

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: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3C-730-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627151 (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-SA3C-730-U-VWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N70  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

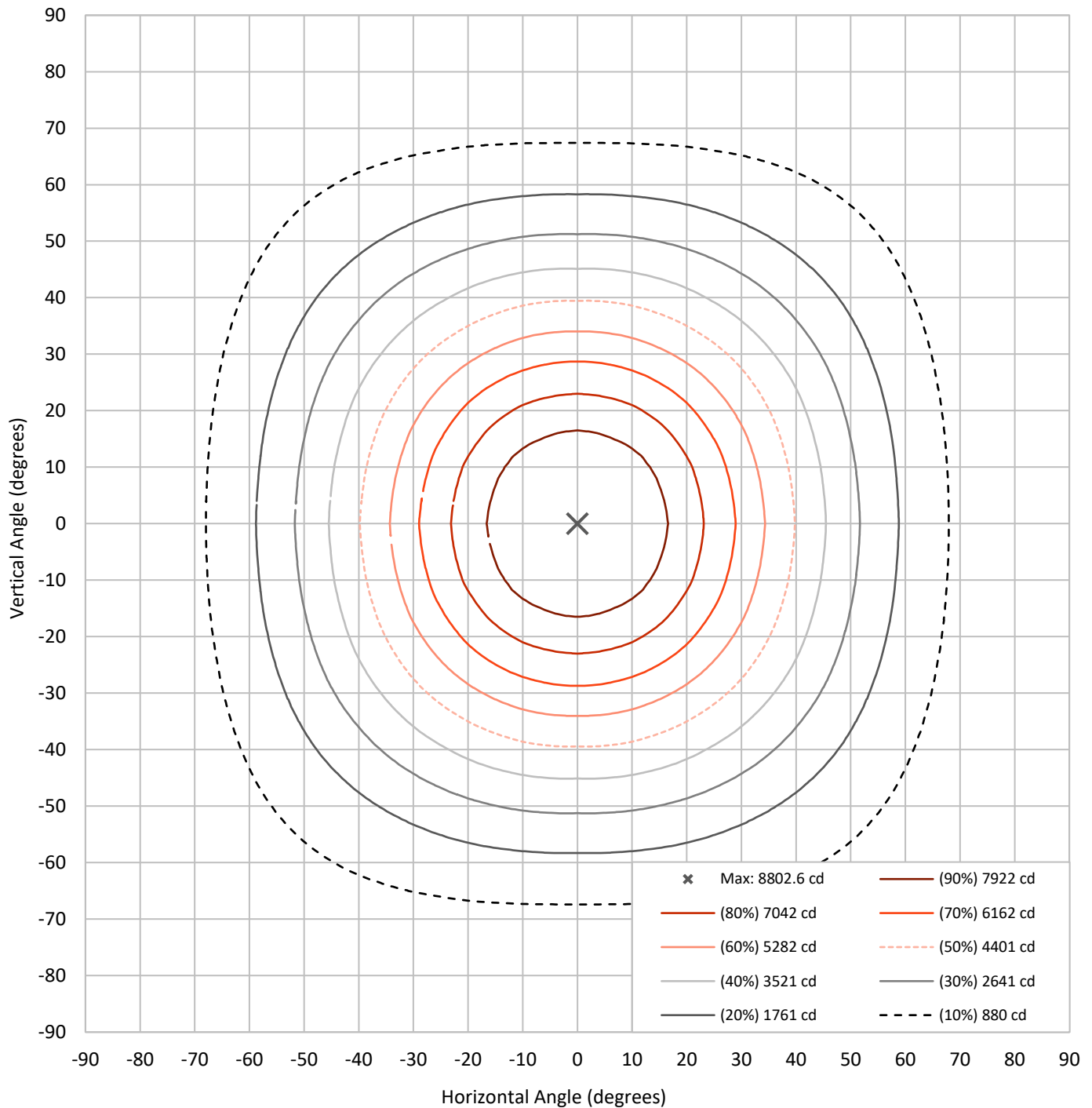
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	15910 lumens	Max Intensity:	8802.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.7 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:	9331.3 lumens	Field Lumens:	15167.5 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	121.7		
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





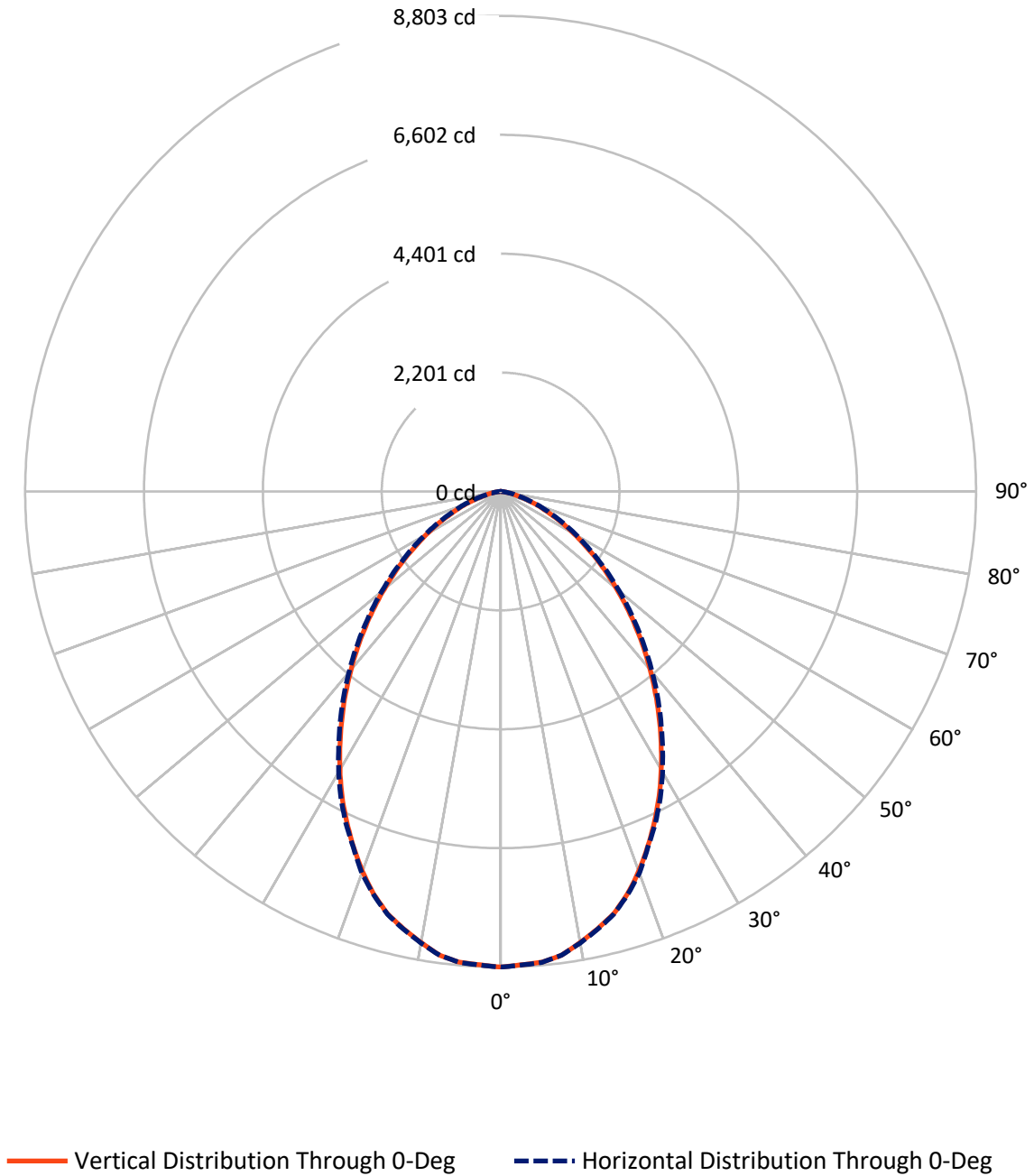
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### Lumen Table

90																			
80	0.5	6.5	17.7	30.1	28.4	30.1	17.7	6.5	0.5										
70																			
60	2.9	4.1	8.2	14.0	20.5	26.5	31.0	33.2	33.2	31.0	26.5	20.5	14.0	8.2	4.1	2.9			
50																			
40	5.2	6.1	13.4	23.9	36.1	49.1	59.8	65.3	65.3	59.8	49.1	36.1	23.9	13.4	6.1	5.2			
30																			
20	6.7	8.2	19.3	35.7	56.6	78.4	96.8	106.8	106.8	96.8	78.4	56.6	35.7	19.3	8.2	6.7			
10																			
0	7.3	10.4	25.6	49.2	79.2	111.1	138.3	153.7	153.7	138.3	111.1	79.2	49.2	25.6	10.4	7.3			
-10																			
-20	6.7	12.4	31.5	61.8	100.9	143.2	180.1	201.3	201.3	180.1	143.2	100.9	61.8	31.5	12.4	6.7			
-30																			
-40	5.2	14.0	36.1	71.3	117.7	169.2	214.6	240.4	240.4	214.6	169.2	117.7	71.3	36.1	14.0	5.2			
-50																			
-60	2.9	14.9	38.6	76.7	127.1	183.6	233.3	260.4	260.4	233.3	183.6	127.1	76.7	38.6	14.9	2.9			
-70																			
-80	0.5	14.9	38.6	76.7	127.1	183.6	233.3	260.4	260.4	233.3	183.6	127.1	76.7	38.6	14.9	0.5			
-90																			

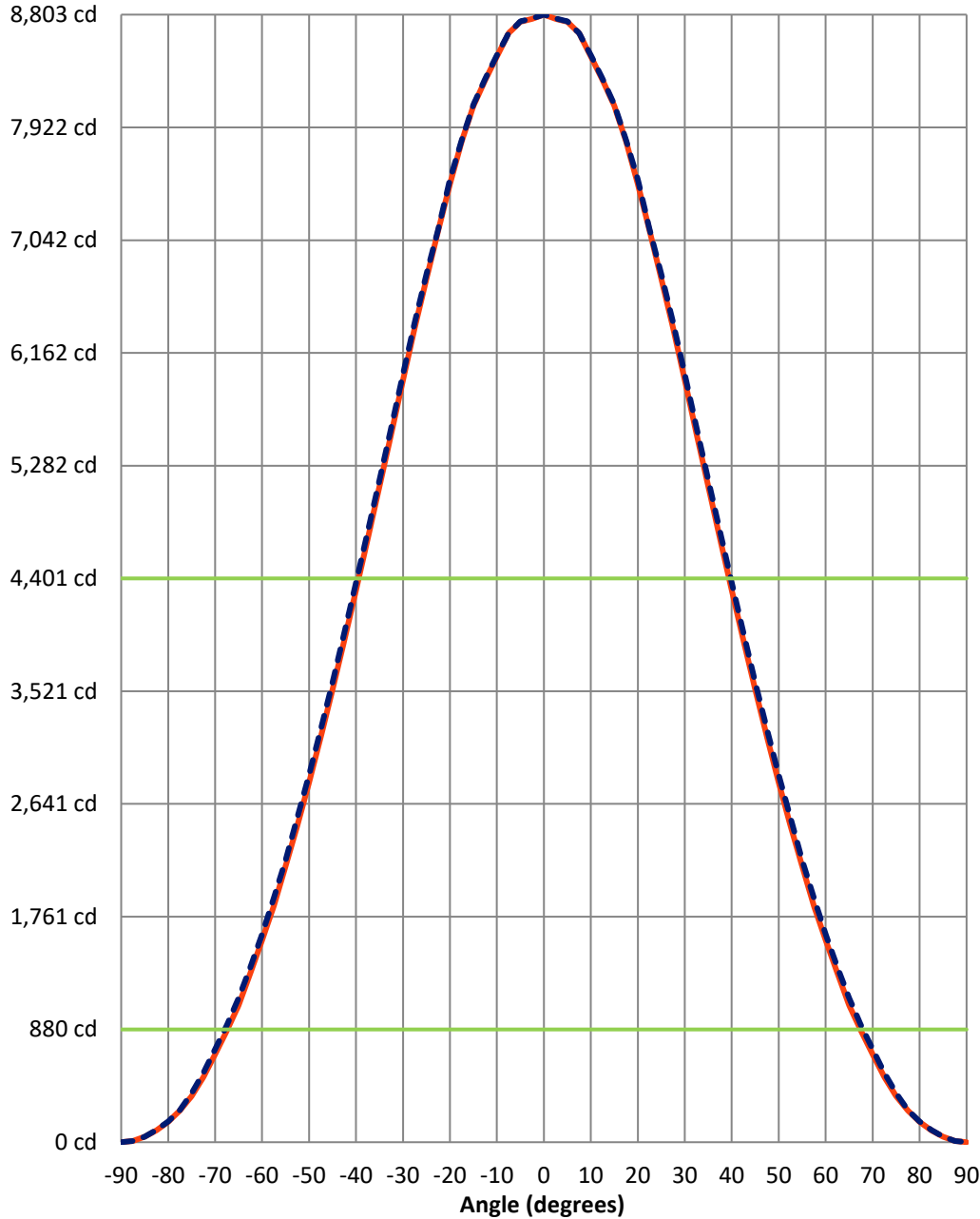
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 9331.3  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 15167.5  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 742.5  
 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	0.5	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.1	5.6
85°	0.0	1.0	2.3	3.4	4.6	5.7	6.8	7.9	9.0	10.1	11.1
82.5°	0.0	1.5	3.4	5.2	6.9	8.5	10.2	11.9	14.9	23.4	31.6
80°	0.0	2.0	4.6	6.9	9.1	11.4	15.4	27.4	38.9	50.0	60.6
77.5°	0.0	2.5	5.7	8.5	11.4	17.8	33.5	48.6	62.8	76.5	93.4
75°	0.0	3.0	6.8	10.2	14.8	30.8	51.2	69.7	87.5	111.9	137.9
72.5°	0.0	3.4	7.8	11.9	23.6	43.5	68.3	92.4	120.3	150.0	181.5
70°	0.0	3.9	8.9	14.2	32.1	55.7	85.5	119.6	152.4	187.4	228.3
67.5°	0.0	4.4	9.9	19.5	40.3	67.4	106.0	146.1	183.8	228.0	274.9
65°	0.0	4.8	10.9	24.5	48.1	80.5	125.7	172.0	217.7	267.4	318.6
62.5°	0.0	5.2	11.8	29.4	55.5	94.8	144.4	198.9	250.5	305.1	357.6
60°	0.0	5.7	12.7	33.9	62.5	108.3	161.9	225.7	282.1	340.4	396.1
57.5°	0.0	6.1	15.3	38.2	71.8	121.1	180.5	250.7	313.2	375.0	432.6
55°	0.0	6.5	17.8	42.3	80.6	132.9	198.0	272.2	343.8	408.5	467.6
52.5°	0.0	6.8	20.2	46.0	88.8	144.2	214.2	294.6	373.7	439.3	501.7
50°	0.0	7.2	22.5	49.3	96.4	156.1	229.1	315.9	402.1	469.2	540.8
47.5°	0.0	7.5	24.7	52.8	103.3	167.0	243.1	335.7	427.8	498.1	579.1
45°	0.0	7.8	26.8	57.4	109.5	176.8	258.6	354.0	447.8	530.9	615.8
42.5°	0.0	8.1	28.8	61.6	115.0	185.6	272.8	370.8	467.0	562.2	659.0
40°	0.0	8.4	30.7	65.8	120.5	193.2	285.7	386.7	486.9	591.6	701.0
37.5°	0.0	8.7	32.4	70.0	126.0	199.7	297.2	401.7	509.2	619.4	740.4
35°	0.0	8.9	34.0	73.9	130.7	207.3	307.4	415.9	531.0	651.5	780.2
32.5°	0.0	9.1	35.5	77.5	134.6	214.8	316.8	429.2	552.1	682.3	822.3
30°	0.0	9.3	36.9	80.8	137.8	221.2	326.7	442.5	572.5	711.8	861.6
27.5°	0.0	9.5	38.1	83.8	142.5	226.6	335.5	457.9	593.5	739.7	898.1
25°	0.0	9.6	39.2	86.5	146.9	230.8	343.2	472.3	615.4	768.2	931.9
22.5°	0.0	9.7	40.2	88.9	150.8	235.0	349.8	485.4	635.6	795.1	967.8
20°	0.0	9.8	41.0	90.9	154.2	240.9	355.3	497.2	653.8	819.2	1000.1
17.5°	0.0	9.9	41.7	92.6	157.0	245.7	362.2	507.6	670.1	840.3	1028.5
15°	0.0	10.0	42.3	94.0	159.3	249.4	369.3	517.6	684.3	858.5	1053.0
12.5°	0.0	10.0	42.7	95.1	161.0	252.1	375.1	526.9	697.1	873.5	1073.6
10°	0.0	10.0	43.0	95.8	162.2	253.7	379.5	534.1	708.2	887.6	1090.9
7.5°	0.0	10.0	43.2	96.3	162.9	254.4	382.5	539.1	716.7	899.0	1105.8
5°	0.0	10.0	43.2	96.4	163.0	254.1	384.1	541.9	722.5	907.2	1116.5
2.5°	0.0	10.0	43.1	96.2	162.6	252.9	384.1	542.6	725.6	912.2	1123.0
0°	0.0	9.9	42.9	95.7	161.7	250.8	382.7	541.1	725.9	913.9	1125.1
-2.5°	0.0	10.0	43.1	96.2	162.6	252.9	384.1	542.6	725.6	912.2	1123.0
-5°	0.0	10.0	43.2	96.4	163.0	254.1	384.1	541.9	722.5	907.2	1116.5
-7.5°	0.0	10.0	43.2	96.3	162.9	254.4	382.5	539.1	716.7	899.0	1105.8
-10°	0.0	10.0	43.0	95.8	162.2	253.7	379.5	534.1	708.2	887.6	1090.9
-12.5°	0.0	10.0	42.7	95.1	161.0	252.1	375.1	526.9	697.1	873.5	1073.6
-15°	0.0	10.0	42.3	94.0	159.3	249.4	369.3	517.6	684.3	858.5	1053.0
