

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: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5E-730-U-VWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627751 (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-SA5E-730-U-VWR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N120  
Light Source: (80) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

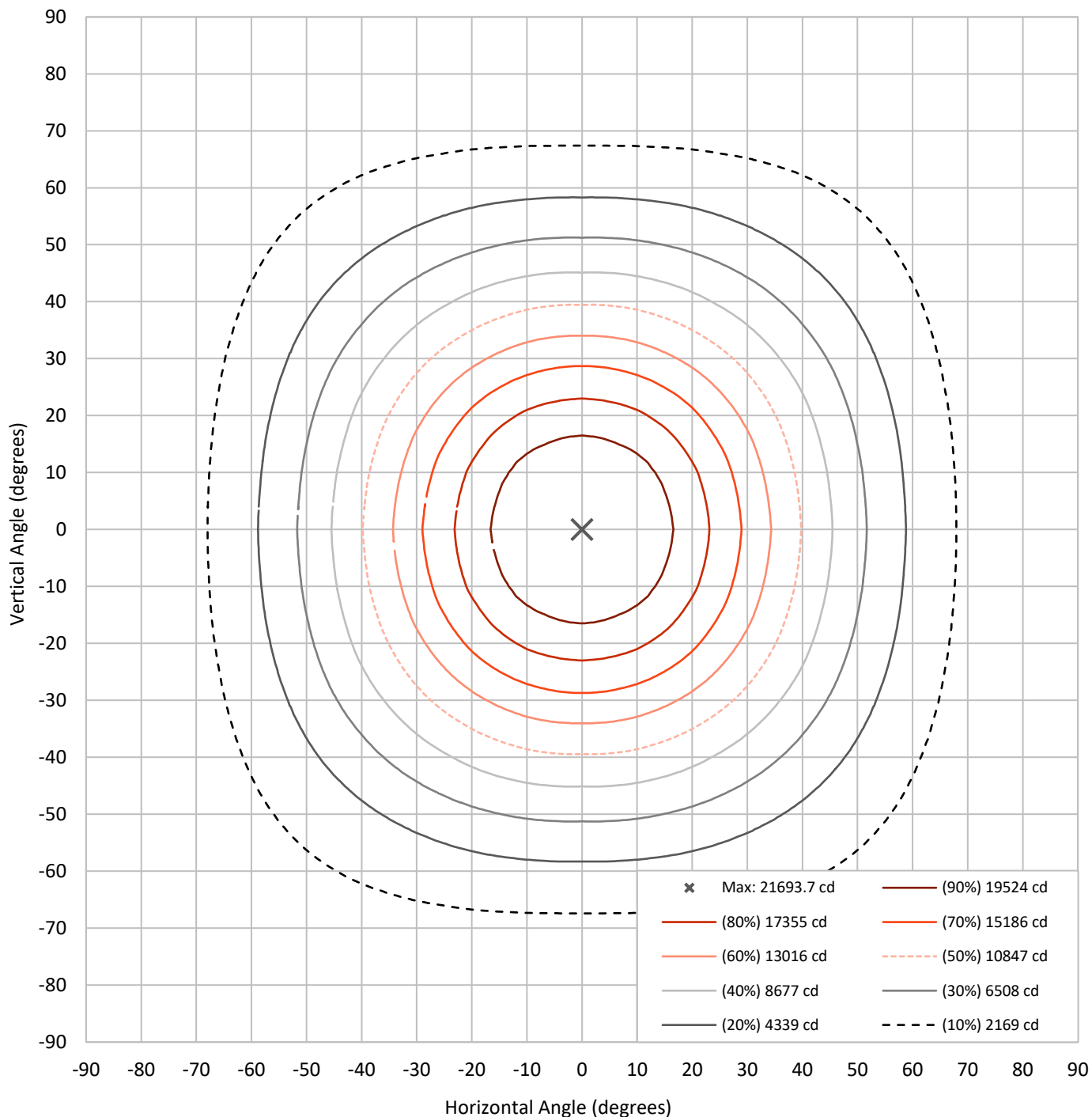
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	39209.5 lumens	Max Intensity:	21693.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.0 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:	22996.6 lumens	Field Lumens:	37379.5 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	313.7		
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





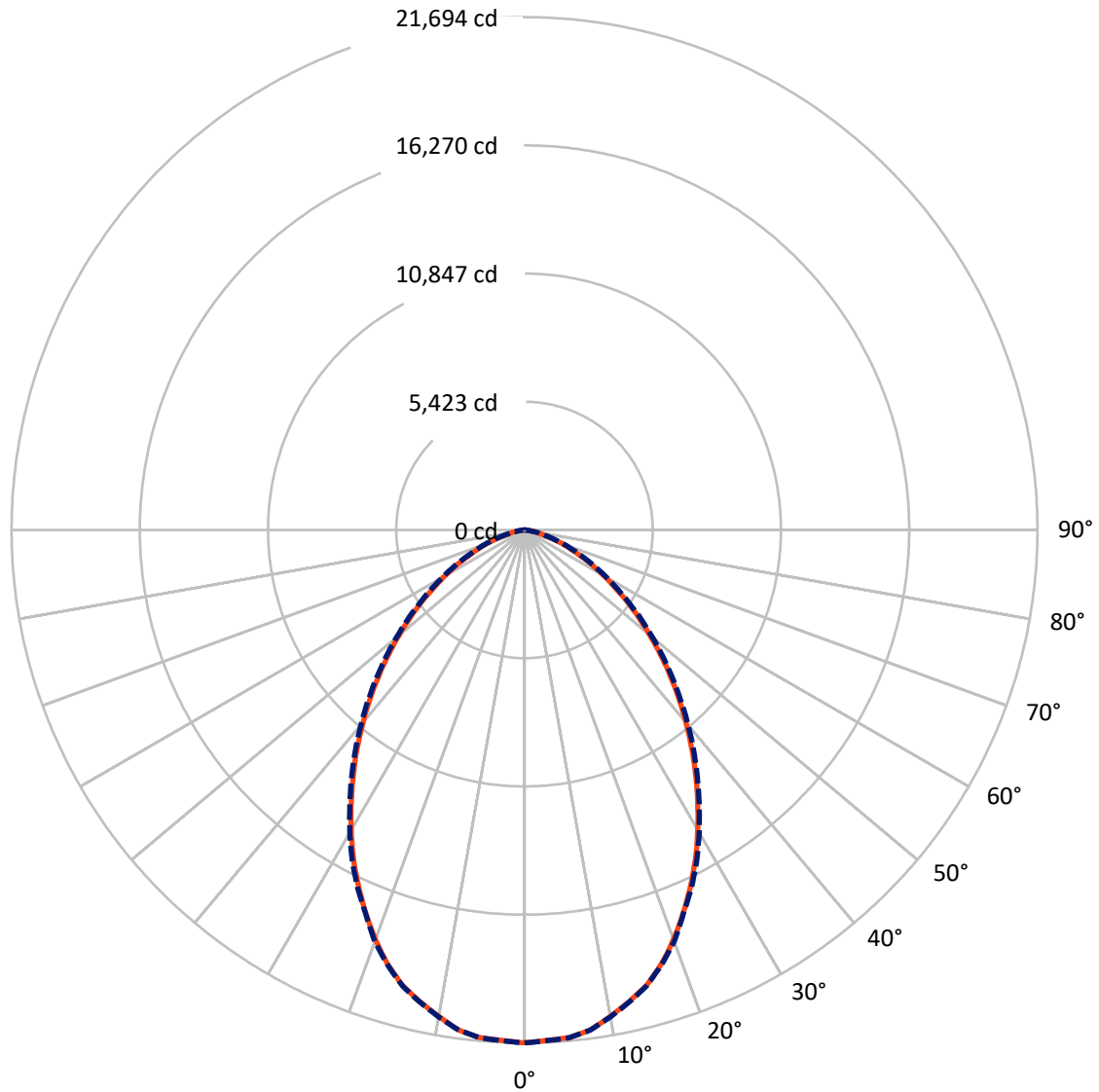
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### Lumen Table

90																			
80	1.3	16.1	43.7	74.3	70.0	74.3	43.7	16.1	1.3										
70																			
60	7.3	10.1	20.3	34.6	50.6	65.3	76.5	81.8	81.8	76.5	65.3	50.6	34.6	20.3	10.1	7.3			
50																			
40	12.8	15.1	33.0	58.8	89.1	121.0	147.3	161.0	161.0	147.3	121.0	89.1	58.8	33.0	15.1	12.8			
30																			
20	16.5	20.3	47.7	88.0	139.5	193.3	238.5	263.1	263.1	238.5	193.3	139.5	88.0	47.7	20.3	16.5			
10																			
0	17.9	25.6	63.2	121.2	195.2	273.7	340.8	378.9	378.9	340.8	273.7	195.2	121.2	63.2	25.6	17.9			
-10																			
-20	16.5	30.7	77.7	152.4	248.6	352.8	443.8	496.0	496.0	443.8	352.8	248.6	152.4	77.7	30.7	16.5			
-30																			
-40	12.8	34.6	89.0	175.7	290.2	417.0	528.9	592.5	592.5	528.9	417.0	290.2	175.7	89.0	34.6	12.8			
-50																			
-60	7.3	36.7	95.2	189.0	313.3	452.6	574.9	641.8	641.8	574.9	452.6	313.3	189.0	95.2	36.7	7.3			
-70																			
-80	1.3	36.7	95.2	189.0	313.3	452.6	574.9	641.8	641.8	574.9	452.6	313.3	189.0	95.2	36.7	1.3			
-90																			

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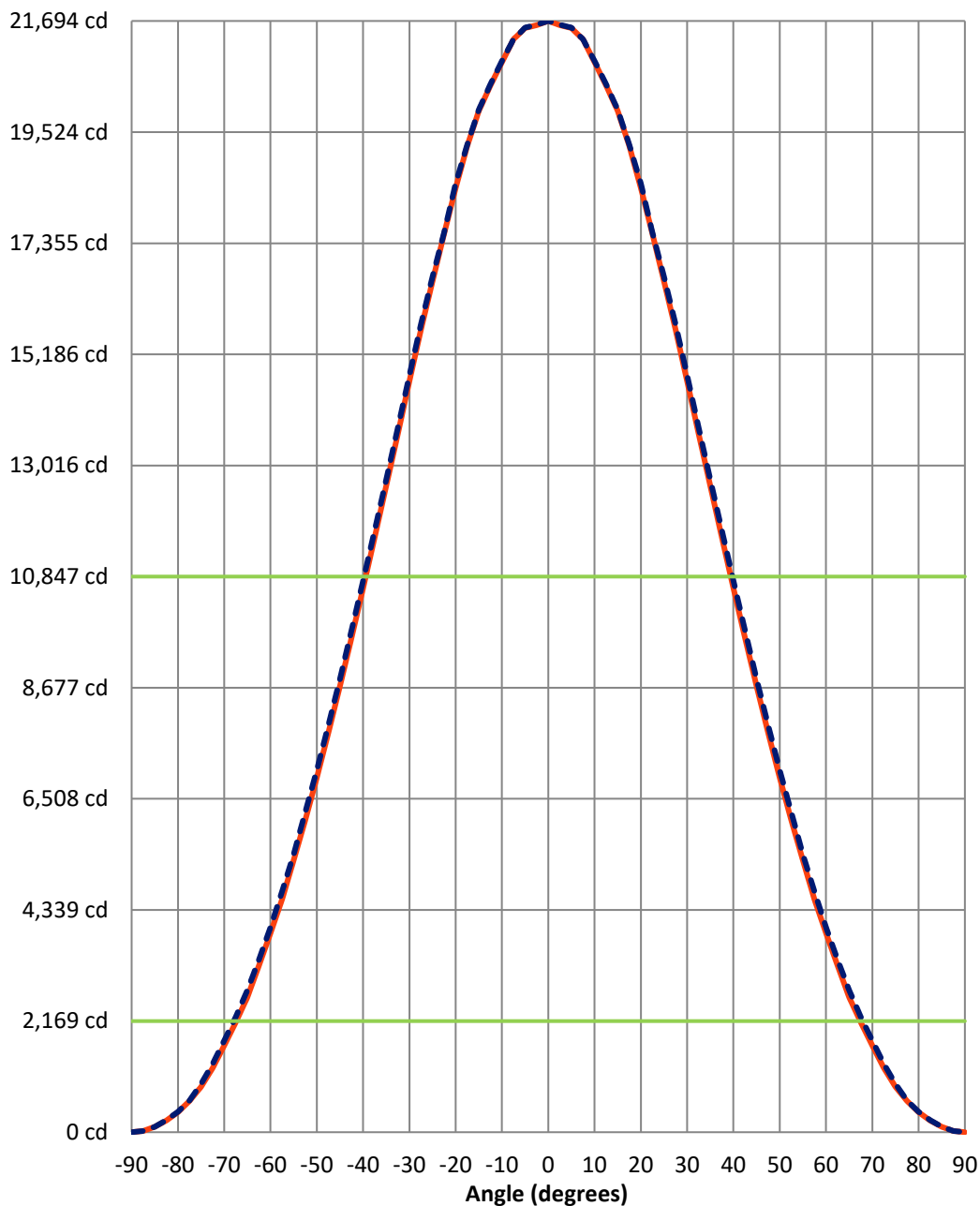
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 22996.6  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 37379.5  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 1830  
 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	1.2	2.8	4.2	5.6	7.0	8.4	9.8	11.1	12.4	13.7
85°	0.0	2.5	5.7	8.5	11.3	14.1	16.8	19.5	22.2	24.8	27.4
82.5°	0.0	3.7	8.5	12.7	16.9	21.0	25.2	29.2	36.6	57.6	77.8
80°	0.0	4.9	11.2	16.9	22.5	28.0	37.9	67.4	95.9	123.2	149.4
77.5°	0.0	6.1	14.0	21.0	28.0	43.9	82.5	119.8	154.8	188.5	230.2
75°	0.0	7.3	16.7	25.2	36.5	76.0	126.1	171.8	215.6	275.8	339.7
72.5°	0.0	8.5	19.3	29.2	58.2	107.2	168.4	227.6	296.4	369.7	447.3
70°	0.0	9.6	21.9	35.0	79.2	137.2	210.6	294.6	375.5	461.8	562.7
67.5°	0.0	10.8	24.4	48.0	99.3	166.0	261.2	360.1	453.0	562.0	677.6
65°	0.0	11.9	26.8	60.5	118.6	198.2	309.7	423.8	536.6	659.1	785.2
62.5°	0.0	12.9	29.1	72.4	136.8	233.6	355.7	490.2	617.4	752.0	881.3
60°	0.0	14.0	31.4	83.6	154.0	267.0	399.0	556.3	695.2	838.9	976.2
57.5°	0.0	14.9	37.7	94.2	176.8	298.3	444.7	617.8	771.9	924.3	1066.1
55°	0.0	15.9	43.9	104.1	198.6	327.5	487.9	670.9	847.3	1006.8	1152.4
52.5°	0.0	16.8	49.8	113.2	218.9	355.2	528.0	726.1	921.0	1082.7	1236.4
50°	0.0	17.7	55.5	121.6	237.5	384.6	564.6	778.6	991.0	1156.4	1332.8
47.5°	0.0	18.5	61.0	130.2	254.5	411.5	599.0	827.4	1054.4	1227.7	1427.2
45°	0.0	19.3	66.1	141.5	269.8	435.7	637.2	872.4	1103.7	1308.4	1517.6
42.5°	0.0	20.0	71.0	151.8	283.4	457.3	672.3	913.8	1150.9	1385.6	1624.0
40°	0.0	20.7	75.6	162.2	297.0	476.1	704.1	953.0	1200.0	1457.9	1727.6
37.5°	0.0	21.3	79.9	172.6	310.5	492.1	732.6	990.1	1255.0	1526.6	1824.8
35°	0.0	21.9	83.9	182.2	322.1	510.7	757.7	1025.1	1308.7	1605.6	1922.8
32.5°	0.0	22.4	87.6	191.1	331.7	529.3	781.0	1057.8	1360.8	1681.6	2026.5
30°	0.0	22.9	90.9	199.2	339.5	545.2	805.1	1090.6	1411.0	1754.2	2123.5
27.5°	0.0	23.3	94.0	206.5	351.1	558.4	826.8	1128.6	1462.7	1823.1	2213.4
25°	0.0	23.7	96.7	213.1	362.0	568.8	845.9	1164.0	1516.7	1893.2	2296.7
22.5°	0.0	24.0	99.1	218.9	371.6	579.3	862.3	1196.3	1566.3	1959.6	2385.2
20°	0.0	24.2	101.1	224.0	379.9	593.7	875.8	1225.5	1611.3	2018.9	2464.7
17.5°	0.0	24.4	102.8	228.2	386.8	605.4	892.7	1251.1	1651.5	2071.0	2534.7
15°	0.0	24.6	104.2	231.6	392.4	614.6	910.2	1275.5	1686.4	2115.6	2595.2
12.5°	0.0	24.7	105.3	234.3	396.7	621.2	924.5	1298.5	1717.9	2152.7	2645.7
10°	0.0	24.7	106.0	236.1	399.6	625.3	935.4	1316.2	1745.2	2187.5	2688.3
7.5°	0.0	24.7	106.4	237.2	401.3	627.0	942.8	1328.6	1766.1	2215.5	2725.2
5°	0.0	24.7	106.5	237.5	401.6	626.2	946.6	1335.6	1780.6	2235.8	2751.5
2.5°	0.0	24.6	106.3	237.0	400.6	623.2	946.8	1337.2	1788.2	2248.1	2767.4
0°	0.0	24.4	105.7	235.8	398.4	618.0	943.2	1333.5	1788.8	2252.3	2772.7
-2.5°	0.0	24.6	106.3	237.0	400.6	623.2	946.8	1337.2	1788.2	2248.1	2767.4
-5°	0.0	24.7	106.5	237.5	401.6	626.2	946.6	1335.6	1780.6	2235.8	2751.5
-7.5°	0.0	24.7	106.4	237.2	401.3	627.0	942.8	1328.6	1766.1	2215.5	2725.2
-10°	0.0	24.7	106.0	236.1	399.6	625.3	935.4	1316.2	1745.2	2187.5	2688.3
-12.5°	0.0	24.7	105.3	234.3	396.7	621.2	924.5	1298.5	1717.9	2152.7	2645.7
