

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: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-727-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

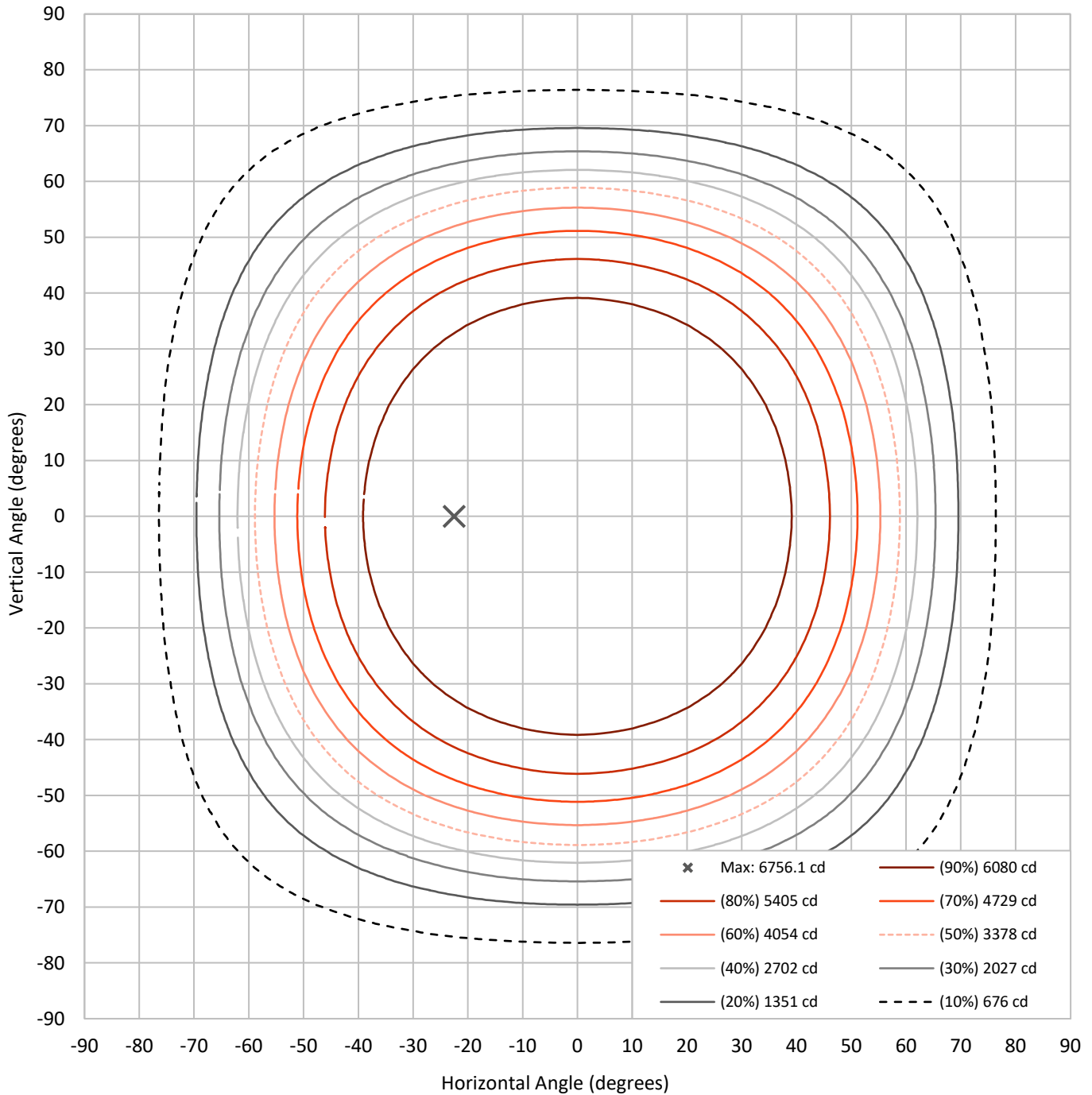
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	20667.2 lumens	Max Intensity:	6756.1 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	130.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	17199.7 lumens	Field Lumens:	20260.8 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	158.7		
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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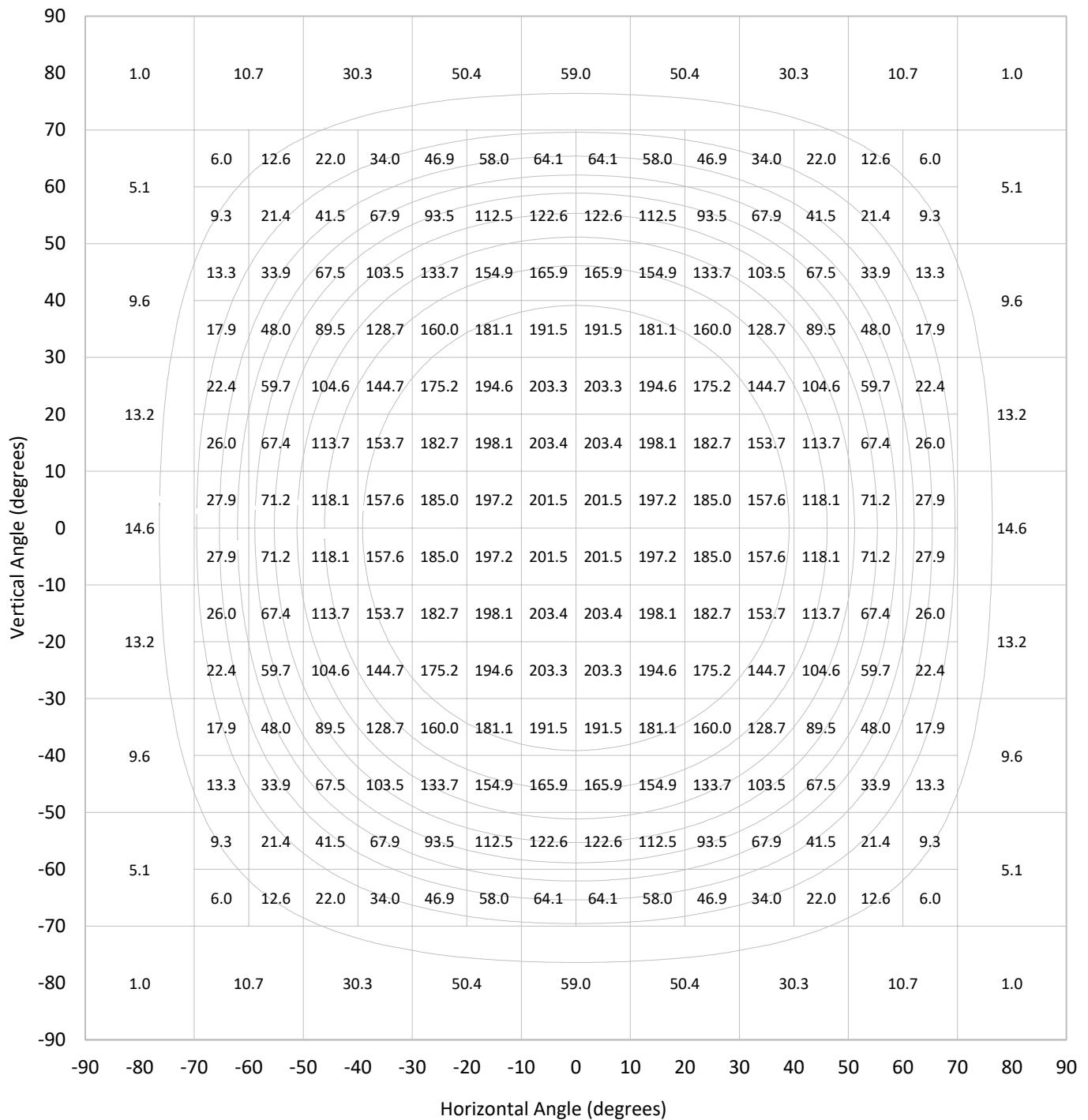
Iso-Candela Plot





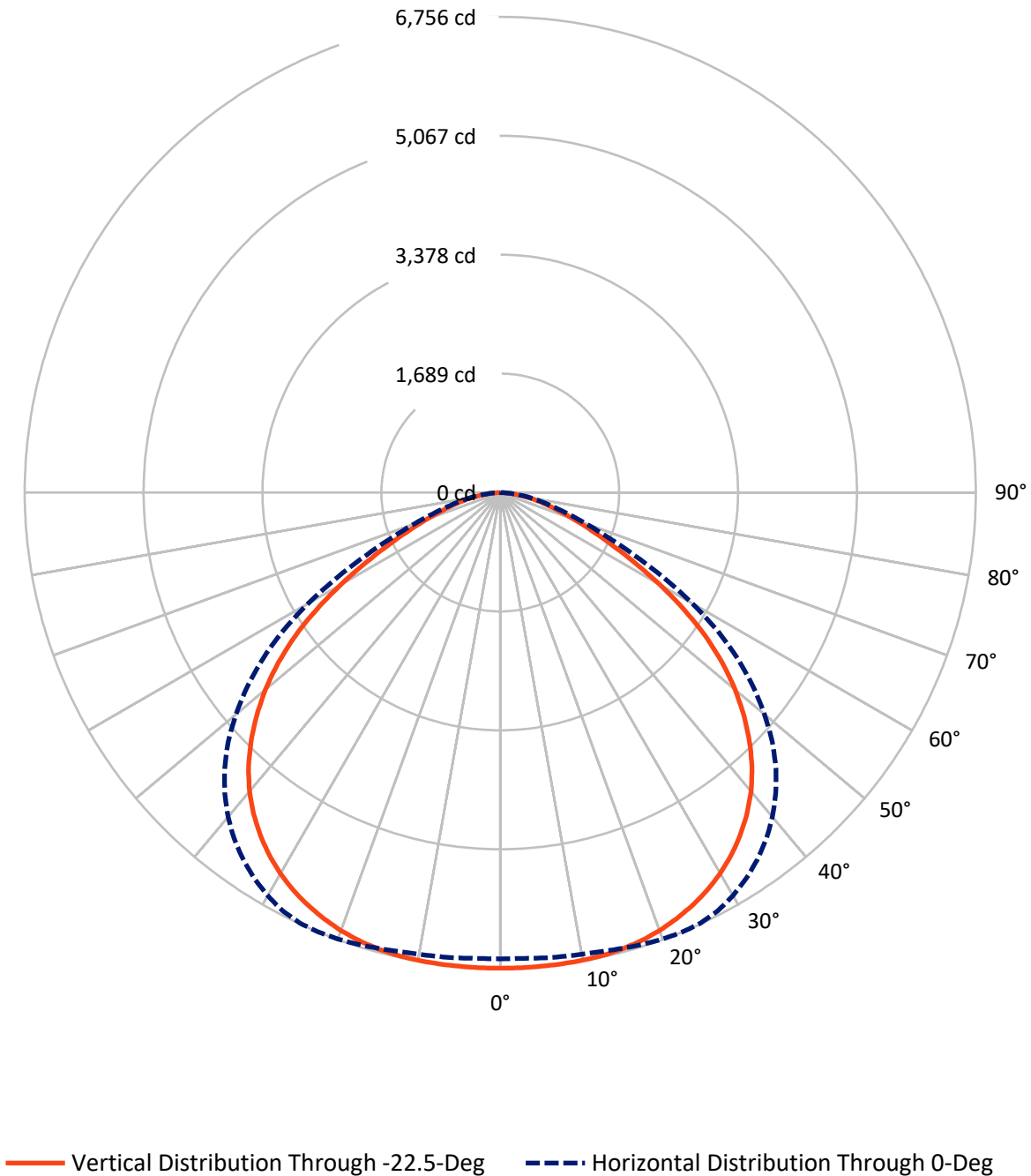
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Lumen Table



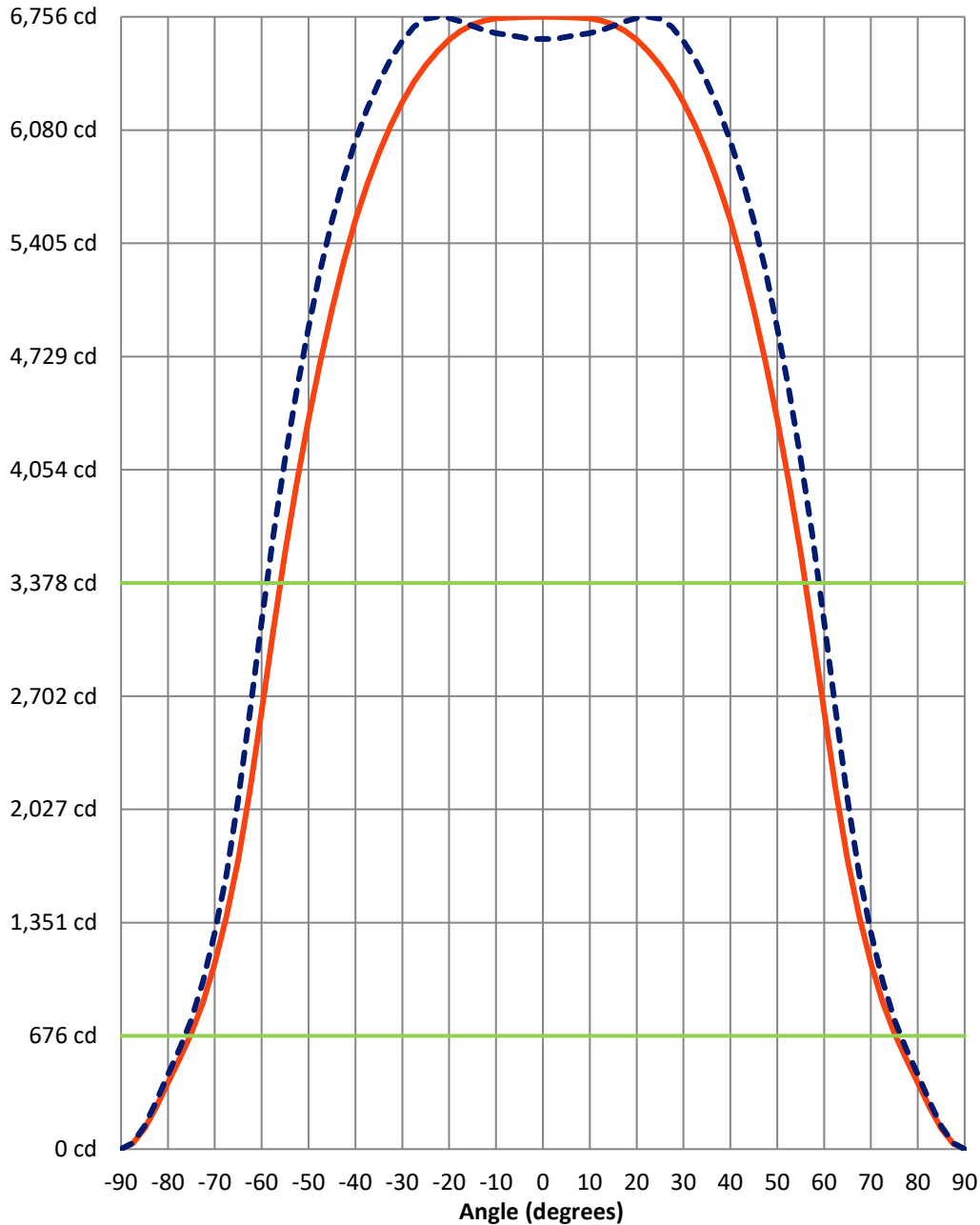
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 17199.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 20260.8
 Efficiency: 98.0%

Spill:
 Lumens: 406.5
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.1	12.7	14.2	15.6
85°	0.0	3.2	6.4	9.6	12.8	16.0	19.1	22.2	25.3	28.3	31.2
82.5°	0.0	4.8	9.6	14.4	19.2	24.0	28.7	33.3	39.4	51.6	63.6
80°	0.0	6.4	12.8	19.2	25.6	31.9	40.1	56.8	73.4	89.7	105.7
77.5°	0.0	8.0	16.0	24.0	31.9	44.4	65.6	86.5	107.2	127.5	152.0
75°	0.0	9.6	19.1	28.7	40.1	65.6	90.9	115.9	142.1	177.5	212.4
72.5°	0.0	11.1	22.2	33.3	56.8	86.5	115.9	148.5	190.4	231.6	272.2
70°	0.0	12.7	25.3	39.4	73.4	107.2	142.1	190.4	238.0	285.1	336.1
67.5°	0.0	14.2	28.3	51.6	89.7	127.5	177.5	231.6	285.1	343.2	400.3
65°	0.0	15.6	31.2	63.6	105.7	152.0	212.4	272.2	336.1	400.3	462.7
62.5°	0.0	17.1	34.1	75.4	121.4	180.6	246.6	314.8	386.1	455.9	522.0
60°	0.0	18.5	37.0	86.9	136.7	208.5	280.0	357.8	435.1	508.4	580.2
57.5°	0.0	19.9	44.4	98.2	158.2	235.7	315.6	399.7	481.2	559.7	642.3
55°	0.0	21.2	51.7	109.1	179.4	262.2	350.7	440.6	525.7	611.2	705.4
52.5°	0.0	22.5	58.8	119.7	200.0	288.4	384.7	478.7	569.0	666.5	766.8
50°	0.0	23.8	65.6	130.0	219.9	315.9	417.7	515.4	612.7	720.2	843.1
47.5°	0.0	25.0	72.2	141.0	239.2	342.4	449.3	550.8	658.7	772.0	918.9
45°	0.0	26.2	78.5	154.8	257.6	367.8	478.5	585.0	703.1	837.3	992.0
42.5°	0.0	27.3	84.6	168.1	275.3	392.3	506.5	620.3	745.7	900.4	1078.2
40°	0.0	28.3	90.4	180.7	293.1	415.6	533.3	655.8	790.5	960.8	1163.4
37.5°	0.0	29.4	95.9	192.7	310.8	437.7	558.7	689.6	841.4	1022.5	1244.6
35°	0.0	30.3	101.1	204.1	327.5	458.1	582.7	721.6	889.6	1091.4	1327.4
32.5°	0.0	31.2	106.0	214.8	343.2	476.8	606.3	751.7	935.0	1156.4	1414.6
30°	0.0	32.0	110.5	224.7	357.9	494.4	630.3	781.9	977.5	1217.3	1496.2
27.5°	0.0	32.8	114.7	234.0	371.5	510.7	652.6	816.2	1020.9	1273.9	1572.3
25°	0.0	33.5	118.6	242.5	384.1	525.7	673.1	847.9	1067.0	1332.9	1643.3
22.5°	0.0	34.2	122.2	250.2	395.5	539.4	691.8	876.7	1109.0	1390.0	1726.2
20°	0.0	34.8	125.4	257.2	405.8	551.7	708.7	902.8	1146.9	1441.6	1801.1
17.5°	0.0	35.3	128.2	263.4	414.9	562.6	723.7	925.9	1180.6	1487.5	1867.7
15°	0.0	35.7	130.6	268.8	422.8	572.1	736.7	946.0	1209.9	1527.4	1925.8
12.5°	0.0	36.1	132.7	273.3	429.6	580.2	747.8	963.1	1234.9	1561.5	1975.3
10°	0.0	36.4	134.4	277.1	435.1	586.8	756.9	977.2	1255.4	1589.5	2016.1
7.5°	0.0	36.7	135.8	280.0	439.4	592.0	764.0	988.1	1271.4	1611.3	2047.9
5°	0.0	36.9	136.7	282.1	442.5	595.7	769.1	996.0	1282.9	1627.0	2070.6
2.5°	0.0	37.0	137.3	283.4	444.4	598.0	772.2	1000.7	1289.8	1636.4	2084.3
0°	0.0	37.0	137.5	283.8	445.0	598.7	773.2	1002.3	1292.1	1639.5	2088.9
-2.5°	0.0	37.0	137.3	283.4	444.4	598.0	772.2	1000.7	1289.8	1636.4	2084.3
-5°	0.0	36.9	136.7	282.1	442.5	595.7	769.1	996.0	1282.9	1627.0	2070.6
-7.5°	0.0	36.7	135.8	280.0	439.4	592.0	764.0	988.1	1271.4	1611.3	2047.9
-10°	0.0	36.4	134.4	277.1	435.1	586.8	756.9	977.2	1255.4	1589.5	2016.1
-12.5°	0.0	36.1	132.7	273.3	429.6	580.2	747.8	963.1	1234.9	1561.5	1975.3
-15°	0.0	35.7	130.6	268.8	422.8	572.1	736.7	946.0	1209.9	1527.4	1925.8
-17.5°	0.0	35.3	128.2	263.4	414.9	562.6	723.7	925.9	1180.6	1487.5	1867.7
-20°	0.0	34.8	125.4	257.2	405.8	551.7	708.7	902.8	1146.9	1441.6	1801.1

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	34.2	122.2	250.2	395.5	539.4	691.8	876.7	1109.0	1390.0	1726.2
-25°	0.0	33.5	118.6	242.5	384.1	525.7	673.1	847.9	1067.0	1332.9	1643.3
-27.5°	0.0	32.8	114.7	234.0	371.5	510.7	652.6	816.2	1020.9	1273.9	1572.3
-30°	0.0	32.0	110.5	224.7	357.9	494.4	630.3	781.9	977.5	1217.3	1496.2
-32.5°	0.0	31.2	106.0	214.8	343.2	476.8	606.3	751.7	935.0	1156.4	1414.6
-35°	0.0	30.3	101.1	204.1	327.5	458.1	582.7	721.6	889.6	1091.4	1327.4
-37.5°	0.0	29.4	95.9	192.7	310.8	437.7	558.7	689.6	841.4	1022.5	1244.6
-40°	0.0	28.3	90.4	180.7	293.1	415.6	533.3	655.8	790.5	960.8	1163.4
-42.5°	0.0	27.3	84.6	168.1	275.3	392.3	506.5	620.3	745.7	900.4	1078.2
-45°	0.0	26.2	78.5	154.8	257.6	367.8	478.5	585.0	703.1	837.3	992.0
-47.5°	0.0	25.0	72.2	141.0	239.2	342.4	449.3	550.8	658.7	772.0	918.9
