

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: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-740-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645472 (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-SA4C-740-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

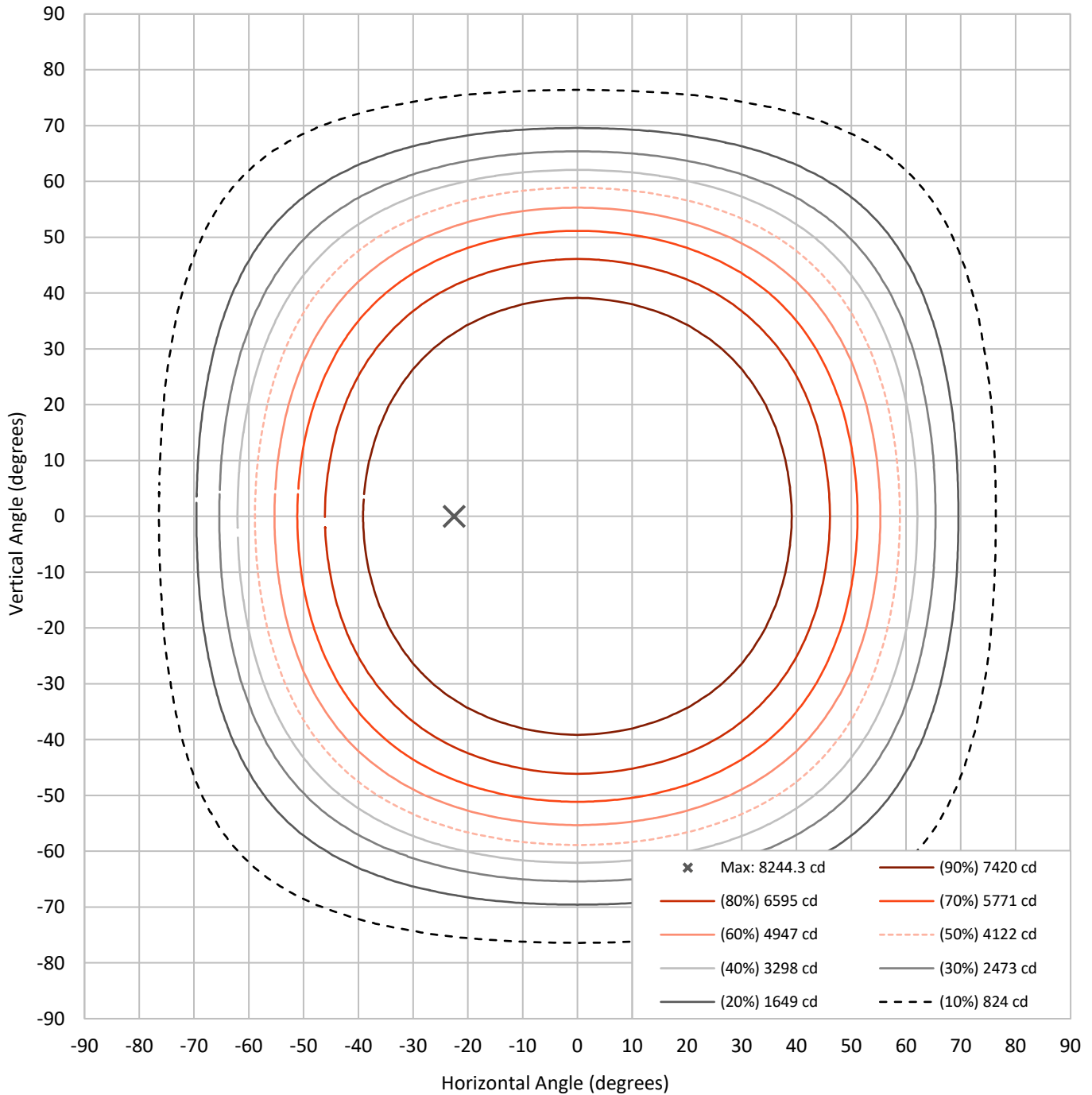
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	25219.9 lumens	Max Intensity:	8244.3 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	149.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	20988.4 lumens	Field Lumens:	24723.9 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	168.2		
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





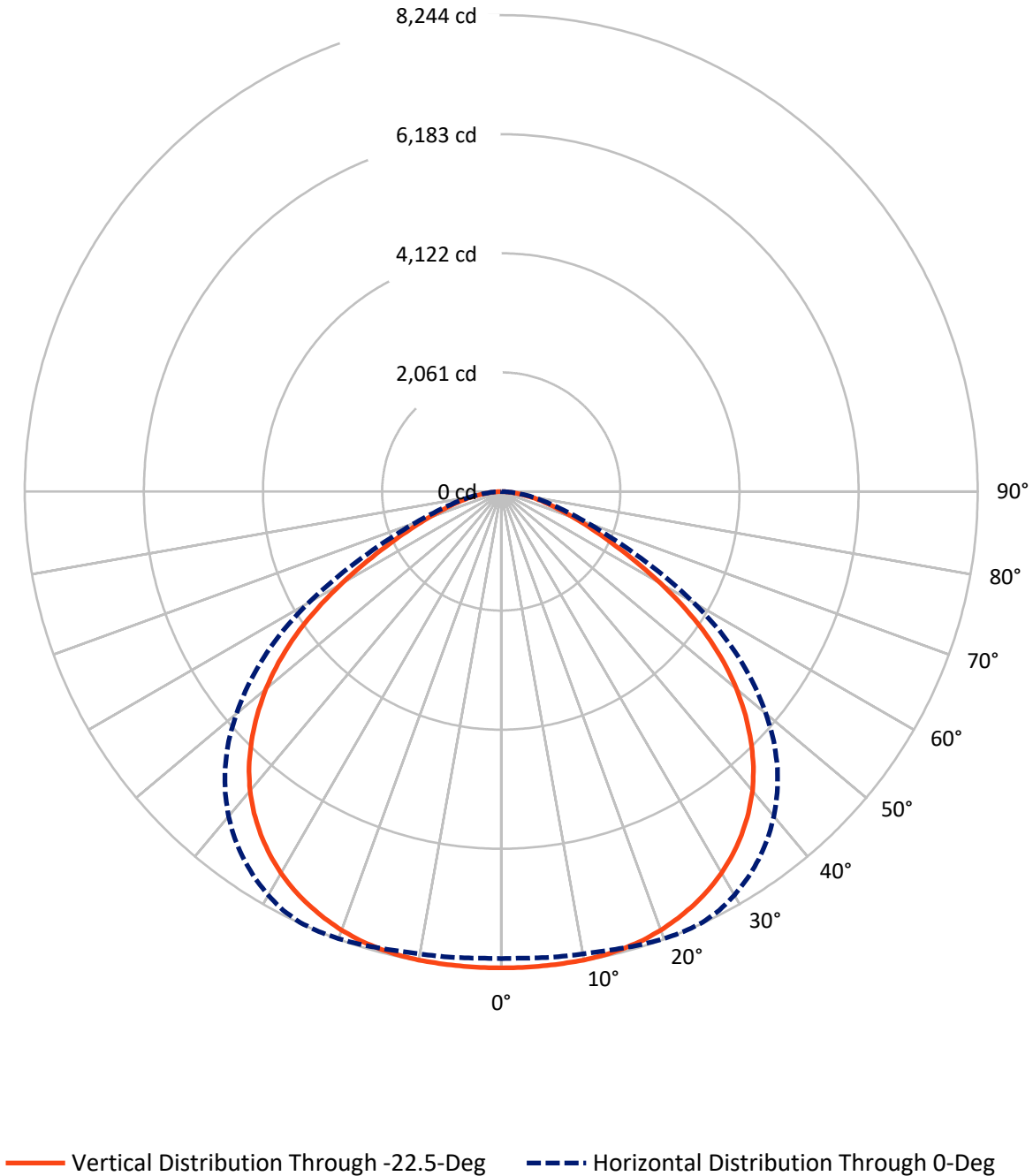
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Lumen Table

90																		
80	1.3	13.1	37.0	61.5	72.0	61.5	37.0	13.1	1.3									
70																		
60	6.2	7.3	15.3	26.8	41.4	57.2	70.7	78.2	78.2	70.7	57.2	41.4	26.8	15.3	7.3			6.2
50																		
40	11.8	11.4	26.2	50.7	82.9	114.1	137.3	149.6	149.6	137.3	114.1	82.9	50.7	26.2	11.4			11.8
30																		
20	16.1	16.3	41.3	82.4	126.3	163.1	189.1	202.4	202.4	189.1	163.1	126.3	82.4	41.3	16.3			16.1
10																		
0	17.8	21.8	58.5	109.3	157.0	195.2	220.9	233.7	233.7	220.9	195.2	157.0	109.3	58.5	21.8			17.8
-10																		
-20	16.1	27.3	72.8	127.6	176.6	213.8	237.5	248.1	248.1	237.5	213.8	176.6	127.6	72.8	27.3			16.1
-30																		
-40	11.8	31.7	82.2	138.8	187.5	222.9	241.7	248.2	248.2	241.7	222.9	187.5	138.8	82.2	31.7			11.8
-50																		
-60	6.2	34.0	86.9	144.1	192.4	225.7	240.7	245.9	245.9	240.7	225.7	192.4	144.1	86.9	34.0			6.2
-70																		
-80	1.3	34.0	86.9	144.1	192.4	225.7	240.7	245.9	245.9	240.7	225.7	192.4	144.1	86.9	34.0			1.3
-90																		

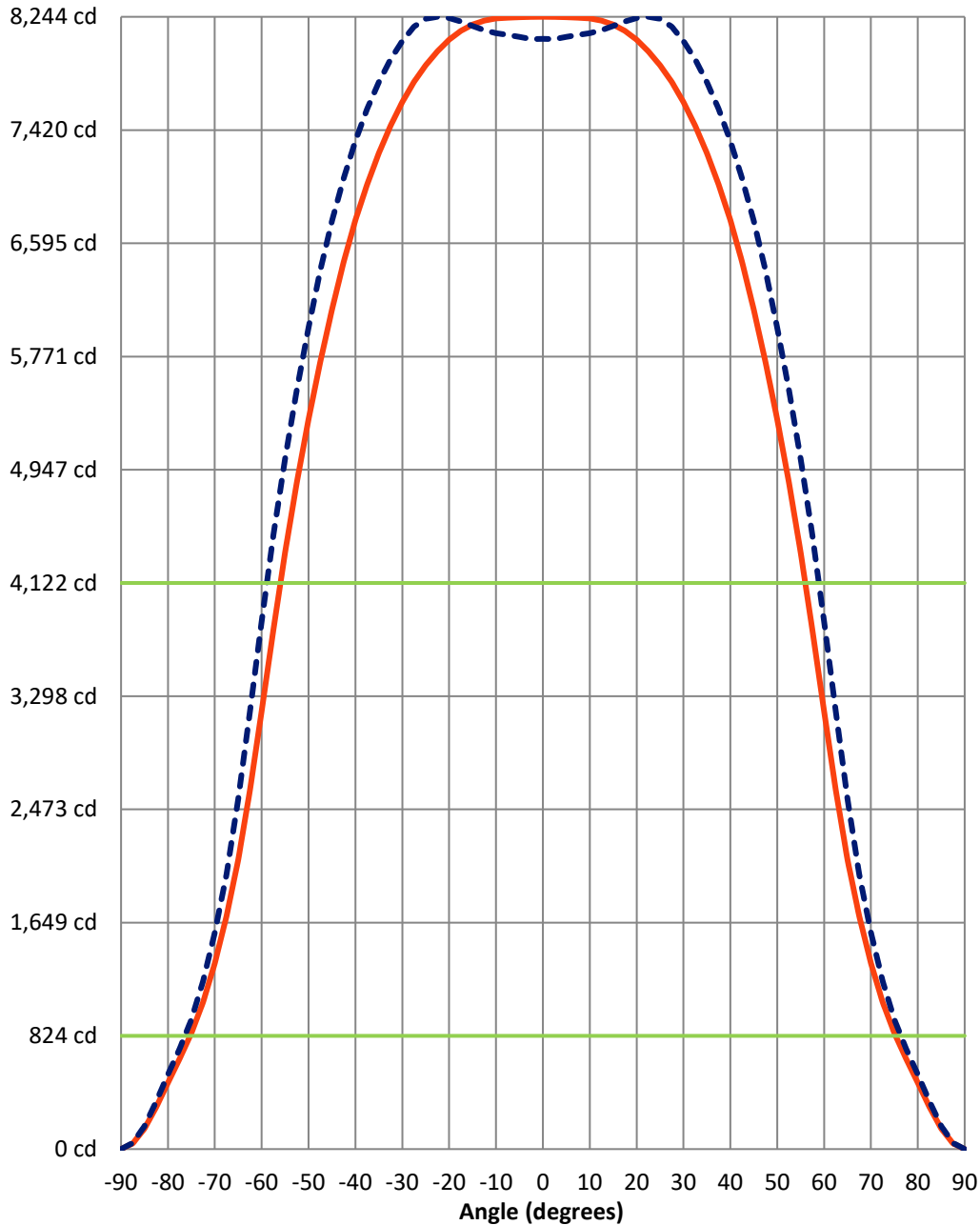
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 20988.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 24723.9
 Efficiency: 98.0%

Spill:
 Lumens: 496
 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	2.0	3.9	5.9	7.8	9.8	11.7	13.6	15.4	17.3	19.1
85°	0.0	3.9	7.9	11.8	15.6	19.5	23.3	27.1	30.8	34.5	38.1
82.5°	0.0	5.9	11.8	17.6	23.4	29.2	34.9	40.6	48.0	62.9	77.6
80°	0.0	7.8	15.6	23.4	31.2	38.9	48.8	69.3	89.5	109.4	129.0
77.5°	0.0	9.8	19.5	29.2	38.9	54.2	80.0	105.6	130.8	155.6	185.5
75°	0.0	11.7	23.3	34.9	48.8	80.0	110.9	141.5	173.4	216.7	259.2
72.5°	0.0	13.6	27.1	40.6	69.3	105.6	141.5	181.2	232.3	282.7	332.2
70°	0.0	15.4	30.8	48.0	89.5	130.8	173.4	232.3	290.5	348.0	410.2
67.5°	0.0	17.3	34.5	62.9	109.4	155.6	216.7	282.7	348.0	418.8	488.5
65°	0.0	19.1	38.1	77.6	129.0	185.5	259.2	332.2	410.2	488.5	564.7
62.5°	0.0	20.8	41.6	92.0	148.1	220.4	300.9	384.3	471.2	556.3	637.0
60°	0.0	22.5	45.1	106.1	166.9	254.4	341.8	436.6	530.9	620.4	708.0
57.5°	0.0	24.2	54.1	119.8	193.1	287.7	385.2	487.8	587.2	683.0	783.8
55°	0.0	25.9	63.0	133.1	219.0	320.1	428.0	537.6	641.6	745.9	860.8
52.5°	0.0	27.4	71.7	146.1	244.1	352.0	469.5	584.1	694.4	813.3	935.7
50°	0.0	29.0	80.0	158.6	268.4	385.5	509.7	628.9	747.6	878.8	1028.8
47.5°	0.0	30.5	88.1	172.0	291.9	417.8	548.3	672.2	803.8	942.1	1121.3
45°	0.0	31.9	95.8	188.9	314.5	448.9	583.9	713.8	858.0	1021.8	1210.5
42.5°	0.0	33.2	103.2	205.1	336.1	478.7	618.1	756.9	909.9	1098.8	1315.7
40°	0.0	34.5	110.3	220.6	357.7	507.1	650.7	800.3	964.6	1172.4	1419.6
37.5°	0.0	35.8	117.0	235.2	379.3	534.1	681.8	841.5	1026.7	1247.7	1518.7
35°	0.0	36.9	123.3	249.1	399.7	558.9	711.1	880.5	1085.6	1331.8	1619.8
32.5°	0.0	38.0	129.3	262.1	418.9	581.9	739.8	917.2	1141.0	1411.1	1726.1
30°	0.0	39.1	134.9	274.3	436.8	603.3	769.1	954.1	1192.8	1485.4	1825.8
27.5°	0.0	40.0	140.0	285.6	453.4	623.2	796.3	996.0	1245.8	1554.5	1918.5
25°	0.0	40.9	144.8	296.0	468.7	641.5	821.4	1034.6	1302.0	1626.5	2005.2
22.5°	0.0	41.7	149.1	305.4	482.6	658.2	844.2	1069.9	1353.3	1696.2	2106.4
20°	0.0	42.4	153.0	313.9	495.1	673.2	864.8	1101.6	1399.5	1759.1	2197.8
17.5°	0.0	43.0	156.4	321.5	506.3	686.5	883.1	1129.8	1440.6	1815.1	2279.1
15°	0.0	43.6	159.4	328.0	515.9	698.1	899.0	1154.4	1476.4	1863.9	2350.1
12.5°	0.0	44.0	162.0	333.6	524.2	708.0	912.5	1175.3	1506.9	1905.4	2410.5
10°	0.0	44.4	164.1	338.2	530.9	716.1	923.6	1192.4	1531.9	1939.5	2460.2
7.5°	0.0	44.7	165.7	341.8	536.2	722.4	932.3	1205.8	1551.5	1966.2	2499.0
5°	0.0	44.9	166.9	344.3	540.0	727.0	938.5	1215.4	1565.5	1985.3	2526.8
2.5°	0.0	45.1	167.6	345.9	542.2	729.7	942.3	1221.2	1573.9	1996.8	2543.5
0°	0.0	45.1	167.8	346.4	543.0	730.6	943.5	1223.1	1576.7	2000.6	2549.1
-2.5°	0.0	45.1	167.6	345.9	542.2	729.7	942.3	1221.2	1573.9	1996.8	2543.5
-5°	0.0	44.9	166.9	344.3	540.0	727.0	938.5	1215.4	1565.5	1985.3	2526.8
-7.5°	0.0	44.7	165.7	341.8	536.2	722.4	932.3	1205.8	1551.5	1966.2	2499.0
-10°	0.0	44.4	164.1	338.2	530.9	716.1	923.6	1192.4	1531.9	1939.5	2460.2
-12.5°	0.0	44.0	162.0	333.6	524.2	708.0	912.5	1175.3	1506.9	1905.4	2410.5
-15°	0.0	43.6	159.4	328.0	515.9	698.1	899.0	1154.4	1476.4	1863.9	2350.1
