

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: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-735-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645445 (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-SA3E-735-U-LAM-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

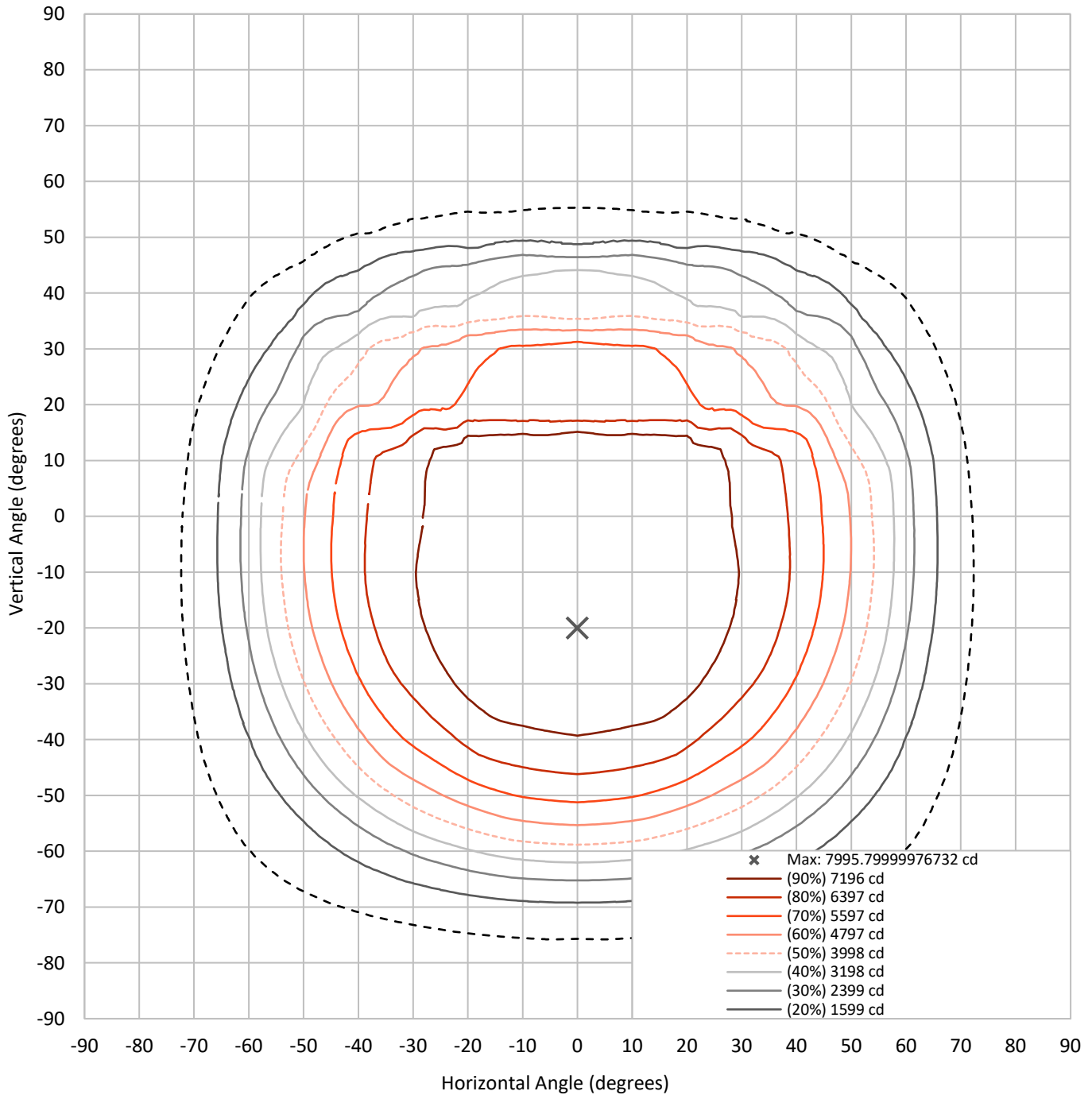
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18748.5 lumens	Max Intensity:	7995.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	101.2 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:	14656.5 lumens	Field Lumens:	18376.2 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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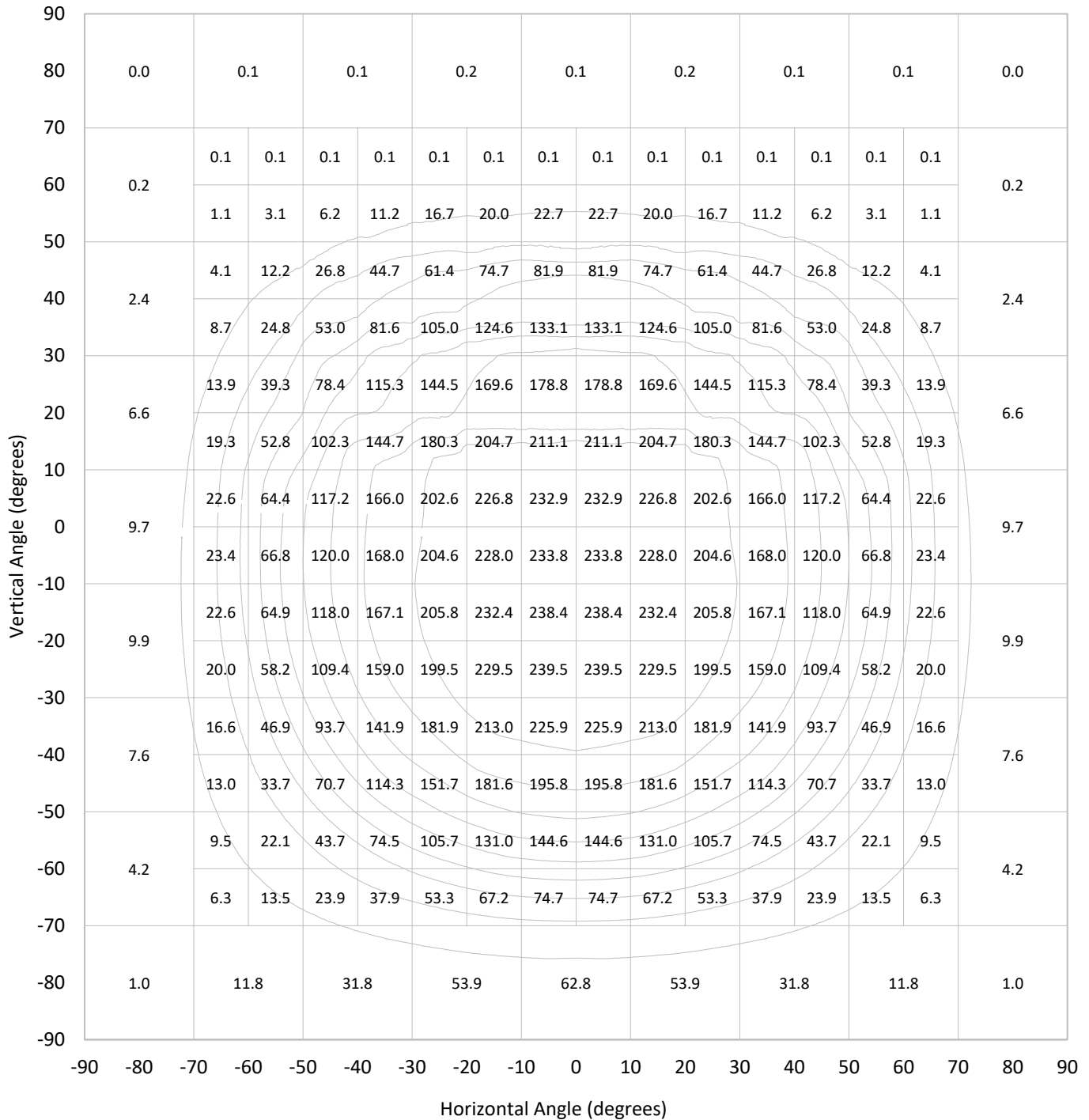
Iso-Candela Plot





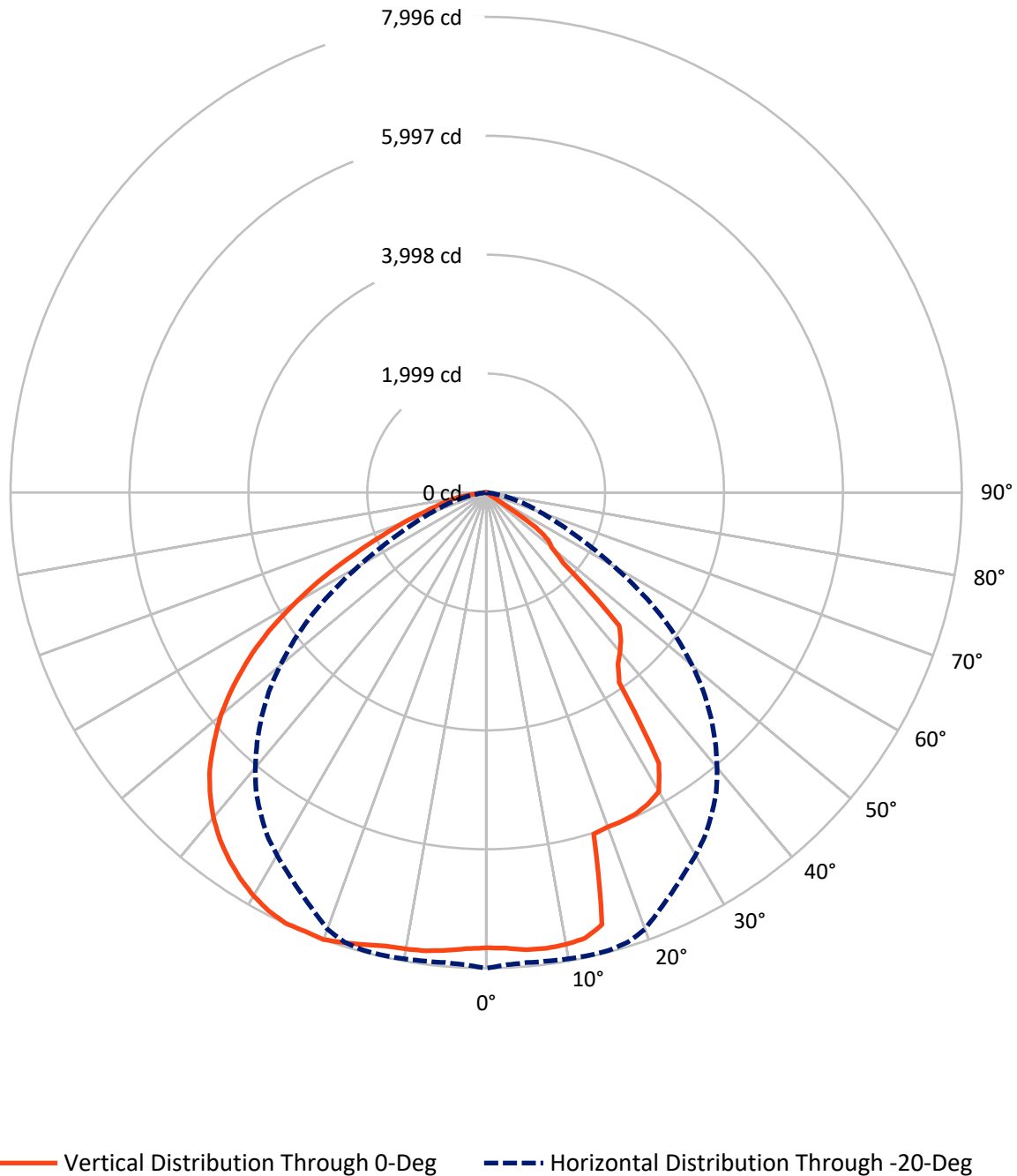
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Lumen Table



REPORT NUMBER: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-735-U-LAM-VSR-XX

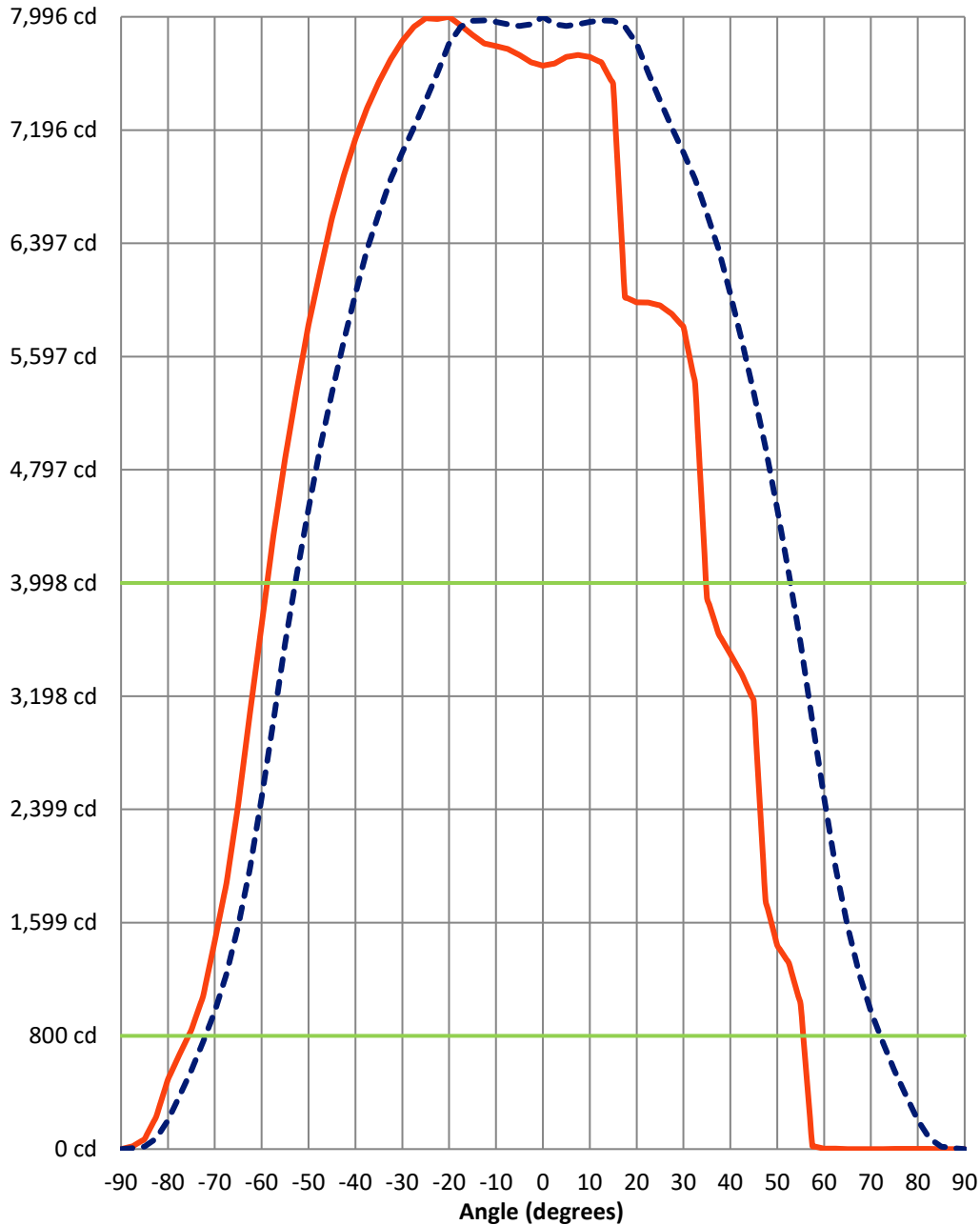
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 14656.5
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 18376.2
 Efficiency: 98.0%

Spill:
 Lumens: 372.3
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg

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Scaled Data Report



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.4	0.6	0.7	0.9	0.9	0.9	0.8	0.7
85°	0.0	0.4	0.6	0.9	1.2	1.5	1.8	1.8	1.8	1.6	1.4
82.5°	0.0	0.6	0.9	1.3	1.8	2.2	2.6	2.7	2.6	2.2	1.7
80°	0.0	0.7	1.2	1.8	2.3	2.9	3.4	3.0	2.6	2.2	1.8
77.5°	0.0	0.9	1.5	2.2	2.9	3.4	3.4	3.0	2.6	2.2	1.8
75°	0.0	1.1	1.8	2.6	3.4	3.5	3.4	3.1	2.7	2.2	1.8
72.5°	0.0	1.3	2.1	3.1	3.6	3.7	3.5	3.1	2.7	2.3	1.9
70°	0.0	1.5	2.4	3.4	3.7	3.8	3.6	3.1	2.7	2.4	2.7
67.5°	0.0	1.7	2.7	3.6	3.9	3.9	4.0	3.2	2.8	3.8	3.8
65°	0.0	1.8	3.0	3.8	4.1	4.5	4.6	3.2	4.5	5.3	6.7
62.5°	0.0	2.0	3.3	3.9	4.3	5.6	5.3	4.5	6.3	9.3	14.9
60°	0.0	2.2	3.6	4.1	4.5	6.8	6.3	6.4	8.2	23.7	25.8
57.5°	0.0	2.4	3.8	4.3	5.8	8.2	11.7	9.1	23.2	40.3	46.8
55°	0.0	2.5	4.0	4.5	7.2	9.7	18.6	14.7	43.0	62.2	75.7
52.5°	0.0	2.7	4.2	4.7	8.7	12.4	26.7	37.4	64.6	97.5	109.9
50°	0.0	2.9	4.4	4.9	10.3	21.2	36.0	63.2	92.5	136.9	171.6
47.5°	0.0	3.0	4.6	5.3	11.9	30.6	48.4	90.2	133.2	180.2	234.7
45°	0.0	3.2	4.8	6.6	13.6	40.7	73.0	118.5	178.8	234.9	295.9
42.5°	0.0	3.3	5.0	7.9	15.4	51.5	98.3	154.4	225.2	288.2	366.6
40°	0.0	3.5	5.2	9.6	20.7	62.8	124.1	195.2	273.0	340.4	442.2
37.5°	0.0	3.6	5.4	11.6	29.6	74.8	150.3	236.1	323.1	403.1	521.2
35°	0.0	3.8	5.7	13.9	38.7	92.9	177.0	276.9	374.0	480.2	614.5
32.5°	0.0	3.9	5.9	16.4	47.8	114.0	206.0	317.7	425.6	557.8	728.0
30°	0.0	4.0	6.1	19.1	57.0	134.9	239.1	358.8	477.6	635.5	836.9
27.5°	0.0	4.2	6.3	22.0	68.4	155.5	271.5	401.6	534.8	713.1	940.9
25°	0.0	4.3	6.6	25.0	80.1	175.8	303.2	444.0	599.2	797.8	1040.1
22.5°	0.0	4.4	6.8	28.2	91.7	196.5	333.9	485.7	662.5	882.5	1140.6
20°	0.0	4.5	7.0	31.5	103.3	218.7	363.6	526.4	724.0	962.4	1238.6
17.5°	0.0	4.6	7.2	34.8	114.6	240.2	393.0	566.1	783.6	1037.4	1333.5
15°	0.0	4.7	7.4	38.1	125.7	260.9	421.2	602.9	840.9	1107.3	1424.7
12.5°	0.0	4.8	7.6	41.4	136.4	280.6	447.7	635.8	886.6	1172.1	1511.5
10°	0.0	4.9	7.8	44.7	146.6	299.2	472.2	666.0	920.7	1211.0	1582.2
7.5°	0.0	4.9	8.0	47.9	156.3	316.6	494.7	693.6	949.7	1241.1	1623.4
5°	0.0	5.0	8.2	50.9	165.3	332.7	515.1	718.4	973.9	1265.4	1657.0
2.5°	0.0	5.1	8.3	53.7	173.5	347.2	533.5	740.4	993.5	1284.1	1682.6
0°	0.0	5.1	8.5	56.3	180.9	360.2	549.7	759.6	1008.9	1297.3	1700.2
-2.5°	0.0	5.4	9.8	60.0	187.8	368.4	557.7	770.8	1014.4	1314.0	1711.7
-5°	0.0	5.7	11.2	63.3	193.7	374.9	563.6	779.0	1016.3	1324.9	1715.3
-7.5°	0.0	5.9	12.4	66.4	198.4	379.6	567.4	784.1	1014.9	1329.4	1711.5
-10°	0.0	6.2	13.7	69.0	202.1	382.5	569.0	786.1	1010.5	1326.7	1700.7
-12.5°	0.0	6.4	14.8	71.2	204.5	383.7	568.7	784.8	1003.5	1316.0	1682.0
-15°	0.0	6.6	16.0	73.0	205.7	383.2	566.5	780.2	995.6	1295.2	1654.9
-17.5°	0.0	6.8	17.0	74.2	205.5	380.9	562.3	770.7	985.9	1269.1	1619.7
-20°	0.0	7.0	17.9	75.0	204.0	376.8	555.9	757.3	972.2	1238.0	1576.2



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 CATALOG NUMBER: GFLD-SA3E-735-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	7.1	18.8	75.2	201.2	371.1	546.6	741.2	954.2	1202.2	1524.6
-25°	0.0	7.2	19.5	74.9	196.9	362.2	535.2	722.4	932.0	1161.8	1464.8
-27.5°	0.0	7.3	20.2	74.0	191.2	351.1	521.6	701.2	905.6	1122.8	1411.9
-30°	0.0	7.4	20.7	72.5	184.0	338.4	505.9	677.5	876.7	1089.8	1355.3
-32.5°	0.0	7.4	21.1	70.3	175.6	324.2	488.0	655.5	846.0	1051.6	1294.9