-50°	0.0	23.8	65.6	130.0	219.9	315.9	417.7	515.4	612.7	720.2	843.1
-52.5°	0.0	22.5	58.8	119.7	200.0	288.4	384.7	478.7	569.0	666.5	766.8
-55°	0.0	21.2	51.7	109.1	179.4	262.2	350.7	440.6	525.7	611.2	705.4
-57.5°	0.0	19.9	44.4	98.2	158.2	235.7	315.6	399.7	481.2	559.7	642.3
-60°	0.0	18.5	37.0	86.9	136.7	208.5	280.0	357.8	435.1	508.4	580.2
-62.5°	0.0	17.1	34.1	75.4	121.4	180.6	246.6	314.8	386.1	455.9	522.0
-65°	0.0	15.6	31.2	63.6	105.7	152.0	212.4	272.2	336.1	400.3	462.7
-67.5°	0.0	14.2	28.3	51.6	89.7	127.5	177.5	231.6	285.1	343.2	400.3
-70°	0.0	12.7	25.3	39.4	73.4	107.2	142.1	190.4	238.0	285.1	336.1
-72.5°	0.0	11.1	22.2	33.3	56.8	86.5	115.9	148.5	190.4	231.6	272.2
-75°	0.0	9.6	19.1	28.7	40.1	65.6	90.9	115.9	142.1	177.5	212.4
-77.5°	0.0	8.0	16.0	24.0	31.9	44.4	65.6	86.5	107.2	127.5	152.0
-80°	0.0	6.4	12.8	19.2	25.6	31.9	40.1	56.8	73.4	89.7	105.7
-82.5°	0.0	4.8	9.6	14.4	19.2	24.0	28.7	33.3	39.4	51.6	63.6
-85°	0.0	3.2	6.4	9.6	12.8	16.0	19.1	22.2	25.3	28.3	31.2
-87.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.1	12.7	14.2	15.6
-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: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-U-LAM-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°	17.1	18.5	19.9	21.2	22.5	23.8	25.0	26.2	27.3	28.3	29.4
85°	34.1	37.0	44.4	51.7	58.8	65.6	72.2	78.5	84.6	90.4	95.9
82.5°	75.4	86.9	98.2	109.1	119.7	130.0	141.0	154.8	168.1	180.7	192.7
80°	121.4	136.7	158.2	179.4	200.0	219.9	239.2	257.6	275.3	293.1	310.8
77.5°	180.6	208.5	235.7	262.2	288.4	315.9	342.4	367.8	392.3	415.6	437.7
75°	246.6	280.0	315.6	350.7	384.7	417.7	449.3	478.5	506.5	533.3	558.7
72.5°	314.8	357.8	399.7	440.6	478.7	515.4	550.8	585.0	620.3	655.8	689.6
70°	386.1	435.1	481.2	525.7	569.0	612.7	658.7	703.1	745.7	790.5	841.4
67.5°	455.9	508.4	559.7	611.2	666.5	720.2	772.0	837.3	900.4	960.8	1022.5
65°	522.0	580.2	642.3	705.4	766.8	843.1	918.9	992.0	1078.2	1163.4	1244.6
62.5°	587.1	657.9	728.9	806.0	894.7	980.8	1080.8	1182.8	1280.9	1391.5	1499.1
60°	657.9	736.7	826.7	925.9	1027.9	1146.9	1262.3	1390.0	1518.8	1643.3	1796.0
57.5°	728.9	826.7	936.3	1054.4	1186.9	1320.5	1470.6	1615.8	1790.0	1964.0	2137.1
55°	806.0	925.9	1054.4	1200.2	1352.8	1519.3	1693.3	1896.1	2092.4	2311.2	2520.6
52.5°	894.7	1027.9	1186.9	1352.8	1535.6	1735.8	1960.3	2192.6	2437.2	2674.7	2907.6
50°	980.8	1146.9	1320.5	1519.3	1735.8	1981.9	2243.0	2513.5	2780.5	3041.0	3284.9
47.5°	1080.8	1262.3	1470.6	1693.3	1960.3	2243.0	2539.1	2833.8	3121.8	3389.0	3645.0
45°	1182.8	1390.0	1615.8	1896.1	2192.6	2513.5	2833.8	3148.9	3441.5	3717.6	3959.2
42.5°	1280.9	1518.8	1790.0	2092.4	2437.2	2780.5	3121.8	3441.5	3741.3	4007.2	4249.8
40°	1391.5	1643.3	1964.0	2311.2	2674.7	3041.0	3389.0	3717.6	4007.2	4271.9	4517.6
37.5°	1499.1	1796.0	2137.1	2520.6	2907.6	3284.9	3645.0	3959.2	4249.8	4517.6	4753.3
35°	1601.3	1941.2	2321.1	2723.7	3129.9	3513.6	3864.0	4183.8	4472.6	4732.5	4973.4
32.5°	1714.9	2078.4	2495.2	2918.7	3332.5	3723.2	4070.5	4383.4	4670.5	4934.4	5173.7
30°	1832.0	2226.5	2660.4	3102.4	3522.8	3904.9	4251.6	4568.5	4853.2	5113.9	5348.4
27.5°	1941.2	2366.1	2818.1	3268.6	3696.6	4075.2	4417.4	4729.3	5015.7	5278.1	5505.5
25°	2042.0	2495.2	2964.0	3420.8	3842.9	4222.4	4567.6	4879.3	5164.1	5416.0	5637.0
22.5°	2141.5	2613.5	3097.7	3560.4	3977.3	4354.0	4696.0	5008.5	5293.5	5543.1	5755.1
20°	2238.3	2723.7	3215.7	3684.3	4099.3	4473.6	4812.9	5124.9	5402.3	5643.9	5854.9
17.5°	2324.4	2821.8	3318.9	3784.2	4199.5	4575.6	4916.4	5229.4	5500.1	5734.8	5941.2
15°	2399.6	2907.6	3409.2	3871.8	4285.8	4660.4	5001.2	5310.7	5579.7	5812.4	6017.3
12.5°	2463.7	2980.8	3486.2	3946.5	4359.5	4733.0	5073.8	5379.1	5643.5	5873.2	6073.7
10°	2516.4	3041.0	3549.6	4008.1	4420.4	4792.9	5133.9	5435.7	5696.4	5923.8	6120.7
7.5°	2557.6	3088.1	3599.2	4056.3	4468.0	4839.8	5181.1	5480.2	5738.1	5963.6	6157.7
5°	2587.1	3121.8	3634.8	4090.9	4502.2	4873.6	5215.0	5512.2	5768.1	5992.3	6184.5
2.5°	2604.9	3142.1	3656.3	4111.7	4522.8	4893.9	5235.4	5531.5	5786.1	6009.6	6200.7
0°	2610.8	3148.9	3663.4	4118.7	4529.7	4900.7	5242.2	5537.9	5792.2	6015.4	6206.1
-2.5°	2604.9	3142.1	3656.3	4111.7	4522.8	4893.9	5235.4	5531.5	5786.1	6009.6	6200.7
-5°	2587.1	3121.8	3634.8	4090.9	4502.2	4873.6	5215.0	5512.2	5768.1	5992.3	6184.5
-7.5°	2557.6	3088.1	3599.2	4056.3	4468.0	4839.8	5181.1	5480.2	5738.1	5963.6	6157.7
-10°	2516.4	3041.0	3549.6	4008.1	4420.4	4792.9	5133.9	5435.7	5696.4	5923.8	6120.7
-12.5°	2463.7	2980.8	3486.2	3946.5	4359.5	4733.0	5073.8	5379.1	5643.5	5873.2	6073.7
-15°	2399.6	2907.6	3409.2	3871.8	4285.8	4660.4	5001.2	5310.7	5579.7	5812.4	6017.3
-17.5°	2324.4	2821.8	3318.9	3784.2	4199.5	4575.6	4916.4	5229.4	5500.1	5734.8	5941.2
-20°	2238.3	2723.7	3215.7	3684.3	4099.3	4473.6	4812.9	5124.9	5402.3	5643.9	5854.9



REPORT NUMBER: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2141.5	2613.5	3097.7	3560.4	3977.3	4354.0	4696.0	5008.5	5293.5	5543.1	5755.1