-17.5°	0.0	9.9	41.7	92.6	157.0	245.7	362.2	507.6	670.1	840.3	1028.5
-20°	0.0	9.8	41.0	90.9	154.2	240.9	355.3	497.2	653.8	819.2	1000.1

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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	9.7	40.2	88.9	150.8	235.0	349.8	485.4	635.6	795.1	967.8
-25°	0.0	9.6	39.2	86.5	146.9	230.8	343.2	472.3	615.4	768.2	931.9
-27.5°	0.0	9.5	38.1	83.8	142.5	226.6	335.5	457.9	593.5	739.7	898.1
-30°	0.0	9.3	36.9	80.8	137.8	221.2	326.7	442.5	572.5	711.8	861.6
-32.5°	0.0	9.1	35.5	77.5	134.6	214.8	316.8	429.2	552.1	682.3	822.3
-35°	0.0	8.9	34.0	73.9	130.7	207.3	307.4	415.9	531.0	651.5	780.2
-37.5°	0.0	8.7	32.4	70.0	126.0	199.7	297.2	401.7	509.2	619.4	740.4
-40°	0.0	8.4	30.7	65.8	120.5	193.2	285.7	386.7	486.9	591.6	701.0
-42.5°	0.0	8.1	28.8	61.6	115.0	185.6	272.8	370.8	467.0	562.2	659.0
-45°	0.0	7.8	26.8	57.4	109.5	176.8	258.6	354.0	447.8	530.9	615.8
-47.5°	0.0	7.5	24.7	52.8	103.3	167.0	243.1	335.7	427.8	498.1	579.1
-50°	0.0	7.2	22.5	49.3	96.4	156.1	229.1	315.9	402.1	469.2	540.8
-52.5°	0.0	6.8	20.2	46.0	88.8	144.2	214.2	294.6	373.7	439.3	501.7
-55°	0.0	6.5	17.8	42.3	80.6	132.9	198.0	272.2	343.8	408.5	467.6
-57.5°	0.0	6.1	15.3	38.2	71.8	121.1	180.5	250.7	313.2	375.0	432.6
-60°	0.0	5.7	12.7	33.9	62.5	108.3	161.9	225.7	282.1	340.4	396.1
-62.5°	0.0	5.2	11.8	29.4	55.5	94.8	144.4	198.9	250.5	305.1	357.6
-65°	0.0	4.8	10.9	24.5	48.1	80.5	125.7	172.0	217.7	267.4	318.6
-67.5°	0.0	4.4	9.9	19.5	40.3	67.4	106.0	146.1	183.8	228.0	274.9
-70°	0.0	3.9	8.9	14.2	32.1	55.7	85.5	119.6	152.4	187.4	228.3
-72.5°	0.0	3.4	7.8	11.9	23.6	43.5	68.3	92.4	120.3	150.0	181.5
-75°	0.0	3.0	6.8	10.2	14.8	30.8	51.2	69.7	87.5	111.9	137.9
-77.5°	0.0	2.5	5.7	8.5	11.4	17.8	33.5	48.6	62.8	76.5	93.4
-80°	0.0	2.0	4.6	6.9	9.1	11.4	15.4	27.4	38.9	50.0	60.6
-82.5°	0.0	1.5	3.4	5.2	6.9	8.5	10.2	11.9	14.9	23.4	31.6
-85°	0.0	1.0	2.3	3.4	4.6	5.7	6.8	7.9	9.0	10.1	11.1
-87.5°	0.0	0.5	1.1	1.7	2.3	2.9	3.4	4.0	4.5	5.1	5.6
-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):**

	-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°	6.5	7.4	8.4	9.5	9.5	9.5	9.5	9.3	9.7	10.1	10.5
85°	12.9	14.8	20.6	26.1	28.8	30.5	31.2	31.1	36.1	42.0	48.3
82.5°	40.2	48.4	56.3	63.8	65.8	65.8	65.2	65.4	77.3	90.9	104.8
80°	71.5	82.0	95.9	108.3	113.6	116.4	117.7	117.5	132.5	152.5	173.5
77.5°	113.4	131.1	146.5	159.5	166.6	172.8	177.9	181.8	201.1	226.3	251.4
75°	161.2	180.6	199.8	216.6	228.3	237.0	245.2	258.2	283.5	313.0	338.6
72.5°	211.6	236.3	257.8	276.0	292.4	310.0	329.5	351.0	377.7	407.1	434.0
70°	265.4	292.5	315.0	337.0	359.4	385.6	415.0	443.9	473.7	506.2	537.5
67.5°	318.0	344.3	370.7	398.4	432.0	467.1	501.9	541.7	582.5	618.6	650.9
65°	363.7	394.5	427.6	465.2	506.8	551.3	597.7	645.5	697.2	740.6	780.1
62.5°	407.4	444.4	484.7	531.5	584.5	637.3	696.4	756.2	814.4	865.5	912.7
60°	447.7	492.5	543.4	600.9	662.6	732.8	800.1	868.1	932.0	989.9	1049.6
57.5°	486.9	543.3	604.4	673.3	751.4	830.2	909.3	982.6	1054.9	1125.4	1192.9
55°	528.3	596.3	669.0	753.5	841.5	934.8	1020.0	1101.8	1181.4	1266.9	1348.2
52.5°	573.9	649.9	740.8	835.4	937.1	1037.2	1130.9	1224.0	1320.2	1417.0	1522.9
50°	617.9	712.6	812.2	922.3	1032.2	1139.4	1246.8	1354.0	1469.3	1588.1	1708.1
47.5°	669.3	772.6	890.3	1008.4	1128.5	1247.8	1367.4	1497.0	1628.1	1765.8	1898.4
45°	721.4	837.5	964.3	1097.9	1227.7	1359.7	1499.7	1642.9	1796.6	1948.0	2107.7
42.5°	770.6	901.9	1041.8	1186.0	1330.4	1477.9	1631.8	1799.1	1967.0	2141.7	2317.2
40°	825.3	963.3	1117.5	1276.3	1433.0	1596.6	1772.4	1953.6	2143.6	2335.7	2526.2
37.5°	877.8	1029.5	1191.6	1362.5	1538.4	1718.1	1909.0	2114.8	2320.8	2527.5	2737.5
35°	927.0	1092.3	1267.8	1449.3	1635.8	1840.2	2053.7	2273.3	2496.5	2720.1	2946.0
32.5°	977.6	1151.5	1340.7	1534.9	1740.4	1959.7	2193.5	2431.4	2669.2	2907.9	3155.3
30°	1028.3	1213.5	1411.2	1615.8	1840.7	2079.6	2330.9	2582.9	2834.4	3097.1	3360.7
27.5°	1076.3	1272.4	1480.6	1699.5	1936.7	2190.6	2457.4	2727.4	2998.6	3277.9	3559.1
25°	1120.4	1328.2	1545.0	1780.0	2031.5	2297.4	2575.4	2857.1	3154.5	3453.4	3747.0
22.5°	1163.4	1379.4	1604.6	1854.2	2117.3	2396.6	2686.0	2983.5	3294.4	3615.3	3919.1
20°	1204.8	1428.3	1662.6	1921.4	2194.2	2485.9	2786.6	3098.2	3424.2	3753.7	4080.5
17.5°	1241.6	1471.6	1716.6	1984.3	2267.6	2567.5	2877.2	3199.1	3539.6	3881.2	4227.5
15°	1273.6	1509.4	1763.4	2039.1	2332.4	2641.7	2961.4	3292.3	3641.6	3997.3	4357.3
12.5°	1300.6	1541.4	1802.7	2085.7	2387.5	2705.3	3033.7	3376.2	3735.0	4100.6	4471.0
10°	1322.6	1567.4	1834.6	2123.9	2432.4	2757.9	3093.2	3445.4	3814.9	4188.5	4566.7
7.5°	1341.4	1589.2	1859.9	2153.3	2467.0	2799.1	3139.6	3499.4	3878.5	4257.0	4643.6
5°	1355.0	1606.7	1883.1	2177.9	2497.2	2831.3	3174.7	3537.8	3925.1	4305.8	4699.3
2.5°	1363.2	1618.2	1898.9	2193.9	2520.8	2855.4	3205.9	3571.8	3959.2	4344.5	4741.2
0°	1365.9	1623.3	1907.0	2200.7	2533.9	2867.1	3223.5	3589.7	3975.7	4368.3	4767.6
-2.5°	1363.2	1618.2	1898.9	2193.9	2520.8	2855.4	3205.9	3571.8	3959.2	4344.5	4741.2
