

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: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5C-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645518 (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: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-735-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30514.1 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

Beam Angle (50%): 117.8°H x 112°V
Beam Lumens: 25394.4 lumens
Beam Efficiency: 83.2%

Field Angle (10%): 152.8°H x 150.5°V
Field Lumens: 29914 lumens
Field Efficiency: 98.0%

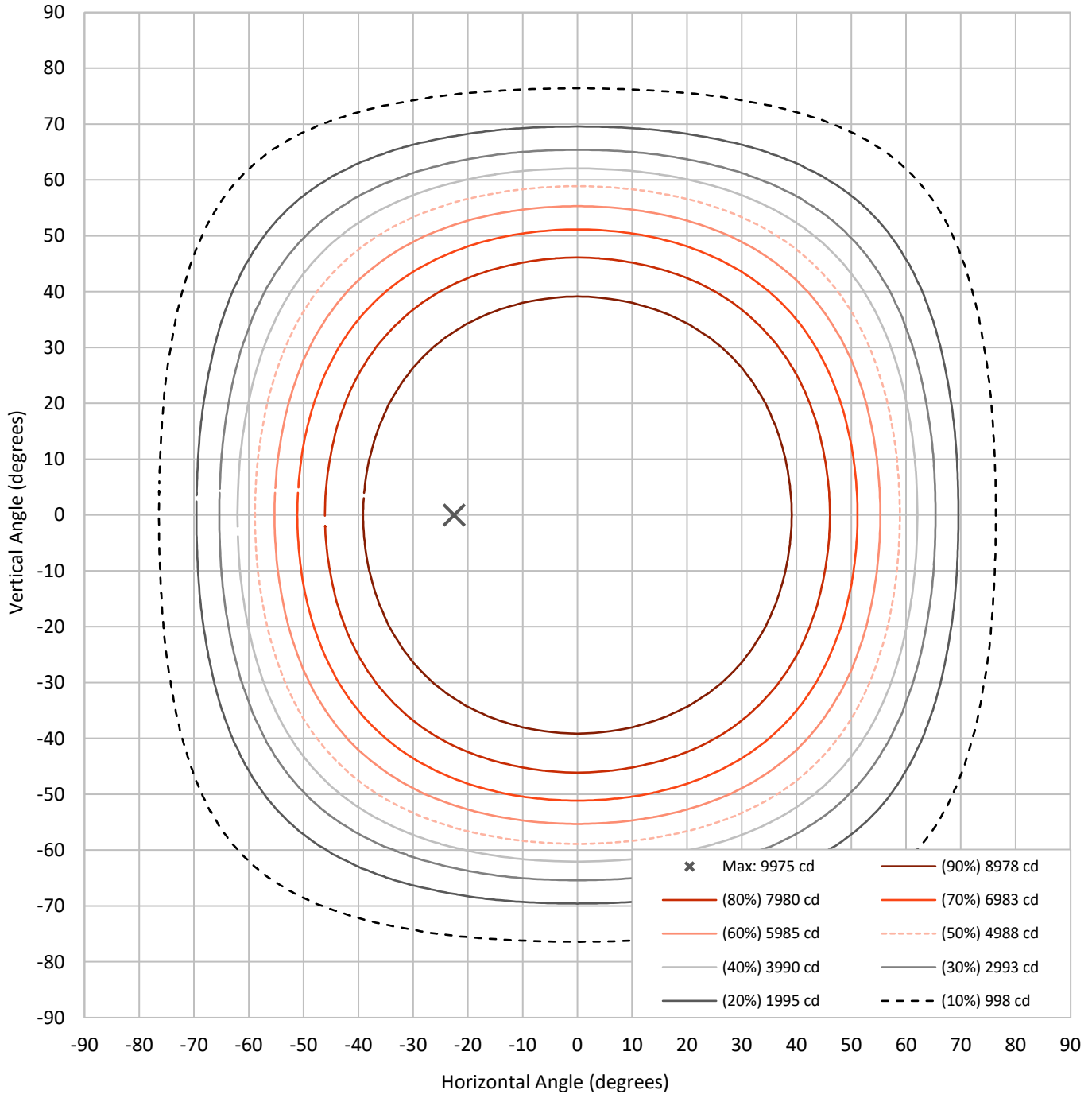
NEMA Type: 7H x 7V
Max Intensity: 9975 candela
Max Intensity Angle: -22.5°H x 0°V

Input Watts (W): 206.1
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



REPORT NUMBER: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-735-U-LAM-XX

Iso-Candela Plot





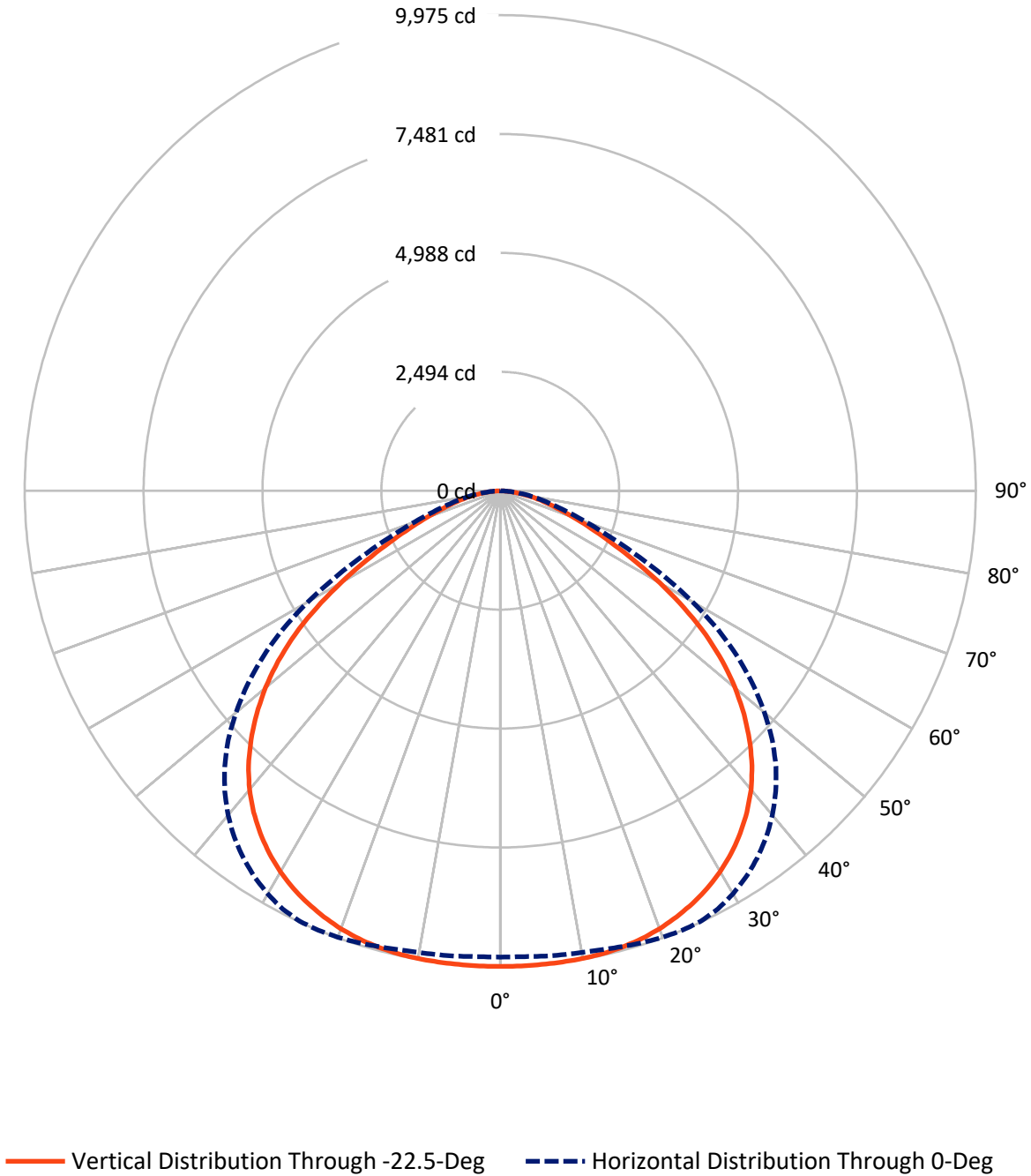
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Lumen Table

90																		
80	1.5	15.8	44.7	74.4	87.1	74.4	44.7	15.8	1.5									
70																		
60	7.5	8.9	18.6	32.4	50.1	69.2	85.6	94.6	94.6	85.6	69.2	50.1	32.4	18.6	8.9			7.5
50																		
40	14.2	13.8	31.7	61.3	100.3	138.0	166.1	181.1	181.1	166.1	138.0	100.3	61.3	31.7	13.8			14.2
30																		
20	19.5	19.7	50.0	99.7	152.8	197.3	228.8	244.9	244.9	228.8	197.3	152.8	99.7	50.0	19.7			19.5
10																		
0	21.6	26.4	70.8	132.2	190.0	236.2	267.3	282.8	282.8	267.3	236.2	190.0	132.2	70.8	26.4			21.6
-10																		
-20	19.5	33.0	88.1	154.4	213.7	258.7	287.4	300.2	300.2	287.4	258.7	213.7	154.4	88.1	33.0			19.5
-30																		
-40	14.2	38.4	99.5	167.9	226.9	269.7	292.5	300.3	300.3	292.5	269.7	226.9	167.9	99.5	38.4			14.2
-50																		
-60	7.5	41.2	105.1	174.3	232.7	273.1	291.2	297.5	297.5	291.2	273.1	232.7	174.3	105.1	41.2			7.5
-70																		
-80	1.5	41.2	105.1	174.3	232.7	273.1	291.2	297.5	297.5	291.2	273.1	232.7	174.3	105.1	41.2			1.5
-90																		