-25°	2042.0	2495.2	2964.0	3420.8	3842.9	4222.4	4567.6	4879.3	5164.1	5416.0	5637.0
-27.5°	1941.2	2366.1	2818.1	3268.6	3696.6	4075.2	4417.4	4729.3	5015.7	5278.1	5505.5
-30°	1832.0	2226.5	2660.4	3102.4	3522.8	3904.9	4251.6	4568.5	4853.2	5113.9	5348.4
-32.5°	1714.9	2078.4	2495.2	2918.7	3332.5	3723.2	4070.5	4383.4	4670.5	4934.4	5173.7
-35°	1601.3	1941.2	2321.1	2723.7	3129.9	3513.6	3864.0	4183.8	4472.6	4732.5	4973.4
-37.5°	1499.1	1796.0	2137.1	2520.6	2907.6	3284.9	3645.0	3959.2	4249.8	4517.6	4753.3
-40°	1391.5	1643.3	1964.0	2311.2	2674.7	3041.0	3389.0	3717.6	4007.2	4271.9	4517.6
-42.5°	1280.9	1518.8	1790.0	2092.4	2437.2	2780.5	3121.8	3441.5	3741.3	4007.2	4249.8
-45°	1182.8	1390.0	1615.8	1896.1	2192.6	2513.5	2833.8	3148.9	3441.5	3717.6	3959.2
-47.5°	1080.8	1262.3	1470.6	1693.3	1960.3	2243.0	2539.1	2833.8	3121.8	3389.0	3645.0
-50°	980.8	1146.9	1320.5	1519.3	1735.8	1981.9	2243.0	2513.5	2780.5	3041.0	3284.9
-52.5°	894.7	1027.9	1186.9	1352.8	1535.6	1735.8	1960.3	2192.6	2437.2	2674.7	2907.6
-55°	806.0	925.9	1054.4	1200.2	1352.8	1519.3	1693.3	1896.1	2092.4	2311.2	2520.6
-57.5°	728.9	826.7	936.3	1054.4	1186.9	1320.5	1470.6	1615.8	1790.0	1964.0	2137.1
-60°	657.9	736.7	826.7	925.9	1027.9	1146.9	1262.3	1390.0	1518.8	1643.3	1796.0
-62.5°	587.1	657.9	728.9	806.0	894.7	980.8	1080.8	1182.8	1280.9	1391.5	1499.1
-65°	522.0	580.2	642.3	705.4	766.8	843.1	918.9	992.0	1078.2	1163.4	1244.6
-67.5°	455.9	508.4	559.7	611.2	666.5	720.2	772.0	837.3	900.4	960.8	1022.5
-70°	386.1	435.1	481.2	525.7	569.0	612.7	658.7	703.1	745.7	790.5	841.4
-72.5°	314.8	357.8	399.7	440.6	478.7	515.4	550.8	585.0	620.3	655.8	689.6
-75°	246.6	280.0	315.6	350.7	384.7	417.7	449.3	478.5	506.5	533.3	558.7
-77.5°	180.6	208.5	235.7	262.2	288.4	315.9	342.4	367.8	392.3	415.6	437.7
-80°	121.4	136.7	158.2	179.4	200.0	219.9	239.2	257.6	275.3	293.1	310.8
-82.5°	75.4	86.9	98.2	109.1	119.7	130.0	141.0	154.8	168.1	180.7	192.7
-85°	34.1	37.0	44.4	51.7	58.8	65.6	72.2	78.5	84.6	90.4	95.9
-87.5°	17.1	18.5	19.9	21.2	22.5	23.8	25.0	26.2	27.3	28.3	29.4
-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: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-U-LAM-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°	30.3	31.2	32.0	32.8	33.5	34.2	34.8	35.3	35.7	36.1	36.4
85°	101.1	106.0	110.5	114.7	118.6	122.2	125.4	128.2	130.6	132.7	134.4
82.5°	204.1	214.8	224.7	234.0	242.5	250.2	257.2	263.4	268.8	273.3	277.1
80°	327.5	343.2	357.9	371.5	384.1	395.5	405.8	414.9	422.8	429.6	435.1
77.5°	458.1	476.8	494.4	510.7	525.7	539.4	551.7	562.6	572.1	580.2	586.8
75°	582.7	606.3	630.3	652.6	673.1	691.8	708.7	723.7	736.7	747.8	756.9
72.5°	721.6	751.7	781.9	816.2	847.9	876.7	902.8	925.9	946.0	963.1	977.2
70°	889.6	935.0	977.5	1020.9	1067.0	1109.0	1146.9	1180.6	1209.9	1234.9	1255.4
67.5°	1091.4	1156.4	1217.3	1273.9	1332.9	1390.0	1441.6	1487.5	1527.4	1561.5	1589.5
65°	1327.4	1414.6	1496.2	1572.3	1643.3	1726.2	1801.1	1867.7	1925.8	1975.3	2016.1
62.5°	1601.3	1714.9	1832.0	1941.2	2042.0	2141.5	2238.3	2324.4	2399.6	2463.7	2516.4
60°	1941.2	2078.4	2226.5	2366.1	2495.2	2613.5	2723.7	2821.8	2907.6	2980.8	3041.0
57.5°	2321.1	2495.2	2660.4	2818.1	2964.0	3097.7	3215.7	3318.9	3409.2	3486.2	3549.6
55°	2723.7	2918.7	3102.4	3268.6	3420.8	3560.4	3684.3	3784.2	3871.8	3946.5	4008.1
52.5°	3129.9	3332.5	3522.8	3696.6	3842.9	3977.3	4099.3	4199.5	4285.8	4359.5	4420.4
50°	3513.6	3723.2	3904.9	4075.2	4222.4	4354.0	4473.6	4575.6	4660.4	4733.0	4792.9
47.5°	3864.0	4070.5	4251.6	4417.4	4567.6	4696.0	4812.9	4916.4	5001.2	5073.8	5133.9
45°	4183.8	4383.4	4568.5	4729.3	4879.3	5008.5	5124.9	5229.4	5310.7	5379.1	5435.7
42.5°	4472.6	4670.5	4853.2	5015.7	5164.1	5293.5	5402.3	5500.1	5579.7	5643.5	5696.4
40°	4732.5	4934.4	5113.9	5278.1	5416.0	5543.1	5643.9	5734.8	5812.4	5873.2	5923.8
37.5°	4973.4	5173.7	5348.4	5505.5	5637.0	5755.1	5854.9	5941.2	6017.3	6073.7	6120.7
35°	5193.7	5384.0	5556.9	5700.8	5831.2	5942.4	6040.7	6120.2	6191.0	6244.7	6287.6
32.5°	5384.0	5572.6	5733.2	5874.9	6002.1	6105.9	6200.2	6273.1	6337.3	6389.0	6428.8
30°	5556.9	5733.2	5889.5	6029.9	6145.8	6247.0	6331.9	6403.0	6462.3	6511.7	6546.7
27.5°	5700.8	5874.9	6029.9	6159.3	6270.3	6367.6	6445.3	6513.8	6565.6	6611.0	6641.1
25°	5831.2	6002.1	6145.8	6270.3	6378.0	6466.9	6540.8	6602.9	6648.8	6687.6	6710.0
22.5°	5942.4	6105.9	6247.0	6367.6	6466.9	6549.9	6619.6	6672.1	6709.7	6733.2	6746.5
20°	6040.7	6200.2	6331.9	6445.3	6540.8	6619.6	6680.1	6718.9	6745.1	6751.6	6755.4
17.5°	6120.2	6273.1	6403.0	6513.8	6602.9	6672.1	6718.9	6746.3	6754.2	6752.8	6748.9
15°	6191.0	6337.3	6462.3	6565.6	6648.8	6709.7	6745.1	6754.2	6751.9	6744.0	6731.8
12.5°	6244.7	6389.0	6511.7	6611.0	6687.6	6733.2	6751.6	6752.8	6744.0	6728.9	6711.6
10°	6287.6	6428.8	6546.7	6641.1	6710.0	6746.5	6755.4	6748.9	6731.8	6711.6	6692.4
