

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



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1C-727-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1C-727-U-LAM-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

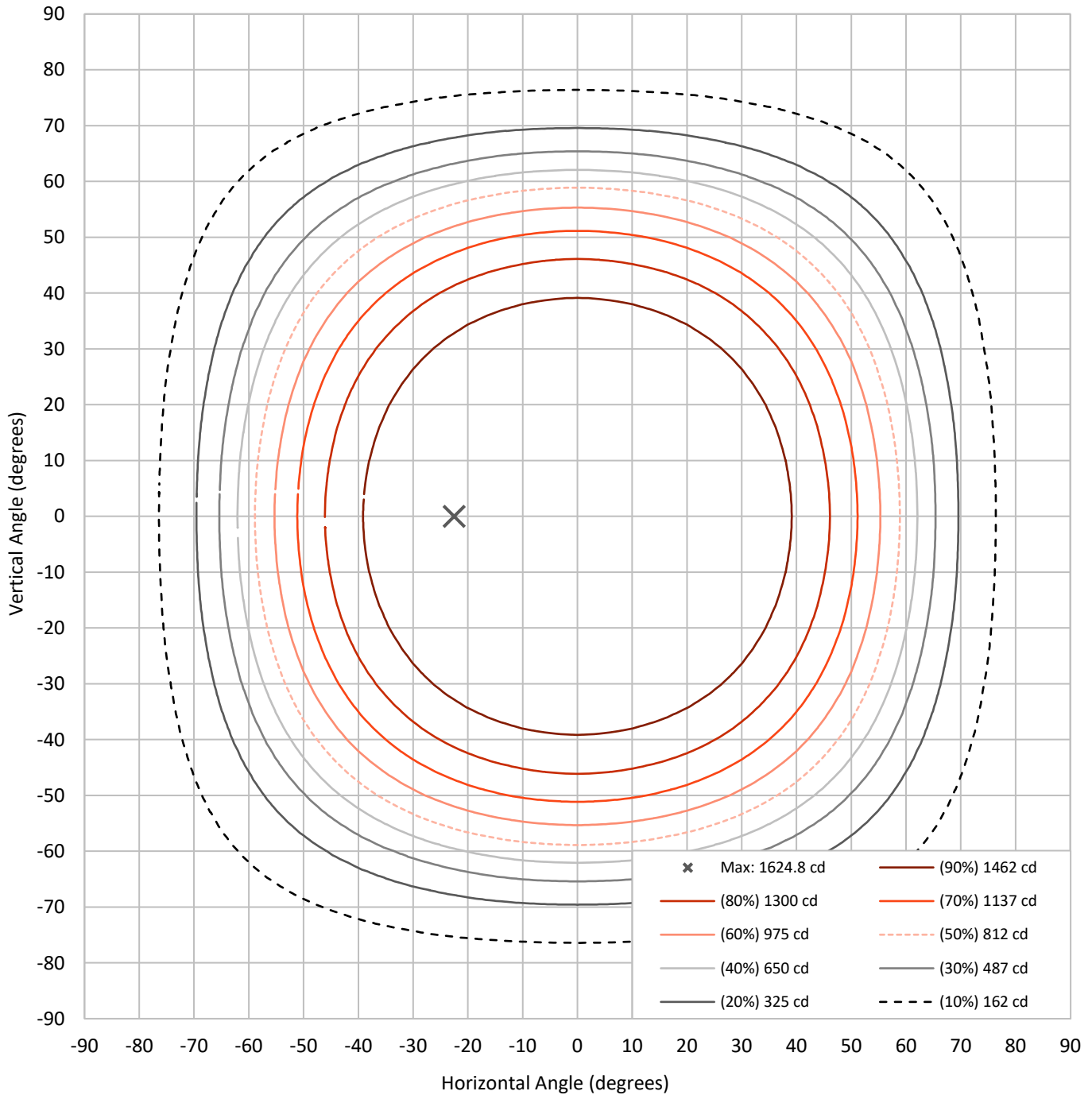
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4970.4 lumens	Max Intensity:	1624.8 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	114.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	4136.5 lumens	Field Lumens:	4872.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	43.5		
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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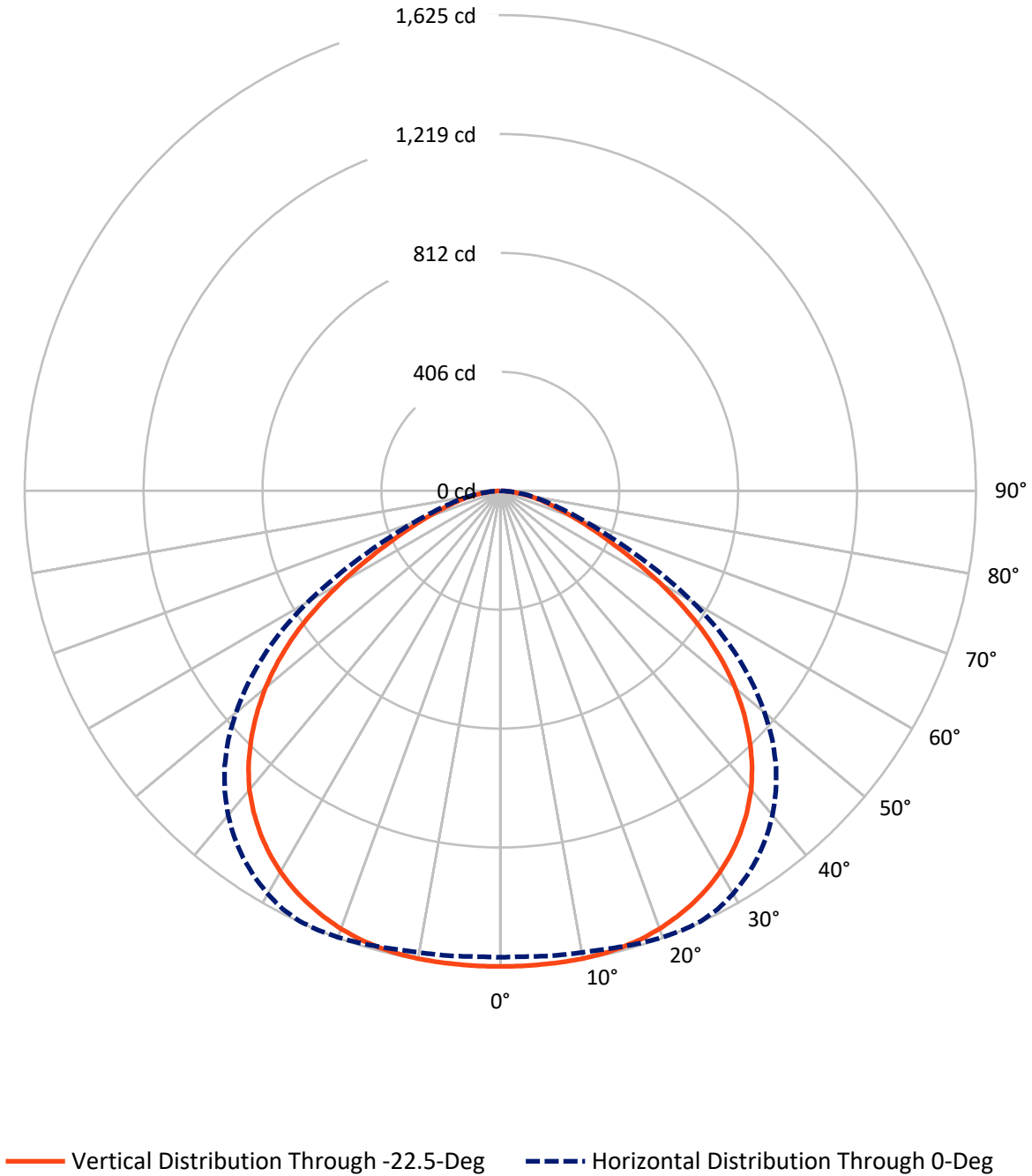
### Iso-Candela Plot





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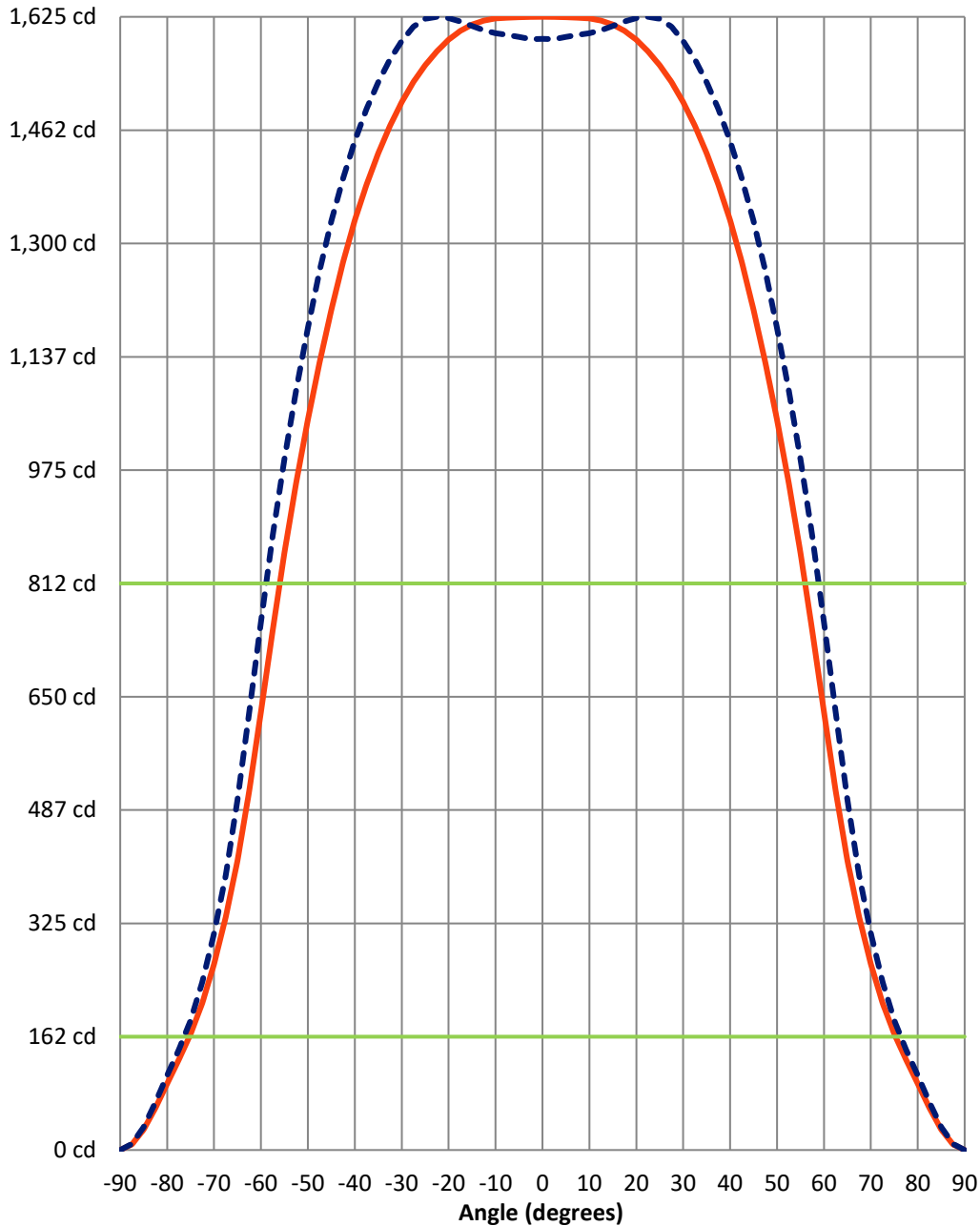
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 4136.5  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 4872.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 97.8  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg  
 - - Horizontal Distribution through 0-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.0	3.4	3.8
85°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	6.8	7.5
82.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.5	12.4	15.3
80°	0.0	1.5	3.1	4.6	6.2	7.7	9.6	13.7	17.7	21.6	25.4
77.5°	0.0	1.9	3.8	5.8	7.7	10.7	15.8	20.8	25.8	30.7	36.6
75°	0.0	2.3	4.6	6.9	9.6	15.8	21.9	27.9	34.2	42.7	51.1
72.5°	0.0	2.7	5.3	8.0	13.7	20.8	27.9	35.7	45.8	55.7	65.5
70°	0.0	3.0	6.1	9.5	17.7	25.8	34.2	45.8	57.3	68.6	80.9
67.5°	0.0	3.4	6.8	12.4	21.6	30.7	42.7	55.7	68.6	82.6	96.3
65°	0.0	3.8	7.5	15.3	25.4	36.6	51.1	65.5	80.9	96.3	111.3
62.5°	0.0	4.1	8.2	18.1	29.2	43.5	59.3	75.8	92.9	109.6	125.5
60°	0.0	4.4	8.9	20.9	32.9	50.2	67.4	86.1	104.6	122.3	139.5
57.5°	0.0	4.8	10.7	23.6	38.1	56.7	75.9	96.1	115.7	134.6	154.5
55°	0.0	5.1	12.4	26.3	43.2	63.1	84.4	105.9	126.4	147.0	169.6
52.5°	0.0	5.4	14.1	28.8	48.1	69.4	92.5	115.1	136.9	160.3	184.4
50°	0.0	5.7	15.8	31.3	52.9	76.0	100.4	123.9	147.4	173.2	202.7
47.5°	0.0	6.0	17.4	33.9	57.6	82.4	108.0	132.5	158.4	185.6	221.0
45°	0.0	6.3	18.9	37.3	62.0	88.5	115.1	140.7	169.1	201.4	238.6
42.5°	0.0	6.6	20.4	40.5	66.3	94.3	121.8	149.2	179.3	216.6	259.3
40°	0.0	6.8	21.8	43.5	70.5	99.9	128.2	157.7	190.1	231.1	279.8
37.5°	0.0	7.1	23.1	46.4	74.8	105.3	134.4	165.8	202.3	245.9	299.3
35°	0.0	7.3	24.3	49.1	78.8	110.1	140.2	173.5	213.9	262.5	319.2
32.5°	0.0	7.5	25.5	51.7	82.6	114.7	145.8	180.7	224.9	278.1	340.2
30°	0.0	7.7	26.6	54.1	86.1	118.9	151.6	188.0	235.1	292.7	359.8
27.5°	0.0	7.9	27.6	56.3	89.4	122.8	156.9	196.3	245.6	306.3	378.1
25°	0.0	8.1	28.6	58.4	92.4	126.4	161.9	203.9	256.6	320.5	395.2
22.5°	0.0	8.2	29.4	60.2	95.1	129.7	166.4	210.8	266.7	334.3	415.2
20°	0.0	8.4	30.2	61.9	97.6	132.7	170.4	217.1	275.8	346.7	433.2
17.5°	0.0	8.5	30.9	63.4	99.8	135.3	174.0	222.7	283.9	357.7	449.2
15°	0.0	8.6	31.4	64.7	101.7	137.6	177.1	227.5	291.0	367.3	463.2
12.5°	0.0	8.7	31.9	65.8	103.3	139.5	179.8	231.7	297.0	375.5	475.1
10°	0.0	8.8	32.4	66.7	104.6	141.1	182.0	235.0	301.9	382.3	484.9
7.5°	0.0	8.8	32.7	67.4	105.7	142.4	183.7	237.7	305.7	387.5	492.5
5°	0.0	8.9	32.9	67.9	106.4	143.3	184.9	239.6	308.5	391.3	498.0
2.5°	0.0	8.9	33.1	68.2	106.9	143.8	185.7	240.7	310.1	393.5	501.3
0°	0.0	8.9	33.1	68.3	107.0	144.0	185.9	241.1	310.7	394.3	502.4
-2.5°	0.0	8.9	33.1	68.2	106.9	143.8	185.7	240.7	310.1	393.5	501.3
-5°	0.0	8.9	32.9	67.9	106.4	143.3	184.9	239.6	308.5	391.3	498.0
-7.5°	0.0	8.8	32.7	67.4	105.7	142.4	183.7	237.7	305.7	387.5	492.5
-10°	0.0	8.8	32.4	66.7	104.6	141.1	182.0	235.0	301.9	382.3	484.9
-12.5°	0.0	8.7	31.9	65.8	103.3	139.5	179.8	231.7	297.0	375.5	475.1
-15°	0.0	8.6	31.4	64.7	101.7	137.6	177.1	227.5	291.0	367.3	463.2
-17.5°	0.0	8.5	30.9	63.4	99.8	135.3	174.0	222.7	283.9	357.7	449.2
-20°	0.0	8.4	30.2	61.9	97.6	132.7	170.4	217.1	275.8	346.7	433.2



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 CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	8.2	29.4	60.2	95.1	129.7	166.4	210.8	266.7	334.3	415.2
-25°	0.0	8.1	28.6	58.4	92.4	126.4	161.9	203.9	256.6	320.5	395.2
-27.5°	0.0	7.9	27.6	56.3	89.4	122.8	156.9	196.3	245.6	306.3	378.1
-30°	0.0	7.7	26.6	54.1	86.1	118.9	151.6	188.0	235.1	292.7	359.8
-32.5°	0.0	7.5	25.5	51.7	82.6	114.7	145.8	180.7	224.9	278.1	340.2
-35°	0.0	7.3	24.3	49.1	78.8	110.1	140.2	173.5	213.9	262.5	319.2
-37.5°	0.0	7.1	23.1	46.4	74.8	105.3	134.4	165.8	202.3	245.9	299.3
-40°	0.0	6.8	21.8	43.5	70.5	99.9	128.2	157.7	190.1	231.1	279.8