-17.5°	0.0	43.0	156.4	321.5	506.3	686.5	883.1	1129.8	1440.6	1815.1	2279.1
-20°	0.0	42.4	153.0	313.9	495.1	673.2	864.8	1101.6	1399.5	1759.1	2197.8

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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	41.7	149.1	305.4	482.6	658.2	844.2	1069.9	1353.3	1696.2	2106.4
-25°	0.0	40.9	144.8	296.0	468.7	641.5	821.4	1034.6	1302.0	1626.5	2005.2
-27.5°	0.0	40.0	140.0	285.6	453.4	623.2	796.3	996.0	1245.8	1554.5	1918.5
-30°	0.0	39.1	134.9	274.3	436.8	603.3	769.1	954.1	1192.8	1485.4	1825.8
-32.5°	0.0	38.0	129.3	262.1	418.9	581.9	739.8	917.2	1141.0	1411.1	1726.1
-35°	0.0	36.9	123.3	249.1	399.7	558.9	711.1	880.5	1085.6	1331.8	1619.8
-37.5°	0.0	35.8	117.0	235.2	379.3	534.1	681.8	841.5	1026.7	1247.7	1518.7
-40°	0.0	34.5	110.3	220.6	357.7	507.1	650.7	800.3	964.6	1172.4	1419.6
-42.5°	0.0	33.2	103.2	205.1	336.1	478.7	618.1	756.9	909.9	1098.8	1315.7
-45°	0.0	31.9	95.8	188.9	314.5	448.9	583.9	713.8	858.0	1021.8	1210.5
-47.5°	0.0	30.5	88.1	172.0	291.9	417.8	548.3	672.2	803.8	942.1	1121.3
-50°	0.0	29.0	80.0	158.6	268.4	385.5	509.7	628.9	747.6	878.8	1028.8
-52.5°	0.0	27.4	71.7	146.1	244.1	352.0	469.5	584.1	694.4	813.3	935.7
-55°	0.0	25.9	63.0	133.1	219.0	320.1	428.0	537.6	641.6	745.9	860.8
-57.5°	0.0	24.2	54.1	119.8	193.1	287.7	385.2	487.8	587.2	683.0	783.8
-60°	0.0	22.5	45.1	106.1	166.9	254.4	341.8	436.6	530.9	620.4	708.0
-62.5°	0.0	20.8	41.6	92.0	148.1	220.4	300.9	384.3	471.2	556.3	637.0
-65°	0.0	19.1	38.1	77.6	129.0	185.5	259.2	332.2	410.2	488.5	564.7
-67.5°	0.0	17.3	34.5	62.9	109.4	155.6	216.7	282.7	348.0	418.8	488.5
-70°	0.0	15.4	30.8	48.0	89.5	130.8	173.4	232.3	290.5	348.0	410.2
-72.5°	0.0	13.6	27.1	40.6	69.3	105.6	141.5	181.2	232.3	282.7	332.2
-75°	0.0	11.7	23.3	34.9	48.8	80.0	110.9	141.5	173.4	216.7	259.2
-77.5°	0.0	9.8	19.5	29.2	38.9	54.2	80.0	105.6	130.8	155.6	185.5
-80°	0.0	7.8	15.6	23.4	31.2	38.9	48.8	69.3	89.5	109.4	129.0
-82.5°	0.0	5.9	11.8	17.6	23.4	29.2	34.9	40.6	48.0	62.9	77.6
-85°	0.0	3.9	7.9	11.8	15.6	19.5	23.3	27.1	30.8	34.5	38.1
-87.5°	0.0	2.0	3.9	5.9	7.8	9.8	11.7	13.6	15.4	17.3	19.1
-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°	20.8	22.5	24.2	25.9	27.4	29.0	30.5	31.9	33.2	34.5	35.8
85°	41.6	45.1	54.1	63.0	71.7	80.0	88.1	95.8	103.2	110.3	117.0
82.5°	92.0	106.1	119.8	133.1	146.1	158.6	172.0	188.9	205.1	220.6	235.2
80°	148.1	166.9	193.1	219.0	244.1	268.4	291.9	314.5	336.1	357.7	379.3
77.5°	220.4	254.4	287.7	320.1	352.0	385.5	417.8	448.9	478.7	507.1	534.1
75°	300.9	341.8	385.2	428.0	469.5	509.7	548.3	583.9	618.1	650.7	681.8
72.5°	384.3	436.6	487.8	537.6	584.1	628.9	672.2	713.8	756.9	800.3	841.5
70°	471.2	530.9	587.2	641.6	694.4	747.6	803.8	858.0	909.9	964.6	1026.7
67.5°	556.3	620.4	683.0	745.9	813.3	878.8	942.1	1021.8	1098.8	1172.4	1247.7
65°	637.0	708.0	783.8	860.8	935.7	1028.8	1121.3	1210.5	1315.7	1419.6	1518.7
62.5°	716.4	802.9	889.4	983.5	1091.7	1196.9	1318.8	1443.3	1563.0	1697.9	1829.3
60°	802.9	899.0	1008.8	1129.8	1254.3	1399.5	1540.3	1696.2	1853.4	2005.2	2191.6
57.5°	889.4	1008.8	1142.5	1286.7	1448.3	1611.4	1794.4	1971.6	2184.2	2396.6	2607.9
55°	983.5	1129.8	1286.7	1464.6	1650.7	1853.9	2066.2	2313.8	2553.4	2820.3	3075.9
52.5°	1091.7	1254.3	1448.3	1650.7	1873.8	2118.1	2392.2	2675.6	2974.1	3263.9	3548.1
50°	1196.9	1399.5	1611.4	1853.9	2118.1	2418.4	2737.2	3067.2	3393.0	3710.8	4008.5
47.5°	1318.8	1540.3	1794.4	2066.2	2392.2	2737.2	3098.4	3458.1	3809.5	4135.5	4447.8
45°	1443.3	1696.2	1971.6	2313.8	2675.6	3067.2	3458.1	3842.5	4199.5	4536.5	4831.3
42.5°	1563.0	1853.4	2184.2	2553.4	2974.1	3393.0	3809.5	4199.5	4565.3	4889.9	5186.0
40°	1697.9	2005.2	2396.6	2820.3	3263.9	3710.8	4135.5	4536.5	4889.9	5213.0	5512.8
37.5°	1829.3	2191.6	2607.9	3075.9	3548.1	4008.5	4447.8	4831.3	5186.0	5512.8	5800.4
35°	1953.9	2368.8	2832.4	3323.6	3819.4	4287.5	4715.1	5105.5	5457.8	5775.0	6069.0
32.5°	2092.6	2536.3	3044.8	3561.6	4066.5	4543.2	4967.2	5349.0	5699.3	6021.4	6313.4
30°	2235.6	2716.9	3246.5	3785.8	4298.7	4765.0	5188.2	5574.8	5922.4	6240.4	6526.6
27.5°	2368.8	2887.3	3438.8	3988.6	4510.8	4973.0	5390.4	5771.0	6120.6	6440.8	6718.2
25°	2491.9	3044.8	3616.9	4174.3	4689.3	5152.6	5573.8	5954.2	6301.7	6609.0	6878.7
22.5°	2613.3	3189.1	3780.0	4344.7	4853.4	5313.1	5730.5	6111.9	6459.6	6764.1	7022.8
20°	2731.3	3323.6	3924.0	4495.8	5002.3	5459.0	5873.2	6253.8	6592.3	6887.1	7144.7
17.5°	2836.4	3443.4	4049.9	4617.8	5124.7	5583.5	5999.4	6381.3	6711.7	6998.1	7249.9
15°	2928.2	3548.1	4160.1	4724.6	5229.9	5687.0	6102.9	6480.6	6808.8	7092.8	7342.8
12.5°	3006.4	3637.4	4254.1	4815.8	5319.9	5775.6	6191.6	6564.0	6886.6	7167.0	7411.6
10°	3070.7	3710.8	4331.5	4891.0	5394.1	5848.7	6264.9	6633.1	6951.2	7228.7	7468.9
7.5°	3121.0	3768.3	4392.0	4949.9	5452.2	5906.0	6322.4	6687.4	7002.0	7277.2	7514.2
5°	3157.0	3809.5	4435.4	4992.1	5494.0	5947.2	6363.8	6726.4	7038.6	7312.3	7546.8
2.5°	3178.7	3834.2	4461.6	5017.5	5519.1	5972.0	6388.7	6749.9	7060.7	7333.4	7566.6