7.5°	6321.5	6460.4	6574.5	6665.1	6724.7	6750.6	6752.6	6740.4	6719.8	6696.8	6676.0
5°	6346.0	6483.3	6594.8	6682.6	6735.4	6753.6	6750.4	6733.6	6709.8	6685.8	6666.8
2.5°	6360.8	6497.1	6607.1	6693.3	6742.0	6755.5	6749.1	6729.4	6703.6	6678.7	6660.7
0°	6365.8	6501.8	6611.2	6696.9	6744.2	6756.1	6748.7	6728.0	6701.4	6676.2	6658.5
-2.5°	6360.8	6497.1	6607.1	6693.3	6742.0	6755.5	6749.1	6729.4	6703.6	6678.7	6660.7
-5°	6346.0	6483.3	6594.8	6682.6	6735.4	6753.6	6750.4	6733.6	6709.8	6685.8	6666.8
-7.5°	6321.5	6460.4	6574.5	6665.1	6724.7	6750.6	6752.6	6740.4	6719.8	6696.8	6676.0
-10°	6287.6	6428.8	6546.7	6641.1	6710.0	6746.5	6755.4	6748.9	6731.8	6711.6	6692.4
-12.5°	6244.7	6389.0	6511.7	6611.0	6687.6	6733.2	6751.6	6752.8	6744.0	6728.9	6711.6
-15°	6191.0	6337.3	6462.3	6565.6	6648.8	6709.7	6745.1	6754.2	6751.9	6744.0	6731.8
-17.5°	6120.2	6273.1	6403.0	6513.8	6602.9	6672.1	6718.9	6746.3	6754.2	6752.8	6748.9
-20°	6040.7	6200.2	6331.9	6445.3	6540.8	6619.6	6680.1	6718.9	6745.1	6751.6	6755.4



REPORT NUMBER: P645502 (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°	5942.4	6105.9	6247.0	6367.6	6466.9	6549.9	6619.6	6672.1	6709.7	6733.2	6746.5
-25°	5831.2	6002.1	6145.8	6270.3	6378.0	6466.9	6540.8	6602.9	6648.8	6687.6	6710.0
-27.5°	5700.8	5874.9	6029.9	6159.3	6270.3	6367.6	6445.3	6513.8	6565.6	6611.0	6641.1
-30°	5556.9	5733.2	5889.5	6029.9	6145.8	6247.0	6331.9	6403.0	6462.3	6511.7	6546.7
-32.5°	5384.0	5572.6	5733.2	5874.9	6002.1	6105.9	6200.2	6273.1	6337.3	6389.0	6428.8
-35°	5193.7	5384.0	5556.9	5700.8	5831.2	5942.4	6040.7	6120.2	6191.0	6244.7	6287.6
-37.5°	4973.4	5173.7	5348.4	5505.5	5637.0	5755.1	5854.9	5941.2	6017.3	6073.7	6120.7
-40°	4732.5	4934.4	5113.9	5278.1	5416.0	5543.1	5643.9	5734.8	5812.4	5873.2	5923.8
-42.5°	4472.6	4670.5	4853.2	5015.7	5164.1	5293.5	5402.3	5500.1	5579.7	5643.5	5696.4
-45°	4183.8	4383.4	4568.5	4729.3	4879.3	5008.5	5124.9	5229.4	5310.7	5379.1	5435.7
-47.5°	3864.0	4070.5	4251.6	4417.4	4567.6	4696.0	4812.9	4916.4	5001.2	5073.8	5133.9
-50°	3513.6	3723.2	3904.9	4075.2	4222.4	4354.0	4473.6	4575.6	4660.4	4733.0	4792.9
-52.5°	3129.9	3332.5	3522.8	3696.6	3842.9	3977.3	4099.3	4199.5	4285.8	4359.5	4420.4
-55°	2723.7	2918.7	3102.4	3268.6	3420.8	3560.4	3684.3	3784.2	3871.8	3946.5	4008.1
-57.5°	2321.1	2495.2	2660.4	2818.1	2964.0	3097.7	3215.7	3318.9	3409.2	3486.2	3549.6
-60°	1941.2	2078.4	2226.5	2366.1	2495.2	2613.5	2723.7	2821.8	2907.6	2980.8	3041.0
-62.5°	1601.3	1714.9	1832.0	1941.2	2042.0	2141.5	2238.3	2324.4	2399.6	2463.7	2516.4
-65°	1327.4	1414.6	1496.2	1572.3	1643.3	1726.2	1801.1	1867.7	1925.8	1975.3	2016.1
-67.5°	1091.4	1156.4	1217.3	1273.9	1332.9	1390.0	1441.6	1487.5	1527.4	1561.5	1589.5
-70°	889.6	935.0	977.5	1020.9	1067.0	1109.0	1146.9	1180.6	1209.9	1234.9	1255.4
-72.5°	721.6	751.7	781.9	816.2	847.9	876.7	902.8	925.9	946.0	963.1	977.2
-75°	582.7	606.3	630.3	652.6	673.1	691.8	708.7	723.7	736.7	747.8	756.9
-77.5°	458.1	476.8	494.4	510.7	525.7	539.4	551.7	562.6	572.1	580.2	586.8
-80°	327.5	343.2	357.9	371.5	384.1	395.5	405.8	414.9	422.8	429.6	435.1
-82.5°	204.1	214.8	224.7	234.0	242.5	250.2	257.2	263.4	268.8	273.3	277.1
-85°	101.1	106.0	110.5	114.7	118.6	122.2	125.4	128.2	130.6	132.7	134.4
-87.5°	30.3	31.2	32.0	32.8	33.5	34.2	34.8	35.3	35.7	36.1	36.4
-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: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-U-LAM-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°	36.7	36.9	37.0	37.0	37.0	36.9	36.7	36.4	36.1	35.7	35.3
85°	135.8	136.7	137.3	137.5	137.3	136.7	135.8	134.4	132.7	130.6	128.2
82.5°	280.0	282.1	283.4	283.8	283.4	282.1	280.0	277.1	273.3	268.8	263.4
80°	439.4	442.5	444.4	445.0	444.4	442.5	439.4	435.1	429.6	422.8	414.9
77.5°	592.0	595.7	598.0	598.7	598.0	595.7	592.0	586.8	580.2	572.1	562.6
75°	764.0	769.1	772.2	773.2	772.2	769.1	764.0	756.9	747.8	736.7	723.7
72.5°	988.1	996.0	1000.7	1002.3	1000.7	996.0	988.1	977.2	963.1	946.0	925.9
70°	1271.4	1282.9	1289.8	1292.1	1289.8	1282.9	1271.4	1255.4	1234.9	1209.9	1180.6
67.5°	1611.3	1627.0	1636.4	1639.5	1636.4	1627.0	1611.3	1589.5	1561.5	1527.4	1487.5
65°	2047.9	2070.6	2084.3	2088.9	2084.3	2070.6	2047.9	2016.1	1975.3	1925.8	1867.7
62.5°	2557.6	2587.1	2604.9	2610.8	2604.9	2587.1	2557.6	2516.4	2463.7	2399.6	2324.4
60°	3088.1	3121.8	3142.1	3148.9	3142.1	3121.8	3088.1	3041.0	2980.8	2907.6	2821.8
57.5°	3599.2	3634.8	3656.3	3663.4	3656.3	3634.8	3599.2	3549.6	3486.2	3409.2	3318.9
55°	4056.3	4090.9	4111.7	4118.7	4111.7	4090.9	4056.3	4008.1	3946.5	3871.8	3784.2
52.5°	4468.0	4502.2	4522.8	4529.7	4522.8	4502.2	4468.0	4420.4	4359.5	4285.8	4199.5
50°	4839.8	4873.6	4893.9	4900.7	4893.9	4873.6	4839.8	4792.9	4733.0	4660.4	4575.6
47.5°	5181.1	5215.0	5235.4	5242.2	5235.4	5215.0	5181.1	5133.9	5073.8	5001.2	4916.4
45°	5480.2	5512.2	5531.5	5537.9	5531.5	5512.2	5480.2	5435.7	5379.1	5310.7	5229.4
