

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-730-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N118
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

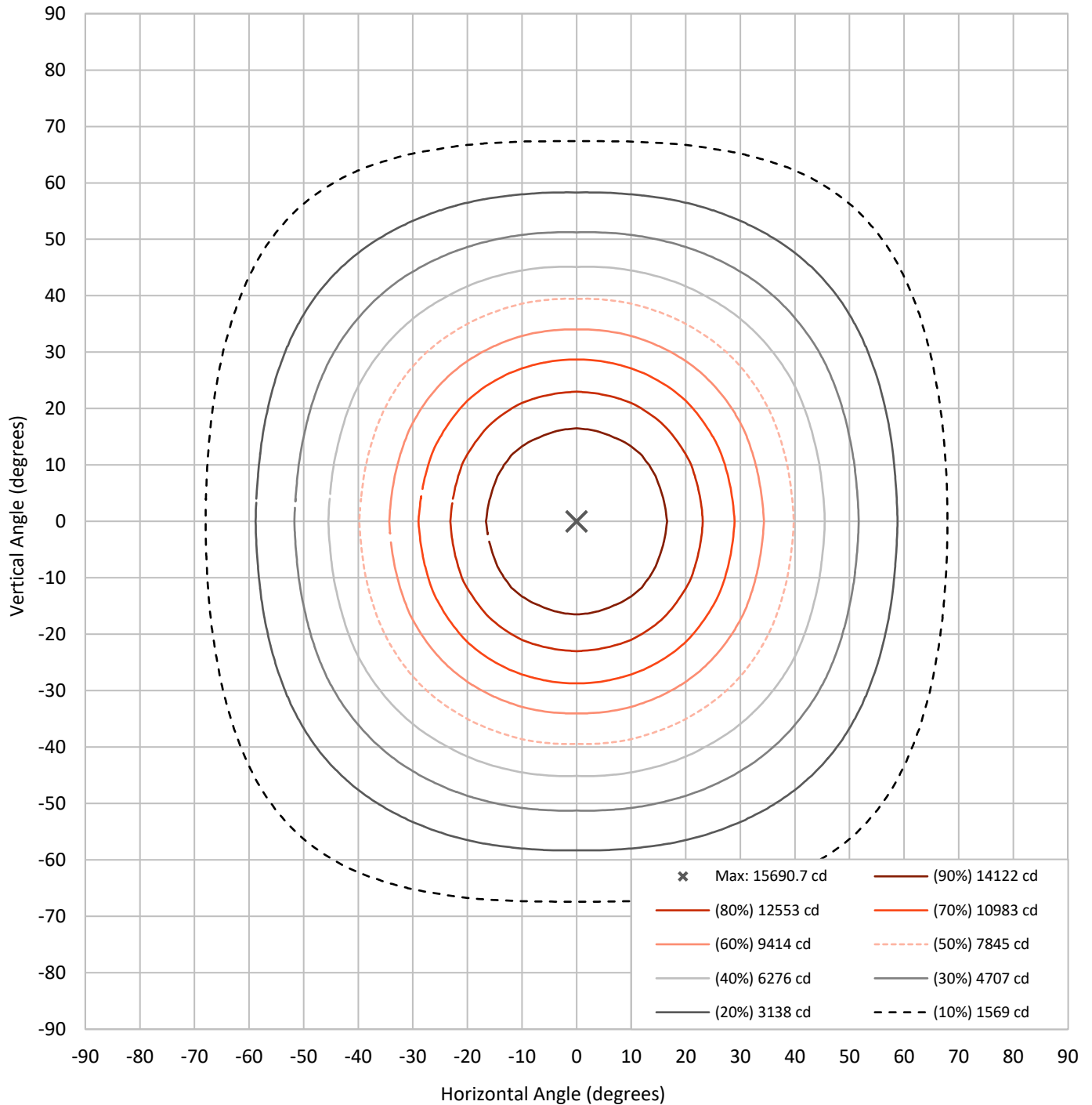
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	28359.6 lumens	Max Intensity:	15690.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	137.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	16633.1 lumens	Field Lumens:	27036.1 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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		



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Iso-Candela Plot





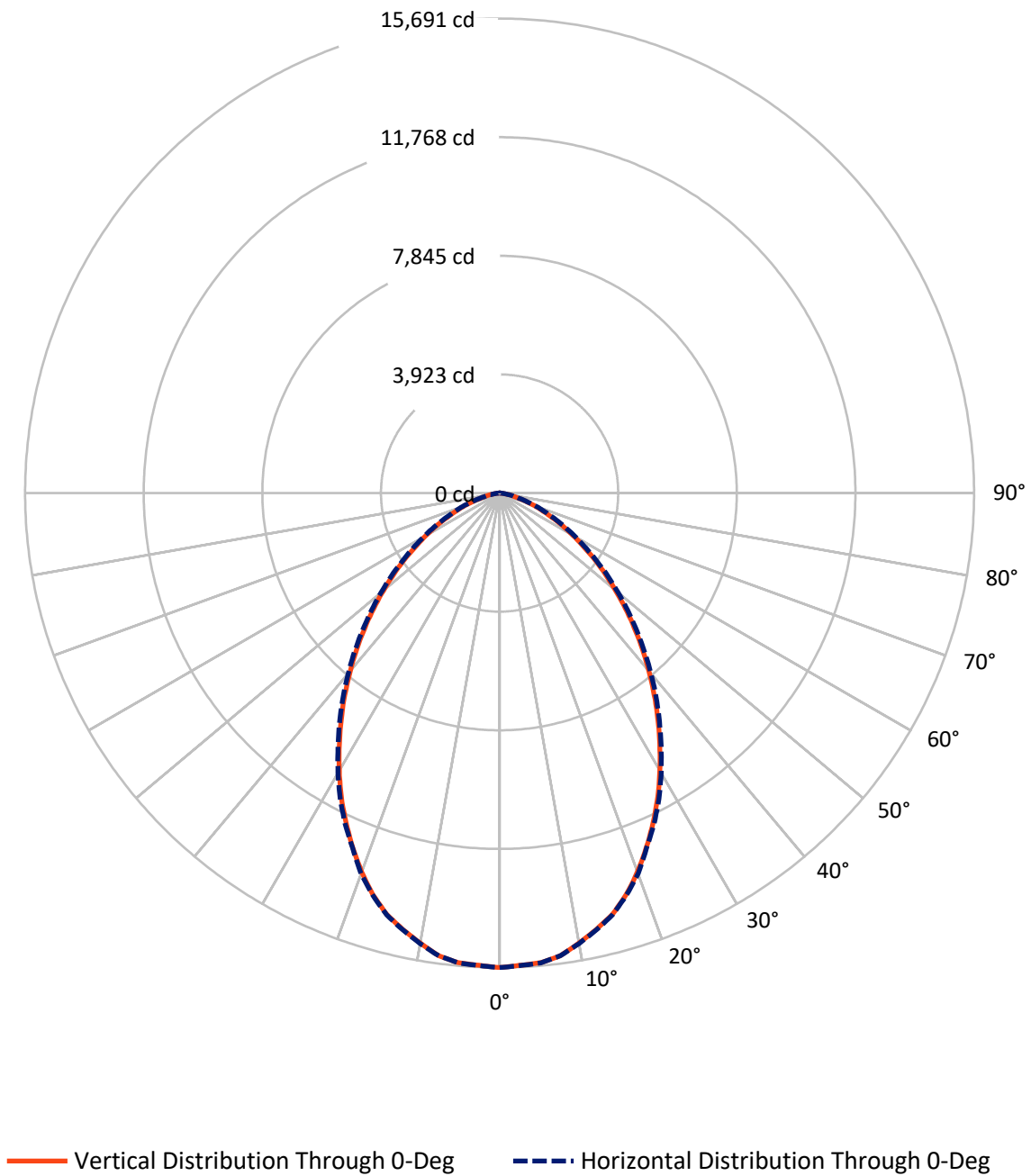
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Lumen Table

90																			
80	1.0	11.6	31.6	53.7	50.6	53.7	31.6	11.6	1.0										
70																			
60	5.3	7.3	14.7	25.0	36.6	47.3	55.3	59.2	59.2	55.3	47.3	36.6	25.0	14.7	7.3				5.3
50																			
40	9.3	10.9	23.8	42.5	64.4	87.6	106.6	116.4	116.4	106.6	87.6	64.4	42.5	23.8	10.9				9.3
30																			
20	11.9	14.7	34.5	63.7	100.9	139.8	172.5	190.3	190.3	172.5	139.8	100.9	63.7	34.5	14.7				11.9
10																			
0	13.0	18.5	45.7	87.7	141.2	198.0	246.5	274.0	274.0	246.5	198.0	141.2	87.7	45.7	18.5				13.0
-10																			
-20	11.9	22.2	56.2	110.2	179.8	255.2	321.0	358.8	358.8	321.0	255.2	179.8	110.2	56.2	22.2				11.9
-30																			
-40	9.3	25.0	64.3	127.1	209.9	301.6	382.5	428.5	428.5	382.5	301.6	209.9	127.1	64.3	25.0				9.3
-50																			
-60	5.3	26.6	68.8	136.7	226.6	327.3	415.8	464.2	464.2	415.8	327.3	226.6	136.7	68.8	26.6				5.3
-70																			
-80	1.0	26.6	68.8	136.7	226.6	327.3	415.8	464.2	464.2	415.8	327.3	226.6	136.7	68.8	26.6				1.0
-90																			

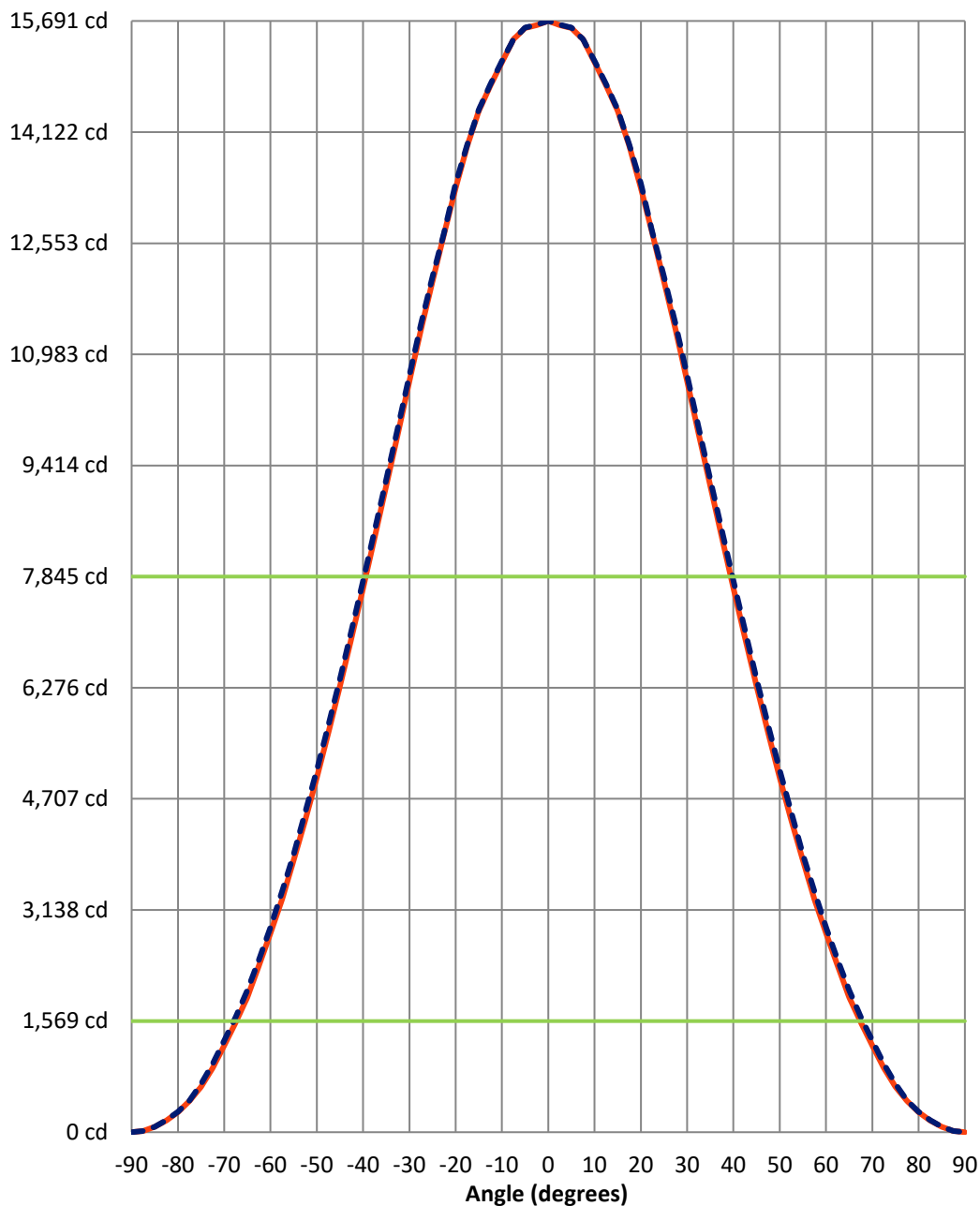
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 16633.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 27036.1
 Efficiency: 95.3%

Spill:
 Lumens: 1323.6
 Efficiency: 4.7%

— Vertical Distribution through 0-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	0.9	2.0	3.1	4.1	5.1	6.1	7.1	8.0	9.0	9.9
85°	0.0	1.8	4.1	6.1	8.2	10.2	12.2	14.1	16.1	18.0	19.8
82.5°	0.0	2.7	6.1	9.2	12.2	15.2	18.2	21.1	26.5	41.7	56.2
80°	0.0	3.6	8.1	12.2	16.2	20.2	27.4	48.8	69.3	89.1	108.0
77.5°	0.0	4.4	10.1	15.2	20.2	31.7	59.7	86.6	112.0	136.3	166.4
75°	0.0	5.3	12.0	18.2	26.4	55.0	91.2	124.2	155.9	199.4	245.7
72.5°	0.0	6.1	14.0	21.1	42.1	77.5	121.8	164.6	214.4	267.4	323.5
70°	0.0	7.0	15.8	25.3	57.2	99.2	152.3	213.1	271.6	334.0	407.0
67.5°	0.0	7.8	17.6	34.7	71.8	120.1	188.9	260.4	327.6	406.5	490.1
65°	0.0	8.6	19.4	43.7	85.8	143.4	224.0	306.5	388.1	476.7	567.9
62.5°	0.0	9.3	21.1	52.3	99.0	168.9	257.3	354.6	446.6	543.9	637.4
60°	0.0	10.1	22.7	60.5	111.3	193.1	288.6	402.3	502.8	606.7	706.0
57.5°	0.0	10.8	27.3	68.1	127.9	215.8	321.6	446.8	558.3	668.5	771.1
55°	0.0	11.5	31.7	75.3	143.6	236.9	352.9	485.3	612.9	728.2	833.5
52.5°	0.0	12.1	36.0	81.9	158.3	256.9	381.9	525.2	666.1	783.1	894.3
50°	0.0	12.8	40.2	87.9	171.8	278.2	408.4	563.2	716.8	836.4	964.0
47.5°	0.0	13.4	44.1	94.2	184.1	297.6	433.3	598.4	762.6	888.0	1032.3
45°	0.0	13.9	47.8	102.3	195.1	315.2	460.9	631.0	798.3	946.3	1097.7
42.5°	0.0	14.4	51.4	109.7	205.0	330.8	486.3	660.9	832.4	1002.2	1174.6
40°	0.0	14.9	54.7	117.3	214.8	344.4	509.3	689.2	867.9	1054.5	1249.6
37.5°	0.0	15.4	57.8	124.8	224.6	356.0	529.8	716.1	907.7	1104.1	1319.8
35°	0.0	15.8	60.7	131.8	232.9	369.4	548.0	741.4	946.5	1161.3	1390.7
32.5°	0.0	16.2	63.3	138.2	239.9	382.9	564.8	765.1	984.2	1216.2	1465.7
30°	0.0	16.5	65.8	144.1	245.6	394.3	582.3	788.8	1020.5	1268.7	1535.9
27.5°	0.0	16.8	68.0	149.4	254.0	403.8	598.0	816.3	1057.9	1318.6	1600.9
25°	0.0	17.1	69.9	154.2	261.9	411.4	611.8	841.9	1097.0	1369.3	1661.1
22.5°	0.0	17.3	71.7	158.4	268.8	419.0	623.6	865.3	1132.9	1417.3	1725.2
20°	0.0	17.5	73.1	162.0	274.8	429.4	633.4	886.3	1165.4	1460.3	1782.7
17.5°	0.0	17.6	74.4	165.1	279.8	437.9	645.6	904.8	1194.5	1497.9	1833.4
15°	0.0	17.7	75.4	167.6	283.9	444.5	658.3	922.5	1219.7	1530.2	1877.1
12.5°	0.0	17.8	76.2	169.5	287.0	449.3	668.6	939.2	1242.5	1557.0	1913.6
10°	0.0	17.8	76.7	170.8	289.1	452.3	676.5	952.0	1262.3	1582.2	1944.5
7.5°	0.0	17.8	77.0	171.6	290.3	453.5	681.9	960.9	1277.4	1602.5	1971.1
5°	0.0	17.8	77.1	171.8	290.5	453.0	684.6	966.0	1287.8	1617.2	1990.2
2.5°	0.0	17.7	76.9	171.5	289.8	450.8	684.8	967.2	1293.4	1626.1	2001.7
0°	0.0	17.6	76.5	170.6	288.2	447.0	682.2	964.5	1293.8	1629.1	2005.5
-2.5°	0.0	17.7	76.9	171.5	289.8	450.8	684.8	967.2	1293.4	1626.1	2001.7
-5°	0.0	17.8	77.1	171.8	290.5	453.0	684.6	966.0	1287.8	1617.2	1990.2
-7.5°	0.0	17.8	77.0	171.6	290.3	453.5	681.9	960.9	1277.4	1602.5	1971.1
-10°	0.0	17.8	76.7	170.8	289.1	452.3	676.5	952.0	1262.3	1582.2	1944.5
-12.5°	0.0	17.8	76.2	169.5	287.0	449.3	668.6	939.2	1242.5	1557.0	1913.6
-15°	0.0	17.7	75.4	167.6	283.9	444.5	658.3	922.5	1219.7	1530.2	1877.1
-17.5°	0.0	17.6	74.4	165.1	279.8	437.9	645.6	904.8	1194.5	1497.9	1833.4
