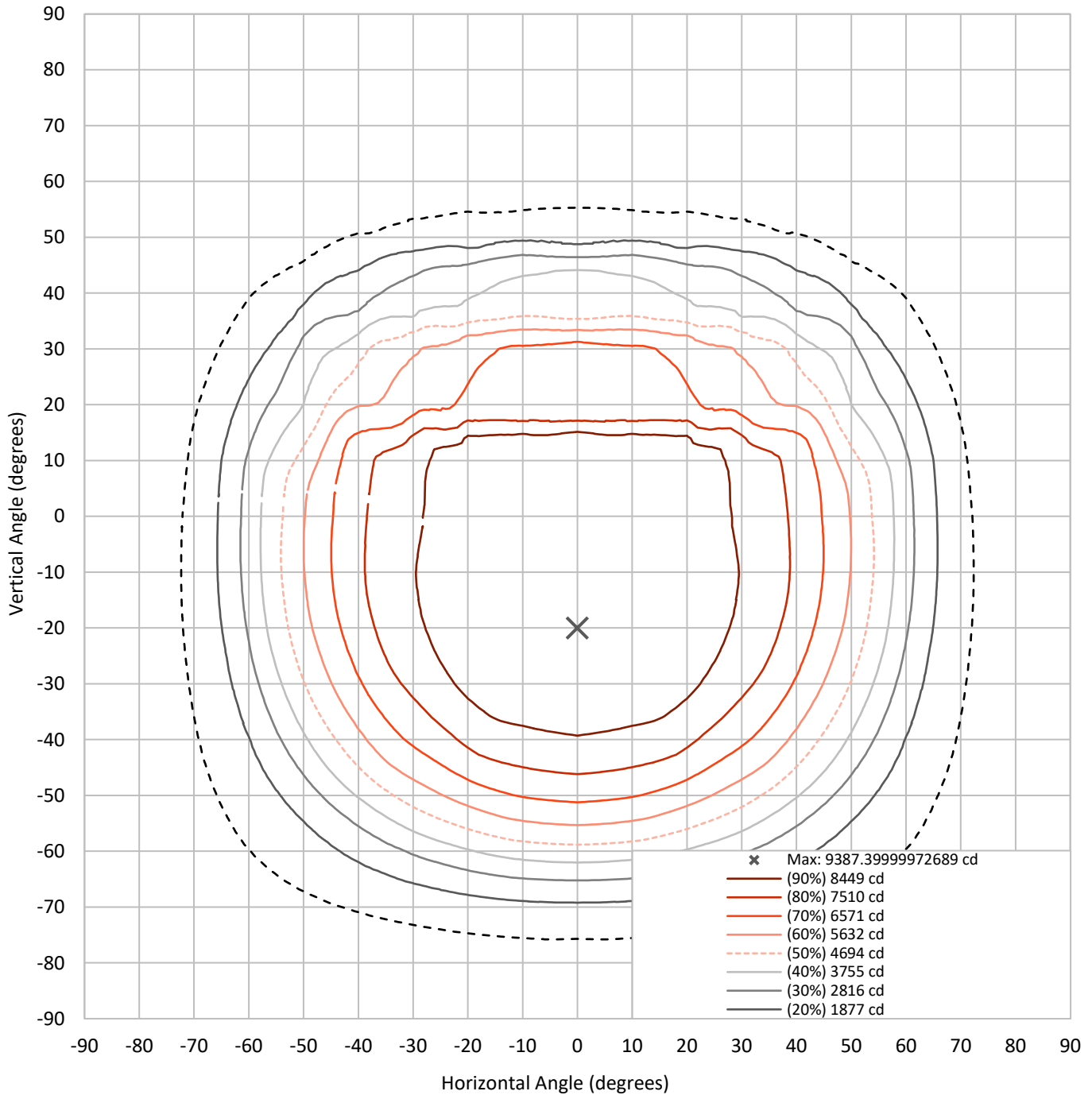
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	22011.7 lumens	Max Intensity:	9387.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	86.0 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	17207.4 lumens	Field Lumens:	21574.5 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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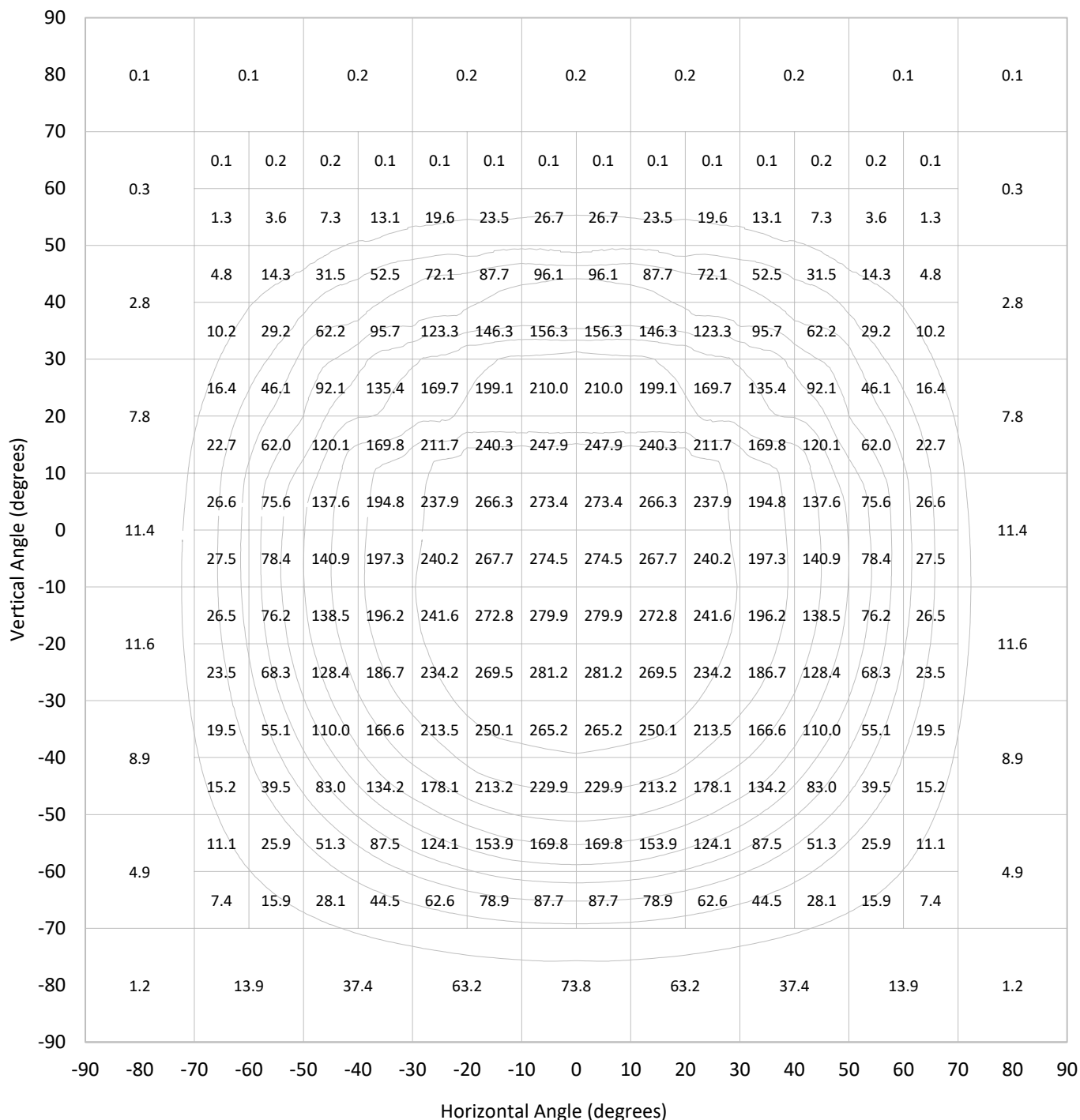
Iso-Candela Plot





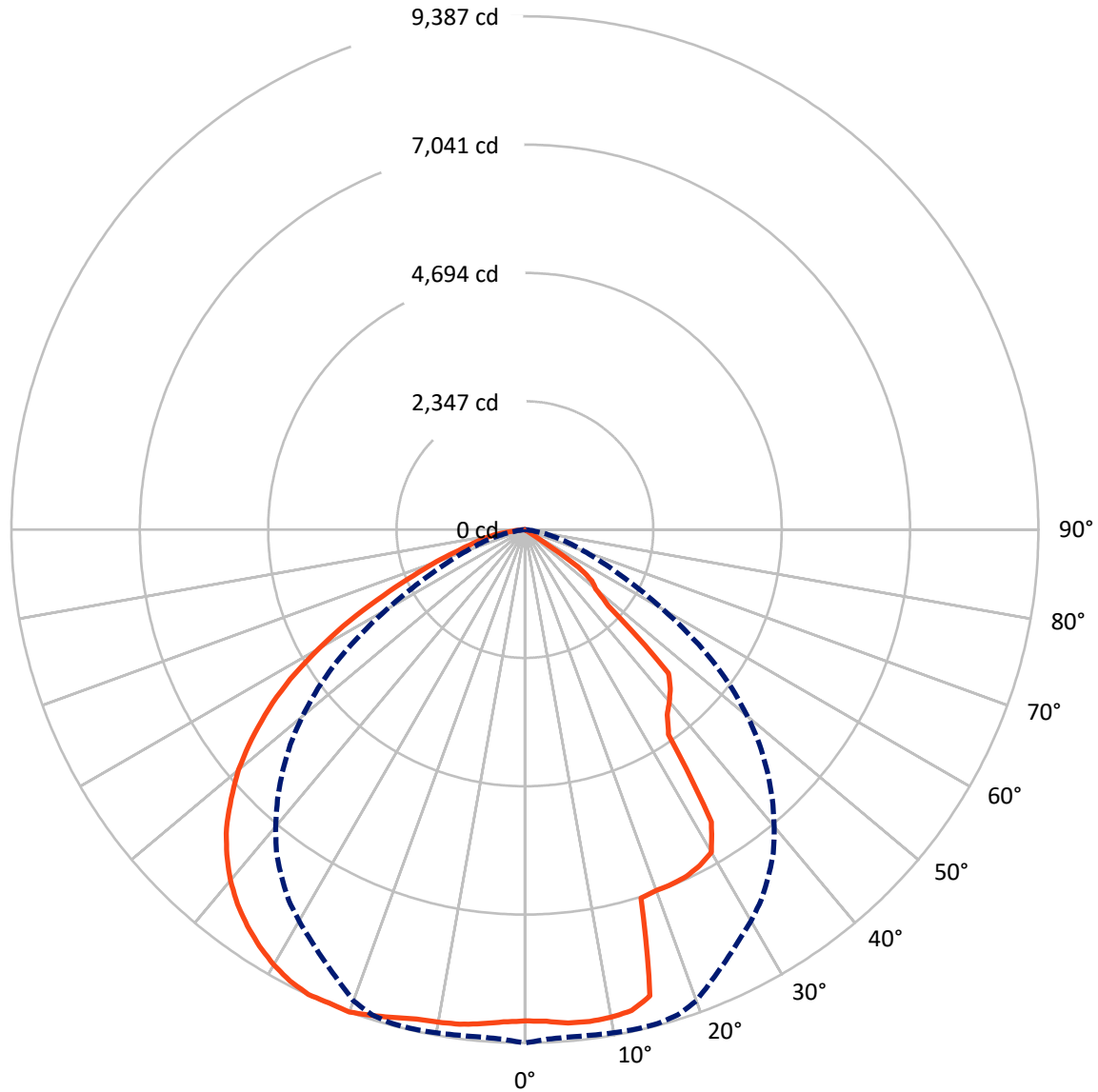
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Lumen Table



REPORT NUMBER: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)
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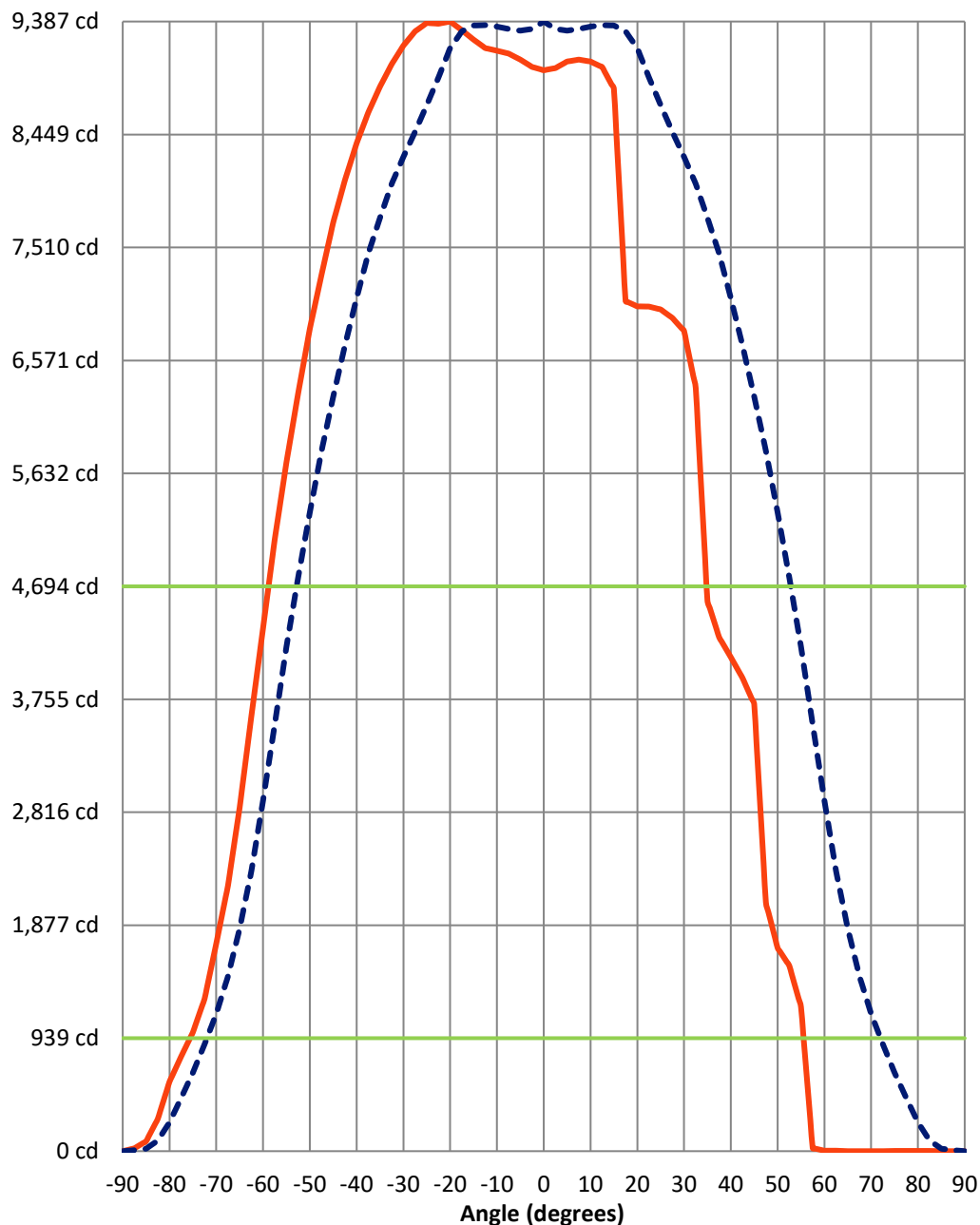
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 17207.4
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 21574.5
 Efficiency: 98.0%

Spill:
 Lumens: 437.1
 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	0.5	0.7	0.9	1.0	1.1	1.0	1.0	0.8
85°	0.0	0.4	0.7	1.0	1.4	1.7	2.1	2.1	2.1	1.9	1.7
82.5°	0.0	0.7	1.0	1.6	2.1	2.6	3.1	3.2	3.0	2.5	2.0
80°	0.0	0.9	1.4	2.1	2.8	3.4	4.0	3.5	3.1	2.6	2.1
77.5°	0.0	1.1	1.7	2.6	3.4	4.0	4.0	3.6	3.1	2.6	2.1
75°	0.0	1.3	2.1	3.1	4.0	4.2	4.1	3.6	3.1	2.6	2.2
72.5°	0.0	1.5	2.5	3.6	4.2	4.3	4.1	3.7	3.2	2.7	2.2
70°	0.0	1.7	2.8	4.0	4.4	4.5	4.2	3.7	3.2	2.8	3.2
67.5°	0.0	1.9	3.2	4.2	4.6	4.6	4.7	3.8	3.3	4.4	4.5
65°	0.0	2.2	3.5	4.4	4.8	5.3	5.4	3.8	5.3	6.2	7.8
62.5°	0.0	2.4	3.9	4.6	5.0	6.6	6.3	5.3	7.4	11.0	17.5
60°	0.0	2.6	4.3	4.8	5.3	8.0	7.4	7.5	9.6	27.8	30.3
57.5°	0.0	2.8	4.5	5.1	6.8	9.6	13.7	10.7	27.2	47.3	54.9
55°	0.0	3.0	4.7	5.3	8.5	11.4	21.8	17.3	50.5	72.9	88.9
52.5°	0.0	3.2	4.9	5.5	10.2	14.6	31.3	43.9	75.8	114.5	128.9
50°	0.0	3.4	5.2	5.7	12.0	24.9	42.2	74.2	108.5	160.6	201.5
47.5°	0.0	3.6	5.4	6.2	14.0	35.9	56.8	105.9	156.3	211.6	275.5
45°	0.0	3.7	5.7	7.8	15.9	47.8	85.7	139.1	209.8	275.8	347.5
42.5°	0.0	3.9	5.9	9.3	18.0	60.4	115.4	181.2	264.3	338.3	430.4
40°	0.0	4.1	6.2	11.2	24.3	73.7	145.6	229.1	320.5	399.6	519.2
37.5°	0.0	4.3	6.4	13.6	34.7	87.8	176.5	277.2	379.3	473.3	611.9
35°	0.0	4.4	6.7	16.3	45.3	109.1	207.8	325.1	439.1	563.8	721.4
32.5°	0.0	4.6	6.9	19.3	56.1	133.8	241.8	373.0	499.7	654.8	854.7
30°	0.0	4.8	7.2	22.4	66.9	158.3	280.7	421.3	560.7	746.1	982.5
27.5°	0.0	4.9	7.5	25.8	80.3	182.6	318.8	471.5	627.8	837.2	1104.7
25°	0.0	5.1	7.7	29.4	94.0	206.4	355.9	521.3	703.5	936.7	1221.2
22.5°	0.0	5.2	8.0	33.1	107.7	230.7	392.0	570.2	777.7	1036.1	1339.1
20°	0.0	5.3	8.2	36.9	121.2	256.8	426.9	618.1	850.0	1129.9	1454.2
17.5°	0.0	5.4	8.5	40.8	134.5	282.1	461.4	664.6	920.0	1218.0	1565.6
15°	0.0	5.5	8.7	44.7	147.5	306.3	494.6	707.9	987.2	1300.1	1672.7
12.5°	0.0	5.6	9.0	48.6	160.1	329.5	525.6	746.4	1040.9	1376.1	1774.6
10°	0.0	5.7	9.2	52.5	172.1	351.3	554.3	781.9	1080.9	1421.8	1857.6
7.5°	0.0	5.8	9.4	56.2	183.5	371.7	580.7	814.3	1114.9	1457.1	1906.0
5°	0.0	5.9	9.6	59.7	194.0	390.6	604.8	843.4	1143.4	1485.7	1945.3
2.5°	0.0	6.0	9.8	63.0	203.7	407.7	626.3	869.3	1166.4	1507.6	1975.4
0°	0.0	6.0	10.0	66.1	212.4	422.9	645.3	891.8	1184.5	1523.2	1996.1
-2.5°	0.0	6.3	11.6	70.4	220.5	432.5	654.8	904.9	1191.0	1542.8	2009.6
-5°	0.0	6.7	13.1	74.4	227.4	440.1	661.7	914.6	1193.2	1555.6	2013.9
-7.5°	0.0	7.0	14.6	77.9	233.0	445.7	666.1	920.6	1191.6	1560.8	2009.4
-10°	0.0	7.3	16.1	81.0	237.2	449.1	668.1	922.8	1186.5	1557.7	1996.7
-12.5°	0.0	7.5	17.4	83.6	240.1	450.6	667.7	921.3	1178.2	1545.2	1974.7
-15°	0.0	7.8	18.7	85.7	241.4	449.9	665.1	915.9	1168.9	1520.7	1943.0
-17.5°	0.0	8.0	19.9	87.2	241.3	447.2	660.3	904.9	1157.5	1490.0	1901.6
-20°	0.0	8.2	21.1	88.1	239.5	442.5	652.7	889.1	1141.4	1453.6	1850.6



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 CATALOG NUMBER: GFLD-SA4E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.4	22.1	88.3	236.1	435.7	641.8	870.2	1120.3	1411.5	1790.0
-25°	0.0	8.5	22.9	87.9	231.1	425.2	628.4	848.2	1094.2	1364.1	1719.8
-27.5°	0.0	8.6	23.7	86.8	224.4	412.2	612.4	823.2	1063.2	1318.2	1657.7
-30°	0.0	8.7	24.3	85.1	216.0	397.3	593.9	795.4	1029.3	1279.5	1591.3
-32.5°	0.0	8.7	24.8	82.6	206.2	380.7	573.0	769.6	993.3	1234.6	1520.3
-35°	0.0	8.7	25.1	79.3	195.3	362.3	550.3	742.5	954.4	1183.8	1445.0
-37.5°	0.0	8.6	25.3	75.4	183.2	343.9	526.0	712.5	912.7	1127.1	1370.6
-40°	0.0	8.5	25.3	70.7	170.1	327.2	499.7	679.8	868.3	1073.5	1297.1
-42.5°	0.0	8.4	25.2	65.6	160.2	309.3	471.7	644.2	825.5	1016.8	1218.1
-45°	0.0	8.2	24.9	60.5	153.4	290.3	441.9	607.5	781.7	956.4	1136.1