42.5°	5738.1	5768.1	5786.1	5792.2	5786.1	5768.1	5738.1	5696.4	5643.5	5579.7	5500.1
40°	5963.6	5992.3	6009.6	6015.4	6009.6	5992.3	5963.6	5923.8	5873.2	5812.4	5734.8
37.5°	6157.7	6184.5	6200.7	6206.1	6200.7	6184.5	6157.7	6120.7	6073.7	6017.3	5941.2
35°	6321.5	6346.0	6360.8	6365.8	6360.8	6346.0	6321.5	6287.6	6244.7	6191.0	6120.2
32.5°	6460.4	6483.3	6497.1	6501.8	6497.1	6483.3	6460.4	6428.8	6389.0	6337.3	6273.1
30°	6574.5	6594.8	6607.1	6611.2	6607.1	6594.8	6574.5	6546.7	6511.7	6462.3	6403.0
27.5°	6665.1	6682.6	6693.3	6696.9	6693.3	6682.6	6665.1	6641.1	6611.0	6565.6	6513.8
25°	6724.7	6735.4	6742.0	6744.2	6742.0	6735.4	6724.7	6710.0	6687.6	6648.8	6602.9
22.5°	6750.6	6753.6	6755.5	6756.1	6755.5	6753.6	6750.6	6746.5	6733.2	6709.7	6672.1
20°	6752.6	6750.4	6749.1	6748.7	6749.1	6750.4	6752.6	6755.4	6751.6	6745.1	6718.9
17.5°	6740.4	6733.6	6729.4	6728.0	6729.4	6733.6	6740.4	6748.9	6752.8	6754.2	6746.3
15°	6719.8	6709.8	6703.6	6701.4	6703.6	6709.8	6719.8	6731.8	6744.0	6751.9	6754.2
12.5°	6696.8	6685.8	6678.7	6676.2	6678.7	6685.8	6696.8	6711.6	6728.9	6744.0	6752.8
10°	6676.0	6666.8	6660.7	6658.5	6660.7	6666.8	6676.0	6692.4	6711.6	6731.8	6748.9
7.5°	6662.7	6654.4	6649.8	6648.1	6649.8	6654.4	6662.7	6676.0	6696.8	6719.8	6740.4
5°	6654.4	6646.1	6639.1	6636.3	6639.1	6646.1	6654.4	6666.8	6685.8	6709.8	6733.6
2.5°	6649.8	6639.1	6628.5	6623.0	6628.5	6639.1	6649.8	6660.7	6678.7	6703.6	6729.4
0°	6648.1	6636.3	6623.0	6624.5	6623.0	6636.3	6648.1	6658.5	6676.2	6701.4	6728.0
-2.5°	6649.8	6639.1	6628.5	6623.0	6628.5	6639.1	6649.8	6660.7	6678.7	6703.6	6729.4
-5°	6654.4	6646.1	6639.1	6636.3	6639.1	6646.1	6654.4	6666.8	6685.8	6709.8	6733.6
-7.5°	6662.7	6654.4	6649.8	6648.1	6649.8	6654.4	6662.7	6676.0	6696.8	6719.8	6740.4
-10°	6676.0	6666.8	6660.7	6658.5	6660.7	6666.8	6676.0	6692.4	6711.6	6731.8	6748.9
-12.5°	6696.8	6685.8	6678.7	6676.2	6678.7	6685.8	6696.8	6711.6	6728.9	6744.0	6752.8
-15°	6719.8	6709.8	6703.6	6701.4	6703.6	6709.8	6719.8	6731.8	6744.0	6751.9	6754.2
-17.5°	6740.4	6733.6	6729.4	6728.0	6729.4	6733.6	6740.4	6748.9	6752.8	6754.2	6746.3
-20°	6752.6	6750.4	6749.1	6748.7	6749.1	6750.4	6752.6	6755.4	6751.6	6745.1	6718.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6750.6	6753.6	6755.5	6756.1	6755.5	6753.6	6750.6	6746.5	6733.2	6709.7	6672.1
-25°	6724.7	6735.4	6742.0	6744.2	6742.0	6735.4	6724.7	6710.0	6687.6	6648.8	6602.9
-27.5°	6665.1	6682.6	6693.3	6696.9	6693.3	6682.6	6665.1	6641.1	6611.0	6565.6	6513.8
-30°	6574.5	6594.8	6607.1	6611.2	6607.1	6594.8	6574.5	6546.7	6511.7	6462.3	6403.0
-32.5°	6460.4	6483.3	6497.1	6501.8	6497.1	6483.3	6460.4	6428.8	6389.0	6337.3	6273.1
-35°	6321.5	6346.0	6360.8	6365.8	6360.8	6346.0	6321.5	6287.6	6244.7	6191.0	6120.2
-37.5°	6157.7	6184.5	6200.7	6206.1	6200.7	6184.5	6157.7	6120.7	6073.7	6017.3	5941.2
-40°	5963.6	5992.3	6009.6	6015.4	6009.6	5992.3	5963.6	5923.8	5873.2	5812.4	5734.8
-42.5°	5738.1	5768.1	5786.1	5792.2	5786.1	5768.1	5738.1	5696.4	5643.5	5579.7	5500.1
-45°	5480.2	5512.2	5531.5	5537.9	5531.5	5512.2	5480.2	5435.7	5379.1	5310.7	5229.4
-47.5°	5181.1	5215.0	5235.4	5242.2	5235.4	5215.0	5181.1	5133.9	5073.8	5001.2	4916.4
-50°	4839.8	4873.6	4893.9	4900.7	4893.9	4873.6	4839.8	4792.9	4733.0	4660.4	4575.6
-52.5°	4468.0	4502.2	4522.8	4529.7	4522.8	4502.2	4468.0	4420.4	4359.5	4285.8	4199.5
-55°	4056.3	4090.9	4111.7	4118.7	4111.7	4090.9	4056.3	4008.1	3946.5	3871.8	3784.2
-57.5°	3599.2	3634.8	3656.3	3663.4	3656.3	3634.8	3599.2	3549.6	3486.2	3409.2	3318.9
-60°	3088.1	3121.8	3142.1	3148.9	3142.1	3121.8	3088.1	3041.0	2980.8	2907.6	2821.8
-62.5°	2557.6	2587.1	2604.9	2610.8	2604.9	2587.1	2557.6	2516.4	2463.7	2399.6	2324.4
-65°	2047.9	2070.6	2084.3	2088.9	2084.3	2070.6	2047.9	2016.1	1975.3	1925.8	1867.7
-67.5°	1611.3	1627.0	1636.4	1639.5	1636.4	1627.0	1611.3	1589.5	1561.5	1527.4	1487.5
-70°	1271.4	1282.9	1289.8	1292.1	1289.8	1282.9	1271.4	1255.4	1234.9	1209.9	1180.6
-72.5°	988.1	996.0	1000.7	1002.3	1000.7	996.0	988.1	977.2	963.1	946.0	925.9
-75°	764.0	769.1	772.2	773.2	772.2	769.1	764.0	756.9	747.8	736.7	723.7
-77.5°	592.0	595.7	598.0	598.7	598.0	595.7	592.0	586.8	580.2	572.1	562.6
-80°	439.4	442.5	444.4	445.0	444.4	442.5	439.4	435.1	429.6	422.8	414.9
-82.5°	280.0	282.1	283.4	283.8	283.4	282.1	280.0	277.1	273.3	268.8	263.4
-85°	135.8	136.7	137.3	137.5	137.3	136.7	135.8	134.4	132.7	130.6	128.2
-87.5°	36.7	36.9	37.0	37.0	37.0	36.9	36.7	36.4	36.1	35.7	35.3
-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: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-U-LAM-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°	34.8	34.2	33.5	32.8	32.0	31.2	30.3	29.4	28.3	27.3	26.2
85°	125.4	122.2	118.6	114.7	110.5	106.0	101.1	95.9	90.4	84.6	78.5
82.5°	257.2	250.2	242.5	234.0	224.7	214.8	204.1	192.7	180.7	168.1	154.8
80°	405.8	395.5	384.1	371.5	357.9	343.2	327.5	310.8	293.1	275.3	257.6
77.5°	551.7	539.4	525.7	510.7	494.4	476.8	458.1	437.7	415.6	392.3	367.8