0°	3185.9	3842.5	4470.3	5026.0	5527.5	5980.3	6397.0	6757.8	7068.1	7340.5	7573.2
-2.5°	3178.7	3834.2	4461.6	5017.5	5519.1	5972.0	6388.7	6749.9	7060.7	7333.4	7566.6
-5°	3157.0	3809.5	4435.4	4992.1	5494.0	5947.2	6363.8	6726.4	7038.6	7312.3	7546.8
-7.5°	3121.0	3768.3	4392.0	4949.9	5452.2	5906.0	6322.4	6687.4	7002.0	7277.2	7514.2
-10°	3070.7	3710.8	4331.5	4891.0	5394.1	5848.7	6264.9	6633.1	6951.2	7228.7	7468.9
-12.5°	3006.4	3637.4	4254.1	4815.8	5319.9	5775.6	6191.6	6564.0	6886.6	7167.0	7411.6
-15°	2928.2	3548.1	4160.1	4724.6	5229.9	5687.0	6102.9	6480.6	6808.8	7092.8	7342.8
-17.5°	2836.4	3443.4	4049.9	4617.8	5124.7	5583.5	5999.4	6381.3	6711.7	6998.1	7249.9
-20°	2731.3	3323.6	3924.0	4495.8	5002.3	5459.0	5873.2	6253.8	6592.3	6887.1	7144.7



REPORT NUMBER: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-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°	2613.3	3189.1	3780.0	4344.7	4853.4	5313.1	5730.5	6111.9	6459.6	6764.1	7022.8
-25°	2491.9	3044.8	3616.9	4174.3	4689.3	5152.6	5573.8	5954.2	6301.7	6609.0	6878.7
-27.5°	2368.8	2887.3	3438.8	3988.6	4510.8	4973.0	5390.4	5771.0	6120.6	6440.8	6718.2
-30°	2235.6	2716.9	3246.5	3785.8	4298.7	4765.0	5188.2	5574.8	5922.4	6240.4	6526.6
-32.5°	2092.6	2536.3	3044.8	3561.6	4066.5	4543.2	4967.2	5349.0	5699.3	6021.4	6313.4
-35°	1953.9	2368.8	2832.4	3323.6	3819.4	4287.5	4715.1	5105.5	5457.8	5775.0	6069.0
-37.5°	1829.3	2191.6	2607.9	3075.9	3548.1	4008.5	4447.8	4831.3	5186.0	5512.8	5800.4
-40°	1697.9	2005.2	2396.6	2820.3	3263.9	3710.8	4135.5	4536.5	4889.9	5213.0	5512.8
-42.5°	1563.0	1853.4	2184.2	2553.4	2974.1	3393.0	3809.5	4199.5	4565.3	4889.9	5186.0
-45°	1443.3	1696.2	1971.6	2313.8	2675.6	3067.2	3458.1	3842.5	4199.5	4536.5	4831.3
-47.5°	1318.8	1540.3	1794.4	2066.2	2392.2	2737.2	3098.4	3458.1	3809.5	4135.5	4447.8
-50°	1196.9	1399.5	1611.4	1853.9	2118.1	2418.4	2737.2	3067.2	3393.0	3710.8	4008.5
-52.5°	1091.7	1254.3	1448.3	1650.7	1873.8	2118.1	2392.2	2675.6	2974.1	3263.9	3548.1
-55°	983.5	1129.8	1286.7	1464.6	1650.7	1853.9	2066.2	2313.8	2553.4	2820.3	3075.9
-57.5°	889.4	1008.8	1142.5	1286.7	1448.3	1611.4	1794.4	1971.6	2184.2	2396.6	2607.9
-60°	802.9	899.0	1008.8	1129.8	1254.3	1399.5	1540.3	1696.2	1853.4	2005.2	2191.6
-62.5°	716.4	802.9	889.4	983.5	1091.7	1196.9	1318.8	1443.3	1563.0	1697.9	1829.3
-65°	637.0	708.0	783.8	860.8	935.7	1028.8	1121.3	1210.5	1315.7	1419.6	1518.7
-67.5°	556.3	620.4	683.0	745.9	813.3	878.8	942.1	1021.8	1098.8	1172.4	1247.7
-70°	471.2	530.9	587.2	641.6	694.4	747.6	803.8	858.0	909.9	964.6	1026.7
-72.5°	384.3	436.6	487.8	537.6	584.1	628.9	672.2	713.8	756.9	800.3	841.5
-75°	300.9	341.8	385.2	428.0	469.5	509.7	548.3	583.9	618.1	650.7	681.8
-77.5°	220.4	254.4	287.7	320.1	352.0	385.5	417.8	448.9	478.7	507.1	534.1
-80°	148.1	166.9	193.1	219.0	244.1	268.4	291.9	314.5	336.1	357.7	379.3
-82.5°	92.0	106.1	119.8	133.1	146.1	158.6	172.0	188.9	205.1	220.6	235.2
-85°	41.6	45.1	54.1	63.0	71.7	80.0	88.1	95.8	103.2	110.3	117.0
-87.5°	20.8	22.5	24.2	25.9	27.4	29.0	30.5	31.9	33.2	34.5	35.8
-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: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-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°	36.9	38.0	39.1	40.0	40.9	41.7	42.4	43.0	43.6	44.0	44.4
85°	123.3	129.3	134.9	140.0	144.8	149.1	153.0	156.4	159.4	162.0	164.1
82.5°	249.1	262.1	274.3	285.6	296.0	305.4	313.9	321.5	328.0	333.6	338.2
80°	399.7	418.9	436.8	453.4	468.7	482.6	495.1	506.3	515.9	524.2	530.9
77.5°	558.9	581.9	603.3	623.2	641.5	658.2	673.2	686.5	698.1	708.0	716.1
75°	711.1	739.8	769.1	796.3	821.4	844.2	864.8	883.1	899.0	912.5	923.6
72.5°	880.5	917.2	954.1	996.0	1034.6	1069.9	1101.6	1129.8	1154.4	1175.3	1192.4
70°	1085.6	1141.0	1192.8	1245.8	1302.0	1353.3	1399.5	1440.6	1476.4	1506.9	1531.9
67.5°	1331.8	1411.1	1485.4	1554.5	1626.5	1696.2	1759.1	1815.1	1863.9	1905.4	1939.5
65°	1619.8	1726.1	1825.8	1918.5	2005.2	2106.4	2197.8	2279.1	2350.1	2410.5	2460.2
62.5°	1953.9	2092.6	2235.6	2368.8	2491.9	2613.3	2731.3	2836.4	2928.2	3006.4	3070.7
60°	2368.8	2536.3	2716.9	2887.3	3044.8	3189.1	3323.6	3443.4	3548.1	3637.4	3710.8
57.5°	2832.4	3044.8	3246.5	3438.8	3616.9	3780.0	3924.0	4049.9	4160.1	4254.1	4331.5
55°	3323.6	3561.6	3785.8	3988.6	4174.3	4344.7	4495.8	4617.8	4724.6	4815.8	4891.0
52.5°	3819.4	4066.5	4298.7	4510.8	4689.3	4853.4	5002.3	5124.7	5229.9	5319.9	5394.1
50°	4287.5	4543.2	4765.0	4973.0	5152.6	5313.1	5459.0	5583.5	5687.0	5775.6	5848.7
47.5°	4715.1	4967.2	5188.2	5390.4	5573.8	5730.5	5873.2	5999.4	6102.9	6191.6	6264.9
45°	5105.5	5349.0	5574.8	5771.0	5954.2	6111.9	6253.8	6381.3	6480.6	6564.0	6633.1
42.5°	5457.8	5699.3	5922.4	6120.6	6301.7	6459.6	6592.3	6711.7	6808.8	6886.6	6951.2
40°	5775.0	6021.4	6240.4	6440.8	6609.0	6764.1	6887.1	6998.1	7092.8	7167.0	7228.7
37.5°	6069.0	6313.4	6526.6	6718.2	6878.7	7022.8	7144.7	7249.9	7342.8	7411.6	7468.9
35°	6337.8	6570.0	6781.0	6956.6	7115.7	7251.4	7371.4	7468.4	7554.7	7620.3	7672.6
32.5°	6570.0	6800.2	6996.1	7169.0	7324.3	7451.0	7566.0	7654.9	7733.3	7796.4	7845.0