-20°	0.0	17.5	73.1	162.0	274.8	429.4	633.4	886.3	1165.4	1460.3	1782.7

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.3	71.7	158.4	268.8	419.0	623.6	865.3	1132.9	1417.3	1725.2
-25°	0.0	17.1	69.9	154.2	261.9	411.4	611.8	841.9	1097.0	1369.3	1661.1
-27.5°	0.0	16.8	68.0	149.4	254.0	403.8	598.0	816.3	1057.9	1318.6	1600.9
-30°	0.0	16.5	65.8	144.1	245.6	394.3	582.3	788.8	1020.5	1268.7	1535.9
-32.5°	0.0	16.2	63.3	138.2	239.9	382.9	564.8	765.1	984.2	1216.2	1465.7
-35°	0.0	15.8	60.7	131.8	232.9	369.4	548.0	741.4	946.5	1161.3	1390.7
-37.5°	0.0	15.4	57.8	124.8	224.6	356.0	529.8	716.1	907.7	1104.1	1319.8
-40°	0.0	14.9	54.7	117.3	214.8	344.4	509.3	689.2	867.9	1054.5	1249.6
-42.5°	0.0	14.4	51.4	109.7	205.0	330.8	486.3	660.9	832.4	1002.2	1174.6
-45°	0.0	13.9	47.8	102.3	195.1	315.2	460.9	631.0	798.3	946.3	1097.7
-47.5°	0.0	13.4	44.1	94.2	184.1	297.6	433.3	598.4	762.6	888.0	1032.3
-50°	0.0	12.8	40.2	87.9	171.8	278.2	408.4	563.2	716.8	836.4	964.0
-52.5°	0.0	12.1	36.0	81.9	158.3	256.9	381.9	525.2	666.1	783.1	894.3
-55°	0.0	11.5	31.7	75.3	143.6	236.9	352.9	485.3	612.9	728.2	833.5
-57.5°	0.0	10.8	27.3	68.1	127.9	215.8	321.6	446.8	558.3	668.5	771.1
-60°	0.0	10.1	22.7	60.5	111.3	193.1	288.6	402.3	502.8	606.7	706.0
-62.5°	0.0	9.3	21.1	52.3	99.0	168.9	257.3	354.6	446.6	543.9	637.4
-65°	0.0	8.6	19.4	43.7	85.8	143.4	224.0	306.5	388.1	476.7	567.9
-67.5°	0.0	7.8	17.6	34.7	71.8	120.1	188.9	260.4	327.6	406.5	490.1
-70°	0.0	7.0	15.8	25.3	57.2	99.2	152.3	213.1	271.6	334.0	407.0
-72.5°	0.0	6.1	14.0	21.1	42.1	77.5	121.8	164.6	214.4	267.4	323.5
-75°	0.0	5.3	12.0	18.2	26.4	55.0	91.2	124.2	155.9	199.4	245.7
-77.5°	0.0	4.4	10.1	15.2	20.2	31.7	59.7	86.6	112.0	136.3	166.4
-80°	0.0	3.6	8.1	12.2	16.2	20.2	27.4	48.8	69.3	89.1	108.0
-82.5°	0.0	2.7	6.1	9.2	12.2	15.2	18.2	21.1	26.5	41.7	56.2
-85°	0.0	1.8	4.1	6.1	8.2	10.2	12.2	14.1	16.1	18.0	19.8
-87.5°	0.0	0.9	2.0	3.1	4.1	5.1	6.1	7.1	8.0	9.0	9.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.5	13.2	15.0	16.9	17.0	17.0	16.9	16.6	17.3	18.0	18.6
85°	23.0	26.4	36.6	46.5	51.3	54.3	55.6	55.4	64.4	74.8	86.1
82.5°	71.5	86.3	100.3	113.7	117.2	117.3	116.1	116.5	137.7	161.9	186.8
80°	127.4	146.1	170.9	192.9	202.5	207.4	209.7	209.4	236.1	271.8	309.2
77.5°	202.1	233.6	261.0	284.3	296.9	308.0	317.0	324.0	358.4	403.4	448.1
75°	287.2	321.8	356.1	386.1	407.0	422.5	437.0	460.2	505.3	557.9	603.6
72.5°	377.1	421.2	459.5	491.9	521.3	552.5	587.4	625.6	673.2	725.7	773.6
70°	473.0	521.5	561.6	600.7	640.7	687.4	739.8	791.4	844.4	902.4	958.1
67.5°	566.9	613.7	660.9	710.2	770.1	832.7	894.6	965.7	1038.3	1102.7	1160.3
65°	648.4	703.3	762.3	829.3	903.3	982.8	1065.4	1150.6	1242.8	1320.1	1390.5
62.5°	726.3	792.2	864.0	947.5	1041.8	1135.9	1241.3	1348.0	1451.7	1542.8	1627.0
60°	798.0	877.9	968.6	1071.0	1181.1	1306.2	1426.2	1547.5	1661.3	1764.5	1870.9
57.5°	867.8	968.3	1077.2	1200.1	1339.3	1479.8	1620.9	1751.4	1880.3	2005.9	2126.2
55°	941.7	1062.8	1192.4	1343.1	1500.1	1666.2	1818.2	1963.8	2105.8	2258.3	2403.3
52.5°	1023.0	1158.3	1320.4	1489.1	1670.5	1848.8	2015.7	2181.6	2353.3	2525.9	2714.6
50°	1101.4	1270.1	1447.8	1644.0	1839.9	2031.0	2222.4	2413.5	2619.1	2830.8	3044.6
47.5°	1193.1	1377.2	1587.1	1797.5	2011.5	2224.1	2437.4	2668.4	2902.0	3147.5	3384.0
45°	1285.8	1492.8	1719.0	1956.9	2188.4	2423.7	2673.2	2928.5	3202.4	3472.3	3756.9
42.5°	1373.7	1607.7	1857.0	2114.0	2371.4	2634.4	2908.7	3206.9	3506.2	3817.6	4130.3
40°	1471.1	1717.0	1991.8	2274.9	2554.3	2845.8	3159.3	3482.3	3820.9	4163.3	4502.9
37.5°	1564.7	1835.0	2123.9	2428.6	2742.1	3062.5	3402.9	3769.5	4136.8	4505.3	4879.7
35°	1652.4	1947.0	2259.9	2583.3	2915.9	3280.3	3660.7	4052.1	4450.1	4848.5	5251.3
32.5°	1742.6	2052.4	2389.7	2735.9	3102.3	3493.1	3909.8	4334.0	4757.8	5183.3	5624.2
30°	1833.0	2163.1	2515.6	2880.3	3281.0	3706.8	4154.7	4604.0	5052.3	5520.5	5990.4
27.5°	1918.4	2268.1	2639.2	3029.4	3452.2	3904.6	4380.4	4861.6	5345.0	5842.8	6344.0
25°	1997.1	2367.6	2753.9	3172.9	3621.1	4095.1	4590.6	5092.8	5622.9	6155.6	6679.0
22.5°	2073.8	2458.9	2860.2	3305.1	3774.1	4271.9	4787.9	5318.2	5872.1	6444.2	6985.8
20°	2147.6	2545.9	2963.6	3424.9	3911.1	4431.1	4967.2	5522.4	6103.6	6691.0	7273.6
17.5°	2213.2	2623.2	3059.8	3536.9	4041.9	4576.6	5128.7	5702.3	6309.3	6918.2	7535.5
15°	2270.2	2690.5	3143.2	3634.7	4157.5	4708.9	5278.7	5868.5	6491.2	7125.2	7766.9
12.5°	2318.4	2747.5	3213.4	3717.8	4255.6	4822.3	5407.5	6018.1	6657.6	7309.3	7969.7
10°	2357.7	2793.9	3270.1	3785.7	4335.7	4916.1	5513.6	6141.4	6800.0	7466.0	8140.2
7.5°	2391.0	2832.6	3315.2	3838.1	4397.5	4989.5	5596.3	6237.6	6913.5	7588.2	8277.2
5°	2415.3	2864.0	3356.6	3882.0	4451.2	5046.8	5658.9	6306.1	6996.6	7675.1	8376.5
2.5°	2429.9	2884.4	3384.8	3910.5	4493.4	5089.8	5714.5	6366.7	7057.4	7744.2	8451.2
0°	2434.8	2893.5	3399.3	3922.7	4516.7	5110.7	5745.8	6398.6	7086.7	7786.6	8498.2
-2.5°	2429.9	2884.4	3384.8	3910.5	4493.4	5089.8	5714.5	6366.7	7057.4	7744.2	8451.2
-5°	2415.3	2864.0	3356.6	3882.0	4451.2	5046.8	5658.9	6306.1	6996.6	7675.1	8376.5