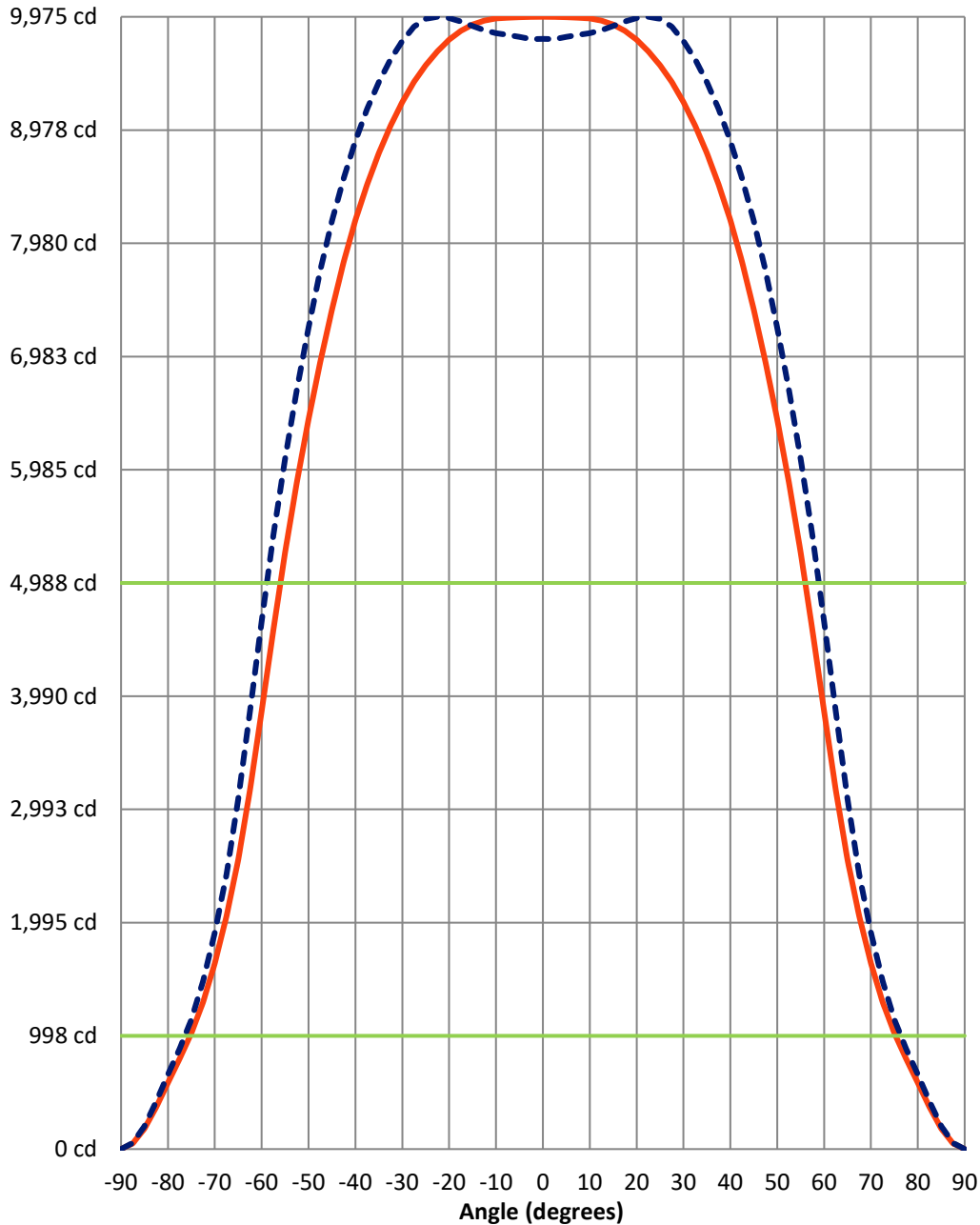
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 25394.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 29914
 Efficiency: 98.0%

Spill:
 Lumens: 600.1
 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	2.4	4.8	7.1	9.5	11.8	14.1	16.4	18.7	20.9	23.1
85°	0.0	4.8	9.5	14.2	18.9	23.6	28.2	32.8	37.3	41.7	46.1
82.5°	0.0	7.1	14.2	21.3	28.4	35.4	42.3	49.1	58.1	76.2	93.9
80°	0.0	9.5	18.9	28.4	37.7	47.0	59.1	83.9	108.3	132.4	156.0
77.5°	0.0	11.8	23.6	35.4	47.0	65.6	96.8	127.7	158.2	188.2	224.5
75°	0.0	14.1	28.2	42.3	59.1	96.8	134.2	171.2	209.8	262.1	313.6
72.5°	0.0	16.4	32.8	49.1	83.9	127.7	171.2	219.3	281.1	342.0	401.9
70°	0.0	18.7	37.3	58.1	108.3	158.2	209.8	281.1	351.5	421.1	496.3
67.5°	0.0	20.9	41.7	76.2	132.4	188.2	262.1	342.0	421.1	506.7	591.1
65°	0.0	23.1	46.1	93.9	156.0	224.5	313.6	401.9	496.3	591.1	683.2
62.5°	0.0	25.2	50.4	111.3	179.2	266.6	364.1	464.9	570.1	673.1	770.8
60°	0.0	27.3	54.5	128.3	201.9	307.8	413.5	528.3	642.4	750.6	856.7
57.5°	0.0	29.3	65.5	144.9	233.6	348.1	466.1	590.2	710.5	826.4	948.4
55°	0.0	31.3	76.3	161.1	264.9	387.2	517.8	650.5	776.3	902.5	1041.5
52.5°	0.0	33.2	86.7	176.7	295.3	425.9	568.0	706.8	840.2	984.1	1132.2
50°	0.0	35.1	96.8	191.9	324.8	466.4	616.7	761.0	904.6	1063.3	1244.8
47.5°	0.0	36.9	106.6	208.1	353.2	505.5	663.4	813.3	972.6	1139.9	1356.7
45°	0.0	38.6	115.9	228.6	380.5	543.1	706.5	863.7	1038.1	1236.3	1464.7
42.5°	0.0	40.2	124.9	248.2	406.6	579.2	747.9	915.9	1101.0	1329.5	1592.0
40°	0.0	41.8	133.4	266.8	432.8	613.6	787.4	968.3	1167.2	1418.6	1717.7
37.5°	0.0	43.3	141.6	284.6	458.9	646.3	824.9	1018.1	1242.3	1509.7	1837.5
35°	0.0	44.7	149.2	301.4	483.6	676.3	860.4	1065.4	1313.5	1611.5	1959.9
32.5°	0.0	46.0	156.4	317.1	506.8	704.0	895.2	1109.8	1380.5	1707.4	2088.5
30°	0.0	47.3	163.2	331.8	528.5	730.0	930.6	1154.4	1443.3	1797.3	2209.1
27.5°	0.0	48.4	169.4	345.5	548.6	754.0	963.6	1205.2	1507.4	1880.8	2321.3
25°	0.0	49.5	175.1	358.1	567.1	776.2	993.9	1251.9	1575.3	1967.9	2426.2
22.5°	0.0	50.4	180.4	369.5	583.9	796.4	1021.5	1294.5	1637.4	2052.3	2548.6
20°	0.0	51.3	185.1	379.8	599.1	814.5	1046.4	1332.9	1693.3	2128.4	2659.2
17.5°	0.0	52.1	189.2	388.9	612.5	830.7	1068.5	1367.0	1743.0	2196.1	2757.6
15°	0.0	52.7	192.9	396.9	624.3	844.7	1087.8	1396.7	1786.4	2255.2	2843.4
12.5°	0.0	53.3	195.9	403.6	634.2	856.7	1104.1	1422.0	1823.2	2305.4	2916.5
10°	0.0	53.8	198.5	409.2	642.4	866.5	1117.6	1442.8	1853.5	2346.7	2976.6
7.5°	0.0	54.1	200.5	413.5	648.8	874.1	1128.1	1459.0	1877.2	2379.0	3023.6
5°	0.0	54.4	201.9	416.6	653.3	879.6	1135.6	1470.6	1894.1	2402.1	3057.2
2.5°	0.0	54.5	202.7	418.5	656.1	882.9	1140.1	1477.6	1904.3	2416.0	3077.5
0°	0.0	54.6	203.0	419.1	657.0	884.0	1141.6	1479.9	1907.7	2420.6	3084.2
-2.5°	0.0	54.5	202.7	418.5	656.1	882.9	1140.1	1477.6	1904.3	2416.0	3077.5
-5°	0.0	54.4	201.9	416.6	653.3	879.6	1135.6	1470.6	1894.1	2402.1	3057.2
-7.5°	0.0	54.1	200.5	413.5	648.8	874.1	1128.1	1459.0	1877.2	2379.0	3023.6
-10°	0.0	53.8	198.5	409.2	642.4	866.5	1117.6	1442.8	1853.5	2346.7	2976.6
-12.5°	0.0	53.3	195.9	403.6	634.2	856.7	1104.1	1422.0	1823.2	2305.4	2916.5
-15°	0.0	52.7	192.9	396.9	624.3	844.7	1087.8	1396.7	1786.4	2255.2	2843.4
-17.5°	0.0	52.1	189.2	388.9	612.5	830.7	1068.5	1367.0	1743.0	2196.1	2757.6
-20°	0.0	51.3	185.1	379.8	599.1	814.5	1046.4	1332.9	1693.3	2128.4	2659.2

