

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: P645409 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645409 (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-SA3B-735-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

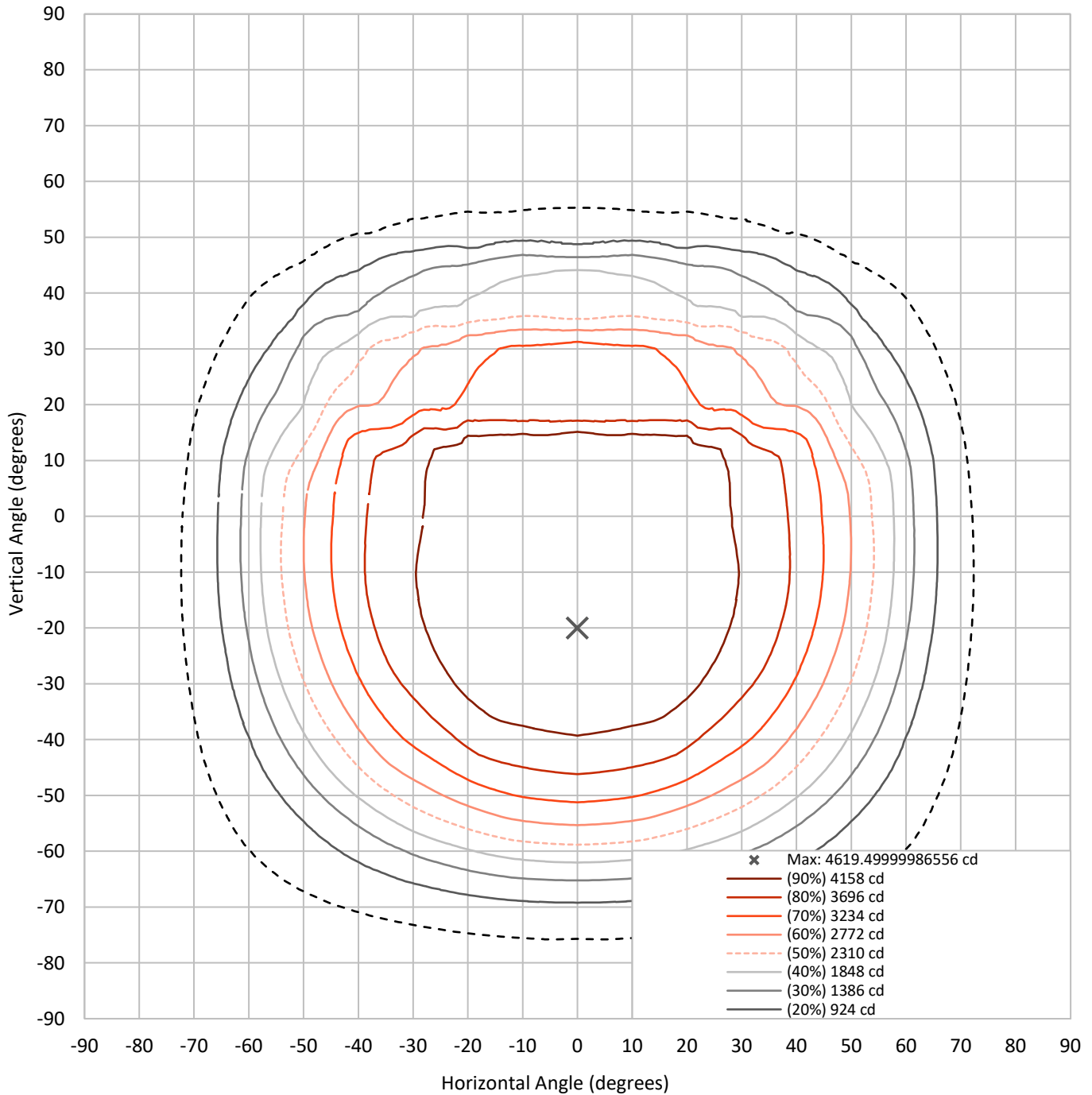
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10832 lumens	Max Intensity:	4619.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	115.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	8467.8 lumens	Field Lumens:	10616.8 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	93.7		
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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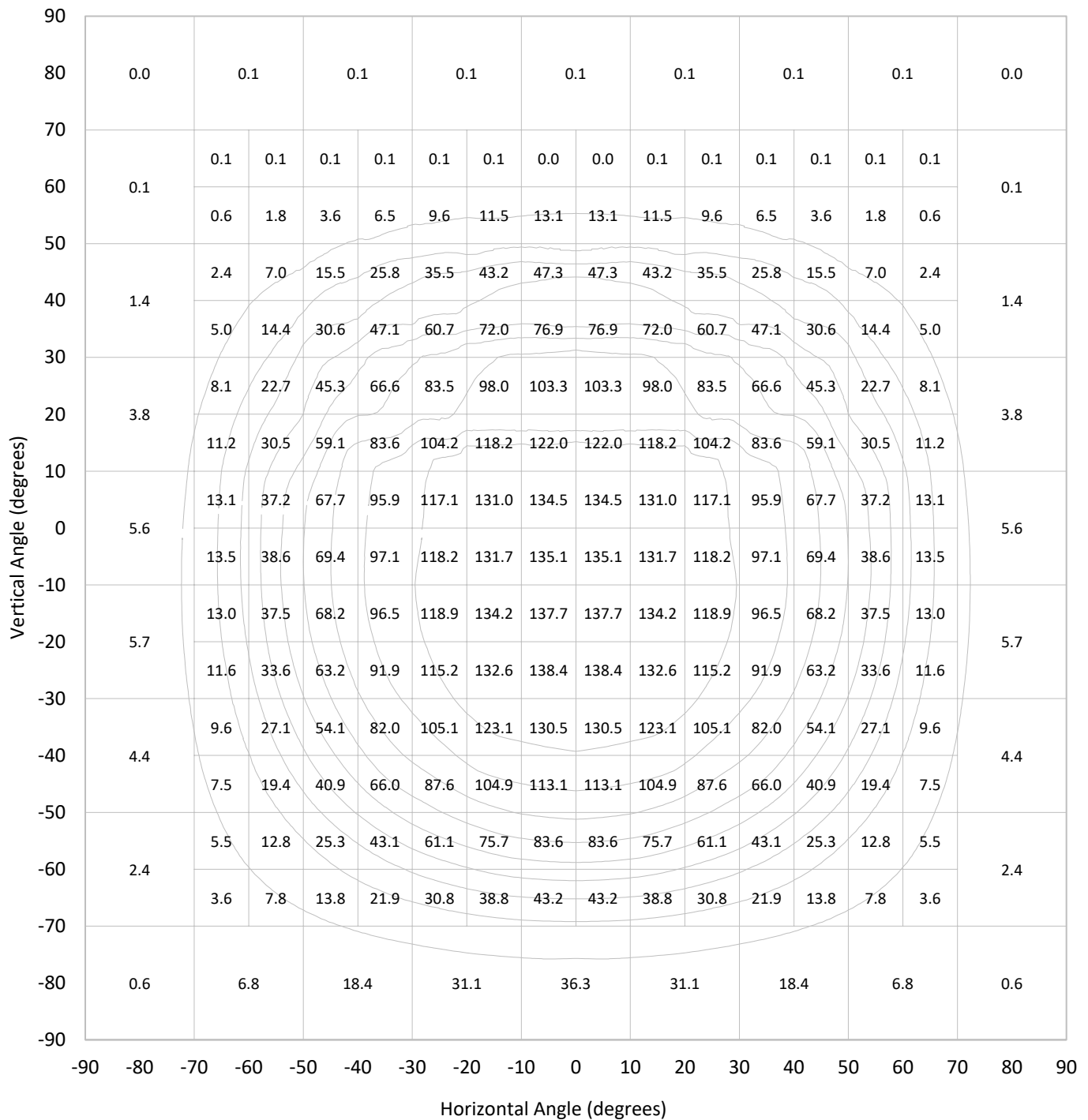
Iso-Candela Plot





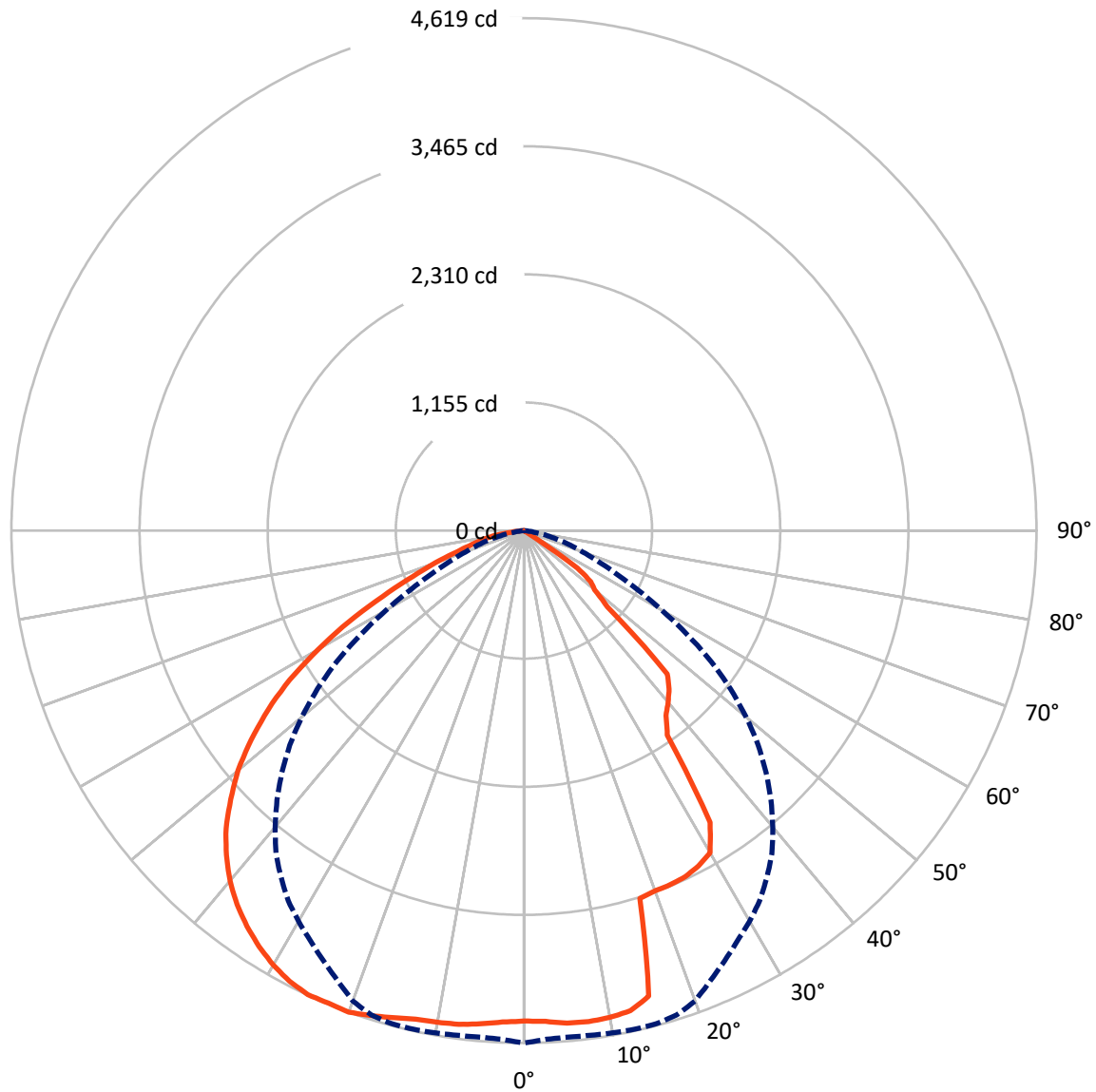
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Lumen Table



REPORT NUMBER: P645409 (CONVERTED FROM TYPE C PHOTOMETRY)
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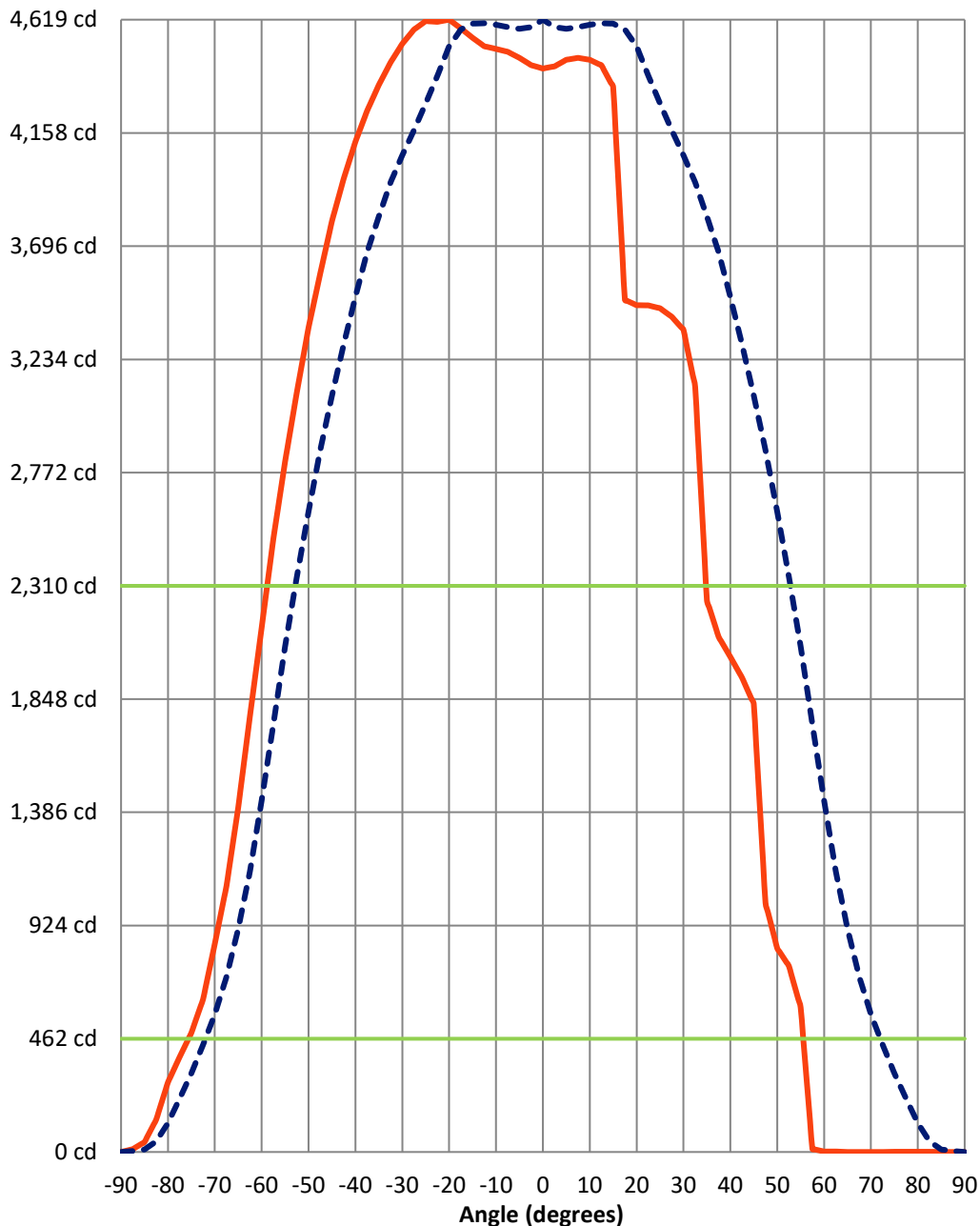
Luminous Intensity Polar Plot



— 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: 8467.8
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 10616.8
 Efficiency: 98.0%

Spill:
 Lumens: 215.1
 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	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.4
85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.0	1.0	0.9
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.6	1.5	1.3	1.0
80°	0.0	0.4	0.7	1.0	1.4	1.7	2.0	1.8	1.5	1.3	1.0
77.5°	0.0	0.5	0.9	1.3	1.7	2.0	2.0	1.8	1.5	1.3	1.1
75°	0.0	0.7	1.1	1.5	2.0	2.1	2.0	1.8	1.6	1.3	1.1
72.5°	0.0	0.8	1.2	1.8	2.1	2.2	2.1	1.8	1.6	1.3	1.1
70°	0.0	0.9	1.4	2.0	2.2	2.2	2.1	1.8	1.6	1.4	1.6
67.5°	0.0	1.0	1.6	2.1	2.3	2.3	2.3	1.9	1.7	2.2	2.2
65°	0.0	1.1	1.8	2.2	2.4	2.6	2.7	1.9	2.6	3.1	3.9
62.5°	0.0	1.2	1.9	2.3	2.5	3.3	3.1	2.7	3.7	5.4	8.6
60°	0.0	1.3	2.1	2.4	2.6	4.0	3.7	3.7	4.7	13.7	14.9
57.5°	0.0	1.4	2.2	2.5	3.4	4.7	6.8	5.2	13.4	23.3	27.0
55°	0.0	1.5	2.4	2.6	4.2	5.6	10.8	8.5	24.9	35.9	43.8
52.5°	0.0	1.6	2.5	2.7	5.0	7.2	15.4	21.6	37.3	56.4	63.5
50°	0.0	1.7	2.6	2.9	5.9	12.2	20.8	36.5	53.4	79.1	99.2
47.5°	0.0	1.8	2.7	3.1	6.9	17.7	28.0	52.1	76.9	104.1	135.6
45°	0.0	1.9	2.8	3.9	7.8	23.5	42.2	68.5	103.3	135.7	171.0
42.5°	0.0	2.0	2.9	4.6	8.9	29.7	56.8	89.2	130.1	166.5	211.8
40°	0.0	2.1	3.1	5.6	11.9	36.3	71.7	112.8	157.7	196.7	255.5
37.5°	0.0	2.1	3.2	6.7	17.1	43.2	86.9	136.4	186.7	232.9	301.1
35°	0.0	2.2	3.3	8.0	22.3	53.7	102.3	160.0	216.1	277.5	355.0
32.5°	0.0	2.3	3.4	9.5	27.6	65.9	119.0	183.5	245.9	322.2	420.6
30°	0.0	2.4	3.6	11.0	32.9	78.0	138.1	207.3	275.9	367.1	483.5
27.5°	0.0	2.5	3.7	12.7	39.5	89.9	156.9	232.0	309.0	412.0	543.6
25°	0.0	2.5	3.8	14.4	46.3	101.6	175.2	256.5	346.2	460.9	601.0
22.5°	0.0	2.6	3.9	16.3	53.0	113.6	192.9	280.6	382.7	509.9	659.0
20°	0.0	2.7	4.1	18.1	59.7	126.4	210.1	304.2	418.3	556.1	715.6
17.5°	0.0	2.7	4.2	20.1	66.2	138.8	227.1	327.1	452.8	599.4	770.5
15°	0.0	2.8	4.3	22.0	72.6	150.8	243.4	348.3	485.8	639.8	823.2
12.5°	0.0	2.8	4.4	23.9	78.8	162.1	258.7	367.3	512.2	677.3	873.3
10°	0.0	2.9	4.5	25.8	84.7	172.9	272.8	384.8	531.9	699.7	914.1
7.5°	0.0	2.9	4.6	27.6	90.3	182.9	285.8	400.7	548.7	717.1	938.0
5°	0.0	2.9	4.7	29.4	95.5	192.2	297.6	415.1	562.7	731.1	957.3
2.5°	0.0	3.0	4.8	31.0	100.2	200.6	308.2	427.8	574.0	741.9	972.1
0°	0.0	3.0	4.9	32.5	104.5	208.1	317.6	438.9	582.9	749.5	982.3
-2.5°	0.0	3.2	5.7	34.6	108.5	212.8	322.2	445.4	586.1	759.2	988.9
-5°	0.0	3.3	6.4	36.6	111.9	216.6	325.6	450.1	587.2	765.5	991.1
-7.5°	0.0	3.5	7.2	38.3	114.6	219.3	327.8	453.0	586.3	768.0	988.9
-10°	0.0	3.6	7.9	39.8	116.7	221.0	328.8	454.1	583.8	766.5	982.6
-12.5°	0.0	3.8	8.6	41.1	118.1	221.7	328.6	453.4	579.8	760.4	971.8
-15°	0.0	3.9	9.2	42.1	118.8	221.4	327.3	450.7	575.2	748.3	956.1
-17.5°	0.0	4.0	9.8	42.9	118.7	220.0	324.9	445.3	569.6	733.2	935.8
-20°	0.0	4.1	10.4	43.3	117.9	217.7	321.2	437.5	561.6	715.3	910.7

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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	4.2	10.9	43.5	116.2	214.4	315.8	428.2	551.3	694.6	880.9
-25°	0.0	4.2	11.3	43.3	113.8	209.2	309.2	417.4	538.5	671.2	846.3
-27.5°	0.0	4.3	11.7	42.7	110.5	202.8	301.3	405.1	523.2	648.7	815.7
-30°	0.0	4.3	12.0	41.9	106.3	195.5	292.3	391.4	506.5	629.6	783.1
-32.5°	0.0	4.3	12.2	40.6	101.5	187.3	281.9	378.7	488.8	607.5	748.1
-35°	0.0	4.3	12.4	39.0	96.1	178.3	270.8	365.4	469.7	582.5	711.0