-47.5°	0.0	8.0	24.4	54.6	145.4	270.1	410.4	570.7	734.7	893.1	1065.2
-50°	0.0	7.8	23.8	52.6	136.2	248.9	384.0	532.1	682.8	834.9	991.0
-52.5°	0.0	7.5	23.0	51.6	125.8	226.7	357.6	491.7	633.1	775.1	914.8
-55°	0.0	7.2	22.1	50.0	114.3	209.9	330.2	450.9	583.3	713.5	847.2
-57.5°	0.0	6.8	21.0	47.8	101.7	192.8	301.8	418.5	531.8	654.6	778.2
-60°	0.0	6.5	19.8	45.1	88.5	174.2	272.9	382.6	480.2	595.0	709.1
-62.5°	0.0	6.0	18.6	41.9	82.2	154.1	246.6	343.6	432.4	533.8	641.5
-65°	0.0	5.6	17.3	38.2	75.0	132.6	218.4	303.1	381.8	472.3	572.3
-67.5°	0.0	5.1	15.9	34.1	67.0	114.6	188.4	263.0	328.6	408.2	497.6
-70°	0.0	4.6	14.4	29.6	58.3	100.3	156.7	221.8	280.9	341.1	418.0
-72.5°	0.0	4.1	12.8	26.0	48.9	84.9	132.6	179.9	232.3	285.6	339.5
-75°	0.0	3.6	11.1	22.6	38.9	68.6	108.4	144.9	182.9	229.3	276.3
-77.5°	0.0	3.0	9.3	19.1	32.1	51.4	83.0	112.0	142.2	174.9	212.2
-80°	0.0	2.4	7.5	15.4	26.0	39.2	56.6	78.5	101.8	127.2	154.3
-82.5°	0.0	1.8	5.7	11.6	19.6	29.6	41.6	50.4	60.8	78.7	97.9
-85°	0.0	1.2	3.8	7.8	13.2	19.9	27.9	33.7	39.7	45.9	52.4
-87.5°	0.0	0.6	1.9	3.9	6.6	10.0	14.0	16.9	19.9	23.0	26.2
-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-SA4E-730-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°	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6
85°	1.8	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.3	2.6	2.5	2.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	3.1	3.2	2.8	2.3	2.0	2.1	2.3	2.2	2.0	2.0	2.0
67.5°	3.9	3.4	2.9	2.7	2.8	3.0	2.9	2.5	2.0	2.0	2.1
65°	3.9	3.5	5.0	5.7	4.2	3.5	3.1	2.6	2.7	2.9	2.9
62.5°	6.0	7.5	9.5	16.9	12.7	3.7	6.6	7.8	5.7	4.7	5.1
60°	19.5	13.3	39.5	56.6	35.3	12.9	15.7	52.3	45.4	8.4	28.3
57.5°	41.1	56.4	104.0	105.9	73.2	50.5	147.0	169.8	128.5	75.0	114.7
55°	90.6	139.2	172.5	159.6	174.3	264.1	313.8	281.9	237.3	365.0	466.3
52.5°	177.0	226.6	237.9	273.1	391.0	449.3	430.5	460.4	597.0	741.4	772.7
50°	261.3	301.9	333.5	482.2	574.5	580.3	623.1	758.5	940.7	1029.1	1007.7
47.5°	342.8	384.9	532.2	675.1	716.5	773.3	880.2	1141.5	1334.6	1338.4	1316.6
45°	429.0	541.2	729.3	822.5	889.7	999.4	1257.9	1618.4	1637.1	1689.4	2011.5
42.5°	521.1	717.9	881.9	978.9	1087.4	1292.2	1637.2	1873.7	1955.0	2184.2	2443.2
40°	670.4	888.5	1031.9	1155.8	1295.3	1594.1	1972.0	2193.5	2259.6	2458.0	2652.7
37.5°	821.8	1031.0	1191.6	1341.1	1534.5	1937.8	2375.0	2557.7	2591.1	2627.4	3058.9
35°	967.7	1177.1	1369.4	1565.0	1802.2	2382.8	2764.9	2936.7	2931.4	3176.3	3628.1
32.5°	1104.1	1326.4	1553.4	1815.0	2206.5	2801.3	3183.5	3286.4	3442.4	3798.8	4415.5
30°	1240.3	1493.1	1753.6	2065.3	2561.3	3076.8	3513.2	3678.6	3945.9	4352.7	4801.5
27.5°	1380.5	1663.9	1979.0	2344.2	2841.2	3315.2	3687.9	4083.2	4343.0	4707.5	5026.8
25°	1520.2	1844.7	2201.5	2588.1	3041.4	3483.1	3868.6	4325.1	4604.1	4898.0	5195.8
22.5°	1666.7	2028.0	2431.0	2781.3	3210.1	3625.8	4084.7	4580.0	4942.6	5129.4	5329.4
20°	1819.9	2226.4	2656.2	3044.3	3376.7	3758.4	4301.7	4903.5	5371.6	5581.8	5609.2
17.5°	1970.7	2418.6	2880.8	3300.9	3659.3	3999.1	4529.6	5291.2	5873.2	6068.6	6155.5
15°	2118.0	2603.5	3104.1	3550.6	3944.1	4359.6	4926.1	5700.5	6365.9	6582.1	6718.9
12.5°	2260.0	2779.9	3323.8	3792.0	4229.0	4695.1	5286.1	5995.0	6602.4	7020.6	7271.5
10°	2395.4	2946.3	3537.0	4023.7	4510.7	5006.3	5584.0	6214.4	6708.9	7112.2	7468.4
7.5°	2463.7	3055.1	3720.2	4244.3	4785.4	5293.9	5828.0	6369.1	6785.5	7181.2	7525.5
5°	2510.1	3099.8	3777.4	4321.1	4931.3	5485.8	6004.3	6470.7	6835.6	7227.7	7564.0
2.5°	2543.3	3128.7	3816.1	4363.2	4986.1	5544.8	6055.1	6504.7	6876.9	7261.0	7605.4
0°	2563.3	3142.5	3835.9	4389.1	5020.4	5583.6	6084.6	6517.5	6904.3	7277.1	7647.8
-2.5°	2574.6	3184.6	3849.1	4455.6	5053.5	5617.0	6125.9	6548.5	6952.6	7307.4	7679.1
-5°	2573.2	3209.7	3845.6	4500.3	5069.4	5630.1	6146.5	6562.5	6978.9	7330.1	7691.8
-7.5°	2559.2	3215.5	3828.3	4514.3	5070.0	5625.7	6137.5	6569.2	6978.5	7350.9	7693.0
-10°	2534.3	3192.8	3812.3	4478.1	5050.6	5602.8	6109.8	6554.4	6962.2	7346.7	7686.3
-12.5°	2504.9	3145.9	3778.9	4425.9	5011.0	5560.2	6067.7	6516.9	6931.7	7315.3	7671.0
-15°	2460.8	3083.5	3724.0	4359.7	4950.9	5498.2	6013.1	6455.7	6884.6	7260.3	7625.5
-17.5°	2401.6	3006.3	3646.7	4281.1	4869.9	5417.3	5943.0	6374.8	6801.7	7189.9	7542.3
-20°	2327.0	2914.8	3546.4	4191.7	4767.0	5308.7	5818.0	6270.1	6694.3	7089.1	7459.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-730-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°	2236.7	2809.6	3425.5	4071.2	4638.7	5174.2	5677.4	6136.8	6576.4	6958.2	7352.9