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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	50.4	180.4	369.5	583.9	796.4	1021.5	1294.5	1637.4	2052.3	2548.6
-25°	0.0	49.5	175.1	358.1	567.1	776.2	993.9	1251.9	1575.3	1967.9	2426.2
-27.5°	0.0	48.4	169.4	345.5	548.6	754.0	963.6	1205.2	1507.4	1880.8	2321.3
-30°	0.0	47.3	163.2	331.8	528.5	730.0	930.6	1154.4	1443.3	1797.3	2209.1
-32.5°	0.0	46.0	156.4	317.1	506.8	704.0	895.2	1109.8	1380.5	1707.4	2088.5
-35°	0.0	44.7	149.2	301.4	483.6	676.3	860.4	1065.4	1313.5	1611.5	1959.9
-37.5°	0.0	43.3	141.6	284.6	458.9	646.3	824.9	1018.1	1242.3	1509.7	1837.5
-40°	0.0	41.8	133.4	266.8	432.8	613.6	787.4	968.3	1167.2	1418.6	1717.7
-42.5°	0.0	40.2	124.9	248.2	406.6	579.2	747.9	915.9	1101.0	1329.5	1592.0
-45°	0.0	38.6	115.9	228.6	380.5	543.1	706.5	863.7	1038.1	1236.3	1464.7
-47.5°	0.0	36.9	106.6	208.1	353.2	505.5	663.4	813.3	972.6	1139.9	1356.7
-50°	0.0	35.1	96.8	191.9	324.8	466.4	616.7	761.0	904.6	1063.3	1244.8
-52.5°	0.0	33.2	86.7	176.7	295.3	425.9	568.0	706.8	840.2	984.1	1132.2
-55°	0.0	31.3	76.3	161.1	264.9	387.2	517.8	650.5	776.3	902.5	1041.5
-57.5°	0.0	29.3	65.5	144.9	233.6	348.1	466.1	590.2	710.5	826.4	948.4
-60°	0.0	27.3	54.5	128.3	201.9	307.8	413.5	528.3	642.4	750.6	856.7
-62.5°	0.0	25.2	50.4	111.3	179.2	266.6	364.1	464.9	570.1	673.1	770.8
-65°	0.0	23.1	46.1	93.9	156.0	224.5	313.6	401.9	496.3	591.1	683.2
-67.5°	0.0	20.9	41.7	76.2	132.4	188.2	262.1	342.0	421.1	506.7	591.1
-70°	0.0	18.7	37.3	58.1	108.3	158.2	209.8	281.1	351.5	421.1	496.3
-72.5°	0.0	16.4	32.8	49.1	83.9	127.7	171.2	219.3	281.1	342.0	401.9
-75°	0.0	14.1	28.2	42.3	59.1	96.8	134.2	171.2	209.8	262.1	313.6
-77.5°	0.0	11.8	23.6	35.4	47.0	65.6	96.8	127.7	158.2	188.2	224.5
-80°	0.0	9.5	18.9	28.4	37.7	47.0	59.1	83.9	108.3	132.4	156.0
-82.5°	0.0	7.1	14.2	21.3	28.4	35.4	42.3	49.1	58.1	76.2	93.9
-85°	0.0	4.8	9.5	14.2	18.9	23.6	28.2	32.8	37.3	41.7	46.1
-87.5°	0.0	2.4	4.8	7.1	9.5	11.8	14.1	16.4	18.7	20.9	23.1
-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):

	-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°	25.2	27.3	29.3	31.3	33.2	35.1	36.9	38.6	40.2	41.8	43.3
85°	50.4	54.5	65.5	76.3	86.7	96.8	106.6	115.9	124.9	133.4	141.6
82.5°	111.3	128.3	144.9	161.1	176.7	191.9	208.1	228.6	248.2	266.8	284.6
80°	179.2	201.9	233.6	264.9	295.3	324.8	353.2	380.5	406.6	432.8	458.9
77.5°	266.6	307.8	348.1	387.2	425.9	466.4	505.5	543.1	579.2	613.6	646.3
75°	364.1	413.5	466.1	517.8	568.0	616.7	663.4	706.5	747.9	787.4	824.9
72.5°	464.9	528.3	590.2	650.5	706.8	761.0	813.3	863.7	915.9	968.3	1018.1
70°	570.1	642.4	710.5	776.3	840.2	904.6	972.6	1038.1	1101.0	1167.2	1242.3
67.5°	673.1	750.6	826.4	902.5	984.1	1063.3	1139.9	1236.3	1329.5	1418.6	1509.7
65°	770.8	856.7	948.4	1041.5	1132.2	1244.8	1356.7	1464.7	1592.0	1717.7	1837.5
62.5°	866.8	971.4	1076.2	1190.0	1321.0	1448.2	1595.7	1746.3	1891.2	2054.4	2213.3
60°	971.4	1087.8	1220.6	1367.0	1517.7	1693.3	1863.7	2052.3	2242.5	2426.2	2651.7
57.5°	1076.2	1220.6	1382.4	1556.9	1752.3	1949.6	2171.2	2385.6	2642.8	2899.7	3155.4
55°	1190.0	1367.0	1556.9	1772.1	1997.3	2243.1	2500.0	2799.5	3089.4	3412.3	3721.6
52.5°	1321.0	1517.7	1752.3	1997.3	2267.1	2562.8	2894.4	3237.3	3598.4	3949.0	4293.0
50°	1448.2	1693.3	1949.6	2243.1	2562.8	2926.1	3311.7	3711.1	4105.3	4489.9	4850.0
47.5°	1595.7	1863.7	2171.2	2500.0	2894.4	3311.7	3748.8	4184.0	4609.2	5003.7	5381.6
45°	1746.3	2052.3	2385.6	2799.5	3237.3	3711.1	4184.0	4649.2	5081.2	5488.9	5845.5
42.5°	1891.2	2242.5	2642.8	3089.4	3598.4	4105.3	4609.2	5081.2	5523.8	5916.3	6274.6
40°	2054.4	2426.2	2899.7	3412.3	3949.0	4489.9	5003.7	5488.9	5916.3	6307.2	6670.0
37.5°	2213.3	2651.7	3155.4	3721.6	4293.0	4850.0	5381.6	5845.5	6274.6	6670.0	7018.0
35°	2364.2	2866.1	3427.0	4021.3	4621.2	5187.6	5704.9	6177.2	6603.5	6987.3	7343.1
32.5°	2531.9	3068.7	3684.0	4309.3	4920.3	5497.0	6009.8	6471.8	6895.7	7285.4	7638.7
30°	2704.9	3287.3	3928.0	4580.6	5201.2	5765.3	6277.2	6745.1	7165.6	7550.5	7896.7
27.5°	2866.1	3493.4	4160.7	4826.0	5457.8	6016.8	6521.9	6982.5	7405.5	7792.9	8128.5
25°	3014.9	3684.0	4376.2	5050.7	5673.8	6234.2	6743.8	7204.1	7624.6	7996.4	8322.7
22.5°	3161.9	3858.6	4573.6	5256.8	5872.2	6428.4	6933.4	7394.9	7815.7	8184.0	8497.1
20°	3304.7	4021.3	4747.8	5439.6	6052.3	6604.9	7106.1	7566.7	7976.2	8332.9	8644.5
17.5°	3431.8	4166.3	4900.2	5587.2	6200.4	6755.6	7258.9	7720.9	8120.6	8467.2	8771.8
15°	3542.9	4293.0	5033.4	5716.4	6327.7	6880.8	7384.1	7841.1	8238.1	8581.8	8884.2
12.5°	3637.5	4401.0	5147.2	5826.8	6436.6	6988.0	7491.3	7942.0	8332.3	8671.5	8967.5
10°	3715.3	4489.9	5240.8	5917.7	6526.4	7076.5	7580.0	8025.6	8410.5	8746.1	9036.8
7.5°	3776.1	4559.4	5314.1	5988.9	6596.7	7145.8	7649.6	8091.2	8472.0	8804.9	9091.6
5°	3819.7	4609.2	5366.6	6040.0	6647.2	7195.7	7699.7	8138.4	8516.2	8847.2	9131.1
2.5°	3846.0	4639.2	5398.2	6070.7	6677.6	7225.7	7729.8	8166.9	8543.0	8872.8	9155.0
0°	3854.7	4649.2	5408.8	6081.0	6687.8	7235.7	7739.9	8176.4	8551.9	8881.4	9163.0
-2.5°	3846.0	4639.2	5398.2	6070.7	6677.6	7225.7	7729.8	8166.9	8543.0	8872.8	9155.0
-5°	3819.7	4609.2	5366.6	6040.0	6647.2	7195.7	7699.7	8138.4	8516.2	8847.2	9131.1
-7.5°	3776.1	4559.4	5314.1	5988.9	6596.7	7145.8	7649.6	8091.2	8472.0	8804.9	9091.6
-10°	3715.3	4489.9	5240.8	5917.7	6526.4	7076.5	7580.0	8025.6	8410.5	8746.1	9036.8
-12.5°	3637.5	4401.0	5147.2	5826.8	6436.6	6988.0	7491.3	7942.0	8332.3	8671.5	8967.5
-15°	3542.9	4293.0	5033.4	5716.4	6327.7	6880.8	7384.1	7841.1	8238.1	8581.8	8884.2
-17.5°	3431.8	4166.3	4900.2	5587.2	6200.4	6755.6	7258.9	7720.9	8120.6	8467.2	8771.8
-20°	3304.7	4021.3	4747.8	5439.6	6052.3	6604.9	7106.1	7566.7	7976.2	8332.9	8644.5