-5°	1355.0	1606.7	1883.1	2177.9	2497.2	2831.3	3174.7	3537.8	3925.1	4305.8	4699.3
-7.5°	1341.4	1589.2	1859.9	2153.3	2467.0	2799.1	3139.6	3499.4	3878.5	4257.0	4643.6
-10°	1322.6	1567.4	1834.6	2123.9	2432.4	2757.9	3093.2	3445.4	3814.9	4188.5	4566.7
-12.5°	1300.6	1541.4	1802.7	2085.7	2387.5	2705.3	3033.7	3376.2	3735.0	4100.6	4471.0
-15°	1273.6	1509.4	1763.4	2039.1	2332.4	2641.7	2961.4	3292.3	3641.6	3997.3	4357.3
-17.5°	1241.6	1471.6	1716.6	1984.3	2267.6	2567.5	2877.2	3199.1	3539.6	3881.2	4227.5
-20°	1204.8	1428.3	1662.6	1921.4	2194.2	2485.9	2786.6	3098.2	3424.2	3753.7	4080.5

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

Scaled Data Report



REPORT NUMBER: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-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°	1163.4	1379.4	1604.6	1854.2	2117.3	2396.6	2686.0	2983.5	3294.4	3615.3	3919.1
-25°	1120.4	1328.2	1545.0	1780.0	2031.5	2297.4	2575.4	2857.1	3154.5	3453.4	3747.0
-27.5°	1076.3	1272.4	1480.6	1699.5	1936.7	2190.6	2457.4	2727.4	2998.6	3277.9	3559.1
-30°	1028.3	1213.5	1411.2	1615.8	1840.7	2079.6	2330.9	2582.9	2834.4	3097.1	3360.7
-32.5°	977.6	1151.5	1340.7	1534.9	1740.4	1959.7	2193.5	2431.4	2669.2	2907.9	3155.3
-35°	927.0	1092.3	1267.8	1449.3	1635.8	1840.2	2053.7	2273.3	2496.5	2720.1	2946.0
-37.5°	877.8	1029.5	1191.6	1362.5	1538.4	1718.1	1909.0	2114.8	2320.8	2527.5	2737.5
-40°	825.3	963.3	1117.5	1276.3	1433.0	1596.6	1772.4	1953.6	2143.6	2335.7	2526.2
-42.5°	770.6	901.9	1041.8	1186.0	1330.4	1477.9	1631.8	1799.1	1967.0	2141.7	2317.2
-45°	721.4	837.5	964.3	1097.9	1227.7	1359.7	1499.7	1642.9	1796.6	1948.0	2107.7
-47.5°	669.3	772.6	890.3	1008.4	1128.5	1247.8	1367.4	1497.0	1628.1	1765.8	1898.4
-50°	617.9	712.6	812.2	922.3	1032.2	1139.4	1246.8	1354.0	1469.3	1588.1	1708.1
-52.5°	573.9	649.9	740.8	835.4	937.1	1037.2	1130.9	1224.0	1320.2	1417.0	1522.9
-55°	528.3	596.3	669.0	753.5	841.5	934.8	1020.0	1101.8	1181.4	1266.9	1348.2
-57.5°	486.9	543.3	604.4	673.3	751.4	830.2	909.3	982.6	1054.9	1125.4	1192.9
-60°	447.7	492.5	543.4	600.9	662.6	732.8	800.1	868.1	932.0	989.9	1049.6
-62.5°	407.4	444.4	484.7	531.5	584.5	637.3	696.4	756.2	814.4	865.5	912.7
-65°	363.7	394.5	427.6	465.2	506.8	551.3	597.7	645.5	697.2	740.6	780.1
-67.5°	318.0	344.3	370.7	398.4	432.0	467.1	501.9	541.7	582.5	618.6	650.9
-70°	265.4	292.5	315.0	337.0	359.4	385.6	415.0	443.9	473.7	506.2	537.5
-72.5°	211.6	236.3	257.8	276.0	292.4	310.0	329.5	351.0	377.7	407.1	434.0
-75°	161.2	180.6	199.8	216.6	228.3	237.0	245.2	258.2	283.5	313.0	338.6
-77.5°	113.4	131.1	146.5	159.5	166.6	172.8	177.9	181.8	201.1	226.3	251.4
-80°	71.5	82.0	95.9	108.3	113.6	116.4	117.7	117.5	132.5	152.5	173.5
-82.5°	40.2	48.4	56.3	63.8	65.8	65.8	65.2	65.4	77.3	90.9	104.8
-85°	12.9	14.8	20.6	26.1	28.8	30.5	31.2	31.1	36.1	42.0	48.3
-87.5°	6.5	7.4	8.4	9.5	9.5	9.5	9.5	9.3	9.7	10.1	10.5
-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: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-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°	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.7	12.1	11.4
85°	55.1	59.0	62.7	66.1	69.5	72.6	75.6	78.3	80.8	73.8	66.1
82.5°	119.0	128.6	137.7	146.7	155.7	157.9	158.6	158.3	157.1	144.8	131.1
80°	194.3	210.5	225.7	240.8	255.7	257.4	255.7	252.6	248.3	232.1	213.9
77.5°	276.4	296.7	314.6	330.9	345.8	348.6	348.2	347.4	346.2	329.7	309.8
75°	360.6	380.5	399.7	416.1	429.7	436.0	439.0	441.2	442.4	430.6	415.1
72.5°	458.3	479.0	495.9	511.8	525.2	534.9	541.9	547.2	550.8	547.2	540.9
70°	564.2	586.5	605.2	623.1	641.3	655.9	666.9	674.9	680.0	683.3	685.6
67.5°	683.5	713.4	739.4	761.6	783.6	804.2	821.2	835.1	845.8	854.9	861.8
65°	817.9	856.0	889.9	920.9	949.4	979.3	1003.9	1024.5	1041.1	1054.8	1065.8
62.5°	959.2	1006.0	1049.4	1091.5	1132.8	1173.5	1204.7	1233.1	1258.3	1280.0	1297.3
60°	1106.1	1159.2	1217.5	1273.1	1324.2	1371.0	1417.4	1457.7	1492.1	1520.7	1543.7
57.5°	1263.9	1332.7	1400.8	1469.9	1535.2	1596.2	1653.4	1703.8	1746.4	1781.4	1810.8
55°	1434.4	1520.5	1599.5	1686.6	1770.8	1847.4	1914.9	1974.2	2025.5	2068.5	2104.9
52.5°	1621.9	1726.4	1829.0	1928.2	2023.8	2112.7	2193.5	2262.6	2324.0	2376.6	2418.7
50°	1827.0	1946.6	2065.6	2175.9	2285.7	2388.1	2480.7	2560.9	2632.3	2694.2	2742.9
47.5°	2041.6	2177.7	2310.5	2436.7	2558.3	2672.2	2772.4	2863.8	2952.9	3025.6	3083.1
45°	2264.3	2417.1	2563.6	2707.9	2841.7	2969.4	3093.1	3206.9	3298.4	3378.4	3445.7
42.5°	2489.8	2660.1	2824.2	2981.7	3128.9	3276.5	3415.7	3540.0	3644.3	3735.4	3811.8
40°	2718.2	2904.7	3085.5	3257.2	3425.4	3586.4	3736.9	3868.0	3985.6	4093.8	4183.9
37.5°	2945.4	3150.7	3350.9	3543.3	3728.5	3902.8	4065.5	4213.7	4346.4	4469.6	4569.7
35°	3173.8	3398.9	3618.1	3829.7	4032.1	4224.5	4402.5	4571.2	4727.7	4852.5	4954.8
32.5°	3401.1	3643.1	3881.7	4114.7	4336.2	4543.6	4736.6	4923.0	5083.9	5221.0	5338.7
30°	3621.2	3883.3	4143.1	4395.8	4635.0	4859.8	5073.5	5270.5	5443.6	5593.5	5725.5