-15°	0.0	24.6	104.2	231.6	392.4	614.6	910.2	1275.5	1686.4	2115.6	2595.2
-17.5°	0.0	24.4	102.8	228.2	386.8	605.4	892.7	1251.1	1651.5	2071.0	2534.7
-20°	0.0	24.2	101.1	224.0	379.9	593.7	875.8	1225.5	1611.3	2018.9	2464.7

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5E-730-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.0	99.1	218.9	371.6	579.3	862.3	1196.3	1566.3	1959.6	2385.2
-25°	0.0	23.7	96.7	213.1	362.0	568.8	845.9	1164.0	1516.7	1893.2	2296.7
-27.5°	0.0	23.3	94.0	206.5	351.1	558.4	826.8	1128.6	1462.7	1823.1	2213.4
-30°	0.0	22.9	90.9	199.2	339.5	545.2	805.1	1090.6	1411.0	1754.2	2123.5
-32.5°	0.0	22.4	87.6	191.1	331.7	529.3	781.0	1057.8	1360.8	1681.6	2026.5
-35°	0.0	21.9	83.9	182.2	322.1	510.7	757.7	1025.1	1308.7	1605.6	1922.8
-37.5°	0.0	21.3	79.9	172.6	310.5	492.1	732.6	990.1	1255.0	1526.6	1824.8
-40°	0.0	20.7	75.6	162.2	297.0	476.1	704.1	953.0	1200.0	1457.9	1727.6
-42.5°	0.0	20.0	71.0	151.8	283.4	457.3	672.3	913.8	1150.9	1385.6	1624.0
-45°	0.0	19.3	66.1	141.5	269.8	435.7	637.2	872.4	1103.7	1308.4	1517.6
-47.5°	0.0	18.5	61.0	130.2	254.5	411.5	599.0	827.4	1054.4	1227.7	1427.2
-50°	0.0	17.7	55.5	121.6	237.5	384.6	564.6	778.6	991.0	1156.4	1332.8
-52.5°	0.0	16.8	49.8	113.2	218.9	355.2	528.0	726.1	921.0	1082.7	1236.4
-55°	0.0	15.9	43.9	104.1	198.6	327.5	487.9	670.9	847.3	1006.8	1152.4
-57.5°	0.0	14.9	37.7	94.2	176.8	298.3	444.7	617.8	771.9	924.3	1066.1
-60°	0.0	14.0	31.4	83.6	154.0	267.0	399.0	556.3	695.2	838.9	976.2
-62.5°	0.0	12.9	29.1	72.4	136.8	233.6	355.7	490.2	617.4	752.0	881.3
-65°	0.0	11.9	26.8	60.5	118.6	198.2	309.7	423.8	536.6	659.1	785.2
-67.5°	0.0	10.8	24.4	48.0	99.3	166.0	261.2	360.1	453.0	562.0	677.6
-70°	0.0	9.6	21.9	35.0	79.2	137.2	210.6	294.6	375.5	461.8	562.7
-72.5°	0.0	8.5	19.3	29.2	58.2	107.2	168.4	227.6	296.4	369.7	447.3
-75°	0.0	7.3	16.7	25.2	36.5	76.0	126.1	171.8	215.6	275.8	339.7
-77.5°	0.0	6.1	14.0	21.0	28.0	43.9	82.5	119.8	154.8	188.5	230.2
-80°	0.0	4.9	11.2	16.9	22.5	28.0	37.9	67.4	95.9	123.2	149.4
-82.5°	0.0	3.7	8.5	12.7	16.9	21.0	25.2	29.2	36.6	57.6	77.8
-85°	0.0	2.5	5.7	8.5	11.3	14.1	16.8	19.5	22.2	24.8	27.4
-87.5°	0.0	1.2	2.8	4.2	5.6	7.0	8.4	9.8	11.1	12.4	13.7
-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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 CATALOG NUMBER: GFLD-SA5E-730-U-VWR-XX

**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°	15.9	18.3	20.8	23.3	23.5	23.5	23.4	23.0	24.0	24.9	25.8
85°	31.8	36.5	50.7	64.4	71.0	75.0	76.9	76.5	89.0	103.4	119.1
82.5°	98.9	119.3	138.8	157.3	162.1	162.2	160.6	161.1	190.3	223.8	258.2
80°	176.2	202.0	236.3	266.8	280.0	286.8	289.9	289.4	326.4	375.7	427.5
77.5°	279.5	323.0	360.9	393.1	410.5	425.8	438.3	447.9	495.5	557.8	619.6
75°	397.2	445.0	492.4	533.8	562.7	584.2	604.2	636.3	698.6	771.3	834.6
72.5°	521.4	582.4	635.3	680.2	720.8	763.9	812.2	865.0	930.8	1003.4	1069.6
70°	654.1	721.1	776.5	830.6	885.9	950.5	1022.9	1094.1	1167.5	1247.6	1324.7
67.5°	783.8	848.5	913.7	982.0	1064.7	1151.2	1236.8	1335.1	1435.6	1524.6	1604.2
65°	896.5	972.3	1053.9	1146.6	1248.9	1358.7	1473.0	1590.8	1718.3	1825.1	1922.5
62.5°	1004.1	1095.3	1194.5	1309.9	1440.4	1570.4	1716.2	1863.7	2007.1	2133.1	2249.4
60°	1103.3	1213.8	1339.2	1480.7	1633.0	1805.9	1971.8	2139.6	2296.9	2439.5	2586.7
57.5°	1199.9	1338.8	1489.4	1659.2	1851.8	2046.0	2241.0	2421.5	2599.6	2773.4	2939.7
55°	1302.0	1469.5	1648.6	1857.0	2074.0	2303.7	2513.8	2715.2	2911.5	3122.3	3322.7
52.5°	1414.4	1601.5	1825.6	2058.9	2309.6	2556.1	2786.9	3016.3	3253.5	3492.1	3753.1
50°	1522.8	1756.1	2001.8	2273.0	2543.8	2808.0	3072.6	3336.8	3621.1	3913.8	4209.4
47.5°	1649.6	1904.1	2194.3	2485.1	2781.1	3075.1	3369.9	3689.3	4012.2	4351.6	4678.7
45°	1777.8	2064.0	2376.6	2705.6	3025.6	3351.0	3695.8	4048.9	4427.6	4800.8	5194.2
42.5°	1899.3	2222.8	2567.5	2922.8	3278.7	3642.3	4021.5	4433.9	4847.7	5278.2	5710.5
40°	2034.0	2373.9	2753.9	3145.3	3531.5	3934.6	4368.0	4814.6	5282.8	5756.1	6225.6
37.5°	2163.4	2537.1	2936.5	3357.7	3791.2	4234.2	4704.8	5211.7	5719.5	6228.9	6746.6
35°	2284.6	2691.8	3124.5	3571.6	4031.4	4535.2	5061.3	5602.4	6152.5	6703.5	7260.4
32.5°	2409.3	2837.7	3304.0	3782.6	4289.2	4829.5	5405.7	5992.1	6578.0	7166.3	7775.9
30°	2534.3	2990.7	3477.9	3982.1	4536.3	5125.0	5744.2	6365.3	6985.2	7632.5	8282.2
27.5°	2652.4	3135.9	3648.8	4188.3	4773.0	5398.6	6056.2	6721.5	7389.9	8078.2	8771.1
25°	2761.2	3273.3	3807.5	4386.8	5006.5	5661.8	6346.9	7041.2	7774.1	8510.7	9234.2
22.5°	2867.2	3399.6	3954.4	4569.6	5218.0	5906.2	6619.6	7352.8	8118.7	8909.7	9658.5
20°	2969.2	3519.9	4097.3	4735.3	5407.5	6126.3	6867.5	7635.2	8438.8	9250.9	10056.4
17.5°	3059.8	3626.8	4230.4	4890.1	5588.3	6327.5	7090.8	7883.8	8723.2	9565.0	10418.4
15°	3138.7	3719.8	4345.7	5025.3	5748.1	6510.4	7298.1	8113.7	8974.6	9851.2	10738.4
12.5°	3205.4	3798.6	4442.7	5140.2	5883.8	6667.2	7476.3	8320.5	9204.7	10105.8	11018.7
10°	3259.6	3862.8	4521.3	5234.1	5994.5	6796.9	7623.0	8491.0	9401.6	10322.3	11254.5
7.5°	3305.8	3916.3	4583.5	5306.6	6079.9	6898.4	7737.2	8624.0	9558.5	10491.2	11443.9
5°	3339.4	3959.7	4640.8	5367.2	6154.1	6977.7	7823.8	8718.7	9673.3	10611.4	11581.2