-37.5°	0.0	4.3	12.4	37.1	90.2	169.3	258.8	350.6	449.2	554.6	674.4
-40°	0.0	4.2	12.5	34.8	83.7	161.0	245.9	334.5	427.3	528.2	638.3
-42.5°	0.0	4.2	12.4	32.3	78.9	152.2	232.1	317.0	406.3	500.4	599.4
-45°	0.0	4.1	12.2	29.8	75.5	142.9	217.4	298.9	384.7	470.7	559.1
-47.5°	0.0	4.0	12.0	26.9	71.6	133.0	201.9	280.8	361.6	439.5	524.2
-50°	0.0	3.8	11.7	25.9	67.0	122.5	189.0	261.8	336.0	410.9	487.7
-52.5°	0.0	3.7	11.3	25.4	61.9	111.6	176.0	242.0	311.6	381.4	450.2
-55°	0.0	3.6	10.9	24.6	56.3	103.3	162.5	221.9	287.0	351.2	416.9
-57.5°	0.0	3.4	10.3	23.5	50.1	94.9	148.6	205.9	261.7	322.1	382.9
-60°	0.0	3.2	9.7	22.2	43.6	85.7	134.4	188.3	236.3	292.8	349.0
-62.5°	0.0	3.0	9.2	20.6	40.5	75.8	121.4	169.1	212.8	262.7	315.7
-65°	0.0	2.8	8.5	18.8	36.9	65.3	107.5	149.2	187.9	232.4	281.6
-67.5°	0.0	2.5	7.8	16.7	33.0	56.4	92.7	129.4	161.8	200.9	244.9
-70°	0.0	2.3	7.1	14.5	28.7	49.4	77.2	109.2	138.3	167.9	205.7
-72.5°	0.0	2.0	6.3	12.8	24.0	41.8	65.3	88.5	114.4	140.6	167.1
-75°	0.0	1.8	5.4	11.1	19.1	33.7	53.3	71.3	90.0	112.9	136.0
-77.5°	0.0	1.5	4.6	9.4	15.8	25.3	40.8	55.1	70.0	86.1	104.4
-80°	0.0	1.2	3.7	7.6	12.8	19.3	27.8	38.6	50.1	62.6	75.9
-82.5°	0.0	0.9	2.8	5.7	9.6	14.6	20.4	24.8	29.9	38.7	48.2
-85°	0.0	0.6	1.9	3.8	6.5	9.8	13.7	16.6	19.5	22.6	25.8
-87.5°	0.0	0.3	0.9	1.9	3.2	4.9	6.9	8.3	9.8	11.3	12.9
-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):

	-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°	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8
85°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.2	1.3	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.6	1.6	1.4	1.2	1.0	1.1	1.1	1.1	1.0	1.0	1.0
67.5°	1.9	1.7	1.5	1.4	1.4	1.5	1.5	1.2	1.0	1.0	1.0
65°	2.0	1.7	2.5	2.8	2.1	1.8	1.5	1.3	1.4	1.4	1.4
62.5°	3.0	3.7	4.7	8.4	6.3	1.8	3.3	3.8	2.8	2.3	2.5
60°	9.6	6.6	19.5	27.9	17.4	6.3	7.7	25.8	22.3	4.1	13.9
57.5°	20.3	27.8	51.2	52.1	36.0	24.8	72.3	83.5	63.2	36.9	56.5
55°	44.6	68.5	84.9	78.6	85.8	129.9	154.4	138.7	116.8	179.6	229.5
52.5°	87.1	111.5	117.1	134.4	192.4	221.1	211.8	226.6	293.8	364.8	380.2
50°	128.6	148.6	164.1	237.3	282.7	285.6	306.7	373.3	462.9	506.4	495.9
47.5°	168.7	189.4	261.9	332.2	352.6	380.5	433.2	561.8	656.8	658.6	647.9
45°	211.1	266.3	358.9	404.8	437.8	491.8	619.1	796.4	805.6	831.4	989.8
42.5°	256.4	353.3	434.0	481.7	535.1	635.9	805.7	922.0	962.0	1074.8	1202.3
40°	329.9	437.2	507.8	568.7	637.5	784.5	970.4	1079.4	1111.9	1209.5	1305.4
37.5°	404.4	507.3	586.4	660.0	755.2	953.6	1168.8	1258.6	1275.0	1292.9	1505.3
35°	476.2	579.3	673.9	770.1	886.9	1172.6	1360.6	1445.1	1442.5	1563.1	1785.4
32.5°	543.3	652.8	764.4	893.2	1085.8	1378.5	1566.6	1617.2	1694.0	1869.4	2172.8
30°	610.3	734.7	863.0	1016.3	1260.4	1514.1	1728.8	1810.2	1941.8	2142.0	2362.8
27.5°	679.4	818.8	973.8	1153.6	1398.2	1631.4	1814.8	2009.4	2137.2	2316.6	2473.7
25°	748.1	907.8	1083.3	1273.6	1496.7	1714.0	1903.7	2128.4	2265.7	2410.3	2556.9
22.5°	820.2	998.0	1196.3	1368.6	1579.7	1784.3	2010.1	2253.8	2432.3	2524.2	2622.6
20°	895.6	1095.6	1307.1	1498.1	1661.7	1849.5	2116.9	2413.0	2643.4	2746.8	2760.3
17.5°	969.8	1190.2	1417.6	1624.3	1800.8	1968.0	2229.1	2603.8	2890.2	2986.3	3029.1
15°	1042.3	1281.2	1527.5	1747.2	1940.9	2145.4	2424.2	2805.2	3132.7	3239.0	3306.4
12.5°	1112.2	1368.0	1635.6	1866.0	2081.1	2310.5	2601.3	2950.1	3249.0	3454.8	3578.3
10°	1178.8	1449.9	1740.6	1980.1	2219.8	2463.6	2747.9	3058.1	3301.4	3499.9	3675.2
7.5°	1212.4	1503.4	1830.7	2088.6	2354.9	2605.1	2867.9	3134.2	3339.1	3533.9	3703.3
5°	1235.2	1525.4	1858.9	2126.4	2426.7	2699.5	2954.7	3184.2	3363.8	3556.8	3722.2
2.5°	1251.5	1539.6	1878.0	2147.1	2453.6	2728.6	2979.7	3201.0	3384.1	3573.1	3742.6
0°	1261.4	1546.4	1887.7	2159.9	2470.5	2747.7	2994.2	3207.3	3397.6	3581.0	3763.5
-2.5°	1267.0	1567.1	1894.2	2192.6	2486.8	2764.1	3014.6	3222.5	3421.4	3595.9	3778.9
-5°	1266.3	1579.4	1892.5	2214.6	2494.7	2770.5	3024.7	3229.4	3434.3	3607.1	3785.2
-7.5°	1259.4	1582.3	1883.9	2221.5	2495.0	2768.4	3020.3	3232.7	3434.1	3617.4	3785.7
-10°	1247.1	1571.1	1876.0	2203.7	2485.4	2757.1	3006.6	3225.4	3426.1	3615.3	3782.4
-12.5°	1232.7	1548.0	1859.6	2178.0	2466.0	2736.2	2985.9	3206.9	3411.1	3599.8	3774.9
-15°	1211.0	1517.4	1832.6	2145.4	2436.4	2705.7	2959.1	3176.8	3387.9	3572.8	3752.5
-17.5°	1181.8	1479.4	1794.5	2106.7	2396.5	2665.8	2924.6	3137.0	3347.1	3538.1	3711.6