75°	708.7	691.8	673.1	652.6	630.3	606.3	582.7	558.7	533.3	506.5	478.5
72.5°	902.8	876.7	847.9	816.2	781.9	751.7	721.6	689.6	655.8	620.3	585.0
70°	1146.9	1109.0	1067.0	1020.9	977.5	935.0	889.6	841.4	790.5	745.7	703.1
67.5°	1441.6	1390.0	1332.9	1273.9	1217.3	1156.4	1091.4	1022.5	960.8	900.4	837.3
65°	1801.1	1726.2	1643.3	1572.3	1496.2	1414.6	1327.4	1244.6	1163.4	1078.2	992.0
62.5°	2238.3	2141.5	2042.0	1941.2	1832.0	1714.9	1601.3	1499.1	1391.5	1280.9	1182.8
60°	2723.7	2613.5	2495.2	2366.1	2226.5	2078.4	1941.2	1796.0	1643.3	1518.8	1390.0
57.5°	3215.7	3097.7	2964.0	2818.1	2660.4	2495.2	2321.1	2137.1	1964.0	1790.0	1615.8
55°	3684.3	3560.4	3420.8	3268.6	3102.4	2918.7	2723.7	2520.6	2311.2	2092.4	1896.1
52.5°	4099.3	3977.3	3842.9	3696.6	3522.8	3332.5	3129.9	2907.6	2674.7	2437.2	2192.6
50°	4473.6	4354.0	4222.4	4075.2	3904.9	3723.2	3513.6	3284.9	3041.0	2780.5	2513.5
47.5°	4812.9	4696.0	4567.6	4417.4	4251.6	4070.5	3864.0	3645.0	3389.0	3121.8	2833.8
45°	5124.9	5008.5	4879.3	4729.3	4568.5	4383.4	4183.8	3959.2	3717.6	3441.5	3148.9
42.5°	5402.3	5293.5	5164.1	5015.7	4853.2	4670.5	4472.6	4249.8	4007.2	3741.3	3441.5
40°	5643.9	5543.1	5416.0	5278.1	5113.9	4934.4	4732.5	4517.6	4271.9	4007.2	3717.6
37.5°	5854.9	5755.1	5637.0	5505.5	5348.4	5173.7	4973.4	4753.3	4517.6	4249.8	3959.2
35°	6040.7	5942.4	5831.2	5700.8	5556.9	5384.0	5193.7	4973.4	4732.5	4472.6	4183.8
32.5°	6200.2	6105.9	6002.1	5874.9	5733.2	5572.6	5384.0	5173.7	4934.4	4670.5	4383.4
30°	6331.9	6247.0	6145.8	6029.9	5889.5	5733.2	5556.9	5348.4	5113.9	4853.2	4568.5
27.5°	6445.3	6367.6	6270.3	6159.3	6029.9	5874.9	5700.8	5505.5	5278.1	5015.7	4729.3
25°	6540.8	6466.9	6378.0	6270.3	6145.8	6002.1	5831.2	5637.0	5416.0	5164.1	4879.3
22.5°	6619.6	6549.9	6466.9	6367.6	6247.0	6105.9	5942.4	5755.1	5543.1	5293.5	5008.5
20°	6680.1	6619.6	6540.8	6445.3	6331.9	6200.2	6040.7	5854.9	5643.9	5402.3	5124.9
17.5°	6718.9	6672.1	6602.9	6513.8	6403.0	6273.1	6120.2	5941.2	5734.8	5500.1	5229.4
15°	6745.1	6709.7	6648.8	6565.6	6462.3	6337.3	6191.0	6017.3	5812.4	5579.7	5310.7
12.5°	6751.6	6733.2	6687.6	6611.0	6511.7	6389.0	6244.7	6073.7	5873.2	5643.5	5379.1
10°	6755.4	6746.5	6710.0	6641.1	6546.7	6428.8	6287.6	6120.7	5923.8	5696.4	5435.7
7.5°	6752.6	6750.6	6724.7	6665.1	6574.5	6460.4	6321.5	6157.7	5963.6	5738.1	5480.2
5°	6750.4	6753.6	6735.4	6682.6	6594.8	6483.3	6346.0	6184.5	5992.3	5768.1	5512.2
2.5°	6749.1	6755.5	6742.0	6693.3	6607.1	6497.1	6360.8	6200.7	6009.6	5786.1	5531.5
0°	6748.7	6756.1	6744.2	6696.9	6611.2	6501.8	6365.8	6206.1	6015.4	5792.2	5537.9
-2.5°	6749.1	6755.5	6742.0	6693.3	6607.1	6497.1	6360.8	6200.7	6009.6	5786.1	5531.5
-5°	6750.4	6753.6	6735.4	6682.6	6594.8	6483.3	6346.0	6184.5	5992.3	5768.1	5512.2
-7.5°	6752.6	6750.6	6724.7	6665.1	6574.5	6460.4	6321.5	6157.7	5963.6	5738.1	5480.2
-10°	6755.4	6746.5	6710.0	6641.1	6546.7	6428.8	6287.6	6120.7	5923.8	5696.4	5435.7
-12.5°	6751.6	6733.2	6687.6	6611.0	6511.7	6389.0	6244.7	6073.7	5873.2	5643.5	5379.1
-15°	6745.1	6709.7	6648.8	6565.6	6462.3	6337.3	6191.0	6017.3	5812.4	5579.7	5310.7
-17.5°	6718.9	6672.1	6602.9	6513.8	6403.0	6273.1	6120.2	5941.2	5734.8	5500.1	5229.4
-20°	6680.1	6619.6	6540.8	6445.3	6331.9	6200.2	6040.7	5854.9	5643.9	5402.3	5124.9

Classified

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Scaled Data Report



REPORT NUMBER: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6619.6	6549.9	6466.9	6367.6	6247.0	6105.9	5942.4	5755.1	5543.1	5293.5	5008.5
-25°	6540.8	6466.9	6378.0	6270.3	6145.8	6002.1	5831.2	5637.0	5416.0	5164.1	4879.3
-27.5°	6445.3	6367.6	6270.3	6159.3	6029.9	5874.9	5700.8	5505.5	5278.1	5015.7	4729.3
-30°	6331.9	6247.0	6145.8	6029.9	5889.5	5733.2	5556.9	5348.4	5113.9	4853.2	4568.5
-32.5°	6200.2	6105.9	6002.1	5874.9	5733.2	5572.6	5384.0	5173.7	4934.4	4670.5	4383.4
-35°	6040.7	5942.4	5831.2	5700.8	5556.9	5384.0	5193.7	4973.4	4732.5	4472.6	4183.8
-37.5°	5854.9	5755.1	5637.0	5505.5	5348.4	5173.7	4973.4	4753.3	4517.6	4249.8	3959.2
-40°	5643.9	5543.1	5416.0	5278.1	5113.9	4934.4	4732.5	4517.6	4271.9	4007.2	3717.6
-42.5°	5402.3	5293.5	5164.1	5015.7	4853.2	4670.5	4472.6	4249.8	4007.2	3741.3	3441.5
-45°	5124.9	5008.5	4879.3	4729.3	4568.5	4383.4	4183.8	3959.2	3717.6	3441.5	3148.9
-47.5°	4812.9	4696.0	4567.6	4417.4	4251.6	4070.5	3864.0	3645.0	3389.0	3121.8	2833.8
-50°	4473.6	4354.0	4222.4	4075.2	3904.9	3723.2	3513.6	3284.9	3041.0	2780.5	2513.5
-52.5°	4099.3	3977.3	3842.9	3696.6	3522.8	3332.5	3129.9	2907.6	2674.7	2437.2	2192.6
-55°	3684.3	3560.4	3420.8	3268.6	3102.4	2918.7	2723.7	2520.6	2311.2	2092.4	1896.1
-57.5°	3215.7	3097.7	2964.0	2818.1	2660.4	2495.2	2321.1	2137.1	1964.0	1790.0	1615.8
-60°	2723.7	2613.5	2495.2	2366.1	2226.5	2078.4	1941.2	1796.0	1643.3	1518.8	1390.0
-62.5°	2238.3	2141.5	2042.0	1941.2	1832.0	1714.9	1601.3	1499.1	1391.5	1280.9	1182.8