REPORT NUMBER: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-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°	3161.9	3858.6	4573.6	5256.8	5872.2	6428.4	6933.4	7394.9	7815.7	8184.0	8497.1
-25°	3014.9	3684.0	4376.2	5050.7	5673.8	6234.2	6743.8	7204.1	7624.6	7996.4	8322.7
-27.5°	2866.1	3493.4	4160.7	4826.0	5457.8	6016.8	6521.9	6982.5	7405.5	7792.9	8128.5
-30°	2704.9	3287.3	3928.0	4580.6	5201.2	5765.3	6277.2	6745.1	7165.6	7550.5	7896.7
-32.5°	2531.9	3068.7	3684.0	4309.3	4920.3	5497.0	6009.8	6471.8	6895.7	7285.4	7638.7
-35°	2364.2	2866.1	3427.0	4021.3	4621.2	5187.6	5704.9	6177.2	6603.5	6987.3	7343.1
-37.5°	2213.3	2651.7	3155.4	3721.6	4293.0	4850.0	5381.6	5845.5	6274.6	6670.0	7018.0
-40°	2054.4	2426.2	2899.7	3412.3	3949.0	4489.9	5003.7	5488.9	5916.3	6307.2	6670.0
-42.5°	1891.2	2242.5	2642.8	3089.4	3598.4	4105.3	4609.2	5081.2	5523.8	5916.3	6274.6
-45°	1746.3	2052.3	2385.6	2799.5	3237.3	3711.1	4184.0	4649.2	5081.2	5488.9	5845.5
-47.5°	1595.7	1863.7	2171.2	2500.0	2894.4	3311.7	3748.8	4184.0	4609.2	5003.7	5381.6
-50°	1448.2	1693.3	1949.6	2243.1	2562.8	2926.1	3311.7	3711.1	4105.3	4489.9	4850.0
-52.5°	1321.0	1517.7	1752.3	1997.3	2267.1	2562.8	2894.4	3237.3	3598.4	3949.0	4293.0
-55°	1190.0	1367.0	1556.9	1772.1	1997.3	2243.1	2500.0	2799.5	3089.4	3412.3	3721.6
-57.5°	1076.2	1220.6	1382.4	1556.9	1752.3	1949.6	2171.2	2385.6	2642.8	2899.7	3155.4
-60°	971.4	1087.8	1220.6	1367.0	1517.7	1693.3	1863.7	2052.3	2242.5	2426.2	2651.7
-62.5°	866.8	971.4	1076.2	1190.0	1321.0	1448.2	1595.7	1746.3	1891.2	2054.4	2213.3
-65°	770.8	856.7	948.4	1041.5	1132.2	1244.8	1356.7	1464.7	1592.0	1717.7	1837.5
-67.5°	673.1	750.6	826.4	902.5	984.1	1063.3	1139.9	1236.3	1329.5	1418.6	1509.7
-70°	570.1	642.4	710.5	776.3	840.2	904.6	972.6	1038.1	1101.0	1167.2	1242.3
-72.5°	464.9	528.3	590.2	650.5	706.8	761.0	813.3	863.7	915.9	968.3	1018.1
-75°	364.1	413.5	466.1	517.8	568.0	616.7	663.4	706.5	747.9	787.4	824.9
-77.5°	266.6	307.8	348.1	387.2	425.9	466.4	505.5	543.1	579.2	613.6	646.3
-80°	179.2	201.9	233.6	264.9	295.3	324.8	353.2	380.5	406.6	432.8	458.9
-82.5°	111.3	128.3	144.9	161.1	176.7	191.9	208.1	228.6	248.2	266.8	284.6
-85°	50.4	54.5	65.5	76.3	86.7	96.8	106.6	115.9	124.9	133.4	141.6
-87.5°	25.2	27.3	29.3	31.3	33.2	35.1	36.9	38.6	40.2	41.8	43.3
-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: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-735-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°	44.7	46.0	47.3	48.4	49.5	50.4	51.3	52.1	52.7	53.3	53.8
85°	149.2	156.4	163.2	169.4	175.1	180.4	185.1	189.2	192.9	195.9	198.5
82.5°	301.4	317.1	331.8	345.5	358.1	369.5	379.8	388.9	396.9	403.6	409.2
80°	483.6	506.8	528.5	548.6	567.1	583.9	599.1	612.5	624.3	634.2	642.4
77.5°	676.3	704.0	730.0	754.0	776.2	796.4	814.5	830.7	844.7	856.7	866.5
75°	860.4	895.2	930.6	963.6	993.9	1021.5	1046.4	1068.5	1087.8	1104.1	1117.6
72.5°	1065.4	1109.8	1154.4	1205.2	1251.9	1294.5	1332.9	1367.0	1396.7	1422.0	1442.8
70°	1313.5	1380.5	1443.3	1507.4	1575.3	1637.4	1693.3	1743.0	1786.4	1823.2	1853.5
67.5°	1611.5	1707.4	1797.3	1880.8	1967.9	2052.3	2128.4	2196.1	2255.2	2305.4	2346.7
65°	1959.9	2088.5	2209.1	2321.3	2426.2	2548.6	2659.2	2757.6	2843.4	2916.5	2976.6
62.5°	2364.2	2531.9	2704.9	2866.1	3014.9	3161.9	3304.7	3431.8	3542.9	3637.5	3715.3
60°	2866.1	3068.7	3287.3	3493.4	3684.0	3858.6	4021.3	4166.3	4293.0	4401.0	4489.9
57.5°	3427.0	3684.0	3928.0	4160.7	4376.2	4573.6	4747.8	4900.2	5033.4	5147.2	5240.8
55°	4021.3	4309.3	4580.6	4826.0	5050.7	5256.8	5439.6	5587.2	5716.4	5826.8	5917.7
52.5°	4621.2	4920.3	5201.2	5457.8	5673.8	5872.2	6052.3	6200.4	6327.7	6436.6	6526.4
50°	5187.6	5497.0	5765.3	6016.8	6234.2	6428.4	6604.9	6755.6	6880.8	6988.0	7076.5
47.5°	5704.9	6009.8	6277.2	6521.9	6743.8	6933.4	7106.1	7258.9	7384.1	7491.3	7580.0
45°	6177.2	6471.8	6745.1	6982.5	7204.1	7394.9	7566.7	7720.9	7841.1	7942.0	8025.6
42.5°	6603.5	6895.7	7165.6	7405.5	7624.6	7815.7	7976.2	8120.6	8238.1	8332.3	8410.5
40°	6987.3	7285.4	7550.5	7792.9	7996.4	8184.0	8332.9	8467.2	8581.8	8671.5	8746.1
37.5°	7343.1	7638.7	7896.7	8128.5	8322.7	8497.1	8644.5	8771.8	8884.2	8967.5	9036.8
35°	7668.3	7949.2	8204.4	8417.0	8609.4	8773.7	8918.7	9036.2	9140.6	9220.0	9283.3
32.5°	7949.2	8227.7	8464.8	8673.9	8861.8	9015.1	9154.3	9261.9	9356.7	9433.1	9491.8
30°	8204.4	8464.8	8695.6	8902.8	9074.0	9223.4	9348.7	9453.8	9541.3	9614.2	9665.8
27.5°	8417.0	8673.9	8902.8	9093.9	9257.8	9401.5	9516.2	9617.3	9693.8	9760.8	9805.3
25°	8609.4	8861.8	9074.0	9257.8	9416.8	9548.0	9657.2	9748.8	9816.6	9874.0	9907.1
22.5°	8773.7	9015.1	9223.4	9401.5	9548.0	9670.7	9773.5	9851.1	9906.6	9941.3	9960.9
20°	8918.7	9154.3	9348.7	9516.2	9657.2	9773.5	9862.8	9920.2	9958.8	9968.4	9974.0
17.5°	9036.2	9261.9	9453.8	9617.3	9748.8	9851.1	9920.2	9960.6	9972.2	9970.2	9964.4
15°	9140.6	9356.7	9541.3	9693.8	9816.6	9906.6	9958.8	9972.2	9968.9	9957.2	9939.2
12.5°	9220.0	9433.1	9614.2	9760.8	9874.0	9941.3	9968.4	9970.2	9957.2	9934.8	9909.3
10°	9283.3	9491.8	9665.8	9805.3	9907.1	9960.9	9974.0	9964.4	9939.2	9909.3	9880.9
7.5°	9333.3	9538.4	9706.9	9840.7	9928.7	9966.9	9969.8	9951.8	9921.4	9887.5	9856.9
5°	9369.5	9572.2	9736.8	9866.6	9944.6	9971.4	9966.7	9941.8	9906.7	9871.2	9843.2
2.5°	9391.5	9592.7	9755.0	9882.4	9954.2	9974.1	9964.8	9935.6	9897.4	9860.7	9834.1
0°	9398.8	9599.6	9761.1	9887.7	9957.5	9975.0	9964.1	9933.5	9894.2	9857.1	9830.9
-2.5°	9391.5	9592.7	9755.0	9882.4	9954.2	9974.1	9964.8	9935.6	9897.4	9860.7	9834.1
-5°	9369.5	9572.2	9736.8	9866.6	9944.6	9971.4	9966.7	9941.8	9906.7	9871.2	9843.2
-7.5°	9333.3	9538.4	9706.9	9840.7	9928.7	9966.9	9969.8	9951.8	9921.4	9887.5	9856.9
-10°	9283.3	9491.8	9665.8	9805.3	9907.1	9960.9	9974.0	9964.4	9939.2	9909.3	9880.9
-12.5°	9220.0	9433.1	9614.2	9760.8	9874.0	9941.3	9968.4	9970.2	9957.2	9934.8	9909.3
-15°	9140.6	9356.7	9541.3	9693.8	9816.6	9906.6	9958.8	9972.2	9968.9	9957.2	9939.2
-17.5°	9036.2	9261.9	9453.8	9617.3	9748.8	9851.1	9920.2	9960.6	9972.2	9970.2	9964.4
-20°	8918.7	9154.3	9348.7	9516.2	9657.2	9773.5	9862.8	9920.2	9958.8	9968.4	9974.0