-20°	1145.1	1434.3	1745.2	2062.8	2345.9	2612.4	2863.0	3085.5	3294.2	3488.5	3670.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1100.7	1382.6	1685.7	2003.4	2282.7	2546.2	2793.9	3019.9	3236.2	3424.1	3618.4
-25°	1056.2	1327.9	1619.9	1921.3	2209.3	2471.7	2720.1	2940.3	3161.4	3356.8	3541.3
-27.5°	1013.6	1264.4	1543.6	1830.9	2126.2	2387.3	2633.5	2853.9	3068.5	3282.2	3459.8
-30°	965.8	1190.9	1460.0	1734.4	2022.2	2288.1	2536.1	2764.8	2969.0	3180.0	3370.8
-32.5°	913.0	1113.0	1371.6	1635.6	1907.0	2178.8	2424.5	2651.6	2864.1	3063.7	3263.9
-35°	861.4	1050.1	1278.0	1529.5	1785.0	2051.6	2297.4	2522.4	2742.9	2940.6	3132.0
-37.5°	815.0	982.0	1178.5	1418.8	1662.9	1915.1	2165.1	2382.9	2592.8	2810.1	2996.6
-40°	764.8	908.9	1092.4	1304.7	1534.8	1774.6	2014.0	2239.3	2436.6	2651.4	2856.5
-42.5°	712.2	849.3	1007.3	1183.9	1401.2	1627.3	1858.4	2078.8	2283.6	2486.3	2689.6
-45°	666.1	786.2	920.9	1082.2	1259.0	1471.7	1690.5	1910.3	2106.8	2299.9	2500.7
-47.5°	617.1	722.8	847.3	976.2	1129.9	1307.7	1513.5	1716.1	1917.4	2101.1	2278.8
-50°	568.4	665.7	768.0	884.1	1010.9	1155.1	1326.0	1514.3	1698.1	1886.8	2062.8
-52.5°	526.3	605.7	698.2	795.0	903.6	1022.8	1159.8	1314.5	1481.6	1641.8	1817.3
-55°	482.7	554.3	628.9	714.1	804.5	905.1	1017.4	1147.4	1275.0	1423.0	1566.4
-57.5°	442.9	503.3	566.9	637.3	715.8	796.3	894.4	995.6	1111.3	1226.4	1339.9
-60°	405.4	454.7	508.7	568.3	631.4	703.1	776.3	863.2	956.4	1048.2	1144.5
-62.5°	367.6	409.1	453.1	502.6	557.6	611.7	674.3	741.2	809.8	887.7	963.6
-65°	328.7	362.3	399.6	440.6	484.5	530.6	578.7	628.2	686.6	743.7	798.9
-67.5°	287.4	316.1	346.3	378.6	415.5	451.7	487.8	529.7	572.7	614.9	658.6
-70°	241.6	268.7	293.9	320.1	347.5	375.8	406.7	437.4	467.7	499.3	534.5
-72.5°	195.1	220.0	242.1	261.5	284.0	307.6	330.1	351.7	374.5	398.6	422.3
-75°	155.6	172.1	191.8	209.9	227.7	244.4	259.3	277.5	296.6	314.1	328.4
-77.5°	121.4	136.4	149.9	162.0	176.2	192.9	207.4	219.8	232.0	245.2	259.2
-80°	88.3	100.7	113.0	124.3	132.4	141.9	153.0	165.7	176.7	185.7	193.9
-82.5°	57.0	66.0	75.2	84.5	88.3	90.9	93.3	97.7	104.6	111.3	117.7
-85°	28.5	31.1	36.6	42.4	44.3	45.7	46.7	47.2	49.5	51.6	53.5
-87.5°	14.2	15.5	16.8	18.1	17.4	16.5	15.3	14.0	13.6	13.2	12.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-735-U-LAM-VSR-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°	0.8	0.8	0.9	0.9	0.9	0.7	0.5	0.2	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.7	0.5
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.6
65°	1.4	1.4	1.4	1.4	1.2	1.2	1.2	1.2	1.1	0.9	0.6
62.5°	2.5	2.8	2.2	2.2	2.2	2.1	2.0	1.9	1.8	1.7	1.8
60°	15.5	9.2	5.4	6.3	5.6	3.8	4.8	5.6	5.6	5.2	4.5
57.5°	85.7	64.0	47.4	113.2	113.5	54.2	65.3	102.6	84.5	27.7	25.8
55°	238.5	285.2	375.4	356.6	362.4	416.8	455.1	402.9	394.9	420.8	486.2
52.5°	428.4	473.0	503.3	531.7	566.2	603.3	641.6	665.9	688.7	712.9	727.3
50°	547.1	609.9	653.0	637.1	726.5	763.1	726.0	759.2	799.7	810.8	816.0
47.5°	807.9	899.9	918.2	977.6	1030.9	1029.8	984.5	987.2	1107.6	1213.9	1266.1
45°	1161.0	1164.1	1222.1	1326.9	1401.8	1378.2	1441.4	1585.0	1632.9	1679.2	1717.1
42.5°	1298.6	1355.6	1448.0	1540.7	1596.6	1645.0	1691.7	1744.6	1806.7	1857.1	1897.3
40°	1431.8	1477.7	1572.4	1647.0	1693.3	1738.5	1793.0	1851.5	1908.4	1952.6	1982.8
37.5°	1636.8	1672.4	1695.5	1764.8	1852.3	1811.9	1915.4	1989.6	2023.4	2068.4	2072.4
35°	1947.0	1923.4	1892.7	2168.4	2184.9	2091.8	2188.6	2303.6	2243.0	2369.2	2437.1
32.5°	2222.1	2218.6	2459.2	2604.2	2520.7	2588.8	2811.9	2802.0	2950.7	3019.6	3000.0
30°	2481.2	2569.6	2708.8	2816.7	2831.1	2938.5	3037.6	3124.3	3214.1	3294.5	3300.1
27.5°	2612.7	2728.1	2822.5	2885.0	2954.7	3045.0	3135.0	3232.7	3309.0	3359.4	3371.8
25°	2692.3	2810.1	2881.6	2948.9	3025.8	3103.8	3204.4	3310.8	3372.1	3403.3	3413.2
22.5°	2762.4	2868.3	2945.2	2999.7	3082.6	3166.4	3260.2	3350.3	3416.9	3430.6	3435.5
20°	2829.9	2931.7	3060.1	3140.4	3136.4	3230.9	3321.3	3393.0	3448.5	3448.2	3449.5
17.5°	3025.3	3061.6	3294.7	3471.6	3384.0	3337.8	3586.5	3591.2	3605.9	3576.6	3513.0
15°	3314.5	3380.6	3666.9	3858.8	3798.4	3795.2	4154.4	4065.3	4142.0	4121.9	4208.2
12.5°	3620.8	3699.1	3913.1	4101.4	4191.3	4213.3	4333.3	4445.7	4468.8	4459.7	4442.7
10°	3829.5	3941.0	4026.9	4141.3	4231.8	4324.2	4393.7	4474.5	4500.9	4485.6	4464.0
7.5°	3856.6	3966.9	4067.8	4168.1	4254.4	4328.8	4400.9	4466.6	4493.5	4484.6	4469.8
5°	3873.9	3973.8	4071.6	4173.4	4255.8	4324.8	4396.7	4463.3	4479.1	4468.5	4454.0
2.5°	3884.5	3977.0	4071.3	4172.6	4247.5	4313.2	4385.9	4456.9	4456.8	4452.2	4443.7