27.5°	3837.0	4118.7	4397.5	4667.4	4926.1	5170.3	5403.5	5617.1	5806.0	5969.0	6108.2
25°	4041.1	4343.8	4641.0	4927.2	5203.5	5472.9	5724.7	5957.8	6159.5	6338.5	6481.5
22.5°	4236.1	4558.9	4871.2	5172.2	5467.8	5758.2	6033.8	6277.2	6491.1	6678.2	6836.5
20°	4417.7	4763.7	5083.2	5401.5	5712.8	6022.9	6318.8	6575.7	6802.0	7001.1	7175.6
17.5°	4587.5	4942.4	5278.8	5617.7	5945.8	6271.1	6571.7	6847.1	7091.2	7302.7	7485.4
15°	4731.2	5089.6	5457.0	5818.9	6164.9	6494.3	6794.7	7082.2	7353.3	7582.0	7767.2
12.5°	4847.6	5220.4	5603.6	5987.7	6353.7	6682.7	6997.1	7288.8	7573.5	7830.4	8000.7
10°	4946.8	5330.6	5726.2	6118.0	6488.8	6837.0	7178.8	7487.3	7766.9	7997.1	8187.2
7.5°	5032.6	5427.9	5829.7	6222.1	6591.8	6951.4	7303.3	7630.9	7913.3	8130.1	8299.7
5°	5095.9	5500.6	5910.1	6306.2	6681.0	7041.8	7395.3	7718.7	7994.4	8214.9	8399.9
2.5°	5141.1	5549.6	5962.1	6358.7	6741.8	7103.5	7465.9	7793.0	8059.9	8262.0	8439.1
0°	5170.1	5579.2	5994.9	6400.7	6776.8	7126.6	7515.9	7822.7	8099.9	8301.1	8485.9
-2.5°	5141.1	5549.6	5962.1	6358.7	6741.8	7103.5	7465.9	7793.0	8059.9	8262.0	8439.1
-5°	5095.9	5500.6	5910.1	6306.2	6681.0	7041.8	7395.3	7718.7	7994.4	8214.9	8399.9
-7.5°	5032.6	5427.9	5829.7	6222.1	6591.8	6951.4	7303.3	7630.9	7913.3	8130.1	8299.7
-10°	4946.8	5330.6	5726.2	6118.0	6488.8	6837.0	7178.8	7487.3	7766.9	7997.1	8187.2
-12.5°	4847.6	5220.4	5603.6	5987.7	6353.7	6682.7	6997.1	7288.8	7573.5	7830.4	8000.7
-15°	4731.2	5089.6	5457.0	5818.9	6164.9	6494.3	6794.7	7082.2	7353.3	7582.0	7767.2
-17.5°	4587.5	4942.4	5278.8	5617.7	5945.8	6271.1	6571.7	6847.1	7091.2	7302.7	7485.4
-20°	4417.7	4763.7	5083.2	5401.5	5712.8	6022.9	6318.8	6575.7	6802.0	7001.1	7175.6

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Cooper Lighting Solutions Photometric Lab  
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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-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°	4236.1	4558.9	4871.2	5172.2	5467.8	5758.2	6033.8	6277.2	6491.1	6678.2	6836.5
-25°	4041.1	4343.8	4641.0	4927.2	5203.5	5472.9	5724.7	5957.8	6159.5	6338.5	6481.5
-27.5°	3837.0	4118.7	4397.5	4667.4	4926.1	5170.3	5403.5	5617.1	5806.0	5969.0	6108.2
-30°	3621.2	3883.3	4143.1	4395.8	4635.0	4859.8	5073.5	5270.5	5443.6	5593.5	5725.5
-32.5°	3401.1	3643.1	3881.7	4114.7	4336.2	4543.6	4736.6	4923.0	5083.9	5221.0	5338.7
-35°	3173.8	3398.9	3618.1	3829.7	4032.1	4224.5	4402.5	4571.2	4727.7	4852.5	4954.8
-37.5°	2945.4	3150.7	3350.9	3543.3	3728.5	3902.8	4065.5	4213.7	4346.4	4469.6	4569.7
-40°	2718.2	2904.7	3085.5	3257.2	3425.4	3586.4	3736.9	3868.0	3985.6	4093.8	4183.9
-42.5°	2489.8	2660.1	2824.2	2981.7	3128.9	3276.5	3415.7	3540.0	3644.3	3735.4	3811.8
-45°	2264.3	2417.1	2563.6	2707.9	2841.7	2969.4	3093.1	3206.9	3298.4	3378.4	3445.7
-47.5°	2041.6	2177.7	2310.5	2436.7	2558.3	2672.2	2772.4	2863.8	2952.9	3025.6	3083.1
-50°	1827.0	1946.6	2065.6	2175.9	2285.7	2388.1	2480.7	2560.9	2632.3	2694.2	2742.9
-52.5°	1621.9	1726.4	1829.0	1928.2	2023.8	2112.7	2193.5	2262.6	2324.0	2376.6	2418.7
-55°	1434.4	1520.5	1599.5	1686.6	1770.8	1847.4	1914.9	1974.2	2025.5	2068.5	2104.9
-57.5°	1263.9	1332.7	1400.8	1469.9	1535.2	1596.2	1653.4	1703.8	1746.4	1781.4	1810.8
-60°	1106.1	1159.2	1217.5	1273.1	1324.2	1371.0	1417.4	1457.7	1492.1	1520.7	1543.7
-62.5°	959.2	1006.0	1049.4	1091.5	1132.8	1173.5	1204.7	1233.1	1258.3	1280.0	1297.3
-65°	817.9	856.0	889.9	920.9	949.4	979.3	1003.9	1024.5	1041.1	1054.8	1065.8
-67.5°	683.5	713.4	739.4	761.6	783.6	804.2	821.2	835.1	845.8	854.9	861.8
-70°	564.2	586.5	605.2	623.1	641.3	655.9	666.9	674.9	680.0	683.3	685.6
-72.5°	458.3	479.0	495.9	511.8	525.2	534.9	541.9	547.2	550.8	547.2	540.9
-75°	360.6	380.5	399.7	416.1	429.7	436.0	439.0	441.2	442.4	430.6	415.1
-77.5°	276.4	296.7	314.6	330.9	345.8	348.6	348.2	347.4	346.2	329.7	309.8
-80°	194.3	210.5	225.7	240.8	255.7	257.4	255.7	252.6	248.3	232.1	213.9
-82.5°	119.0	128.6	137.7	146.7	155.7	157.9	158.6	158.3	157.1	144.8	131.1
-85°	55.1	59.0	62.7	66.1	69.5	72.6	75.6	78.3	80.8	73.8	66.1
-87.5°	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.7	12.1	11.4
-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: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-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°	10.6	9.9	9.9	9.9	9.9	9.9	10.6	11.4	12.1	12.7	12.6
85°	57.9	49.3	46.1	42.9	46.1	49.3	57.9	66.1	73.8	80.8	78.3
82.5°	116.8	102.0	97.2	92.4	97.2	102.0	116.8	131.1	144.8	157.1	158.3
80°	194.6	174.4	166.5	158.4	166.5	174.4	194.6	213.9	232.1	248.3	252.6
77.5°	288.7	266.6	257.2	247.5	257.2	266.6	288.7	309.8	329.7	346.2	347.4
75°	398.7	381.4	370.9	359.6	370.9	381.4	398.7	415.1	430.6	442.4	441.2
72.5°	533.6	525.1	517.5	508.1	517.5	525.1	533.6	540.9	547.2	550.8	547.2
70°	686.4	685.3	686.7	686.3	686.7	685.3	686.4	685.6	683.3	680.0	674.9
67.5°	865.4	865.7	869.3	871.0	869.3	865.7	865.4	861.8	854.9	845.8	835.1
65°	1072.6	1075.1	1074.2	1069.0	1074.2	1075.1	1072.6	1065.8	1054.8	1041.1	1024.5