-25°	2146.3	2698.4	3291.9	3904.3	4489.6	5022.8	5527.5	5975.1	6424.3	6821.5	7196.4
-27.5°	2059.7	2569.4	3136.9	3720.5	4320.6	4851.3	5351.5	5799.4	6235.5	6669.7	7030.7
-30°	1962.6	2420.1	2966.9	3524.4	4109.3	4649.7	5153.6	5618.4	6033.4	6462.2	6849.7
-32.5°	1855.4	2261.8	2787.3	3323.7	3875.3	4427.5	4926.8	5388.4	5820.2	6225.8	6632.5
-35°	1750.5	2134.0	2597.1	3108.2	3627.3	4169.1	4668.6	5125.8	5573.9	5975.7	6364.5
-37.5°	1656.2	1995.6	2394.9	2883.1	3379.2	3891.6	4399.7	4842.3	5268.7	5710.4	6089.5
-40°	1554.1	1846.9	2219.8	2651.4	3118.9	3606.2	4092.7	4550.5	4951.4	5387.9	5804.9
-42.5°	1447.3	1725.8	2047.0	2406.0	2847.3	3306.8	3776.4	4224.2	4640.5	5052.3	5465.5
-45°	1353.7	1597.7	1871.2	2199.2	2558.5	2990.7	3435.3	3881.8	4281.2	4673.7	5081.7
-47.5°	1254.1	1468.9	1721.9	1983.8	2296.1	2657.5	3075.6	3487.4	3896.2	4269.7	4630.8
-50°	1155.0	1352.9	1560.8	1796.6	2054.3	2347.2	2694.5	3077.3	3450.8	3834.2	4191.8
-52.5°	1069.5	1231.0	1418.8	1615.6	1836.2	2078.5	2356.8	2671.2	3010.9	3336.2	3693.0
-55°	980.9	1126.4	1278.0	1451.3	1634.9	1839.4	2067.5	2331.7	2591.0	2891.8	3183.1
-57.5°	900.0	1022.7	1152.0	1295.1	1454.6	1618.3	1817.6	2023.2	2258.4	2492.3	2723.0
-60°	823.8	924.1	1033.8	1154.9	1283.1	1428.7	1577.6	1754.1	1943.6	2130.2	2325.9
-62.5°	746.9	831.3	920.7	1021.3	1133.1	1243.2	1370.2	1506.2	1645.7	1803.9	1958.2
-65°	667.9	736.1	811.9	895.4	984.6	1078.3	1175.9	1276.6	1395.2	1511.1	1623.3
-67.5°	584.0	642.3	703.7	769.4	844.2	917.9	991.4	1076.4	1163.7	1249.5	1338.4
-70°	490.9	546.0	597.1	650.4	706.0	763.7	826.5	888.9	950.4	1014.7	1086.1
-72.5°	396.3	447.0	492.0	531.3	577.0	624.9	670.8	714.6	761.1	809.9	858.2
-75°	316.1	349.6	389.7	426.4	462.7	496.5	526.8	563.9	602.7	638.2	667.4
-77.5°	246.7	277.1	304.6	329.2	358.1	391.9	421.5	446.8	471.4	498.2	526.7
-80°	179.5	204.7	229.7	252.5	269.2	288.3	310.9	336.8	359.2	377.4	394.0
-82.5°	115.9	134.1	152.7	171.7	179.4	184.7	189.7	198.7	212.5	226.2	239.3
-85°	57.7	63.0	74.4	86.0	90.1	92.9	94.9	95.9	100.6	105.0	108.8
-87.5°	28.9	31.5	34.2	36.8	35.4	33.5	31.2	28.4	27.7	26.9	25.9
-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: P645491 (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°	1.6	1.7	1.7	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.4	1.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.3
65°	2.8	2.7	2.9	2.8	2.5	2.4	2.5	2.4	2.2	1.7	1.2
62.5°	5.0	5.7	4.5	4.4	4.3	4.2	4.0	3.8	3.6	3.4	3.5
60°	31.4	18.5	10.9	12.7	11.4	7.6	9.6	11.3	11.4	10.4	9.2
57.5°	174.2	130.1	96.3	230.0	230.7	110.2	132.7	208.5	171.7	56.4	52.4
55°	484.6	579.6	762.8	724.6	736.4	847.0	924.9	818.8	802.6	855.3	988.0
52.5°	870.6	961.2	1022.8	1080.5	1150.7	1226.1	1303.8	1353.3	1399.4	1448.7	1478.0
50°	1111.8	1239.4	1327.1	1294.8	1476.4	1550.7	1475.3	1542.7	1625.0	1647.5	1658.1
47.5°	1641.7	1828.8	1866.0	1986.6	2094.9	2092.6	2000.6	2005.9	2250.8	2466.8	2572.9
45°	2359.3	2365.7	2483.4	2696.3	2848.5	2800.6	2929.0	3221.1	3318.3	3412.3	3489.3
42.5°	2638.9	2754.8	2942.5	3130.8	3244.3	3342.8	3437.8	3545.1	3671.4	3773.7	3855.5
40°	2909.6	3002.9	3195.3	3347.0	3440.9	3532.8	3643.6	3762.5	3878.0	3967.9	4029.3
37.5°	3326.3	3398.7	3445.5	3586.3	3764.0	3682.0	3892.2	4043.0	4111.9	4203.2	4211.4
35°	3956.7	3908.5	3846.2	4406.5	4440.0	4250.8	4447.4	4681.1	4557.9	4814.5	4952.4
32.5°	4515.5	4508.3	4997.3	5291.9	5122.4	5260.8	5714.1	5694.0	5996.1	6136.3	6096.3
30°	5042.0	5221.6	5504.5	5723.8	5753.2	5971.4	6172.7	6349.0	6531.4	6694.9	6706.2
27.5°	5309.3	5543.7	5735.7	5862.6	6004.3	6187.8	6370.5	6569.1	6724.2	6826.7	6851.8
25°	5470.9	5710.5	5855.8	5992.4	6148.8	6307.2	6511.7	6728.0	6852.6	6915.8	6936.0
22.5°	5613.5	5828.7	5984.9	6095.9	6264.1	6434.5	6625.2	6808.3	6943.7	6971.3	6981.3
20°	5750.7	5957.4	6218.5	6381.7	6373.6	6565.5	6749.3	6894.9	7007.8	7007.1	7009.8
17.5°	6147.6	6221.4	6695.1	7054.7	6876.7	6782.8	7288.1	7297.7	7327.7	7268.0	7138.8
15°	6735.3	6869.7	7451.6	7841.5	7718.7	7712.3	8442.2	8261.2	8417.0	8376.2	8551.6
12.5°	7357.8	7516.9	7951.8	8334.6	8517.1	8561.9	8805.7	9034.1	9081.0	9062.6	9028.1
10°	7781.9	8008.5	8183.2	8415.6	8599.6	8787.3	8928.5	9092.5	9146.2	9115.2	9071.3
7.5°	7837.1	8061.1	8266.2	8470.1	8645.3	8796.6	8943.1	9076.7	9131.3	9113.3	9083.1
5°	7872.2	8075.1	8273.9	8480.8	8648.4	8788.5	8934.5	9069.8	9102.1	9080.4	9051.0
2.5°	7893.9	8081.7	8273.3	8479.3	8631.5	8764.9	8912.7	9057.0	9056.8	9047.3	9030.1
0°	7904.4	8092.7	8315.2	8501.6	8671.9	8798.2	8944.5	9084.8	9074.8	9048.7	9018.7