0°	3889.7	3982.4	4091.9	4183.6	4267.5	4329.6	4401.6	4470.6	4465.7	4452.9	4438.1
-2.5°	3900.8	3994.8	4106.5	4182.5	4277.0	4333.9	4408.3	4468.1	4465.8	4459.5	4452.2
-5°	3910.7	4016.4	4120.9	4200.8	4295.6	4370.0	4443.9	4490.7	4493.2	4484.4	4472.0
-7.5°	3916.7	4033.9	4133.6	4213.9	4305.8	4392.3	4467.3	4516.3	4517.4	4505.7	4491.0
-10°	3914.7	4038.4	4141.0	4224.0	4318.1	4403.5	4481.9	4544.2	4542.1	4531.0	4518.4
-12.5°	3907.3	4030.8	4136.2	4219.4	4326.3	4414.2	4502.5	4564.3	4567.6	4559.3	4545.7
-15°	3891.0	4018.6	4121.1	4212.0	4316.7	4419.5	4510.2	4578.5	4590.6	4583.8	4573.1
-17.5°	3858.9	3993.5	4102.2	4200.2	4300.6	4410.2	4513.3	4588.0	4604.7	4602.0	4593.0
-20°	3816.7	3955.6	4066.0	4168.6	4278.0	4390.9	4510.8	4579.1	4603.3	4604.8	4598.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645409 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3769.4	3905.3	4022.4	4123.3	4241.9	4356.2	4464.8	4544.7	4585.3	4592.9	4593.4
-25°	3712.6	3852.3	3968.6	4076.0	4186.4	4304.4	4414.2	4503.4	4544.5	4564.2	4570.3
-27.5°	3632.4	3776.7	3891.2	4004.7	4117.0	4238.9	4354.3	4451.3	4484.7	4511.8	4522.6
-30°	3538.3	3681.1	3797.8	3901.6	4030.0	4154.3	4273.4	4358.0	4408.5	4439.4	4456.3
-32.5°	3430.2	3574.3	3696.8	3805.2	3927.2	4051.5	4163.6	4252.8	4322.4	4358.1	4376.1
-35°	3313.0	3460.1	3588.4	3702.6	3817.4	3935.9	4052.0	4145.4	4224.7	4255.3	4277.9
-37.5°	3171.6	3333.9	3465.4	3583.2	3692.3	3803.7	3924.6	4031.4	4108.4	4138.1	4162.0
-40°	3026.6	3183.4	3316.1	3441.7	3549.6	3671.2	3787.7	3899.6	3966.4	4001.1	4028.1
-42.5°	2873.5	3015.2	3141.4	3263.4	3383.6	3508.8	3625.2	3741.4	3799.2	3841.0	3874.1
-45°	2696.8	2828.7	2951.3	3065.5	3189.3	3312.4	3428.9	3531.6	3600.4	3654.8	3697.1
-47.5°	2461.2	2621.9	2745.0	2853.6	2976.4	3095.2	3208.0	3304.6	3380.0	3443.6	3492.8
-50°	2222.0	2376.1	2515.0	2637.0	2751.0	2860.8	2968.2	3062.7	3142.5	3211.4	3261.2
-52.5°	1986.4	2130.8	2268.6	2394.5	2504.1	2607.7	2706.0	2801.1	2885.2	2958.9	3007.1
-55°	1720.1	1869.8	2006.0	2123.5	2232.9	2335.4	2432.5	2522.6	2605.4	2680.5	2726.7
-57.5°	1470.4	1601.6	1728.4	1836.8	1940.1	2037.7	2129.7	2216.1	2295.8	2366.5	2410.9
-60°	1240.8	1336.5	1445.6	1545.7	1637.3	1720.4	1806.2	1886.7	1959.9	2022.0	2063.5
-62.5°	1037.9	1117.2	1196.0	1272.1	1346.4	1421.0	1492.9	1559.6	1620.8	1671.7	1708.0
-65°	857.1	920.8	977.8	1031.8	1083.2	1142.1	1196.7	1248.1	1295.7	1334.7	1362.4
-67.5°	705.7	750.5	789.9	827.0	867.5	909.1	948.1	982.1	1011.2	1034.3	1052.6
-70°	569.1	602.1	631.8	661.3	691.0	718.0	743.8	768.8	792.5	811.8	826.3
-72.5°	445.7	468.2	488.5	511.2	532.5	553.1	570.9	585.3	596.5	607.4	616.9
-75°	339.8	356.7	379.5	398.8	414.7	428.8	441.7	453.2	463.3	472.2	480.1
-77.5°	273.3	287.7	302.2	316.3	329.8	339.9	349.3	358.7	367.9	375.9	382.9
-80°	202.6	213.3	224.5	235.8	247.0	252.6	257.1	261.2	264.8	269.6	274.0
-82.5°	123.8	129.9	136.2	142.5	148.8	150.4	150.9	150.7	149.9	148.2	145.6
-85°	55.1	55.4	55.3	54.6	53.6	51.4	48.7	45.7	42.2	41.6	41.0
-87.5°	12.1	11.9	11.5	11.1	10.7	10.7	10.6	10.5	10.4	10.8	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



REPORT NUMBER: P645409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-735-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	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.9	0.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	0.5	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	0.5	0.0	0.5	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.6	0.9	1.0	1.0
65°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	1.2
62.5°	1.8	1.9	2.0	2.0	2.0	1.9	1.8	1.8	1.7	1.8	1.9
60°	3.6	2.4	2.0	2.0	2.0	2.4	3.6	4.5	5.2	5.6	5.6
57.5°	21.8	16.3	13.8	12.8	13.8	16.3	21.8	25.8	27.7	84.5	102.6
55°	533.0	560.1	580.4	589.8	580.4	560.1	533.0	486.2	420.8	394.9	402.9
52.5°	740.0	751.8	758.6	758.4	758.6	751.8	740.0	727.3	712.9	688.7	665.9
50°	824.9	830.6	832.6	831.4	832.6	830.6	824.9	816.0	810.8	799.7	759.2
47.5°	1218.4	1112.9	1035.4	1016.8	1035.4	1112.9	1218.4	1266.1	1213.9	1107.6	987.2
45°	1735.3	1775.3	1815.1	1827.5	1815.1	1775.3	1735.3	1717.1	1679.2	1632.9	1585.0
42.5°	1914.3	1927.3	1934.7	1935.0	1934.7	1927.3	1914.3	1897.3	1857.1	1806.7	1744.6
40°	1999.7	2012.0	2019.2	2019.8	2019.2	2012.0	1999.7	1982.8	1952.6	1908.4	1851.5
37.5°	2077.3	2087.8	2094.7	2101.7	2094.7	2087.8	2077.3	2072.4	2068.4	2023.4	1989.6
35°	2427.9	2348.5	2234.3	2251.6	2234.3	2348.5	2427.9	2437.1	2369.2	2243.0	2303.6