62.5°	1309.6	1316.7	1320.6	1319.7	1320.6	1316.7	1309.6	1297.3	1280.0	1258.3	1233.1
60°	1560.9	1572.0	1577.7	1577.1	1577.7	1572.0	1560.9	1543.7	1520.7	1492.1	1457.7
57.5°	1832.6	1846.9	1850.3	1844.3	1850.3	1846.9	1832.6	1810.8	1781.4	1746.4	1703.8
55°	2132.5	2150.8	2157.8	2154.5	2157.8	2150.8	2132.5	2104.9	2068.5	2025.5	1974.2
52.5°	2449.5	2469.2	2476.3	2471.2	2476.3	2469.2	2449.5	2418.7	2376.6	2324.0	2262.6
50°	2778.7	2802.6	2812.3	2807.7	2812.3	2802.6	2778.7	2742.9	2694.2	2632.3	2560.9
47.5°	3128.2	3160.1	3172.5	3164.1	3172.5	3160.1	3128.2	3083.1	3025.6	2952.9	2863.8
45°	3495.9	3529.0	3541.9	3533.6	3541.9	3529.0	3495.9	3445.7	3378.4	3298.4	3206.9
42.5°	3870.2	3913.3	3931.4	3916.3	3931.4	3913.3	3870.2	3811.8	3735.4	3644.3	3540.0
40°	4251.1	4297.8	4319.4	4308.9	4319.4	4297.8	4251.1	4183.9	4093.8	3985.6	3868.0
37.5°	4641.9	4688.4	4711.2	4711.5	4711.2	4688.4	4641.9	4569.7	4469.6	4346.4	4213.7
35°	5034.1	5090.3	5122.1	5120.6	5122.1	5090.3	5034.1	4954.8	4852.5	4727.7	4571.2
32.5°	5431.7	5492.6	5525.1	5529.7	5525.1	5492.6	5431.7	5338.7	5221.0	5083.9	4923.0
30°	5828.7	5895.6	5933.3	5948.7	5933.3	5895.6	5828.7	5725.5	5593.5	5443.6	5270.5
27.5°	6213.6	6296.0	6352.9	6357.8	6352.9	6296.0	6213.6	6108.2	5969.0	5806.0	5617.1
25°	6586.5	6670.4	6728.7	6740.6	6728.7	6670.4	6586.5	6481.5	6338.5	6159.5	5957.8
22.5°	6954.0	7041.7	7095.5	7116.7	7095.5	7041.7	6954.0	6836.5	6678.2	6491.1	6277.2
20°	7304.8	7399.8	7456.9	7479.6	7456.9	7399.8	7304.8	7175.6	7001.1	6802.0	6575.7
17.5°	7622.1	7722.5	7793.0	7812.8	7793.0	7722.5	7622.1	7485.4	7302.7	7091.2	6847.1
15°	7901.4	7996.7	8063.6	8090.0	8063.6	7996.7	7901.4	7767.2	7582.0	7353.3	7082.2
12.5°	8128.8	8213.9	8266.3	8291.2	8266.3	8213.9	8128.8	8000.7	7830.4	7573.5	7288.8
10°	8306.3	8391.8	8441.9	8476.0	8441.9	8391.8	8306.3	8187.2	7997.1	7766.9	7487.3
7.5°	8460.5	8548.1	8609.3	8657.5	8609.3	8548.1	8460.5	8299.7	8130.1	7913.3	7630.9
5°	8545.6	8691.9	8713.9	8746.6	8713.9	8691.9	8545.6	8399.9	8214.9	7994.4	7718.7
2.5°	8610.5	8714.2	8776.5	8769.7	8776.5	8714.2	8610.5	8439.1	8262.0	8059.9	7793.0
0°	8657.5	8749.9	8773.0	8802.6	8773.0	8749.9	8657.5	8485.9	8301.1	8099.9	7822.7
-2.5°	8610.5	8714.2	8776.5	8769.7	8776.5	8714.2	8610.5	8439.1	8262.0	8059.9	7793.0
-5°	8545.6	8691.9	8713.9	8746.6	8713.9	8691.9	8545.6	8399.9	8214.9	7994.4	7718.7
-7.5°	8460.5	8548.1	8609.3	8657.5	8609.3	8548.1	8460.5	8299.7	8130.1	7913.3	7630.9
-10°	8306.3	8391.8	8441.9	8476.0	8441.9	8391.8	8306.3	8187.2	7997.1	7766.9	7487.3
-12.5°	8128.8	8213.9	8266.3	8291.2	8266.3	8213.9	8128.8	8000.7	7830.4	7573.5	7288.8
-15°	7901.4	7996.7	8063.6	8090.0	8063.6	7996.7	7901.4	7767.2	7582.0	7353.3	7082.2
-17.5°	7622.1	7722.5	7793.0	7812.8	7793.0	7722.5	7622.1	7485.4	7302.7	7091.2	6847.1
-20°	7304.8	7399.8	7456.9	7479.6	7456.9	7399.8	7304.8	7175.6	7001.1	6802.0	6575.7



REPORT NUMBER: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-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°	6954.0	7041.7	7095.5	7116.7	7095.5	7041.7	6954.0	6836.5	6678.2	6491.1	6277.2
-25°	6586.5	6670.4	6728.7	6740.6	6728.7	6670.4	6586.5	6481.5	6338.5	6159.5	5957.8
-27.5°	6213.6	6296.0	6352.9	6357.8	6352.9	6296.0	6213.6	6108.2	5969.0	5806.0	5617.1
-30°	5828.7	5895.6	5933.3	5948.7	5933.3	5895.6	5828.7	5725.5	5593.5	5443.6	5270.5
-32.5°	5431.7	5492.6	5525.1	5529.7	5525.1	5492.6	5431.7	5338.7	5221.0	5083.9	4923.0
-35°	5034.1	5090.3	5122.1	5120.6	5122.1	5090.3	5034.1	4954.8	4852.5	4727.7	4571.2
-37.5°	4641.9	4688.4	4711.2	4711.5	4711.2	4688.4	4641.9	4569.7	4469.6	4346.4	4213.7
-40°	4251.1	4297.8	4319.4	4308.9	4319.4	4297.8	4251.1	4183.9	4093.8	3985.6	3868.0
-42.5°	3870.2	3913.3	3931.4	3916.3	3931.4	3913.3	3870.2	3811.8	3735.4	3644.3	3540.0
-45°	3495.9	3529.0	3541.9	3533.6	3541.9	3529.0	3495.9	3445.7	3378.4	3298.4	3206.9
-47.5°	3128.2	3160.1	3172.5	3164.1	3172.5	3160.1	3128.2	3083.1	3025.6	2952.9	2863.8
-50°	2778.7	2802.6	2812.3	2807.7	2812.3	2802.6	2778.7	2742.9	2694.2	2632.3	2560.9
-52.5°	2449.5	2469.2	2476.3	2471.2	2476.3	2469.2	2449.5	2418.7	2376.6	2324.0	2262.6
-55°	2132.5	2150.8	2157.8	2154.5	2157.8	2150.8	2132.5	2104.9	2068.5	2025.5	1974.2
-57.5°	1832.6	1846.9	1850.3	1844.3	1850.3	1846.9	1832.6	1810.8	1781.4	1746.4	1703.8
-60°	1560.9	1572.0	1577.7	1577.1	1577.7	1572.0	1560.9	1543.7	1520.7	1492.1	1457.7
-62.5°	1309.6	1316.7	1320.6	1319.7	1320.6	1316.7	1309.6	1297.3	1280.0	1258.3	1233.1
-65°	1072.6	1075.1	1074.2	1069.0	1074.2	1075.1	1072.6	1065.8	1054.8	1041.1	1024.5
-67.5°	865.4	865.7	869.3	871.0	869.3	865.7	865.4	861.8	854.9	845.8	835.1
-70°	686.4	685.3	686.7	686.3	686.7	685.3	686.4	685.6	683.3	680.0	674.9
-72.5°	533.6	525.1	517.5	508.1	517.5	525.1	533.6	540.9	547.2	550.8	547.2
-75°	398.7	381.4	370.9	359.6	370.9	381.4	398.7	415.1	430.6	442.4	441.2
-77.5°	288.7	266.6	257.2	247.5	257.2	266.6	288.7	309.8	329.7	346.2	347.4
-80°	194.6	174.4	166.5	158.4	166.5	174.4	194.6	213.9	232.1	248.3	252.6