-42.5°	0.0	6.6	20.4	40.5	66.3	94.3	121.8	149.2	179.3	216.6	259.3
-45°	0.0	6.3	18.9	37.3	62.0	88.5	115.1	140.7	169.1	201.4	238.6
-47.5°	0.0	6.0	17.4	33.9	57.6	82.4	108.0	132.5	158.4	185.6	221.0
-50°	0.0	5.7	15.8	31.3	52.9	76.0	100.4	123.9	147.4	173.2	202.7
-52.5°	0.0	5.4	14.1	28.8	48.1	69.4	92.5	115.1	136.9	160.3	184.4
-55°	0.0	5.1	12.4	26.3	43.2	63.1	84.4	105.9	126.4	147.0	169.6
-57.5°	0.0	4.8	10.7	23.6	38.1	56.7	75.9	96.1	115.7	134.6	154.5
-60°	0.0	4.4	8.9	20.9	32.9	50.2	67.4	86.1	104.6	122.3	139.5
-62.5°	0.0	4.1	8.2	18.1	29.2	43.5	59.3	75.8	92.9	109.6	125.5
-65°	0.0	3.8	7.5	15.3	25.4	36.6	51.1	65.5	80.9	96.3	111.3
-67.5°	0.0	3.4	6.8	12.4	21.6	30.7	42.7	55.7	68.6	82.6	96.3
-70°	0.0	3.0	6.1	9.5	17.7	25.8	34.2	45.8	57.3	68.6	80.9
-72.5°	0.0	2.7	5.3	8.0	13.7	20.8	27.9	35.7	45.8	55.7	65.5
-75°	0.0	2.3	4.6	6.9	9.6	15.8	21.9	27.9	34.2	42.7	51.1
-77.5°	0.0	1.9	3.8	5.8	7.7	10.7	15.8	20.8	25.8	30.7	36.6
-80°	0.0	1.5	3.1	4.6	6.2	7.7	9.6	13.7	17.7	21.6	25.4
-82.5°	0.0	1.2	2.3	3.5	4.6	5.8	6.9	8.0	9.5	12.4	15.3
-85°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.1	6.8	7.5
-87.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-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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 CATALOG NUMBER: GFLD-SA1C-727-U-LAM-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°	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.8	7.1
85°	8.2	8.9	10.7	12.4	14.1	15.8	17.4	18.9	20.4	21.8	23.1
82.5°	18.1	20.9	23.6	26.3	28.8	31.3	33.9	37.3	40.5	43.5	46.4
80°	29.2	32.9	38.1	43.2	48.1	52.9	57.6	62.0	66.3	70.5	74.8
77.5°	43.5	50.2	56.7	63.1	69.4	76.0	82.4	88.5	94.3	99.9	105.3
75°	59.3	67.4	75.9	84.4	92.5	100.4	108.0	115.1	121.8	128.2	134.4
72.5°	75.8	86.1	96.1	105.9	115.1	123.9	132.5	140.7	149.2	157.7	165.8
70°	92.9	104.6	115.7	126.4	136.9	147.4	158.4	169.1	179.3	190.1	202.3
67.5°	109.6	122.3	134.6	147.0	160.3	173.2	185.6	201.4	216.6	231.1	245.9
65°	125.5	139.5	154.5	169.6	184.4	202.7	221.0	238.6	259.3	279.8	299.3
62.5°	141.2	158.2	175.3	193.8	215.2	235.9	259.9	284.4	308.0	334.6	360.5
60°	158.2	177.1	198.8	222.7	247.3	275.8	303.5	334.3	365.3	395.2	431.9
57.5°	175.3	198.8	225.2	253.6	285.4	317.5	353.6	388.6	430.5	472.4	514.0
55°	193.8	222.7	253.6	288.6	325.3	365.4	407.2	456.0	503.2	555.8	606.2
52.5°	215.2	247.3	285.4	325.3	369.3	417.5	471.5	527.3	586.2	643.3	699.3
50°	235.9	275.8	317.5	365.4	417.5	476.7	539.5	604.5	668.7	731.4	790.0
47.5°	259.9	303.5	353.6	407.2	471.5	539.5	610.7	681.5	750.8	815.0	876.6
45°	284.4	334.3	388.6	456.0	527.3	604.5	681.5	757.3	827.6	894.0	952.1
42.5°	308.0	365.3	430.5	503.2	586.2	668.7	750.8	827.6	899.7	963.7	1022.0
40°	334.6	395.2	472.4	555.8	643.3	731.4	815.0	894.0	963.7	1027.4	1086.5
37.5°	360.5	431.9	514.0	606.2	699.3	790.0	876.6	952.1	1022.0	1086.5	1143.2
35°	385.1	466.9	558.2	655.0	752.7	845.0	929.2	1006.2	1075.7	1138.2	1196.1
32.5°	412.4	499.9	600.1	701.9	801.4	895.4	978.9	1054.2	1123.2	1186.7	1244.2
30°	440.6	535.5	639.8	746.1	847.2	939.1	1022.5	1098.7	1167.2	1229.9	1286.3
27.5°	466.9	569.1	677.7	786.1	889.0	980.0	1062.4	1137.4	1206.2	1269.4	1324.1
25°	491.1	600.1	712.8	822.7	924.2	1015.5	1098.5	1173.5	1241.9	1302.5	1355.7
22.5°	515.0	628.5	745.0	856.2	956.5	1047.1	1129.4	1204.5	1273.1	1333.1	1384.1
20°	538.3	655.0	773.4	886.0	985.8	1075.9	1157.5	1232.5	1299.2	1357.4	1408.1
17.5°	559.0	678.6	798.2	910.1	1010.0	1100.4	1182.4	1257.6	1322.8	1379.2	1428.8
15°	577.1	699.3	819.9	931.1	1030.7	1120.8	1202.8	1277.2	1341.9	1397.9	1447.2
12.5°	592.5	716.9	838.4	949.1	1048.5	1138.3	1220.2	1293.7	1357.3	1412.5	1460.7
10°	605.2	731.4	853.6	963.9	1063.1	1152.7	1234.7	1307.3	1370.0	1424.7	1472.0
7.5°	615.1	742.7	865.6	975.5	1074.6	1164.0	1246.0	1318.0	1380.0	1434.2	1481.0
5°	622.2	750.8	874.1	983.8	1082.8	1172.1	1254.1	1325.7	1387.2	1441.1	1487.4
2.5°	626.5	755.7	879.3	988.8	1087.7	1177.0	1259.1	1330.3	1391.5	1445.3	1491.3
0°	627.9	757.3	881.0	990.5	1089.4	1178.6	1260.7	1331.9	1393.0	1446.7	1492.6
-2.5°	626.5	755.7	879.3	988.8	1087.7	1177.0	1259.1	1330.3	1391.5	1445.3	1491.3
-5°	622.2	750.8	874.1	983.8	1082.8	1172.1	1254.1	1325.7	1387.2	1441.1	1487.4
-7.5°	615.1	742.7	865.6	975.5	1074.6	1164.0	1246.0	1318.0	1380.0	1434.2	1481.0
-10°	605.2	731.4	853.6	963.9	1063.1	1152.7	1234.7	1307.3	1370.0	1424.7	1472.0
-12.5°	592.5	716.9	838.4	949.1	1048.5	1138.3	1220.2	1293.7	1357.3	1412.5	1460.7
-15°	577.1	699.3	819.9	931.1	1030.7	1120.8	1202.8	1277.2	1341.9	1397.9	1447.2
-17.5°	559.0	678.6	798.2	910.1	1010.0	1100.4	1182.4	1257.6	1322.8	1379.2	1428.8