-7.5°	2391.0	2832.6	3315.2	3838.1	4397.5	4989.5	5596.3	6237.6	6913.5	7588.2	8277.2
-10°	2357.7	2793.9	3270.1	3785.7	4335.7	4916.1	5513.6	6141.4	6800.0	7466.0	8140.2
-12.5°	2318.4	2747.5	3213.4	3717.8	4255.6	4822.3	5407.5	6018.1	6657.6	7309.3	7969.7
-15°	2270.2	2690.5	3143.2	3634.7	4157.5	4708.9	5278.7	5868.5	6491.2	7125.2	7766.9
-17.5°	2213.2	2623.2	3059.8	3536.9	4041.9	4576.6	5128.7	5702.3	6309.3	6918.2	7535.5
-20°	2147.6	2545.9	2963.6	3424.9	3911.1	4431.1	4967.2	5522.4	6103.6	6691.0	7273.6



REPORT NUMBER: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2073.8	2458.9	2860.2	3305.1	3774.1	4271.9	4787.9	5318.2	5872.1	6444.2	6985.8
-25°	1997.1	2367.6	2753.9	3172.9	3621.1	4095.1	4590.6	5092.8	5622.9	6155.6	6679.0
-27.5°	1918.4	2268.1	2639.2	3029.4	3452.2	3904.6	4380.4	4861.6	5345.0	5842.8	6344.0
-30°	1833.0	2163.1	2515.6	2880.3	3281.0	3706.8	4154.7	4604.0	5052.3	5520.5	5990.4
-32.5°	1742.6	2052.4	2389.7	2735.9	3102.3	3493.1	3909.8	4334.0	4757.8	5183.3	5624.2
-35°	1652.4	1947.0	2259.9	2583.3	2915.9	3280.3	3660.7	4052.1	4450.1	4848.5	5251.3
-37.5°	1564.7	1835.0	2123.9	2428.6	2742.1	3062.5	3402.9	3769.5	4136.8	4505.3	4879.7
-40°	1471.1	1717.0	1991.8	2274.9	2554.3	2845.8	3159.3	3482.3	3820.9	4163.3	4502.9
-42.5°	1373.7	1607.7	1857.0	2114.0	2371.4	2634.4	2908.7	3206.9	3506.2	3817.6	4130.3
-45°	1285.8	1492.8	1719.0	1956.9	2188.4	2423.7	2673.2	2928.5	3202.4	3472.3	3756.9
-47.5°	1193.1	1377.2	1587.1	1797.5	2011.5	2224.1	2437.4	2668.4	2902.0	3147.5	3384.0
-50°	1101.4	1270.1	1447.8	1644.0	1839.9	2031.0	2222.4	2413.5	2619.1	2830.8	3044.6
-52.5°	1023.0	1158.3	1320.4	1489.1	1670.5	1848.8	2015.7	2181.6	2353.3	2525.9	2714.6
-55°	941.7	1062.8	1192.4	1343.1	1500.1	1666.2	1818.2	1963.8	2105.8	2258.3	2403.3
-57.5°	867.8	968.3	1077.2	1200.1	1339.3	1479.8	1620.9	1751.4	1880.3	2005.9	2126.2
-60°	798.0	877.9	968.6	1071.0	1181.1	1306.2	1426.2	1547.5	1661.3	1764.5	1870.9
-62.5°	726.3	792.2	864.0	947.5	1041.8	1135.9	1241.3	1348.0	1451.7	1542.8	1627.0
-65°	648.4	703.3	762.3	829.3	903.3	982.8	1065.4	1150.6	1242.8	1320.1	1390.5
-67.5°	566.9	613.7	660.9	710.2	770.1	832.7	894.6	965.7	1038.3	1102.7	1160.3
-70°	473.0	521.5	561.6	600.7	640.7	687.4	739.8	791.4	844.4	902.4	958.1
-72.5°	377.1	421.2	459.5	491.9	521.3	552.5	587.4	625.6	673.2	725.7	773.6
-75°	287.2	321.8	356.1	386.1	407.0	422.5	437.0	460.2	505.3	557.9	603.6
-77.5°	202.1	233.6	261.0	284.3	296.9	308.0	317.0	324.0	358.4	403.4	448.1
-80°	127.4	146.1	170.9	192.9	202.5	207.4	209.7	209.4	236.1	271.8	309.2
-82.5°	71.5	86.3	100.3	113.7	117.2	117.3	116.1	116.5	137.7	161.9	186.8
-85°	23.0	26.4	36.6	46.5	51.3	54.3	55.6	55.4	64.4	74.8	86.1
-87.5°	11.5	13.2	15.0	16.9	17.0	17.0	16.9	16.6	17.3	18.0	18.6
-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: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-VWR-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°	19.2	19.8	20.3	20.8	21.3	21.7	22.1	22.4	22.7	21.5	20.2
85°	98.2	105.2	111.6	117.9	123.8	129.4	134.6	139.5	144.0	131.6	117.7
82.5°	212.1	229.1	245.3	261.4	277.4	281.5	282.7	282.2	280.0	258.0	233.7
80°	346.3	375.1	402.3	429.3	455.9	458.9	455.8	450.3	442.6	413.8	381.2
77.5°	492.7	529.0	560.8	589.9	616.4	621.4	620.7	619.3	617.1	587.8	552.3
75°	642.9	678.4	712.6	741.7	766.0	777.2	782.6	786.5	788.6	767.6	739.9
72.5°	816.9	853.8	884.0	912.3	936.2	953.5	965.9	975.4	981.8	975.4	964.1
70°	1005.7	1045.3	1078.7	1110.6	1143.0	1169.1	1188.7	1203.0	1212.0	1217.9	1222.1
67.5°	1218.4	1271.6	1318.0	1357.6	1396.9	1433.6	1463.8	1488.5	1507.6	1523.8	1536.2
65°	1458.0	1526.0	1586.2	1641.6	1692.3	1745.6	1789.4	1826.2	1855.7	1880.2	1899.8
62.5°	1709.8	1793.1	1870.5	1945.6	2019.2	2091.7	2147.3	2198.0	2243.0	2281.7	2312.5
60°	1971.5	2066.2	2170.1	2269.3	2360.5	2443.9	2526.6	2598.3	2659.7	2710.6	2751.6
57.5°	2252.9	2375.6	2496.9	2620.1	2736.4	2845.3	2947.1	3037.1	3113.0	3175.3	3227.7
55°	2556.9	2710.2	2851.0	3006.3	3156.4	3293.0	3413.3	3519.0	3610.4	3687.0	3752.0
52.5°	2891.0	3077.3	3260.3	3437.0	3607.4	3765.8	3909.8	4032.9	4142.5	4236.4	4311.2
50°	3256.7	3469.9	3681.9	3878.4	4074.2	4256.8	4421.9	4564.7	4692.2	4802.5	4889.3
47.5°	3639.1	3881.7	4118.5	4343.5	4560.1	4763.1	4941.9	5104.8	5263.6	5393.2	5495.7
45°	4036.1	4308.4	4569.5	4826.8	5065.4	5292.9	5513.4	5716.2	5879.3	6022.0	6141.9
42.5°	4438.1	4741.7	5034.2	5314.8	5577.2	5840.3	6088.4	6310.0	6496.0	6658.3	6794.5
40°	4845.2	5177.6	5499.8	5805.8	6105.8	6392.7	6661.0	6894.8	7104.5	7297.2	7457.8
37.5°	5250.2	5616.0	5973.0	6315.8	6646.0	6956.8	7246.8	7510.9	7747.6	7967.1	8145.5
35°	5657.1	6058.4	6449.2	6826.5	7187.2	7530.2	7847.6	8148.2	8427.0	8649.5	8831.9
32.5°	6062.5	6493.9	6919.2	7334.5	7729.3	8099.1	8443.0	8775.1	9062.0	9306.4	9516.2
30°	6454.7	6922.0	7385.2	7835.5	8262.0	8662.6	9043.4	9394.6	9703.1	9970.5	10205.7
27.5°	6839.5	7341.6	7838.6	8319.7	8780.7	9216.1	9631.7	10012.6	10349.2	10639.8	10887.9
25°	7203.3	7743.0	8272.7	8782.7	9275.2	9755.5	10204.2	10619.9	10979.4	11298.4	11553.3
22.5°	7550.8	8126.4	8682.9	9219.5	9746.3	10263.9	10755.2	11189.2	11570.3	11903.8	12185.9