-82.5°	116.8	102.0	97.2	92.4	97.2	102.0	116.8	131.1	144.8	157.1	158.3
-85°	57.9	49.3	46.1	42.9	46.1	49.3	57.9	66.1	73.8	80.8	78.3
-87.5°	10.6	9.9	9.9	9.9	9.9	9.9	10.6	11.4	12.1	12.7	12.6
-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: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-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°	12.4	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.1	9.7	9.3
85°	75.6	72.6	69.5	66.1	62.7	59.0	55.1	48.3	42.0	36.1	31.1
82.5°	158.6	157.9	155.7	146.7	137.7	128.6	119.0	104.8	90.9	77.3	65.4
80°	255.7	257.4	255.7	240.8	225.7	210.5	194.3	173.5	152.5	132.5	117.5
77.5°	348.2	348.6	345.8	330.9	314.6	296.7	276.4	251.4	226.3	201.1	181.8
75°	439.0	436.0	429.7	416.1	399.7	380.5	360.6	338.6	313.0	283.5	258.2
72.5°	541.9	534.9	525.2	511.8	495.9	479.0	458.3	434.0	407.1	377.7	351.0
70°	666.9	655.9	641.3	623.1	605.2	586.5	564.2	537.5	506.2	473.7	443.9
67.5°	821.2	804.2	783.6	761.6	739.4	713.4	683.5	650.9	618.6	582.5	541.7
65°	1003.9	979.3	949.4	920.9	889.9	856.0	817.9	780.1	740.6	697.2	645.5
62.5°	1204.7	1173.5	1132.8	1091.5	1049.4	1006.0	959.2	912.7	865.5	814.4	756.2
60°	1417.4	1371.0	1324.2	1273.1	1217.5	1159.2	1106.1	1049.6	989.9	932.0	868.1
57.5°	1653.4	1596.2	1535.2	1469.9	1400.8	1332.7	1263.9	1192.9	1125.4	1054.9	982.6
55°	1914.9	1847.4	1770.8	1686.6	1599.5	1520.5	1434.4	1348.2	1266.9	1181.4	1101.8
52.5°	2193.5	2112.7	2023.8	1928.2	1829.0	1726.4	1621.9	1522.9	1417.0	1320.2	1224.0
50°	2480.7	2388.1	2285.7	2175.9	2065.6	1946.6	1827.0	1708.1	1588.1	1469.3	1354.0
47.5°	2772.4	2672.2	2558.3	2436.7	2310.5	2177.7	2041.6	1898.4	1765.8	1628.1	1497.0
45°	3093.1	2969.4	2841.7	2707.9	2563.6	2417.1	2264.3	2107.7	1948.0	1796.6	1642.9
42.5°	3415.7	3276.5	3128.9	2981.7	2824.2	2660.1	2489.8	2317.2	2141.7	1967.0	1799.1
40°	3736.9	3586.4	3425.4	3257.2	3085.5	2904.7	2718.2	2526.2	2335.7	2143.6	1953.6
37.5°	4065.5	3902.8	3728.5	3543.3	3350.9	3150.7	2945.4	2737.5	2527.5	2320.8	2114.8
35°	4402.5	4224.5	4032.1	3829.7	3618.1	3398.9	3173.8	2946.0	2720.1	2496.5	2273.3
32.5°	4736.6	4543.6	4336.2	4114.7	3881.7	3643.1	3401.1	3155.3	2907.9	2669.2	2431.4
30°	5073.5	4859.8	4635.0	4395.8	4143.1	3883.3	3621.2	3360.7	3097.1	2834.4	2582.9
27.5°	5403.5	5170.3	4926.1	4667.4	4397.5	4118.7	3837.0	3559.1	3277.9	2998.6	2727.4
25°	5724.7	5472.9	5203.5	4927.2	4641.0	4343.8	4041.1	3747.0	3453.4	3154.5	2857.1
22.5°	6033.8	5758.2	5467.8	5172.2	4871.2	4558.9	4236.1	3919.1	3615.3	3294.4	2983.5
20°	6318.8	6022.9	5712.8	5401.5	5083.2	4763.7	4417.7	4080.5	3753.7	3424.2	3098.2
17.5°	6571.7	6271.1	5945.8	5617.7	5278.8	4942.4	4587.5	4227.5	3881.2	3539.6	3199.1
15°	6794.7	6494.3	6164.9	5818.9	5457.0	5089.6	4731.2	4357.3	3997.3	3641.6	3292.3
12.5°	6997.1	6682.7	6353.7	5987.7	5603.6	5220.4	4847.6	4471.0	4100.6	3735.0	3376.2
10°	7178.8	6837.0	6488.8	6118.0	5726.2	5330.6	4946.8	4566.7	4188.5	3814.9	3445.4
7.5°	7303.3	6951.4	6591.8	6222.1	5829.7	5427.9	5032.6	4643.6	4257.0	3878.5	3499.4
5°	7395.3	7041.8	6681.0	6306.2	5910.1	5500.6	5095.9	4699.3	4305.8	3925.1	3537.8
2.5°	7465.9	7103.5	6741.8	6358.7	5962.1	5549.6	5141.1	4741.2	4344.5	3959.2	3571.8
0°	7515.9	7126.6	6776.8	6400.7	5994.9	5579.2	5170.1	4767.6	4368.3	3975.7	3589.7
-2.5°	7465.9	7103.5	6741.8	6358.7	5962.1	5549.6	5141.1	4741.2	4344.5	3959.2	3571.8
-5°	7395.3	7041.8	6681.0	6306.2	5910.1	5500.6	5095.9	4699.3	4305.8	3925.1	3537.8
-7.5°	7303.3	6951.4	6591.8	6222.1	5829.7	5427.9	5032.6	4643.6	4257.0	3878.5	3499.4
-10°	7178.8	6837.0	6488.8	6118.0	5726.2	5330.6	4946.8	4566.7	4188.5	3814.9	3445.4
-12.5°	6997.1	6682.7	6353.7	5987.7	5603.6	5220.4	4847.6	4471.0	4100.6	3735.0	3376.2
-15°	6794.7	6494.3	6164.9	5818.9	5457.0	5089.6	4731.2	4357.3	3997.3	3641.6	3292.3
-17.5°	6571.7	6271.1	5945.8	5617.7	5278.8	4942.4	4587.5	4227.5	3881.2	3539.6	3199.1
-20°	6318.8	6022.9	5712.8	5401.5	5083.2	4763.7	4417.7	4080.5	3753.7	3424.2	3098.2



REPORT NUMBER: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3C-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°	6033.8	5758.2	5467.8	5172.2	4871.2	4558.9	4236.1	3919.1	3615.3	3294.4	2983.5
-25°	5724.7	5472.9	5203.5	4927.2	4641.0	4343.8	4041.1	3747.0	3453.4	3154.5	2857.1
-27.5°	5403.5	5170.3	4926.1	4667.4	4397.5	4118.7	3837.0	3559.1	3277.9	2998.6	2727.4
-30°	5073.5	4859.8	4635.0	4395.8	4143.1	3883.3	3621.2	3360.7	3097.1	2834.4	2582.9
-32.5°	4736.6	4543.6	4336.2	4114.7	3881.7	3643.1	3401.1	3155.3	2907.9	2669.2	2431.4
-35°	4402.5	4224.5	4032.1	3829.7	3618.1	3398.9	3173.8	2946.0	2720.1	2496.5	2273.3
-37.5°	4065.5	3902.8	3728.5	3543.3	3350.9	3150.7	2945.4	2737.5	2527.5	2320.8	2114.8
-40°	3736.9	3586.4	3425.4	3257.2	3085.5	2904.7	2718.2	2526.2	2335.7	2143.6	1953.6
-42.5°	3415.7	3276.5	3128.9	2981.7	2824.2	2660.1	2489.8	2317.2	2141.7	1967.0	1799.1
-45°	3093.1	2969.4	2841.7	2707.9	2563.6	2417.1	2264.3	2107.7	1948.0	1796.6	1642.9
-47.5°	2772.4	2672.2	2558.3	2436.7	2310.5	2177.7	2041.6	1898.4	1765.8	1628.1	1497.0