-20°	538.3	655.0	773.4	886.0	985.8	1075.9	1157.5	1232.5	1299.2	1357.4	1408.1

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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	515.0	628.5	745.0	856.2	956.5	1047.1	1129.4	1204.5	1273.1	1333.1	1384.1
-25°	491.1	600.1	712.8	822.7	924.2	1015.5	1098.5	1173.5	1241.9	1302.5	1355.7
-27.5°	466.9	569.1	677.7	786.1	889.0	980.0	1062.4	1137.4	1206.2	1269.4	1324.1
-30°	440.6	535.5	639.8	746.1	847.2	939.1	1022.5	1098.7	1167.2	1229.9	1286.3
-32.5°	412.4	499.9	600.1	701.9	801.4	895.4	978.9	1054.2	1123.2	1186.7	1244.2
-35°	385.1	466.9	558.2	655.0	752.7	845.0	929.2	1006.2	1075.7	1138.2	1196.1
-37.5°	360.5	431.9	514.0	606.2	699.3	790.0	876.6	952.1	1022.0	1086.5	1143.2
-40°	334.6	395.2	472.4	555.8	643.3	731.4	815.0	894.0	963.7	1027.4	1086.5
-42.5°	308.0	365.3	430.5	503.2	586.2	668.7	750.8	827.6	899.7	963.7	1022.0
-45°	284.4	334.3	388.6	456.0	527.3	604.5	681.5	757.3	827.6	894.0	952.1
-47.5°	259.9	303.5	353.6	407.2	471.5	539.5	610.7	681.5	750.8	815.0	876.6
-50°	235.9	275.8	317.5	365.4	417.5	476.7	539.5	604.5	668.7	731.4	790.0
-52.5°	215.2	247.3	285.4	325.3	369.3	417.5	471.5	527.3	586.2	643.3	699.3
-55°	193.8	222.7	253.6	288.6	325.3	365.4	407.2	456.0	503.2	555.8	606.2
-57.5°	175.3	198.8	225.2	253.6	285.4	317.5	353.6	388.6	430.5	472.4	514.0
-60°	158.2	177.1	198.8	222.7	247.3	275.8	303.5	334.3	365.3	395.2	431.9
-62.5°	141.2	158.2	175.3	193.8	215.2	235.9	259.9	284.4	308.0	334.6	360.5
-65°	125.5	139.5	154.5	169.6	184.4	202.7	221.0	238.6	259.3	279.8	299.3
-67.5°	109.6	122.3	134.6	147.0	160.3	173.2	185.6	201.4	216.6	231.1	245.9
-70°	92.9	104.6	115.7	126.4	136.9	147.4	158.4	169.1	179.3	190.1	202.3
-72.5°	75.8	86.1	96.1	105.9	115.1	123.9	132.5	140.7	149.2	157.7	165.8
-75°	59.3	67.4	75.9	84.4	92.5	100.4	108.0	115.1	121.8	128.2	134.4
-77.5°	43.5	50.2	56.7	63.1	69.4	76.0	82.4	88.5	94.3	99.9	105.3
-80°	29.2	32.9	38.1	43.2	48.1	52.9	57.6	62.0	66.3	70.5	74.8
-82.5°	18.1	20.9	23.6	26.3	28.8	31.3	33.9	37.3	40.5	43.5	46.4
-85°	8.2	8.9	10.7	12.4	14.1	15.8	17.4	18.9	20.4	21.8	23.1
-87.5°	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.8	7.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
85°	24.3	25.5	26.6	27.6	28.6	29.4	30.2	30.9	31.4	31.9	32.4
82.5°	49.1	51.7	54.1	56.3	58.4	60.2	61.9	63.4	64.7	65.8	66.7
80°	78.8	82.6	86.1	89.4	92.4	95.1	97.6	99.8	101.7	103.3	104.6
77.5°	110.1	114.7	118.9	122.8	126.4	129.7	132.7	135.3	137.6	139.5	141.1
75°	140.2	145.8	151.6	156.9	161.9	166.4	170.4	174.0	177.1	179.8	182.0
72.5°	173.5	180.7	188.0	196.3	203.9	210.8	217.1	222.7	227.5	231.7	235.0
70°	213.9	224.9	235.1	245.6	256.6	266.7	275.8	283.9	291.0	297.0	301.9
67.5°	262.5	278.1	292.7	306.3	320.5	334.3	346.7	357.7	367.3	375.5	382.3
65°	319.2	340.2	359.8	378.1	395.2	415.2	433.2	449.2	463.2	475.1	484.9
62.5°	385.1	412.4	440.6	466.9	491.1	515.0	538.3	559.0	577.1	592.5	605.2
60°	466.9	499.9	535.5	569.1	600.1	628.5	655.0	678.6	699.3	716.9	731.4
57.5°	558.2	600.1	639.8	677.7	712.8	745.0	773.4	798.2	819.9	838.4	853.6
55°	655.0	701.9	746.1	786.1	822.7	856.2	886.0	910.1	931.1	949.1	963.9
52.5°	752.7	801.4	847.2	889.0	924.2	956.5	985.8	1010.0	1030.7	1048.5	1063.1
50°	845.0	895.4	939.1	980.0	1015.5	1047.1	1075.9	1100.4	1120.8	1138.3	1152.7
47.5°	929.2	978.9	1022.5	1062.4	1098.5	1129.4	1157.5	1182.4	1202.8	1220.2	1234.7
45°	1006.2	1054.2	1098.7	1137.4	1173.5	1204.5	1232.5	1257.6	1277.2	1293.7	1307.3
42.5°	1075.7	1123.2	1167.2	1206.2	1241.9	1273.1	1299.2	1322.8	1341.9	1357.3	1370.0
40°	1138.2	1186.7	1229.9	1269.4	1302.5	1333.1	1357.4	1379.2	1397.9	1412.5	1424.7
37.5°	1196.1	1244.2	1286.3	1324.1	1355.7	1384.1	1408.1	1428.8	1447.2	1460.7	1472.0
35°	1249.0	1294.8	1336.5	1371.0	1402.4	1429.1	1452.8	1471.9	1489.0	1501.9	1512.2
32.5°	1294.8	1340.2	1378.8	1412.9	1443.5	1468.5	1491.2	1508.7	1524.1	1536.6	1546.1
30°	1336.5	1378.8	1416.4	1450.2	1478.1	1502.4	1522.8	1539.9	1554.2	1566.1	1574.5
27.5°	1371.0	1412.9	1450.2	1481.3	1508.0	1531.4	1550.1	1566.6	1579.0	1590.0	1597.2
25°	1402.4	1443.5	1478.1	1508.0	1533.9	1555.3	1573.1	1588.0	1599.0	1608.4	1613.8
22.5°	1429.1	1468.5	1502.4	1531.4	1555.3	1575.3	1592.0	1604.6	1613.7	1619.4	1622.5
20°	1452.8	1491.2	1522.8	1550.1	1573.1	1592.0	1606.6	1615.9	1622.2	1623.7	1624.6
17.5°	1471.9	1508.7	1539.9	1566.6	1588.0	1604.6	1615.9	1622.5	1624.4	1624.0	1623.1
15°	1489.0	1524.1	1554.2	1579.0	1599.0	1613.7	1622.2	1624.4	1623.8	1621.9	1619.0
12.5°	1501.9	1536.6	1566.1	1590.0	1608.4	1619.4	1623.7	1624.0	1621.9	1618.3	1614.2