20°	7874.6	8491.3	9060.7	9628.2	10183.2	10735.9	11263.3	11721.2	12124.5	12479.5	12790.5
17.5°	8177.2	8809.8	9409.4	10013.6	10598.5	11178.3	11714.1	12205.0	12640.0	13017.0	13342.7
15°	8433.5	9072.3	9727.1	10372.1	10988.9	11576.1	12111.4	12624.0	13107.2	13514.9	13845.1
12.5°	8640.9	9305.2	9988.4	10673.1	11325.4	11911.8	12472.3	12992.4	13499.7	13957.7	14261.3
10°	8817.7	9501.8	10207.0	10905.4	11566.4	12186.9	12796.2	13346.1	13844.7	14254.8	14593.8
7.5°	8970.6	9675.3	10391.5	11091.0	11749.8	12390.9	13018.2	13602.2	14105.5	14491.8	14794.2
5°	9083.3	9804.7	10534.8	11240.8	11908.7	12551.9	13182.1	13758.7	14250.0	14643.2	14972.9
2.5°	9164.0	9892.2	10627.4	11334.5	12017.2	12662.0	13307.9	13891.0	14366.8	14727.0	15042.8
0°	9215.7	9944.9	10685.9	11409.3	12079.7	12703.1	13397.1	13944.1	14438.1	14796.8	15126.2
-2.5°	9164.0	9892.2	10627.4	11334.5	12017.2	12662.0	13307.9	13891.0	14366.8	14727.0	15042.8
-5°	9083.3	9804.7	10534.8	11240.8	11908.7	12551.9	13182.1	13758.7	14250.0	14643.2	14972.9
-7.5°	8970.6	9675.3	10391.5	11091.0	11749.8	12390.9	13018.2	13602.2	14105.5	14491.8	14794.2
-10°	8817.7	9501.8	10207.0	10905.4	11566.4	12186.9	12796.2	13346.1	13844.7	14254.8	14593.8
-12.5°	8640.9	9305.2	9988.4	10673.1	11325.4	11911.8	12472.3	12992.4	13499.7	13957.7	14261.3
-15°	8433.5	9072.3	9727.1	10372.1	10988.9	11576.1	12111.4	12624.0	13107.2	13514.9	13845.1
-17.5°	8177.2	8809.8	9409.4	10013.6	10598.5	11178.3	11714.1	12205.0	12640.0	13017.0	13342.7
-20°	7874.6	8491.3	9060.7	9628.2	10183.2	10735.9	11263.3	11721.2	12124.5	12479.5	12790.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7550.8	8126.4	8682.9	9219.5	9746.3	10263.9	10755.2	11189.2	11570.3	11903.8	12185.9
-25°	7203.3	7743.0	8272.7	8782.7	9275.2	9755.5	10204.2	10619.9	10979.4	11298.4	11553.3
-27.5°	6839.5	7341.6	7838.6	8319.7	8780.7	9216.1	9631.7	10012.6	10349.2	10639.8	10887.9
-30°	6454.7	6922.0	7385.2	7835.5	8262.0	8662.6	9043.4	9394.6	9703.1	9970.5	10205.7
-32.5°	6062.5	6493.9	6919.2	7334.5	7729.3	8099.1	8443.0	8775.1	9062.0	9306.4	9516.2
-35°	5657.1	6058.4	6449.2	6826.5	7187.2	7530.2	7847.6	8148.2	8427.0	8649.5	8831.9
-37.5°	5250.2	5616.0	5973.0	6315.8	6646.0	6956.8	7246.8	7510.9	7747.6	7967.1	8145.5
-40°	4845.2	5177.6	5499.8	5805.8	6105.8	6392.7	6661.0	6894.8	7104.5	7297.2	7457.8
-42.5°	4438.1	4741.7	5034.2	5314.8	5577.2	5840.3	6088.4	6310.0	6496.0	6658.3	6794.5
-45°	4036.1	4308.4	4569.5	4826.8	5065.4	5292.9	5513.4	5716.2	5879.3	6022.0	6141.9
-47.5°	3639.1	3881.7	4118.5	4343.5	4560.1	4763.1	4941.9	5104.8	5263.6	5393.2	5495.7
-50°	3256.7	3469.9	3681.9	3878.4	4074.2	4256.8	4421.9	4564.7	4692.2	4802.5	4889.3
-52.5°	2891.0	3077.3	3260.3	3437.0	3607.4	3765.8	3909.8	4032.9	4142.5	4236.4	4311.2
-55°	2556.9	2710.2	2851.0	3006.3	3156.4	3293.0	3413.3	3519.0	3610.4	3687.0	3752.0
-57.5°	2252.9	2375.6	2496.9	2620.1	2736.4	2845.3	2947.1	3037.1	3113.0	3175.3	3227.7
-60°	1971.5	2066.2	2170.1	2269.3	2360.5	2443.9	2526.6	2598.3	2659.7	2710.6	2751.6
-62.5°	1709.8	1793.1	1870.5	1945.6	2019.2	2091.7	2147.3	2198.0	2243.0	2281.7	2312.5
-65°	1458.0	1526.0	1586.2	1641.6	1692.3	1745.6	1789.4	1826.2	1855.7	1880.2	1899.8
-67.5°	1218.4	1271.6	1318.0	1357.6	1396.9	1433.6	1463.8	1488.5	1507.6	1523.8	1536.2
-70°	1005.7	1045.3	1078.7	1110.6	1143.0	1169.1	1188.7	1203.0	1212.0	1217.9	1222.1
-72.5°	816.9	853.8	884.0	912.3	936.2	953.5	965.9	975.4	981.8	975.4	964.1
-75°	642.9	678.4	712.6	741.7	766.0	777.2	782.6	786.5	788.6	767.6	739.9
-77.5°	492.7	529.0	560.8	589.9	616.4	621.4	620.7	619.3	617.1	587.8	552.3
-80°	346.3	375.1	402.3	429.3	455.9	458.9	455.8	450.3	442.6	413.8	381.2
-82.5°	212.1	229.1	245.3	261.4	277.4	281.5	282.7	282.2	280.0	258.0	233.7
-85°	98.2	105.2	111.6	117.9	123.8	129.4	134.6	139.5	144.0	131.6	117.7
-87.5°	19.2	19.8	20.3	20.8	21.3	21.7	22.1	22.4	22.7	21.5	20.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-VWR-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°	18.9	17.5	17.6	17.6	17.6	17.5	18.9	20.2	21.5	22.7	22.4
85°	103.1	87.8	82.2	76.5	82.2	87.8	103.1	117.7	131.6	144.0	139.5
82.5°	208.2	181.7	173.3	164.7	173.3	181.7	208.2	233.7	258.0	280.0	282.2
80°	346.8	310.9	296.8	282.3	296.8	310.9	346.8	381.2	413.8	442.6	450.3
77.5°	514.7	475.3	458.4	441.1	458.4	475.3	514.7	552.3	587.8	617.1	619.3
75°	710.8	679.9	661.1	641.0	661.1	679.9	710.8	739.9	767.6	788.6	786.5
72.5°	951.2	936.0	922.4	905.7	922.4	936.0	951.2	964.1	975.4	981.8	975.4
70°	1223.4	1221.5	1224.0	1223.3	1224.0	1221.5	1223.4	1222.1	1217.9	1212.0	1203.0
67.5°	1542.7	1543.1	1549.7	1552.6	1549.7	1543.1	1542.7	1536.2	1523.8	1507.6	1488.5
65°	1911.9	1916.4	1914.7	1905.5	1914.7	1916.4	1911.9	1899.8	1880.2	1855.7	1826.2
62.5°	2334.4	2347.1	2354.1	2352.4	2354.1	2347.1	2334.4	2312.5	2281.7	2243.0	2198.0
60°	2782.2	2802.1	2812.2	2811.2	2812.2	2802.1	2782.2	2751.6	2710.6	2659.7	2598.3
57.5°	3266.7	3292.2	3298.2	3287.5	3298.2	3292.2	3266.7	3227.7	3175.3	3113.0	3037.1
55°	3801.1	3833.8	3846.3	3840.3	3846.3	3833.8	3801.1	3752.0	3687.0	3610.4	3519.0