REPORT NUMBER: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8773.7	9015.1	9223.4	9401.5	9548.0	9670.7	9773.5	9851.1	9906.6	9941.3	9960.9
-25°	8609.4	8861.8	9074.0	9257.8	9416.8	9548.0	9657.2	9748.8	9816.6	9874.0	9907.1
-27.5°	8417.0	8673.9	8902.8	9093.9	9257.8	9401.5	9516.2	9617.3	9693.8	9760.8	9805.3
-30°	8204.4	8464.8	8695.6	8902.8	9074.0	9223.4	9348.7	9453.8	9541.3	9614.2	9665.8
-32.5°	7949.2	8227.7	8464.8	8673.9	8861.8	9015.1	9154.3	9261.9	9356.7	9433.1	9491.8
-35°	7668.3	7949.2	8204.4	8417.0	8609.4	8773.7	8918.7	9036.2	9140.6	9220.0	9283.3
-37.5°	7343.1	7638.7	7896.7	8128.5	8322.7	8497.1	8644.5	8771.8	8884.2	8967.5	9036.8
-40°	6987.3	7285.4	7550.5	7792.9	7996.4	8184.0	8332.9	8467.2	8581.8	8671.5	8746.1
-42.5°	6603.5	6895.7	7165.6	7405.5	7624.6	7815.7	7976.2	8120.6	8238.1	8332.3	8410.5
-45°	6177.2	6471.8	6745.1	6982.5	7204.1	7394.9	7566.7	7720.9	7841.1	7942.0	8025.6
-47.5°	5704.9	6009.8	6277.2	6521.9	6743.8	6933.4	7106.1	7258.9	7384.1	7491.3	7580.0
-50°	5187.6	5497.0	5765.3	6016.8	6234.2	6428.4	6604.9	6755.6	6880.8	6988.0	7076.5
-52.5°	4621.2	4920.3	5201.2	5457.8	5673.8	5872.2	6052.3	6200.4	6327.7	6436.6	6526.4
-55°	4021.3	4309.3	4580.6	4826.0	5050.7	5256.8	5439.6	5587.2	5716.4	5826.8	5917.7
-57.5°	3427.0	3684.0	3928.0	4160.7	4376.2	4573.6	4747.8	4900.2	5033.4	5147.2	5240.8
-60°	2866.1	3068.7	3287.3	3493.4	3684.0	3858.6	4021.3	4166.3	4293.0	4401.0	4489.9
-62.5°	2364.2	2531.9	2704.9	2866.1	3014.9	3161.9	3304.7	3431.8	3542.9	3637.5	3715.3
-65°	1959.9	2088.5	2209.1	2321.3	2426.2	2548.6	2659.2	2757.6	2843.4	2916.5	2976.6
-67.5°	1611.5	1707.4	1797.3	1880.8	1967.9	2052.3	2128.4	2196.1	2255.2	2305.4	2346.7
-70°	1313.5	1380.5	1443.3	1507.4	1575.3	1637.4	1693.3	1743.0	1786.4	1823.2	1853.5
-72.5°	1065.4	1109.8	1154.4	1205.2	1251.9	1294.5	1332.9	1367.0	1396.7	1422.0	1442.8
-75°	860.4	895.2	930.6	963.6	993.9	1021.5	1046.4	1068.5	1087.8	1104.1	1117.6
-77.5°	676.3	704.0	730.0	754.0	776.2	796.4	814.5	830.7	844.7	856.7	866.5
-80°	483.6	506.8	528.5	548.6	567.1	583.9	599.1	612.5	624.3	634.2	642.4
-82.5°	301.4	317.1	331.8	345.5	358.1	369.5	379.8	388.9	396.9	403.6	409.2
-85°	149.2	156.4	163.2	169.4	175.1	180.4	185.1	189.2	192.9	195.9	198.5
-87.5°	44.7	46.0	47.3	48.4	49.5	50.4	51.3	52.1	52.7	53.3	53.8
-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: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-735-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°	54.1	54.4	54.5	54.6	54.5	54.4	54.1	53.8	53.3	52.7	52.1
85°	200.5	201.9	202.7	203.0	202.7	201.9	200.5	198.5	195.9	192.9	189.2
82.5°	413.5	416.6	418.5	419.1	418.5	416.6	413.5	409.2	403.6	396.9	388.9
80°	648.8	653.3	656.1	657.0	656.1	653.3	648.8	642.4	634.2	624.3	612.5
77.5°	874.1	879.6	882.9	884.0	882.9	879.6	874.1	866.5	856.7	844.7	830.7
75°	1128.1	1135.6	1140.1	1141.6	1140.1	1135.6	1128.1	1117.6	1104.1	1087.8	1068.5
72.5°	1459.0	1470.6	1477.6	1479.9	1477.6	1470.6	1459.0	1442.8	1422.0	1396.7	1367.0
70°	1877.2	1894.1	1904.3	1907.7	1904.3	1894.1	1877.2	1853.5	1823.2	1786.4	1743.0
67.5°	2379.0	2402.1	2416.0	2420.6	2416.0	2402.1	2379.0	2346.7	2305.4	2255.2	2196.1
65°	3023.6	3057.2	3077.5	3084.2	3077.5	3057.2	3023.6	2976.6	2916.5	2843.4	2757.6
62.5°	3776.1	3819.7	3846.0	3854.7	3846.0	3819.7	3776.1	3715.3	3637.5	3542.9	3431.8
60°	4559.4	4609.2	4639.2	4649.2	4639.2	4609.2	4559.4	4489.9	4401.0	4293.0	4166.3
57.5°	5314.1	5366.6	5398.2	5408.8	5398.2	5366.6	5314.1	5240.8	5147.2	5033.4	4900.2
55°	5988.9	6040.0	6070.7	6081.0	6070.7	6040.0	5988.9	5917.7	5826.8	5716.4	5587.2
52.5°	6596.7	6647.2	6677.6	6687.8	6677.6	6647.2	6596.7	6526.4	6436.6	6327.7	6200.4
50°	7145.8	7195.7	7225.7	7235.7	7225.7	7195.7	7145.8	7076.5	6988.0	6880.8	6755.6
47.5°	7649.6	7699.7	7729.8	7739.9	7729.8	7699.7	7649.6	7580.0	7491.3	7384.1	7258.9
45°	8091.2	8138.4	8166.9	8176.4	8166.9	8138.4	8091.2	8025.6	7942.0	7841.1	7720.9
42.5°	8472.0	8516.2	8543.0	8551.9	8543.0	8516.2	8472.0	8410.5	8332.3	8238.1	8120.6
40°	8804.9	8847.2	8872.8	8881.4	8872.8	8847.2	8804.9	8746.1	8671.5	8581.8	8467.2
37.5°	9091.6	9131.1	9155.0	9163.0	9155.0	9131.1	9091.6	9036.8	8967.5	8884.2	8771.8
35°	9333.3	9369.5	9391.5	9398.8	9391.5	9369.5	9333.3	9283.3	9220.0	9140.6	9036.2
32.5°	9538.4	9572.2	9592.7	9599.6	9592.7	9572.2	9538.4	9491.8	9433.1	9356.7	9261.9
30°	9706.9	9736.8	9755.0	9761.1	9755.0	9736.8	9706.9	9665.8	9614.2	9541.3	9453.8
27.5°	9840.7	9866.6	9882.4	9887.7	9882.4	9866.6	9840.7	9805.3	9760.8	9693.8	9617.3
25°	9928.7	9944.6	9954.2	9957.5	9954.2	9944.6	9928.7	9907.1	9874.0	9816.6	9748.8
22.5°	9966.9	9971.4	9974.1	9975.0	9974.1	9971.4	9966.9	9960.9	9941.3	9906.6	9851.1
20°	9969.8	9966.7	9964.8	9964.1	9964.8	9966.7	9969.8	9974.0	9968.4	9958.8	9920.2
17.5°	9951.8	9941.8	9935.6	9933.5	9935.6	9941.8	9951.8	9964.4	9970.2	9972.2	9960.6
15°	9921.4	9906.7	9897.4	9894.2	9897.4	9906.7	9921.4	9939.2	9957.2	9968.9	9972.2
12.5°	9887.5	9871.2	9860.7	9857.1	9860.7	9871.2	9887.5	9909.3	9934.8	9957.2	9970.2
10°	9856.9	9843.2	9834.1	9830.9	9834.1	9843.2	9856.9	9880.9	9909.3	9939.2	9964.4
7.5°	9837.1	9824.8	9818.1	9815.6	9818.1	9824.8	9837.1	9856.9	9887.5	9921.4	9951.8
5°	9824.8	9812.6	9802.3	9798.2	9802.3	9812.6	9824.8	9843.2	9871.2	9906.7	9941.8
2.5°	9818.1	9802.3	9786.7	9778.5	9786.7	9802.3	9818.1	9834.1	9860.7	9897.4	9935.6
0°	9815.6	9798.2	9778.5	9780.7	9778.5	9798.2	9815.6	9830.9	9857.1	9894.2	9933.5
-2.5°	9818.1	9802.3	9786.7	9778.5	9786.7	9802.3	9818.1	9834.1	9860.7	9897.4	9935.6
-5°	9824.8	9812.6	9802.3	9798.2	9802.3	9812.6	9824.8	9843.2	9871.2	9906.7	9941.8
-7.5°	9837.1	9824.8	9818.1	9815.6	9818.1	9824.8	9837.1	9856.9	9887.5	9921.4	9951.8
-10°	9856.9	9843.2	9834.1	9830.9	9834.1	9843.2	9856.9	9880.9	9909.3	9939.2	9964.4
-12.5°	9887.5	9871.2	9860.7	9857.1	9860.7	9871.2	9887.5	9909.3	9934.8	9957.2	9970.2
-15°	9921.4	9906.7	9897.4	9894.2	9897.4	9906.7	9921.4	9939.2	9957.2	9968.9	9972.2
-17.5°	9951.8	9941.8	9935.6	9933.5	9935.6	9941.8	9951.8	9964.4	9970.2	9972.2	9960.6