-2.5°	7926.8	8117.7	8344.8	8499.2	8691.3	8806.9	8958.2	9079.7	9075.0	9062.2	9047.3
-5°	7946.9	8161.6	8374.0	8536.5	8729.0	8880.2	9030.5	9125.5	9130.6	9112.8	9087.7
-7.5°	7959.2	8197.2	8399.8	8563.0	8749.7	8925.5	9078.0	9177.7	9179.9	9156.2	9126.2
-10°	7955.1	8206.4	8415.0	8583.6	8774.8	8948.4	9107.8	9234.2	9230.1	9207.5	9181.9
-12.5°	7940.1	8191.0	8405.3	8574.4	8791.4	8970.2	9149.5	9275.3	9282.0	9265.1	9237.4
-15°	7907.1	8166.2	8374.5	8559.2	8772.0	8981.0	9165.2	9303.9	9328.7	9314.8	9292.9
-17.5°	7841.8	8115.2	8336.2	8535.2	8739.4	8962.1	9171.6	9323.3	9357.2	9351.7	9333.5
-20°	7756.0	8038.2	8262.5	8471.1	8693.3	8922.8	9166.6	9305.2	9354.3	9357.4	9345.1



REPORT NUMBER: P645491 (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°
-22.5°	7659.8	7936.0	8173.9	8379.0	8620.0	8852.3	9073.1	9235.4	9317.9	9333.2	9334.2
-25°	7544.3	7828.2	8064.6	8282.9	8507.1	8747.0	8970.1	9151.3	9235.0	9274.9	9287.3
-27.5°	7381.3	7674.6	7907.3	8138.0	8366.1	8614.0	8848.4	9045.5	9113.4	9168.4	9190.4
-30°	7190.2	7480.3	7717.6	7928.5	8189.4	8442.0	8684.1	8856.0	8958.5	9021.3	9055.7
-32.5°	6970.5	7263.4	7512.3	7732.6	7980.6	8233.2	8460.9	8642.3	8783.7	8856.1	8892.9
-35°	6732.3	7031.3	7291.9	7524.0	7757.5	7998.3	8234.1	8423.9	8585.0	8647.2	8693.2
-37.5°	6445.0	6774.9	7042.1	7281.4	7503.2	7729.6	7975.2	8192.1	8348.6	8409.0	8457.5
-40°	6150.4	6469.1	6738.7	6994.0	7213.3	7460.4	7697.1	7924.4	8060.1	8130.6	8185.5
-42.5°	5839.3	6127.3	6383.6	6631.6	6875.8	7130.2	7366.7	7603.0	7720.4	7805.3	7872.6
-45°	5480.3	5748.2	5997.3	6229.3	6481.1	6731.2	6967.9	7176.7	7316.3	7426.9	7512.9
-47.5°	5001.6	5328.0	5578.1	5798.8	6048.3	6289.7	6519.0	6715.3	6868.5	6997.8	7097.7
-50°	4515.3	4828.6	5110.7	5358.6	5590.2	5813.4	6031.7	6223.7	6385.8	6525.9	6627.1
-52.5°	4036.5	4330.1	4609.9	4865.9	5088.5	5299.2	5498.9	5692.1	5863.1	6012.9	6110.8
-55°	3495.5	3799.6	4076.5	4315.2	4537.5	4745.8	4943.0	5126.2	5294.6	5447.1	5540.9
-57.5°	2988.0	3254.7	3512.3	3732.7	3942.6	4140.9	4327.9	4503.3	4665.3	4808.9	4899.3
-60°	2521.5	2716.0	2937.6	3141.1	3327.2	3496.0	3670.4	3833.9	3982.8	4109.0	4193.3
-62.5°	2109.1	2270.3	2430.3	2585.1	2736.0	2887.6	3033.7	3169.3	3293.7	3397.1	3470.9
-65°	1741.7	1871.2	1987.0	2096.7	2201.2	2320.9	2431.9	2536.3	2633.0	2712.3	2768.5
-67.5°	1434.1	1525.1	1605.2	1680.4	1762.9	1847.4	1926.7	1995.7	2054.8	2101.8	2138.9
-70°	1156.5	1223.5	1283.8	1343.8	1404.0	1459.0	1511.4	1562.2	1610.5	1649.8	1679.3
-72.5°	905.7	951.4	992.6	1038.8	1082.1	1123.8	1160.1	1189.4	1212.1	1234.3	1253.6
-75°	690.5	724.9	771.3	810.4	842.8	871.4	897.6	920.9	941.5	959.7	975.7
-77.5°	555.4	584.6	614.1	642.7	670.3	690.8	709.9	729.0	747.7	763.8	778.0
-80°	411.7	433.4	456.2	479.1	501.9	513.3	522.4	530.7	538.2	547.8	556.8
-82.5°	251.7	264.0	276.7	289.5	302.4	305.6	306.7	306.4	304.7	301.2	295.9
-85°	112.0	112.7	112.3	111.0	108.9	104.5	99.1	92.8	85.7	84.6	83.3
-87.5°	24.7	24.1	23.4	22.7	21.8	21.7	21.6	21.5	21.3	22.0	22.6
-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: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-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	0.5
85°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	1.1	0.0	1.1	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	0.7	0.2	0.0	0.0	0.0	0.2	0.7	1.3	1.8	2.0	2.0
65°	0.7	0.1	0.0	0.0	0.0	0.1	0.7	1.2	1.7	2.2	2.4
62.5°	3.7	3.8	4.0	4.0	4.0	3.8	3.7	3.5	3.4	3.6	3.8
60°	7.2	4.7	4.0	4.0	4.0	4.7	7.2	9.2	10.4	11.4	11.3
57.5°	44.3	33.1	28.1	26.1	28.1	33.1	44.3	52.4	56.4	171.7	208.5
55°	1083.1	1138.3	1179.4	1198.5	1179.4	1138.3	1083.1	988.0	855.3	802.6	818.8
52.5°	1503.8	1527.8	1541.6	1541.2	1541.6	1527.8	1503.8	1478.0	1448.7	1399.4	1353.3
50°	1676.2	1687.9	1692.0	1689.5	1692.0	1687.9	1676.2	1658.1	1647.5	1625.0	1542.7
47.5°	2476.0	2261.7	2104.1	2066.3	2104.1	2261.7	2476.0	2572.9	2466.8	2250.8	2005.9
45°	3526.3	3607.6	3688.5	3713.7	3688.5	3607.6	3526.3	3489.3	3412.3	3318.3	3221.1
42.5°	3890.1	3916.6	3931.6	3932.1	3931.6	3916.6	3890.1	3855.5	3773.7	3671.4	3545.1
40°	4063.7	4088.6	4103.2	4104.5	4103.2	4088.6	4063.7	4029.3	3967.9	3878.0	3762.5
37.5°	4221.4	4242.6	4256.6	4270.8	4256.6	4242.6	4221.4	4211.4	4203.2	4111.9	4043.0
35°	4933.8	4772.4	4540.3	4575.5	4540.3	4772.4	4933.8	4952.4	4814.5	4557.9	4681.1
32.5°	6158.8	6226.7	6269.0	6341.1	6269.0	6226.7	6158.8	6096.3	6136.3	5996.1	5694.0
30°	6724.0	6746.5	6780.4	6816.1	6780.4	6746.5	6724.0	6706.2	6694.9	6531.4	6349.0