-65°	1801.1	1726.2	1643.3	1572.3	1496.2	1414.6	1327.4	1244.6	1163.4	1078.2	992.0
-67.5°	1441.6	1390.0	1332.9	1273.9	1217.3	1156.4	1091.4	1022.5	960.8	900.4	837.3
-70°	1146.9	1109.0	1067.0	1020.9	977.5	935.0	889.6	841.4	790.5	745.7	703.1
-72.5°	902.8	876.7	847.9	816.2	781.9	751.7	721.6	689.6	655.8	620.3	585.0
-75°	708.7	691.8	673.1	652.6	630.3	606.3	582.7	558.7	533.3	506.5	478.5
-77.5°	551.7	539.4	525.7	510.7	494.4	476.8	458.1	437.7	415.6	392.3	367.8
-80°	405.8	395.5	384.1	371.5	357.9	343.2	327.5	310.8	293.1	275.3	257.6
-82.5°	257.2	250.2	242.5	234.0	224.7	214.8	204.1	192.7	180.7	168.1	154.8
-85°	125.4	122.2	118.6	114.7	110.5	106.0	101.1	95.9	90.4	84.6	78.5
-87.5°	34.8	34.2	33.5	32.8	32.0	31.2	30.3	29.4	28.3	27.3	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



REPORT NUMBER: P645502 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-U-LAM-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°	25.0	23.8	22.5	21.2	19.9	18.5	17.1	15.6	14.2	12.7	11.1
85°	72.2	65.6	58.8	51.7	44.4	37.0	34.1	31.2	28.3	25.3	22.2
82.5°	141.0	130.0	119.7	109.1	98.2	86.9	75.4	63.6	51.6	39.4	33.3
80°	239.2	219.9	200.0	179.4	158.2	136.7	121.4	105.7	89.7	73.4	56.8
77.5°	342.4	315.9	288.4	262.2	235.7	208.5	180.6	152.0	127.5	107.2	86.5
75°	449.3	417.7	384.7	350.7	315.6	280.0	246.6	212.4	177.5	142.1	115.9
72.5°	550.8	515.4	478.7	440.6	399.7	357.8	314.8	272.2	231.6	190.4	148.5
70°	658.7	612.7	569.0	525.7	481.2	435.1	386.1	336.1	285.1	238.0	190.4
67.5°	772.0	720.2	666.5	611.2	559.7	508.4	455.9	400.3	343.2	285.1	231.6
65°	918.9	843.1	766.8	705.4	642.3	580.2	522.0	462.7	400.3	336.1	272.2
62.5°	1080.8	980.8	894.7	806.0	728.9	657.9	587.1	522.0	455.9	386.1	314.8
60°	1262.3	1146.9	1027.9	925.9	826.7	736.7	657.9	580.2	508.4	435.1	357.8
57.5°	1470.6	1320.5	1186.9	1054.4	936.3	826.7	728.9	642.3	559.7	481.2	399.7
55°	1693.3	1519.3	1352.8	1200.2	1054.4	925.9	806.0	705.4	611.2	525.7	440.6
52.5°	1960.3	1735.8	1535.6	1352.8	1186.9	1027.9	894.7	766.8	666.5	569.0	478.7
50°	2243.0	1981.9	1735.8	1519.3	1320.5	1146.9	980.8	843.1	720.2	612.7	515.4
47.5°	2539.1	2243.0	1960.3	1693.3	1470.6	1262.3	1080.8	918.9	772.0	658.7	550.8
45°	2833.8	2513.5	2192.6	1896.1	1615.8	1390.0	1182.8	992.0	837.3	703.1	585.0
42.5°	3121.8	2780.5	2437.2	2092.4	1790.0	1518.8	1280.9	1078.2	900.4	745.7	620.3
40°	3389.0	3041.0	2674.7	2311.2	1964.0	1643.3	1391.5	1163.4	960.8	790.5	655.8
37.5°	3645.0	3284.9	2907.6	2520.6	2137.1	1796.0	1499.1	1244.6	1022.5	841.4	689.6
35°	3864.0	3513.6	3129.9	2723.7	2321.1	1941.2	1601.3	1327.4	1091.4	889.6	721.6
32.5°	4070.5	3723.2	3332.5	2918.7	2495.2	2078.4	1714.9	1414.6	1156.4	935.0	751.7
30°	4251.6	3904.9	3522.8	3102.4	2660.4	2226.5	1832.0	1496.2	1217.3	977.5	781.9
27.5°	4417.4	4075.2	3696.6	3268.6	2818.1	2366.1	1941.2	1572.3	1273.9	1020.9	816.2
25°	4567.6	4222.4	3842.9	3420.8	2964.0	2495.2	2042.0	1643.3	1332.9	1067.0	847.9
22.5°	4696.0	4354.0	3977.3	3560.4	3097.7	2613.5	2141.5	1726.2	1390.0	1109.0	876.7
20°	4812.9	4473.6	4099.3	3684.3	3215.7	2723.7	2238.3	1801.1	1441.6	1146.9	902.8
17.5°	4916.4	4575.6	4199.5	3784.2	3318.9	2821.8	2324.4	1867.7	1487.5	1180.6	925.9
15°	5001.2	4660.4	4285.8	3871.8	3409.2	2907.6	2399.6	1925.8	1527.4	1209.9	946.0
12.5°	5073.8	4733.0	4359.5	3946.5	3486.2	2980.8	2463.7	1975.3	1561.5	1234.9	963.1
10°	5133.9	4792.9	4420.4	4008.1	3549.6	3041.0	2516.4	2016.1	1589.5	1255.4	977.2
7.5°	5181.1	4839.8	4468.0	4056.3	3599.2	3088.1	2557.6	2047.9	1611.3	1271.4	988.1
5°	5215.0	4873.6	4502.2	4090.9	3634.8	3121.8	2587.1	2070.6	1627.0	1282.9	996.0
2.5°	5235.4	4893.9	4522.8	4111.7	3656.3	3142.1	2604.9	2084.3	1636.4	1289.8	1000.7
0°	5242.2	4900.7	4529.7	4118.7	3663.4	3148.9	2610.8	2088.9	1639.5	1292.1	1002.3
-2.5°	5235.4	4893.9	4522.8	4111.7	3656.3	3142.1	2604.9	2084.3	1636.4	1289.8	1000.7
-5°	5215.0	4873.6	4502.2	4090.9	3634.8	3121.8	2587.1	2070.6	1627.0	1282.9	996.0
-7.5°	5181.1	4839.8	4468.0	4056.3	3599.2	3088.1	2557.6	2047.9	1611.3	1271.4	988.1
-10°	5133.9	4792.9	4420.4	4008.1	3549.6	3041.0	2516.4	2016.1	1589.5	1255.4	977.2
-12.5°	5073.8	4733.0	4359.5	3946.5	3486.2	2980.8	2463.7	1975.3	1561.5	1234.9	963.1
-15°	5001.2	4660.4	4285.8	3871.8	3409.2	2907.6	2399.6	1925.8	1527.4	1209.9	946.0
-17.5°	4916.4	4575.6	4199.5	3784.2	3318.9	2821.8	2324.4	1867.7	1487.5	1180.6	925.9
-20°	4812.9	4473.6	4099.3	3684.3	3215.7	2723.7	2238.3	1801.1	1441.6	1146.9	902.8



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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°	4696.0	4354.0	3977.3	3560.4	3097.7	2613.5	2141.5	1726.2	1390.0	1109.0	876.7
-25°	4567.6	4222.4	3842.9	3420.8	2964.0	2495.2	2042.0	1643.3	1332.9	1067.0	847.9
-27.5°	4417.4	4075.2	3696.6	3268.6	2818.1	2366.1	1941.2	1572.3	1273.9	1020.9	816.2
-30°	4251.6	3904.9	3522.8	3102.4	2660.4	2226.5	1832.0	1496.2	1217.3	977.5	781.9
-32.5°	4070.5	3723.2	3332.5	2918.7	2495.2	2078.4	1714.9	1414.6	1156.4	935.0	751.7
