

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: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627271 (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-SA3E-730-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N72
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

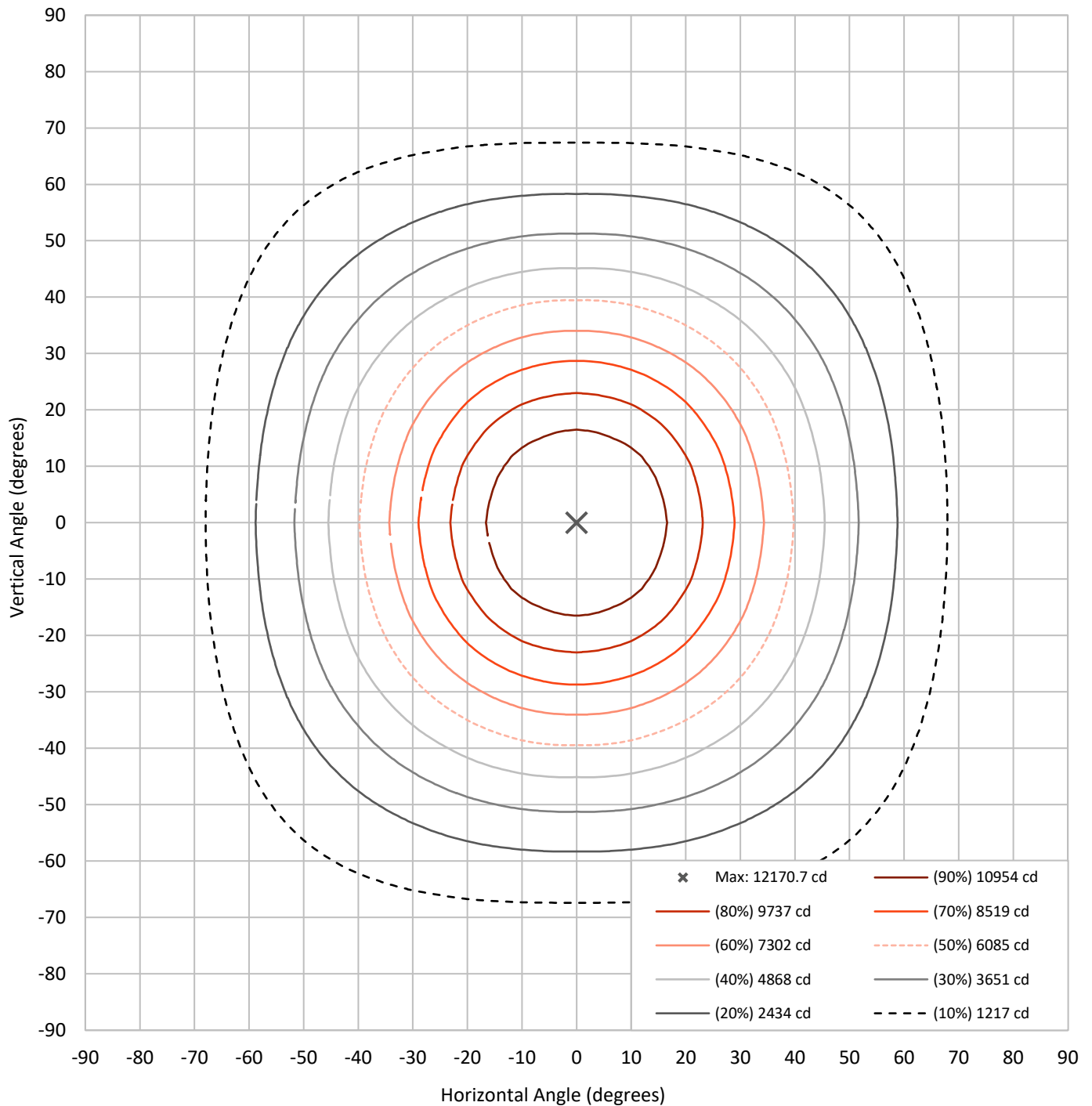
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21997.4 lumens	Max Intensity:	12170.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	118.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' 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:	12901.6 lumens	Field Lumens:	20970.8 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	185.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





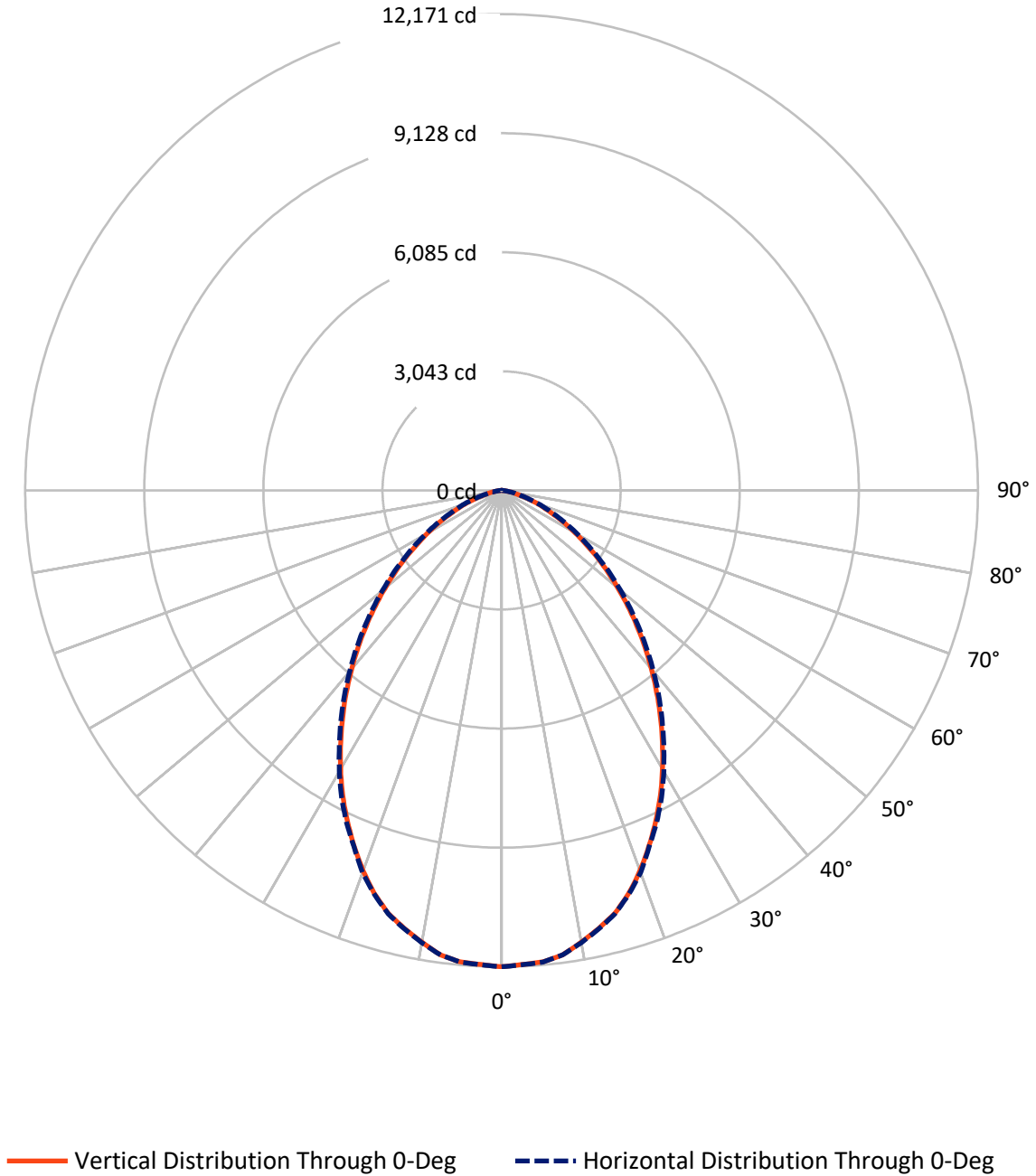
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Lumen Table

90																			
80	0.7	9.0	24.5	41.7	39.3	41.7	24.5	9.0	0.7										
70																			
60	4.1	5.6	11.4	19.4	28.4	36.7	42.9	45.9	45.9	42.9	36.7	28.4	19.4	11.4	5.6				4.1
50		8.5	18.5	33.0	50.0	67.9	82.7	90.3	90.3	82.7	67.9	50.0	33.0	18.5	8.5				
40	7.2	11.4	26.7	49.4	78.2	108.5	133.8	147.6	147.6	133.8	108.5	78.2	49.4	26.7	11.4				7.2
30		14.4	35.4	68.0	109.5	153.6	191.2	212.5	212.5	191.2	153.6	109.5	68.0	35.4	14.4				
20	9.2	17.2	43.6	85.5	139.4	198.0	249.0	278.3	278.3	249.0	198.0	139.4	85.5	43.6	17.2				9.2
10		19.4	49.9	98.6	162.8	234.0	296.7	332.4	332.4	296.7	234.0	162.8	98.6	49.9	19.4				
0	10.0	20.6	53.4	106.0	175.8	253.9	322.5	360.1	360.1	322.5	253.9	175.8	106.0	53.4	20.6				10.0
-10		20.6	53.4	106.0	175.8	253.9	322.5	360.1	360.1	322.5	253.9	175.8	106.0	53.4	20.6				
-20	9.2	19.4	49.9	98.6	162.8	234.0	296.7	332.4	332.4	296.7	234.0	162.8	98.6	49.9	19.4				9.2
-30		17.2	43.6	85.5	139.4	198.0	249.0	278.3	278.3	249.0	198.0	139.4	85.5	43.6	17.2				
-40	7.2	14.4	35.4	68.0	109.5	153.6	191.2	212.5	212.5	191.2	153.6	109.5	68.0	35.4	14.4				7.2
-50		11.4	26.7	49.4	78.2	108.5	133.8	147.6	147.6	133.8	108.5	78.2	49.4	26.7	11.4				
-60	4.1	8.5	18.5	33.0	50.0	67.9	82.7	90.3	90.3	82.7	67.9	50.0	33.0	18.5	8.5				4.1
-70		5.6	11.4	19.4	28.4	36.7	42.9	45.9	45.9	42.9	36.7	28.4	19.4	11.4	5.6				
-80	0.7	9.0	24.5	41.7	39.3	41.7	24.5	9.0	0.7										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

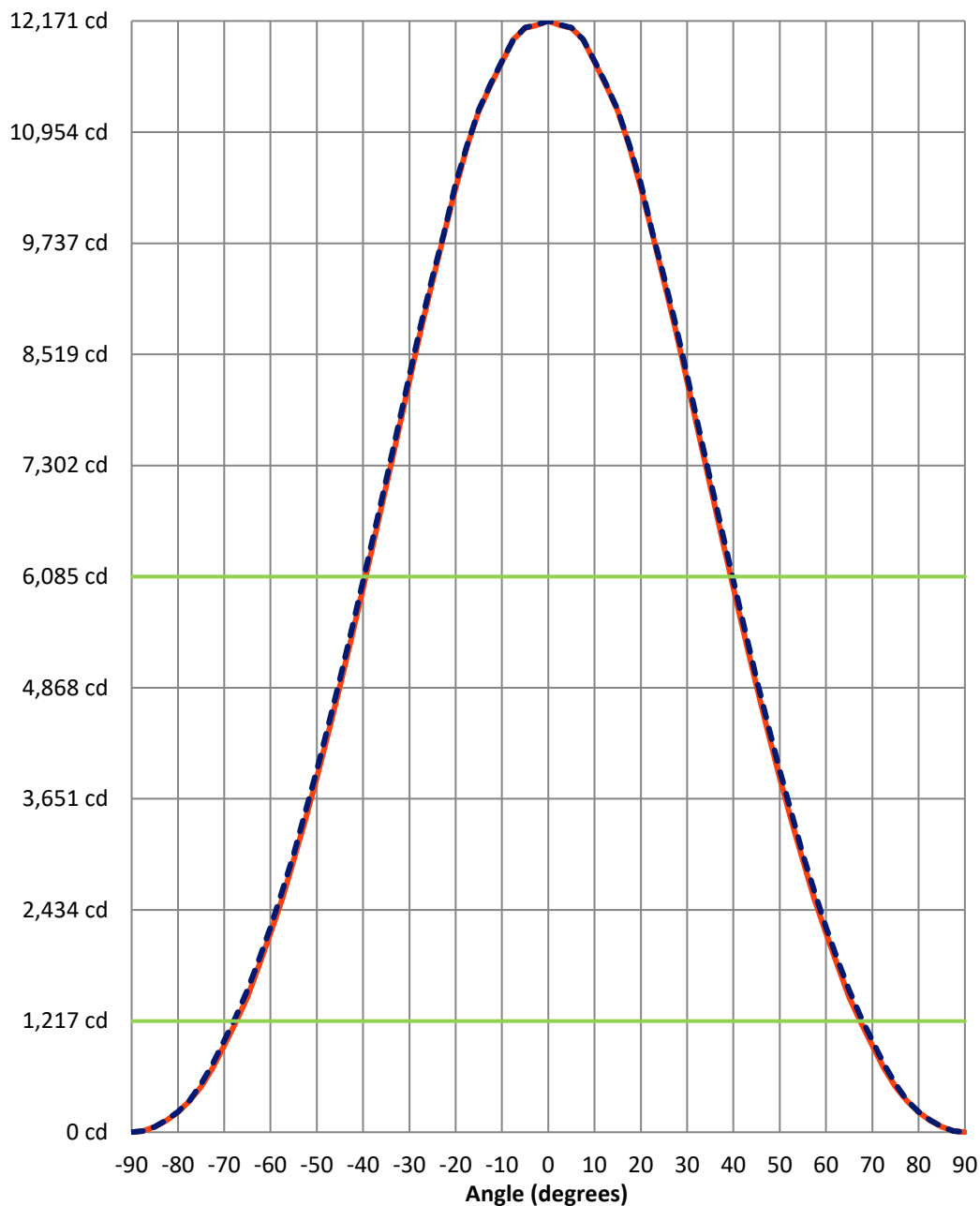
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 79.6°
V Angle: 78.9°
Lumens: 12901.6
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 20970.8
Efficiency: 95.3%

Spill:
Lumens: 1026.6
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	0.7	1.6	2.4	3.2	3.9	4.7	5.5	6.2	7.0	7.7
85°	0.0	1.4	3.2	4.7	6.3	7.9	9.4	10.9	12.4	13.9	15.4
82.5°	0.0	2.1	4.7	7.1	9.5	11.8	14.1	16.4	20.5	32.3	43.6
80°	0.0	2.8	6.3	9.5	12.6	15.7	21.2	37.8	53.8	69.1	83.8
77.5°	0.0	3.4	7.8	11.8	15.7	24.6	46.3	67.2	86.8	105.7	129.1
75°	0.0	4.1	9.3	14.1	20.4	42.6	70.7	96.4	120.9	154.7	190.6
72.5°	0.0	4.8	10.8	16.4	32.6	60.1	94.4	127.7	166.3	207.4	250.9
70°	0.0	5.4	12.3	19.6	44.4	77.0	118.1	165.3	210.7	259.1	315.7
67.5°	0.0	6.0	13.7	26.9	55.7	93.1	146.5	202.0	254.1	315.3	380.2
65°	0.0	6.7	15.0	33.9	66.5	111.2	173.7	237.7	301.0	369.8	440.5
62.5°	0.0	7.2	16.3	40.6	76.7	131.0	199.5	275.0	346.4	421.9	494.5
60°	0.0	7.8	17.6	46.9	86.4	149.8	223.8	312.0	390.0	470.6	547.7
57.5°	0.0	8.4	21.1	52.8	99.2	167.4	249.5	346.5	433.0	518.5	598.1
55°	0.0	8.9	24.6	58.4	111.4	183.7	273.7	376.4	475.3	564.8	646.5
52.5°	0.0	9.4	27.9	63.5	122.8	199.3	296.2	407.4	516.7	607.4	693.7
50°	0.0	9.9	31.1	68.2	133.2	215.8	316.8	436.8	556.0	648.8	747.8
47.5°	0.0	10.4	34.2	73.0	142.8	230.9	336.1	464.2	591.5	688.8	800.7
45°	0.0	10.8	37.1	79.4	151.4	244.5	357.5	489.4	619.2	734.1	851.4
42.5°	0.0	11.2	39.8	85.1	159.0	256.5	377.2	512.6	645.7	777.4	911.1
40°	0.0	11.6	42.4	91.0	166.6	267.1	395.0	534.6	673.2	817.9	969.3
37.5°	0.0	12.0	44.8	96.8	174.2	276.1	411.0	555.5	704.1	856.4	1023.8
35°	0.0	12.3	47.0	102.2	180.7	286.5	425.0	575.1	734.2	900.8	1078.8
32.5°	0.0	12.6	49.1	107.2	186.1	297.0	438.1	593.5	763.4	943.4	1136.9
30°	0.0	12.8	51.0	111.7	190.5	305.9	451.7	611.9	791.6	984.1	1191.3
27.5°	0.0	13.1	52.7	115.9	197.0	313.3	463.8	633.2	820.6	1022.8	1241.8
25°	0.0	13.3	54.2	119.6	203.1	319.1	474.6	653.0	850.9	1062.1	1288.5
22.5°	0.0	13.5	55.6	122.8	208.5	325.0	483.7	671.2	878.7	1099.4	1338.2
20°	0.0	13.6	56.7	125.7	213.2	333.1	491.3	687.5	904.0	1132.7	1382.7
17.5°	0.0	13.7	57.7	128.0	217.0	339.7	500.8	701.8	926.5	1161.9	1422.0
15°	0.0	13.8	58.5	130.0	220.2	344.8	510.7	715.6	946.1	1186.9	1455.9
12.5°	0.0	13.9	59.1	131.4	222.6	348.5	518.7	728.5	963.8	1207.7	1484.3
10°	0.0	13.9	59.5	132.5	224.2	350.8	524.8	738.4	979.1	1227.2	1508.2
7.5°	0.0	13.9	59.7	133.1	225.1	351.7	528.9	745.3	990.9	1243.0	1528.8
5°	0.0	13.8	59.7	133.3	225.3	351.3	531.1	749.3	999.0	1254.3	1543.6
2.5°	0.0	13.8	59.6	133.0	224.8	349.6	531.2	750.2	1003.2	1261.3	1552.5
0°	0.0	13.7	59.3	132.3	223.5	346.7	529.2	748.1	1003.6	1263.6	1555.5