-35°	0.0	7.4	21.4	67.6	166.3	308.6	468.7	632.4	812.9	1008.3	1230.7
-37.5°	0.0	7.4	21.6	64.2	156.1	292.9	448.0	606.9	777.4	960.0	1167.3
-40°	0.0	7.3	21.6	60.2	144.9	278.7	425.6	579.0	739.6	914.3	1104.8
-42.5°	0.0	7.2	21.5	55.9	136.5	263.5	401.7	548.7	703.1	866.1	1037.5
-45°	0.0	7.0	21.2	51.5	130.7	247.3	376.3	517.4	665.8	814.7	967.7
-47.5°	0.0	6.9	20.8	46.5	123.9	230.1	349.5	486.0	625.8	760.7	907.3
-50°	0.0	6.7	20.3	44.9	116.0	212.1	327.0	453.1	581.6	711.2	844.1
-52.5°	0.0	6.4	19.7	44.0	107.2	193.1	304.6	418.8	539.2	660.1	779.2
-55°	0.0	6.1	18.9	42.6	97.4	178.8	281.3	384.0	496.8	607.7	721.6
-57.5°	0.0	5.8	18.0	40.8	86.7	164.3	257.1	356.4	452.9	557.5	662.8
-60°	0.0	5.5	17.0	38.5	75.4	148.4	232.5	325.9	408.9	506.8	604.0
-62.5°	0.0	5.2	15.9	35.7	70.0	131.3	210.1	292.7	368.3	454.6	546.4
-65°	0.0	4.8	14.8	32.6	63.9	113.0	186.0	258.2	325.2	402.3	487.4
-67.5°	0.0	4.4	13.6	29.1	57.1	97.7	160.5	224.0	279.9	347.7	423.8
-70°	0.0	3.9	12.3	25.2	49.7	85.5	133.5	189.0	239.3	290.6	356.1
-72.5°	0.0	3.5	10.9	22.2	41.7	72.4	113.0	153.2	197.9	243.3	289.2
-75°	0.0	3.0	9.5	19.3	33.2	58.4	92.3	123.5	155.8	195.4	235.4
-77.5°	0.0	2.6	8.0	16.3	27.4	43.8	70.7	95.4	121.2	149.0	180.7
-80°	0.0	2.1	6.4	13.2	22.1	33.4	48.3	66.9	86.8	108.3	131.5
-82.5°	0.0	1.6	4.9	9.9	16.7	25.2	35.4	42.9	51.8	67.0	83.4
-85°	0.0	1.0	3.3	6.7	11.2	16.9	23.8	28.7	33.8	39.1	44.6
-87.5°	0.0	0.5	1.6	3.3	5.6	8.5	11.9	14.4	16.9	19.6	22.3
-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: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-735-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°	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.3
85°	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	2.0	2.2	2.2	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	2.7	2.7	2.4	2.0	1.7	1.8	1.9	1.9	1.7	1.7	1.7
67.5°	3.3	2.9	2.5	2.3	2.3	2.6	2.5	2.1	1.7	1.7	1.8
65°	3.4	3.0	4.3	4.8	3.6	3.0	2.6	2.2	2.3	2.4	2.4
62.5°	5.1	6.4	8.2	14.4	10.8	3.1	5.6	6.6	4.9	4.0	4.3
60°	16.7	11.4	33.6	48.2	30.1	11.0	13.4	44.6	38.6	7.1	24.1
57.5°	35.1	48.1	88.6	90.2	62.4	43.1	125.2	144.6	109.5	63.9	97.7
55°	77.2	118.6	146.9	136.0	148.5	224.9	267.3	240.1	202.1	310.9	397.2
52.5°	150.8	193.0	202.6	232.7	333.0	382.6	366.7	392.1	508.5	631.5	658.1
50°	222.6	257.1	284.1	410.8	489.3	494.3	530.7	646.0	801.2	876.5	858.3
47.5°	292.0	327.8	453.3	575.0	610.3	658.6	749.7	972.3	1136.7	1139.9	1121.4
45°	365.4	461.0	621.2	700.6	757.8	851.2	1071.5	1378.5	1394.4	1439.0	1713.3
42.5°	443.9	611.5	751.2	833.8	926.2	1100.6	1394.5	1595.9	1665.1	1860.4	2081.0
40°	571.0	756.8	878.9	984.4	1103.3	1357.8	1679.6	1868.3	1924.6	2093.6	2259.5
37.5°	700.0	878.1	1014.9	1142.2	1307.0	1650.6	2022.9	2178.5	2207.0	2237.9	2605.4
35°	824.2	1002.6	1166.3	1332.9	1535.0	2029.6	2355.0	2501.4	2496.8	2705.4	3090.2
32.5°	940.4	1129.8	1323.1	1545.9	1879.4	2386.0	2711.6	2799.2	2932.0	3235.6	3760.9
30°	1056.4	1271.7	1493.6	1759.1	2181.6	2620.7	2992.4	3133.3	3361.0	3707.5	4089.7
27.5°	1175.8	1417.2	1685.6	1996.7	2420.0	2823.7	3141.2	3478.0	3699.1	4009.6	4281.6
25°	1294.8	1571.2	1875.1	2204.4	2590.5	2966.7	3295.1	3684.0	3921.5	4171.8	4425.5
22.5°	1419.6	1727.4	2070.7	2369.0	2734.2	3088.3	3479.2	3901.1	4209.9	4369.0	4539.3
20°	1550.1	1896.4	2262.5	2593.0	2876.0	3201.2	3664.0	4176.6	4575.3	4754.3	4777.7
17.5°	1678.6	2060.1	2453.7	2811.5	3116.8	3406.2	3858.1	4506.8	5002.6	5168.9	5243.0
15°	1804.0	2217.6	2644.0	3024.2	3359.3	3713.3	4195.8	4855.5	5422.2	5606.3	5722.8
12.5°	1925.0	2367.8	2831.1	3229.8	3602.1	3999.1	4502.5	5106.3	5623.6	5979.8	6193.5
10°	2040.3	2509.5	3012.7	3427.2	3842.0	4264.1	4756.2	5293.2	5714.3	6057.9	6361.2
7.5°	2098.5	2602.2	3168.7	3615.0	4075.9	4509.1	4964.0	5424.9	5779.6	6116.6	6409.9
5°	2138.0	2640.3	3217.5	3680.5	4200.2	4672.5	5114.2	5511.5	5822.2	6156.2	6442.7
2.5°	2166.2	2664.9	3250.4	3716.3	4246.9	4722.7	5157.4	5540.4	5857.4	6184.6	6478.0
0°	2183.3	2676.6	3267.3	3738.4	4276.1	4755.8	5182.6	5551.3	5880.7	6198.3	6514.1
-2.5°	2192.9	2712.4	3278.5	3795.1	4304.3	4784.3	5217.8	5577.7	5921.9	6224.1	6540.7
-5°	2191.7	2733.8	3275.5	3833.1	4317.9	4795.4	5235.4	5589.6	5944.3	6243.4	6551.5
-7.5°	2179.8	2738.7	3260.7	3845.1	4318.4	4791.7	5227.6	5595.3	5943.9	6261.1	6552.5
-10°	2158.6	2719.4	3247.1	3814.2	4301.9	4772.2	5204.0	5582.8	5930.0	6257.5	6546.9
-12.5°	2133.6	2679.5	3218.6	3769.8	4268.2	4735.9	5168.2	5550.8	5904.1	6230.7	6533.8
-15°	2096.0	2626.4	3171.9	3713.4	4217.0	4683.1	5121.7	5498.6	5864.0	6184.0	6495.0
-17.5°	2045.6	2560.6	3106.0	3646.4	4148.0	4614.2	5062.0	5429.7	5793.4	6124.0	6424.2