32.5°	3030.7	3064.1	3084.9	3120.5	3084.9	3064.1	3030.7	3000.0	3019.6	2950.7	2802.0
30°	3308.9	3319.9	3336.6	3354.2	3336.6	3319.9	3308.9	3300.1	3294.5	3214.1	3124.3
27.5°	3378.3	3389.7	3399.8	3407.5	3399.8	3389.7	3378.3	3371.8	3359.4	3309.0	3232.7
25°	3414.6	3421.7	3432.5	3442.0	3432.5	3421.7	3414.6	3413.2	3403.3	3372.1	3310.8
22.5°	3432.7	3433.4	3441.9	3453.8	3441.9	3433.4	3432.7	3435.5	3430.6	3416.9	3350.3
20°	3445.0	3438.3	3447.1	3454.8	3447.1	3438.3	3445.0	3449.5	3448.2	3448.5	3393.0
17.5°	3602.7	3512.8	3475.8	3476.5	3475.8	3512.8	3602.7	3513.0	3576.6	3605.9	3591.2
15°	4111.4	4145.1	4274.5	4344.4	4274.5	4145.1	4111.4	4208.2	4121.9	4142.0	4065.3
12.5°	4439.6	4427.6	4412.2	4433.1	4412.2	4427.6	4439.6	4442.7	4459.7	4468.8	4445.7
10°	4454.7	4453.4	4426.1	4455.8	4426.1	4453.4	4454.7	4464.0	4485.6	4500.9	4474.5
7.5°	4445.4	4446.3	4434.6	4463.7	4434.6	4446.3	4445.4	4469.8	4484.6	4493.5	4466.6
5°	4451.6	4431.5	4439.2	4455.8	4439.2	4431.5	4451.6	4454.0	4468.5	4479.1	4463.3
2.5°	4434.4	4432.3	4417.5	4429.2	4417.5	4432.3	4434.4	4443.7	4452.2	4456.8	4456.9
0°	4421.3	4410.5	4410.5	4420.3	4410.5	4410.5	4421.3	4438.1	4452.9	4465.7	4470.6
-2.5°	4444.6	4442.4	4441.0	4434.1	4441.0	4442.4	4444.6	4452.2	4459.5	4465.8	4468.1
-5°	4463.8	4458.0	4441.8	4463.7	4441.8	4458.0	4463.8	4472.0	4484.4	4493.2	4490.7
-7.5°	4484.4	4469.4	4454.1	4488.4	4454.1	4469.4	4484.4	4491.0	4505.7	4517.4	4516.3
-10°	4503.3	4481.6	4466.7	4500.2	4466.7	4481.6	4503.3	4518.4	4531.0	4542.1	4544.2
-12.5°	4528.2	4502.9	4492.9	4511.1	4492.9	4502.9	4528.2	4545.7	4559.3	4567.6	4564.3
-15°	4554.7	4537.2	4534.9	4545.6	4534.9	4537.2	4554.7	4573.1	4583.8	4590.6	4578.5
-17.5°	4578.1	4565.8	4571.9	4584.0	4571.9	4565.8	4578.1	4593.0	4602.0	4604.7	4588.0
-20°	4589.2	4582.3	4589.1	4619.5	4589.1	4582.3	4589.2	4598.7	4604.8	4603.3	4579.1



REPORT NUMBER: P645409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-735-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°	4588.2	4588.7	4600.8	4610.7	4600.8	4588.7	4588.2	4593.4	4592.9	4585.3	4544.7
-25°	4570.7	4580.0	4593.8	4613.6	4593.8	4580.0	4570.7	4570.3	4564.2	4544.5	4503.4
-27.5°	4528.5	4543.9	4558.3	4579.1	4558.3	4543.9	4528.5	4522.6	4511.8	4484.7	4451.3
-30°	4467.4	4485.7	4498.6	4520.9	4498.6	4485.7	4467.4	4456.3	4439.4	4408.5	4358.0
-32.5°	4393.1	4413.8	4429.1	4445.0	4429.1	4413.8	4393.1	4376.1	4358.1	4322.4	4252.8
-35°	4300.3	4322.5	4338.7	4353.3	4338.7	4322.5	4300.3	4277.9	4255.3	4224.7	4145.4
-37.5°	4188.7	4212.7	4231.2	4247.7	4231.2	4212.7	4188.7	4162.0	4138.1	4108.4	4031.4
-40°	4058.7	4083.3	4103.0	4121.5	4103.0	4083.3	4058.7	4028.1	4001.1	3966.4	3899.6
-42.5°	3906.7	3931.5	3951.9	3970.6	3951.9	3931.5	3906.7	3874.1	3841.0	3799.2	3741.4
-45°	3731.2	3756.7	3778.2	3798.0	3778.2	3756.7	3731.2	3697.1	3654.8	3600.4	3531.6
-47.5°	3529.0	3556.3	3574.8	3584.0	3574.8	3556.3	3529.0	3492.8	3443.6	3380.0	3304.6
-50°	3297.3	3324.6	3346.7	3363.1	3346.7	3324.6	3297.3	3261.2	3211.4	3142.5	3062.7
-52.5°	3042.2	3068.2	3087.3	3098.8	3087.3	3068.2	3042.2	3007.1	2958.9	2885.2	2801.1
-55°	2763.0	2790.2	2808.3	2816.7	2808.3	2790.2	2763.0	2726.7	2680.5	2605.4	2522.6
-57.5°	2446.2	2472.1	2491.3	2502.1	2491.3	2472.1	2446.2	2410.9	2366.5	2295.8	2216.1
-60°	2095.8	2118.9	2133.5	2139.2	2133.5	2118.9	2095.8	2063.5	2022.0	1959.9	1886.7
-62.5°	1737.4	1759.2	1772.9	1778.2	1772.9	1759.2	1737.4	1708.0	1671.7	1620.8	1559.6
-65°	1383.0	1396.7	1404.3	1405.4	1404.3	1396.7	1383.0	1362.4	1334.7	1295.7	1248.1
-67.5°	1067.0	1077.4	1083.8	1085.9	1083.8	1077.4	1067.0	1052.6	1034.3	1011.2	982.1
-70°	837.2	844.4	848.5	849.2	848.5	844.4	837.2	826.3	811.8	792.5	768.8
-72.5°	624.2	629.4	627.5	623.3	627.5	629.4	624.2	616.9	607.4	596.5	585.3
-75°	486.9	492.6	490.2	486.2	490.2	492.6	486.9	480.1	472.2	463.3	453.2
-77.5°	389.0	394.2	391.6	387.6	391.6	394.2	389.0	382.9	375.9	367.9	358.7
-80°	277.8	280.9	283.0	284.0	283.0	280.9	277.8	274.0	269.6	264.8	261.2
-82.5°	142.2	138.1	135.4	132.2	135.4	138.1	142.2	145.6	148.2	149.9	150.7
-85°	40.2	39.2	39.8	40.4	39.8	39.2	40.2	41.0	41.6	42.2	45.7
-87.5°	11.5	11.8	11.8	11.8	11.8	11.8	11.5	11.1	10.8	10.4	10.5
-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):

	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°	0.5	0.7	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
85°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.2
65°	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