10°	1512.2	1546.1	1574.5	1597.2	1613.8	1622.5	1624.6	1623.1	1619.0	1614.2	1609.5
7.5°	1520.3	1553.7	1581.2	1603.0	1617.3	1623.5	1623.9	1621.0	1616.1	1610.6	1605.6
5°	1526.2	1559.2	1586.0	1607.2	1619.9	1624.2	1623.4	1619.4	1613.7	1607.9	1603.3
2.5°	1529.8	1562.6	1589.0	1609.7	1621.5	1624.7	1623.1	1618.4	1612.2	1606.2	1601.8
0°	1531.0	1563.7	1590.0	1610.6	1622.0	1624.8	1623.0	1618.1	1611.7	1605.6	1601.3
-2.5°	1529.8	1562.6	1589.0	1609.7	1621.5	1624.7	1623.1	1618.4	1612.2	1606.2	1601.8
-5°	1526.2	1559.2	1586.0	1607.2	1619.9	1624.2	1623.4	1619.4	1613.7	1607.9	1603.3
-7.5°	1520.3	1553.7	1581.2	1603.0	1617.3	1623.5	1623.9	1621.0	1616.1	1610.6	1605.6
-10°	1512.2	1546.1	1574.5	1597.2	1613.8	1622.5	1624.6	1623.1	1619.0	1614.2	1609.5
-12.5°	1501.9	1536.6	1566.1	1590.0	1608.4	1619.4	1623.7	1624.0	1621.9	1618.3	1614.2
-15°	1489.0	1524.1	1554.2	1579.0	1599.0	1613.7	1622.2	1624.4	1623.8	1621.9	1619.0
-17.5°	1471.9	1508.7	1539.9	1566.6	1588.0	1604.6	1615.9	1622.5	1624.4	1624.0	1623.1
-20°	1452.8	1491.2	1522.8	1550.1	1573.1	1592.0	1606.6	1615.9	1622.2	1623.7	1624.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1429.1	1468.5	1502.4	1531.4	1555.3	1575.3	1592.0	1604.6	1613.7	1619.4	1622.5
-25°	1402.4	1443.5	1478.1	1508.0	1533.9	1555.3	1573.1	1588.0	1599.0	1608.4	1613.8
-27.5°	1371.0	1412.9	1450.2	1481.3	1508.0	1531.4	1550.1	1566.6	1579.0	1590.0	1597.2
-30°	1336.5	1378.8	1416.4	1450.2	1478.1	1502.4	1522.8	1539.9	1554.2	1566.1	1574.5
-32.5°	1294.8	1340.2	1378.8	1412.9	1443.5	1468.5	1491.2	1508.7	1524.1	1536.6	1546.1
-35°	1249.0	1294.8	1336.5	1371.0	1402.4	1429.1	1452.8	1471.9	1489.0	1501.9	1512.2
-37.5°	1196.1	1244.2	1286.3	1324.1	1355.7	1384.1	1408.1	1428.8	1447.2	1460.7	1472.0
-40°	1138.2	1186.7	1229.9	1269.4	1302.5	1333.1	1357.4	1379.2	1397.9	1412.5	1424.7
-42.5°	1075.7	1123.2	1167.2	1206.2	1241.9	1273.1	1299.2	1322.8	1341.9	1357.3	1370.0
-45°	1006.2	1054.2	1098.7	1137.4	1173.5	1204.5	1232.5	1257.6	1277.2	1293.7	1307.3
-47.5°	929.2	978.9	1022.5	1062.4	1098.5	1129.4	1157.5	1182.4	1202.8	1220.2	1234.7
-50°	845.0	895.4	939.1	980.0	1015.5	1047.1	1075.9	1100.4	1120.8	1138.3	1152.7
-52.5°	752.7	801.4	847.2	889.0	924.2	956.5	985.8	1010.0	1030.7	1048.5	1063.1
-55°	655.0	701.9	746.1	786.1	822.7	856.2	886.0	910.1	931.1	949.1	963.9
-57.5°	558.2	600.1	639.8	677.7	712.8	745.0	773.4	798.2	819.9	838.4	853.6
-60°	466.9	499.9	535.5	569.1	600.1	628.5	655.0	678.6	699.3	716.9	731.4
-62.5°	385.1	412.4	440.6	466.9	491.1	515.0	538.3	559.0	577.1	592.5	605.2
-65°	319.2	340.2	359.8	378.1	395.2	415.2	433.2	449.2	463.2	475.1	484.9
-67.5°	262.5	278.1	292.7	306.3	320.5	334.3	346.7	357.7	367.3	375.5	382.3
-70°	213.9	224.9	235.1	245.6	256.6	266.7	275.8	283.9	291.0	297.0	301.9
-72.5°	173.5	180.7	188.0	196.3	203.9	210.8	217.1	222.7	227.5	231.7	235.0
-75°	140.2	145.8	151.6	156.9	161.9	166.4	170.4	174.0	177.1	179.8	182.0
-77.5°	110.1	114.7	118.9	122.8	126.4	129.7	132.7	135.3	137.6	139.5	141.1
-80°	78.8	82.6	86.1	89.4	92.4	95.1	97.6	99.8	101.7	103.3	104.6
-82.5°	49.1	51.7	54.1	56.3	58.4	60.2	61.9	63.4	64.7	65.8	66.7
-85°	24.3	25.5	26.6	27.6	28.6	29.4	30.2	30.9	31.4	31.9	32.4
-87.5°	7.3	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.6	8.7	8.8
-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: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
85°	32.7	32.9	33.1	33.1	33.1	32.9	32.7	32.4	31.9	31.4	30.9
82.5°	67.4	67.9	68.2	68.3	68.2	67.9	67.4	66.7	65.8	64.7	63.4
80°	105.7	106.4	106.9	107.0	106.9	106.4	105.7	104.6	103.3	101.7	99.8
77.5°	142.4	143.3	143.8	144.0	143.8	143.3	142.4	141.1	139.5	137.6	135.3
75°	183.7	184.9	185.7	185.9	185.7	184.9	183.7	182.0	179.8	177.1	174.0
72.5°	237.7	239.6	240.7	241.1	240.7	239.6	237.7	235.0	231.7	227.5	222.7
70°	305.7	308.5	310.1	310.7	310.1	308.5	305.7	301.9	297.0	291.0	283.9
67.5°	387.5	391.3	393.5	394.3	393.5	391.3	387.5	382.3	375.5	367.3	357.7
65°	492.5	498.0	501.3	502.4	501.3	498.0	492.5	484.9	475.1	463.2	449.2
62.5°	615.1	622.2	626.5	627.9	626.5	622.2	615.1	605.2	592.5	577.1	559.0
60°	742.7	750.8	755.7	757.3	755.7	750.8	742.7	731.4	716.9	699.3	678.6
57.5°	865.6	874.1	879.3	881.0	879.3	874.1	865.6	853.6	838.4	819.9	798.2
55°	975.5	983.8	988.8	990.5	988.8	983.8	975.5	963.9	949.1	931.1	910.1
52.5°	1074.6	1082.8	1087.7	1089.4	1087.7	1082.8	1074.6	1063.1	1048.5	1030.7	1010.0
50°	1164.0	1172.1	1177.0	1178.6	1177.0	1172.1	1164.0	1152.7	1138.3	1120.8	1100.4
47.5°	1246.0	1254.1	1259.1	1260.7	1259.1	1254.1	1246.0	1234.7	1220.2	1202.8	1182.4
45°	1318.0	1325.7	1330.3	1331.9	1330.3	1325.7	1318.0	1307.3	1293.7	1277.2	1257.6