2.5°	3359.6	3987.9	4679.8	5406.6	6212.5	7037.1	7900.7	8802.5	9757.3	10706.9	11684.4
0°	3366.3	4000.5	4699.8	5423.4	6244.7	7065.9	7944.1	8846.6	9797.9	10765.5	11749.4
-2.5°	3359.6	3987.9	4679.8	5406.6	6212.5	7037.1	7900.7	8802.5	9757.3	10706.9	11684.4
-5°	3339.4	3959.7	4640.8	5367.2	6154.1	6977.7	7823.8	8718.7	9673.3	10611.4	11581.2
-7.5°	3305.8	3916.3	4583.5	5306.6	6079.9	6898.4	7737.2	8624.0	9558.5	10491.2	11443.9
-10°	3259.6	3862.8	4521.3	5234.1	5994.5	6796.9	7623.0	8491.0	9401.6	10322.3	11254.5
-12.5°	3205.4	3798.6	4442.7	5140.2	5883.8	6667.2	7476.3	8320.5	9204.7	10105.8	11018.7
-15°	3138.7	3719.8	4345.7	5025.3	5748.1	6510.4	7298.1	8113.7	8974.6	9851.2	10738.4
-17.5°	3059.8	3626.8	4230.4	4890.1	5588.3	6327.5	7090.8	7883.8	8723.2	9565.0	10418.4
-20°	2969.2	3519.9	4097.3	4735.3	5407.5	6126.3	6867.5	7635.2	8438.8	9250.9	10056.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	2867.2	3399.6	3954.4	4569.6	5218.0	5906.2	6619.6	7352.8	8118.7	8909.7	9658.5
-25°	2761.2	3273.3	3807.5	4386.8	5006.5	5661.8	6346.9	7041.2	7774.1	8510.7	9234.2
-27.5°	2652.4	3135.9	3648.8	4188.3	4773.0	5398.6	6056.2	6721.5	7389.9	8078.2	8771.1
-30°	2534.3	2990.7	3477.9	3982.1	4536.3	5125.0	5744.2	6365.3	6985.2	7632.5	8282.2
-32.5°	2409.3	2837.7	3304.0	3782.6	4289.2	4829.5	5405.7	5992.1	6578.0	7166.3	7775.9
-35°	2284.6	2691.8	3124.5	3571.6	4031.4	4535.2	5061.3	5602.4	6152.5	6703.5	7260.4
-37.5°	2163.4	2537.1	2936.5	3357.7	3791.2	4234.2	4704.8	5211.7	5719.5	6228.9	6746.6
-40°	2034.0	2373.9	2753.9	3145.3	3531.5	3934.6	4368.0	4814.6	5282.8	5756.1	6225.6
-42.5°	1899.3	2222.8	2567.5	2922.8	3278.7	3642.3	4021.5	4433.9	4847.7	5278.2	5710.5
-45°	1777.8	2064.0	2376.6	2705.6	3025.6	3351.0	3695.8	4048.9	4427.6	4800.8	5194.2
-47.5°	1649.6	1904.1	2194.3	2485.1	2781.1	3075.1	3369.9	3689.3	4012.2	4351.6	4678.7
-50°	1522.8	1756.1	2001.8	2273.0	2543.8	2808.0	3072.6	3336.8	3621.1	3913.8	4209.4
-52.5°	1414.4	1601.5	1825.6	2058.9	2309.6	2556.1	2786.9	3016.3	3253.5	3492.1	3753.1
-55°	1302.0	1469.5	1648.6	1857.0	2074.0	2303.7	2513.8	2715.2	2911.5	3122.3	3322.7
-57.5°	1199.9	1338.8	1489.4	1659.2	1851.8	2046.0	2241.0	2421.5	2599.6	2773.4	2939.7
-60°	1103.3	1213.8	1339.2	1480.7	1633.0	1805.9	1971.8	2139.6	2296.9	2439.5	2586.7
-62.5°	1004.1	1095.3	1194.5	1309.9	1440.4	1570.4	1716.2	1863.7	2007.1	2133.1	2249.4
-65°	896.5	972.3	1053.9	1146.6	1248.9	1358.7	1473.0	1590.8	1718.3	1825.1	1922.5
-67.5°	783.8	848.5	913.7	982.0	1064.7	1151.2	1236.8	1335.1	1435.6	1524.6	1604.2
-70°	654.1	721.1	776.5	830.6	885.9	950.5	1022.9	1094.1	1167.5	1247.6	1324.7
-72.5°	521.4	582.4	635.3	680.2	720.8	763.9	812.2	865.0	930.8	1003.4	1069.6
-75°	397.2	445.0	492.4	533.8	562.7	584.2	604.2	636.3	698.6	771.3	834.6
-77.5°	279.5	323.0	360.9	393.1	410.5	425.8	438.3	447.9	495.5	557.8	619.6
-80°	176.2	202.0	236.3	266.8	280.0	286.8	289.9	289.4	326.4	375.7	427.5
-82.5°	98.9	119.3	138.8	157.3	162.1	162.2	160.6	161.1	190.3	223.8	258.2
-85°	31.8	36.5	50.7	64.4	71.0	75.0	76.9	76.5	89.0	103.4	119.1
-87.5°	15.9	18.3	20.8	23.3	23.5	23.5	23.4	23.0	24.0	24.9	25.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	26.6	27.4	28.1	28.8	29.5	30.0	30.5	31.0	31.4	29.8	28.0
85°	135.8	145.4	154.4	163.0	171.2	178.9	186.2	192.9	199.1	181.9	162.8
82.5°	293.3	316.8	339.2	361.5	383.5	389.2	390.9	390.1	387.1	356.7	323.2
80°	478.8	518.6	556.2	593.5	630.2	634.4	630.2	622.7	612.0	572.2	527.1
77.5°	681.2	731.4	775.3	815.6	852.2	859.1	858.1	856.3	853.3	812.7	763.6
75°	888.8	937.9	985.2	1025.5	1059.1	1074.5	1082.0	1087.3	1090.3	1061.1	1023.0
72.5°	1129.4	1180.5	1222.3	1261.4	1294.4	1318.3	1335.5	1348.5	1357.3	1348.5	1332.9
70°	1390.5	1445.3	1491.4	1535.5	1580.4	1616.3	1643.5	1663.1	1675.6	1683.8	1689.6
67.5°	1684.5	1758.1	1822.2	1877.0	1931.2	1982.1	2023.9	2058.0	2084.4	2106.8	2124.0
65°	2015.8	2109.8	2193.1	2269.6	2339.8	2413.5	2474.1	2524.9	2565.7	2599.5	2626.6
62.5°	2364.0	2479.2	2586.2	2690.0	2791.7	2891.9	2968.8	3038.8	3101.1	3154.6	3197.2
60°	2725.9	2856.7	3000.4	3137.4	3263.6	3378.8	3493.3	3592.4	3677.2	3747.6	3804.3
57.5°	3114.9	3284.4	3452.2	3622.5	3783.3	3933.9	4074.7	4199.0	4304.1	4390.2	4462.6
55°	3535.1	3747.1	3941.8	4156.5	4364.0	4552.9	4719.2	4865.3	4991.7	5097.6	5187.5
52.5°	3997.0	4254.7	4507.6	4751.9	4987.5	5206.6	5405.7	5575.9	5727.3	5857.1	5960.6
50°	4502.6	4797.4	5090.5	5362.3	5632.9	5885.4	6113.6	6311.2	6487.3	6639.9	6759.9
47.5°	5031.3	5366.8	5694.1	6005.3	6304.8	6585.4	6832.6	7057.7	7277.4	7456.5	7598.2
45°	5580.2	5956.7	6317.8	6673.5	7003.3	7317.9	7622.8	7903.2	8128.6	8325.9	8491.7
42.5°	6136.0	6555.8	6960.2	7348.2	7710.9	8074.7	8417.7	8724.2	8981.2	9205.7	9394.0
40°	6698.9	7158.5	7604.0	8027.1	8441.7	8838.4	9209.4	9532.6	9822.5	10089.0	10311.0
37.5°	7258.9	7764.6	8258.2	8732.2	9188.7	9618.4	10019.2	10384.4	10711.6	11015.2	11261.7
35°	7821.5	8376.3	8916.6	9438.2	9936.9	10411.1	10849.9	11265.5	11651.0	11958.5	12210.8
32.5°	8381.8	8978.3	9566.4	10140.6	10686.4	11197.6	11673.1	12132.3	12528.9	12866.9	13156.9
30°	8924.1	9570.3	10210.6	10833.2	11422.8	11976.8	12503.2	12988.8	13415.4	13785.0	14110.3
27.5°	9456.2	10150.4	10837.4	11502.6	12140.1	12742.0	13316.6	13843.1	14308.6	14710.4	15053.4