62.5°	2.0	2.1	2.2	2.2	2.2	2.8	2.5	2.5	2.3	2.8	3.8
60°	4.8	3.8	5.6	6.3	5.4	9.2	15.5	13.9	4.1	22.3	25.8
57.5°	65.3	54.2	113.5	113.2	47.4	64.0	85.7	56.5	36.9	63.2	83.5
55°	455.1	416.8	362.4	356.6	375.4	285.2	238.5	229.5	179.6	116.8	138.7
52.5°	641.6	603.3	566.2	531.7	503.3	473.0	428.4	380.2	364.8	293.8	226.6
50°	726.0	763.1	726.5	637.1	653.0	609.9	547.1	495.9	506.4	462.9	373.3
47.5°	984.5	1029.8	1030.9	977.6	918.2	899.9	807.9	647.9	658.6	656.8	561.8
45°	1441.4	1378.2	1401.8	1326.9	1222.1	1164.1	1161.0	989.8	831.4	805.6	796.4
42.5°	1691.7	1645.0	1596.6	1540.7	1448.0	1355.6	1298.6	1202.3	1074.8	962.0	922.0
40°	1793.0	1738.5	1693.3	1647.0	1572.4	1477.7	1431.8	1305.4	1209.5	1111.9	1079.4
37.5°	1915.4	1811.9	1852.3	1764.8	1695.5	1672.4	1636.8	1505.3	1292.9	1275.0	1258.6
35°	2188.6	2091.8	2184.9	2168.4	1892.7	1923.4	1947.0	1785.4	1563.1	1442.5	1445.1
32.5°	2811.9	2588.8	2520.7	2604.2	2459.2	2218.6	2222.1	2172.8	1869.4	1694.0	1617.2
30°	3037.6	2938.5	2831.1	2816.7	2708.8	2569.6	2481.2	2362.8	2142.0	1941.8	1810.2
27.5°	3135.0	3045.0	2954.7	2885.0	2822.5	2728.1	2612.7	2473.7	2316.6	2137.2	2009.4
25°	3204.4	3103.8	3025.8	2948.9	2881.6	2810.1	2692.3	2556.9	2410.3	2265.7	2128.4
22.5°	3260.2	3166.4	3082.6	2999.7	2945.2	2868.3	2762.4	2622.6	2524.2	2432.3	2253.8
20°	3321.3	3230.9	3136.4	3140.4	3060.1	2931.7	2829.9	2760.3	2746.8	2643.4	2413.0
17.5°	3586.5	3337.8	3384.0	3471.6	3294.7	3061.6	3025.3	3029.1	2986.3	2890.2	2603.8
15°	4154.4	3795.2	3798.4	3858.8	3666.9	3380.6	3314.5	3306.4	3239.0	3132.7	2805.2
12.5°	4333.3	4213.3	4191.3	4101.4	3913.1	3699.1	3620.8	3578.3	3454.8	3249.0	2950.1
10°	4393.7	4324.2	4231.8	4141.3	4026.9	3941.0	3829.5	3675.2	3499.9	3301.4	3058.1
7.5°	4400.9	4328.8	4254.4	4168.1	4067.8	3966.9	3856.6	3703.3	3533.9	3339.1	3134.2
5°	4396.7	4324.8	4255.8	4173.4	4071.6	3973.8	3873.9	3722.2	3556.8	3363.8	3184.2
2.5°	4385.9	4313.2	4247.5	4172.6	4071.3	3977.0	3884.5	3742.6	3573.1	3384.1	3201.0
0°	4401.6	4329.6	4267.5	4183.6	4091.9	3982.4	3889.7	3763.5	3581.0	3397.6	3207.3
-2.5°	4408.3	4333.9	4277.0	4182.5	4106.5	3994.8	3900.8	3778.9	3595.9	3421.4	3222.5
-5°	4443.9	4370.0	4295.6	4200.8	4120.9	4016.4	3910.7	3785.2	3607.1	3434.3	3229.4
-7.5°	4467.3	4392.3	4305.8	4213.9	4133.6	4033.9	3916.7	3785.7	3617.4	3434.1	3232.7
-10°	4481.9	4403.5	4318.1	4224.0	4141.0	4038.4	3914.7	3782.4	3615.3	3426.1	3225.4
-12.5°	4502.5	4414.2	4326.3	4219.4	4136.2	4030.8	3907.3	3774.9	3599.8	3411.1	3206.9
-15°	4510.2	4419.5	4316.7	4212.0	4121.1	4018.6	3891.0	3752.5	3572.8	3387.9	3176.8
-17.5°	4513.3	4410.2	4300.6	4200.2	4102.2	3993.5	3858.9	3711.6	3538.1	3347.1	3137.0
-20°	4510.8	4390.9	4278.0	4168.6	4066.0	3955.6	3816.7	3670.8	3488.5	3294.2	3085.5



REPORT NUMBER: P645409 (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°
-22.5°	4464.8	4356.2	4241.9	4123.3	4022.4	3905.3	3769.4	3618.4	3424.1	3236.2	3019.9
-25°	4414.2	4304.4	4186.4	4076.0	3968.6	3852.3	3712.6	3541.3	3356.8	3161.4	2940.3
-27.5°	4354.3	4238.9	4117.0	4004.7	3891.2	3776.7	3632.4	3459.8	3282.2	3068.5	2853.9
-30°	4273.4	4154.3	4030.0	3901.6	3797.8	3681.1	3538.3	3370.8	3180.0	2969.0	2764.8
-32.5°	4163.6	4051.5	3927.2	3805.2	3696.8	3574.3	3430.2	3263.9	3063.7	2864.1	2651.6
-35°	4052.0	3935.9	3817.4	3702.6	3588.4	3460.1	3313.0	3132.0	2940.6	2742.9	2522.4
-37.5°	3924.6	3803.7	3692.3	3583.2	3465.4	3333.9	3171.6	2996.6	2810.1	2592.8	2382.9
-40°	3787.7	3671.2	3549.6	3441.7	3316.1	3183.4	3026.6	2856.5	2651.4	2436.6	2239.3
-42.5°	3625.2	3508.8	3383.6	3263.4	3141.4	3015.2	2873.5	2689.6	2486.3	2283.6	2078.8
-45°	3428.9	3312.4	3189.3	3065.5	2951.3	2828.7	2696.8	2500.7	2299.9	2106.8	1910.3
-47.5°	3208.0	3095.2	2976.4	2853.6	2745.0	2621.9	2461.2	2278.8	2101.1	1917.4	1716.1
-50°	2968.2	2860.8	2751.0	2637.0	2515.0	2376.1	2222.0	2062.8	1886.8	1698.1	1514.3
-52.5°	2706.0	2607.7	2504.1	2394.5	2268.6	2130.8	1986.4	1817.3	1641.8	1481.6	1314.5
-55°	2432.5	2335.4	2232.9	2123.5	2006.0	1869.8	1720.1	1566.4	1423.0	1275.0	1147.4
-57.5°	2129.7	2037.7	1940.1	1836.8	1728.4	1601.6	1470.4	1339.9	1226.4	1111.3	995.6
-60°	1806.2	1720.4	1637.3	1545.7	1445.6	1336.5	1240.8	1144.5	1048.2	956.4	863.2
-62.5°	1492.9	1421.0	1346.4	1272.1	1196.0	1117.2	1037.9	963.6	887.7	809.8	741.2
-65°	1196.7	1142.1	1083.2	1031.8	977.8	920.8	857.1	798.9	743.7	686.6	628.2
-67.5°	948.1	909.1	867.5	827.0	789.9	750.5	705.7	658.6	614.9	572.7	529.7
-70°	743.8	718.0	691.0	661.3	631.8	602.1	569.1	534.5	499.3	467.7	437.4