-35°	3864.0	3513.6	3129.9	2723.7	2321.1	1941.2	1601.3	1327.4	1091.4	889.6	721.6
-37.5°	3645.0	3284.9	2907.6	2520.6	2137.1	1796.0	1499.1	1244.6	1022.5	841.4	689.6
-40°	3389.0	3041.0	2674.7	2311.2	1964.0	1643.3	1391.5	1163.4	960.8	790.5	655.8
-42.5°	3121.8	2780.5	2437.2	2092.4	1790.0	1518.8	1280.9	1078.2	900.4	745.7	620.3
-45°	2833.8	2513.5	2192.6	1896.1	1615.8	1390.0	1182.8	992.0	837.3	703.1	585.0
-47.5°	2539.1	2243.0	1960.3	1693.3	1470.6	1262.3	1080.8	918.9	772.0	658.7	550.8
-50°	2243.0	1981.9	1735.8	1519.3	1320.5	1146.9	980.8	843.1	720.2	612.7	515.4
-52.5°	1960.3	1735.8	1535.6	1352.8	1186.9	1027.9	894.7	766.8	666.5	569.0	478.7
-55°	1693.3	1519.3	1352.8	1200.2	1054.4	925.9	806.0	705.4	611.2	525.7	440.6
-57.5°	1470.6	1320.5	1186.9	1054.4	936.3	826.7	728.9	642.3	559.7	481.2	399.7
-60°	1262.3	1146.9	1027.9	925.9	826.7	736.7	657.9	580.2	508.4	435.1	357.8
-62.5°	1080.8	980.8	894.7	806.0	728.9	657.9	587.1	522.0	455.9	386.1	314.8
-65°	918.9	843.1	766.8	705.4	642.3	580.2	522.0	462.7	400.3	336.1	272.2
-67.5°	772.0	720.2	666.5	611.2	559.7	508.4	455.9	400.3	343.2	285.1	231.6
-70°	658.7	612.7	569.0	525.7	481.2	435.1	386.1	336.1	285.1	238.0	190.4
-72.5°	550.8	515.4	478.7	440.6	399.7	357.8	314.8	272.2	231.6	190.4	148.5
-75°	449.3	417.7	384.7	350.7	315.6	280.0	246.6	212.4	177.5	142.1	115.9
-77.5°	342.4	315.9	288.4	262.2	235.7	208.5	180.6	152.0	127.5	107.2	86.5
-80°	239.2	219.9	200.0	179.4	158.2	136.7	121.4	105.7	89.7	73.4	56.8
-82.5°	141.0	130.0	119.7	109.1	98.2	86.9	75.4	63.6	51.6	39.4	33.3
-85°	72.2	65.6	58.8	51.7	44.4	37.0	34.1	31.2	28.3	25.3	22.2
-87.5°	25.0	23.8	22.5	21.2	19.9	18.5	17.1	15.6	14.2	12.7	11.1
-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°	9.6	8.0	6.4	4.8	3.2	1.6	0.0
85°	19.1	16.0	12.8	9.6	6.4	3.2	0.0
82.5°	28.7	24.0	19.2	14.4	9.6	4.8	0.0
80°	40.1	31.9	25.6	19.2	12.8	6.4	0.0
77.5°	65.6	44.4	31.9	24.0	16.0	8.0	0.0
75°	90.9	65.6	40.1	28.7	19.1	9.6	0.0
72.5°	115.9	86.5	56.8	33.3	22.2	11.1	0.0
70°	142.1	107.2	73.4	39.4	25.3	12.7	0.0
67.5°	177.5	127.5	89.7	51.6	28.3	14.2	0.0
65°	212.4	152.0	105.7	63.6	31.2	15.6	0.0
62.5°	246.6	180.6	121.4	75.4	34.1	17.1	0.0
60°	280.0	208.5	136.7	86.9	37.0	18.5	0.0
57.5°	315.6	235.7	158.2	98.2	44.4	19.9	0.0
55°	350.7	262.2	179.4	109.1	51.7	21.2	0.0
52.5°	384.7	288.4	200.0	119.7	58.8	22.5	0.0
50°	417.7	315.9	219.9	130.0	65.6	23.8	0.0
47.5°	449.3	342.4	239.2	141.0	72.2	25.0	0.0
45°	478.5	367.8	257.6	154.8	78.5	26.2	0.0
42.5°	506.5	392.3	275.3	168.1	84.6	27.3	0.0
40°	533.3	415.6	293.1	180.7	90.4	28.3	0.0
37.5°	558.7	437.7	310.8	192.7	95.9	29.4	0.0
35°	582.7	458.1	327.5	204.1	101.1	30.3	0.0
32.5°	606.3	476.8	343.2	214.8	106.0	31.2	0.0
30°	630.3	494.4	357.9	224.7	110.5	32.0	0.0
27.5°	652.6	510.7	371.5	234.0	114.7	32.8	0.0
25°	673.1	525.7	384.1	242.5	118.6	33.5	0.0
22.5°	691.8	539.4	395.5	250.2	122.2	34.2	0.0
20°	708.7	551.7	405.8	257.2	125.4	34.8	0.0
17.5°	723.7	562.6	414.9	263.4	128.2	35.3	0.0
15°	736.7	572.1	422.8	268.8	130.6	35.7	0.0
12.5°	747.8	580.2	429.6	273.3	132.7	36.1	0.0
10°	756.9	586.8	435.1	277.1	134.4	36.4	0.0
7.5°	764.0	592.0	439.4	280.0	135.8	36.7	0.0
5°	769.1	595.7	442.5	282.1	136.7	36.9	0.0
2.5°	772.2	598.0	444.4	283.4	137.3	37.0	0.0
0°	773.2	598.7	445.0	283.8	137.5	37.0	0.0
-2.5°	772.2	598.0	444.4	283.4	137.3	37.0	0.0
-5°	769.1	595.7	442.5	282.1	136.7	36.9	0.0
-7.5°	764.0	592.0	439.4	280.0	135.8	36.7	0.0
-10°	756.9	586.8	435.1	277.1	134.4	36.4	0.0
-12.5°	747.8	580.2	429.6	273.3	132.7	36.1	0.0
-15°	736.7	572.1	422.8	268.8	130.6	35.7	0.0
-17.5°	723.7	562.6	414.9	263.4	128.2	35.3	0.0
-20°	708.7	551.7	405.8	257.2	125.4	34.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	691.8	539.4	395.5	250.2	122.2	34.2	0.0
-25°	673.1	525.7	384.1	242.5	118.6	33.5	0.0
-27.5°	652.6	510.7	371.5	234.0	114.7	32.8	0.0
-30°	630.3	494.4	357.9	224.7	110.5	32.0	0.0
-32.5°	606.3	476.8	343.2	214.8	106.0	31.2	0.0
-35°	582.7	458.1	327.5	204.1	101.1	30.3	0.0
-37.5°	558.7	437.7	310.8	192.7	95.9	29.4	0.0
-40°	533.3	415.6	293.1	180.7	90.4	28.3	0.0
-42.5°	506.5	392.3	275.3	168.1	84.6	27.3	0.0
-45°	478.5	367.8	257.6	154.8	78.5	26.2	0.0
-47.5°	449.3	342.4	239.2	141.0	72.2	25.0	0.0
-50°	417.7	315.9	219.9	130.0	65.6	23.8	0.0
-52.5°	384.7	288.4	200.0	119.7	58.8	22.5	0.0
-55°	350.7	262.2	179.4	109.1	51.7	21.2	0.0
-57.5°	315.6	235.7	158.2	98.2	44.4	19.9	0.0
-60°	280.0	208.5	136.7	86.9	37.0	18.5	0.0
-62.5°	246.6	180.6	121.4	75.4	34.1	17.1	0.0
-65°	212.4	152.0	105.7	63.6	31.2	15.6	0.0
-67.5°	177.5	127.5	89.7	51.6	28.3	14.2	0.0
-70°	142.1	107.2	73.4	39.4	25.3	12.7	0.0
-72.5°	115.9	86.5	56.8	33.3	22.2	11.1	0.0
-75°	90.9	65.6	40.1	28.7	19.1	9.6	0.0
-77.5°	65.6	44.4	31.9	24.0	16.0	8.0	0.0
-80°	40.1	31.9	25.6	19.2	12.8	6.4	0.0
-82.5°	28.7	24.0	19.2	14.4	9.6	4.8	0.0
-85°	19.1	16.0	12.8	9.6	6.4	3.2	0.0
-87.5°	9.6	8.0	6.4	4.8	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)