25°	9959.1	10705.2	11437.6	12142.8	12823.8	13487.7	14108.1	14682.8	15180.0	15621.0	15973.4
22.5°	10439.6	11235.3	12004.8	12746.7	13475.1	14190.7	14870.0	15470.0	15996.9	16458.0	16848.0
20°	10887.2	11739.9	12527.2	13311.8	14079.0	14843.2	15572.4	16205.5	16763.1	17253.9	17683.9
17.5°	11305.7	12180.3	13009.2	13844.5	14653.2	15454.8	16195.7	16874.4	17475.9	17997.1	18447.4
15°	11659.9	12543.2	13448.4	14340.3	15193.1	16004.9	16745.0	17453.8	18121.7	18685.4	19142.0
12.5°	11946.7	12865.3	13809.7	14756.5	15658.3	16469.0	17244.0	17963.0	18664.5	19297.7	19717.4
10°	12191.2	13137.0	14112.0	15077.6	15991.5	16849.3	17691.8	18452.0	19141.3	19708.4	20177.0
7.5°	12402.6	13376.9	14367.1	15334.2	16245.0	17131.4	17998.7	18806.1	19502.0	20036.1	20454.2
5°	12558.4	13555.9	14565.2	15541.3	16464.8	17354.0	18225.2	19022.5	19701.8	20245.4	20701.3
2.5°	12670.0	13676.7	14693.4	15670.8	16614.8	17506.3	18399.2	19205.4	19863.3	20361.3	20797.9
0°	12741.4	13749.6	14774.2	15774.3	16701.2	17563.1	18522.6	19278.8	19961.8	20457.8	20913.1
-2.5°	12670.0	13676.7	14693.4	15670.8	16614.8	17506.3	18399.2	19205.4	19863.3	20361.3	20797.9
-5°	12558.4	13555.9	14565.2	15541.3	16464.8	17354.0	18225.2	19022.5	19701.8	20245.4	20701.3
-7.5°	12402.6	13376.9	14367.1	15334.2	16245.0	17131.4	17998.7	18806.1	19502.0	20036.1	20454.2
-10°	12191.2	13137.0	14112.0	15077.6	15991.5	16849.3	17691.8	18452.0	19141.3	19708.4	20177.0
-12.5°	11946.7	12865.3	13809.7	14756.5	15658.3	16469.0	17244.0	17963.0	18664.5	19297.7	19717.4
-15°	11659.9	12543.2	13448.4	14340.3	15193.1	16004.9	16745.0	17453.8	18121.7	18685.4	19142.0
-17.5°	11305.7	12180.3	13009.2	13844.5	14653.2	15454.8	16195.7	16874.4	17475.9	17997.1	18447.4
-20°	10887.2	11739.9	12527.2	13311.8	14079.0	14843.2	15572.4	16205.5	16763.1	17253.9	17683.9



REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	10439.6	11235.3	12004.8	12746.7	13475.1	14190.7	14870.0	15470.0	15996.9	16458.0	16848.0
-25°	9959.1	10705.2	11437.6	12142.8	12823.8	13487.7	14108.1	14682.8	15180.0	15621.0	15973.4
-27.5°	9456.2	10150.4	10837.4	11502.6	12140.1	12742.0	13316.6	13843.1	14308.6	14710.4	15053.4
-30°	8924.1	9570.3	10210.6	10833.2	11422.8	11976.8	12503.2	12988.8	13415.4	13785.0	14110.3
-32.5°	8381.8	8978.3	9566.4	10140.6	10686.4	11197.6	11673.1	12132.3	12528.9	12866.9	13156.9
-35°	7821.5	8376.3	8916.6	9438.2	9936.9	10411.1	10849.9	11265.5	11651.0	11958.5	12210.8
-37.5°	7258.9	7764.6	8258.2	8732.2	9188.7	9618.4	10019.2	10384.4	10711.6	11015.2	11261.7
-40°	6698.9	7158.5	7604.0	8027.1	8441.7	8838.4	9209.4	9532.6	9822.5	10089.0	10311.0
-42.5°	6136.0	6555.8	6960.2	7348.2	7710.9	8074.7	8417.7	8724.2	8981.2	9205.7	9394.0
-45°	5580.2	5956.7	6317.8	6673.5	7003.3	7317.9	7622.8	7903.2	8128.6	8325.9	8491.7
-47.5°	5031.3	5366.8	5694.1	6005.3	6304.8	6585.4	6832.6	7057.7	7277.4	7456.5	7598.2
-50°	4502.6	4797.4	5090.5	5362.3	5632.9	5885.4	6113.6	6311.2	6487.3	6639.9	6759.9
-52.5°	3997.0	4254.7	4507.6	4751.9	4987.5	5206.6	5405.7	5575.9	5727.3	5857.1	5960.6
-55°	3535.1	3747.1	3941.8	4156.5	4364.0	4552.9	4719.2	4865.3	4991.7	5097.6	5187.5
-57.5°	3114.9	3284.4	3452.2	3622.5	3783.3	3933.9	4074.7	4199.0	4304.1	4390.2	4462.6
-60°	2725.9	2856.7	3000.4	3137.4	3263.6	3378.8	3493.3	3592.4	3677.2	3747.6	3804.3
-62.5°	2364.0	2479.2	2586.2	2690.0	2791.7	2891.9	2968.8	3038.8	3101.1	3154.6	3197.2
-65°	2015.8	2109.8	2193.1	2269.6	2339.8	2413.5	2474.1	2524.9	2565.7	2599.5	2626.6
-67.5°	1684.5	1758.1	1822.2	1877.0	1931.2	1982.1	2023.9	2058.0	2084.4	2106.8	2124.0
-70°	1390.5	1445.3	1491.4	1535.5	1580.4	1616.3	1643.5	1663.1	1675.6	1683.8	1689.6
-72.5°	1129.4	1180.5	1222.3	1261.4	1294.4	1318.3	1335.5	1348.5	1357.3	1348.5	1332.9
-75°	888.8	937.9	985.2	1025.5	1059.1	1074.5	1082.0	1087.3	1090.3	1061.1	1023.0
-77.5°	681.2	731.4	775.3	815.6	852.2	859.1	858.1	856.3	853.3	812.7	763.6
-80°	478.8	518.6	556.2	593.5	630.2	634.4	630.2	622.7	612.0	572.2	527.1
-82.5°	293.3	316.8	339.2	361.5	383.5	389.2	390.9	390.1	387.1	356.7	323.2
-85°	135.8	145.4	154.4	163.0	171.2	178.9	186.2	192.9	199.1	181.9	162.8
-87.5°	26.6	27.4	28.1	28.8	29.5	30.0	30.5	31.0	31.4	29.8	28.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	26.2	24.3	24.4	24.4	24.4	24.3	26.2	28.0	29.8	31.4	31.0
85°	142.6	121.4	113.7	105.7	113.7	121.4	142.6	162.8	181.9	199.1	192.9
82.5°	287.9	251.3	239.6	227.7	239.6	251.3	287.9	323.2	356.7	387.1	390.1
80°	479.5	429.8	410.3	390.3	410.3	429.8	479.5	527.1	572.2	612.0	622.7
77.5°	711.6	657.0	633.7	609.8	633.7	657.0	711.6	763.6	812.7	853.3	856.3
75°	982.7	940.0	914.1	886.3	914.1	940.0	982.7	1023.0	1061.1	1090.3	1087.3
72.5°	1315.0	1294.2	1275.3	1252.2	1275.3	1294.2	1315.0	1332.9	1348.5	1357.3	1348.5
70°	1691.5	1688.9	1692.3	1691.3	1692.3	1688.9	1691.5	1689.6	1683.8	1675.6	1663.1
67.5°	2132.9	2133.4	2142.5	2146.6	2142.5	2133.4	2132.9	2124.0	2106.8	2084.4	2058.0
65°	2643.4	2649.6	2647.3	2634.5	2647.3	2649.6	2643.4	2626.6	2599.5	2565.7	2524.9
62.5°	3227.5	3245.0	3254.7	3252.4	3254.7	3245.0	3227.5	3197.2	3154.6	3101.1	3038.8
60°	3846.7	3874.2	3888.1	3886.7	3888.1	3874.2	3846.7	3804.3	3747.6	3677.2	3592.4