52.5°	4366.1	4401.4	4413.9	4404.9	4413.9	4401.4	4366.1	4311.2	4236.4	4142.5	4032.9
50°	4953.0	4995.8	5013.0	5004.8	5013.0	4995.8	4953.0	4889.3	4802.5	4692.2	4564.7
47.5°	5576.0	5632.9	5655.0	5640.0	5655.0	5632.9	5576.0	5495.7	5393.2	5263.6	5104.8
45°	6231.5	6290.5	6313.4	6298.6	6313.4	6290.5	6231.5	6141.9	6022.0	5879.3	5716.2
42.5°	6898.7	6975.4	7007.8	6980.8	7007.8	6975.4	6898.7	6794.5	6658.3	6496.0	6310.0
40°	7577.7	7660.9	7699.3	7680.7	7699.3	7660.9	7577.7	7457.8	7297.2	7104.5	6894.8
37.5°	8274.2	8357.0	8397.6	8398.2	8397.6	8357.0	8274.2	8145.5	7967.1	7747.6	7510.9
35°	8973.2	9073.5	9130.2	9127.4	9130.2	9073.5	8973.2	8831.9	8649.5	8427.0	8148.2
32.5°	9682.0	9790.5	9848.5	9856.7	9848.5	9790.5	9682.0	9516.2	9306.4	9062.0	8775.1
30°	10389.6	10509.0	10576.1	10603.6	10576.1	10509.0	10389.6	10205.7	9970.5	9703.1	9394.6
27.5°	11075.9	11222.7	11324.1	11332.9	11324.1	11222.7	11075.9	10887.9	10639.8	10349.2	10012.6
25°	11740.5	11890.0	11993.9	12015.1	11993.9	11890.0	11740.5	11553.3	11298.4	10979.4	10619.9
22.5°	12395.5	12551.8	12647.7	12685.5	12647.7	12551.8	12395.5	12185.9	11903.8	11570.3	11189.2
20°	13020.8	13190.2	13291.9	13332.4	13291.9	13190.2	13020.8	12790.5	12479.5	12124.5	11721.2
17.5°	13586.5	13765.5	13891.1	13926.4	13891.1	13765.5	13586.5	13342.7	13017.0	12640.0	12205.0
15°	14084.3	14254.1	14373.3	14420.4	14373.3	14254.1	14084.3	13845.1	13514.9	13107.2	12624.0
12.5°	14489.5	14641.4	14734.8	14779.2	14734.8	14641.4	14489.5	14261.3	13957.7	13499.7	12992.4
10°	14806.1	14958.4	15047.7	15108.5	15047.7	14958.4	14806.1	14593.8	14254.8	13844.7	13346.1
7.5°	15080.9	15237.0	15346.1	15432.0	15346.1	15237.0	15080.9	14794.2	14491.8	14105.5	13602.2
5°	15232.6	15493.2	15532.4	15590.8	15532.4	15493.2	15232.6	14972.9	14643.2	14250.0	13758.7
2.5°	15348.3	15533.0	15644.2	15631.9	15644.2	15533.0	15348.3	15042.8	14727.0	14366.8	13891.0
0°	15432.0	15596.6	15637.8	15690.7	15637.8	15596.6	15432.0	15126.2	14796.8	14438.1	13944.1
-2.5°	15348.3	15533.0	15644.2	15631.9	15644.2	15533.0	15348.3	15042.8	14727.0	14366.8	13891.0
-5°	15232.6	15493.2	15532.4	15590.8	15532.4	15493.2	15232.6	14972.9	14643.2	14250.0	13758.7
-7.5°	15080.9	15237.0	15346.1	15432.0	15346.1	15237.0	15080.9	14794.2	14491.8	14105.5	13602.2
-10°	14806.1	14958.4	15047.7	15108.5	15047.7	14958.4	14806.1	14593.8	14254.8	13844.7	13346.1
-12.5°	14489.5	14641.4	14734.8	14779.2	14734.8	14641.4	14489.5	14261.3	13957.7	13499.7	12992.4
-15°	14084.3	14254.1	14373.3	14420.4	14373.3	14254.1	14084.3	13845.1	13514.9	13107.2	12624.0
-17.5°	13586.5	13765.5	13891.1	13926.4	13891.1	13765.5	13586.5	13342.7	13017.0	12640.0	12205.0
-20°	13020.8	13190.2	13291.9	13332.4	13291.9	13190.2	13020.8	12790.5	12479.5	12124.5	11721.2



REPORT NUMBER: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12395.5	12551.8	12647.7	12685.5	12647.7	12551.8	12395.5	12185.9	11903.8	11570.3	11189.2
-25°	11740.5	11890.0	11993.9	12015.1	11993.9	11890.0	11740.5	11553.3	11298.4	10979.4	10619.9
-27.5°	11075.9	11222.7	11324.1	11332.9	11324.1	11222.7	11075.9	10887.9	10639.8	10349.2	10012.6
-30°	10389.6	10509.0	10576.1	10603.6	10576.1	10509.0	10389.6	10205.7	9970.5	9703.1	9394.6
-32.5°	9682.0	9790.5	9848.5	9856.7	9848.5	9790.5	9682.0	9516.2	9306.4	9062.0	8775.1
-35°	8973.2	9073.5	9130.2	9127.4	9130.2	9073.5	8973.2	8831.9	8649.5	8427.0	8148.2
-37.5°	8274.2	8357.0	8397.6	8398.2	8397.6	8357.0	8274.2	8145.5	7967.1	7747.6	7510.9
-40°	7577.7	7660.9	7699.3	7680.7	7699.3	7660.9	7577.7	7457.8	7297.2	7104.5	6894.8
-42.5°	6898.7	6975.4	7007.8	6980.8	7007.8	6975.4	6898.7	6794.5	6658.3	6496.0	6310.0
-45°	6231.5	6290.5	6313.4	6298.6	6313.4	6290.5	6231.5	6141.9	6022.0	5879.3	5716.2
-47.5°	5576.0	5632.9	5655.0	5640.0	5655.0	5632.9	5576.0	5495.7	5393.2	5263.6	5104.8
-50°	4953.0	4995.8	5013.0	5004.8	5013.0	4995.8	4953.0	4889.3	4802.5	4692.2	4564.7
-52.5°	4366.1	4401.4	4413.9	4404.9	4413.9	4401.4	4366.1	4311.2	4236.4	4142.5	4032.9
-55°	3801.1	3833.8	3846.3	3840.3	3846.3	3833.8	3801.1	3752.0	3687.0	3610.4	3519.0
-57.5°	3266.7	3292.2	3298.2	3287.5	3298.2	3292.2	3266.7	3227.7	3175.3	3113.0	3037.1
-60°	2782.2	2802.1	2812.2	2811.2	2812.2	2802.1	2782.2	2751.6	2710.6	2659.7	2598.3
-62.5°	2334.4	2347.1	2354.1	2352.4	2354.1	2347.1	2334.4	2312.5	2281.7	2243.0	2198.0
-65°	1911.9	1916.4	1914.7	1905.5	1914.7	1916.4	1911.9	1899.8	1880.2	1855.7	1826.2
-67.5°	1542.7	1543.1	1549.7	1552.6	1549.7	1543.1	1542.7	1536.2	1523.8	1507.6	1488.5
-70°	1223.4	1221.5	1224.0	1223.3	1224.0	1221.5	1223.4	1222.1	1217.9	1212.0	1203.0
-72.5°	951.2	936.0	922.4	905.7	922.4	936.0	951.2	964.1	975.4	981.8	975.4
-75°	710.8	679.9	661.1	641.0	661.1	679.9	710.8	739.9	767.6	788.6	786.5
-77.5°	514.7	475.3	458.4	441.1	458.4	475.3	514.7	552.3	587.8	617.1	619.3
-80°	346.8	310.9	296.8	282.3	296.8	310.9	346.8	381.2	413.8	442.6	450.3
-82.5°	208.2	181.7	173.3	164.7	173.3	181.7	208.2	233.7	258.0	280.0	282.2
-85°	103.1	87.8	82.2	76.5	82.2	87.8	103.1	117.7	131.6	144.0	139.5
-87.5°	18.9	17.5	17.6	17.6	17.6	17.5	18.9	20.2	21.5	22.7	22.4