42.5°	1380.0	1387.2	1391.5	1393.0	1391.5	1387.2	1380.0	1370.0	1357.3	1341.9	1322.8
40°	1434.2	1441.1	1445.3	1446.7	1445.3	1441.1	1434.2	1424.7	1412.5	1397.9	1379.2
37.5°	1481.0	1487.4	1491.3	1492.6	1491.3	1487.4	1481.0	1472.0	1460.7	1447.2	1428.8
35°	1520.3	1526.2	1529.8	1531.0	1529.8	1526.2	1520.3	1512.2	1501.9	1489.0	1471.9
32.5°	1553.7	1559.2	1562.6	1563.7	1562.6	1559.2	1553.7	1546.1	1536.6	1524.1	1508.7
30°	1581.2	1586.0	1589.0	1590.0	1589.0	1586.0	1581.2	1574.5	1566.1	1554.2	1539.9
27.5°	1603.0	1607.2	1609.7	1610.6	1609.7	1607.2	1603.0	1597.2	1590.0	1579.0	1566.6
25°	1617.3	1619.9	1621.5	1622.0	1621.5	1619.9	1617.3	1613.8	1608.4	1599.0	1588.0
22.5°	1623.5	1624.2	1624.7	1624.8	1624.7	1624.2	1623.5	1622.5	1619.4	1613.7	1604.6
20°	1623.9	1623.4	1623.1	1623.0	1623.1	1623.4	1623.9	1624.6	1623.7	1622.2	1615.9
17.5°	1621.0	1619.4	1618.4	1618.1	1618.4	1619.4	1621.0	1623.1	1624.0	1624.4	1622.5
15°	1616.1	1613.7	1612.2	1611.7	1612.2	1613.7	1616.1	1619.0	1621.9	1623.8	1624.4
12.5°	1610.6	1607.9	1606.2	1605.6	1606.2	1607.9	1610.6	1614.2	1618.3	1621.9	1624.0
10°	1605.6	1603.3	1601.8	1601.3	1601.8	1603.3	1605.6	1609.5	1614.2	1619.0	1623.1
7.5°	1602.3	1600.3	1599.3	1598.9	1599.3	1600.3	1602.3	1605.6	1610.6	1616.1	1621.0
5°	1600.3	1598.4	1596.7	1596.0	1596.7	1598.4	1600.3	1603.3	1607.9	1613.7	1619.4
2.5°	1599.3	1596.7	1594.1	1592.8	1594.1	1596.7	1599.3	1601.8	1606.2	1612.2	1618.4
0°	1598.9	1596.0	1592.8	1593.2	1592.8	1596.0	1598.9	1601.3	1605.6	1611.7	1618.1
-2.5°	1599.3	1596.7	1594.1	1592.8	1594.1	1596.7	1599.3	1601.8	1606.2	1612.2	1618.4
-5°	1600.3	1598.4	1596.7	1596.0	1596.7	1598.4	1600.3	1603.3	1607.9	1613.7	1619.4
-7.5°	1602.3	1600.3	1599.3	1598.9	1599.3	1600.3	1602.3	1605.6	1610.6	1616.1	1621.0
-10°	1605.6	1603.3	1601.8	1601.3	1601.8	1603.3	1605.6	1609.5	1614.2	1619.0	1623.1
-12.5°	1610.6	1607.9	1606.2	1605.6	1606.2	1607.9	1610.6	1614.2	1618.3	1621.9	1624.0
-15°	1616.1	1613.7	1612.2	1611.7	1612.2	1613.7	1616.1	1619.0	1621.9	1623.8	1624.4
-17.5°	1621.0	1619.4	1618.4	1618.1	1618.4	1619.4	1621.0	1623.1	1624.0	1624.4	1622.5
-20°	1623.9	1623.4	1623.1	1623.0	1623.1	1623.4	1623.9	1624.6	1623.7	1622.2	1615.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1623.5	1624.2	1624.7	1624.8	1624.7	1624.2	1623.5	1622.5	1619.4	1613.7	1604.6
-25°	1617.3	1619.9	1621.5	1622.0	1621.5	1619.9	1617.3	1613.8	1608.4	1599.0	1588.0
-27.5°	1603.0	1607.2	1609.7	1610.6	1609.7	1607.2	1603.0	1597.2	1590.0	1579.0	1566.6
-30°	1581.2	1586.0	1589.0	1590.0	1589.0	1586.0	1581.2	1574.5	1566.1	1554.2	1539.9
-32.5°	1553.7	1559.2	1562.6	1563.7	1562.6	1559.2	1553.7	1546.1	1536.6	1524.1	1508.7
-35°	1520.3	1526.2	1529.8	1531.0	1529.8	1526.2	1520.3	1512.2	1501.9	1489.0	1471.9
-37.5°	1481.0	1487.4	1491.3	1492.6	1491.3	1487.4	1481.0	1472.0	1460.7	1447.2	1428.8
-40°	1434.2	1441.1	1445.3	1446.7	1445.3	1441.1	1434.2	1424.7	1412.5	1397.9	1379.2
-42.5°	1380.0	1387.2	1391.5	1393.0	1391.5	1387.2	1380.0	1370.0	1357.3	1341.9	1322.8
-45°	1318.0	1325.7	1330.3	1331.9	1330.3	1325.7	1318.0	1307.3	1293.7	1277.2	1257.6
-47.5°	1246.0	1254.1	1259.1	1260.7	1259.1	1254.1	1246.0	1234.7	1220.2	1202.8	1182.4
-50°	1164.0	1172.1	1177.0	1178.6	1177.0	1172.1	1164.0	1152.7	1138.3	1120.8	1100.4
-52.5°	1074.6	1082.8	1087.7	1089.4	1087.7	1082.8	1074.6	1063.1	1048.5	1030.7	1010.0
-55°	975.5	983.8	988.8	990.5	988.8	983.8	975.5	963.9	949.1	931.1	910.1
-57.5°	865.6	874.1	879.3	881.0	879.3	874.1	865.6	853.6	838.4	819.9	798.2
-60°	742.7	750.8	755.7	757.3	755.7	750.8	742.7	731.4	716.9	699.3	678.6
-62.5°	615.1	622.2	626.5	627.9	626.5	622.2	615.1	605.2	592.5	577.1	559.0
-65°	492.5	498.0	501.3	502.4	501.3	498.0	492.5	484.9	475.1	463.2	449.2
-67.5°	387.5	391.3	393.5	394.3	393.5	391.3	387.5	382.3	375.5	367.3	357.7
-70°	305.7	308.5	310.1	310.7	310.1	308.5	305.7	301.9	297.0	291.0	283.9
-72.5°	237.7	239.6	240.7	241.1	240.7	239.6	237.7	235.0	231.7	227.5	222.7
-75°	183.7	184.9	185.7	185.9	185.7	184.9	183.7	182.0	179.8	177.1	174.0
-77.5°	142.4	143.3	143.8	144.0	143.8	143.3	142.4	141.1	139.5	137.6	135.3
-80°	105.7	106.4	106.9	107.0	106.9	106.4	105.7	104.6	103.3	101.7	99.8
-82.5°	67.4	67.9	68.2	68.3	68.2	67.9	67.4	66.7	65.8	64.7	63.4
-85°	32.7	32.9	33.1	33.1	33.1	32.9	32.7	32.4	31.9	31.4	30.9
-87.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-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: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
85°	30.2	29.4	28.6	27.6	26.6	25.5	24.3	23.1	21.8	20.4	18.9
82.5°	61.9	60.2	58.4	56.3	54.1	51.7	49.1	46.4	43.5	40.5	37.3
80°	97.6	95.1	92.4	89.4	86.1	82.6	78.8	74.8	70.5	66.3	62.0