57.5°	4516.5	4551.7	4560.0	4545.3	4560.0	4551.7	4516.5	4462.6	4390.2	4304.1	4199.0
55°	5255.3	5300.4	5317.8	5309.6	5317.8	5300.4	5255.3	5187.5	5097.6	4991.7	4865.3
52.5°	6036.5	6085.3	6102.6	6090.2	6102.6	6085.3	6036.5	5960.6	5857.1	5727.3	5575.9
50°	6848.0	6907.1	6930.9	6919.5	6930.9	6907.1	6848.0	6759.9	6639.9	6487.3	6311.2
47.5°	7709.2	7787.9	7818.5	7797.7	7818.5	7787.9	7709.2	7598.2	7456.5	7277.4	7057.7
45°	8615.5	8697.1	8728.8	8708.4	8728.8	8697.1	8615.5	8491.7	8325.9	8128.6	7903.2
42.5°	9538.0	9644.0	9688.9	9651.6	9688.9	9644.0	9538.0	9394.0	9205.7	8981.2	8724.2
40°	10476.8	10591.8	10644.9	10619.2	10644.9	10591.8	10476.8	10311.0	10089.0	9822.5	9532.6
37.5°	11439.7	11554.2	11610.4	11611.2	11610.4	11554.2	11439.7	11261.7	11015.2	10711.6	10384.4
35°	12406.2	12544.8	12623.2	12619.4	12623.2	12544.8	12406.2	12210.8	11958.5	11651.0	11265.5
32.5°	13386.2	13536.3	13616.4	13627.7	13616.4	13536.3	13386.2	13156.9	12866.9	12528.9	12132.3
30°	14364.5	14529.5	14622.3	14660.3	14622.3	14529.5	14364.5	14110.3	13785.0	13415.4	12988.8
27.5°	15313.3	15516.3	15656.4	15668.6	15656.4	15516.3	15313.3	15053.4	14710.4	14308.6	13843.1
25°	16232.1	16438.8	16582.5	16611.8	16582.5	16438.8	16232.1	15973.4	15621.0	15180.0	14682.8
22.5°	17137.8	17353.8	17486.5	17538.7	17486.5	17353.8	17137.8	16848.0	16458.0	15996.9	15470.0
20°	18002.3	18236.5	18377.1	18433.1	18377.1	18236.5	18002.3	17683.9	17253.9	16763.1	16205.5
17.5°	18784.4	19031.9	19205.5	19254.4	19205.5	19031.9	18784.4	18447.4	17997.1	17475.9	16874.4
15°	19472.8	19707.4	19872.3	19937.4	19872.3	19707.4	19472.8	19142.0	18685.4	18121.7	17453.8
12.5°	20033.0	20242.9	20372.1	20433.4	20372.1	20242.9	20033.0	19717.4	19297.7	18664.5	17963.0
10°	20470.7	20681.2	20804.6	20888.7	20804.6	20681.2	20470.7	20177.0	19708.4	19141.3	18452.0
7.5°	20850.5	21066.3	21217.3	21335.9	21217.3	21066.3	20850.5	20454.2	20036.1	19502.0	18806.1
5°	21060.2	21420.6	21474.7	21555.5	21474.7	21420.6	21060.2	20701.3	20245.4	19701.8	19022.5
2.5°	21220.2	21475.7	21629.3	21612.4	21629.3	21475.7	21220.2	20797.9	20361.3	19863.3	19205.4
0°	21335.9	21563.6	21620.5	21693.7	21620.5	21563.6	21335.9	20913.1	20457.8	19961.8	19278.8
-2.5°	21220.2	21475.7	21629.3	21612.4	21629.3	21475.7	21220.2	20797.9	20361.3	19863.3	19205.4
-5°	21060.2	21420.6	21474.7	21555.5	21474.7	21420.6	21060.2	20701.3	20245.4	19701.8	19022.5
-7.5°	20850.5	21066.3	21217.3	21335.9	21217.3	21066.3	20850.5	20454.2	20036.1	19502.0	18806.1
-10°	20470.7	20681.2	20804.6	20888.7	20804.6	20681.2	20470.7	20177.0	19708.4	19141.3	18452.0
-12.5°	20033.0	20242.9	20372.1	20433.4	20372.1	20242.9	20033.0	19717.4	19297.7	18664.5	17963.0
-15°	19472.8	19707.4	19872.3	19937.4	19872.3	19707.4	19472.8	19142.0	18685.4	18121.7	17453.8
-17.5°	18784.4	19031.9	19205.5	19254.4	19205.5	19031.9	18784.4	18447.4	17997.1	17475.9	16874.4
-20°	18002.3	18236.5	18377.1	18433.1	18377.1	18236.5	18002.3	17683.9	17253.9	16763.1	16205.5



REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	17137.8	17353.8	17486.5	17538.7	17486.5	17353.8	17137.8	16848.0	16458.0	15996.9	15470.0
-25°	16232.1	16438.8	16582.5	16611.8	16582.5	16438.8	16232.1	15973.4	15621.0	15180.0	14682.8
-27.5°	15313.3	15516.3	15656.4	15668.6	15656.4	15516.3	15313.3	15053.4	14710.4	14308.6	13843.1
-30°	14364.5	14529.5	14622.3	14660.3	14622.3	14529.5	14364.5	14110.3	13785.0	13415.4	12988.8
-32.5°	13386.2	13536.3	13616.4	13627.7	13616.4	13536.3	13386.2	13156.9	12866.9	12528.9	12132.3
-35°	12406.2	12544.8	12623.2	12619.4	12623.2	12544.8	12406.2	12210.8	11958.5	11651.0	11265.5
-37.5°	11439.7	11554.2	11610.4	11611.2	11610.4	11554.2	11439.7	11261.7	11015.2	10711.6	10384.4
-40°	10476.8	10591.8	10644.9	10619.2	10644.9	10591.8	10476.8	10311.0	10089.0	9822.5	9532.6
-42.5°	9538.0	9644.0	9688.9	9651.6	9688.9	9644.0	9538.0	9394.0	9205.7	8981.2	8724.2
-45°	8615.5	8697.1	8728.8	8708.4	8728.8	8697.1	8615.5	8491.7	8325.9	8128.6	7903.2
-47.5°	7709.2	7787.9	7818.5	7797.7	7818.5	7787.9	7709.2	7598.2	7456.5	7277.4	7057.7
-50°	6848.0	6907.1	6930.9	6919.5	6930.9	6907.1	6848.0	6759.9	6639.9	6487.3	6311.2
-52.5°	6036.5	6085.3	6102.6	6090.2	6102.6	6085.3	6036.5	5960.6	5857.1	5727.3	5575.9
-55°	5255.3	5300.4	5317.8	5309.6	5317.8	5300.4	5255.3	5187.5	5097.6	4991.7	4865.3
-57.5°	4516.5	4551.7	4560.0	4545.3	4560.0	4551.7	4516.5	4462.6	4390.2	4304.1	4199.0
-60°	3846.7	3874.2	3888.1	3886.7	3888.1	3874.2	3846.7	3804.3	3747.6	3677.2	3592.4
-62.5°	3227.5	3245.0	3254.7	3252.4	3254.7	3245.0	3227.5	3197.2	3154.6	3101.1	3038.8
-65°	2643.4	2649.6	2647.3	2634.5	2647.3	2649.6	2643.4	2626.6	2599.5	2565.7	2524.9
-67.5°	2132.9	2133.4	2142.5	2146.6	2142.5	2133.4	2132.9	2124.0	2106.8	2084.4	2058.0
-70°	1691.5	1688.9	1692.3	1691.3	1692.3	1688.9	1691.5	1689.6	1683.8	1675.6	1663.1
-72.5°	1315.0	1294.2	1275.3	1252.2	1275.3	1294.2	1315.0	1332.9	1348.5	1357.3	1348.5
-75°	982.7	940.0	914.1	886.3	914.1	940.0	982.7	1023.0	1061.1	1090.3	1087.3
-77.5°	711.6	657.0	633.7	609.8	633.7	657.0	711.6	763.6	812.7	853.3	856.3
-80°	479.5	429.8	410.3	390.3	410.3	429.8	479.5	527.1	572.2	612.0	622.7
-82.5°	287.9	251.3	239.6	227.7	239.6	251.3	287.9	323.2	356.7	387.1	390.1