-20°	1982.0	2482.7	3020.6	3570.3	4060.3	4521.7	4955.5	5340.6	5701.9	6038.1	6353.7



REPORT NUMBER: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-735-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°	1905.2	2393.1	2917.6	3467.6	3951.0	4407.2	4835.8	5227.1	5601.4	5926.6	6262.8
-25°	1828.2	2298.4	2803.9	3325.5	3824.0	4278.2	4708.1	5089.3	5471.9	5810.2	6129.5
-27.5°	1754.4	2188.5	2671.8	3168.9	3680.1	4132.1	4558.2	4939.7	5311.1	5681.0	5988.4
-30°	1671.6	2061.4	2527.1	3001.9	3500.2	3960.4	4389.6	4785.5	5139.0	5504.2	5834.3
-32.5°	1580.3	1926.6	2374.1	2831.0	3300.8	3771.2	4196.4	4589.6	4957.3	5302.8	5649.3
-35°	1491.0	1817.7	2212.1	2647.4	3089.5	3551.0	3976.5	4366.0	4747.6	5089.8	5420.9
-37.5°	1410.6	1699.7	2039.9	2455.7	2878.2	3314.7	3747.5	4124.5	4487.7	4863.9	5186.8
-40°	1323.7	1573.1	1890.7	2258.3	2656.5	3071.6	3486.0	3876.0	4217.4	4589.2	4944.3
-42.5°	1232.7	1470.0	1743.6	2049.3	2425.2	2816.6	3216.5	3598.0	3952.6	4303.3	4655.2
-45°	1152.9	1360.8	1593.9	1873.2	2179.2	2547.3	2926.1	3306.3	3646.6	3980.8	4328.4
-47.5°	1068.2	1251.1	1466.6	1689.7	1955.7	2263.5	2619.6	2970.4	3318.6	3636.7	3944.2
-50°	983.7	1152.3	1329.4	1530.2	1749.8	1999.2	2295.1	2621.1	2939.2	3265.8	3570.4
-52.5°	911.0	1048.4	1208.4	1376.1	1564.0	1770.4	2007.4	2275.2	2564.5	2841.6	3145.6
-55°	835.5	959.4	1088.5	1236.1	1392.5	1566.7	1761.0	1986.0	2206.8	2463.1	2711.2
-57.5°	766.6	871.1	981.2	1103.1	1238.9	1378.4	1548.2	1723.3	1923.6	2122.7	2319.2
-60°	701.7	787.1	880.5	983.7	1092.8	1216.9	1343.7	1494.1	1655.4	1814.3	1981.0
-62.5°	636.2	708.0	784.2	869.9	965.1	1058.8	1167.1	1282.9	1401.7	1536.4	1667.9
-65°	568.9	627.0	691.5	762.6	838.6	918.4	1001.6	1087.4	1188.4	1287.1	1382.7
-67.5°	497.4	547.1	599.4	655.3	719.0	781.8	844.4	916.8	991.2	1064.3	1140.0
-70°	418.2	465.0	508.6	554.0	601.3	650.4	704.0	757.1	809.5	864.3	925.1
-72.5°	337.6	380.7	419.1	452.6	491.5	532.3	571.4	608.7	648.3	689.8	731.0
-75°	269.3	297.8	332.0	363.2	394.2	422.9	448.7	480.3	513.3	543.6	568.4
-77.5°	210.2	236.1	259.5	280.4	305.0	333.8	359.0	380.5	401.5	424.4	448.6
-80°	152.9	174.4	195.7	215.1	229.3	245.6	264.8	286.8	305.9	321.5	335.6
-82.5°	98.7	114.2	130.1	146.3	152.8	157.3	161.5	169.2	181.0	192.7	203.8
-85°	49.2	53.7	63.4	73.3	76.7	79.1	80.8	81.7	85.7	89.4	92.6
-87.5°	24.6	26.9	29.1	31.3	30.1	28.5	26.5	24.1	23.6	22.9	22.0
-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: P645445 (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°	1.4	1.4	1.5	1.5	1.5	1.2	0.8	0.4	0.0	0.0	0.0
85°	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.2	0.8
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
67.5°	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5	1.1
65°	2.4	2.3	2.4	2.4	2.1	2.0	2.1	2.1	1.9	1.5	1.0
62.5°	4.3	4.8	3.8	3.8	3.7	3.6	3.4	3.2	3.0	2.9	3.0
60°	26.8	15.8	9.2	10.8	9.7	6.4	8.2	9.6	9.7	8.9	7.8
57.5°	148.4	110.8	82.0	195.9	196.5	93.8	113.0	177.6	146.3	48.0	44.6
55°	412.7	493.7	649.8	617.2	627.2	721.4	787.7	697.4	683.6	728.5	841.5
52.5°	741.5	818.7	871.2	920.3	980.1	1044.3	1110.5	1152.6	1192.0	1233.9	1258.9
50°	947.0	1055.7	1130.4	1102.9	1257.5	1320.8	1256.6	1314.0	1384.1	1403.3	1412.3
47.5°	1398.3	1557.7	1589.4	1692.1	1784.4	1782.4	1704.0	1708.6	1917.1	2101.1	2191.5
45°	2009.6	2015.0	2115.2	2296.6	2426.2	2385.4	2494.8	2743.5	2826.3	2906.4	2972.0
42.5°	2247.7	2346.4	2506.3	2666.7	2763.3	2847.2	2928.2	3019.6	3127.1	3214.3	3284.0
40°	2478.3	2557.8	2721.6	2850.7	2930.8	3009.0	3103.4	3204.8	3303.1	3379.7	3432.0
37.5°	2833.1	2894.8	2934.7	3054.5	3206.0	3136.1	3315.2	3443.6	3502.3	3580.1	3587.1
35°	3370.1	3329.0	3275.9	3753.2	3781.8	3620.6	3788.0	3987.1	3882.2	4100.8	4218.2
32.5°	3846.1	3839.9	4256.5	4507.4	4363.0	4480.9	4867.0	4849.9	5107.2	5226.6	5192.6
30°	4294.5	4447.6	4688.4	4875.3	4900.3	5086.1	5257.6	5407.8	5563.1	5702.4	5712.0
27.5°	4522.2	4721.9	4885.4	4993.5	5114.1	5270.5	5426.1	5595.2	5727.4	5814.7	5836.1
25°	4659.9	4863.9	4987.7	5104.1	5237.3	5372.2	5546.4	5730.6	5836.7	5890.6	5907.8
22.5°	4781.3	4964.6	5097.7	5192.2	5335.5	5480.6	5643.0	5799.0	5914.3	5937.8	5946.4
20°	4898.2	5074.3	5296.6	5435.6	5428.7	5592.2	5748.7	5872.8	5968.8	5968.3	5970.6
17.5°	5236.2	5299.1	5702.6	6008.9	5857.2	5777.3	6207.7	6215.8	6241.4	6190.6	6080.4
15°	5736.8	5851.2	6347.0	6679.0	6574.5	6569.0	7190.6	7036.5	7169.2	7134.4	7283.8
12.5°	6267.0	6402.5	6773.0	7099.1	7254.4	7292.6	7500.2	7694.8	7734.8	7719.0	7689.7
10°	6628.3	6821.3	6970.1	7168.0	7324.7	7484.6	7604.9	7744.5	7790.3	7763.9	7726.5