77.5°	132.7	129.7	126.4	122.8	118.9	114.7	110.1	105.3	99.9	94.3	88.5
75°	170.4	166.4	161.9	156.9	151.6	145.8	140.2	134.4	128.2	121.8	115.1
72.5°	217.1	210.8	203.9	196.3	188.0	180.7	173.5	165.8	157.7	149.2	140.7
70°	275.8	266.7	256.6	245.6	235.1	224.9	213.9	202.3	190.1	179.3	169.1
67.5°	346.7	334.3	320.5	306.3	292.7	278.1	262.5	245.9	231.1	216.6	201.4
65°	433.2	415.2	395.2	378.1	359.8	340.2	319.2	299.3	279.8	259.3	238.6
62.5°	538.3	515.0	491.1	466.9	440.6	412.4	385.1	360.5	334.6	308.0	284.4
60°	655.0	628.5	600.1	569.1	535.5	499.9	466.9	431.9	395.2	365.3	334.3
57.5°	773.4	745.0	712.8	677.7	639.8	600.1	558.2	514.0	472.4	430.5	388.6
55°	886.0	856.2	822.7	786.1	746.1	701.9	655.0	606.2	555.8	503.2	456.0
52.5°	985.8	956.5	924.2	889.0	847.2	801.4	752.7	699.3	643.3	586.2	527.3
50°	1075.9	1047.1	1015.5	980.0	939.1	895.4	845.0	790.0	731.4	668.7	604.5
47.5°	1157.5	1129.4	1098.5	1062.4	1022.5	978.9	929.2	876.6	815.0	750.8	681.5
45°	1232.5	1204.5	1173.5	1137.4	1098.7	1054.2	1006.2	952.1	894.0	827.6	757.3
42.5°	1299.2	1273.1	1241.9	1206.2	1167.2	1123.2	1075.7	1022.0	963.7	899.7	827.6
40°	1357.4	1333.1	1302.5	1269.4	1229.9	1186.7	1138.2	1086.5	1027.4	963.7	894.0
37.5°	1408.1	1384.1	1355.7	1324.1	1286.3	1244.2	1196.1	1143.2	1086.5	1022.0	952.1
35°	1452.8	1429.1	1402.4	1371.0	1336.5	1294.8	1249.0	1196.1	1138.2	1075.7	1006.2
32.5°	1491.2	1468.5	1443.5	1412.9	1378.8	1340.2	1294.8	1244.2	1186.7	1123.2	1054.2
30°	1522.8	1502.4	1478.1	1450.2	1416.4	1378.8	1336.5	1286.3	1229.9	1167.2	1098.7
27.5°	1550.1	1531.4	1508.0	1481.3	1450.2	1412.9	1371.0	1324.1	1269.4	1206.2	1137.4
25°	1573.1	1555.3	1533.9	1508.0	1478.1	1443.5	1402.4	1355.7	1302.5	1241.9	1173.5
22.5°	1592.0	1575.3	1555.3	1531.4	1502.4	1468.5	1429.1	1384.1	1333.1	1273.1	1204.5
20°	1606.6	1592.0	1573.1	1550.1	1522.8	1491.2	1452.8	1408.1	1357.4	1299.2	1232.5
17.5°	1615.9	1604.6	1588.0	1566.6	1539.9	1508.7	1471.9	1428.8	1379.2	1322.8	1257.6
15°	1622.2	1613.7	1599.0	1579.0	1554.2	1524.1	1489.0	1447.2	1397.9	1341.9	1277.2
12.5°	1623.7	1619.4	1608.4	1590.0	1566.1	1536.6	1501.9	1460.7	1412.5	1357.3	1293.7
10°	1624.6	1622.5	1613.8	1597.2	1574.5	1546.1	1512.2	1472.0	1424.7	1370.0	1307.3
7.5°	1623.9	1623.5	1617.3	1603.0	1581.2	1553.7	1520.3	1481.0	1434.2	1380.0	1318.0
5°	1623.4	1624.2	1619.9	1607.2	1586.0	1559.2	1526.2	1487.4	1441.1	1387.2	1325.7
2.5°	1623.1	1624.7	1621.5	1609.7	1589.0	1562.6	1529.8	1491.3	1445.3	1391.5	1330.3
0°	1623.0	1624.8	1622.0	1610.6	1590.0	1563.7	1531.0	1492.6	1446.7	1393.0	1331.9
-2.5°	1623.1	1624.7	1621.5	1609.7	1589.0	1562.6	1529.8	1491.3	1445.3	1391.5	1330.3
-5°	1623.4	1624.2	1619.9	1607.2	1586.0	1559.2	1526.2	1487.4	1441.1	1387.2	1325.7
-7.5°	1623.9	1623.5	1617.3	1603.0	1581.2	1553.7	1520.3	1481.0	1434.2	1380.0	1318.0
-10°	1624.6	1622.5	1613.8	1597.2	1574.5	1546.1	1512.2	1472.0	1424.7	1370.0	1307.3
-12.5°	1623.7	1619.4	1608.4	1590.0	1566.1	1536.6	1501.9	1460.7	1412.5	1357.3	1293.7
-15°	1622.2	1613.7	1599.0	1579.0	1554.2	1524.1	1489.0	1447.2	1397.9	1341.9	1277.2
-17.5°	1615.9	1604.6	1588.0	1566.6	1539.9	1508.7	1471.9	1428.8	1379.2	1322.8	1257.6
-20°	1606.6	1592.0	1573.1	1550.1	1522.8	1491.2	1452.8	1408.1	1357.4	1299.2	1232.5



REPORT NUMBER: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1592.0	1575.3	1555.3	1531.4	1502.4	1468.5	1429.1	1384.1	1333.1	1273.1	1204.5
-25°	1573.1	1555.3	1533.9	1508.0	1478.1	1443.5	1402.4	1355.7	1302.5	1241.9	1173.5
-27.5°	1550.1	1531.4	1508.0	1481.3	1450.2	1412.9	1371.0	1324.1	1269.4	1206.2	1137.4
-30°	1522.8	1502.4	1478.1	1450.2	1416.4	1378.8	1336.5	1286.3	1229.9	1167.2	1098.7
-32.5°	1491.2	1468.5	1443.5	1412.9	1378.8	1340.2	1294.8	1244.2	1186.7	1123.2	1054.2
-35°	1452.8	1429.1	1402.4	1371.0	1336.5	1294.8	1249.0	1196.1	1138.2	1075.7	1006.2
-37.5°	1408.1	1384.1	1355.7	1324.1	1286.3	1244.2	1196.1	1143.2	1086.5	1022.0	952.1
-40°	1357.4	1333.1	1302.5	1269.4	1229.9	1186.7	1138.2	1086.5	1027.4	963.7	894.0
-42.5°	1299.2	1273.1	1241.9	1206.2	1167.2	1123.2	1075.7	1022.0	963.7	899.7	827.6
-45°	1232.5	1204.5	1173.5	1137.4	1098.7	1054.2	1006.2	952.1	894.0	827.6	757.3
-47.5°	1157.5	1129.4	1098.5	1062.4	1022.5	978.9	929.2	876.6	815.0	750.8	681.5
-50°	1075.9	1047.1	1015.5	980.0	939.1	895.4	845.0	790.0	731.4	668.7	604.5
-52.5°	985.8	956.5	924.2	889.0	847.2	801.4	752.7	699.3	643.3	586.2	527.3
-55°	886.0	856.2	822.7	786.1	746.1	701.9	655.0	606.2	555.8	503.2	456.0
-57.5°	773.4	745.0	712.8	677.7	639.8	600.1	558.2	514.0	472.4	430.5	388.6
-60°	655.0	628.5	600.1	569.1	535.5	499.9	466.9	431.9	395.2	365.3	334.3