30°	6781.0	6996.1	7186.9	7358.2	7499.7	7623.1	7726.7	7813.5	7885.8	7946.0	7988.7
27.5°	6956.6	7169.0	7358.2	7516.1	7651.5	7770.3	7865.1	7948.7	8011.8	8067.3	8104.0
25°	7115.7	7324.3	7499.7	7651.5	7783.0	7891.4	7981.6	8057.3	8113.4	8160.9	8188.2
22.5°	7251.4	7451.0	7623.1	7770.3	7891.4	7992.8	8077.8	8142.0	8187.8	8216.5	8232.7
20°	7371.4	7566.0	7726.7	7865.1	7981.6	8077.8	8151.6	8199.0	8231.0	8238.8	8243.5
17.5°	7468.4	7654.9	7813.5	7948.7	8057.3	8142.0	8199.0	8232.5	8242.0	8240.3	8235.6
15°	7554.7	7733.3	7885.8	8011.8	8113.4	8187.8	8231.0	8242.0	8239.2	8229.6	8214.7
12.5°	7620.3	7796.4	7946.0	8067.3	8160.9	8216.5	8238.8	8240.3	8229.6	8211.1	8190.0
10°	7672.6	7845.0	7988.7	8104.0	8188.2	8232.7	8243.5	8235.6	8214.7	8190.0	8166.6
7.5°	7714.0	7883.5	8022.7	8133.4	8206.1	8237.6	8240.0	8225.1	8200.0	8172.0	8146.7
5°	7743.9	7911.4	8047.4	8154.8	8219.2	8241.3	8237.4	8216.9	8187.9	8158.5	8135.3
2.5°	7762.0	7928.3	8062.5	8167.8	8227.2	8243.5	8235.8	8211.7	8180.2	8149.9	8127.8
0°	7768.1	7934.0	8067.5	8172.2	8229.9	8244.3	8235.3	8210.0	8177.6	8146.9	8125.2
-2.5°	7762.0	7928.3	8062.5	8167.8	8227.2	8243.5	8235.8	8211.7	8180.2	8149.9	8127.8
-5°	7743.9	7911.4	8047.4	8154.8	8219.2	8241.3	8237.4	8216.9	8187.9	8158.5	8135.3
-7.5°	7714.0	7883.5	8022.7	8133.4	8206.1	8237.6	8240.0	8225.1	8200.0	8172.0	8146.7
-10°	7672.6	7845.0	7988.7	8104.0	8188.2	8232.7	8243.5	8235.6	8214.7	8190.0	8166.6
-12.5°	7620.3	7796.4	7946.0	8067.3	8160.9	8216.5	8238.8	8240.3	8229.6	8211.1	8190.0
-15°	7554.7	7733.3	7885.8	8011.8	8113.4	8187.8	8231.0	8242.0	8239.2	8229.6	8214.7
-17.5°	7468.4	7654.9	7813.5	7948.7	8057.3	8142.0	8199.0	8232.5	8242.0	8240.3	8235.6
-20°	7371.4	7566.0	7726.7	7865.1	7981.6	8077.8	8151.6	8199.0	8231.0	8238.8	8243.5



REPORT NUMBER: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7251.4	7451.0	7623.1	7770.3	7891.4	7992.8	8077.8	8142.0	8187.8	8216.5	8232.7
-25°	7115.7	7324.3	7499.7	7651.5	7783.0	7891.4	7981.6	8057.3	8113.4	8160.9	8188.2
-27.5°	6956.6	7169.0	7358.2	7516.1	7651.5	7770.3	7865.1	7948.7	8011.8	8067.3	8104.0
-30°	6781.0	6996.1	7186.9	7358.2	7499.7	7623.1	7726.7	7813.5	7885.8	7946.0	7988.7
-32.5°	6570.0	6800.2	6996.1	7169.0	7324.3	7451.0	7566.0	7654.9	7733.3	7796.4	7845.0
-35°	6337.8	6570.0	6781.0	6956.6	7115.7	7251.4	7371.4	7468.4	7554.7	7620.3	7672.6
-37.5°	6069.0	6313.4	6526.6	6718.2	6878.7	7022.8	7144.7	7249.9	7342.8	7411.6	7468.9
-40°	5775.0	6021.4	6240.4	6440.8	6609.0	6764.1	6887.1	6998.1	7092.8	7167.0	7228.7
-42.5°	5457.8	5699.3	5922.4	6120.6	6301.7	6459.6	6592.3	6711.7	6808.8	6886.6	6951.2
-45°	5105.5	5349.0	5574.8	5771.0	5954.2	6111.9	6253.8	6381.3	6480.6	6564.0	6633.1
-47.5°	4715.1	4967.2	5188.2	5390.4	5573.8	5730.5	5873.2	5999.4	6102.9	6191.6	6264.9
-50°	4287.5	4543.2	4765.0	4973.0	5152.6	5313.1	5459.0	5583.5	5687.0	5775.6	5848.7
-52.5°	3819.4	4066.5	4298.7	4510.8	4689.3	4853.4	5002.3	5124.7	5229.9	5319.9	5394.1
-55°	3323.6	3561.6	3785.8	3988.6	4174.3	4344.7	4495.8	4617.8	4724.6	4815.8	4891.0
-57.5°	2832.4	3044.8	3246.5	3438.8	3616.9	3780.0	3924.0	4049.9	4160.1	4254.1	4331.5
-60°	2368.8	2536.3	2716.9	2887.3	3044.8	3189.1	3323.6	3443.4	3548.1	3637.4	3710.8
-62.5°	1953.9	2092.6	2235.6	2368.8	2491.9	2613.3	2731.3	2836.4	2928.2	3006.4	3070.7
-65°	1619.8	1726.1	1825.8	1918.5	2005.2	2106.4	2197.8	2279.1	2350.1	2410.5	2460.2
-67.5°	1331.8	1411.1	1485.4	1554.5	1626.5	1696.2	1759.1	1815.1	1863.9	1905.4	1939.5
-70°	1085.6	1141.0	1192.8	1245.8	1302.0	1353.3	1399.5	1440.6	1476.4	1506.9	1531.9
-72.5°	880.5	917.2	954.1	996.0	1034.6	1069.9	1101.6	1129.8	1154.4	1175.3	1192.4
-75°	711.1	739.8	769.1	796.3	821.4	844.2	864.8	883.1	899.0	912.5	923.6
-77.5°	558.9	581.9	603.3	623.2	641.5	658.2	673.2	686.5	698.1	708.0	716.1
-80°	399.7	418.9	436.8	453.4	468.7	482.6	495.1	506.3	515.9	524.2	530.9
-82.5°	249.1	262.1	274.3	285.6	296.0	305.4	313.9	321.5	328.0	333.6	338.2
-85°	123.3	129.3	134.9	140.0	144.8	149.1	153.0	156.4	159.4	162.0	164.1
-87.5°	36.9	38.0	39.1	40.0	40.9	41.7	42.4	43.0	43.6	44.0	44.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-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°	44.7	44.9	45.1	45.1	45.1	44.9	44.7	44.4	44.0	43.6	43.0
85°	165.7	166.9	167.6	167.8	167.6	166.9	165.7	164.1	162.0	159.4	156.4
82.5°	341.8	344.3	345.9	346.4	345.9	344.3	341.8	338.2	333.6	328.0	321.5
80°	536.2	540.0	542.2	543.0	542.2	540.0	536.2	530.9	524.2	515.9	506.3
77.5°	722.4	727.0	729.7	730.6	729.7	727.0	722.4	716.1	708.0	698.1	686.5
75°	932.3	938.5	942.3	943.5	942.3	938.5	932.3	923.6	912.5	899.0	883.1
72.5°	1205.8	1215.4	1221.2	1223.1	1221.2	1215.4	1205.8	1192.4	1175.3	1154.4	1129.8
70°	1551.5	1565.5	1573.9	1576.7	1573.9	1565.5	1551.5	1531.9	1506.9	1476.4	1440.6
67.5°	1966.2	1985.3	1996.8	2000.6	1996.8	1985.3	1966.2	1939.5	1905.4	1863.9	1815.1
65°	2499.0	2526.8	2543.5	2549.1	2543.5	2526.8	2499.0	2460.2	2410.5	2350.1	2279.1
62.5°	3121.0	3157.0	3178.7	3185.9	3178.7	3157.0	3121.0	3070.7	3006.4	2928.2	2836.4