7.5°	6675.3	6866.1	7040.7	7214.4	7363.7	7492.5	7617.3	7731.0	7777.6	7762.2	7736.5
5°	6705.2	6878.0	7047.4	7223.5	7366.2	7485.6	7610.0	7725.3	7752.7	7734.2	7709.2
2.5°	6723.7	6883.6	7046.8	7222.3	7351.9	7465.5	7591.4	7714.4	7714.1	7706.1	7691.4
0°	6732.6	6893.0	7082.5	7241.3	7386.4	7493.9	7618.5	7738.0	7729.5	7707.3	7681.7
-2.5°	6751.7	6914.3	7107.7	7239.3	7402.8	7501.4	7630.2	7733.6	7729.7	7718.7	7706.1
-5°	6768.8	6951.7	7132.6	7271.0	7434.9	7563.8	7691.8	7772.7	7777.0	7761.8	7740.4
-7.5°	6779.3	6982.0	7154.6	7293.5	7452.6	7602.4	7732.2	7817.1	7819.0	7798.8	7773.2
-10°	6775.8	6989.8	7167.4	7311.1	7473.9	7621.8	7757.6	7865.3	7861.8	7842.5	7820.7
-12.5°	6763.0	6976.7	7159.2	7303.2	7488.2	7640.4	7793.1	7900.2	7905.9	7891.5	7867.9
-15°	6734.9	6955.5	7133.0	7290.3	7471.6	7649.6	7806.5	7924.7	7945.8	7933.9	7915.3
-17.5°	6679.3	6912.1	7100.3	7269.9	7443.8	7633.5	7812.0	7941.2	7970.0	7965.3	7949.8
-20°	6606.2	6846.6	7037.6	7215.2	7404.6	7600.0	7807.7	7925.7	7967.6	7970.2	7959.7



REPORT NUMBER: P645445 (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°	6524.2	6759.5	6962.2	7136.8	7342.1	7539.9	7728.0	7866.3	7936.6	7949.6	7950.5
-25°	6425.9	6667.7	6869.1	7055.0	7246.0	7450.3	7640.3	7794.7	7865.9	7899.9	7910.5
-27.5°	6287.0	6536.9	6735.1	6931.6	7125.8	7336.9	7536.6	7704.5	7762.4	7809.2	7828.0
-30°	6124.3	6371.4	6573.4	6753.1	6975.4	7190.5	7396.7	7543.1	7630.4	7683.9	7713.2
-32.5°	5937.2	6186.6	6398.7	6586.3	6797.5	7012.7	7206.6	7361.1	7481.5	7543.2	7574.5
-35°	5734.3	5988.9	6210.9	6408.6	6607.5	6812.6	7013.5	7175.1	7312.3	7365.3	7404.5
-37.5°	5489.5	5770.5	5998.1	6201.9	6390.9	6583.7	6792.9	6977.6	7110.9	7162.4	7203.7
-40°	5238.6	5510.1	5739.7	5957.1	6143.9	6354.4	6556.0	6749.6	6865.2	6925.2	6972.0
-42.5°	4973.7	5219.0	5437.3	5648.5	5856.5	6073.2	6274.6	6475.8	6575.8	6648.2	6705.5
-45°	4667.8	4896.1	5108.2	5305.9	5520.3	5733.4	5934.9	6112.8	6231.7	6325.9	6399.1
-47.5°	4260.0	4538.1	4751.1	4939.1	5151.7	5357.3	5552.6	5719.8	5850.3	5960.4	6045.5
-50°	3845.9	4112.8	4353.0	4564.3	4761.5	4951.6	5137.5	5301.1	5439.2	5558.5	5644.7
-52.5°	3438.1	3688.1	3926.5	4144.6	4334.2	4513.6	4683.7	4848.3	4993.9	5121.5	5204.9
-55°	2977.3	3236.3	3472.1	3675.4	3864.9	4042.3	4210.2	4366.3	4509.7	4639.6	4719.5
-57.5°	2545.0	2772.2	2991.6	3179.3	3358.1	3527.0	3686.3	3835.7	3973.7	4096.0	4173.0
-60°	2147.6	2313.3	2502.1	2675.4	2833.9	2977.7	3126.3	3265.6	3392.3	3499.8	3571.6
-62.5°	1796.5	1933.7	2070.1	2201.8	2330.4	2459.6	2583.9	2699.5	2805.4	2893.5	2956.4
-65°	1483.5	1593.8	1692.4	1785.9	1874.9	1976.7	2071.3	2160.3	2242.6	2310.1	2358.0
-67.5°	1221.5	1299.0	1367.2	1431.3	1501.6	1573.6	1641.0	1699.8	1750.1	1790.1	1821.7
-70°	985.1	1042.1	1093.5	1144.6	1195.9	1242.7	1287.4	1330.6	1371.7	1405.2	1430.3
-72.5°	771.5	810.5	845.5	884.8	921.7	957.2	988.1	1013.1	1032.4	1051.3	1067.7
-75°	588.2	617.4	656.9	690.2	717.8	742.2	764.5	784.5	802.0	817.4	831.1
-77.5°	473.1	497.9	523.0	547.4	570.9	588.4	604.6	620.9	636.9	650.6	662.7
-80°	350.6	369.2	388.5	408.0	427.5	437.2	444.9	452.0	458.4	466.6	474.2
-82.5°	214.4	224.9	235.7	246.6	257.5	260.3	261.2	261.0	259.6	256.6	252.1
-85°	95.4	96.0	95.7	94.6	92.8	89.0	84.4	79.0	73.0	72.1	71.0
-87.5°	21.0	20.5	20.0	19.3	18.6	18.5	18.5	18.3	18.2	18.8	19.3
-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: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.6	1.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	0.9	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	0.9	0.0	0.9	1.7	1.7	1.7	1.7	1.7	1.7
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.1	1.5	1.7	1.7
65°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.5	1.9	2.1
62.5°	3.1	3.3	3.4	3.4	3.4	3.3	3.1	3.0	2.9	3.0	3.2
60°	6.1	4.0	3.4	3.4	3.4	4.0	6.1	7.8	8.9	9.7	9.6
57.5°	37.7	28.1	23.9	22.2	23.9	28.1	37.7	44.6	48.0	146.3	177.6
55°	922.5	969.5	1004.6	1020.8	1004.6	969.5	922.5	841.5	728.5	683.6	697.4
52.5°	1280.9	1301.3	1313.1	1312.7	1313.1	1301.3	1280.9	1258.9	1233.9	1192.0	1152.6
50°	1427.7	1437.7	1441.2	1439.0	1441.2	1437.7	1427.7	1412.3	1403.3	1384.1	1314.0
47.5°	2108.9	1926.4	1792.2	1760.0	1792.2	1926.4	2108.9	2191.5	2101.1	1917.1	1708.6
45°	3003.5	3072.8	3141.7	3163.1	3141.7	3072.8	3003.5	2972.0	2906.4	2826.3	2743.5
42.5°	3313.4	3335.9	3348.7	3349.2	3348.7	3335.9	3313.4	3284.0	3214.3	3127.1	3019.6
40°	3461.2	3482.5	3494.9	3496.0	3494.9	3482.5	3461.2	3432.0	3379.7	3303.1	3204.8
37.5°	3595.6	3613.7	3625.6	3637.7	3625.6	3613.7	3595.6	3587.1	3580.1	3502.3	3443.6
35°	4202.4	4064.9	3867.3	3897.2	3867.3	4064.9	4202.4	4218.2	4100.8	3882.2	3987.1