-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: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-730-U-VWR-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°	22.1	21.7	21.3	20.8	20.3	19.8	19.2	18.6	18.0	17.3	16.6
85°	134.6	129.4	123.8	117.9	111.6	105.2	98.2	86.1	74.8	64.4	55.4
82.5°	282.7	281.5	277.4	261.4	245.3	229.1	212.1	186.8	161.9	137.7	116.5
80°	455.8	458.9	455.9	429.3	402.3	375.1	346.3	309.2	271.8	236.1	209.4
77.5°	620.7	621.4	616.4	589.9	560.8	529.0	492.7	448.1	403.4	358.4	324.0
75°	782.6	777.2	766.0	741.7	712.6	678.4	642.9	603.6	557.9	505.3	460.2
72.5°	965.9	953.5	936.2	912.3	884.0	853.8	816.9	773.6	725.7	673.2	625.6
70°	1188.7	1169.1	1143.0	1110.6	1078.7	1045.3	1005.7	958.1	902.4	844.4	791.4
67.5°	1463.8	1433.6	1396.9	1357.6	1318.0	1271.6	1218.4	1160.3	1102.7	1038.3	965.7
65°	1789.4	1745.6	1692.3	1641.6	1586.2	1526.0	1458.0	1390.5	1320.1	1242.8	1150.6
62.5°	2147.3	2091.7	2019.2	1945.6	1870.5	1793.1	1709.8	1627.0	1542.8	1451.7	1348.0
60°	2526.6	2443.9	2360.5	2269.3	2170.1	2066.2	1971.5	1870.9	1764.5	1661.3	1547.5
57.5°	2947.1	2845.3	2736.4	2620.1	2496.9	2375.6	2252.9	2126.2	2005.9	1880.3	1751.4
55°	3413.3	3293.0	3156.4	3006.3	2851.0	2710.2	2556.9	2403.3	2258.3	2105.8	1963.8
52.5°	3909.8	3765.8	3607.4	3437.0	3260.3	3077.3	2891.0	2714.6	2525.9	2353.3	2181.6
50°	4421.9	4256.8	4074.2	3878.4	3681.9	3469.9	3256.7	3044.6	2830.8	2619.1	2413.5
47.5°	4941.9	4763.1	4560.1	4343.5	4118.5	3881.7	3639.1	3384.0	3147.5	2902.0	2668.4
45°	5513.4	5292.9	5065.4	4826.8	4569.5	4308.4	4036.1	3756.9	3472.3	3202.4	2928.5
42.5°	6088.4	5840.3	5577.2	5314.8	5034.2	4741.7	4438.1	4130.3	3817.6	3506.2	3206.9
40°	6661.0	6392.7	6105.8	5805.8	5499.8	5177.6	4845.2	4502.9	4163.3	3820.9	3482.3
37.5°	7246.8	6956.8	6646.0	6315.8	5973.0	5616.0	5250.2	4879.7	4505.3	4136.8	3769.5
35°	7847.6	7530.2	7187.2	6826.5	6449.2	6058.4	5657.1	5251.3	4848.5	4450.1	4052.1
32.5°	8443.0	8099.1	7729.3	7334.5	6919.2	6493.9	6062.5	5624.2	5183.3	4757.8	4334.0
30°	9043.4	8662.6	8262.0	7835.5	7385.2	6922.0	6454.7	5990.4	5520.5	5052.3	4604.0
27.5°	9631.7	9216.1	8780.7	8319.7	7838.6	7341.6	6839.5	6344.0	5842.8	5345.0	4861.6
25°	10204.2	9755.5	9275.2	8782.7	8272.7	7743.0	7203.3	6679.0	6155.6	5622.9	5092.8
22.5°	10755.2	10263.9	9746.3	9219.5	8682.9	8126.4	7550.8	6985.8	6444.2	5872.1	5318.2
20°	11263.3	10735.9	10183.2	9628.2	9060.7	8491.3	7874.6	7273.6	6691.0	6103.6	5522.4
17.5°	11714.1	11178.3	10598.5	10013.6	9409.4	8809.8	8177.2	7535.5	6918.2	6309.3	5702.3
15°	12111.4	11576.1	10988.9	10372.1	9727.1	9072.3	8433.5	7766.9	7125.2	6491.2	5868.5
12.5°	12472.3	11911.8	11325.4	10673.1	9988.4	9305.2	8640.9	7969.7	7309.3	6657.6	6018.1
10°	12796.2	12186.9	11566.4	10905.4	10207.0	9501.8	8817.7	8140.2	7466.0	6800.0	6141.4
7.5°	13018.2	12390.9	11749.8	11091.0	10391.5	9675.3	8970.6	8277.2	7588.2	6913.5	6237.6
5°	13182.1	12551.9	11908.7	11240.8	10534.8	9804.7	9083.3	8376.5	7675.1	6996.6	6306.1
2.5°	13307.9	12662.0	12017.2	11334.5	10627.4	9892.2	9164.0	8451.2	7744.2	7057.4	6366.7
0°	13397.1	12703.1	12079.7	11409.3	10685.9	9944.9	9215.7	8498.2	7786.6	7086.7	6398.6
-2.5°	13307.9	12662.0	12017.2	11334.5	10627.4	9892.2	9164.0	8451.2	7744.2	7057.4	6366.7
-5°	13182.1	12551.9	11908.7	11240.8	10534.8	9804.7	9083.3	8376.5	7675.1	6996.6	6306.1
-7.5°	13018.2	12390.9	11749.8	11091.0	10391.5	9675.3	8970.6	8277.2	7588.2	6913.5	6237.6
-10°	12796.2	12186.9	11566.4	10905.4	10207.0	9501.8	8817.7	8140.2	7466.0	6800.0	6141.4
-12.5°	12472.3	11911.8	11325.4	10673.1	9988.4	9305.2	8640.9	7969.7	7309.3	6657.6	6018.1
-15°	12111.4	11576.1	10988.9	10372.1	9727.1	9072.3	8433.5	7766.9	7125.2	6491.2	5868.5
-17.5°	11714.1	11178.3	10598.5	10013.6	9409.4	8809.8	8177.2	7535.5	6918.2	6309.3	5702.3
-20°	11263.3	10735.9	10183.2	9628.2	9060.7	8491.3	7874.6	7273.6	6691.0	6103.6	5522.4



REPORT NUMBER: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10755.2	10263.9	9746.3	9219.5	8682.9	8126.4	7550.8	6985.8	6444.2	5872.1	5318.2
-25°	10204.2	9755.5	9275.2	8782.7	8272.7	7743.0	7203.3	6679.0	6155.6	5622.9	5092.8
-27.5°	9631.7	9216.1	8780.7	8319.7	7838.6	7341.6	6839.5	6344.0	5842.8	5345.0	4861.6
-30°	9043.4	8662.6	8262.0	7835.5	7385.2	6922.0	6454.7	5990.4	5520.5	5052.3	4604.0
-32.5°	8443.0	8099.1	7729.3	7334.5	6919.2	6493.9	6062.5	5624.2	5183.3	4757.8	4334.0
-35°	7847.6	7530.2	7187.2	6826.5	6449.2	6058.4	5657.1	5251.3	4848.5	4450.1	4052.1
-37.5°	7246.8	6956.8	6646.0	6315.8	5973.0	5616.0	5250.2	4879.7	4505.3	4136.8	3769.5
-40°	6661.0	6392.7	6105.8	5805.8	5499.8	5177.6	4845.2	4502.9	4163.3	3820.9	3482.3
-42.5°	6088.4	5840.3	5577.2	5314.8	5034.2	4741.7	4438.1	4130.3	3817.6	3506.2	3206.9
-45°	5513.4	5292.9	5065.4	4826.8	4569.5	4308.4	4036.1	3756.9	3472.3	3202.4	2928.5
-47.5°	4941.9	4763.1	4560.1	4343.5	4118.5	3881.7	3639.1	3384.0	3147.5	2902.0	2668.4
-50°	4421.9	4256.8	4074.2	3878.4	3681.9	3469.9	3256.7	3044.6	2830.8	2619.1	2413.5
-52.5°	3909.8	3765.8	3607.4	3437.0	3260.3	3077.3	2891.0	2714.6	2525.9	2353.3	2181.6