60°	3768.3	3809.5	3834.2	3842.5	3834.2	3809.5	3768.3	3710.8	3637.4	3548.1	3443.4
57.5°	4392.0	4435.4	4461.6	4470.3	4461.6	4435.4	4392.0	4331.5	4254.1	4160.1	4049.9
55°	4949.9	4992.1	5017.5	5026.0	5017.5	4992.1	4949.9	4891.0	4815.8	4724.6	4617.8
52.5°	5452.2	5494.0	5519.1	5527.5	5519.1	5494.0	5452.2	5394.1	5319.9	5229.9	5124.7
50°	5906.0	5947.2	5972.0	5980.3	5972.0	5947.2	5906.0	5848.7	5775.6	5687.0	5583.5
47.5°	6322.4	6363.8	6388.7	6397.0	6388.7	6363.8	6322.4	6264.9	6191.6	6102.9	5999.4
45°	6687.4	6726.4	6749.9	6757.8	6749.9	6726.4	6687.4	6633.1	6564.0	6480.6	6381.3
42.5°	7002.0	7038.6	7060.7	7068.1	7060.7	7038.6	7002.0	6951.2	6886.6	6808.8	6711.7
40°	7277.2	7312.3	7333.4	7340.5	7333.4	7312.3	7277.2	7228.7	7167.0	7092.8	6998.1
37.5°	7514.2	7546.8	7566.6	7573.2	7566.6	7546.8	7514.2	7468.9	7411.6	7342.8	7249.9
35°	7714.0	7743.9	7762.0	7768.1	7762.0	7743.9	7714.0	7672.6	7620.3	7554.7	7468.4
32.5°	7883.5	7911.4	7928.3	7934.0	7928.3	7911.4	7883.5	7845.0	7796.4	7733.3	7654.9
30°	8022.7	8047.4	8062.5	8067.5	8062.5	8047.4	8022.7	7988.7	7946.0	7885.8	7813.5
27.5°	8133.4	8154.8	8167.8	8172.2	8167.8	8154.8	8133.4	8104.0	8067.3	8011.8	7948.7
25°	8206.1	8219.2	8227.2	8229.9	8227.2	8219.2	8206.1	8188.2	8160.9	8113.4	8057.3
22.5°	8237.6	8241.3	8243.5	8244.3	8243.5	8241.3	8237.6	8232.7	8216.5	8187.8	8142.0
20°	8240.0	8237.4	8235.8	8235.3	8235.8	8237.4	8240.0	8243.5	8238.8	8231.0	8199.0
17.5°	8225.1	8216.9	8211.7	8210.0	8211.7	8216.9	8225.1	8235.6	8240.3	8242.0	8232.5
15°	8200.0	8187.9	8180.2	8177.6	8180.2	8187.9	8200.0	8214.7	8229.6	8239.2	8242.0
12.5°	8172.0	8158.5	8149.9	8146.9	8149.9	8158.5	8172.0	8190.0	8211.1	8229.6	8240.3
10°	8146.7	8135.3	8127.8	8125.2	8127.8	8135.3	8146.7	8166.6	8190.0	8214.7	8235.6
7.5°	8130.3	8120.2	8114.6	8112.6	8114.6	8120.2	8130.3	8146.7	8172.0	8200.0	8225.1
5°	8120.2	8110.1	8101.6	8098.2	8101.6	8110.1	8120.2	8135.3	8158.5	8187.9	8216.9
2.5°	8114.6	8101.6	8088.7	8082.0	8088.7	8101.6	8114.6	8127.8	8149.9	8180.2	8211.7
0°	8112.6	8098.2	8082.0	8083.8	8082.0	8098.2	8112.6	8125.2	8146.9	8177.6	8210.0
-2.5°	8114.6	8101.6	8088.7	8082.0	8088.7	8101.6	8114.6	8127.8	8149.9	8180.2	8211.7
-5°	8120.2	8110.1	8101.6	8098.2	8101.6	8110.1	8120.2	8135.3	8158.5	8187.9	8216.9
-7.5°	8130.3	8120.2	8114.6	8112.6	8114.6	8120.2	8130.3	8146.7	8172.0	8200.0	8225.1
-10°	8146.7	8135.3	8127.8	8125.2	8127.8	8135.3	8146.7	8166.6	8190.0	8214.7	8235.6
-12.5°	8172.0	8158.5	8149.9	8146.9	8149.9	8158.5	8172.0	8190.0	8211.1	8229.6	8240.3
-15°	8200.0	8187.9	8180.2	8177.6	8180.2	8187.9	8200.0	8214.7	8229.6	8239.2	8242.0
-17.5°	8225.1	8216.9	8211.7	8210.0	8211.7	8216.9	8225.1	8235.6	8240.3	8242.0	8232.5
-20°	8240.0	8237.4	8235.8	8235.3	8235.8	8237.4	8240.0	8243.5	8238.8	8231.0	8199.0



REPORT NUMBER: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-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°	8237.6	8241.3	8243.5	8244.3	8243.5	8241.3	8237.6	8232.7	8216.5	8187.8	8142.0
-25°	8206.1	8219.2	8227.2	8229.9	8227.2	8219.2	8206.1	8188.2	8160.9	8113.4	8057.3
-27.5°	8133.4	8154.8	8167.8	8172.2	8167.8	8154.8	8133.4	8104.0	8067.3	8011.8	7948.7
-30°	8022.7	8047.4	8062.5	8067.5	8062.5	8047.4	8022.7	7988.7	7946.0	7885.8	7813.5
-32.5°	7883.5	7911.4	7928.3	7934.0	7928.3	7911.4	7883.5	7845.0	7796.4	7733.3	7654.9
-35°	7714.0	7743.9	7762.0	7768.1	7762.0	7743.9	7714.0	7672.6	7620.3	7554.7	7468.4
-37.5°	7514.2	7546.8	7566.6	7573.2	7566.6	7546.8	7514.2	7468.9	7411.6	7342.8	7249.9
-40°	7277.2	7312.3	7333.4	7340.5	7333.4	7312.3	7277.2	7228.7	7167.0	7092.8	6998.1
-42.5°	7002.0	7038.6	7060.7	7068.1	7060.7	7038.6	7002.0	6951.2	6886.6	6808.8	6711.7
-45°	6687.4	6726.4	6749.9	6757.8	6749.9	6726.4	6687.4	6633.1	6564.0	6480.6	6381.3
-47.5°	6322.4	6363.8	6388.7	6397.0	6388.7	6363.8	6322.4	6264.9	6191.6	6102.9	5999.4
-50°	5906.0	5947.2	5972.0	5980.3	5972.0	5947.2	5906.0	5848.7	5775.6	5687.0	5583.5
-52.5°	5452.2	5494.0	5519.1	5527.5	5519.1	5494.0	5452.2	5394.1	5319.9	5229.9	5124.7
-55°	4949.9	4992.1	5017.5	5026.0	5017.5	4992.1	4949.9	4891.0	4815.8	4724.6	4617.8
-57.5°	4392.0	4435.4	4461.6	4470.3	4461.6	4435.4	4392.0	4331.5	4254.1	4160.1	4049.9
-60°	3768.3	3809.5	3834.2	3842.5	3834.2	3809.5	3768.3	3710.8	3637.4	3548.1	3443.4
-62.5°	3121.0	3157.0	3178.7	3185.9	3178.7	3157.0	3121.0	3070.7	3006.4	2928.2	2836.4
-65°	2499.0	2526.8	2543.5	2549.1	2543.5	2526.8	2499.0	2460.2	2410.5	2350.1	2279.1
-67.5°	1966.2	1985.3	1996.8	2000.6	1996.8	1985.3	1966.2	1939.5	1905.4	1863.9	1815.1
-70°	1551.5	1565.5	1573.9	1576.7	1573.9	1565.5	1551.5	1531.9	1506.9	1476.4	1440.6
-72.5°	1205.8	1215.4	1221.2	1223.1	1221.2	1215.4	1205.8	1192.4	1175.3	1154.4	1129.8
-75°	932.3	938.5	942.3	943.5	942.3	938.5	932.3	923.6	912.5	899.0	883.1
-77.5°	722.4	727.0	729.7	730.6	729.7	727.0	722.4	716.1	708.0	698.1	686.5
-80°	536.2	540.0	542.2	543.0	542.2	540.0	536.2	530.9	524.2	515.9	506.3
-82.5°	341.8	344.3	345.9	346.4	345.9	344.3	341.8	338.2	333.6	328.0	321.5
-85°	165.7	166.9	167.6	167.8	167.6	166.9	165.7	164.1	162.0	159.4	156.4