27.5°	6865.1	6888.3	6908.9	6924.3	6908.9	6888.3	6865.1	6851.8	6826.7	6724.2	6569.1
25°	6938.9	6953.3	6975.2	6994.5	6975.2	6953.3	6938.9	6936.0	6915.8	6852.6	6728.0
22.5°	6975.5	6977.0	6994.2	7018.5	6994.2	6977.0	6975.5	6981.3	6971.3	6943.7	6808.3
20°	7000.7	6987.1	7004.8	7020.5	7004.8	6987.1	7000.7	7009.8	7007.1	7007.8	6894.9
17.5°	7321.2	7138.3	7063.2	7064.6	7063.2	7138.3	7321.2	7138.8	7268.0	7327.7	7297.7
15°	8354.8	8423.4	8686.3	8828.3	8686.3	8423.4	8354.8	8551.6	8376.2	8417.0	8261.2
12.5°	9021.7	8997.3	8966.1	9008.6	8966.1	8997.3	9021.7	9028.1	9062.6	9081.0	9034.1
10°	9052.6	9049.8	8994.2	9054.7	8994.2	9049.8	9052.6	9071.3	9115.2	9146.2	9092.5
7.5°	9033.7	9035.4	9011.7	9070.8	9011.7	9035.4	9033.7	9083.1	9113.3	9131.3	9076.7
5°	9046.2	9005.4	9020.9	9054.7	9020.9	9005.4	9046.2	9051.0	9080.4	9102.1	9069.8
2.5°	9011.2	9007.0	8977.0	9000.6	8977.0	9007.0	9011.2	9030.1	9047.3	9056.8	9057.0
0°	8984.6	8962.5	8962.5	8982.6	8962.5	8962.5	8984.6	9018.7	9048.7	9074.8	9084.8
-2.5°	9032.0	9027.4	9024.5	9010.6	9024.5	9027.4	9032.0	9047.3	9062.2	9075.0	9079.7
-5°	9070.9	9059.1	9026.2	9070.8	9026.2	9059.1	9070.9	9087.7	9112.8	9130.6	9125.5
-7.5°	9112.8	9082.4	9051.3	9120.9	9051.3	9082.4	9112.8	9126.2	9156.2	9179.9	9177.7
-10°	9151.1	9107.2	9076.9	9144.9	9076.9	9107.2	9151.1	9181.9	9207.5	9230.1	9234.2
-12.5°	9201.8	9150.3	9130.1	9167.0	9130.1	9150.3	9201.8	9237.4	9265.1	9282.0	9275.3
-15°	9255.7	9220.1	9215.3	9237.1	9215.3	9220.1	9255.7	9292.9	9314.8	9328.7	9303.9
-17.5°	9303.1	9278.1	9290.5	9315.3	9290.5	9278.1	9303.1	9333.5	9351.7	9357.2	9323.3
-20°	9325.7	9311.8	9325.7	9387.4	9325.7	9311.8	9325.7	9345.1	9357.4	9354.3	9305.2



REPORT NUMBER: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-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°	9323.8	9324.7	9349.2	9369.4	9349.2	9324.7	9323.8	9334.2	9333.2	9317.9	9235.4
-25°	9288.2	9307.0	9335.1	9375.4	9335.1	9307.0	9288.2	9287.3	9274.9	9235.0	9151.3
-27.5°	9202.4	9233.5	9263.0	9305.3	9263.0	9233.5	9202.4	9190.4	9168.4	9113.4	9045.5
-30°	9078.4	9115.4	9141.6	9187.0	9141.6	9115.4	9078.4	9055.7	9021.3	8958.5	8856.0
-32.5°	8927.4	8969.3	9000.3	9032.7	9000.3	8969.3	8927.4	8892.9	8856.1	8783.7	8642.3
-35°	8738.7	8783.8	8816.8	8846.3	8816.8	8783.8	8738.7	8693.2	8647.2	8585.0	8423.9
-37.5°	8511.9	8560.6	8598.1	8631.9	8598.1	8560.6	8511.9	8457.5	8409.0	8348.6	8192.1
-40°	8247.7	8297.7	8337.8	8375.3	8337.8	8297.7	8247.7	8185.5	8130.6	8060.1	7924.4
-42.5°	7938.9	7989.3	8030.6	8068.7	8030.6	7989.3	7938.9	7872.6	7805.3	7720.4	7603.0
-45°	7582.2	7634.0	7677.8	7718.0	7677.8	7634.0	7582.2	7512.9	7426.9	7316.3	7176.7
-47.5°	7171.4	7226.8	7264.3	7283.1	7264.3	7226.8	7171.4	7097.7	6997.8	6868.5	6715.3
-50°	6700.5	6756.0	6801.0	6834.1	6801.0	6756.0	6700.5	6627.1	6525.9	6385.8	6223.7
-52.5°	6182.2	6235.0	6273.7	6297.0	6273.7	6235.0	6182.2	6110.8	6012.9	5863.1	5692.1
-55°	5614.7	5670.0	5706.6	5723.8	5706.6	5670.0	5614.7	5540.9	5447.1	5294.6	5126.2
-57.5°	4971.0	5023.6	5062.5	5084.5	5062.5	5023.6	4971.0	4899.3	4808.9	4665.3	4503.3
-60°	4258.9	4305.9	4335.5	4347.0	4335.5	4305.9	4258.9	4193.3	4109.0	3982.8	3833.9
-62.5°	3530.5	3575.0	3602.7	3613.5	3602.7	3575.0	3530.5	3470.9	3397.1	3293.7	3169.3
-65°	2810.4	2838.3	2853.7	2855.9	2853.7	2838.3	2810.4	2768.5	2712.3	2633.0	2536.3
-67.5°	2168.2	2189.4	2202.3	2206.6	2202.3	2189.4	2168.2	2138.9	2101.8	2054.8	1995.7
-70°	1701.3	1715.9	1724.2	1725.6	1724.2	1715.9	1701.3	1679.3	1649.8	1610.5	1562.2
-72.5°	1268.4	1278.9	1275.2	1266.6	1275.2	1278.9	1268.4	1253.6	1234.3	1212.1	1189.4
-75°	989.5	1001.0	996.2	988.0	996.2	1001.0	989.5	975.7	959.7	941.5	920.9
-77.5°	790.5	801.0	795.8	787.6	795.8	801.0	790.5	778.0	763.8	747.7	729.0
-80°	564.5	570.7	575.0	577.2	575.0	570.7	564.5	556.8	547.8	538.2	530.7
-82.5°	289.0	280.5	275.1	268.6	275.1	280.5	289.0	295.9	301.2	304.7	306.4
-85°	81.7	79.8	81.1	82.2	81.1	79.8	81.7	83.3	84.6	85.7	92.8
-87.5°	23.3	23.9	24.0	24.0	24.0	23.9	23.3	22.6	22.0	21.3	21.5
-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: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.9	1.4	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
85°	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.5
65°	2.5	2.4	2.5	2.8	2.9	2.7	2.8	2.9	2.9	2.7	2.6
62.5°	4.0	4.2	4.3	4.4	4.5	5.7	5.0	5.1	4.7	5.7	7.8
60°	9.6	7.6	11.4	12.7	10.9	18.5	31.4	28.3	8.4	45.4	52.3
57.5°	132.7	110.2	230.7	230.0	96.3	130.1	174.2	114.7	75.0	128.5	169.8
55°	924.9	847.0	736.4	724.6	762.8	579.6	484.6	466.3	365.0	237.3	281.9