-55°	3413.3	3293.0	3156.4	3006.3	2851.0	2710.2	2556.9	2403.3	2258.3	2105.8	1963.8
-57.5°	2947.1	2845.3	2736.4	2620.1	2496.9	2375.6	2252.9	2126.2	2005.9	1880.3	1751.4
-60°	2526.6	2443.9	2360.5	2269.3	2170.1	2066.2	1971.5	1870.9	1764.5	1661.3	1547.5
-62.5°	2147.3	2091.7	2019.2	1945.6	1870.5	1793.1	1709.8	1627.0	1542.8	1451.7	1348.0
-65°	1789.4	1745.6	1692.3	1641.6	1586.2	1526.0	1458.0	1390.5	1320.1	1242.8	1150.6
-67.5°	1463.8	1433.6	1396.9	1357.6	1318.0	1271.6	1218.4	1160.3	1102.7	1038.3	965.7
-70°	1188.7	1169.1	1143.0	1110.6	1078.7	1045.3	1005.7	958.1	902.4	844.4	791.4
-72.5°	965.9	953.5	936.2	912.3	884.0	853.8	816.9	773.6	725.7	673.2	625.6
-75°	782.6	777.2	766.0	741.7	712.6	678.4	642.9	603.6	557.9	505.3	460.2
-77.5°	620.7	621.4	616.4	589.9	560.8	529.0	492.7	448.1	403.4	358.4	324.0
-80°	455.8	458.9	455.9	429.3	402.3	375.1	346.3	309.2	271.8	236.1	209.4
-82.5°	282.7	281.5	277.4	261.4	245.3	229.1	212.1	186.8	161.9	137.7	116.5
-85°	134.6	129.4	123.8	117.9	111.6	105.2	98.2	86.1	74.8	64.4	55.4
-87.5°	22.1	21.7	21.3	20.8	20.3	19.8	19.2	18.6	18.0	17.3	16.6
-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: P627631 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-730-U-VWR-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°	16.9	17.0	17.0	16.9	15.0	13.2	11.5	9.9	9.0	8.0	7.1
85°	55.6	54.3	51.3	46.5	36.6	26.4	23.0	19.8	18.0	16.1	14.1
82.5°	116.1	117.3	117.2	113.7	100.3	86.3	71.5	56.2	41.7	26.5	21.1
80°	209.7	207.4	202.5	192.9	170.9	146.1	127.4	108.0	89.1	69.3	48.8
77.5°	317.0	308.0	296.9	284.3	261.0	233.6	202.1	166.4	136.3	112.0	86.6
75°	437.0	422.5	407.0	386.1	356.1	321.8	287.2	245.7	199.4	155.9	124.2
72.5°	587.4	552.5	521.3	491.9	459.5	421.2	377.1	323.5	267.4	214.4	164.6
70°	739.8	687.4	640.7	600.7	561.6	521.5	473.0	407.0	334.0	271.6	213.1
67.5°	894.6	832.7	770.1	710.2	660.9	613.7	566.9	490.1	406.5	327.6	260.4
65°	1065.4	982.8	903.3	829.3	762.3	703.3	648.4	567.9	476.7	388.1	306.5
62.5°	1241.3	1135.9	1041.8	947.5	864.0	792.2	726.3	637.4	543.9	446.6	354.6
60°	1426.2	1306.2	1181.1	1071.0	968.6	877.9	798.0	706.0	606.7	502.8	402.3
57.5°	1620.9	1479.8	1339.3	1200.1	1077.2	968.3	867.8	771.1	668.5	558.3	446.8
55°	1818.2	1666.2	1500.1	1343.1	1192.4	1062.8	941.7	833.5	728.2	612.9	485.3
52.5°	2015.7	1848.8	1670.5	1489.1	1320.4	1158.3	1023.0	894.3	783.1	666.1	525.2
50°	2222.4	2031.0	1839.9	1644.0	1447.8	1270.1	1101.4	964.0	836.4	716.8	563.2
47.5°	2437.4	2224.1	2011.5	1797.5	1587.1	1377.2	1193.1	1032.3	888.0	762.6	598.4
45°	2673.2	2423.7	2188.4	1956.9	1719.0	1492.8	1285.8	1097.7	946.3	798.3	631.0
42.5°	2908.7	2634.4	2371.4	2114.0	1857.0	1607.7	1373.7	1174.6	1002.2	832.4	660.9
40°	3159.3	2845.8	2554.3	2274.9	1991.8	1717.0	1471.1	1249.6	1054.5	867.9	689.2
37.5°	3402.9	3062.5	2742.1	2428.6	2123.9	1835.0	1564.7	1319.8	1104.1	907.7	716.1
35°	3660.7	3280.3	2915.9	2583.3	2259.9	1947.0	1652.4	1390.7	1161.3	946.5	741.4
32.5°	3909.8	3493.1	3102.3	2735.9	2389.7	2052.4	1742.6	1465.7	1216.2	984.2	765.1
30°	4154.7	3706.8	3281.0	2880.3	2515.6	2163.1	1833.0	1535.9	1268.7	1020.5	788.8
27.5°	4380.4	3904.6	3452.2	3029.4	2639.2	2268.1	1918.4	1600.9	1318.6	1057.9	816.3
25°	4590.6	4095.1	3621.1	3172.9	2753.9	2367.6	1997.1	1661.1	1369.3	1097.0	841.9
22.5°	4787.9	4271.9	3774.1	3305.1	2860.2	2458.9	2073.8	1725.2	1417.3	1132.9	865.3
20°	4967.2	4431.1	3911.1	3424.9	2963.6	2545.9	2147.6	1782.7	1460.3	1165.4	886.3
17.5°	5128.7	4576.6	4041.9	3536.9	3059.8	2623.2	2213.2	1833.4	1497.9	1194.5	904.8
15°	5278.7	4708.9	4157.5	3634.7	3143.2	2690.5	2270.2	1877.1	1530.2	1219.7	922.5
12.5°	5407.5	4822.3	4255.6	3717.8	3213.4	2747.5	2318.4	1913.6	1557.0	1242.5	939.2
10°	5513.6	4916.1	4335.7	3785.7	3270.1	2793.9	2357.7	1944.5	1582.2	1262.3	952.0
7.5°	5596.3	4989.5	4397.5	3838.1	3315.2	2832.6	2391.0	1971.1	1602.5	1277.4	960.9
5°	5658.9	5046.8	4451.2	3882.0	3356.6	2864.0	2415.3	1990.2	1617.2	1287.8	966.0
2.5°	5714.5	5089.8	4493.4	3910.5	3384.8	2884.4	2429.9	2001.7	1626.1	1293.4	967.2
0°	5745.8	5110.7	4516.7	3922.7	3399.3	2893.5	2434.8	2005.5	1629.1	1293.8	964.5
-2.5°	5714.5	5089.8	4493.4	3910.5	3384.8	2884.4	2429.9	2001.7	1626.1	1293.4	967.2
-5°	5658.9	5046.8	4451.2	3882.0	3356.6	2864.0	2415.3	1990.2	1617.2	1287.8	966.0
-7.5°	5596.3	4989.5	4397.5	3838.1	3315.2	2832.6	2391.0	1971.1	1602.5	1277.4	960.9
-10°	5513.6	4916.1	4335.7	3785.7	3270.1	2793.9	2357.7	1944.5	1582.2	1262.3	952.0
-12.5°	5407.5	4822.3	4255.6	3717.8	3213.4	2747.5	2318.4	1913.6	1557.0	1242.5	939.2
-15°	5278.7	4708.9	4157.5	3634.7	3143.2	2690.5	2270.2	1877.1	1530.2	1219.7	922.5
-17.5°	5128.7	4576.6	4041.9	3536.9	3059.8	2623.2	2213.2	1833.4	1497.9	1194.5	904.8
-20°	4967.2	4431.1	3911.1	3424.9	2963.6	2545.9	2147.6	1782.7	1460.3	1165.4	886.3



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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°	4787.9	4271.9	3774.1	3305.1	2860.2	2458.9	2073.8	1725.2	1417.3	1132.9	865.3
-25°	4590.6	4095.1	3621.1	3172.9	2753.9	2367.6	1997.1	1661.1	1369.3	1097.0	841.9