-2.5°	0.0	13.8	59.6	133.0	224.8	349.6	531.2	750.2	1003.2	1261.3	1552.5
-5°	0.0	13.8	59.7	133.3	225.3	351.3	531.1	749.3	999.0	1254.3	1543.6
-7.5°	0.0	13.9	59.7	133.1	225.1	351.7	528.9	745.3	990.9	1243.0	1528.8
-10°	0.0	13.9	59.5	132.5	224.2	350.8	524.8	738.4	979.1	1227.2	1508.2
-12.5°	0.0	13.9	59.1	131.4	222.6	348.5	518.7	728.5	963.8	1207.7	1484.3
-15°	0.0	13.8	58.5	130.0	220.2	344.8	510.7	715.6	946.1	1186.9	1455.9
-17.5°	0.0	13.7	57.7	128.0	217.0	339.7	500.8	701.8	926.5	1161.9	1422.0
-20°	0.0	13.6	56.7	125.7	213.2	333.1	491.3	687.5	904.0	1132.7	1382.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.5	55.6	122.8	208.5	325.0	483.7	671.2	878.7	1099.4	1338.2
-25°	0.0	13.3	54.2	119.6	203.1	319.1	474.6	653.0	850.9	1062.1	1288.5
-27.5°	0.0	13.1	52.7	115.9	197.0	313.3	463.8	633.2	820.6	1022.8	1241.8
-30°	0.0	12.8	51.0	111.7	190.5	305.9	451.7	611.9	791.6	984.1	1191.3
-32.5°	0.0	12.6	49.1	107.2	186.1	297.0	438.1	593.5	763.4	943.4	1136.9
-35°	0.0	12.3	47.0	102.2	180.7	286.5	425.0	575.1	734.2	900.8	1078.8
-37.5°	0.0	12.0	44.8	96.8	174.2	276.1	411.0	555.5	704.1	856.4	1023.8
-40°	0.0	11.6	42.4	91.0	166.6	267.1	395.0	534.6	673.2	817.9	969.3
-42.5°	0.0	11.2	39.8	85.1	159.0	256.5	377.2	512.6	645.7	777.4	911.1
-45°	0.0	10.8	37.1	79.4	151.4	244.5	357.5	489.4	619.2	734.1	851.4
-47.5°	0.0	10.4	34.2	73.0	142.8	230.9	336.1	464.2	591.5	688.8	800.7
-50°	0.0	9.9	31.1	68.2	133.2	215.8	316.8	436.8	556.0	648.8	747.8
-52.5°	0.0	9.4	27.9	63.5	122.8	199.3	296.2	407.4	516.7	607.4	693.7
-55°	0.0	8.9	24.6	58.4	111.4	183.7	273.7	376.4	475.3	564.8	646.5
-57.5°	0.0	8.4	21.1	52.8	99.2	167.4	249.5	346.5	433.0	518.5	598.1
-60°	0.0	7.8	17.6	46.9	86.4	149.8	223.8	312.0	390.0	470.6	547.7
-62.5°	0.0	7.2	16.3	40.6	76.7	131.0	199.5	275.0	346.4	421.9	494.5
-65°	0.0	6.7	15.0	33.9	66.5	111.2	173.7	237.7	301.0	369.8	440.5
-67.5°	0.0	6.0	13.7	26.9	55.7	93.1	146.5	202.0	254.1	315.3	380.2
-70°	0.0	5.4	12.3	19.6	44.4	77.0	118.1	165.3	210.7	259.1	315.7
-72.5°	0.0	4.8	10.8	16.4	32.6	60.1	94.4	127.7	166.3	207.4	250.9
-75°	0.0	4.1	9.3	14.1	20.4	42.6	70.7	96.4	120.9	154.7	190.6
-77.5°	0.0	3.4	7.8	11.8	15.7	24.6	46.3	67.2	86.8	105.7	129.1
-80°	0.0	2.8	6.3	9.5	12.6	15.7	21.2	37.8	53.8	69.1	83.8
-82.5°	0.0	2.1	4.7	7.1	9.5	11.8	14.1	16.4	20.5	32.3	43.6
-85°	0.0	1.4	3.2	4.7	6.3	7.9	9.4	10.9	12.4	13.9	15.4
-87.5°	0.0	0.7	1.6	2.4	3.2	3.9	4.7	5.5	6.2	7.0	7.7
-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°	8.9	10.2	11.6	13.1	13.2	13.2	13.1	12.9	13.4	13.9	14.4
85°	17.8	20.4	28.4	36.1	39.8	42.1	43.1	42.9	49.9	58.0	66.8
82.5°	55.5	66.9	77.8	88.2	90.9	90.9	90.0	90.3	106.8	125.6	144.9
80°	98.8	113.3	132.5	149.6	157.0	160.9	162.6	162.4	183.1	210.8	239.8
77.5°	156.8	181.2	202.4	220.5	230.3	238.9	245.9	251.3	278.0	313.0	347.6
75°	222.8	249.6	276.3	299.5	315.7	327.7	339.0	357.0	391.9	432.7	468.2
72.5°	292.5	326.7	356.4	381.6	404.4	428.6	455.6	485.3	522.2	562.9	600.1
70°	367.0	404.5	435.6	466.0	497.0	533.3	573.9	613.8	655.0	699.9	743.2
67.5°	439.7	476.0	512.6	550.9	597.4	645.9	693.9	749.0	805.4	855.3	899.9
65°	503.0	545.5	591.3	643.3	700.7	762.3	826.4	892.4	964.0	1023.9	1078.6
62.5°	563.4	614.5	670.2	734.9	808.1	881.1	962.8	1045.6	1126.1	1196.7	1262.0
60°	619.0	681.0	751.3	830.7	916.2	1013.1	1106.2	1200.3	1288.6	1368.6	1451.2
57.5°	673.2	751.1	835.6	930.9	1038.9	1147.8	1257.3	1358.5	1458.4	1555.9	1649.2
55°	730.4	824.4	924.9	1041.8	1163.5	1292.4	1410.3	1523.3	1633.4	1751.7	1864.1
52.5°	793.5	898.5	1024.2	1155.1	1295.7	1434.0	1563.5	1692.2	1825.3	1959.2	2105.6
50°	854.3	985.2	1123.0	1275.2	1427.1	1575.4	1723.8	1872.0	2031.5	2195.7	2361.6
47.5°	925.4	1068.3	1231.0	1394.2	1560.3	1725.2	1890.6	2069.7	2250.9	2441.4	2624.9
45°	997.4	1158.0	1333.3	1517.9	1697.5	1880.0	2073.4	2271.5	2484.0	2693.4	2914.1
42.5°	1065.6	1247.1	1440.4	1639.8	1839.4	2043.4	2256.1	2487.5	2719.7	2961.2	3203.7
40°	1141.1	1331.8	1545.0	1764.6	1981.3	2207.4	2450.5	2701.1	2963.8	3229.3	3492.7
37.5°	1213.7	1423.4	1647.5	1883.8	2127.0	2375.5	2639.5	2923.9	3208.8	3494.6	3785.0
35°	1281.7	1510.2	1752.9	2003.8	2261.7	2544.3	2839.5	3143.1	3451.7	3760.8	4073.3
32.5°	1351.7	1592.0	1853.7	2122.2	2406.3	2709.5	3032.7	3361.7	3690.4	4020.5	4362.5
30°	1421.8	1677.9	1951.2	2234.1	2544.9	2875.2	3222.7	3571.1	3918.9	4282.0	4646.5
27.5°	1488.1	1759.3	2047.1	2349.8	2677.7	3028.7	3397.7	3770.9	4145.9	4532.0	4920.8
25°	1549.1	1836.5	2136.1	2461.1	2808.7	3176.4	3560.8	3950.3	4361.4	4774.7	5180.6
22.5°	1608.5	1907.3	2218.5	2563.6	2927.4	3313.5	3713.8	4125.1	4554.7	4998.5	5418.6
20°	1665.8	1974.8	2298.7	2656.6	3033.7	3437.0	3852.9	4283.5	4734.3	5190.0	5641.8
17.5°	1716.6	2034.7	2373.4	2743.4	3135.2	3549.9	3978.1	4423.0	4893.9	5366.2	5845.0
15°	1760.9	2086.9	2438.0	2819.3	3224.8	3652.5	4094.4	4552.0	5035.0	5526.8	6024.5
12.5°	1798.3	2131.1	2492.5	2883.7	3300.9	3740.5	4194.4	4668.0	5164.0	5669.6	6181.7
10°	1828.8	2167.1	2536.5	2936.4	3363.0	3813.2	4276.7	4763.7	5274.5	5791.1	6314.0
7.5°	1854.6	2197.1	2571.5	2977.0	3410.9	3870.1	4340.8	4838.3	5362.5	5885.8	6420.3