-85°	142.6	121.4	113.7	105.7	113.7	121.4	142.6	162.8	181.9	199.1	192.9
-87.5°	26.2	24.3	24.4	24.4	24.4	24.3	26.2	28.0	29.8	31.4	31.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	30.5	30.0	29.5	28.8	28.1	27.4	26.6	25.8	24.9	24.0	23.0
85°	186.2	178.9	171.2	163.0	154.4	145.4	135.8	119.1	103.4	89.0	76.5
82.5°	390.9	389.2	383.5	361.5	339.2	316.8	293.3	258.2	223.8	190.3	161.1
80°	630.2	634.4	630.2	593.5	556.2	518.6	478.8	427.5	375.7	326.4	289.4
77.5°	858.1	859.1	852.2	815.6	775.3	731.4	681.2	619.6	557.8	495.5	447.9
75°	1082.0	1074.5	1059.1	1025.5	985.2	937.9	888.8	834.6	771.3	698.6	636.3
72.5°	1335.5	1318.3	1294.4	1261.4	1222.3	1180.5	1129.4	1069.6	1003.4	930.8	865.0
70°	1643.5	1616.3	1580.4	1535.5	1491.4	1445.3	1390.5	1324.7	1247.6	1167.5	1094.1
67.5°	2023.9	1982.1	1931.2	1877.0	1822.2	1758.1	1684.5	1604.2	1524.6	1435.6	1335.1
65°	2474.1	2413.5	2339.8	2269.6	2193.1	2109.8	2015.8	1922.5	1825.1	1718.3	1590.8
62.5°	2968.8	2891.9	2791.7	2690.0	2586.2	2479.2	2364.0	2249.4	2133.1	2007.1	1863.7
60°	3493.3	3378.8	3263.6	3137.4	3000.4	2856.7	2725.9	2586.7	2439.5	2296.9	2139.6
57.5°	4074.7	3933.9	3783.3	3622.5	3452.2	3284.4	3114.9	2939.7	2773.4	2599.6	2421.5
55°	4719.2	4552.9	4364.0	4156.5	3941.8	3747.1	3535.1	3322.7	3122.3	2911.5	2715.2
52.5°	5405.7	5206.6	4987.5	4751.9	4507.6	4254.7	3997.0	3753.1	3492.1	3253.5	3016.3
50°	6113.6	5885.4	5632.9	5362.3	5090.5	4797.4	4502.6	4209.4	3913.8	3621.1	3336.8
47.5°	6832.6	6585.4	6304.8	6005.3	5694.1	5366.8	5031.3	4678.7	4351.6	4012.2	3689.3
45°	7622.8	7317.9	7003.3	6673.5	6317.8	5956.7	5580.2	5194.2	4800.8	4427.6	4048.9
42.5°	8417.7	8074.7	7710.9	7348.2	6960.2	6555.8	6136.0	5710.5	5278.2	4847.7	4433.9
40°	9209.4	8838.4	8441.7	8027.1	7604.0	7158.5	6698.9	6225.6	5756.1	5282.8	4814.6
37.5°	10019.2	9618.4	9188.7	8732.2	8258.2	7764.6	7258.9	6746.6	6228.9	5719.5	5211.7
35°	10849.9	10411.1	9936.9	9438.2	8916.6	8376.3	7821.5	7260.4	6703.5	6152.5	5602.4
32.5°	11673.1	11197.6	10686.4	10140.6	9566.4	8978.3	8381.8	7775.9	7166.3	6578.0	5992.1
30°	12503.2	11976.8	11422.8	10833.2	10210.6	9570.3	8924.1	8282.2	7632.5	6985.2	6365.3
27.5°	13316.6	12742.0	12140.1	11502.6	10837.4	10150.4	9456.2	8771.1	8078.2	7389.9	6721.5
25°	14108.1	13487.7	12823.8	12142.8	11437.6	10705.2	9959.1	9234.2	8510.7	7774.1	7041.2
22.5°	14870.0	14190.7	13475.1	12746.7	12004.8	11235.3	10439.6	9658.5	8909.7	8118.7	7352.8
20°	15572.4	14843.2	14079.0	13311.8	12527.2	11739.9	10887.2	10056.4	9250.9	8438.8	7635.2
17.5°	16195.7	15454.8	14653.2	13844.5	13009.2	12180.3	11305.7	10418.4	9565.0	8723.2	7883.8
15°	16745.0	16004.9	15193.1	14340.3	13448.4	12543.2	11659.9	10738.4	9851.2	8974.6	8113.7
12.5°	17244.0	16469.0	15658.3	14756.5	13809.7	12865.3	11946.7	11018.7	10105.8	9204.7	8320.5
10°	17691.8	16849.3	15991.5	15077.6	14112.0	13137.0	12191.2	11254.5	10322.3	9401.6	8491.0
7.5°	17998.7	17131.4	16245.0	15334.2	14367.1	13376.9	12402.6	11443.9	10491.2	9558.5	8624.0
5°	18225.2	17354.0	16464.8	15541.3	14565.2	13555.9	12558.4	11581.2	10611.4	9673.3	8718.7
2.5°	18399.2	17506.3	16614.8	15670.8	14693.4	13676.7	12670.0	11684.4	10706.9	9757.3	8802.5
0°	18522.6	17563.1	16701.2	15774.3	14774.2	13749.6	12741.4	11749.4	10765.5	9797.9	8846.6
-2.5°	18399.2	17506.3	16614.8	15670.8	14693.4	13676.7	12670.0	11684.4	10706.9	9757.3	8802.5
-5°	18225.2	17354.0	16464.8	15541.3	14565.2	13555.9	12558.4	11581.2	10611.4	9673.3	8718.7
-7.5°	17998.7	17131.4	16245.0	15334.2	14367.1	13376.9	12402.6	11443.9	10491.2	9558.5	8624.0
-10°	17691.8	16849.3	15991.5	15077.6	14112.0	13137.0	12191.2	11254.5	10322.3	9401.6	8491.0
-12.5°	17244.0	16469.0	15658.3	14756.5	13809.7	12865.3	11946.7	11018.7	10105.8	9204.7	8320.5
-15°	16745.0	16004.9	15193.1	14340.3	13448.4	12543.2	11659.9	10738.4	9851.2	8974.6	8113.7
-17.5°	16195.7	15454.8	14653.2	13844.5	13009.2	12180.3	11305.7	10418.4	9565.0	8723.2	7883.8
-20°	15572.4	14843.2	14079.0	13311.8	12527.2	11739.9	10887.2	10056.4	9250.9	8438.8	7635.2



REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5E-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°	14870.0	14190.7	13475.1	12746.7	12004.8	11235.3	10439.6	9658.5	8909.7	8118.7	7352.8
-25°	14108.1	13487.7	12823.8	12142.8	11437.6	10705.2	9959.1	9234.2	8510.7	7774.1	7041.2
-27.5°	13316.6	12742.0	12140.1	11502.6	10837.4	10150.4	9456.2	8771.1	8078.2	7389.9	6721.5
-30°	12503.2	11976.8	11422.8	10833.2	10210.6	9570.3	8924.1	8282.2	7632.5	6985.2	6365.3
-32.5°	11673.1	11197.6	10686.4	10140.6	9566.4	8978.3	8381.8	7775.9	7166.3	6578.0	5992.1
-35°	10849.9	10411.1	9936.9	9438.2	8916.6	8376.3	7821.5	7260.4	6703.5	6152.5	5602.4
-37.5°	10019.2	9618.4	9188.7	8732.2	8258.2	7764.6	7258.9	6746.6	6228.9	5719.5	5211.7
-40°	9209.4	8838.4	8441.7	8027.1	7604.0	7158.5	6698.9	6225.6	5756.1	5282.8	4814.6
-42.5°	8417.7	8074.7	7710.9	7348.2	6960.2	6555.8	6136.0	5710.5	5278.2	4847.7	4433.9
-45°	7622.8	7317.9	7003.3	6673.5	6317.8	5956.7	5580.2	5194.2	4800.8	4427.6	4048.9
-47.5°	6832.6	6585.4	6304.8	6005.3	5694.1	5366.8	5031.3	4678.7	4351.6	4012.2	3689.3
-50°	6113.6	5885.4	5632.9	5362.3	5090.5	4797.4	4502.6	4209.4	3913.8	3621.1	3336.8