52.5°	1303.8	1226.1	1150.7	1080.5	1022.8	961.2	870.6	772.7	741.4	597.0	460.4
50°	1475.3	1550.7	1476.4	1294.8	1327.1	1239.4	1111.8	1007.7	1029.1	940.7	758.5
47.5°	2000.6	2092.6	2094.9	1986.6	1866.0	1828.8	1641.7	1316.6	1338.4	1334.6	1141.5
45°	2929.0	2800.6	2848.5	2696.3	2483.4	2365.7	2359.3	2011.5	1689.4	1637.1	1618.4
42.5°	3437.8	3342.8	3244.3	3130.8	2942.5	2754.8	2638.9	2443.2	2184.2	1955.0	1873.7
40°	3643.6	3532.8	3440.9	3347.0	3195.3	3002.9	2909.6	2652.7	2458.0	2259.6	2193.5
37.5°	3892.2	3682.0	3764.0	3586.3	3445.5	3398.7	3326.3	3058.9	2627.4	2591.1	2557.7
35°	4447.4	4250.8	4440.0	4406.5	3846.2	3908.5	3956.7	3628.1	3176.3	2931.4	2936.7
32.5°	5714.1	5260.8	5122.4	5291.9	4997.3	4508.3	4515.5	4415.5	3798.8	3442.4	3286.4
30°	6172.7	5971.4	5753.2	5723.8	5504.5	5221.6	5042.0	4801.5	4352.7	3945.9	3678.6
27.5°	6370.5	6187.8	6004.3	5862.6	5735.7	5543.7	5309.3	5026.8	4707.5	4343.0	4083.2
25°	6511.7	6307.2	6148.8	5992.4	5855.8	5710.5	5470.9	5195.8	4898.0	4604.1	4325.1
22.5°	6625.2	6434.5	6264.1	6095.9	5984.9	5828.7	5613.5	5329.4	5129.4	4942.6	4580.0
20°	6749.3	6565.5	6373.6	6381.7	6218.5	5957.4	5750.7	5609.2	5581.8	5371.6	4903.5
17.5°	7288.1	6782.8	6876.7	7054.7	6695.1	6221.4	6147.6	6155.5	6068.6	5873.2	5291.2
15°	8442.2	7712.3	7718.7	7841.5	7451.6	6869.7	6735.3	6718.9	6582.1	6365.9	5700.5
12.5°	8805.7	8561.9	8517.1	8334.6	7951.8	7516.9	7357.8	7271.5	7020.6	6602.4	5995.0
10°	8928.5	8787.3	8599.6	8415.6	8183.2	8008.5	7781.9	7468.4	7112.2	6708.9	6214.4
7.5°	8943.1	8796.6	8645.3	8470.1	8266.2	8061.1	7837.1	7525.5	7181.2	6785.5	6369.1
5°	8934.5	8788.5	8648.4	8480.8	8273.9	8075.1	7872.2	7564.0	7227.7	6835.6	6470.7
2.5°	8912.7	8764.9	8631.5	8479.3	8273.3	8081.7	7893.9	7605.4	7261.0	6876.9	6504.7
0°	8944.5	8798.2	8671.9	8501.6	8315.2	8092.7	7904.4	7647.8	7277.1	6904.3	6517.5
-2.5°	8958.2	8806.9	8691.3	8499.2	8344.8	8117.7	7926.8	7679.1	7307.4	6952.6	6548.5
-5°	9030.5	8880.2	8729.0	8536.5	8374.0	8161.6	7946.9	7691.8	7330.1	6978.9	6562.5
-7.5°	9078.0	8925.5	8749.7	8563.0	8399.8	8197.2	7959.2	7693.0	7350.9	6978.5	6569.2
-10°	9107.8	8948.4	8774.8	8583.6	8415.0	8206.4	7955.1	7686.3	7346.7	6962.2	6554.4
-12.5°	9149.5	8970.2	8791.4	8574.4	8405.3	8191.0	7940.1	7671.0	7315.3	6931.7	6516.9
-15°	9165.2	8981.0	8772.0	8559.2	8374.5	8166.2	7907.1	7625.5	7260.3	6884.6	6455.7
-17.5°	9171.6	8962.1	8739.4	8535.2	8336.2	8115.2	7841.8	7542.3	7189.9	6801.7	6374.8
-20°	9166.6	8922.8	8693.3	8471.1	8262.5	8038.2	7756.0	7459.5	7089.1	6694.3	6270.1



REPORT NUMBER: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-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°	9073.1	8852.3	8620.0	8379.0	8173.9	7936.0	7659.8	7352.9	6958.2	6576.4	6136.8
-25°	8970.1	8747.0	8507.1	8282.9	8064.6	7828.2	7544.3	7196.4	6821.5	6424.3	5975.1
-27.5°	8848.4	8614.0	8366.1	8138.0	7907.3	7674.6	7381.3	7030.7	6669.7	6235.5	5799.4
-30°	8684.1	8442.0	8189.4	7928.5	7717.6	7480.3	7190.2	6849.7	6462.2	6033.4	5618.4
-32.5°	8460.9	8233.2	7980.6	7732.6	7512.3	7263.4	6970.5	6632.5	6225.8	5820.2	5388.4
-35°	8234.1	7998.3	7757.5	7524.0	7291.9	7031.3	6732.3	6364.5	5975.7	5573.9	5125.8
-37.5°	7975.2	7729.6	7503.2	7281.4	7042.1	6774.9	6445.0	6089.5	5710.4	5268.7	4842.3
-40°	7697.1	7460.4	7213.3	6994.0	6738.7	6469.1	6150.4	5804.9	5387.9	4951.4	4550.5
-42.5°	7366.7	7130.2	6875.8	6631.6	6383.6	6127.3	5839.3	5465.5	5052.3	4640.5	4224.2
-45°	6967.9	6731.2	6481.1	6229.3	5997.3	5748.2	5480.3	5081.7	4673.7	4281.2	3881.8
-47.5°	6519.0	6289.7	6048.3	5798.8	5578.1	5328.0	5001.6	4630.8	4269.7	3896.2	3487.4
-50°	6031.7	5813.4	5590.2	5358.6	5110.7	4828.6	4515.3	4191.8	3834.2	3450.8	3077.3
-52.5°	5498.9	5299.2	5088.5	4865.9	4609.9	4330.1	4036.5	3693.0	3336.2	3010.9	2671.2
-55°	4943.0	4745.8	4537.5	4315.2	4076.5	3799.6	3495.5	3183.1	2891.8	2591.0	2331.7
-57.5°	4327.9	4140.9	3942.6	3732.7	3512.3	3254.7	2988.0	2723.0	2492.3	2258.4	2023.2
-60°	3670.4	3496.0	3327.2	3141.1	2937.6	2716.0	2521.5	2325.9	2130.2	1943.6	1754.1
-62.5°	3033.7	2887.6	2736.0	2585.1	2430.3	2270.3	2109.1	1958.2	1803.9	1645.7	1506.2
-65°	2431.9	2320.9	2201.2	2096.7	1987.0	1871.2	1741.7	1623.3	1511.1	1395.2	1276.6
-67.5°	1926.7	1847.4	1762.9	1680.4	1605.2	1525.1	1434.1	1338.4	1249.5	1163.7	1076.4
-70°	1511.4	1459.0	1404.0	1343.8	1283.8	1223.5	1156.5	1086.1	1014.7	950.4	888.9
-72.5°	1160.1	1123.8	1082.1	1038.8	992.6	951.4	905.7	858.2	809.9	761.1	714.6
-75°	897.6	871.4	842.8	810.4	771.3	724.9	690.5	667.4	638.2	602.7	563.9