-20°	9969.8	9966.7	9964.8	9964.1	9964.8	9966.7	9969.8	9974.0	9968.4	9958.8	9920.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5C-735-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°	9966.9	9971.4	9974.1	9975.0	9974.1	9971.4	9966.9	9960.9	9941.3	9906.6	9851.1
-25°	9928.7	9944.6	9954.2	9957.5	9954.2	9944.6	9928.7	9907.1	9874.0	9816.6	9748.8
-27.5°	9840.7	9866.6	9882.4	9887.7	9882.4	9866.6	9840.7	9805.3	9760.8	9693.8	9617.3
-30°	9706.9	9736.8	9755.0	9761.1	9755.0	9736.8	9706.9	9665.8	9614.2	9541.3	9453.8
-32.5°	9538.4	9572.2	9592.7	9599.6	9592.7	9572.2	9538.4	9491.8	9433.1	9356.7	9261.9
-35°	9333.3	9369.5	9391.5	9398.8	9391.5	9369.5	9333.3	9283.3	9220.0	9140.6	9036.2
-37.5°	9091.6	9131.1	9155.0	9163.0	9155.0	9131.1	9091.6	9036.8	8967.5	8884.2	8771.8
-40°	8804.9	8847.2	8872.8	8881.4	8872.8	8847.2	8804.9	8746.1	8671.5	8581.8	8467.2
-42.5°	8472.0	8516.2	8543.0	8551.9	8543.0	8516.2	8472.0	8410.5	8332.3	8238.1	8120.6
-45°	8091.2	8138.4	8166.9	8176.4	8166.9	8138.4	8091.2	8025.6	7942.0	7841.1	7720.9
-47.5°	7649.6	7699.7	7729.8	7739.9	7729.8	7699.7	7649.6	7580.0	7491.3	7384.1	7258.9
-50°	7145.8	7195.7	7225.7	7235.7	7225.7	7195.7	7145.8	7076.5	6988.0	6880.8	6755.6
-52.5°	6596.7	6647.2	6677.6	6687.8	6677.6	6647.2	6596.7	6526.4	6436.6	6327.7	6200.4
-55°	5988.9	6040.0	6070.7	6081.0	6070.7	6040.0	5988.9	5917.7	5826.8	5716.4	5587.2
-57.5°	5314.1	5366.6	5398.2	5408.8	5398.2	5366.6	5314.1	5240.8	5147.2	5033.4	4900.2
-60°	4559.4	4609.2	4639.2	4649.2	4639.2	4609.2	4559.4	4489.9	4401.0	4293.0	4166.3
-62.5°	3776.1	3819.7	3846.0	3854.7	3846.0	3819.7	3776.1	3715.3	3637.5	3542.9	3431.8
-65°	3023.6	3057.2	3077.5	3084.2	3077.5	3057.2	3023.6	2976.6	2916.5	2843.4	2757.6
-67.5°	2379.0	2402.1	2416.0	2420.6	2416.0	2402.1	2379.0	2346.7	2305.4	2255.2	2196.1
-70°	1877.2	1894.1	1904.3	1907.7	1904.3	1894.1	1877.2	1853.5	1823.2	1786.4	1743.0
-72.5°	1459.0	1470.6	1477.6	1479.9	1477.6	1470.6	1459.0	1442.8	1422.0	1396.7	1367.0
-75°	1128.1	1135.6	1140.1	1141.6	1140.1	1135.6	1128.1	1117.6	1104.1	1087.8	1068.5
-77.5°	874.1	879.6	882.9	884.0	882.9	879.6	874.1	866.5	856.7	844.7	830.7
-80°	648.8	653.3	656.1	657.0	656.1	653.3	648.8	642.4	634.2	624.3	612.5
-82.5°	413.5	416.6	418.5	419.1	418.5	416.6	413.5	409.2	403.6	396.9	388.9
-85°	200.5	201.9	202.7	203.0	202.7	201.9	200.5	198.5	195.9	192.9	189.2
-87.5°	54.1	54.4	54.5	54.6	54.5	54.4	54.1	53.8	53.3	52.7	52.1
-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: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	51.3	50.4	49.5	48.4	47.3	46.0	44.7	43.3	41.8	40.2	38.6
85°	185.1	180.4	175.1	169.4	163.2	156.4	149.2	141.6	133.4	124.9	115.9
82.5°	379.8	369.5	358.1	345.5	331.8	317.1	301.4	284.6	266.8	248.2	228.6
80°	599.1	583.9	567.1	548.6	528.5	506.8	483.6	458.9	432.8	406.6	380.5
77.5°	814.5	796.4	776.2	754.0	730.0	704.0	676.3	646.3	613.6	579.2	543.1
75°	1046.4	1021.5	993.9	963.6	930.6	895.2	860.4	824.9	787.4	747.9	706.5
72.5°	1332.9	1294.5	1251.9	1205.2	1154.4	1109.8	1065.4	1018.1	968.3	915.9	863.7
70°	1693.3	1637.4	1575.3	1507.4	1443.3	1380.5	1313.5	1242.3	1167.2	1101.0	1038.1
67.5°	2128.4	2052.3	1967.9	1880.8	1797.3	1707.4	1611.5	1509.7	1418.6	1329.5	1236.3
65°	2659.2	2548.6	2426.2	2321.3	2209.1	2088.5	1959.9	1837.5	1717.7	1592.0	1464.7
62.5°	3304.7	3161.9	3014.9	2866.1	2704.9	2531.9	2364.2	2213.3	2054.4	1891.2	1746.3
60°	4021.3	3858.6	3684.0	3493.4	3287.3	3068.7	2866.1	2651.7	2426.2	2242.5	2052.3
57.5°	4747.8	4573.6	4376.2	4160.7	3928.0	3684.0	3427.0	3155.4	2899.7	2642.8	2385.6
55°	5439.6	5256.8	5050.7	4826.0	4580.6	4309.3	4021.3	3721.6	3412.3	3089.4	2799.5
52.5°	6052.3	5872.2	5673.8	5457.8	5201.2	4920.3	4621.2	4293.0	3949.0	3598.4	3237.3
50°	6604.9	6428.4	6234.2	6016.8	5765.3	5497.0	5187.6	4850.0	4489.9	4105.3	3711.1
47.5°	7106.1	6933.4	6743.8	6521.9	6277.2	6009.8	5704.9	5381.6	5003.7	4609.2	4184.0
45°	7566.7	7394.9	7204.1	6982.5	6745.1	6471.8	6177.2	5845.5	5488.9	5081.2	4649.2
42.5°	7976.2	7815.7	7624.6	7405.5	7165.6	6895.7	6603.5	6274.6	5916.3	5523.8	5081.2
40°	8332.9	8184.0	7996.4	7792.9	7550.5	7285.4	6987.3	6670.0	6307.2	5916.3	5488.9
37.5°	8644.5	8497.1	8322.7	8128.5	7896.7	7638.7	7343.1	7018.0	6670.0	6274.6	5845.5
35°	8918.7	8773.7	8609.4	8417.0	8204.4	7949.2	7668.3	7343.1	6987.3	6603.5	6177.2
32.5°	9154.3	9015.1	8861.8	8673.9	8464.8	8227.7	7949.2	7638.7	7285.4	6895.7	6471.8
30°	9348.7	9223.4	9074.0	8902.8	8695.6	8464.8	8204.4	7896.7	7550.5	7165.6	6745.1
27.5°	9516.2	9401.5	9257.8	9093.9	8902.8	8673.9	8417.0	8128.5	7792.9	7405.5	6982.5
25°	9657.2	9548.0	9416.8	9257.8	9074.0	8861.8	8609.4	8322.7	7996.4	7624.6	7204.1
22.5°	9773.5	9670.7	9548.0	9401.5	9223.4	9015.1	8773.7	8497.1	8184.0	7815.7	7394.9
20°	9862.8	9773.5	9657.2	9516.2	9348.7	9154.3	8918.7	8644.5	8332.9	7976.2	7566.7
17.5°	9920.2	9851.1	9748.8	9617.3	9453.8	9261.9	9036.2	8771.8	8467.2	8120.6	7720.9
15°	9958.8	9906.6	9816.6	9693.8	9541.3	9356.7	9140.6	8884.2	8581.8	8238.1	7841.1
12.5°	9968.4	9941.3	9874.0	9760.8	9614.2	9433.1	9220.0	8967.5	8671.5	8332.3	7942.0
10°	9974.0	9960.9	9907.1	9805.3	9665.8	9491.8	9283.3	9036.8	8746.1	8410.5	8025.6
7.5°	9969.8	9966.9	9928.7	9840.7	9706.9	9538.4	9333.3	9091.6	8804.9	8472.0	8091.2
5°	9966.7	9971.4	9944.6	9866.6	9736.8	9572.2	9369.5	9131.1	8847.2	8516.2	8138.4
2.5°	9964.8	9974.1	9954.2	9882.4	9755.0	9592.7	9391.5	9155.0	8872.8	8543.0	8166.9
0°	9964.1	9975.0	9957.5	9887.7	9761.1	9599.6	9398.8	9163.0	8881.4	8551.9	8176.4
-2.5°	9964.8	9974.1	9954.2	9882.4	9755.0	9592.7	9391.5	9155.0	8872.8	8543.0	8166.9
-5°	9966.7	9971.4	9944.6	9866.6	9736.8	9572.2	9369.5	9131.1	8847.2	8516.2	8138.4
-7.5°	9969.8	9966.9	9928.7	9840.7	9706.9	9538.4	9333.3	9091.6	8804.9	8472.0	8091.2
-10°	9974.0	9960.9	9907.1	9805.3	9665.8	9491.8	9283.3	9036.8	8746.1	8410.5	8025.6
-12.5°	9968.4	9941.3	9874.0	9760.8	9614.2	9433.1	9220.0	8967.5	8671.5	8332.3	7942.0
-15°	9958.8	9906.6	9816.6	9693.8	9541.3	9356.7	9140.6	8884.2	8581.8	8238.1	7841.1
-17.5°	9920.2	9851.1	9748.8	9617.3	9453.8	9261.9	9036.2	8771.8	8467.2	8120.6	7720.9
-20°	9862.8	9773.5	9657.2	9516.2	9348.7	9154.3	8918.7	8644.5	8332.9	7976.2	7566.7