-87.5°	44.7	44.9	45.1	45.1	45.1	44.9	44.7	44.4	44.0	43.6	43.0
-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: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	42.4	41.7	40.9	40.0	39.1	38.0	36.9	35.8	34.5	33.2	31.9
85°	153.0	149.1	144.8	140.0	134.9	129.3	123.3	117.0	110.3	103.2	95.8
82.5°	313.9	305.4	296.0	285.6	274.3	262.1	249.1	235.2	220.6	205.1	188.9
80°	495.1	482.6	468.7	453.4	436.8	418.9	399.7	379.3	357.7	336.1	314.5
77.5°	673.2	658.2	641.5	623.2	603.3	581.9	558.9	534.1	507.1	478.7	448.9
75°	864.8	844.2	821.4	796.3	769.1	739.8	711.1	681.8	650.7	618.1	583.9
72.5°	1101.6	1069.9	1034.6	996.0	954.1	917.2	880.5	841.5	800.3	756.9	713.8
70°	1399.5	1353.3	1302.0	1245.8	1192.8	1141.0	1085.6	1026.7	964.6	909.9	858.0
67.5°	1759.1	1696.2	1626.5	1554.5	1485.4	1411.1	1331.8	1247.7	1172.4	1098.8	1021.8
65°	2197.8	2106.4	2005.2	1918.5	1825.8	1726.1	1619.8	1518.7	1419.6	1315.7	1210.5
62.5°	2731.3	2613.3	2491.9	2368.8	2235.6	2092.6	1953.9	1829.3	1697.9	1563.0	1443.3
60°	3323.6	3189.1	3044.8	2887.3	2716.9	2536.3	2368.8	2191.6	2005.2	1853.4	1696.2
57.5°	3924.0	3780.0	3616.9	3438.8	3246.5	3044.8	2832.4	2607.9	2396.6	2184.2	1971.6
55°	4495.8	4344.7	4174.3	3988.6	3785.8	3561.6	3323.6	3075.9	2820.3	2553.4	2313.8
52.5°	5002.3	4853.4	4689.3	4510.8	4298.7	4066.5	3819.4	3548.1	3263.9	2974.1	2675.6
50°	5459.0	5313.1	5152.6	4973.0	4765.0	4543.2	4287.5	4008.5	3710.8	3393.0	3067.2
47.5°	5873.2	5730.5	5573.8	5390.4	5188.2	4967.2	4715.1	4447.8	4135.5	3809.5	3458.1
45°	6253.8	6111.9	5954.2	5771.0	5574.8	5349.0	5105.5	4831.3	4536.5	4199.5	3842.5
42.5°	6592.3	6459.6	6301.7	6120.6	5922.4	5699.3	5457.8	5186.0	4889.9	4565.3	4199.5
40°	6887.1	6764.1	6609.0	6440.8	6240.4	6021.4	5775.0	5512.8	5213.0	4889.9	4536.5
37.5°	7144.7	7022.8	6878.7	6718.2	6526.6	6313.4	6069.0	5800.4	5512.8	5186.0	4831.3
35°	7371.4	7251.4	7115.7	6956.6	6781.0	6570.0	6337.8	6069.0	5775.0	5457.8	5105.5
32.5°	7566.0	7451.0	7324.3	7169.0	6996.1	6800.2	6570.0	6313.4	6021.4	5699.3	5349.0
30°	7726.7	7623.1	7499.7	7358.2	7186.9	6996.1	6781.0	6526.6	6240.4	5922.4	5574.8
27.5°	7865.1	7770.3	7651.5	7516.1	7358.2	7169.0	6956.6	6718.2	6440.8	6120.6	5771.0
25°	7981.6	7891.4	7783.0	7651.5	7499.7	7324.3	7115.7	6878.7	6609.0	6301.7	5954.2
22.5°	8077.8	7992.8	7891.4	7770.3	7623.1	7451.0	7251.4	7022.8	6764.1	6459.6	6111.9
20°	8151.6	8077.8	7981.6	7865.1	7726.7	7566.0	7371.4	7144.7	6887.1	6592.3	6253.8
17.5°	8199.0	8142.0	8057.3	7948.7	7813.5	7654.9	7468.4	7249.9	6998.1	6711.7	6381.3
15°	8231.0	8187.8	8113.4	8011.8	7885.8	7733.3	7554.7	7342.8	7092.8	6808.8	6480.6
12.5°	8238.8	8216.5	8160.9	8067.3	7946.0	7796.4	7620.3	7411.6	7167.0	6886.6	6564.0
10°	8243.5	8232.7	8188.2	8104.0	7988.7	7845.0	7672.6	7468.9	7228.7	6951.2	6633.1
7.5°	8240.0	8237.6	8206.1	8133.4	8022.7	7883.5	7714.0	7514.2	7277.2	7002.0	6687.4
5°	8237.4	8241.3	8219.2	8154.8	8047.4	7911.4	7743.9	7546.8	7312.3	7038.6	6726.4
2.5°	8235.8	8243.5	8227.2	8167.8	8062.5	7928.3	7762.0	7566.6	7333.4	7060.7	6749.9
0°	8235.3	8244.3	8229.9	8172.2	8067.5	7934.0	7768.1	7573.2	7340.5	7068.1	6757.8
-2.5°	8235.8	8243.5	8227.2	8167.8	8062.5	7928.3	7762.0	7566.6	7333.4	7060.7	6749.9
-5°	8237.4	8241.3	8219.2	8154.8	8047.4	7911.4	7743.9	7546.8	7312.3	7038.6	6726.4
-7.5°	8240.0	8237.6	8206.1	8133.4	8022.7	7883.5	7714.0	7514.2	7277.2	7002.0	6687.4
-10°	8243.5	8232.7	8188.2	8104.0	7988.7	7845.0	7672.6	7468.9	7228.7	6951.2	6633.1
-12.5°	8238.8	8216.5	8160.9	8067.3	7946.0	7796.4	7620.3	7411.6	7167.0	6886.6	6564.0
-15°	8231.0	8187.8	8113.4	8011.8	7885.8	7733.3	7554.7	7342.8	7092.8	6808.8	6480.6
-17.5°	8199.0	8142.0	8057.3	7948.7	7813.5	7654.9	7468.4	7249.9	6998.1	6711.7	6381.3
-20°	8151.6	8077.8	7981.6	7865.1	7726.7	7566.0	7371.4	7144.7	6887.1	6592.3	6253.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8077.8	7992.8	7891.4	7770.3	7623.1	7451.0	7251.4	7022.8	6764.1	6459.6	6111.9
-25°	7981.6	7891.4	7783.0	7651.5	7499.7	7324.3	7115.7	6878.7	6609.0	6301.7	5954.2
-27.5°	7865.1	7770.3	7651.5	7516.1	7358.2	7169.0	6956.6	6718.2	6440.8	6120.6	5771.0
-30°	7726.7	7623.1	7499.7	7358.2	7186.9	6996.1	6781.0	6526.6	6240.4	5922.4	5574.8
-32.5°	7566.0	7451.0	7324.3	7169.0	6996.1	6800.2	6570.0	6313.4	6021.4	5699.3	5349.0
-35°	7371.4	7251.4	7115.7	6956.6	6781.0	6570.0	6337.8	6069.0	5775.0	5457.8	5105.5
-37.5°	7144.7	7022.8	6878.7	6718.2	6526.6	6313.4	6069.0	5800.4	5512.8	5186.0	4831.3
-40°	6887.1	6764.1	6609.0	6440.8	6240.4	6021.4	5775.0	5512.8	5213.0	4889.9	4536.5
-42.5°	6592.3	6459.6	6301.7	6120.6	5922.4	5699.3	5457.8	5186.0	4889.9	4565.3	4199.5
-45°	6253.8	6111.9	5954.2	5771.0	5574.8	5349.0	5105.5	4831.3	4536.5	4199.5	3842.5
-47.5°	5873.2	5730.5	5573.8	5390.4	5188.2	4967.2	4715.1	4447.8	4135.5	3809.5	3458.1
-50°	5459.0	5313.1	5152.6	4973.0	4765.0	4543.2	4287.5	4008.5	3710.8	3393.0	3067.2
-52.5°	5002.3	4853.4	4689.3	4510.8	4298.7	4066.5	3819.4	3548.1	3263.9	2974.1	2675.6
-55°	4495.8	4344.7	4174.3	3988.6	3785.8	3561.6	3323.6	3075.9	2820.3	2553.4	2313.8