5°	1873.5	2221.5	2603.6	3011.1	3452.6	3914.6	4389.4	4891.4	5426.9	5953.3	6497.3
2.5°	1884.8	2237.3	2625.5	3033.2	3485.3	3948.0	4432.5	4938.4	5474.1	6006.8	6555.3
0°	1888.6	2244.4	2636.7	3042.7	3503.4	3964.1	4456.8	4963.2	5496.9	6039.7	6591.7
-2.5°	1884.8	2237.3	2625.5	3033.2	3485.3	3948.0	4432.5	4938.4	5474.1	6006.8	6555.3
-5°	1873.5	2221.5	2603.6	3011.1	3452.6	3914.6	4389.4	4891.4	5426.9	5953.3	6497.3
-7.5°	1854.6	2197.1	2571.5	2977.0	3410.9	3870.1	4340.8	4838.3	5362.5	5885.8	6420.3
-10°	1828.8	2167.1	2536.5	2936.4	3363.0	3813.2	4276.7	4763.7	5274.5	5791.1	6314.0
-12.5°	1798.3	2131.1	2492.5	2883.7	3300.9	3740.5	4194.4	4668.0	5164.0	5669.6	6181.7
-15°	1760.9	2086.9	2438.0	2819.3	3224.8	3652.5	4094.4	4552.0	5035.0	5526.8	6024.5
-17.5°	1716.6	2034.7	2373.4	2743.4	3135.2	3549.9	3978.1	4423.0	4893.9	5366.2	5845.0
-20°	1665.8	1974.8	2298.7	2656.6	3033.7	3437.0	3852.9	4283.5	4734.3	5190.0	5641.8



REPORT NUMBER: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	1608.5	1907.3	2218.5	2563.6	2927.4	3313.5	3713.8	4125.1	4554.7	4998.5	5418.6
-25°	1549.1	1836.5	2136.1	2461.1	2808.7	3176.4	3560.8	3950.3	4361.4	4774.7	5180.6
-27.5°	1488.1	1759.3	2047.1	2349.8	2677.7	3028.7	3397.7	3770.9	4145.9	4532.0	4920.8
-30°	1421.8	1677.9	1951.2	2234.1	2544.9	2875.2	3222.7	3571.1	3918.9	4282.0	4646.5
-32.5°	1351.7	1592.0	1853.7	2122.2	2406.3	2709.5	3032.7	3361.7	3690.4	4020.5	4362.5
-35°	1281.7	1510.2	1752.9	2003.8	2261.7	2544.3	2839.5	3143.1	3451.7	3760.8	4073.3
-37.5°	1213.7	1423.4	1647.5	1883.8	2127.0	2375.5	2639.5	2923.9	3208.8	3494.6	3785.0
-40°	1141.1	1331.8	1545.0	1764.6	1981.3	2207.4	2450.5	2701.1	2963.8	3229.3	3492.7
-42.5°	1065.6	1247.1	1440.4	1639.8	1839.4	2043.4	2256.1	2487.5	2719.7	2961.2	3203.7
-45°	997.4	1158.0	1333.3	1517.9	1697.5	1880.0	2073.4	2271.5	2484.0	2693.4	2914.1
-47.5°	925.4	1068.3	1231.0	1394.2	1560.3	1725.2	1890.6	2069.7	2250.9	2441.4	2624.9
-50°	854.3	985.2	1123.0	1275.2	1427.1	1575.4	1723.8	1872.0	2031.5	2195.7	2361.6
-52.5°	793.5	898.5	1024.2	1155.1	1295.7	1434.0	1563.5	1692.2	1825.3	1959.2	2105.6
-55°	730.4	824.4	924.9	1041.8	1163.5	1292.4	1410.3	1523.3	1633.4	1751.7	1864.1
-57.5°	673.2	751.1	835.6	930.9	1038.9	1147.8	1257.3	1358.5	1458.4	1555.9	1649.2
-60°	619.0	681.0	751.3	830.7	916.2	1013.1	1106.2	1200.3	1288.6	1368.6	1451.2
-62.5°	563.4	614.5	670.2	734.9	808.1	881.1	962.8	1045.6	1126.1	1196.7	1262.0
-65°	503.0	545.5	591.3	643.3	700.7	762.3	826.4	892.4	964.0	1023.9	1078.6
-67.5°	439.7	476.0	512.6	550.9	597.4	645.9	693.9	749.0	805.4	855.3	899.9
-70°	367.0	404.5	435.6	466.0	497.0	533.3	573.9	613.8	655.0	699.9	743.2
-72.5°	292.5	326.7	356.4	381.6	404.4	428.6	455.6	485.3	522.2	562.9	600.1
-75°	222.8	249.6	276.3	299.5	315.7	327.7	339.0	357.0	391.9	432.7	468.2
-77.5°	156.8	181.2	202.4	220.5	230.3	238.9	245.9	251.3	278.0	313.0	347.6
-80°	98.8	113.3	132.5	149.6	157.0	160.9	162.6	162.4	183.1	210.8	239.8
-82.5°	55.5	66.9	77.8	88.2	90.9	90.9	90.0	90.3	106.8	125.6	144.9
-85°	17.8	20.4	28.4	36.1	39.8	42.1	43.1	42.9	49.9	58.0	66.8
-87.5°	8.9	10.2	11.6	13.1	13.2	13.2	13.1	12.9	13.4	13.9	14.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-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°	14.9	15.3	15.8	16.1	16.5	16.8	17.1	17.4	17.6	16.7	15.7
85°	76.2	81.6	86.6	91.4	96.0	100.3	104.4	108.2	111.7	102.0	91.3
82.5°	164.5	177.7	190.3	202.8	215.2	218.4	219.3	218.9	217.1	200.1	181.3
80°	268.6	291.0	312.1	333.0	353.6	355.9	353.6	349.3	343.3	321.0	295.7
77.5°	382.2	410.4	435.0	457.6	478.1	482.0	481.4	480.4	478.7	456.0	428.4
75°	498.6	526.2	552.7	575.3	594.2	602.8	607.1	610.0	611.7	595.3	573.9
72.5°	633.6	662.3	685.7	707.7	726.2	739.6	749.2	756.5	761.5	756.5	747.8
70°	780.1	810.8	836.7	861.4	886.6	906.8	922.0	933.1	940.1	944.7	947.9
67.5°	945.0	986.3	1022.3	1053.0	1083.4	1112.0	1135.4	1154.6	1169.4	1181.9	1191.6
65°	1130.9	1183.6	1230.4	1273.3	1312.6	1354.0	1388.0	1416.5	1439.4	1458.4	1473.6
62.5°	1326.2	1390.9	1450.9	1509.1	1566.2	1622.4	1665.6	1704.8	1739.8	1769.8	1793.7
60°	1529.3	1602.7	1683.3	1760.1	1830.9	1895.6	1959.8	2015.4	2063.0	2102.4	2134.3
57.5°	1747.5	1842.6	1936.8	2032.3	2122.5	2207.0	2286.0	2355.7	2414.6	2463.0	2503.6
55°	1983.3	2102.2	2211.4	2331.9	2448.3	2554.3	2647.6	2729.6	2800.5	2859.9	2910.3
52.5°	2242.4	2387.0	2528.9	2665.9	2798.1	2921.0	3032.7	3128.2	3213.2	3286.0	3344.1
50°	2526.1	2691.4	2855.9	3008.3	3160.2	3301.8	3429.9	3540.7	3639.6	3725.1	3792.5
47.5°	2822.7	3010.9	3194.5	3369.0	3537.1	3694.6	3833.3	3959.6	4082.8	4183.3	4262.8
45°	3130.7	3341.8	3544.4	3744.0	3929.0	4105.5	4276.6	4433.8	4560.3	4671.0	4764.1
42.5°	3442.4	3678.0	3904.8	4122.5	4326.0	4530.1	4722.5	4894.5	5038.7	5164.6	5270.2
40°	3758.2	4016.1	4266.0	4503.4	4736.0	4958.5	5166.7	5348.0	5510.6	5660.2	5784.7
37.5°	4072.4	4356.1	4633.0	4899.0	5155.1	5396.2	5621.0	5825.9	6009.5	6179.8	6318.1
35°	4388.0	4699.3	5002.5	5295.1	5574.9	5840.9	6087.0	6320.2	6536.5	6709.0	6850.5