REPORT NUMBER: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9773.5	9670.7	9548.0	9401.5	9223.4	9015.1	8773.7	8497.1	8184.0	7815.7	7394.9
-25°	9657.2	9548.0	9416.8	9257.8	9074.0	8861.8	8609.4	8322.7	7996.4	7624.6	7204.1
-27.5°	9516.2	9401.5	9257.8	9093.9	8902.8	8673.9	8417.0	8128.5	7792.9	7405.5	6982.5
-30°	9348.7	9223.4	9074.0	8902.8	8695.6	8464.8	8204.4	7896.7	7550.5	7165.6	6745.1
-32.5°	9154.3	9015.1	8861.8	8673.9	8464.8	8227.7	7949.2	7638.7	7285.4	6895.7	6471.8
-35°	8918.7	8773.7	8609.4	8417.0	8204.4	7949.2	7668.3	7343.1	6987.3	6603.5	6177.2
-37.5°	8644.5	8497.1	8322.7	8128.5	7896.7	7638.7	7343.1	7018.0	6670.0	6274.6	5845.5
-40°	8332.9	8184.0	7996.4	7792.9	7550.5	7285.4	6987.3	6670.0	6307.2	5916.3	5488.9
-42.5°	7976.2	7815.7	7624.6	7405.5	7165.6	6895.7	6603.5	6274.6	5916.3	5523.8	5081.2
-45°	7566.7	7394.9	7204.1	6982.5	6745.1	6471.8	6177.2	5845.5	5488.9	5081.2	4649.2
-47.5°	7106.1	6933.4	6743.8	6521.9	6277.2	6009.8	5704.9	5381.6	5003.7	4609.2	4184.0
-50°	6604.9	6428.4	6234.2	6016.8	5765.3	5497.0	5187.6	4850.0	4489.9	4105.3	3711.1
-52.5°	6052.3	5872.2	5673.8	5457.8	5201.2	4920.3	4621.2	4293.0	3949.0	3598.4	3237.3
-55°	5439.6	5256.8	5050.7	4826.0	4580.6	4309.3	4021.3	3721.6	3412.3	3089.4	2799.5
-57.5°	4747.8	4573.6	4376.2	4160.7	3928.0	3684.0	3427.0	3155.4	2899.7	2642.8	2385.6
-60°	4021.3	3858.6	3684.0	3493.4	3287.3	3068.7	2866.1	2651.7	2426.2	2242.5	2052.3
-62.5°	3304.7	3161.9	3014.9	2866.1	2704.9	2531.9	2364.2	2213.3	2054.4	1891.2	1746.3
-65°	2659.2	2548.6	2426.2	2321.3	2209.1	2088.5	1959.9	1837.5	1717.7	1592.0	1464.7
-67.5°	2128.4	2052.3	1967.9	1880.8	1797.3	1707.4	1611.5	1509.7	1418.6	1329.5	1236.3
-70°	1693.3	1637.4	1575.3	1507.4	1443.3	1380.5	1313.5	1242.3	1167.2	1101.0	1038.1
-72.5°	1332.9	1294.5	1251.9	1205.2	1154.4	1109.8	1065.4	1018.1	968.3	915.9	863.7
-75°	1046.4	1021.5	993.9	963.6	930.6	895.2	860.4	824.9	787.4	747.9	706.5
-77.5°	814.5	796.4	776.2	754.0	730.0	704.0	676.3	646.3	613.6	579.2	543.1
-80°	599.1	583.9	567.1	548.6	528.5	506.8	483.6	458.9	432.8	406.6	380.5
-82.5°	379.8	369.5	358.1	345.5	331.8	317.1	301.4	284.6	266.8	248.2	228.6
-85°	185.1	180.4	175.1	169.4	163.2	156.4	149.2	141.6	133.4	124.9	115.9
-87.5°	51.3	50.4	49.5	48.4	47.3	46.0	44.7	43.3	41.8	40.2	38.6
-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: P645518 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	36.9	35.1	33.2	31.3	29.3	27.3	25.2	23.1	20.9	18.7	16.4
85°	106.6	96.8	86.7	76.3	65.5	54.5	50.4	46.1	41.7	37.3	32.8
82.5°	208.1	191.9	176.7	161.1	144.9	128.3	111.3	93.9	76.2	58.1	49.1
80°	353.2	324.8	295.3	264.9	233.6	201.9	179.2	156.0	132.4	108.3	83.9
77.5°	505.5	466.4	425.9	387.2	348.1	307.8	266.6	224.5	188.2	158.2	127.7
75°	663.4	616.7	568.0	517.8	466.1	413.5	364.1	313.6	262.1	209.8	171.2
72.5°	813.3	761.0	706.8	650.5	590.2	528.3	464.9	401.9	342.0	281.1	219.3
70°	972.6	904.6	840.2	776.3	710.5	642.4	570.1	496.3	421.1	351.5	281.1
67.5°	1139.9	1063.3	984.1	902.5	826.4	750.6	673.1	591.1	506.7	421.1	342.0
65°	1356.7	1244.8	1132.2	1041.5	948.4	856.7	770.8	683.2	591.1	496.3	401.9
62.5°	1595.7	1448.2	1321.0	1190.0	1076.2	971.4	866.8	770.8	673.1	570.1	464.9
60°	1863.7	1693.3	1517.7	1367.0	1220.6	1087.8	971.4	856.7	750.6	642.4	528.3
57.5°	2171.2	1949.6	1752.3	1556.9	1382.4	1220.6	1076.2	948.4	826.4	710.5	590.2
55°	2500.0	2243.1	1997.3	1772.1	1556.9	1367.0	1190.0	1041.5	902.5	776.3	650.5
52.5°	2894.4	2562.8	2267.1	1997.3	1752.3	1517.7	1321.0	1132.2	984.1	840.2	706.8
50°	3311.7	2926.1	2562.8	2243.1	1949.6	1693.3	1448.2	1244.8	1063.3	904.6	761.0
47.5°	3748.8	3311.7	2894.4	2500.0	2171.2	1863.7	1595.7	1356.7	1139.9	972.6	813.3
45°	4184.0	3711.1	3237.3	2799.5	2385.6	2052.3	1746.3	1464.7	1236.3	1038.1	863.7
42.5°	4609.2	4105.3	3598.4	3089.4	2642.8	2242.5	1891.2	1592.0	1329.5	1101.0	915.9
40°	5003.7	4489.9	3949.0	3412.3	2899.7	2426.2	2054.4	1717.7	1418.6	1167.2	968.3
37.5°	5381.6	4850.0	4293.0	3721.6	3155.4	2651.7	2213.3	1837.5	1509.7	1242.3	1018.1
35°	5704.9	5187.6	4621.2	4021.3	3427.0	2866.1	2364.2	1959.9	1611.5	1313.5	1065.4
32.5°	6009.8	5497.0	4920.3	4309.3	3684.0	3068.7	2531.9	2088.5	1707.4	1380.5	1109.8
30°	6277.2	5765.3	5201.2	4580.6	3928.0	3287.3	2704.9	2209.1	1797.3	1443.3	1154.4
27.5°	6521.9	6016.8	5457.8	4826.0	4160.7	3493.4	2866.1	2321.3	1880.8	1507.4	1205.2
25°	6743.8	6234.2	5673.8	5050.7	4376.2	3684.0	3014.9	2426.2	1967.9	1575.3	1251.9
22.5°	6933.4	6428.4	5872.2	5256.8	4573.6	3858.6	3161.9	2548.6	2052.3	1637.4	1294.5
20°	7106.1	6604.9	6052.3	5439.6	4747.8	4021.3	3304.7	2659.2	2128.4	1693.3	1332.9
17.5°	7258.9	6755.6	6200.4	5587.2	4900.2	4166.3	3431.8	2757.6	2196.1	1743.0	1367.0
15°	7384.1	6880.8	6327.7	5716.4	5033.4	4293.0	3542.9	2843.4	2255.2	1786.4	1396.7
12.5°	7491.3	6988.0	6436.6	5826.8	5147.2	4401.0	3637.5	2916.5	2305.4	1823.2	1422.0
10°	7580.0	7076.5	6526.4	5917.7	5240.8	4489.9	3715.3	2976.6	2346.7	1853.5	1442.8
7.5°	7649.6	7145.8	6596.7	5988.9	5314.1	4559.4	3776.1	3023.6	2379.0	1877.2	1459.0
5°	7699.7	7195.7	6647.2	6040.0	5366.6	4609.2	3819.7	3057.2	2402.1	1894.1	1470.6
2.5°	7729.8	7225.7	6677.6	6070.7	5398.2	4639.2	3846.0	3077.5	2416.0	1904.3	1477.6
0°	7739.9	7235.7	6687.8	6081.0	5408.8	4649.2	3854.7	3084.2	2420.6	1907.7	1479.9
-2.5°	7729.8	7225.7	6677.6	6070.7	5398.2	4639.2	3846.0	3077.5	2416.0	1904.3	1477.6
-5°	7699.7	7195.7	6647.2	6040.0	5366.6	4609.2	3819.7	3057.2	2402.1	1894.1	1470.6
-7.5°	7649.6	7145.8	6596.7	5988.9	5314.1	4559.4	3776.1	3023.6	2379.0	1877.2	1459.0
-10°	7580.0	7076.5	6526.4	5917.7	5240.8	4489.9	3715.3	2976.6	2346.7	1853.5	1442.8
-12.5°	7491.3	6988.0	6436.6	5826.8	5147.2	4401.0	3637.5	2916.5	2305.4	1823.2	1422.0
-15°	7384.1	6880.8	6327.7	5716.4	5033.4	4293.0	3542.9	2843.4	2255.2	1786.4	1396.7
-17.5°	7258.9	6755.6	6200.4	5587.2	4900.2	4166.3	3431.8	2757.6	2196.1	1743.0	1367.0
-20°	7106.1	6604.9	6052.3	5439.6	4747.8	4021.3	3304.7	2659.2	2128.4	1693.3	1332.9