32.5°	5245.8	5303.6	5339.6	5401.1	5339.6	5303.6	5245.8	5192.6	5226.6	5107.2	4849.9
30°	5727.2	5746.3	5775.3	5805.6	5775.3	5746.3	5727.2	5712.0	5702.4	5563.1	5407.8
27.5°	5847.3	5867.1	5884.7	5897.8	5884.7	5867.1	5847.3	5836.1	5814.7	5727.4	5595.2
25°	5910.2	5922.5	5941.2	5957.6	5941.2	5922.5	5910.2	5907.8	5890.6	5836.7	5730.6
22.5°	5941.4	5942.7	5957.3	5978.0	5957.3	5942.7	5941.4	5946.4	5937.8	5914.3	5799.0
20°	5962.9	5951.2	5966.3	5979.8	5966.3	5951.2	5962.9	5970.6	5968.3	5968.8	5872.8
17.5°	6235.8	6080.1	6016.1	6017.3	6016.1	6080.1	6235.8	6080.4	6190.6	6241.4	6215.8
15°	7116.2	7174.6	7398.5	7519.5	7398.5	7174.6	7116.2	7283.8	7134.4	7169.2	7036.5
12.5°	7684.2	7663.5	7636.9	7673.1	7636.9	7663.5	7684.2	7689.7	7719.0	7734.8	7694.8
10°	7710.6	7708.2	7660.8	7712.4	7660.8	7708.2	7710.6	7726.5	7763.9	7790.3	7744.5
7.5°	7694.4	7695.9	7675.7	7726.1	7675.7	7695.9	7694.4	7736.5	7762.2	7777.6	7731.0
5°	7705.1	7670.4	7683.6	7712.4	7683.6	7670.4	7705.1	7709.2	7734.2	7752.7	7725.3
2.5°	7675.3	7671.7	7646.2	7666.3	7646.2	7671.7	7675.3	7691.4	7706.1	7714.1	7714.4
0°	7652.7	7633.9	7633.9	7650.9	7633.9	7633.9	7652.7	7681.7	7707.3	7729.5	7738.0
-2.5°	7693.1	7689.1	7686.6	7674.8	7686.6	7689.1	7693.1	7706.1	7718.7	7729.7	7733.6
-5°	7726.2	7716.0	7688.1	7726.1	7688.1	7716.0	7726.2	7740.4	7761.8	7777.0	7772.7
-7.5°	7761.9	7736.0	7709.4	7768.7	7709.4	7736.0	7761.9	7773.2	7798.8	7819.0	7817.1
-10°	7794.5	7757.0	7731.3	7789.2	7731.3	7757.0	7794.5	7820.7	7842.5	7861.8	7865.3
-12.5°	7837.6	7793.8	7776.5	7808.0	7776.5	7793.8	7837.6	7867.9	7891.5	7905.9	7900.2
-15°	7883.6	7853.2	7849.2	7867.7	7849.2	7853.2	7883.6	7915.3	7933.9	7945.8	7924.7
-17.5°	7923.9	7902.6	7913.2	7934.3	7913.2	7902.6	7923.9	7949.8	7965.3	7970.0	7941.2
-20°	7943.2	7931.3	7943.2	7995.8	7943.2	7931.3	7943.2	7959.7	7970.2	7967.6	7925.7

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Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-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°	7941.6	7942.3	7963.3	7980.4	7963.3	7942.3	7941.6	7950.5	7949.6	7936.6	7866.3
-25°	7911.3	7927.3	7951.2	7985.5	7951.2	7927.3	7911.3	7910.5	7899.9	7865.9	7794.7
-27.5°	7838.2	7864.7	7889.8	7925.8	7889.8	7864.7	7838.2	7828.0	7809.2	7762.4	7704.5
-30°	7732.5	7764.1	7786.4	7825.1	7786.4	7764.1	7732.5	7713.2	7683.9	7630.4	7543.1
-32.5°	7603.9	7639.6	7666.0	7693.6	7666.0	7639.6	7603.9	7574.5	7543.2	7481.5	7361.1
-35°	7443.2	7481.6	7509.7	7534.9	7509.7	7481.6	7443.2	7404.5	7365.3	7312.3	7175.1
-37.5°	7250.0	7291.5	7323.5	7352.2	7323.5	7291.5	7250.0	7203.7	7162.4	7110.9	6977.6
-40°	7025.0	7067.6	7101.7	7133.7	7101.7	7067.6	7025.0	6972.0	6925.2	6865.2	6749.6
-42.5°	6761.9	6804.9	6840.1	6872.5	6840.1	6804.9	6761.9	6705.5	6648.2	6575.8	6475.8
-45°	6458.1	6502.3	6539.5	6573.8	6539.5	6502.3	6458.1	6399.1	6325.9	6231.7	6112.8
-47.5°	6108.2	6155.5	6187.4	6203.4	6187.4	6155.5	6108.2	6045.5	5960.4	5850.3	5719.8
-50°	5707.2	5754.4	5792.7	5821.0	5792.7	5754.4	5707.2	5644.7	5558.5	5439.2	5301.1
-52.5°	5265.7	5310.6	5343.6	5363.5	5343.6	5310.6	5265.7	5204.9	5121.5	4993.9	4848.3
-55°	4782.4	4829.5	4860.7	4875.3	4860.7	4829.5	4782.4	4719.5	4639.6	4509.7	4366.3
-57.5°	4234.1	4278.8	4312.0	4330.8	4312.0	4278.8	4234.1	4173.0	4096.0	3973.7	3835.7
-60°	3627.6	3667.6	3692.8	3702.6	3692.8	3667.6	3627.6	3571.6	3499.8	3392.3	3265.6
-62.5°	3007.1	3045.0	3068.6	3077.8	3068.6	3045.0	3007.1	2956.4	2893.5	2805.4	2699.5
-65°	2393.8	2417.6	2430.6	2432.5	2430.6	2417.6	2393.8	2358.0	2310.1	2242.6	2160.3
-67.5°	1846.7	1864.7	1875.7	1879.4	1875.7	1864.7	1846.7	1821.7	1790.1	1750.1	1699.8
-70°	1449.1	1461.5	1468.6	1469.8	1468.6	1461.5	1449.1	1430.3	1405.2	1371.7	1330.6
-72.5°	1080.3	1089.3	1086.1	1078.8	1086.1	1089.3	1080.3	1067.7	1051.3	1032.4	1013.1
-75°	842.8	852.6	848.5	841.6	848.5	852.6	842.8	831.1	817.4	802.0	784.5
-77.5°	673.3	682.2	677.8	670.9	677.8	682.2	673.3	662.7	650.6	636.9	620.9
-80°	480.8	486.0	489.8	491.6	489.8	486.0	480.8	474.2	466.6	458.4	452.0
-82.5°	246.1	238.9	234.3	228.7	234.3	238.9	246.1	252.1	256.6	259.6	261.0
-85°	69.6	68.0	69.1	70.0	69.1	68.0	69.6	71.0	72.1	73.0	79.0
-87.5°	19.9	20.4	20.5	20.5	20.5	20.4	19.9	19.3	18.8	18.2	18.3
-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: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-735-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	1.2	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2
85°	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	2.1