32.5°	4702.4	5037.1	5367.0	5689.1	5995.3	6282.1	6548.9	6806.5	7029.0	7218.6	7381.3
30°	5006.6	5369.1	5728.4	6077.7	6408.5	6719.2	7014.6	7287.0	7526.3	7733.7	7916.2
27.5°	5305.1	5694.6	6080.0	6453.2	6810.8	7148.6	7470.9	7766.3	8027.5	8252.9	8445.3
25°	5587.3	6005.9	6416.7	6812.4	7194.5	7567.0	7915.0	8237.3	8516.3	8763.8	8961.5
22.5°	5856.9	6303.3	6735.0	7151.2	7559.8	7961.3	8342.3	8679.0	8974.7	9233.3	9452.1
20°	6108.0	6586.3	7028.1	7468.2	7898.6	8327.4	8736.5	9091.7	9404.5	9679.8	9921.0
17.5°	6342.7	6833.4	7298.5	7767.1	8220.8	8670.6	9086.2	9466.9	9804.3	10096.8	10349.4
15°	6541.5	7037.0	7544.9	8045.2	8523.7	8979.1	9394.4	9792.0	10166.7	10483.0	10739.1
12.5°	6702.4	7217.7	7747.6	8278.7	8784.7	9239.5	9674.3	10077.6	10471.2	10826.5	11061.9
10°	6839.6	7370.2	7917.2	8458.9	8971.6	9452.9	9925.5	10352.0	10738.8	11056.8	11319.8
7.5°	6958.1	7504.7	8060.3	8602.9	9113.9	9611.1	10097.7	10550.6	10941.1	11240.7	11475.3
5°	7045.6	7605.2	8171.5	8719.0	9237.2	9736.0	10224.8	10672.0	11053.2	11358.1	11613.9
2.5°	7108.1	7673.0	8243.3	8791.6	9321.3	9821.4	10322.4	10774.7	11143.8	11423.2	11668.1
0°	7148.2	7713.9	8288.6	8849.7	9369.8	9853.3	10391.6	10815.8	11199.0	11477.3	11732.7
-2.5°	7108.1	7673.0	8243.3	8791.6	9321.3	9821.4	10322.4	10774.7	11143.8	11423.2	11668.1
-5°	7045.6	7605.2	8171.5	8719.0	9237.2	9736.0	10224.8	10672.0	11053.2	11358.1	11613.9
-7.5°	6958.1	7504.7	8060.3	8602.9	9113.9	9611.1	10097.7	10550.6	10941.1	11240.7	11475.3
-10°	6839.6	7370.2	7917.2	8458.9	8971.6	9452.9	9925.5	10352.0	10738.8	11056.8	11319.8
-12.5°	6702.4	7217.7	7747.6	8278.7	8784.7	9239.5	9674.3	10077.6	10471.2	10826.5	11061.9
-15°	6541.5	7037.0	7544.9	8045.2	8523.7	8979.1	9394.4	9792.0	10166.7	10483.0	10739.1
-17.5°	6342.7	6833.4	7298.5	7767.1	8220.8	8670.6	9086.2	9466.9	9804.3	10096.8	10349.4
-20°	6108.0	6586.3	7028.1	7468.2	7898.6	8327.4	8736.5	9091.7	9404.5	9679.8	9921.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-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°	5856.9	6303.3	6735.0	7151.2	7559.8	7961.3	8342.3	8679.0	8974.7	9233.3	9452.1
-25°	5587.3	6005.9	6416.7	6812.4	7194.5	7567.0	7915.0	8237.3	8516.3	8763.8	8961.5
-27.5°	5305.1	5694.6	6080.0	6453.2	6810.8	7148.6	7470.9	7766.3	8027.5	8252.9	8445.3
-30°	5006.6	5369.1	5728.4	6077.7	6408.5	6719.2	7014.6	7287.0	7526.3	7733.7	7916.2
-32.5°	4702.4	5037.1	5367.0	5689.1	5995.3	6282.1	6548.9	6806.5	7029.0	7218.6	7381.3
-35°	4388.0	4699.3	5002.5	5295.1	5574.9	5840.9	6087.0	6320.2	6536.5	6709.0	6850.5
-37.5°	4072.4	4356.1	4633.0	4899.0	5155.1	5396.2	5621.0	5825.9	6009.5	6179.8	6318.1
-40°	3758.2	4016.1	4266.0	4503.4	4736.0	4958.5	5166.7	5348.0	5510.6	5660.2	5784.7
-42.5°	3442.4	3678.0	3904.8	4122.5	4326.0	4530.1	4722.5	4894.5	5038.7	5164.6	5270.2
-45°	3130.7	3341.8	3544.4	3744.0	3929.0	4105.5	4276.6	4433.8	4560.3	4671.0	4764.1
-47.5°	2822.7	3010.9	3194.5	3369.0	3537.1	3694.6	3833.3	3959.6	4082.8	4183.3	4262.8
-50°	2526.1	2691.4	2855.9	3008.3	3160.2	3301.8	3429.9	3540.7	3639.6	3725.1	3792.5
-52.5°	2242.4	2387.0	2528.9	2665.9	2798.1	2921.0	3032.7	3128.2	3213.2	3286.0	3344.1
-55°	1983.3	2102.2	2211.4	2331.9	2448.3	2554.3	2647.6	2729.6	2800.5	2859.9	2910.3
-57.5°	1747.5	1842.6	1936.8	2032.3	2122.5	2207.0	2286.0	2355.7	2414.6	2463.0	2503.6
-60°	1529.3	1602.7	1683.3	1760.1	1830.9	1895.6	1959.8	2015.4	2063.0	2102.4	2134.3
-62.5°	1326.2	1390.9	1450.9	1509.1	1566.2	1622.4	1665.6	1704.8	1739.8	1769.8	1793.7
-65°	1130.9	1183.6	1230.4	1273.3	1312.6	1354.0	1388.0	1416.5	1439.4	1458.4	1473.6
-67.5°	945.0	986.3	1022.3	1053.0	1083.4	1112.0	1135.4	1154.6	1169.4	1181.9	1191.6
-70°	780.1	810.8	836.7	861.4	886.6	906.8	922.0	933.1	940.1	944.7	947.9
-72.5°	633.6	662.3	685.7	707.7	726.2	739.6	749.2	756.5	761.5	756.5	747.8
-75°	498.6	526.2	552.7	575.3	594.2	602.8	607.1	610.0	611.7	595.3	573.9
-77.5°	382.2	410.4	435.0	457.6	478.1	482.0	481.4	480.4	478.7	456.0	428.4
-80°	268.6	291.0	312.1	333.0	353.6	355.9	353.6	349.3	343.3	321.0	295.7
-82.5°	164.5	177.7	190.3	202.8	215.2	218.4	219.3	218.9	217.1	200.1	181.3
-85°	76.2	81.6	86.6	91.4	96.0	100.3	104.4	108.2	111.7	102.0	91.3
-87.5°	14.9	15.3	15.8	16.1	16.5	16.8	17.1	17.4	17.6	16.7	15.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	14.7	13.6	13.7	13.7	13.7	13.6	14.7	15.7	16.7	17.6	17.4
85°	80.0	68.1	63.8	59.3	63.8	68.1	80.0	91.3	102.0	111.7	108.2
82.5°	161.5	140.9	134.4	127.7	134.4	140.9	161.5	181.3	200.1	217.1	218.9
80°	269.0	241.2	230.2	219.0	230.2	241.2	269.0	295.7	321.0	343.3	349.3
77.5°	399.2	368.6	355.5	342.1	355.5	368.6	399.2	428.4	456.0	478.7	480.4
75°	551.4	527.4	512.8	497.2	512.8	527.4	551.4	573.9	595.3	611.7	610.0
72.5°	737.8	726.1	715.5	702.5	715.5	726.1	737.8	747.8	756.5	761.5	756.5
70°	949.0	947.5	949.4	948.8	949.4	947.5	949.0	947.9	944.7	940.1	933.1
67.5°	1196.6	1196.9	1202.0	1204.3	1202.0	1196.9	1196.6	1191.6	1181.9	1169.4	1154.6
65°	1483.0	1486.4	1485.2	1478.0	1485.2	1486.4	1483.0	1473.6	1458.4	1439.4	1416.5
62.5°	1810.7	1820.5	1826.0	1824.7	1826.0	1820.5	1810.7	1793.7	1769.8	1739.8	1704.8