-77.5°	709.9	690.8	670.3	642.7	614.1	584.6	555.4	526.7	498.2	471.4	446.8
-80°	522.4	513.3	501.9	479.1	456.2	433.4	411.7	394.0	377.4	359.2	336.8
-82.5°	306.7	305.6	302.4	289.5	276.7	264.0	251.7	239.3	226.2	212.5	198.7
-85°	99.1	104.5	108.9	111.0	112.3	112.7	112.0	108.8	105.0	100.6	95.9
-87.5°	21.6	21.7	21.8	22.7	23.4	24.1	24.7	25.9	26.9	27.7	28.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645491 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-730-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°	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	1.0	1.0	1.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.9	2.1	2.1
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.2
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.5
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6	3.1	3.6
75°	2.0	2.0	2.0	2.1	2.1	2.0	2.0	2.2	2.6	3.1	3.6
72.5°	2.0	2.0	2.0	2.2	2.5	2.6	2.3	2.2	2.7	3.2	3.7
70°	2.3	2.1	2.0	2.3	2.8	3.2	3.1	3.2	2.8	3.2	3.7
67.5°	2.9	3.0	2.8	2.7	2.9	3.4	3.9	4.5	4.4	3.3	3.8
65°	3.1	3.5	4.2	5.7	5.0	3.5	3.9	7.8	6.2	5.3	3.8
62.5°	6.6	3.7	12.7	16.9	9.5	7.5	6.0	17.5	11.0	7.4	5.3
60°	15.7	12.9	35.3	56.6	39.5	13.3	19.5	30.3	27.8	9.6	7.5
57.5°	147.0	50.5	73.2	105.9	104.0	56.4	41.1	54.9	47.3	27.2	10.7
55°	313.8	264.1	174.3	159.6	172.5	139.2	90.6	88.9	72.9	50.5	17.3
52.5°	430.5	449.3	391.0	273.1	237.9	226.6	177.0	128.9	114.5	75.8	43.9
50°	623.1	580.3	574.5	482.2	333.5	301.9	261.3	201.5	160.6	108.5	74.2
47.5°	880.2	773.3	716.5	675.1	532.2	384.9	342.8	275.5	211.6	156.3	105.9
45°	1257.9	999.4	889.7	822.5	729.3	541.2	429.0	347.5	275.8	209.8	139.1
42.5°	1637.2	1292.2	1087.4	978.9	881.9	717.9	521.1	430.4	338.3	264.3	181.2
40°	1972.0	1594.1	1295.3	1155.8	1031.9	888.5	670.4	519.2	399.6	320.5	229.1
37.5°	2375.0	1937.8	1534.5	1341.1	1191.6	1031.0	821.8	611.9	473.3	379.3	277.2
35°	2764.9	2382.8	1802.2	1565.0	1369.4	1177.1	967.7	721.4	563.8	439.1	325.1
32.5°	3183.5	2801.3	2206.5	1815.0	1553.4	1326.4	1104.1	854.7	654.8	499.7	373.0
30°	3513.2	3076.8	2561.3	2065.3	1753.6	1493.1	1240.3	982.5	746.1	560.7	421.3
27.5°	3687.9	3315.2	2841.2	2344.2	1979.0	1663.9	1380.5	1104.7	837.2	627.8	471.5
25°	3868.6	3483.1	3041.4	2588.1	2201.5	1844.7	1520.2	1221.2	936.7	703.5	521.3
22.5°	4084.7	3625.8	3210.1	2781.3	2431.0	2028.0	1666.7	1339.1	1036.1	777.7	570.2
20°	4301.7	3758.4	3376.7	3044.3	2656.2	2226.4	1819.9	1454.2	1129.9	850.0	618.1
17.5°	4529.6	3999.1	3659.3	3300.9	2880.8	2418.6	1970.7	1565.6	1218.0	920.0	664.6
15°	4926.1	4359.6	3944.1	3550.6	3104.1	2603.5	2118.0	1672.7	1300.1	987.2	707.9
12.5°	5286.1	4695.1	4229.0	3792.0	3323.8	2779.9	2260.0	1774.6	1376.1	1040.9	746.4
10°	5584.0	5006.3	4510.7	4023.7	3537.0	2946.3	2395.4	1857.6	1421.8	1080.9	781.9
7.5°	5828.0	5293.9	4785.4	4244.3	3720.2	3055.1	2463.7	1906.0	1457.1	1114.9	814.3
5°	6004.3	5485.8	4931.3	4321.1	3777.4	3099.8	2510.1	1945.3	1485.7	1143.4	843.4
2.5°	6055.1	5544.8	4986.1	4363.2	3816.1	3128.7	2543.3	1975.4	1507.6	1166.4	869.3
0°	6084.6	5583.6	5020.4	4389.1	3835.9	3142.5	2563.3	1996.1	1523.2	1184.5	891.8
-2.5°	6125.9	5617.0	5053.5	4455.6	3849.1	3184.6	2574.6	2009.6	1542.8	1191.0	904.9
-5°	6146.5	5630.1	5069.4	4500.3	3845.6	3209.7	2573.2	2013.9	1555.6	1193.2	914.6
-7.5°	6137.5	5625.7	5070.0	4514.3	3828.3	3215.5	2559.2	2009.4	1560.8	1191.6	920.6
-10°	6109.8	5602.8	5050.6	4478.1	3812.3	3192.8	2534.3	1996.7	1557.7	1186.5	922.8
-12.5°	6067.7	5560.2	5011.0	4425.9	3778.9	3145.9	2504.9	1974.7	1545.2	1178.2	921.3
-15°	6013.1	5498.2	4950.9	4359.7	3724.0	3083.5	2460.8	1943.0	1520.7	1168.9	915.9
-17.5°	5943.0	5417.3	4869.9	4281.1	3646.7	3006.3	2401.6	1901.6	1490.0	1157.5	904.9
-20°	5818.0	5308.7	4767.0	4191.7	3546.4	2914.8	2327.0	1850.6	1453.6	1141.4	889.1



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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°	5677.4	5174.2	4638.7	4071.2	3425.5	2809.6	2236.7	1790.0	1411.5	1120.3	870.2
-25°	5527.5	5022.8	4489.6	3904.3	3291.9	2698.4	2146.3	1719.8	1364.1	1094.2	848.2
-27.5°	5351.5	4851.3	4320.6	3720.5	3136.9	2569.4	2059.7	1657.7	1318.2	1063.2	823.2
-30°	5153.6	4649.7	4109.3	3524.4	2966.9	2420.1	1962.6	1591.3	1279.5	1029.3	795.4
-32.5°	4926.8	4427.5	3875.3	3323.7	2787.3	2261.8	1855.4	1520.3	1234.6	993.3	769.6
-35°	4668.6	4169.1	3627.3	3108.2	2597.1	2134.0	1750.5	1445.0	1183.8	954.4	742.5
-37.5°	4399.7	3891.6	3379.2	2883.1	2394.9	1995.6	1656.2	1370.6	1127.1	912.7	712.5