65°	2.1	2.0	2.1	2.4	2.4	2.3	2.4	2.4	2.4	2.3	2.2
62.5°	3.4	3.6	3.7	3.8	3.8	4.8	4.3	4.3	4.0	4.9	6.6
60°	8.2	6.4	9.7	10.8	9.2	15.8	26.8	24.1	7.1	38.6	44.6
57.5°	113.0	93.8	196.5	195.9	82.0	110.8	148.4	97.7	63.9	109.5	144.6
55°	787.7	721.4	627.2	617.2	649.8	493.7	412.7	397.2	310.9	202.1	240.1
52.5°	1110.5	1044.3	980.1	920.3	871.2	818.7	741.5	658.1	631.5	508.5	392.1
50°	1256.6	1320.8	1257.5	1102.9	1130.4	1055.7	947.0	858.3	876.5	801.2	646.0
47.5°	1704.0	1782.4	1784.4	1692.1	1589.4	1557.7	1398.3	1121.4	1139.9	1136.7	972.3
45°	2494.8	2385.4	2426.2	2296.6	2115.2	2015.0	2009.6	1713.3	1439.0	1394.4	1378.5
42.5°	2928.2	2847.2	2763.3	2666.7	2506.3	2346.4	2247.7	2081.0	1860.4	1665.1	1595.9
40°	3103.4	3009.0	2930.8	2850.7	2721.6	2557.8	2478.3	2259.5	2093.6	1924.6	1868.3
37.5°	3315.2	3136.1	3206.0	3054.5	2934.7	2894.8	2833.1	2605.4	2237.9	2207.0	2178.5
35°	3788.0	3620.6	3781.8	3753.2	3275.9	3329.0	3370.1	3090.2	2705.4	2496.8	2501.4
32.5°	4867.0	4480.9	4363.0	4507.4	4256.5	3839.9	3846.1	3760.9	3235.6	2932.0	2799.2
30°	5257.6	5086.1	4900.3	4875.3	4688.4	4447.6	4294.5	4089.7	3707.5	3361.0	3133.3
27.5°	5426.1	5270.5	5114.1	4993.5	4885.4	4721.9	4522.2	4281.6	4009.6	3699.1	3478.0
25°	5546.4	5372.2	5237.3	5104.1	4987.7	4863.9	4659.9	4425.5	4171.8	3921.5	3684.0
22.5°	5643.0	5480.6	5335.5	5192.2	5097.7	4964.6	4781.3	4539.3	4369.0	4209.9	3901.1
20°	5748.7	5592.2	5428.7	5435.6	5296.6	5074.3	4898.2	4777.7	4754.3	4575.3	4176.6
17.5°	6207.7	5777.3	5857.2	6008.9	5702.6	5299.1	5236.2	5243.0	5168.9	5002.6	4506.8
15°	7190.6	6569.0	6574.5	6679.0	6347.0	5851.2	5736.8	5722.8	5606.3	5422.2	4855.5
12.5°	7500.2	7292.6	7254.4	7099.1	6773.0	6402.5	6267.0	6193.5	5979.8	5623.6	5106.3
10°	7604.9	7484.6	7324.7	7168.0	6970.1	6821.3	6628.3	6361.2	6057.9	5714.3	5293.2
7.5°	7617.3	7492.5	7363.7	7214.4	7040.7	6866.1	6675.3	6409.9	6116.6	5779.6	5424.9
5°	7610.0	7485.6	7366.2	7223.5	7047.4	6878.0	6705.2	6442.7	6156.2	5822.2	5511.5
2.5°	7591.4	7465.5	7351.9	7222.3	7046.8	6883.6	6723.7	6478.0	6184.6	5857.4	5540.4
0°	7618.5	7493.9	7386.4	7241.3	7082.5	6893.0	6732.6	6514.1	6198.3	5880.7	5551.3
-2.5°	7630.2	7501.4	7402.8	7239.3	7107.7	6914.3	6751.7	6540.7	6224.1	5921.9	5577.7
-5°	7691.8	7563.8	7434.9	7271.0	7132.6	6951.7	6768.8	6551.5	6243.4	5944.3	5589.6
-7.5°	7732.2	7602.4	7452.6	7293.5	7154.6	6982.0	6779.3	6552.5	6261.1	5943.9	5595.3
-10°	7757.6	7621.8	7473.9	7311.1	7167.4	6989.8	6775.8	6546.9	6257.5	5930.0	5582.8
-12.5°	7793.1	7640.4	7488.2	7303.2	7159.2	6976.7	6763.0	6533.8	6230.7	5904.1	5550.8
-15°	7806.5	7649.6	7471.6	7290.3	7133.0	6955.5	6734.9	6495.0	6184.0	5864.0	5498.6
-17.5°	7812.0	7633.5	7443.8	7269.9	7100.3	6912.1	6679.3	6424.2	6124.0	5793.4	5429.7
-20°	7807.7	7600.0	7404.6	7215.2	7037.6	6846.6	6606.2	6353.7	6038.1	5701.9	5340.6

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REPORT NUMBER: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-735-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°	7728.0	7539.9	7342.1	7136.8	6962.2	6759.5	6524.2	6262.8	5926.6	5601.4	5227.1
-25°	7640.3	7450.3	7246.0	7055.0	6869.1	6667.7	6425.9	6129.5	5810.2	5471.9	5089.3
-27.5°	7536.6	7336.9	7125.8	6931.6	6735.1	6536.9	6287.0	5988.4	5681.0	5311.1	4939.7
-30°	7396.7	7190.5	6975.4	6753.1	6573.4	6371.4	6124.3	5834.3	5504.2	5139.0	4785.5
-32.5°	7206.6	7012.7	6797.5	6586.3	6398.7	6186.6	5937.2	5649.3	5302.8	4957.3	4589.6
-35°	7013.5	6812.6	6607.5	6408.6	6210.9	5988.9	5734.3	5420.9	5089.8	4747.6	4366.0
-37.5°	6792.9	6583.7	6390.9	6201.9	5998.1	5770.5	5489.5	5186.8	4863.9	4487.7	4124.5
-40°	6556.0	6354.4	6143.9	5957.1	5739.7	5510.1	5238.6	4944.3	4589.2	4217.4	3876.0
-42.5°	6274.6	6073.2	5856.5	5648.5	5437.3	5219.0	4973.7	4655.2	4303.3	3952.6	3598.0
-45°	5934.9	5733.4	5520.3	5305.9	5108.2	4896.1	4667.8	4328.4	3980.8	3646.6	3306.3
-47.5°	5552.6	5357.3	5151.7	4939.1	4751.1	4538.1	4260.0	3944.2	3636.7	3318.6	2970.4
-50°	5137.5	4951.6	4761.5	4564.3	4353.0	4112.8	3845.9	3570.4	3265.8	2939.2	2621.1
-52.5°	4683.7	4513.6	4334.2	4144.6	3926.5	3688.1	3438.1	3145.6	2841.6	2564.5	2275.2
-55°	4210.2	4042.3	3864.9	3675.4	3472.1	3236.3	2977.3	2711.2	2463.1	2206.8	1986.0
-57.5°	3686.3	3527.0	3358.1	3179.3	2991.6	2772.2	2545.0	2319.2	2122.7	1923.6	1723.3
-60°	3126.3	2977.7	2833.9	2675.4	2502.1	2313.3	2147.6	1981.0	1814.3	1655.4	1494.1
-62.5°	2583.9	2459.6	2330.4	2201.8	2070.1	1933.7	1796.5	1667.9	1536.4	1401.7	1282.9
-65°	2071.3	1976.7	1874.9	1785.9	1692.4	1593.8	1483.5	1382.7	1287.1	1188.4	1087.4
-67.5°	1641.0	1573.6	1501.6	1431.3	1367.2	1299.0	1221.5	1140.0	1064.3	991.2	916.8