-52.5°	5405.7	5206.6	4987.5	4751.9	4507.6	4254.7	3997.0	3753.1	3492.1	3253.5	3016.3
-55°	4719.2	4552.9	4364.0	4156.5	3941.8	3747.1	3535.1	3322.7	3122.3	2911.5	2715.2
-57.5°	4074.7	3933.9	3783.3	3622.5	3452.2	3284.4	3114.9	2939.7	2773.4	2599.6	2421.5
-60°	3493.3	3378.8	3263.6	3137.4	3000.4	2856.7	2725.9	2586.7	2439.5	2296.9	2139.6
-62.5°	2968.8	2891.9	2791.7	2690.0	2586.2	2479.2	2364.0	2249.4	2133.1	2007.1	1863.7
-65°	2474.1	2413.5	2339.8	2269.6	2193.1	2109.8	2015.8	1922.5	1825.1	1718.3	1590.8
-67.5°	2023.9	1982.1	1931.2	1877.0	1822.2	1758.1	1684.5	1604.2	1524.6	1435.6	1335.1
-70°	1643.5	1616.3	1580.4	1535.5	1491.4	1445.3	1390.5	1324.7	1247.6	1167.5	1094.1
-72.5°	1335.5	1318.3	1294.4	1261.4	1222.3	1180.5	1129.4	1069.6	1003.4	930.8	865.0
-75°	1082.0	1074.5	1059.1	1025.5	985.2	937.9	888.8	834.6	771.3	698.6	636.3
-77.5°	858.1	859.1	852.2	815.6	775.3	731.4	681.2	619.6	557.8	495.5	447.9
-80°	630.2	634.4	630.2	593.5	556.2	518.6	478.8	427.5	375.7	326.4	289.4
-82.5°	390.9	389.2	383.5	361.5	339.2	316.8	293.3	258.2	223.8	190.3	161.1
-85°	186.2	178.9	171.2	163.0	154.4	145.4	135.8	119.1	103.4	89.0	76.5
-87.5°	30.5	30.0	29.5	28.8	28.1	27.4	26.6	25.8	24.9	24.0	23.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P627751 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-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°	23.4	23.5	23.5	23.3	20.8	18.3	15.9	13.7	12.4	11.1	9.8
85°	76.9	75.0	71.0	64.4	50.7	36.5	31.8	27.4	24.8	22.2	19.5
82.5°	160.6	162.2	162.1	157.3	138.8	119.3	98.9	77.8	57.6	36.6	29.2
80°	289.9	286.8	280.0	266.8	236.3	202.0	176.2	149.4	123.2	95.9	67.4
77.5°	438.3	425.8	410.5	393.1	360.9	323.0	279.5	230.2	188.5	154.8	119.8
75°	604.2	584.2	562.7	533.8	492.4	445.0	397.2	339.7	275.8	215.6	171.8
72.5°	812.2	763.9	720.8	680.2	635.3	582.4	521.4	447.3	369.7	296.4	227.6
70°	1022.9	950.5	885.9	830.6	776.5	721.1	654.1	562.7	461.8	375.5	294.6
67.5°	1236.8	1151.2	1064.7	982.0	913.7	848.5	783.8	677.6	562.0	453.0	360.1
65°	1473.0	1358.7	1248.9	1146.6	1053.9	972.3	896.5	785.2	659.1	536.6	423.8
62.5°	1716.2	1570.4	1440.4	1309.9	1194.5	1095.3	1004.1	881.3	752.0	617.4	490.2
60°	1971.8	1805.9	1633.0	1480.7	1339.2	1213.8	1103.3	976.2	838.9	695.2	556.3
57.5°	2241.0	2046.0	1851.8	1659.2	1489.4	1338.8	1199.9	1066.1	924.3	771.9	617.8
55°	2513.8	2303.7	2074.0	1857.0	1648.6	1469.5	1302.0	1152.4	1006.8	847.3	670.9
52.5°	2786.9	2556.1	2309.6	2058.9	1825.6	1601.5	1414.4	1236.4	1082.7	921.0	726.1
50°	3072.6	2808.0	2543.8	2273.0	2001.8	1756.1	1522.8	1332.8	1156.4	991.0	778.6
47.5°	3369.9	3075.1	2781.1	2485.1	2194.3	1904.1	1649.6	1427.2	1227.7	1054.4	827.4
45°	3695.8	3351.0	3025.6	2705.6	2376.6	2064.0	1777.8	1517.6	1308.4	1103.7	872.4
42.5°	4021.5	3642.3	3278.7	2922.8	2567.5	2222.8	1899.3	1624.0	1385.6	1150.9	913.8
40°	4368.0	3934.6	3531.5	3145.3	2753.9	2373.9	2034.0	1727.6	1457.9	1200.0	953.0
37.5°	4704.8	4234.2	3791.2	3357.7	2936.5	2537.1	2163.4	1824.8	1526.6	1255.0	990.1
35°	5061.3	4535.2	4031.4	3571.6	3124.5	2691.8	2284.6	1922.8	1605.6	1308.7	1025.1
32.5°	5405.7	4829.5	4289.2	3782.6	3304.0	2837.7	2409.3	2026.5	1681.6	1360.8	1057.8
30°	5744.2	5125.0	4536.3	3982.1	3477.9	2990.7	2534.3	2123.5	1754.2	1411.0	1090.6
27.5°	6056.2	5398.6	4773.0	4188.3	3648.8	3135.9	2652.4	2213.4	1823.1	1462.7	1128.6
25°	6346.9	5661.8	5006.5	4386.8	3807.5	3273.3	2761.2	2296.7	1893.2	1516.7	1164.0
22.5°	6619.6	5906.2	5218.0	4569.6	3954.4	3399.6	2867.2	2385.2	1959.6	1566.3	1196.3
20°	6867.5	6126.3	5407.5	4735.3	4097.3	3519.9	2969.2	2464.7	2018.9	1611.3	1225.5
17.5°	7090.8	6327.5	5588.3	4890.1	4230.4	3626.8	3059.8	2534.7	2071.0	1651.5	1251.1
15°	7298.1	6510.4	5748.1	5025.3	4345.7	3719.8	3138.7	2595.2	2115.6	1686.4	1275.5
12.5°	7476.3	6667.2	5883.8	5140.2	4442.7	3798.6	3205.4	2645.7	2152.7	1717.9	1298.5
10°	7623.0	6796.9	5994.5	5234.1	4521.3	3862.8	3259.6	2688.3	2187.5	1745.2	1316.2
7.5°	7737.2	6898.4	6079.9	5306.6	4583.5	3916.3	3305.8	2725.2	2215.5	1766.1	1328.6
5°	7823.8	6977.7	6154.1	5367.2	4640.8	3959.7	3339.4	2751.5	2235.8	1780.6	1335.6
2.5°	7900.7	7037.1	6212.5	5406.6	4679.8	3987.9	3359.6	2767.4	2248.1	1788.2	1337.2
0°	7944.1	7065.9	6244.7	5423.4	4699.8	4000.5	3366.3	2772.7	2252.3	1788.8	1333.5
-2.5°	7900.7	7037.1	6212.5	5406.6	4679.8	3987.9	3359.6	2767.4	2248.1	1788.2	1337.2
-5°	7823.8	6977.7	6154.1	5367.2	4640.8	3959.7	3339.4	2751.5	2235.8	1780.6	1335.6
-7.5°	7737.2	6898.4	6079.9	5306.6	4583.5	3916.3	3305.8	2725.2	2215.5	1766.1	1328.6
-10°	7623.0	6796.9	5994.5	5234.1	4521.3	3862.8	3259.6	2688.3	2187.5	1745.2	1316.2
-12.5°	7476.3	6667.2	5883.8	5140.2	4442.7	3798.6	3205.4	2645.7	2152.7	1717.9	1298.5
-15°	7298.1	6510.4	5748.1	5025.3	4345.7	3719.8	3138.7	2595.2	2115.6	1686.4	1275.5
-17.5°	7090.8	6327.5	5588.3	4890.1	4230.4	3626.8	3059.8	2534.7	2071.0	1651.5	1251.1
-20°	6867.5	6126.3	5407.5	4735.3	4097.3	3519.9	2969.2	2464.7	2018.9	1611.3	1225.5



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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°	6619.6	5906.2	5218.0	4569.6	3954.4	3399.6	2867.2	2385.2	1959.6	1566.3	1196.3
-25°	6346.9	5661.8	5006.5	4386.8	3807.5	3273.3	2761.2	2296.7	1893.2	1516.7	1164.0