-62.5°	538.3	515.0	491.1	466.9	440.6	412.4	385.1	360.5	334.6	308.0	284.4
-65°	433.2	415.2	395.2	378.1	359.8	340.2	319.2	299.3	279.8	259.3	238.6
-67.5°	346.7	334.3	320.5	306.3	292.7	278.1	262.5	245.9	231.1	216.6	201.4
-70°	275.8	266.7	256.6	245.6	235.1	224.9	213.9	202.3	190.1	179.3	169.1
-72.5°	217.1	210.8	203.9	196.3	188.0	180.7	173.5	165.8	157.7	149.2	140.7
-75°	170.4	166.4	161.9	156.9	151.6	145.8	140.2	134.4	128.2	121.8	115.1
-77.5°	132.7	129.7	126.4	122.8	118.9	114.7	110.1	105.3	99.9	94.3	88.5
-80°	97.6	95.1	92.4	89.4	86.1	82.6	78.8	74.8	70.5	66.3	62.0
-82.5°	61.9	60.2	58.4	56.3	54.1	51.7	49.1	46.4	43.5	40.5	37.3
-85°	30.2	29.4	28.6	27.6	26.6	25.5	24.3	23.1	21.8	20.4	18.9
-87.5°	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.3
-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: P645322 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1C-727-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.0	5.7	5.4	5.1	4.8	4.4	4.1	3.8	3.4	3.0	2.7
85°	17.4	15.8	14.1	12.4	10.7	8.9	8.2	7.5	6.8	6.1	5.3
82.5°	33.9	31.3	28.8	26.3	23.6	20.9	18.1	15.3	12.4	9.5	8.0
80°	57.6	52.9	48.1	43.2	38.1	32.9	29.2	25.4	21.6	17.7	13.7
77.5°	82.4	76.0	69.4	63.1	56.7	50.2	43.5	36.6	30.7	25.8	20.8
75°	108.0	100.4	92.5	84.4	75.9	67.4	59.3	51.1	42.7	34.2	27.9
72.5°	132.5	123.9	115.1	105.9	96.1	86.1	75.8	65.5	55.7	45.8	35.7
70°	158.4	147.4	136.9	126.4	115.7	104.6	92.9	80.9	68.6	57.3	45.8
67.5°	185.6	173.2	160.3	147.0	134.6	122.3	109.6	96.3	82.6	68.6	55.7
65°	221.0	202.7	184.4	169.6	154.5	139.5	125.5	111.3	96.3	80.9	65.5
62.5°	259.9	235.9	215.2	193.8	175.3	158.2	141.2	125.5	109.6	92.9	75.8
60°	303.5	275.8	247.3	222.7	198.8	177.1	158.2	139.5	122.3	104.6	86.1
57.5°	353.6	317.5	285.4	253.6	225.2	198.8	175.3	154.5	134.6	115.7	96.1
55°	407.2	365.4	325.3	288.6	253.6	222.7	193.8	169.6	147.0	126.4	105.9
52.5°	471.5	417.5	369.3	325.3	285.4	247.3	215.2	184.4	160.3	136.9	115.1
50°	539.5	476.7	417.5	365.4	317.5	275.8	235.9	202.7	173.2	147.4	123.9
47.5°	610.7	539.5	471.5	407.2	353.6	303.5	259.9	221.0	185.6	158.4	132.5
45°	681.5	604.5	527.3	456.0	388.6	334.3	284.4	238.6	201.4	169.1	140.7
42.5°	750.8	668.7	586.2	503.2	430.5	365.3	308.0	259.3	216.6	179.3	149.2
40°	815.0	731.4	643.3	555.8	472.4	395.2	334.6	279.8	231.1	190.1	157.7
37.5°	876.6	790.0	699.3	606.2	514.0	431.9	360.5	299.3	245.9	202.3	165.8
35°	929.2	845.0	752.7	655.0	558.2	466.9	385.1	319.2	262.5	213.9	173.5
32.5°	978.9	895.4	801.4	701.9	600.1	499.9	412.4	340.2	278.1	224.9	180.7
30°	1022.5	939.1	847.2	746.1	639.8	535.5	440.6	359.8	292.7	235.1	188.0
27.5°	1062.4	980.0	889.0	786.1	677.7	569.1	466.9	378.1	306.3	245.6	196.3
25°	1098.5	1015.5	924.2	822.7	712.8	600.1	491.1	395.2	320.5	256.6	203.9
22.5°	1129.4	1047.1	956.5	856.2	745.0	628.5	515.0	415.2	334.3	266.7	210.8
20°	1157.5	1075.9	985.8	886.0	773.4	655.0	538.3	433.2	346.7	275.8	217.1
17.5°	1182.4	1100.4	1010.0	910.1	798.2	678.6	559.0	449.2	357.7	283.9	222.7
15°	1202.8	1120.8	1030.7	931.1	819.9	699.3	577.1	463.2	367.3	291.0	227.5
12.5°	1220.2	1138.3	1048.5	949.1	838.4	716.9	592.5	475.1	375.5	297.0	231.7
10°	1234.7	1152.7	1063.1	963.9	853.6	731.4	605.2	484.9	382.3	301.9	235.0
7.5°	1246.0	1164.0	1074.6	975.5	865.6	742.7	615.1	492.5	387.5	305.7	237.7
5°	1254.1	1172.1	1082.8	983.8	874.1	750.8	622.2	498.0	391.3	308.5	239.6
2.5°	1259.1	1177.0	1087.7	988.8	879.3	755.7	626.5	501.3	393.5	310.1	240.7
0°	1260.7	1178.6	1089.4	990.5	881.0	757.3	627.9	502.4	394.3	310.7	241.1
-2.5°	1259.1	1177.0	1087.7	988.8	879.3	755.7	626.5	501.3	393.5	310.1	240.7
-5°	1254.1	1172.1	1082.8	983.8	874.1	750.8	622.2	498.0	391.3	308.5	239.6
-7.5°	1246.0	1164.0	1074.6	975.5	865.6	742.7	615.1	492.5	387.5	305.7	237.7
-10°	1234.7	1152.7	1063.1	963.9	853.6	731.4	605.2	484.9	382.3	301.9	235.0
-12.5°	1220.2	1138.3	1048.5	949.1	838.4	716.9	592.5	475.1	375.5	297.0	231.7
-15°	1202.8	1120.8	1030.7	931.1	819.9	699.3	577.1	463.2	367.3	291.0	227.5
-17.5°	1182.4	1100.4	1010.0	910.1	798.2	678.6	559.0	449.2	357.7	283.9	222.7
-20°	1157.5	1075.9	985.8	886.0	773.4	655.0	538.3	433.2	346.7	275.8	217.1



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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°	1129.4	1047.1	956.5	856.2	745.0	628.5	515.0	415.2	334.3	266.7	210.8
-25°	1098.5	1015.5	924.2	822.7	712.8	600.1	491.1	395.2	320.5	256.6	203.9
-27.5°	1062.4	980.0	889.0	786.1	677.7	569.1	466.9	378.1	306.3	245.6	196.3
-30°	1022.5	939.1	847.2	746.1	639.8	535.5	440.6	359.8	292.7	235.1	188.0
-32.5°	978.9	895.4	801.4	701.9	600.1	499.9	412.4	340.2	278.1	224.9	180.7