60°	2158.1	2173.5	2181.3	2180.5	2181.3	2173.5	2158.1	2134.3	2102.4	2063.0	2015.4
57.5°	2533.8	2553.6	2558.3	2550.0	2558.3	2553.6	2533.8	2503.6	2463.0	2414.6	2355.7
55°	2948.4	2973.7	2983.5	2978.8	2983.5	2973.7	2948.4	2910.3	2859.9	2800.5	2729.6
52.5°	3386.6	3414.0	3423.7	3416.7	3423.7	3414.0	3386.6	3344.1	3286.0	3213.2	3128.2
50°	3841.9	3875.0	3888.4	3882.0	3888.4	3875.0	3841.9	3792.5	3725.1	3639.6	3540.7
47.5°	4325.0	4369.2	4386.4	4374.7	4386.4	4369.2	4325.0	4262.8	4183.3	4082.8	3959.6
45°	4833.5	4879.3	4897.0	4885.6	4897.0	4879.3	4833.5	4764.1	4671.0	4560.3	4433.8
42.5°	5351.1	5410.5	5435.7	5414.8	5435.7	5410.5	5351.1	5270.2	5164.6	5038.7	4894.5
40°	5877.7	5942.3	5972.0	5957.6	5972.0	5942.3	5877.7	5784.7	5660.2	5510.6	5348.0
37.5°	6418.0	6482.2	6513.7	6514.1	6513.7	6482.2	6418.0	6318.1	6179.8	6009.5	5825.9
35°	6960.2	7037.9	7081.9	7079.8	7081.9	7037.9	6960.2	6850.5	6709.0	6536.5	6320.2
32.5°	7510.0	7594.1	7639.1	7645.4	7639.1	7594.1	7510.0	7381.3	7218.6	7029.0	6806.5
30°	8058.8	8151.4	8203.5	8224.8	8203.5	8151.4	8058.8	7916.2	7733.7	7526.3	7287.0
27.5°	8591.1	8705.0	8783.6	8790.4	8783.6	8705.0	8591.1	8445.3	8252.9	8027.5	7766.3
25°	9106.6	9222.5	9303.2	9319.6	9303.2	9222.5	9106.6	8961.5	8763.8	8516.3	8237.3
22.5°	9614.7	9735.9	9810.4	9839.6	9810.4	9735.9	9614.7	9452.1	9233.3	8974.7	8679.0
20°	10099.7	10231.1	10310.0	10341.4	10310.0	10231.1	10099.7	9921.0	9679.8	9404.5	9091.7
17.5°	10538.5	10677.3	10774.8	10802.2	10774.8	10677.3	10538.5	10349.4	10096.8	9804.3	9466.9
15°	10924.7	11056.3	11148.8	11185.3	11148.8	11056.3	10924.7	10739.1	10483.0	10166.7	9792.0
12.5°	11239.0	11356.7	11429.2	11463.6	11429.2	11356.7	11239.0	11061.9	10826.5	10471.2	10077.6
10°	11484.5	11602.7	11671.8	11719.1	11671.8	11602.7	11484.5	11319.8	11056.8	10738.8	10352.0
7.5°	11697.6	11818.7	11903.4	11970.0	11903.4	11818.7	11697.6	11475.3	11240.7	10941.1	10550.6
5°	11815.3	12017.4	12047.9	12093.1	12047.9	12017.4	11815.3	11613.9	11358.1	11053.2	10672.0
2.5°	11905.1	12048.4	12134.6	12125.1	12134.6	12048.4	11905.1	11668.1	11423.2	11143.8	10774.7
0°	11970.0	12097.7	12129.6	12170.7	12129.6	12097.7	11970.0	11732.7	11477.3	11199.0	10815.8
-2.5°	11905.1	12048.4	12134.6	12125.1	12134.6	12048.4	11905.1	11668.1	11423.2	11143.8	10774.7
-5°	11815.3	12017.4	12047.9	12093.1	12047.9	12017.4	11815.3	11613.9	11358.1	11053.2	10672.0
-7.5°	11697.6	11818.7	11903.4	11970.0	11903.4	11818.7	11697.6	11475.3	11240.7	10941.1	10550.6
-10°	11484.5	11602.7	11671.8	11719.1	11671.8	11602.7	11484.5	11319.8	11056.8	10738.8	10352.0
-12.5°	11239.0	11356.7	11429.2	11463.6	11429.2	11356.7	11239.0	11061.9	10826.5	10471.2	10077.6
-15°	10924.7	11056.3	11148.8	11185.3	11148.8	11056.3	10924.7	10739.1	10483.0	10166.7	9792.0
-17.5°	10538.5	10677.3	10774.8	10802.2	10774.8	10677.3	10538.5	10349.4	10096.8	9804.3	9466.9
-20°	10099.7	10231.1	10310.0	10341.4	10310.0	10231.1	10099.7	9921.0	9679.8	9404.5	9091.7



REPORT NUMBER: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	9614.7	9735.9	9810.4	9839.6	9810.4	9735.9	9614.7	9452.1	9233.3	8974.7	8679.0
-25°	9106.6	9222.5	9303.2	9319.6	9303.2	9222.5	9106.6	8961.5	8763.8	8516.3	8237.3
-27.5°	8591.1	8705.0	8783.6	8790.4	8783.6	8705.0	8591.1	8445.3	8252.9	8027.5	7766.3
-30°	8058.8	8151.4	8203.5	8224.8	8203.5	8151.4	8058.8	7916.2	7733.7	7526.3	7287.0
-32.5°	7510.0	7594.1	7639.1	7645.4	7639.1	7594.1	7510.0	7381.3	7218.6	7029.0	6806.5
-35°	6960.2	7037.9	7081.9	7079.8	7081.9	7037.9	6960.2	6850.5	6709.0	6536.5	6320.2
-37.5°	6418.0	6482.2	6513.7	6514.1	6513.7	6482.2	6418.0	6318.1	6179.8	6009.5	5825.9
-40°	5877.7	5942.3	5972.0	5957.6	5972.0	5942.3	5877.7	5784.7	5660.2	5510.6	5348.0
-42.5°	5351.1	5410.5	5435.7	5414.8	5435.7	5410.5	5351.1	5270.2	5164.6	5038.7	4894.5
-45°	4833.5	4879.3	4897.0	4885.6	4897.0	4879.3	4833.5	4764.1	4671.0	4560.3	4433.8
-47.5°	4325.0	4369.2	4386.4	4374.7	4386.4	4369.2	4325.0	4262.8	4183.3	4082.8	3959.6
-50°	3841.9	3875.0	3888.4	3882.0	3888.4	3875.0	3841.9	3792.5	3725.1	3639.6	3540.7
-52.5°	3386.6	3414.0	3423.7	3416.7	3423.7	3414.0	3386.6	3344.1	3286.0	3213.2	3128.2
-55°	2948.4	2973.7	2983.5	2978.8	2983.5	2973.7	2948.4	2910.3	2859.9	2800.5	2729.6
-57.5°	2533.8	2553.6	2558.3	2550.0	2558.3	2553.6	2533.8	2503.6	2463.0	2414.6	2355.7
-60°	2158.1	2173.5	2181.3	2180.5	2181.3	2173.5	2158.1	2134.3	2102.4	2063.0	2015.4
-62.5°	1810.7	1820.5	1826.0	1824.7	1826.0	1820.5	1810.7	1793.7	1769.8	1739.8	1704.8
-65°	1483.0	1486.4	1485.2	1478.0	1485.2	1486.4	1483.0	1473.6	1458.4	1439.4	1416.5
-67.5°	1196.6	1196.9	1202.0	1204.3	1202.0	1196.9	1196.6	1191.6	1181.9	1169.4	1154.6
-70°	949.0	947.5	949.4	948.8	949.4	947.5	949.0	947.9	944.7	940.1	933.1
-72.5°	737.8	726.1	715.5	702.5	715.5	726.1	737.8	747.8	756.5	761.5	756.5
-75°	551.4	527.4	512.8	497.2	512.8	527.4	551.4	573.9	595.3	611.7	610.0
-77.5°	399.2	368.6	355.5	342.1	355.5	368.6	399.2	428.4	456.0	478.7	480.4
-80°	269.0	241.2	230.2	219.0	230.2	241.2	269.0	295.7	321.0	343.3	349.3