-57.5°	3924.0	3780.0	3616.9	3438.8	3246.5	3044.8	2832.4	2607.9	2396.6	2184.2	1971.6
-60°	3323.6	3189.1	3044.8	2887.3	2716.9	2536.3	2368.8	2191.6	2005.2	1853.4	1696.2
-62.5°	2731.3	2613.3	2491.9	2368.8	2235.6	2092.6	1953.9	1829.3	1697.9	1563.0	1443.3
-65°	2197.8	2106.4	2005.2	1918.5	1825.8	1726.1	1619.8	1518.7	1419.6	1315.7	1210.5
-67.5°	1759.1	1696.2	1626.5	1554.5	1485.4	1411.1	1331.8	1247.7	1172.4	1098.8	1021.8
-70°	1399.5	1353.3	1302.0	1245.8	1192.8	1141.0	1085.6	1026.7	964.6	909.9	858.0
-72.5°	1101.6	1069.9	1034.6	996.0	954.1	917.2	880.5	841.5	800.3	756.9	713.8
-75°	864.8	844.2	821.4	796.3	769.1	739.8	711.1	681.8	650.7	618.1	583.9
-77.5°	673.2	658.2	641.5	623.2	603.3	581.9	558.9	534.1	507.1	478.7	448.9
-80°	495.1	482.6	468.7	453.4	436.8	418.9	399.7	379.3	357.7	336.1	314.5
-82.5°	313.9	305.4	296.0	285.6	274.3	262.1	249.1	235.2	220.6	205.1	188.9
-85°	153.0	149.1	144.8	140.0	134.9	129.3	123.3	117.0	110.3	103.2	95.8
-87.5°	42.4	41.7	40.9	40.0	39.1	38.0	36.9	35.8	34.5	33.2	31.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.5	29.0	27.4	25.9	24.2	22.5	20.8	19.1	17.3	15.4	13.6
85°	88.1	80.0	71.7	63.0	54.1	45.1	41.6	38.1	34.5	30.8	27.1
82.5°	172.0	158.6	146.1	133.1	119.8	106.1	92.0	77.6	62.9	48.0	40.6
80°	291.9	268.4	244.1	219.0	193.1	166.9	148.1	129.0	109.4	89.5	69.3
77.5°	417.8	385.5	352.0	320.1	287.7	254.4	220.4	185.5	155.6	130.8	105.6
75°	548.3	509.7	469.5	428.0	385.2	341.8	300.9	259.2	216.7	173.4	141.5
72.5°	672.2	628.9	584.1	537.6	487.8	436.6	384.3	332.2	282.7	232.3	181.2
70°	803.8	747.6	694.4	641.6	587.2	530.9	471.2	410.2	348.0	290.5	232.3
67.5°	942.1	878.8	813.3	745.9	683.0	620.4	556.3	488.5	418.8	348.0	282.7
65°	1121.3	1028.8	935.7	860.8	783.8	708.0	637.0	564.7	488.5	410.2	332.2
62.5°	1318.8	1196.9	1091.7	983.5	889.4	802.9	716.4	637.0	556.3	471.2	384.3
60°	1540.3	1399.5	1254.3	1129.8	1008.8	899.0	802.9	708.0	620.4	530.9	436.6
57.5°	1794.4	1611.4	1448.3	1286.7	1142.5	1008.8	889.4	783.8	683.0	587.2	487.8
55°	2066.2	1853.9	1650.7	1464.6	1286.7	1129.8	983.5	860.8	745.9	641.6	537.6
52.5°	2392.2	2118.1	1873.8	1650.7	1448.3	1254.3	1091.7	935.7	813.3	694.4	584.1
50°	2737.2	2418.4	2118.1	1853.9	1611.4	1399.5	1196.9	1028.8	878.8	747.6	628.9
47.5°	3098.4	2737.2	2392.2	2066.2	1794.4	1540.3	1318.8	1121.3	942.1	803.8	672.2
45°	3458.1	3067.2	2675.6	2313.8	1971.6	1696.2	1443.3	1210.5	1021.8	858.0	713.8
42.5°	3809.5	3393.0	2974.1	2553.4	2184.2	1853.4	1563.0	1315.7	1098.8	909.9	756.9
40°	4135.5	3710.8	3263.9	2820.3	2396.6	2005.2	1697.9	1419.6	1172.4	964.6	800.3
37.5°	4447.8	4008.5	3548.1	3075.9	2607.9	2191.6	1829.3	1518.7	1247.7	1026.7	841.5
35°	4715.1	4287.5	3819.4	3323.6	2832.4	2368.8	1953.9	1619.8	1331.8	1085.6	880.5
32.5°	4967.2	4543.2	4066.5	3561.6	3044.8	2536.3	2092.6	1726.1	1411.1	1141.0	917.2
30°	5188.2	4765.0	4298.7	3785.8	3246.5	2716.9	2235.6	1825.8	1485.4	1192.8	954.1
27.5°	5390.4	4973.0	4510.8	3988.6	3438.8	2887.3	2368.8	1918.5	1554.5	1245.8	996.0
25°	5573.8	5152.6	4689.3	4174.3	3616.9	3044.8	2491.9	2005.2	1626.5	1302.0	1034.6
22.5°	5730.5	5313.1	4853.4	4344.7	3780.0	3189.1	2613.3	2106.4	1696.2	1353.3	1069.9
20°	5873.2	5459.0	5002.3	4495.8	3924.0	3323.6	2731.3	2197.8	1759.1	1399.5	1101.6
17.5°	5999.4	5583.5	5124.7	4617.8	4049.9	3443.4	2836.4	2279.1	1815.1	1440.6	1129.8
15°	6102.9	5687.0	5229.9	4724.6	4160.1	3548.1	2928.2	2350.1	1863.9	1476.4	1154.4
12.5°	6191.6	5775.6	5319.9	4815.8	4254.1	3637.4	3006.4	2410.5	1905.4	1506.9	1175.3
10°	6264.9	5848.7	5394.1	4891.0	4331.5	3710.8	3070.7	2460.2	1939.5	1531.9	1192.4
7.5°	6322.4	5906.0	5452.2	4949.9	4392.0	3768.3	3121.0	2499.0	1966.2	1551.5	1205.8
5°	6363.8	5947.2	5494.0	4992.1	4435.4	3809.5	3157.0	2526.8	1985.3	1565.5	1215.4
2.5°	6388.7	5972.0	5519.1	5017.5	4461.6	3834.2	3178.7	2543.5	1996.8	1573.9	1221.2
0°	6397.0	5980.3	5527.5	5026.0	4470.3	3842.5	3185.9	2549.1	2000.6	1576.7	1223.1
-2.5°	6388.7	5972.0	5519.1	5017.5	4461.6	3834.2	3178.7	2543.5	1996.8	1573.9	1221.2
-5°	6363.8	5947.2	5494.0	4992.1	4435.4	3809.5	3157.0	2526.8	1985.3	1565.5	1215.4
-7.5°	6322.4	5906.0	5452.2	4949.9	4392.0	3768.3	3121.0	2499.0	1966.2	1551.5	1205.8
-10°	6264.9	5848.7	5394.1	4891.0	4331.5	3710.8	3070.7	2460.2	1939.5	1531.9	1192.4
-12.5°	6191.6	5775.6	5319.9	4815.8	4254.1	3637.4	3006.4	2410.5	1905.4	1506.9	1175.3
-15°	6102.9	5687.0	5229.9	4724.6	4160.1	3548.1	2928.2	2350.1	1863.9	1476.4	1154.4
-17.5°	5999.4	5583.5	5124.7	4617.8	4049.9	3443.4	2836.4	2279.1	1815.1	1440.6	1129.8
-20°	5873.2	5459.0	5002.3	4495.8	3924.0	3323.6	2731.3	2197.8	1759.1	1399.5	1101.6



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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°	5730.5	5313.1	4853.4	4344.7	3780.0	3189.1	2613.3	2106.4	1696.2	1353.3	1069.9
-25°	5573.8	5152.6	4689.3	4174.3	3616.9	3044.8	2491.9	2005.2	1626.5	1302.0	1034.6
-27.5°	5390.4	4973.0	4510.8	3988.6	3438.8	2887.3	2368.8	1918.5	1554.5	1245.8	996.0
-30°	5188.2	4765.0	4298.7	3785.8	3246.5	2716.9	2235.6	1825.8	1485.4	1192.8	954.1