-27.5°	6056.2	5398.6	4773.0	4188.3	3648.8	3135.9	2652.4	2213.4	1823.1	1462.7	1128.6
-30°	5744.2	5125.0	4536.3	3982.1	3477.9	2990.7	2534.3	2123.5	1754.2	1411.0	1090.6
-32.5°	5405.7	4829.5	4289.2	3782.6	3304.0	2837.7	2409.3	2026.5	1681.6	1360.8	1057.8
-35°	5061.3	4535.2	4031.4	3571.6	3124.5	2691.8	2284.6	1922.8	1605.6	1308.7	1025.1
-37.5°	4704.8	4234.2	3791.2	3357.7	2936.5	2537.1	2163.4	1824.8	1526.6	1255.0	990.1
-40°	4368.0	3934.6	3531.5	3145.3	2753.9	2373.9	2034.0	1727.6	1457.9	1200.0	953.0
-42.5°	4021.5	3642.3	3278.7	2922.8	2567.5	2222.8	1899.3	1624.0	1385.6	1150.9	913.8
-45°	3695.8	3351.0	3025.6	2705.6	2376.6	2064.0	1777.8	1517.6	1308.4	1103.7	872.4
-47.5°	3369.9	3075.1	2781.1	2485.1	2194.3	1904.1	1649.6	1427.2	1227.7	1054.4	827.4
-50°	3072.6	2808.0	2543.8	2273.0	2001.8	1756.1	1522.8	1332.8	1156.4	991.0	778.6
-52.5°	2786.9	2556.1	2309.6	2058.9	1825.6	1601.5	1414.4	1236.4	1082.7	921.0	726.1
-55°	2513.8	2303.7	2074.0	1857.0	1648.6	1469.5	1302.0	1152.4	1006.8	847.3	670.9
-57.5°	2241.0	2046.0	1851.8	1659.2	1489.4	1338.8	1199.9	1066.1	924.3	771.9	617.8
-60°	1971.8	1805.9	1633.0	1480.7	1339.2	1213.8	1103.3	976.2	838.9	695.2	556.3
-62.5°	1716.2	1570.4	1440.4	1309.9	1194.5	1095.3	1004.1	881.3	752.0	617.4	490.2
-65°	1473.0	1358.7	1248.9	1146.6	1053.9	972.3	896.5	785.2	659.1	536.6	423.8
-67.5°	1236.8	1151.2	1064.7	982.0	913.7	848.5	783.8	677.6	562.0	453.0	360.1
-70°	1022.9	950.5	885.9	830.6	776.5	721.1	654.1	562.7	461.8	375.5	294.6
-72.5°	812.2	763.9	720.8	680.2	635.3	582.4	521.4	447.3	369.7	296.4	227.6
-75°	604.2	584.2	562.7	533.8	492.4	445.0	397.2	339.7	275.8	215.6	171.8
-77.5°	438.3	425.8	410.5	393.1	360.9	323.0	279.5	230.2	188.5	154.8	119.8
-80°	289.9	286.8	280.0	266.8	236.3	202.0	176.2	149.4	123.2	95.9	67.4
-82.5°	160.6	162.2	162.1	157.3	138.8	119.3	98.9	77.8	57.6	36.6	29.2
-85°	76.9	75.0	71.0	64.4	50.7	36.5	31.8	27.4	24.8	22.2	19.5
-87.5°	23.4	23.5	23.5	23.3	20.8	18.3	15.9	13.7	12.4	11.1	9.8
-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°	8.4	7.0	5.6	4.2	2.8	1.2	0.0
85°	16.8	14.1	11.3	8.5	5.7	2.5	0.0
82.5°	25.2	21.0	16.9	12.7	8.5	3.7	0.0
80°	37.9	28.0	22.5	16.9	11.2	4.9	0.0
77.5°	82.5	43.9	28.0	21.0	14.0	6.1	0.0
75°	126.1	76.0	36.5	25.2	16.7	7.3	0.0
72.5°	168.4	107.2	58.2	29.2	19.3	8.5	0.0
70°	210.6	137.2	79.2	35.0	21.9	9.6	0.0
67.5°	261.2	166.0	99.3	48.0	24.4	10.8	0.0
65°	309.7	198.2	118.6	60.5	26.8	11.9	0.0
62.5°	355.7	233.6	136.8	72.4	29.1	12.9	0.0
60°	399.0	267.0	154.0	83.6	31.4	14.0	0.0
57.5°	444.7	298.3	176.8	94.2	37.7	14.9	0.0
55°	487.9	327.5	198.6	104.1	43.9	15.9	0.0
52.5°	528.0	355.2	218.9	113.2	49.8	16.8	0.0
50°	564.6	384.6	237.5	121.6	55.5	17.7	0.0
47.5°	599.0	411.5	254.5	130.2	61.0	18.5	0.0
45°	637.2	435.7	269.8	141.5	66.1	19.3	0.0
42.5°	672.3	457.3	283.4	151.8	71.0	20.0	0.0
40°	704.1	476.1	297.0	162.2	75.6	20.7	0.0
37.5°	732.6	492.1	310.5	172.6	79.9	21.3	0.0
35°	757.7	510.7	322.1	182.2	83.9	21.9	0.0
32.5°	781.0	529.3	331.7	191.1	87.6	22.4	0.0
30°	805.1	545.2	339.5	199.2	90.9	22.9	0.0
27.5°	826.8	558.4	351.1	206.5	94.0	23.3	0.0
25°	845.9	568.8	362.0	213.1	96.7	23.7	0.0
22.5°	862.3	579.3	371.6	218.9	99.1	24.0	0.0
20°	875.8	593.7	379.9	224.0	101.1	24.2	0.0
17.5°	892.7	605.4	386.8	228.2	102.8	24.4	0.0
15°	910.2	614.6	392.4	231.6	104.2	24.6	0.0
12.5°	924.5	621.2	396.7	234.3	105.3	24.7	0.0
10°	935.4	625.3	399.6	236.1	106.0	24.7	0.0
7.5°	942.8	627.0	401.3	237.2	106.4	24.7	0.0
5°	946.6	626.2	401.6	237.5	106.5	24.7	0.0
2.5°	946.8	623.2	400.6	237.0	106.3	24.6	0.0
0°	943.2	618.0	398.4	235.8	105.7	24.4	0.0
-2.5°	946.8	623.2	400.6	237.0	106.3	24.6	0.0
-5°	946.6	626.2	401.6	237.5	106.5	24.7	0.0
-7.5°	942.8	627.0	401.3	237.2	106.4	24.7	0.0
-10°	935.4	625.3	399.6	236.1	106.0	24.7	0.0
-12.5°	924.5	621.2	396.7	234.3	105.3	24.7	0.0
-15°	910.2	614.6	392.4	231.6	104.2	24.6	0.0
-17.5°	892.7	605.4	386.8	228.2	102.8	24.4	0.0
-20°	875.8	593.7	379.9	224.0	101.1	24.2	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	862.3	579.3	371.6	218.9	99.1	24.0	0.0
-25°	845.9	568.8	362.0	213.1	96.7	23.7	0.0
-27.5°	826.8	558.4	351.1	206.5	94.0	23.3	0.0
-30°	805.1	545.2	339.5	199.2	90.9	22.9	0.0
-32.5°	781.0	529.3	331.7	191.1	87.6	22.4	0.0
-35°	757.7	510.7	322.1	182.2	83.9	21.9	0.0
-37.5°	732.6	492.1	310.5	172.6	79.9	21.3	0.0
-40°	704.1	476.1	297.0	162.2	75.6	20.7	0.0
-42.5°	672.3	457.3	283.4	151.8	71.0	20.0	0.0
-45°	637.2	435.7	269.8	141.5	66.1	19.3	0.0
-47.5°	599.0	411.5	254.5	130.2	61.0	18.5	0.0
-50°	564.6	384.6	237.5	121.6	55.5	17.7	0.0
-52.5°	528.0	355.2	218.9	113.2	49.8	16.8	0.0
-55°	487.9	327.5	198.6	104.1	43.9	15.9	0.0
-57.5°	444.7	298.3	176.8	94.2	37.7	14.9	0.0
-60°	399.0	267.0	154.0	83.6	31.4	14.0	0.0
-62.5°	355.7	233.6	136.8	72.4	29.1	12.9	0.0
-65°	309.7	198.2	118.6	60.5	26.8	11.9	0.0
-67.5°	261.2	166.0	99.3	48.0	24.4	10.8	0.0
-70°	210.6	137.2	79.2	35.0	21.9	9.6	0.0
-72.5°	168.4	107.2	58.2	29.2	19.3	8.5	0.0
-75°	126.1	76.0	36.5	25.2	16.7	7.3	0.0
-77.5°	82.5	43.9	28.0	21.0	14.0	6.1	0.0
-80°	37.9	28.0	22.5	16.9	11.2	4.9	0.0
-82.5°	25.2	21.0	16.9	12.7	8.5	3.7	0.0
-85°	16.8	14.1	11.3	8.5	5.7	2.5	0.0
-87.5°	8.4	7.0	5.6	4.2	2.8	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)