-72.5°	570.9	553.1	532.5	511.2	488.5	468.2	445.7	422.3	398.6	374.5	351.7
-75°	441.7	428.8	414.7	398.8	379.5	356.7	339.8	328.4	314.1	296.6	277.5
-77.5°	349.3	339.9	329.8	316.3	302.2	287.7	273.3	259.2	245.2	232.0	219.8
-80°	257.1	252.6	247.0	235.8	224.5	213.3	202.6	193.9	185.7	176.7	165.7
-82.5°	150.9	150.4	148.8	142.5	136.2	129.9	123.8	117.7	111.3	104.6	97.7
-85°	48.7	51.4	53.6	54.6	55.3	55.4	55.1	53.5	51.6	49.5	47.2
-87.5°	10.6	10.7	10.7	11.1	11.5	11.9	12.1	12.7	13.2	13.6	14.0
-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: P645409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-735-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°	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.5	0.5
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	1.0	1.1
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.5	1.6
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.5	1.8
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.3	1.5	1.8
75°	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.3	1.6	1.8
72.5°	1.0	1.0	1.0	1.1	1.3	1.3	1.2	1.1	1.3	1.6	1.8
70°	1.1	1.1	1.0	1.2	1.4	1.6	1.6	1.6	1.4	1.6	1.8
67.5°	1.5	1.5	1.4	1.4	1.5	1.7	1.9	2.2	2.2	1.7	1.9
65°	1.5	1.8	2.1	2.8	2.5	1.7	2.0	3.9	3.1	2.6	1.9
62.5°	3.3	1.8	6.3	8.4	4.7	3.7	3.0	8.6	5.4	3.7	2.7
60°	7.7	6.3	17.4	27.9	19.5	6.6	9.6	14.9	13.7	4.7	3.7
57.5°	72.3	24.8	36.0	52.1	51.2	27.8	20.3	27.0	23.3	13.4	5.2
55°	154.4	129.9	85.8	78.6	84.9	68.5	44.6	43.8	35.9	24.9	8.5
52.5°	211.8	221.1	192.4	134.4	117.1	111.5	87.1	63.5	56.4	37.3	21.6
50°	306.7	285.6	282.7	237.3	164.1	148.6	128.6	99.2	79.1	53.4	36.5
47.5°	433.2	380.5	352.6	332.2	261.9	189.4	168.7	135.6	104.1	76.9	52.1
45°	619.1	491.8	437.8	404.8	358.9	266.3	211.1	171.0	135.7	103.3	68.5
42.5°	805.7	635.9	535.1	481.7	434.0	353.3	256.4	211.8	166.5	130.1	89.2
40°	970.4	784.5	637.5	568.7	507.8	437.2	329.9	255.5	196.7	157.7	112.8
37.5°	1168.8	953.6	755.2	660.0	586.4	507.3	404.4	301.1	232.9	186.7	136.4
35°	1360.6	1172.6	886.9	770.1	673.9	579.3	476.2	355.0	277.5	216.1	160.0
32.5°	1566.6	1378.5	1085.8	893.2	764.4	652.8	543.3	420.6	322.2	245.9	183.5
30°	1728.8	1514.1	1260.4	1016.3	863.0	734.7	610.3	483.5	367.1	275.9	207.3
27.5°	1814.8	1631.4	1398.2	1153.6	973.8	818.8	679.4	543.6	412.0	309.0	232.0
25°	1903.7	1714.0	1496.7	1273.6	1083.3	907.8	748.1	601.0	460.9	346.2	256.5
22.5°	2010.1	1784.3	1579.7	1368.6	1196.3	998.0	820.2	659.0	509.9	382.7	280.6
20°	2116.9	1849.5	1661.7	1498.1	1307.1	1095.6	895.6	715.6	556.1	418.3	304.2
17.5°	2229.1	1968.0	1800.8	1624.3	1417.6	1190.2	969.8	770.5	599.4	452.8	327.1
15°	2424.2	2145.4	1940.9	1747.2	1527.5	1281.2	1042.3	823.2	639.8	485.8	348.3
12.5°	2601.3	2310.5	2081.1	1866.0	1635.6	1368.0	1112.2	873.3	677.3	512.2	367.3
10°	2747.9	2463.6	2219.8	1980.1	1740.6	1449.9	1178.8	914.1	699.7	531.9	384.8
7.5°	2867.9	2605.1	2354.9	2088.6	1830.7	1503.4	1212.4	938.0	717.1	548.7	400.7
5°	2954.7	2699.5	2426.7	2126.4	1858.9	1525.4	1235.2	957.3	731.1	562.7	415.1
2.5°	2979.7	2728.6	2453.6	2147.1	1878.0	1539.6	1251.5	972.1	741.9	574.0	427.8
0°	2994.2	2747.7	2470.5	2159.9	1887.7	1546.4	1261.4	982.3	749.5	582.9	438.9
-2.5°	3014.6	2764.1	2486.8	2192.6	1894.2	1567.1	1267.0	988.9	759.2	586.1	445.4
-5°	3024.7	2770.5	2494.7	2214.6	1892.5	1579.4	1266.3	991.1	765.5	587.2	450.1
-7.5°	3020.3	2768.4	2495.0	2221.5	1883.9	1582.3	1259.4	988.9	768.0	586.3	453.0
-10°	3006.6	2757.1	2485.4	2203.7	1876.0	1571.1	1247.1	982.6	766.5	583.8	454.1
-12.5°	2985.9	2736.2	2466.0	2178.0	1859.6	1548.0	1232.7	971.8	760.4	579.8	453.4
-15°	2959.1	2705.7	2436.4	2145.4	1832.6	1517.4	1211.0	956.1	748.3	575.2	450.7
-17.5°	2924.6	2665.8	2396.5	2106.7	1794.5	1479.4	1181.8	935.8	733.2	569.6	445.3
-20°	2863.0	2612.4	2345.9	2062.8	1745.2	1434.3	1145.1	910.7	715.3	561.6	437.5



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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°	2793.9	2546.2	2282.7	2003.4	1685.7	1382.6	1100.7	880.9	694.6	551.3	428.2
-25°	2720.1	2471.7	2209.3	1921.3	1619.9	1327.9	1056.2	846.3	671.2	538.5	417.4
-27.5°	2633.5	2387.3	2126.2	1830.9	1543.6	1264.4	1013.6	815.7	648.7	523.2	405.1
-30°	2536.1	2288.1	2022.2	1734.4	1460.0	1190.9	965.8	783.1	629.6	506.5	391.4
-32.5°	2424.5	2178.8	1907.0	1635.6	1371.6	1113.0	913.0	748.1	607.5	488.8	378.7
-35°	2297.4	2051.6	1785.0	1529.5	1278.0	1050.1	861.4	711.0	582.5	469.7	365.4