-50°	2480.7	2388.1	2285.7	2175.9	2065.6	1946.6	1827.0	1708.1	1588.1	1469.3	1354.0
-52.5°	2193.5	2112.7	2023.8	1928.2	1829.0	1726.4	1621.9	1522.9	1417.0	1320.2	1224.0
-55°	1914.9	1847.4	1770.8	1686.6	1599.5	1520.5	1434.4	1348.2	1266.9	1181.4	1101.8
-57.5°	1653.4	1596.2	1535.2	1469.9	1400.8	1332.7	1263.9	1192.9	1125.4	1054.9	982.6
-60°	1417.4	1371.0	1324.2	1273.1	1217.5	1159.2	1106.1	1049.6	989.9	932.0	868.1
-62.5°	1204.7	1173.5	1132.8	1091.5	1049.4	1006.0	959.2	912.7	865.5	814.4	756.2
-65°	1003.9	979.3	949.4	920.9	889.9	856.0	817.9	780.1	740.6	697.2	645.5
-67.5°	821.2	804.2	783.6	761.6	739.4	713.4	683.5	650.9	618.6	582.5	541.7
-70°	666.9	655.9	641.3	623.1	605.2	586.5	564.2	537.5	506.2	473.7	443.9
-72.5°	541.9	534.9	525.2	511.8	495.9	479.0	458.3	434.0	407.1	377.7	351.0
-75°	439.0	436.0	429.7	416.1	399.7	380.5	360.6	338.6	313.0	283.5	258.2
-77.5°	348.2	348.6	345.8	330.9	314.6	296.7	276.4	251.4	226.3	201.1	181.8
-80°	255.7	257.4	255.7	240.8	225.7	210.5	194.3	173.5	152.5	132.5	117.5
-82.5°	158.6	157.9	155.7	146.7	137.7	128.6	119.0	104.8	90.9	77.3	65.4
-85°	75.6	72.6	69.5	66.1	62.7	59.0	55.1	48.3	42.0	36.1	31.1
-87.5°	12.4	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.1	9.7	9.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627151 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-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°	9.5	9.5	9.5	9.5	8.4	7.4	6.5	5.6	5.1	4.5	4.0
85°	31.2	30.5	28.8	26.1	20.6	14.8	12.9	11.1	10.1	9.0	7.9
82.5°	65.2	65.8	65.8	63.8	56.3	48.4	40.2	31.6	23.4	14.9	11.9
80°	117.7	116.4	113.6	108.3	95.9	82.0	71.5	60.6	50.0	38.9	27.4
77.5°	177.9	172.8	166.6	159.5	146.5	131.1	113.4	93.4	76.5	62.8	48.6
75°	245.2	237.0	228.3	216.6	199.8	180.6	161.2	137.9	111.9	87.5	69.7
72.5°	329.5	310.0	292.4	276.0	257.8	236.3	211.6	181.5	150.0	120.3	92.4
70°	415.0	385.6	359.4	337.0	315.0	292.5	265.4	228.3	187.4	152.4	119.6
67.5°	501.9	467.1	432.0	398.4	370.7	344.3	318.0	274.9	228.0	183.8	146.1
65°	597.7	551.3	506.8	465.2	427.6	394.5	363.7	318.6	267.4	217.7	172.0
62.5°	696.4	637.3	584.5	531.5	484.7	444.4	407.4	357.6	305.1	250.5	198.9
60°	800.1	732.8	662.6	600.9	543.4	492.5	447.7	396.1	340.4	282.1	225.7
57.5°	909.3	830.2	751.4	673.3	604.4	543.3	486.9	432.6	375.0	313.2	250.7
55°	1020.0	934.8	841.5	753.5	669.0	596.3	528.3	467.6	408.5	343.8	272.2
52.5°	1130.9	1037.2	937.1	835.4	740.8	649.9	573.9	501.7	439.3	373.7	294.6
50°	1246.8	1139.4	1032.2	922.3	812.2	712.6	617.9	540.8	469.2	402.1	315.9
47.5°	1367.4	1247.8	1128.5	1008.4	890.3	772.6	669.3	579.1	498.1	427.8	335.7
45°	1499.7	1359.7	1227.7	1097.9	964.3	837.5	721.4	615.8	530.9	447.8	354.0
42.5°	1631.8	1477.9	1330.4	1186.0	1041.8	901.9	770.6	659.0	562.2	467.0	370.8
40°	1772.4	1596.6	1433.0	1276.3	1117.5	963.3	825.3	701.0	591.6	486.9	386.7
37.5°	1909.0	1718.1	1538.4	1362.5	1191.6	1029.5	877.8	740.4	619.4	509.2	401.7
35°	2053.7	1840.2	1635.8	1449.3	1267.8	1092.3	927.0	780.2	651.5	531.0	415.9
32.5°	2193.5	1959.7	1740.4	1534.9	1340.7	1151.5	977.6	822.3	682.3	552.1	429.2
30°	2330.9	2079.6	1840.7	1615.8	1411.2	1213.5	1028.3	861.6	711.8	572.5	442.5
27.5°	2457.4	2190.6	1936.7	1699.5	1480.6	1272.4	1076.3	898.1	739.7	593.5	457.9
25°	2575.4	2297.4	2031.5	1780.0	1545.0	1328.2	1120.4	931.9	768.2	615.4	472.3
22.5°	2686.0	2396.6	2117.3	1854.2	1604.6	1379.4	1163.4	967.8	795.1	635.6	485.4
20°	2786.6	2485.9	2194.2	1921.4	1662.6	1428.3	1204.8	1000.1	819.2	653.8	497.2
17.5°	2877.2	2567.5	2267.6	1984.3	1716.6	1471.6	1241.6	1028.5	840.3	670.1	507.6
15°	2961.4	2641.7	2332.4	2039.1	1763.4	1509.4	1273.6	1053.0	858.5	684.3	517.6
12.5°	3033.7	2705.3	2387.5	2085.7	1802.7	1541.4	1300.6	1073.6	873.5	697.1	526.9
10°	3093.2	2757.9	2432.4	2123.9	1834.6	1567.4	1322.6	1090.9	887.6	708.2	534.1
7.5°	3139.6	2799.1	2467.0	2153.3	1859.9	1589.2	1341.4	1105.8	899.0	716.7	539.1
5°	3174.7	2831.3	2497.2	2177.9	1883.1	1606.7	1355.0	1116.5	907.2	722.5	541.9
2.5°	3205.9	2855.4	2520.8	2193.9	1898.9	1618.2	1363.2	1123.0	912.2	725.6	542.6
0°	3223.5	2867.1	2533.9	2200.7	1907.0	1623.3	1365.9	1125.1	913.9	725.9	541.1
-2.5°	3205.9	2855.4	2520.8	2193.9	1898.9	1618.2	1363.2	1123.0	912.2	725.6	542.6
-5°	3174.7	2831.3	2497.2	2177.9	1883.1	1606.7	1355.0	1116.5	907.2	722.5	541.9
-7.5°	3139.6	2799.1	2467.0	2153.3	1859.9	1589.2	1341.4	1105.8	899.0	716.7	539.1
-10°	3093.2	2757.9	2432.4	2123.9	1834.6	1567.4	1322.6	1090.9	887.6	708.2	534.1
-12.5°	3033.7	2705.3	2387.5	2085.7	1802.7	1541.4	1300.6	1073.6	873.5	697.1	526.9
-15°	2961.4	2641.7	2332.4	2039.1	1763.4	1509.4	1273.6	1053.0	858.5	684.3	517.6
-17.5°	2877.2	2567.5	2267.6	1984.3	1716.6	1471.6	1241.6	1028.5	840.3	670.1	507.6
-20°	2786.6	2485.9	2194.2	1921.4	1662.6	1428.3	1204.8	1000.1	819.2	653.8	497.2



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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°	2686.0	2396.6	2117.3	1854.2	1604.6	1379.4	1163.4	967.8	795.1	635.6	485.4