-82.5°	161.5	140.9	134.4	127.7	134.4	140.9	161.5	181.3	200.1	217.1	218.9
-85°	80.0	68.1	63.8	59.3	63.8	68.1	80.0	91.3	102.0	111.7	108.2
-87.5°	14.7	13.6	13.7	13.7	13.7	13.6	14.7	15.7	16.7	17.6	17.4
-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: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	17.1	16.8	16.5	16.1	15.8	15.3	14.9	14.4	13.9	13.4	12.9
85°	104.4	100.3	96.0	91.4	86.6	81.6	76.2	66.8	58.0	49.9	42.9
82.5°	219.3	218.4	215.2	202.8	190.3	177.7	164.5	144.9	125.6	106.8	90.3
80°	353.6	355.9	353.6	333.0	312.1	291.0	268.6	239.8	210.8	183.1	162.4
77.5°	481.4	482.0	478.1	457.6	435.0	410.4	382.2	347.6	313.0	278.0	251.3
75°	607.1	602.8	594.2	575.3	552.7	526.2	498.6	468.2	432.7	391.9	357.0
72.5°	749.2	739.6	726.2	707.7	685.7	662.3	633.6	600.1	562.9	522.2	485.3
70°	922.0	906.8	886.6	861.4	836.7	810.8	780.1	743.2	699.9	655.0	613.8
67.5°	1135.4	1112.0	1083.4	1053.0	1022.3	986.3	945.0	899.9	855.3	805.4	749.0
65°	1388.0	1354.0	1312.6	1273.3	1230.4	1183.6	1130.9	1078.6	1023.9	964.0	892.4
62.5°	1665.6	1622.4	1566.2	1509.1	1450.9	1390.9	1326.2	1262.0	1196.7	1126.1	1045.6
60°	1959.8	1895.6	1830.9	1760.1	1683.3	1602.7	1529.3	1451.2	1368.6	1288.6	1200.3
57.5°	2286.0	2207.0	2122.5	2032.3	1936.8	1842.6	1747.5	1649.2	1555.9	1458.4	1358.5
55°	2647.6	2554.3	2448.3	2331.9	2211.4	2102.2	1983.3	1864.1	1751.7	1633.4	1523.3
52.5°	3032.7	2921.0	2798.1	2665.9	2528.9	2387.0	2242.4	2105.6	1959.2	1825.3	1692.2
50°	3429.9	3301.8	3160.2	3008.3	2855.9	2691.4	2526.1	2361.6	2195.7	2031.5	1872.0
47.5°	3833.3	3694.6	3537.1	3369.0	3194.5	3010.9	2822.7	2624.9	2441.4	2250.9	2069.7
45°	4276.6	4105.5	3929.0	3744.0	3544.4	3341.8	3130.7	2914.1	2693.4	2484.0	2271.5
42.5°	4722.5	4530.1	4326.0	4122.5	3904.8	3678.0	3442.4	3203.7	2961.2	2719.7	2487.5
40°	5166.7	4958.5	4736.0	4503.4	4266.0	4016.1	3758.2	3492.7	3229.3	2963.8	2701.1
37.5°	5621.0	5396.2	5155.1	4899.0	4633.0	4356.1	4072.4	3785.0	3494.6	3208.8	2923.9
35°	6087.0	5840.9	5574.9	5295.1	5002.5	4699.3	4388.0	4073.3	3760.8	3451.7	3143.1
32.5°	6548.9	6282.1	5995.3	5689.1	5367.0	5037.1	4702.4	4362.5	4020.5	3690.4	3361.7
30°	7014.6	6719.2	6408.5	6077.7	5728.4	5369.1	5006.6	4646.5	4282.0	3918.9	3571.1
27.5°	7470.9	7148.6	6810.8	6453.2	6080.0	5694.6	5305.1	4920.8	4532.0	4145.9	3770.9
25°	7915.0	7567.0	7194.5	6812.4	6416.7	6005.9	5587.3	5180.6	4774.7	4361.4	3950.3
22.5°	8342.3	7961.3	7559.8	7151.2	6735.0	6303.3	5856.9	5418.6	4998.5	4554.7	4125.1
20°	8736.5	8327.4	7898.6	7468.2	7028.1	6586.3	6108.0	5641.8	5190.0	4734.3	4283.5
17.5°	9086.2	8670.6	8220.8	7767.1	7298.5	6833.4	6342.7	5845.0	5366.2	4893.9	4423.0
15°	9394.4	8979.1	8523.7	8045.2	7544.9	7037.0	6541.5	6024.5	5526.8	5035.0	4552.0
12.5°	9674.3	9239.5	8784.7	8278.7	7747.6	7217.7	6702.4	6181.7	5669.6	5164.0	4668.0
10°	9925.5	9452.9	8971.6	8458.9	7917.2	7370.2	6839.6	6314.0	5791.1	5274.5	4763.7
7.5°	10097.7	9611.1	9113.9	8602.9	8060.3	7504.7	6958.1	6420.3	5885.8	5362.5	4838.3
5°	10224.8	9736.0	9237.2	8719.0	8171.5	7605.2	7045.6	6497.3	5953.3	5426.9	4891.4
2.5°	10322.4	9821.4	9321.3	8791.6	8243.3	7673.0	7108.1	6555.3	6006.8	5474.1	4938.4
0°	10391.6	9853.3	9369.8	8849.7	8288.6	7713.9	7148.2	6591.7	6039.7	5496.9	4963.2
-2.5°	10322.4	9821.4	9321.3	8791.6	8243.3	7673.0	7108.1	6555.3	6006.8	5474.1	4938.4
-5°	10224.8	9736.0	9237.2	8719.0	8171.5	7605.2	7045.6	6497.3	5953.3	5426.9	4891.4
-7.5°	10097.7	9611.1	9113.9	8602.9	8060.3	7504.7	6958.1	6420.3	5885.8	5362.5	4838.3
-10°	9925.5	9452.9	8971.6	8458.9	7917.2	7370.2	6839.6	6314.0	5791.1	5274.5	4763.7
-12.5°	9674.3	9239.5	8784.7	8278.7	7747.6	7217.7	6702.4	6181.7	5669.6	5164.0	4668.0
-15°	9394.4	8979.1	8523.7	8045.2	7544.9	7037.0	6541.5	6024.5	5526.8	5035.0	4552.0
-17.5°	9086.2	8670.6	8220.8	7767.1	7298.5	6833.4	6342.7	5845.0	5366.2	4893.9	4423.0
-20°	8736.5	8327.4	7898.6	7468.2	7028.1	6586.3	6108.0	5641.8	5190.0	4734.3	4283.5



REPORT NUMBER: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	8342.3	7961.3	7559.8	7151.2	6735.0	6303.3	5856.9	5418.6	4998.5	4554.7	4125.1
-25°	7915.0	7567.0	7194.5	6812.4	6416.7	6005.9	5587.3	5180.6	4774.7	4361.4	3950.3
-27.5°	7470.9	7148.6	6810.8	6453.2	6080.0	5694.6	5305.1	4920.8	4532.0	4145.9	3770.9
-30°	7014.6	6719.2	6408.5	6077.7	5728.4	5369.1	5006.6	4646.5	4282.0	3918.9	3571.1
-32.5°	6548.9	6282.1	5995.3	5689.1	5367.0	5037.1	4702.4	4362.5	4020.5	3690.4	3361.7
-35°	6087.0	5840.9	5574.9	5295.1	5002.5	4699.3	4388.0	4073.3	3760.8	3451.7	3143.1
-37.5°	5621.0	5396.2	5155.1	4899.0	4633.0	4356.1	4072.4	3785.0	3494.6	3208.8	2923.9
-40°	5166.7	4958.5	4736.0	4503.4	4266.0	4016.1	3758.2	3492.7	3229.3	2963.8	2701.1
-42.5°	4722.5	4530.1	4326.0	4122.5	3904.8	3678.0	3442.4	3203.7	2961.2	2719.7	2487.5
-45°	4276.6	4105.5	3929.0	3744.0	3544.4	3341.8	3130.7	2914.1	2693.4	2484.0	2271.5
-47.5°	3833.3	3694.6	3537.1	3369.0	3194.5	3010.9	2822.7	2624.9	2441.4	2250.9	2069.7
-50°	3429.9	3301.8	3160.2	3008.3	2855.9	2691.4	2526.1	2361.6	2195.7	2031.5	1872.0