-27.5°	4380.4	3904.6	3452.2	3029.4	2639.2	2268.1	1918.4	1600.9	1318.6	1057.9	816.3
-30°	4154.7	3706.8	3281.0	2880.3	2515.6	2163.1	1833.0	1535.9	1268.7	1020.5	788.8
-32.5°	3909.8	3493.1	3102.3	2735.9	2389.7	2052.4	1742.6	1465.7	1216.2	984.2	765.1
-35°	3660.7	3280.3	2915.9	2583.3	2259.9	1947.0	1652.4	1390.7	1161.3	946.5	741.4
-37.5°	3402.9	3062.5	2742.1	2428.6	2123.9	1835.0	1564.7	1319.8	1104.1	907.7	716.1
-40°	3159.3	2845.8	2554.3	2274.9	1991.8	1717.0	1471.1	1249.6	1054.5	867.9	689.2
-42.5°	2908.7	2634.4	2371.4	2114.0	1857.0	1607.7	1373.7	1174.6	1002.2	832.4	660.9
-45°	2673.2	2423.7	2188.4	1956.9	1719.0	1492.8	1285.8	1097.7	946.3	798.3	631.0
-47.5°	2437.4	2224.1	2011.5	1797.5	1587.1	1377.2	1193.1	1032.3	888.0	762.6	598.4
-50°	2222.4	2031.0	1839.9	1644.0	1447.8	1270.1	1101.4	964.0	836.4	716.8	563.2
-52.5°	2015.7	1848.8	1670.5	1489.1	1320.4	1158.3	1023.0	894.3	783.1	666.1	525.2
-55°	1818.2	1666.2	1500.1	1343.1	1192.4	1062.8	941.7	833.5	728.2	612.9	485.3
-57.5°	1620.9	1479.8	1339.3	1200.1	1077.2	968.3	867.8	771.1	668.5	558.3	446.8
-60°	1426.2	1306.2	1181.1	1071.0	968.6	877.9	798.0	706.0	606.7	502.8	402.3
-62.5°	1241.3	1135.9	1041.8	947.5	864.0	792.2	726.3	637.4	543.9	446.6	354.6
-65°	1065.4	982.8	903.3	829.3	762.3	703.3	648.4	567.9	476.7	388.1	306.5
-67.5°	894.6	832.7	770.1	710.2	660.9	613.7	566.9	490.1	406.5	327.6	260.4
-70°	739.8	687.4	640.7	600.7	561.6	521.5	473.0	407.0	334.0	271.6	213.1
-72.5°	587.4	552.5	521.3	491.9	459.5	421.2	377.1	323.5	267.4	214.4	164.6
-75°	437.0	422.5	407.0	386.1	356.1	321.8	287.2	245.7	199.4	155.9	124.2
-77.5°	317.0	308.0	296.9	284.3	261.0	233.6	202.1	166.4	136.3	112.0	86.6
-80°	209.7	207.4	202.5	192.9	170.9	146.1	127.4	108.0	89.1	69.3	48.8
-82.5°	116.1	117.3	117.2	113.7	100.3	86.3	71.5	56.2	41.7	26.5	21.1
-85°	55.6	54.3	51.3	46.5	36.6	26.4	23.0	19.8	18.0	16.1	14.1
-87.5°	16.9	17.0	17.0	16.9	15.0	13.2	11.5	9.9	9.0	8.0	7.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	5.1	4.1	3.1	2.0	0.9	0.0
85°	12.2	10.2	8.2	6.1	4.1	1.8	0.0
82.5°	18.2	15.2	12.2	9.2	6.1	2.7	0.0
80°	27.4	20.2	16.2	12.2	8.1	3.6	0.0
77.5°	59.7	31.7	20.2	15.2	10.1	4.4	0.0
75°	91.2	55.0	26.4	18.2	12.0	5.3	0.0
72.5°	121.8	77.5	42.1	21.1	14.0	6.1	0.0
70°	152.3	99.2	57.2	25.3	15.8	7.0	0.0
67.5°	188.9	120.1	71.8	34.7	17.6	7.8	0.0
65°	224.0	143.4	85.8	43.7	19.4	8.6	0.0
62.5°	257.3	168.9	99.0	52.3	21.1	9.3	0.0
60°	288.6	193.1	111.3	60.5	22.7	10.1	0.0
57.5°	321.6	215.8	127.9	68.1	27.3	10.8	0.0
55°	352.9	236.9	143.6	75.3	31.7	11.5	0.0
52.5°	381.9	256.9	158.3	81.9	36.0	12.1	0.0
50°	408.4	278.2	171.8	87.9	40.2	12.8	0.0
47.5°	433.3	297.6	184.1	94.2	44.1	13.4	0.0
45°	460.9	315.2	195.1	102.3	47.8	13.9	0.0
42.5°	486.3	330.8	205.0	109.7	51.4	14.4	0.0
40°	509.3	344.4	214.8	117.3	54.7	14.9	0.0
37.5°	529.8	356.0	224.6	124.8	57.8	15.4	0.0
35°	548.0	369.4	232.9	131.8	60.7	15.8	0.0
32.5°	564.8	382.9	239.9	138.2	63.3	16.2	0.0
30°	582.3	394.3	245.6	144.1	65.8	16.5	0.0
27.5°	598.0	403.8	254.0	149.4	68.0	16.8	0.0
25°	611.8	411.4	261.9	154.2	69.9	17.1	0.0
22.5°	623.6	419.0	268.8	158.4	71.7	17.3	0.0
20°	633.4	429.4	274.8	162.0	73.1	17.5	0.0
17.5°	645.6	437.9	279.8	165.1	74.4	17.6	0.0
15°	658.3	444.5	283.9	167.6	75.4	17.7	0.0
12.5°	668.6	449.3	287.0	169.5	76.2	17.8	0.0
10°	676.5	452.3	289.1	170.8	76.7	17.8	0.0
7.5°	681.9	453.5	290.3	171.6	77.0	17.8	0.0
5°	684.6	453.0	290.5	171.8	77.1	17.8	0.0
2.5°	684.8	450.8	289.8	171.5	76.9	17.7	0.0
0°	682.2	447.0	288.2	170.6	76.5	17.6	0.0
-2.5°	684.8	450.8	289.8	171.5	76.9	17.7	0.0
-5°	684.6	453.0	290.5	171.8	77.1	17.8	0.0
-7.5°	681.9	453.5	290.3	171.6	77.0	17.8	0.0
-10°	676.5	452.3	289.1	170.8	76.7	17.8	0.0
-12.5°	668.6	449.3	287.0	169.5	76.2	17.8	0.0
-15°	658.3	444.5	283.9	167.6	75.4	17.7	0.0
-17.5°	645.6	437.9	279.8	165.1	74.4	17.6	0.0
-20°	633.4	429.4	274.8	162.0	73.1	17.5	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	623.6	419.0	268.8	158.4	71.7	17.3	0.0
-25°	611.8	411.4	261.9	154.2	69.9	17.1	0.0
-27.5°	598.0	403.8	254.0	149.4	68.0	16.8	0.0
-30°	582.3	394.3	245.6	144.1	65.8	16.5	0.0
-32.5°	564.8	382.9	239.9	138.2	63.3	16.2	0.0
-35°	548.0	369.4	232.9	131.8	60.7	15.8	0.0
-37.5°	529.8	356.0	224.6	124.8	57.8	15.4	0.0
-40°	509.3	344.4	214.8	117.3	54.7	14.9	0.0
-42.5°	486.3	330.8	205.0	109.7	51.4	14.4	0.0
-45°	460.9	315.2	195.1	102.3	47.8	13.9	0.0
-47.5°	433.3	297.6	184.1	94.2	44.1	13.4	0.0
-50°	408.4	278.2	171.8	87.9	40.2	12.8	0.0
-52.5°	381.9	256.9	158.3	81.9	36.0	12.1	0.0
-55°	352.9	236.9	143.6	75.3	31.7	11.5	0.0
-57.5°	321.6	215.8	127.9	68.1	27.3	10.8	0.0
-60°	288.6	193.1	111.3	60.5	22.7	10.1	0.0
-62.5°	257.3	168.9	99.0	52.3	21.1	9.3	0.0
-65°	224.0	143.4	85.8	43.7	19.4	8.6	0.0
-67.5°	188.9	120.1	71.8	34.7	17.6	7.8	0.0
-70°	152.3	99.2	57.2	25.3	15.8	7.0	0.0
-72.5°	121.8	77.5	42.1	21.1	14.0	6.1	0.0
-75°	91.2	55.0	26.4	18.2	12.0	5.3	0.0
-77.5°	59.7	31.7	20.2	15.2	10.1	4.4	0.0
-80°	27.4	20.2	16.2	12.2	8.1	3.6	0.0
-82.5°	18.2	15.2	12.2	9.2	6.1	2.7	0.0
-85°	12.2	10.2	8.2	6.1	4.1	1.8	0.0
-87.5°	6.1	5.1	4.1	3.1	2.0	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)