-25°	2575.4	2297.4	2031.5	1780.0	1545.0	1328.2	1120.4	931.9	768.2	615.4	472.3
-27.5°	2457.4	2190.6	1936.7	1699.5	1480.6	1272.4	1076.3	898.1	739.7	593.5	457.9
-30°	2330.9	2079.6	1840.7	1615.8	1411.2	1213.5	1028.3	861.6	711.8	572.5	442.5
-32.5°	2193.5	1959.7	1740.4	1534.9	1340.7	1151.5	977.6	822.3	682.3	552.1	429.2
-35°	2053.7	1840.2	1635.8	1449.3	1267.8	1092.3	927.0	780.2	651.5	531.0	415.9
-37.5°	1909.0	1718.1	1538.4	1362.5	1191.6	1029.5	877.8	740.4	619.4	509.2	401.7
-40°	1772.4	1596.6	1433.0	1276.3	1117.5	963.3	825.3	701.0	591.6	486.9	386.7
-42.5°	1631.8	1477.9	1330.4	1186.0	1041.8	901.9	770.6	659.0	562.2	467.0	370.8
-45°	1499.7	1359.7	1227.7	1097.9	964.3	837.5	721.4	615.8	530.9	447.8	354.0
-47.5°	1367.4	1247.8	1128.5	1008.4	890.3	772.6	669.3	579.1	498.1	427.8	335.7
-50°	1246.8	1139.4	1032.2	922.3	812.2	712.6	617.9	540.8	469.2	402.1	315.9
-52.5°	1130.9	1037.2	937.1	835.4	740.8	649.9	573.9	501.7	439.3	373.7	294.6
-55°	1020.0	934.8	841.5	753.5	669.0	596.3	528.3	467.6	408.5	343.8	272.2
-57.5°	909.3	830.2	751.4	673.3	604.4	543.3	486.9	432.6	375.0	313.2	250.7
-60°	800.1	732.8	662.6	600.9	543.4	492.5	447.7	396.1	340.4	282.1	225.7
-62.5°	696.4	637.3	584.5	531.5	484.7	444.4	407.4	357.6	305.1	250.5	198.9
-65°	597.7	551.3	506.8	465.2	427.6	394.5	363.7	318.6	267.4	217.7	172.0
-67.5°	501.9	467.1	432.0	398.4	370.7	344.3	318.0	274.9	228.0	183.8	146.1
-70°	415.0	385.6	359.4	337.0	315.0	292.5	265.4	228.3	187.4	152.4	119.6
-72.5°	329.5	310.0	292.4	276.0	257.8	236.3	211.6	181.5	150.0	120.3	92.4
-75°	245.2	237.0	228.3	216.6	199.8	180.6	161.2	137.9	111.9	87.5	69.7
-77.5°	177.9	172.8	166.6	159.5	146.5	131.1	113.4	93.4	76.5	62.8	48.6
-80°	117.7	116.4	113.6	108.3	95.9	82.0	71.5	60.6	50.0	38.9	27.4
-82.5°	65.2	65.8	65.8	63.8	56.3	48.4	40.2	31.6	23.4	14.9	11.9
-85°	31.2	30.5	28.8	26.1	20.6	14.8	12.9	11.1	10.1	9.0	7.9
-87.5°	9.5	9.5	9.5	9.5	8.4	7.4	6.5	5.6	5.1	4.5	4.0
-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°	3.4	2.9	2.3	1.7	1.1	0.5	0.0
85°	6.8	5.7	4.6	3.4	2.3	1.0	0.0
82.5°	10.2	8.5	6.9	5.2	3.4	1.5	0.0
80°	15.4	11.4	9.1	6.9	4.6	2.0	0.0
77.5°	33.5	17.8	11.4	8.5	5.7	2.5	0.0
75°	51.2	30.8	14.8	10.2	6.8	3.0	0.0
72.5°	68.3	43.5	23.6	11.9	7.8	3.4	0.0
70°	85.5	55.7	32.1	14.2	8.9	3.9	0.0
67.5°	106.0	67.4	40.3	19.5	9.9	4.4	0.0
65°	125.7	80.5	48.1	24.5	10.9	4.8	0.0
62.5°	144.4	94.8	55.5	29.4	11.8	5.2	0.0
60°	161.9	108.3	62.5	33.9	12.7	5.7	0.0
57.5°	180.5	121.1	71.8	38.2	15.3	6.1	0.0
55°	198.0	132.9	80.6	42.3	17.8	6.5	0.0
52.5°	214.2	144.2	88.8	46.0	20.2	6.8	0.0
50°	229.1	156.1	96.4	49.3	22.5	7.2	0.0
47.5°	243.1	167.0	103.3	52.8	24.7	7.5	0.0
45°	258.6	176.8	109.5	57.4	26.8	7.8	0.0
42.5°	272.8	185.6	115.0	61.6	28.8	8.1	0.0
40°	285.7	193.2	120.5	65.8	30.7	8.4	0.0
37.5°	297.2	199.7	126.0	70.0	32.4	8.7	0.0
35°	307.4	207.3	130.7	73.9	34.0	8.9	0.0
32.5°	316.8	214.8	134.6	77.5	35.5	9.1	0.0
30°	326.7	221.2	137.8	80.8	36.9	9.3	0.0
27.5°	335.5	226.6	142.5	83.8	38.1	9.5	0.0
25°	343.2	230.8	146.9	86.5	39.2	9.6	0.0
22.5°	349.8	235.0	150.8	88.9	40.2	9.7	0.0
20°	355.3	240.9	154.2	90.9	41.0	9.8	0.0
17.5°	362.2	245.7	157.0	92.6	41.7	9.9	0.0
15°	369.3	249.4	159.3	94.0	42.3	10.0	0.0
12.5°	375.1	252.1	161.0	95.1	42.7	10.0	0.0
10°	379.5	253.7	162.2	95.8	43.0	10.0	0.0
7.5°	382.5	254.4	162.9	96.3	43.2	10.0	0.0
5°	384.1	254.1	163.0	96.4	43.2	10.0	0.0
2.5°	384.1	252.9	162.6	96.2	43.1	10.0	0.0
0°	382.7	250.8	161.7	95.7	42.9	9.9	0.0
-2.5°	384.1	252.9	162.6	96.2	43.1	10.0	0.0
-5°	384.1	254.1	163.0	96.4	43.2	10.0	0.0
-7.5°	382.5	254.4	162.9	96.3	43.2	10.0	0.0
-10°	379.5	253.7	162.2	95.8	43.0	10.0	0.0
-12.5°	375.1	252.1	161.0	95.1	42.7	10.0	0.0
-15°	369.3	249.4	159.3	94.0	42.3	10.0	0.0
-17.5°	362.2	245.7	157.0	92.6	41.7	9.9	0.0
-20°	355.3	240.9	154.2	90.9	41.0	9.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	349.8	235.0	150.8	88.9	40.2	9.7	0.0
-25°	343.2	230.8	146.9	86.5	39.2	9.6	0.0
-27.5°	335.5	226.6	142.5	83.8	38.1	9.5	0.0
-30°	326.7	221.2	137.8	80.8	36.9	9.3	0.0
-32.5°	316.8	214.8	134.6	77.5	35.5	9.1	0.0
-35°	307.4	207.3	130.7	73.9	34.0	8.9	0.0
-37.5°	297.2	199.7	126.0	70.0	32.4	8.7	0.0
-40°	285.7	193.2	120.5	65.8	30.7	8.4	0.0
-42.5°	272.8	185.6	115.0	61.6	28.8	8.1	0.0
-45°	258.6	176.8	109.5	57.4	26.8	7.8	0.0
-47.5°	243.1	167.0	103.3	52.8	24.7	7.5	0.0
-50°	229.1	156.1	96.4	49.3	22.5	7.2	0.0
-52.5°	214.2	144.2	88.8	46.0	20.2	6.8	0.0
-55°	198.0	132.9	80.6	42.3	17.8	6.5	0.0
-57.5°	180.5	121.1	71.8	38.2	15.3	6.1	0.0
-60°	161.9	108.3	62.5	33.9	12.7	5.7	0.0
-62.5°	144.4	94.8	55.5	29.4	11.8	5.2	0.0
-65°	125.7	80.5	48.1	24.5	10.9	4.8	0.0
-67.5°	106.0	67.4	40.3	19.5	9.9	4.4	0.0
-70°	85.5	55.7	32.1	14.2	8.9	3.9	0.0
-72.5°	68.3	43.5	23.6	11.9	7.8	3.4	0.0
-75°	51.2	30.8	14.8	10.2	6.8	3.0	0.0
-77.5°	33.5	17.8	11.4	8.5	5.7	2.5	0.0
-80°	15.4	11.4	9.1	6.9	4.6	2.0	0.0
-82.5°	10.2	8.5	6.9	5.2	3.4	1.5	0.0
-85°	6.8	5.7	4.6	3.4	2.3	1.0	0.0
-87.5°	3.4	2.9	2.3	1.7	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)