-70°	1287.4	1242.7	1195.9	1144.6	1093.5	1042.1	985.1	925.1	864.3	809.5	757.1
-72.5°	988.1	957.2	921.7	884.8	845.5	810.5	771.5	731.0	689.8	648.3	608.7
-75°	764.5	742.2	717.8	690.2	656.9	617.4	588.2	568.4	543.6	513.3	480.3
-77.5°	604.6	588.4	570.9	547.4	523.0	497.9	473.1	448.6	424.4	401.5	380.5
-80°	444.9	437.2	427.5	408.0	388.5	369.2	350.6	335.6	321.5	305.9	286.8
-82.5°	261.2	260.3	257.5	246.6	235.7	224.9	214.4	203.8	192.7	181.0	169.2
-85°	84.4	89.0	92.8	94.6	95.7	96.0	95.4	92.6	89.4	85.7	81.7
-87.5°	18.5	18.5	18.6	19.3	20.0	20.5	21.0	22.0	22.9	23.6	24.1
-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: P645445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	1.1	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.8	0.9	0.9
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.6	1.8	1.8
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2	2.6	2.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.2	2.6	3.0
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	2.2	2.6	3.0
75°	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.8	2.2	2.7	3.1
72.5°	1.7	1.7	1.7	1.9	2.2	2.2	2.0	1.9	2.3	2.7	3.1
70°	1.9	1.8	1.7	2.0	2.4	2.7	2.7	2.7	2.4	2.7	3.1
67.5°	2.5	2.6	2.3	2.3	2.5	2.9	3.3	3.8	3.8	2.8	3.2
65°	2.6	3.0	3.6	4.8	4.3	3.0	3.4	6.7	5.3	4.5	3.2
62.5°	5.6	3.1	10.8	14.4	8.2	6.4	5.1	14.9	9.3	6.3	4.5
60°	13.4	11.0	30.1	48.2	33.6	11.4	16.7	25.8	23.7	8.2	6.4
57.5°	125.2	43.1	62.4	90.2	88.6	48.1	35.1	46.8	40.3	23.2	9.1
55°	267.3	224.9	148.5	136.0	146.9	118.6	77.2	75.7	62.2	43.0	14.7
52.5°	366.7	382.6	333.0	232.7	202.6	193.0	150.8	109.9	97.5	64.6	37.4
50°	530.7	494.3	489.3	410.8	284.1	257.1	222.6	171.6	136.9	92.5	63.2
47.5°	749.7	658.6	610.3	575.0	453.3	327.8	292.0	234.7	180.2	133.2	90.2
45°	1071.5	851.2	757.8	700.6	621.2	461.0	365.4	295.9	234.9	178.8	118.5
42.5°	1394.5	1100.6	926.2	833.8	751.2	611.5	443.9	366.6	288.2	225.2	154.4
40°	1679.6	1357.8	1103.3	984.4	878.9	756.8	571.0	442.2	340.4	273.0	195.2
37.5°	2022.9	1650.6	1307.0	1142.2	1014.9	878.1	700.0	521.2	403.1	323.1	236.1
35°	2355.0	2029.6	1535.0	1332.9	1166.3	1002.6	824.2	614.5	480.2	374.0	276.9
32.5°	2711.6	2386.0	1879.4	1545.9	1323.1	1129.8	940.4	728.0	557.8	425.6	317.7
30°	2992.4	2620.7	2181.6	1759.1	1493.6	1271.7	1056.4	836.9	635.5	477.6	358.8
27.5°	3141.2	2823.7	2420.0	1996.7	1685.6	1417.2	1175.8	940.9	713.1	534.8	401.6
25°	3295.1	2966.7	2590.5	2204.4	1875.1	1571.2	1294.8	1040.1	797.8	599.2	444.0
22.5°	3479.2	3088.3	2734.2	2369.0	2070.7	1727.4	1419.6	1140.6	882.5	662.5	485.7
20°	3664.0	3201.2	2876.0	2593.0	2262.5	1896.4	1550.1	1238.6	962.4	724.0	526.4
17.5°	3858.1	3406.2	3116.8	2811.5	2453.7	2060.1	1678.6	1333.5	1037.4	783.6	566.1
15°	4195.8	3713.3	3359.3	3024.2	2644.0	2217.6	1804.0	1424.7	1107.3	840.9	602.9
12.5°	4502.5	3999.1	3602.1	3229.8	2831.1	2367.8	1925.0	1511.5	1172.1	886.6	635.8
10°	4756.2	4264.1	3842.0	3427.2	3012.7	2509.5	2040.3	1582.2	1211.0	920.7	666.0
7.5°	4964.0	4509.1	4075.9	3615.0	3168.7	2602.2	2098.5	1623.4	1241.1	949.7	693.6
5°	5114.2	4672.5	4200.2	3680.5	3217.5	2640.3	2138.0	1657.0	1265.4	973.9	718.4
2.5°	5157.4	4722.7	4246.9	3716.3	3250.4	2664.9	2166.2	1682.6	1284.1	993.5	740.4
0°	5182.6	4755.8	4276.1	3738.4	3267.3	2676.6	2183.3	1700.2	1297.3	1008.9	759.6
-2.5°	5217.8	4784.3	4304.3	3795.1	3278.5	2712.4	2192.9	1711.7	1314.0	1014.4	770.8
-5°	5235.4	4795.4	4317.9	3833.1	3275.5	2733.8	2191.7	1715.3	1324.9	1016.3	779.0
-7.5°	5227.6	4791.7	4318.4	3845.1	3260.7	2738.7	2179.8	1711.5	1329.4	1014.9	784.1
-10°	5204.0	4772.2	4301.9	3814.2	3247.1	2719.4	2158.6	1700.7	1326.7	1010.5	786.1
-12.5°	5168.2	4735.9	4268.2	3769.8	3218.6	2679.5	2133.6	1682.0	1316.0	1003.5	784.8
-15°	5121.7	4683.1	4217.0	3713.4	3171.9	2626.4	2096.0	1654.9	1295.2	995.6	780.2
-17.5°	5062.0	4614.2	4148.0	3646.4	3106.0	2560.6	2045.6	1619.7	1269.1	985.9	770.7
-20°	4955.5	4521.7	4060.3	3570.3	3020.6	2482.7	1982.0	1576.2	1238.0	972.2	757.3



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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°	4835.8	4407.2	3951.0	3467.6	2917.6	2393.1	1905.2	1524.6	1202.2	954.2	741.2
-25°	4708.1	4278.2	3824.0	3325.5	2803.9	2298.4	1828.2	1464.8	1161.8	932.0	722.4
-27.5°	4558.2	4132.1	3680.1	3168.9	2671.8	2188.5	1754.4	1411.9	1122.8	905.6	701.2
-30°	4389.6	3960.4	3500.2	3001.9	2527.1	2061.4	1671.6	1355.3	1089.8	876.7	677.5
-32.5°	4196.4	3771.2	3300.8	2831.0	2374.1	1926.6	1580.3	1294.9	1051.6	846.0	655.5
-35°	3976.5	3551.0	3089.5	2647.4	2212.1	1817.7	1491.0	1230.7	1008.3	812.9	632.4