-35°	929.2	845.0	752.7	655.0	558.2	466.9	385.1	319.2	262.5	213.9	173.5
-37.5°	876.6	790.0	699.3	606.2	514.0	431.9	360.5	299.3	245.9	202.3	165.8
-40°	815.0	731.4	643.3	555.8	472.4	395.2	334.6	279.8	231.1	190.1	157.7
-42.5°	750.8	668.7	586.2	503.2	430.5	365.3	308.0	259.3	216.6	179.3	149.2
-45°	681.5	604.5	527.3	456.0	388.6	334.3	284.4	238.6	201.4	169.1	140.7
-47.5°	610.7	539.5	471.5	407.2	353.6	303.5	259.9	221.0	185.6	158.4	132.5
-50°	539.5	476.7	417.5	365.4	317.5	275.8	235.9	202.7	173.2	147.4	123.9
-52.5°	471.5	417.5	369.3	325.3	285.4	247.3	215.2	184.4	160.3	136.9	115.1
-55°	407.2	365.4	325.3	288.6	253.6	222.7	193.8	169.6	147.0	126.4	105.9
-57.5°	353.6	317.5	285.4	253.6	225.2	198.8	175.3	154.5	134.6	115.7	96.1
-60°	303.5	275.8	247.3	222.7	198.8	177.1	158.2	139.5	122.3	104.6	86.1
-62.5°	259.9	235.9	215.2	193.8	175.3	158.2	141.2	125.5	109.6	92.9	75.8
-65°	221.0	202.7	184.4	169.6	154.5	139.5	125.5	111.3	96.3	80.9	65.5
-67.5°	185.6	173.2	160.3	147.0	134.6	122.3	109.6	96.3	82.6	68.6	55.7
-70°	158.4	147.4	136.9	126.4	115.7	104.6	92.9	80.9	68.6	57.3	45.8
-72.5°	132.5	123.9	115.1	105.9	96.1	86.1	75.8	65.5	55.7	45.8	35.7
-75°	108.0	100.4	92.5	84.4	75.9	67.4	59.3	51.1	42.7	34.2	27.9
-77.5°	82.4	76.0	69.4	63.1	56.7	50.2	43.5	36.6	30.7	25.8	20.8
-80°	57.6	52.9	48.1	43.2	38.1	32.9	29.2	25.4	21.6	17.7	13.7
-82.5°	33.9	31.3	28.8	26.3	23.6	20.9	18.1	15.3	12.4	9.5	8.0
-85°	17.4	15.8	14.1	12.4	10.7	8.9	8.2	7.5	6.8	6.1	5.3
-87.5°	6.0	5.7	5.4	5.1	4.8	4.4	4.1	3.8	3.4	3.0	2.7
-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):**

	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°	2.3	1.9	1.5	1.2	0.8	0.4	0.0
85°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
82.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
80°	9.6	7.7	6.2	4.6	3.1	1.5	0.0
77.5°	15.8	10.7	7.7	5.8	3.8	1.9	0.0
75°	21.9	15.8	9.6	6.9	4.6	2.3	0.0
72.5°	27.9	20.8	13.7	8.0	5.3	2.7	0.0
70°	34.2	25.8	17.7	9.5	6.1	3.0	0.0
67.5°	42.7	30.7	21.6	12.4	6.8	3.4	0.0
65°	51.1	36.6	25.4	15.3	7.5	3.8	0.0
62.5°	59.3	43.5	29.2	18.1	8.2	4.1	0.0
60°	67.4	50.2	32.9	20.9	8.9	4.4	0.0
57.5°	75.9	56.7	38.1	23.6	10.7	4.8	0.0
55°	84.4	63.1	43.2	26.3	12.4	5.1	0.0
52.5°	92.5	69.4	48.1	28.8	14.1	5.4	0.0
50°	100.4	76.0	52.9	31.3	15.8	5.7	0.0
47.5°	108.0	82.4	57.6	33.9	17.4	6.0	0.0
45°	115.1	88.5	62.0	37.3	18.9	6.3	0.0
42.5°	121.8	94.3	66.3	40.5	20.4	6.6	0.0
40°	128.2	99.9	70.5	43.5	21.8	6.8	0.0
37.5°	134.4	105.3	74.8	46.4	23.1	7.1	0.0
35°	140.2	110.1	78.8	49.1	24.3	7.3	0.0
32.5°	145.8	114.7	82.6	51.7	25.5	7.5	0.0
30°	151.6	118.9	86.1	54.1	26.6	7.7	0.0
27.5°	156.9	122.8	89.4	56.3	27.6	7.9	0.0
25°	161.9	126.4	92.4	58.4	28.6	8.1	0.0
22.5°	166.4	129.7	95.1	60.2	29.4	8.2	0.0
20°	170.4	132.7	97.6	61.9	30.2	8.4	0.0
17.5°	174.0	135.3	99.8	63.4	30.9	8.5	0.0
15°	177.1	137.6	101.7	64.7	31.4	8.6	0.0
12.5°	179.8	139.5	103.3	65.8	31.9	8.7	0.0
10°	182.0	141.1	104.6	66.7	32.4	8.8	0.0
7.5°	183.7	142.4	105.7	67.4	32.7	8.8	0.0
5°	184.9	143.3	106.4	67.9	32.9	8.9	0.0
2.5°	185.7	143.8	106.9	68.2	33.1	8.9	0.0
0°	185.9	144.0	107.0	68.3	33.1	8.9	0.0
-2.5°	185.7	143.8	106.9	68.2	33.1	8.9	0.0
-5°	184.9	143.3	106.4	67.9	32.9	8.9	0.0
-7.5°	183.7	142.4	105.7	67.4	32.7	8.8	0.0
-10°	182.0	141.1	104.6	66.7	32.4	8.8	0.0
-12.5°	179.8	139.5	103.3	65.8	31.9	8.7	0.0
-15°	177.1	137.6	101.7	64.7	31.4	8.6	0.0
-17.5°	174.0	135.3	99.8	63.4	30.9	8.5	0.0
-20°	170.4	132.7	97.6	61.9	30.2	8.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	166.4	129.7	95.1	60.2	29.4	8.2	0.0
-25°	161.9	126.4	92.4	58.4	28.6	8.1	0.0
-27.5°	156.9	122.8	89.4	56.3	27.6	7.9	0.0
-30°	151.6	118.9	86.1	54.1	26.6	7.7	0.0
-32.5°	145.8	114.7	82.6	51.7	25.5	7.5	0.0
-35°	140.2	110.1	78.8	49.1	24.3	7.3	0.0
-37.5°	134.4	105.3	74.8	46.4	23.1	7.1	0.0
-40°	128.2	99.9	70.5	43.5	21.8	6.8	0.0
-42.5°	121.8	94.3	66.3	40.5	20.4	6.6	0.0
-45°	115.1	88.5	62.0	37.3	18.9	6.3	0.0
-47.5°	108.0	82.4	57.6	33.9	17.4	6.0	0.0
-50°	100.4	76.0	52.9	31.3	15.8	5.7	0.0
-52.5°	92.5	69.4	48.1	28.8	14.1	5.4	0.0
-55°	84.4	63.1	43.2	26.3	12.4	5.1	0.0
-57.5°	75.9	56.7	38.1	23.6	10.7	4.8	0.0
-60°	67.4	50.2	32.9	20.9	8.9	4.4	0.0
-62.5°	59.3	43.5	29.2	18.1	8.2	4.1	0.0
-65°	51.1	36.6	25.4	15.3	7.5	3.8	0.0
-67.5°	42.7	30.7	21.6	12.4	6.8	3.4	0.0
-70°	34.2	25.8	17.7	9.5	6.1	3.0	0.0
-72.5°	27.9	20.8	13.7	8.0	5.3	2.7	0.0
-75°	21.9	15.8	9.6	6.9	4.6	2.3	0.0
-77.5°	15.8	10.7	7.7	5.8	3.8	1.9	0.0
-80°	9.6	7.7	6.2	4.6	3.1	1.5	0.0
-82.5°	6.9	5.8	4.6	3.5	2.3	1.2	0.0
-85°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
-87.5°	2.3	1.9	1.5	1.2	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)