-52.5°	3032.7	2921.0	2798.1	2665.9	2528.9	2387.0	2242.4	2105.6	1959.2	1825.3	1692.2
-55°	2647.6	2554.3	2448.3	2331.9	2211.4	2102.2	1983.3	1864.1	1751.7	1633.4	1523.3
-57.5°	2286.0	2207.0	2122.5	2032.3	1936.8	1842.6	1747.5	1649.2	1555.9	1458.4	1358.5
-60°	1959.8	1895.6	1830.9	1760.1	1683.3	1602.7	1529.3	1451.2	1368.6	1288.6	1200.3
-62.5°	1665.6	1622.4	1566.2	1509.1	1450.9	1390.9	1326.2	1262.0	1196.7	1126.1	1045.6
-65°	1388.0	1354.0	1312.6	1273.3	1230.4	1183.6	1130.9	1078.6	1023.9	964.0	892.4
-67.5°	1135.4	1112.0	1083.4	1053.0	1022.3	986.3	945.0	899.9	855.3	805.4	749.0
-70°	922.0	906.8	886.6	861.4	836.7	810.8	780.1	743.2	699.9	655.0	613.8
-72.5°	749.2	739.6	726.2	707.7	685.7	662.3	633.6	600.1	562.9	522.2	485.3
-75°	607.1	602.8	594.2	575.3	552.7	526.2	498.6	468.2	432.7	391.9	357.0
-77.5°	481.4	482.0	478.1	457.6	435.0	410.4	382.2	347.6	313.0	278.0	251.3
-80°	353.6	355.9	353.6	333.0	312.1	291.0	268.6	239.8	210.8	183.1	162.4
-82.5°	219.3	218.4	215.2	202.8	190.3	177.7	164.5	144.9	125.6	106.8	90.3
-85°	104.4	100.3	96.0	91.4	86.6	81.6	76.2	66.8	58.0	49.9	42.9
-87.5°	17.1	16.8	16.5	16.1	15.8	15.3	14.9	14.4	13.9	13.4	12.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627271 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-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°	13.1	13.2	13.2	13.1	11.6	10.2	8.9	7.7	7.0	6.2	5.5
85°	43.1	42.1	39.8	36.1	28.4	20.4	17.8	15.4	13.9	12.4	10.9
82.5°	90.0	90.9	90.9	88.2	77.8	66.9	55.5	43.6	32.3	20.5	16.4
80°	162.6	160.9	157.0	149.6	132.5	113.3	98.8	83.8	69.1	53.8	37.8
77.5°	245.9	238.9	230.3	220.5	202.4	181.2	156.8	129.1	105.7	86.8	67.2
75°	339.0	327.7	315.7	299.5	276.3	249.6	222.8	190.6	154.7	120.9	96.4
72.5°	455.6	428.6	404.4	381.6	356.4	326.7	292.5	250.9	207.4	166.3	127.7
70°	573.9	533.3	497.0	466.0	435.6	404.5	367.0	315.7	259.1	210.7	165.3
67.5°	693.9	645.9	597.4	550.9	512.6	476.0	439.7	380.2	315.3	254.1	202.0
65°	826.4	762.3	700.7	643.3	591.3	545.5	503.0	440.5	369.8	301.0	237.7
62.5°	962.8	881.1	808.1	734.9	670.2	614.5	563.4	494.5	421.9	346.4	275.0
60°	1106.2	1013.1	916.2	830.7	751.3	681.0	619.0	547.7	470.6	390.0	312.0
57.5°	1257.3	1147.8	1038.9	930.9	835.6	751.1	673.2	598.1	518.5	433.0	346.5
55°	1410.3	1292.4	1163.5	1041.8	924.9	824.4	730.4	646.5	564.8	475.3	376.4
52.5°	1563.5	1434.0	1295.7	1155.1	1024.2	898.5	793.5	693.7	607.4	516.7	407.4
50°	1723.8	1575.4	1427.1	1275.2	1123.0	985.2	854.3	747.8	648.8	556.0	436.8
47.5°	1890.6	1725.2	1560.3	1394.2	1231.0	1068.3	925.4	800.7	688.8	591.5	464.2
45°	2073.4	1880.0	1697.5	1517.9	1333.3	1158.0	997.4	851.4	734.1	619.2	489.4
42.5°	2256.1	2043.4	1839.4	1639.8	1440.4	1247.1	1065.6	911.1	777.4	645.7	512.6
40°	2450.5	2207.4	1981.3	1764.6	1545.0	1331.8	1141.1	969.3	817.9	673.2	534.6
37.5°	2639.5	2375.5	2127.0	1883.8	1647.5	1423.4	1213.7	1023.8	856.4	704.1	555.5
35°	2839.5	2544.3	2261.7	2003.8	1752.9	1510.2	1281.7	1078.8	900.8	734.2	575.1
32.5°	3032.7	2709.5	2406.3	2122.2	1853.7	1592.0	1351.7	1136.9	943.4	763.4	593.5
30°	3222.7	2875.2	2544.9	2234.1	1951.2	1677.9	1421.8	1191.3	984.1	791.6	611.9
27.5°	3397.7	3028.7	2677.7	2349.8	2047.1	1759.3	1488.1	1241.8	1022.8	820.6	633.2
25°	3560.8	3176.4	2808.7	2461.1	2136.1	1836.5	1549.1	1288.5	1062.1	850.9	653.0
22.5°	3713.8	3313.5	2927.4	2563.6	2218.5	1907.3	1608.5	1338.2	1099.4	878.7	671.2
20°	3852.9	3437.0	3033.7	2656.6	2298.7	1974.8	1665.8	1382.7	1132.7	904.0	687.5
17.5°	3978.1	3549.9	3135.2	2743.4	2373.4	2034.7	1716.6	1422.0	1161.9	926.5	701.8
15°	4094.4	3652.5	3224.8	2819.3	2438.0	2086.9	1760.9	1455.9	1186.9	946.1	715.6
12.5°	4194.4	3740.5	3300.9	2883.7	2492.5	2131.1	1798.3	1484.3	1207.7	963.8	728.5
10°	4276.7	3813.2	3363.0	2936.4	2536.5	2167.1	1828.8	1508.2	1227.2	979.1	738.4
7.5°	4340.8	3870.1	3410.9	2977.0	2571.5	2197.1	1854.6	1528.8	1243.0	990.9	745.3
5°	4389.4	3914.6	3452.6	3011.1	2603.6	2221.5	1873.5	1543.6	1254.3	999.0	749.3
2.5°	4432.5	3948.0	3485.3	3033.2	2625.5	2237.3	1884.8	1552.5	1261.3	1003.2	750.2
0°	4456.8	3964.1	3503.4	3042.7	2636.7	2244.4	1888.6	1555.5	1263.6	1003.6	748.1
-2.5°	4432.5	3948.0	3485.3	3033.2	2625.5	2237.3	1884.8	1552.5	1261.3	1003.2	750.2
-5°	4389.4	3914.6	3452.6	3011.1	2603.6	2221.5	1873.5	1543.6	1254.3	999.0	749.3
-7.5°	4340.8	3870.1	3410.9	2977.0	2571.5	2197.1	1854.6	1528.8	1243.0	990.9	745.3
-10°	4276.7	3813.2	3363.0	2936.4	2536.5	2167.1	1828.8	1508.2	1227.2	979.1	738.4
-12.5°	4194.4	3740.5	3300.9	2883.7	2492.5	2131.1	1798.3	1484.3	1207.7	963.8	728.5
-15°	4094.4	3652.5	3224.8	2819.3	2438.0	2086.9	1760.9	1455.9	1186.9	946.1	715.6
-17.5°	3978.1	3549.9	3135.2	2743.4	2373.4	2034.7	1716.6	1422.0	1161.9	926.5	701.8
-20°	3852.9	3437.0	3033.7	2656.6	2298.7	1974.8	1665.8	1382.7	1132.7	904.0	687.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3713.8	3313.5	2927.4	2563.6	2218.5	1907.3	1608.5	1338.2	1099.4	878.7	671.2
-25°	3560.8	3176.4	2808.7	2461.1	2136.1	1836.5	1549.1	1288.5	1062.1	850.9	653.0
-27.5°	3397.7	3028.7	2677.7	2349.8	2047.1	1759.3	1488.1	1241.8	1022.8	820.6	633.2