-37.5°	3747.5	3314.7	2878.2	2455.7	2039.9	1699.7	1410.6	1167.3	960.0	777.4	606.9
-40°	3486.0	3071.6	2656.5	2258.3	1890.7	1573.1	1323.7	1104.8	914.3	739.6	579.0
-42.5°	3216.5	2816.6	2425.2	2049.3	1743.6	1470.0	1232.7	1037.5	866.1	703.1	548.7
-45°	2926.1	2547.3	2179.2	1873.2	1593.9	1360.8	1152.9	967.7	814.7	665.8	517.4
-47.5°	2619.6	2263.5	1955.7	1689.7	1466.6	1251.1	1068.2	907.3	760.7	625.8	486.0
-50°	2295.1	1999.2	1749.8	1530.2	1329.4	1152.3	983.7	844.1	711.2	581.6	453.1
-52.5°	2007.4	1770.4	1564.0	1376.1	1208.4	1048.4	911.0	779.2	660.1	539.2	418.8
-55°	1761.0	1566.7	1392.5	1236.1	1088.5	959.4	835.5	721.6	607.7	496.8	384.0
-57.5°	1548.2	1378.4	1238.9	1103.1	981.2	871.1	766.6	662.8	557.5	452.9	356.4
-60°	1343.7	1216.9	1092.8	983.7	880.5	787.1	701.7	604.0	506.8	408.9	325.9
-62.5°	1167.1	1058.8	965.1	869.9	784.2	708.0	636.2	546.4	454.6	368.3	292.7
-65°	1001.6	918.4	838.6	762.6	691.5	627.0	568.9	487.4	402.3	325.2	258.2
-67.5°	844.4	781.8	719.0	655.3	599.4	547.1	497.4	423.8	347.7	279.9	224.0
-70°	704.0	650.4	601.3	554.0	508.6	465.0	418.2	356.1	290.6	239.3	189.0
-72.5°	571.4	532.3	491.5	452.6	419.1	380.7	337.6	289.2	243.3	197.9	153.2
-75°	448.7	422.9	394.2	363.2	332.0	297.8	269.3	235.4	195.4	155.8	123.5
-77.5°	359.0	333.8	305.0	280.4	259.5	236.1	210.2	180.7	149.0	121.2	95.4
-80°	264.8	245.6	229.3	215.1	195.7	174.4	152.9	131.5	108.3	86.8	66.9
-82.5°	161.5	157.3	152.8	146.3	130.1	114.2	98.7	83.4	67.0	51.8	42.9
-85°	80.8	79.1	76.7	73.3	63.4	53.7	49.2	44.6	39.1	33.8	28.7
-87.5°	26.5	28.5	30.1	31.3	29.1	26.9	24.6	22.3	19.6	16.9	14.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.7	0.6	0.4	0.3	0.2	0.0
85°	1.8	1.5	1.2	0.9	0.6	0.4	0.0
82.5°	2.6	2.2	1.8	1.3	0.9	0.6	0.0
80°	3.4	2.9	2.3	1.8	1.2	0.7	0.0
77.5°	3.4	3.4	2.9	2.2	1.5	0.9	0.0
75°	3.4	3.5	3.4	2.6	1.8	1.1	0.0
72.5°	3.5	3.7	3.6	3.1	2.1	1.3	0.0
70°	3.6	3.8	3.7	3.4	2.4	1.5	0.0
67.5°	4.0	3.9	3.9	3.6	2.7	1.7	0.0
65°	4.6	4.5	4.1	3.8	3.0	1.8	0.0
62.5°	5.3	5.6	4.3	3.9	3.3	2.0	0.0
60°	6.3	6.8	4.5	4.1	3.6	2.2	0.0
57.5°	11.7	8.2	5.8	4.3	3.8	2.4	0.0
55°	18.6	9.7	7.2	4.5	4.0	2.5	0.0
52.5°	26.7	12.4	8.7	4.7	4.2	2.7	0.0
50°	36.0	21.2	10.3	4.9	4.4	2.9	0.0
47.5°	48.4	30.6	11.9	5.3	4.6	3.0	0.0
45°	73.0	40.7	13.6	6.6	4.8	3.2	0.0
42.5°	98.3	51.5	15.4	7.9	5.0	3.3	0.0
40°	124.1	62.8	20.7	9.6	5.2	3.5	0.0
37.5°	150.3	74.8	29.6	11.6	5.4	3.6	0.0
35°	177.0	92.9	38.7	13.9	5.7	3.8	0.0
32.5°	206.0	114.0	47.8	16.4	5.9	3.9	0.0
30°	239.1	134.9	57.0	19.1	6.1	4.0	0.0
27.5°	271.5	155.5	68.4	22.0	6.3	4.2	0.0
25°	303.2	175.8	80.1	25.0	6.6	4.3	0.0
22.5°	333.9	196.5	91.7	28.2	6.8	4.4	0.0
20°	363.6	218.7	103.3	31.5	7.0	4.5	0.0
17.5°	393.0	240.2	114.6	34.8	7.2	4.6	0.0
15°	421.2	260.9	125.7	38.1	7.4	4.7	0.0
12.5°	447.7	280.6	136.4	41.4	7.6	4.8	0.0
10°	472.2	299.2	146.6	44.7	7.8	4.9	0.0
7.5°	494.7	316.6	156.3	47.9	8.0	4.9	0.0
5°	515.1	332.7	165.3	50.9	8.2	5.0	0.0
2.5°	533.5	347.2	173.5	53.7	8.3	5.1	0.0
0°	549.7	360.2	180.9	56.3	8.5	5.1	0.0
-2.5°	557.7	368.4	187.8	60.0	9.8	5.4	0.0
-5°	563.6	374.9	193.7	63.3	11.2	5.7	0.0
-7.5°	567.4	379.6	198.4	66.4	12.4	5.9	0.0
-10°	569.0	382.5	202.1	69.0	13.7	6.2	0.0
-12.5°	568.7	383.7	204.5	71.2	14.8	6.4	0.0
-15°	566.5	383.2	205.7	73.0	16.0	6.6	0.0
-17.5°	562.3	380.9	205.5	74.2	17.0	6.8	0.0
-20°	555.9	376.8	204.0	75.0	17.9	7.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	546.6	371.1	201.2	75.2	18.8	7.1	0.0
-25°	535.2	362.2	196.9	74.9	19.5	7.2	0.0
-27.5°	521.6	351.1	191.2	74.0	20.2	7.3	0.0
-30°	505.9	338.4	184.0	72.5	20.7	7.4	0.0
-32.5°	488.0	324.2	175.6	70.3	21.1	7.4	0.0
-35°	468.7	308.6	166.3	67.6	21.4	7.4	0.0
-37.5°	448.0	292.9	156.1	64.2	21.6	7.4	0.0
-40°	425.6	278.7	144.9	60.2	21.6	7.3	0.0
-42.5°	401.7	263.5	136.5	55.9	21.5	7.2	0.0
-45°	376.3	247.3	130.7	51.5	21.2	7.0	0.0
-47.5°	349.5	230.1	123.9	46.5	20.8	6.9	0.0
-50°	327.0	212.1	116.0	44.9	20.3	6.7	0.0
-52.5°	304.6	193.1	107.2	44.0	19.7	6.4	0.0
-55°	281.3	178.8	97.4	42.6	18.9	6.1	0.0
-57.5°	257.1	164.3	86.7	40.8	18.0	5.8	0.0
-60°	232.5	148.4	75.4	38.5	17.0	5.5	0.0
-62.5°	210.1	131.3	70.0	35.7	15.9	5.2	0.0
-65°	186.0	113.0	63.9	32.6	14.8	4.8	0.0
-67.5°	160.5	97.7	57.1	29.1	13.6	4.4	0.0
-70°	133.5	85.5	49.7	25.2	12.3	3.9	0.0
-72.5°	113.0	72.4	41.7	22.2	10.9	3.5	0.0
-75°	92.3	58.4	33.2	19.3	9.5	3.0	0.0
-77.5°	70.7	43.8	27.4	16.3	8.0	2.6	0.0
-80°	48.3	33.4	22.1	13.2	6.4	2.1	0.0
-82.5°	35.4	25.2	16.7	9.9	4.9	1.6	0.0
-85°	23.8	16.9	11.2	6.7	3.3	1.0	0.0
-87.5°	11.9	8.5	5.6	3.3	1.6	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)