-37.5°	2165.1	1915.1	1662.9	1418.8	1178.5	982.0	815.0	674.4	554.6	449.2	350.6
-40°	2014.0	1774.6	1534.8	1304.7	1092.4	908.9	764.8	638.3	528.2	427.3	334.5
-42.5°	1858.4	1627.3	1401.2	1183.9	1007.3	849.3	712.2	599.4	500.4	406.3	317.0
-45°	1690.5	1471.7	1259.0	1082.2	920.9	786.2	666.1	559.1	470.7	384.7	298.9
-47.5°	1513.5	1307.7	1129.9	976.2	847.3	722.8	617.1	524.2	439.5	361.6	280.8
-50°	1326.0	1155.1	1010.9	884.1	768.0	665.7	568.4	487.7	410.9	336.0	261.8
-52.5°	1159.8	1022.8	903.6	795.0	698.2	605.7	526.3	450.2	381.4	311.6	242.0
-55°	1017.4	905.1	804.5	714.1	628.9	554.3	482.7	416.9	351.2	287.0	221.9
-57.5°	894.4	796.3	715.8	637.3	566.9	503.3	442.9	382.9	322.1	261.7	205.9
-60°	776.3	703.1	631.4	568.3	508.7	454.7	405.4	349.0	292.8	236.3	188.3
-62.5°	674.3	611.7	557.6	502.6	453.1	409.1	367.6	315.7	262.7	212.8	169.1
-65°	578.7	530.6	484.5	440.6	399.6	362.3	328.7	281.6	232.4	187.9	149.2
-67.5°	487.8	451.7	415.5	378.6	346.3	316.1	287.4	244.9	200.9	161.8	129.4
-70°	406.7	375.8	347.5	320.1	293.9	268.7	241.6	205.7	167.9	138.3	109.2
-72.5°	330.1	307.6	284.0	261.5	242.1	220.0	195.1	167.1	140.6	114.4	88.5
-75°	259.3	244.4	227.7	209.9	191.8	172.1	155.6	136.0	112.9	90.0	71.3
-77.5°	207.4	192.9	176.2	162.0	149.9	136.4	121.4	104.4	86.1	70.0	55.1
-80°	153.0	141.9	132.4	124.3	113.0	100.7	88.3	75.9	62.6	50.1	38.6
-82.5°	93.3	90.9	88.3	84.5	75.2	66.0	57.0	48.2	38.7	29.9	24.8
-85°	46.7	45.7	44.3	42.4	36.6	31.1	28.5	25.8	22.6	19.5	16.6
-87.5°	15.3	16.5	17.4	18.1	16.8	15.5	14.2	12.9	11.3	9.8	8.3
-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°	0.5	0.4	0.3	0.3	0.2	0.1	0.0
85°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
82.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
80°	2.0	1.7	1.4	1.0	0.7	0.4	0.0
77.5°	2.0	2.0	1.7	1.3	0.9	0.5	0.0
75°	2.0	2.1	2.0	1.5	1.1	0.7	0.0
72.5°	2.1	2.2	2.1	1.8	1.2	0.8	0.0
70°	2.1	2.2	2.2	2.0	1.4	0.9	0.0
67.5°	2.3	2.3	2.3	2.1	1.6	1.0	0.0
65°	2.7	2.6	2.4	2.2	1.8	1.1	0.0
62.5°	3.1	3.3	2.5	2.3	1.9	1.2	0.0
60°	3.7	4.0	2.6	2.4	2.1	1.3	0.0
57.5°	6.8	4.7	3.4	2.5	2.2	1.4	0.0
55°	10.8	5.6	4.2	2.6	2.4	1.5	0.0
52.5°	15.4	7.2	5.0	2.7	2.5	1.6	0.0
50°	20.8	12.2	5.9	2.9	2.6	1.7	0.0
47.5°	28.0	17.7	6.9	3.1	2.7	1.8	0.0
45°	42.2	23.5	7.8	3.9	2.8	1.9	0.0
42.5°	56.8	29.7	8.9	4.6	2.9	2.0	0.0
40°	71.7	36.3	11.9	5.6	3.1	2.1	0.0
37.5°	86.9	43.2	17.1	6.7	3.2	2.1	0.0
35°	102.3	53.7	22.3	8.0	3.3	2.2	0.0
32.5°	119.0	65.9	27.6	9.5	3.4	2.3	0.0
30°	138.1	78.0	32.9	11.0	3.6	2.4	0.0
27.5°	156.9	89.9	39.5	12.7	3.7	2.5	0.0
25°	175.2	101.6	46.3	14.4	3.8	2.5	0.0
22.5°	192.9	113.6	53.0	16.3	3.9	2.6	0.0
20°	210.1	126.4	59.7	18.1	4.1	2.7	0.0
17.5°	227.1	138.8	66.2	20.1	4.2	2.7	0.0
15°	243.4	150.8	72.6	22.0	4.3	2.8	0.0
12.5°	258.7	162.1	78.8	23.9	4.4	2.8	0.0
10°	272.8	172.9	84.7	25.8	4.5	2.9	0.0
7.5°	285.8	182.9	90.3	27.6	4.6	2.9	0.0
5°	297.6	192.2	95.5	29.4	4.7	2.9	0.0
2.5°	308.2	200.6	100.2	31.0	4.8	3.0	0.0
0°	317.6	208.1	104.5	32.5	4.9	3.0	0.0
-2.5°	322.2	212.8	108.5	34.6	5.7	3.2	0.0
-5°	325.6	216.6	111.9	36.6	6.4	3.3	0.0
-7.5°	327.8	219.3	114.6	38.3	7.2	3.5	0.0
-10°	328.8	221.0	116.7	39.8	7.9	3.6	0.0
-12.5°	328.6	221.7	118.1	41.1	8.6	3.8	0.0
-15°	327.3	221.4	118.8	42.1	9.2	3.9	0.0
-17.5°	324.9	220.0	118.7	42.9	9.8	4.0	0.0
-20°	321.2	217.7	117.9	43.3	10.4	4.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	315.8	214.4	116.2	43.5	10.9	4.2	0.0
-25°	309.2	209.2	113.8	43.3	11.3	4.2	0.0
-27.5°	301.3	202.8	110.5	42.7	11.7	4.3	0.0
-30°	292.3	195.5	106.3	41.9	12.0	4.3	0.0
-32.5°	281.9	187.3	101.5	40.6	12.2	4.3	0.0
-35°	270.8	178.3	96.1	39.0	12.4	4.3	0.0
-37.5°	258.8	169.3	90.2	37.1	12.4	4.3	0.0
-40°	245.9	161.0	83.7	34.8	12.5	4.2	0.0
-42.5°	232.1	152.2	78.9	32.3	12.4	4.2	0.0
-45°	217.4	142.9	75.5	29.8	12.2	4.1	0.0
-47.5°	201.9	133.0	71.6	26.9	12.0	4.0	0.0
-50°	189.0	122.5	67.0	25.9	11.7	3.8	0.0
-52.5°	176.0	111.6	61.9	25.4	11.3	3.7	0.0
-55°	162.5	103.3	56.3	24.6	10.9	3.6	0.0
-57.5°	148.6	94.9	50.1	23.5	10.3	3.4	0.0
-60°	134.4	85.7	43.6	22.2	9.7	3.2	0.0
-62.5°	121.4	75.8	40.5	20.6	9.2	3.0	0.0
-65°	107.5	65.3	36.9	18.8	8.5	2.8	0.0
-67.5°	92.7	56.4	33.0	16.7	7.8	2.5	0.0
-70°	77.2	49.4	28.7	14.5	7.1	2.3	0.0
-72.5°	65.3	41.8	24.0	12.8	6.3	2.0	0.0
-75°	53.3	33.7	19.1	11.1	5.4	1.8	0.0
-77.5°	40.8	25.3	15.8	9.4	4.6	1.5	0.0
-80°	27.8	19.3	12.8	7.6	3.7	1.2	0.0
-82.5°	20.4	14.6	9.6	5.7	2.8	0.9	0.0
-85°	13.7	9.8	6.5	3.8	1.9	0.6	0.0
-87.5°	6.9	4.9	3.2	1.9	0.9	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)