-40°	4092.7	3606.2	3118.9	2651.4	2219.8	1846.9	1554.1	1297.1	1073.5	868.3	679.8
-42.5°	3776.4	3306.8	2847.3	2406.0	2047.0	1725.8	1447.3	1218.1	1016.8	825.5	644.2
-45°	3435.3	2990.7	2558.5	2199.2	1871.2	1597.7	1353.7	1136.1	956.4	781.7	607.5
-47.5°	3075.6	2657.5	2296.1	1983.8	1721.9	1468.9	1254.1	1065.2	893.1	734.7	570.7
-50°	2694.5	2347.2	2054.3	1796.6	1560.8	1352.9	1155.0	991.0	834.9	682.8	532.1
-52.5°	2356.8	2078.5	1836.2	1615.6	1418.8	1231.0	1069.5	914.8	775.1	633.1	491.7
-55°	2067.5	1839.4	1634.9	1451.3	1278.0	1126.4	980.9	847.2	713.5	583.3	450.9
-57.5°	1817.6	1618.3	1454.6	1295.1	1152.0	1022.7	900.0	778.2	654.6	531.8	418.5
-60°	1577.6	1428.7	1283.1	1154.9	1033.8	924.1	823.8	709.1	595.0	480.2	382.6
-62.5°	1370.2	1243.2	1133.1	1021.3	920.7	831.3	746.9	641.5	533.8	432.4	343.6
-65°	1175.9	1078.3	984.6	895.4	811.9	736.1	667.9	572.3	472.3	381.8	303.1
-67.5°	991.4	917.9	844.2	769.4	703.7	642.3	584.0	497.6	408.2	328.6	263.0
-70°	826.5	763.7	706.0	650.4	597.1	546.0	490.9	418.0	341.1	280.9	221.8
-72.5°	670.8	624.9	577.0	531.3	492.0	447.0	396.3	339.5	285.6	232.3	179.9
-75°	526.8	496.5	462.7	426.4	389.7	349.6	316.1	276.3	229.3	182.9	144.9
-77.5°	421.5	391.9	358.1	329.2	304.6	277.1	246.7	212.2	174.9	142.2	112.0
-80°	310.9	288.3	269.2	252.5	229.7	204.7	179.5	154.3	127.2	101.8	78.5
-82.5°	189.7	184.7	179.4	171.7	152.7	134.1	115.9	97.9	78.7	60.8	50.4
-85°	94.9	92.9	90.1	86.0	74.4	63.0	57.7	52.4	45.9	39.7	33.7
-87.5°	31.2	33.5	35.4	36.8	34.2	31.5	28.9	26.2	23.0	19.9	16.9
-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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
85°	2.1	1.7	1.4	1.0	0.7	0.4	0.0
82.5°	3.1	2.6	2.1	1.6	1.0	0.7	0.0
80°	4.0	3.4	2.8	2.1	1.4	0.9	0.0
77.5°	4.0	4.0	3.4	2.6	1.7	1.1	0.0
75°	4.1	4.2	4.0	3.1	2.1	1.3	0.0
72.5°	4.1	4.3	4.2	3.6	2.5	1.5	0.0
70°	4.2	4.5	4.4	4.0	2.8	1.7	0.0
67.5°	4.7	4.6	4.6	4.2	3.2	1.9	0.0
65°	5.4	5.3	4.8	4.4	3.5	2.2	0.0
62.5°	6.3	6.6	5.0	4.6	3.9	2.4	0.0
60°	7.4	8.0	5.3	4.8	4.3	2.6	0.0
57.5°	13.7	9.6	6.8	5.1	4.5	2.8	0.0
55°	21.8	11.4	8.5	5.3	4.7	3.0	0.0
52.5°	31.3	14.6	10.2	5.5	4.9	3.2	0.0
50°	42.2	24.9	12.0	5.7	5.2	3.4	0.0
47.5°	56.8	35.9	14.0	6.2	5.4	3.6	0.0
45°	85.7	47.8	15.9	7.8	5.7	3.7	0.0
42.5°	115.4	60.4	18.0	9.3	5.9	3.9	0.0
40°	145.6	73.7	24.3	11.2	6.2	4.1	0.0
37.5°	176.5	87.8	34.7	13.6	6.4	4.3	0.0
35°	207.8	109.1	45.3	16.3	6.7	4.4	0.0
32.5°	241.8	133.8	56.1	19.3	6.9	4.6	0.0
30°	280.7	158.3	66.9	22.4	7.2	4.8	0.0
27.5°	318.8	182.6	80.3	25.8	7.5	4.9	0.0
25°	355.9	206.4	94.0	29.4	7.7	5.1	0.0
22.5°	392.0	230.7	107.7	33.1	8.0	5.2	0.0
20°	426.9	256.8	121.2	36.9	8.2	5.3	0.0
17.5°	461.4	282.1	134.5	40.8	8.5	5.4	0.0
15°	494.6	306.3	147.5	44.7	8.7	5.5	0.0
12.5°	525.6	329.5	160.1	48.6	9.0	5.6	0.0
10°	554.3	351.3	172.1	52.5	9.2	5.7	0.0
7.5°	580.7	371.7	183.5	56.2	9.4	5.8	0.0
5°	604.8	390.6	194.0	59.7	9.6	5.9	0.0
2.5°	626.3	407.7	203.7	63.0	9.8	6.0	0.0
0°	645.3	422.9	212.4	66.1	10.0	6.0	0.0
-2.5°	654.8	432.5	220.5	70.4	11.6	6.3	0.0
-5°	661.7	440.1	227.4	74.4	13.1	6.7	0.0
-7.5°	666.1	445.7	233.0	77.9	14.6	7.0	0.0
-10°	668.1	449.1	237.2	81.0	16.1	7.3	0.0
-12.5°	667.7	450.6	240.1	83.6	17.4	7.5	0.0
-15°	665.1	449.9	241.4	85.7	18.7	7.8	0.0
-17.5°	660.3	447.2	241.3	87.2	19.9	8.0	0.0
-20°	652.7	442.5	239.5	88.1	21.1	8.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	641.8	435.7	236.1	88.3	22.1	8.4	0.0
-25°	628.4	425.2	231.1	87.9	22.9	8.5	0.0
-27.5°	612.4	412.2	224.4	86.8	23.7	8.6	0.0
-30°	593.9	397.3	216.0	85.1	24.3	8.7	0.0
-32.5°	573.0	380.7	206.2	82.6	24.8	8.7	0.0
-35°	550.3	362.3	195.3	79.3	25.1	8.7	0.0
-37.5°	526.0	343.9	183.2	75.4	25.3	8.6	0.0
-40°	499.7	327.2	170.1	70.7	25.3	8.5	0.0
-42.5°	471.7	309.3	160.2	65.6	25.2	8.4	0.0
-45°	441.9	290.3	153.4	60.5	24.9	8.2	0.0
-47.5°	410.4	270.1	145.4	54.6	24.4	8.0	0.0
-50°	384.0	248.9	136.2	52.6	23.8	7.8	0.0
-52.5°	357.6	226.7	125.8	51.6	23.0	7.5	0.0
-55°	330.2	209.9	114.3	50.0	22.1	7.2	0.0
-57.5°	301.8	192.8	101.7	47.8	21.0	6.8	0.0
-60°	272.9	174.2	88.5	45.1	19.8	6.5	0.0
-62.5°	246.6	154.1	82.2	41.9	18.6	6.0	0.0
-65°	218.4	132.6	75.0	38.2	17.3	5.6	0.0
-67.5°	188.4	114.6	67.0	34.1	15.9	5.1	0.0
-70°	156.7	100.3	58.3	29.6	14.4	4.6	0.0
-72.5°	132.6	84.9	48.9	26.0	12.8	4.1	0.0
-75°	108.4	68.6	38.9	22.6	11.1	3.6	0.0
-77.5°	83.0	51.4	32.1	19.1	9.3	3.0	0.0
-80°	56.6	39.2	26.0	15.4	7.5	2.4	0.0
-82.5°	41.6	29.6	19.6	11.6	5.7	1.8	0.0
-85°	27.9	19.9	13.2	7.8	3.8	1.2	0.0
-87.5°	14.0	10.0	6.6	3.9	1.9	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)