-30°	3222.7	2875.2	2544.9	2234.1	1951.2	1677.9	1421.8	1191.3	984.1	791.6	611.9
-32.5°	3032.7	2709.5	2406.3	2122.2	1853.7	1592.0	1351.7	1136.9	943.4	763.4	593.5
-35°	2839.5	2544.3	2261.7	2003.8	1752.9	1510.2	1281.7	1078.8	900.8	734.2	575.1
-37.5°	2639.5	2375.5	2127.0	1883.8	1647.5	1423.4	1213.7	1023.8	856.4	704.1	555.5
-40°	2450.5	2207.4	1981.3	1764.6	1545.0	1331.8	1141.1	969.3	817.9	673.2	534.6
-42.5°	2256.1	2043.4	1839.4	1639.8	1440.4	1247.1	1065.6	911.1	777.4	645.7	512.6
-45°	2073.4	1880.0	1697.5	1517.9	1333.3	1158.0	997.4	851.4	734.1	619.2	489.4
-47.5°	1890.6	1725.2	1560.3	1394.2	1231.0	1068.3	925.4	800.7	688.8	591.5	464.2
-50°	1723.8	1575.4	1427.1	1275.2	1123.0	985.2	854.3	747.8	648.8	556.0	436.8
-52.5°	1563.5	1434.0	1295.7	1155.1	1024.2	898.5	793.5	693.7	607.4	516.7	407.4
-55°	1410.3	1292.4	1163.5	1041.8	924.9	824.4	730.4	646.5	564.8	475.3	376.4
-57.5°	1257.3	1147.8	1038.9	930.9	835.6	751.1	673.2	598.1	518.5	433.0	346.5
-60°	1106.2	1013.1	916.2	830.7	751.3	681.0	619.0	547.7	470.6	390.0	312.0
-62.5°	962.8	881.1	808.1	734.9	670.2	614.5	563.4	494.5	421.9	346.4	275.0
-65°	826.4	762.3	700.7	643.3	591.3	545.5	503.0	440.5	369.8	301.0	237.7
-67.5°	693.9	645.9	597.4	550.9	512.6	476.0	439.7	380.2	315.3	254.1	202.0
-70°	573.9	533.3	497.0	466.0	435.6	404.5	367.0	315.7	259.1	210.7	165.3
-72.5°	455.6	428.6	404.4	381.6	356.4	326.7	292.5	250.9	207.4	166.3	127.7
-75°	339.0	327.7	315.7	299.5	276.3	249.6	222.8	190.6	154.7	120.9	96.4
-77.5°	245.9	238.9	230.3	220.5	202.4	181.2	156.8	129.1	105.7	86.8	67.2
-80°	162.6	160.9	157.0	149.6	132.5	113.3	98.8	83.8	69.1	53.8	37.8
-82.5°	90.0	90.9	90.9	88.2	77.8	66.9	55.5	43.6	32.3	20.5	16.4
-85°	43.1	42.1	39.8	36.1	28.4	20.4	17.8	15.4	13.9	12.4	10.9
-87.5°	13.1	13.2	13.2	13.1	11.6	10.2	8.9	7.7	7.0	6.2	5.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	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°	4.7	3.9	3.2	2.4	1.6	0.7	0.0
85°	9.4	7.9	6.3	4.7	3.2	1.4	0.0
82.5°	14.1	11.8	9.5	7.1	4.7	2.1	0.0
80°	21.2	15.7	12.6	9.5	6.3	2.8	0.0
77.5°	46.3	24.6	15.7	11.8	7.8	3.4	0.0
75°	70.7	42.6	20.4	14.1	9.3	4.1	0.0
72.5°	94.4	60.1	32.6	16.4	10.8	4.8	0.0
70°	118.1	77.0	44.4	19.6	12.3	5.4	0.0
67.5°	146.5	93.1	55.7	26.9	13.7	6.0	0.0
65°	173.7	111.2	66.5	33.9	15.0	6.7	0.0
62.5°	199.5	131.0	76.7	40.6	16.3	7.2	0.0
60°	223.8	149.8	86.4	46.9	17.6	7.8	0.0
57.5°	249.5	167.4	99.2	52.8	21.1	8.4	0.0
55°	273.7	183.7	111.4	58.4	24.6	8.9	0.0
52.5°	296.2	199.3	122.8	63.5	27.9	9.4	0.0
50°	316.8	215.8	133.2	68.2	31.1	9.9	0.0
47.5°	336.1	230.9	142.8	73.0	34.2	10.4	0.0
45°	357.5	244.5	151.4	79.4	37.1	10.8	0.0
42.5°	377.2	256.5	159.0	85.1	39.8	11.2	0.0
40°	395.0	267.1	166.6	91.0	42.4	11.6	0.0
37.5°	411.0	276.1	174.2	96.8	44.8	12.0	0.0
35°	425.0	286.5	180.7	102.2	47.0	12.3	0.0
32.5°	438.1	297.0	186.1	107.2	49.1	12.6	0.0
30°	451.7	305.9	190.5	111.7	51.0	12.8	0.0
27.5°	463.8	313.3	197.0	115.9	52.7	13.1	0.0
25°	474.6	319.1	203.1	119.6	54.2	13.3	0.0
22.5°	483.7	325.0	208.5	122.8	55.6	13.5	0.0
20°	491.3	333.1	213.2	125.7	56.7	13.6	0.0
17.5°	500.8	339.7	217.0	128.0	57.7	13.7	0.0
15°	510.7	344.8	220.2	130.0	58.5	13.8	0.0
12.5°	518.7	348.5	222.6	131.4	59.1	13.9	0.0
10°	524.8	350.8	224.2	132.5	59.5	13.9	0.0
7.5°	528.9	351.7	225.1	133.1	59.7	13.9	0.0
5°	531.1	351.3	225.3	133.3	59.7	13.8	0.0
2.5°	531.2	349.6	224.8	133.0	59.6	13.8	0.0
0°	529.2	346.7	223.5	132.3	59.3	13.7	0.0
-2.5°	531.2	349.6	224.8	133.0	59.6	13.8	0.0
-5°	531.1	351.3	225.3	133.3	59.7	13.8	0.0
-7.5°	528.9	351.7	225.1	133.1	59.7	13.9	0.0
-10°	524.8	350.8	224.2	132.5	59.5	13.9	0.0
-12.5°	518.7	348.5	222.6	131.4	59.1	13.9	0.0
-15°	510.7	344.8	220.2	130.0	58.5	13.8	0.0
-17.5°	500.8	339.7	217.0	128.0	57.7	13.7	0.0
-20°	491.3	333.1	213.2	125.7	56.7	13.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	483.7	325.0	208.5	122.8	55.6	13.5	0.0
-25°	474.6	319.1	203.1	119.6	54.2	13.3	0.0
-27.5°	463.8	313.3	197.0	115.9	52.7	13.1	0.0
-30°	451.7	305.9	190.5	111.7	51.0	12.8	0.0
-32.5°	438.1	297.0	186.1	107.2	49.1	12.6	0.0
-35°	425.0	286.5	180.7	102.2	47.0	12.3	0.0
-37.5°	411.0	276.1	174.2	96.8	44.8	12.0	0.0
-40°	395.0	267.1	166.6	91.0	42.4	11.6	0.0
-42.5°	377.2	256.5	159.0	85.1	39.8	11.2	0.0
-45°	357.5	244.5	151.4	79.4	37.1	10.8	0.0
-47.5°	336.1	230.9	142.8	73.0	34.2	10.4	0.0
-50°	316.8	215.8	133.2	68.2	31.1	9.9	0.0
-52.5°	296.2	199.3	122.8	63.5	27.9	9.4	0.0
-55°	273.7	183.7	111.4	58.4	24.6	8.9	0.0
-57.5°	249.5	167.4	99.2	52.8	21.1	8.4	0.0
-60°	223.8	149.8	86.4	46.9	17.6	7.8	0.0
-62.5°	199.5	131.0	76.7	40.6	16.3	7.2	0.0
-65°	173.7	111.2	66.5	33.9	15.0	6.7	0.0
-67.5°	146.5	93.1	55.7	26.9	13.7	6.0	0.0
-70°	118.1	77.0	44.4	19.6	12.3	5.4	0.0
-72.5°	94.4	60.1	32.6	16.4	10.8	4.8	0.0
-75°	70.7	42.6	20.4	14.1	9.3	4.1	0.0
-77.5°	46.3	24.6	15.7	11.8	7.8	3.4	0.0
-80°	21.2	15.7	12.6	9.5	6.3	2.8	0.0
-82.5°	14.1	11.8	9.5	7.1	4.7	2.1	0.0
-85°	9.4	7.9	6.3	4.7	3.2	1.4	0.0
-87.5°	4.7	3.9	3.2	2.4	1.6	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)