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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°	6933.4	6428.4	5872.2	5256.8	4573.6	3858.6	3161.9	2548.6	2052.3	1637.4	1294.5
-25°	6743.8	6234.2	5673.8	5050.7	4376.2	3684.0	3014.9	2426.2	1967.9	1575.3	1251.9
-27.5°	6521.9	6016.8	5457.8	4826.0	4160.7	3493.4	2866.1	2321.3	1880.8	1507.4	1205.2
-30°	6277.2	5765.3	5201.2	4580.6	3928.0	3287.3	2704.9	2209.1	1797.3	1443.3	1154.4
-32.5°	6009.8	5497.0	4920.3	4309.3	3684.0	3068.7	2531.9	2088.5	1707.4	1380.5	1109.8
-35°	5704.9	5187.6	4621.2	4021.3	3427.0	2866.1	2364.2	1959.9	1611.5	1313.5	1065.4
-37.5°	5381.6	4850.0	4293.0	3721.6	3155.4	2651.7	2213.3	1837.5	1509.7	1242.3	1018.1
-40°	5003.7	4489.9	3949.0	3412.3	2899.7	2426.2	2054.4	1717.7	1418.6	1167.2	968.3
-42.5°	4609.2	4105.3	3598.4	3089.4	2642.8	2242.5	1891.2	1592.0	1329.5	1101.0	915.9
-45°	4184.0	3711.1	3237.3	2799.5	2385.6	2052.3	1746.3	1464.7	1236.3	1038.1	863.7
-47.5°	3748.8	3311.7	2894.4	2500.0	2171.2	1863.7	1595.7	1356.7	1139.9	972.6	813.3
-50°	3311.7	2926.1	2562.8	2243.1	1949.6	1693.3	1448.2	1244.8	1063.3	904.6	761.0
-52.5°	2894.4	2562.8	2267.1	1997.3	1752.3	1517.7	1321.0	1132.2	984.1	840.2	706.8
-55°	2500.0	2243.1	1997.3	1772.1	1556.9	1367.0	1190.0	1041.5	902.5	776.3	650.5
-57.5°	2171.2	1949.6	1752.3	1556.9	1382.4	1220.6	1076.2	948.4	826.4	710.5	590.2
-60°	1863.7	1693.3	1517.7	1367.0	1220.6	1087.8	971.4	856.7	750.6	642.4	528.3
-62.5°	1595.7	1448.2	1321.0	1190.0	1076.2	971.4	866.8	770.8	673.1	570.1	464.9
-65°	1356.7	1244.8	1132.2	1041.5	948.4	856.7	770.8	683.2	591.1	496.3	401.9
-67.5°	1139.9	1063.3	984.1	902.5	826.4	750.6	673.1	591.1	506.7	421.1	342.0
-70°	972.6	904.6	840.2	776.3	710.5	642.4	570.1	496.3	421.1	351.5	281.1
-72.5°	813.3	761.0	706.8	650.5	590.2	528.3	464.9	401.9	342.0	281.1	219.3
-75°	663.4	616.7	568.0	517.8	466.1	413.5	364.1	313.6	262.1	209.8	171.2
-77.5°	505.5	466.4	425.9	387.2	348.1	307.8	266.6	224.5	188.2	158.2	127.7
-80°	353.2	324.8	295.3	264.9	233.6	201.9	179.2	156.0	132.4	108.3	83.9
-82.5°	208.1	191.9	176.7	161.1	144.9	128.3	111.3	93.9	76.2	58.1	49.1
-85°	106.6	96.8	86.7	76.3	65.5	54.5	50.4	46.1	41.7	37.3	32.8
-87.5°	36.9	35.1	33.2	31.3	29.3	27.3	25.2	23.1	20.9	18.7	16.4
-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°	14.1	11.8	9.5	7.1	4.8	2.4	0.0
85°	28.2	23.6	18.9	14.2	9.5	4.8	0.0
82.5°	42.3	35.4	28.4	21.3	14.2	7.1	0.0
80°	59.1	47.0	37.7	28.4	18.9	9.5	0.0
77.5°	96.8	65.6	47.0	35.4	23.6	11.8	0.0
75°	134.2	96.8	59.1	42.3	28.2	14.1	0.0
72.5°	171.2	127.7	83.9	49.1	32.8	16.4	0.0
70°	209.8	158.2	108.3	58.1	37.3	18.7	0.0
67.5°	262.1	188.2	132.4	76.2	41.7	20.9	0.0
65°	313.6	224.5	156.0	93.9	46.1	23.1	0.0
62.5°	364.1	266.6	179.2	111.3	50.4	25.2	0.0
60°	413.5	307.8	201.9	128.3	54.5	27.3	0.0
57.5°	466.1	348.1	233.6	144.9	65.5	29.3	0.0
55°	517.8	387.2	264.9	161.1	76.3	31.3	0.0
52.5°	568.0	425.9	295.3	176.7	86.7	33.2	0.0
50°	616.7	466.4	324.8	191.9	96.8	35.1	0.0
47.5°	663.4	505.5	353.2	208.1	106.6	36.9	0.0
45°	706.5	543.1	380.5	228.6	115.9	38.6	0.0
42.5°	747.9	579.2	406.6	248.2	124.9	40.2	0.0
40°	787.4	613.6	432.8	266.8	133.4	41.8	0.0
37.5°	824.9	646.3	458.9	284.6	141.6	43.3	0.0
35°	860.4	676.3	483.6	301.4	149.2	44.7	0.0
32.5°	895.2	704.0	506.8	317.1	156.4	46.0	0.0
30°	930.6	730.0	528.5	331.8	163.2	47.3	0.0
27.5°	963.6	754.0	548.6	345.5	169.4	48.4	0.0
25°	993.9	776.2	567.1	358.1	175.1	49.5	0.0
22.5°	1021.5	796.4	583.9	369.5	180.4	50.4	0.0
20°	1046.4	814.5	599.1	379.8	185.1	51.3	0.0
17.5°	1068.5	830.7	612.5	388.9	189.2	52.1	0.0
15°	1087.8	844.7	624.3	396.9	192.9	52.7	0.0
12.5°	1104.1	856.7	634.2	403.6	195.9	53.3	0.0
10°	1117.6	866.5	642.4	409.2	198.5	53.8	0.0
7.5°	1128.1	874.1	648.8	413.5	200.5	54.1	0.0
5°	1135.6	879.6	653.3	416.6	201.9	54.4	0.0
2.5°	1140.1	882.9	656.1	418.5	202.7	54.5	0.0
0°	1141.6	884.0	657.0	419.1	203.0	54.6	0.0
-2.5°	1140.1	882.9	656.1	418.5	202.7	54.5	0.0
-5°	1135.6	879.6	653.3	416.6	201.9	54.4	0.0
-7.5°	1128.1	874.1	648.8	413.5	200.5	54.1	0.0
-10°	1117.6	866.5	642.4	409.2	198.5	53.8	0.0
-12.5°	1104.1	856.7	634.2	403.6	195.9	53.3	0.0
-15°	1087.8	844.7	624.3	396.9	192.9	52.7	0.0
-17.5°	1068.5	830.7	612.5	388.9	189.2	52.1	0.0
-20°	1046.4	814.5	599.1	379.8	185.1	51.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1021.5	796.4	583.9	369.5	180.4	50.4	0.0
-25°	993.9	776.2	567.1	358.1	175.1	49.5	0.0
-27.5°	963.6	754.0	548.6	345.5	169.4	48.4	0.0
-30°	930.6	730.0	528.5	331.8	163.2	47.3	0.0
-32.5°	895.2	704.0	506.8	317.1	156.4	46.0	0.0
-35°	860.4	676.3	483.6	301.4	149.2	44.7	0.0
-37.5°	824.9	646.3	458.9	284.6	141.6	43.3	0.0
-40°	787.4	613.6	432.8	266.8	133.4	41.8	0.0
-42.5°	747.9	579.2	406.6	248.2	124.9	40.2	0.0
-45°	706.5	543.1	380.5	228.6	115.9	38.6	0.0
-47.5°	663.4	505.5	353.2	208.1	106.6	36.9	0.0
-50°	616.7	466.4	324.8	191.9	96.8	35.1	0.0
-52.5°	568.0	425.9	295.3	176.7	86.7	33.2	0.0
-55°	517.8	387.2	264.9	161.1	76.3	31.3	0.0
-57.5°	466.1	348.1	233.6	144.9	65.5	29.3	0.0
-60°	413.5	307.8	201.9	128.3	54.5	27.3	0.0
-62.5°	364.1	266.6	179.2	111.3	50.4	25.2	0.0
-65°	313.6	224.5	156.0	93.9	46.1	23.1	0.0
-67.5°	262.1	188.2	132.4	76.2	41.7	20.9	0.0
-70°	209.8	158.2	108.3	58.1	37.3	18.7	0.0
-72.5°	171.2	127.7	83.9	49.1	32.8	16.4	0.0
-75°	134.2	96.8	59.1	42.3	28.2	14.1	0.0
-77.5°	96.8	65.6	47.0	35.4	23.6	11.8	0.0
-80°	59.1	47.0	37.7	28.4	18.9	9.5	0.0
-82.5°	42.3	35.4	28.4	21.3	14.2	7.1	0.0
-85°	28.2	23.6	18.9	14.2	9.5	4.8	0.0
-87.5°	14.1	11.8	9.5	7.1	4.8	2.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)