-32.5°	4967.2	4543.2	4066.5	3561.6	3044.8	2536.3	2092.6	1726.1	1411.1	1141.0	917.2
-35°	4715.1	4287.5	3819.4	3323.6	2832.4	2368.8	1953.9	1619.8	1331.8	1085.6	880.5
-37.5°	4447.8	4008.5	3548.1	3075.9	2607.9	2191.6	1829.3	1518.7	1247.7	1026.7	841.5
-40°	4135.5	3710.8	3263.9	2820.3	2396.6	2005.2	1697.9	1419.6	1172.4	964.6	800.3
-42.5°	3809.5	3393.0	2974.1	2553.4	2184.2	1853.4	1563.0	1315.7	1098.8	909.9	756.9
-45°	3458.1	3067.2	2675.6	2313.8	1971.6	1696.2	1443.3	1210.5	1021.8	858.0	713.8
-47.5°	3098.4	2737.2	2392.2	2066.2	1794.4	1540.3	1318.8	1121.3	942.1	803.8	672.2
-50°	2737.2	2418.4	2118.1	1853.9	1611.4	1399.5	1196.9	1028.8	878.8	747.6	628.9
-52.5°	2392.2	2118.1	1873.8	1650.7	1448.3	1254.3	1091.7	935.7	813.3	694.4	584.1
-55°	2066.2	1853.9	1650.7	1464.6	1286.7	1129.8	983.5	860.8	745.9	641.6	537.6
-57.5°	1794.4	1611.4	1448.3	1286.7	1142.5	1008.8	889.4	783.8	683.0	587.2	487.8
-60°	1540.3	1399.5	1254.3	1129.8	1008.8	899.0	802.9	708.0	620.4	530.9	436.6
-62.5°	1318.8	1196.9	1091.7	983.5	889.4	802.9	716.4	637.0	556.3	471.2	384.3
-65°	1121.3	1028.8	935.7	860.8	783.8	708.0	637.0	564.7	488.5	410.2	332.2
-67.5°	942.1	878.8	813.3	745.9	683.0	620.4	556.3	488.5	418.8	348.0	282.7
-70°	803.8	747.6	694.4	641.6	587.2	530.9	471.2	410.2	348.0	290.5	232.3
-72.5°	672.2	628.9	584.1	537.6	487.8	436.6	384.3	332.2	282.7	232.3	181.2
-75°	548.3	509.7	469.5	428.0	385.2	341.8	300.9	259.2	216.7	173.4	141.5
-77.5°	417.8	385.5	352.0	320.1	287.7	254.4	220.4	185.5	155.6	130.8	105.6
-80°	291.9	268.4	244.1	219.0	193.1	166.9	148.1	129.0	109.4	89.5	69.3
-82.5°	172.0	158.6	146.1	133.1	119.8	106.1	92.0	77.6	62.9	48.0	40.6
-85°	88.1	80.0	71.7	63.0	54.1	45.1	41.6	38.1	34.5	30.8	27.1
-87.5°	30.5	29.0	27.4	25.9	24.2	22.5	20.8	19.1	17.3	15.4	13.6
-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°	11.7	9.8	7.8	5.9	3.9	2.0	0.0
85°	23.3	19.5	15.6	11.8	7.9	3.9	0.0
82.5°	34.9	29.2	23.4	17.6	11.8	5.9	0.0
80°	48.8	38.9	31.2	23.4	15.6	7.8	0.0
77.5°	80.0	54.2	38.9	29.2	19.5	9.8	0.0
75°	110.9	80.0	48.8	34.9	23.3	11.7	0.0
72.5°	141.5	105.6	69.3	40.6	27.1	13.6	0.0
70°	173.4	130.8	89.5	48.0	30.8	15.4	0.0
67.5°	216.7	155.6	109.4	62.9	34.5	17.3	0.0
65°	259.2	185.5	129.0	77.6	38.1	19.1	0.0
62.5°	300.9	220.4	148.1	92.0	41.6	20.8	0.0
60°	341.8	254.4	166.9	106.1	45.1	22.5	0.0
57.5°	385.2	287.7	193.1	119.8	54.1	24.2	0.0
55°	428.0	320.1	219.0	133.1	63.0	25.9	0.0
52.5°	469.5	352.0	244.1	146.1	71.7	27.4	0.0
50°	509.7	385.5	268.4	158.6	80.0	29.0	0.0
47.5°	548.3	417.8	291.9	172.0	88.1	30.5	0.0
45°	583.9	448.9	314.5	188.9	95.8	31.9	0.0
42.5°	618.1	478.7	336.1	205.1	103.2	33.2	0.0
40°	650.7	507.1	357.7	220.6	110.3	34.5	0.0
37.5°	681.8	534.1	379.3	235.2	117.0	35.8	0.0
35°	711.1	558.9	399.7	249.1	123.3	36.9	0.0
32.5°	739.8	581.9	418.9	262.1	129.3	38.0	0.0
30°	769.1	603.3	436.8	274.3	134.9	39.1	0.0
27.5°	796.3	623.2	453.4	285.6	140.0	40.0	0.0
25°	821.4	641.5	468.7	296.0	144.8	40.9	0.0
22.5°	844.2	658.2	482.6	305.4	149.1	41.7	0.0
20°	864.8	673.2	495.1	313.9	153.0	42.4	0.0
17.5°	883.1	686.5	506.3	321.5	156.4	43.0	0.0
15°	899.0	698.1	515.9	328.0	159.4	43.6	0.0
12.5°	912.5	708.0	524.2	333.6	162.0	44.0	0.0
10°	923.6	716.1	530.9	338.2	164.1	44.4	0.0
7.5°	932.3	722.4	536.2	341.8	165.7	44.7	0.0
5°	938.5	727.0	540.0	344.3	166.9	44.9	0.0
2.5°	942.3	729.7	542.2	345.9	167.6	45.1	0.0
0°	943.5	730.6	543.0	346.4	167.8	45.1	0.0
-2.5°	942.3	729.7	542.2	345.9	167.6	45.1	0.0
-5°	938.5	727.0	540.0	344.3	166.9	44.9	0.0
-7.5°	932.3	722.4	536.2	341.8	165.7	44.7	0.0
-10°	923.6	716.1	530.9	338.2	164.1	44.4	0.0
-12.5°	912.5	708.0	524.2	333.6	162.0	44.0	0.0
-15°	899.0	698.1	515.9	328.0	159.4	43.6	0.0
-17.5°	883.1	686.5	506.3	321.5	156.4	43.0	0.0
-20°	864.8	673.2	495.1	313.9	153.0	42.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	844.2	658.2	482.6	305.4	149.1	41.7	0.0
-25°	821.4	641.5	468.7	296.0	144.8	40.9	0.0
-27.5°	796.3	623.2	453.4	285.6	140.0	40.0	0.0
-30°	769.1	603.3	436.8	274.3	134.9	39.1	0.0
-32.5°	739.8	581.9	418.9	262.1	129.3	38.0	0.0
-35°	711.1	558.9	399.7	249.1	123.3	36.9	0.0
-37.5°	681.8	534.1	379.3	235.2	117.0	35.8	0.0
-40°	650.7	507.1	357.7	220.6	110.3	34.5	0.0
-42.5°	618.1	478.7	336.1	205.1	103.2	33.2	0.0
-45°	583.9	448.9	314.5	188.9	95.8	31.9	0.0
-47.5°	548.3	417.8	291.9	172.0	88.1	30.5	0.0
-50°	509.7	385.5	268.4	158.6	80.0	29.0	0.0
-52.5°	469.5	352.0	244.1	146.1	71.7	27.4	0.0
-55°	428.0	320.1	219.0	133.1	63.0	25.9	0.0
-57.5°	385.2	287.7	193.1	119.8	54.1	24.2	0.0
-60°	341.8	254.4	166.9	106.1	45.1	22.5	0.0
-62.5°	300.9	220.4	148.1	92.0	41.6	20.8	0.0
-65°	259.2	185.5	129.0	77.6	38.1	19.1	0.0
-67.5°	216.7	155.6	109.4	62.9	34.5	17.3	0.0
-70°	173.4	130.8	89.5	48.0	30.8	15.4	0.0
-72.5°	141.5	105.6	69.3	40.6	27.1	13.6	0.0
-75°	110.9	80.0	48.8	34.9	23.3	11.7	0.0
-77.5°	80.0	54.2	38.9	29.2	19.5	9.8	0.0
-80°	48.8	38.9	31.2	23.4	15.6	7.8	0.0
-82.5°	34.9	29.2	23.4	17.6	11.8	5.9	0.0
-85°	23.3	19.5	15.6	11.8	7.9	3.9	0.0
-87.5°	11.7	9.8	7.8	5.9	3.9	2.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)