

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: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-722-U-MWR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4D-722-U-MWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N85  
Light Source: (64) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

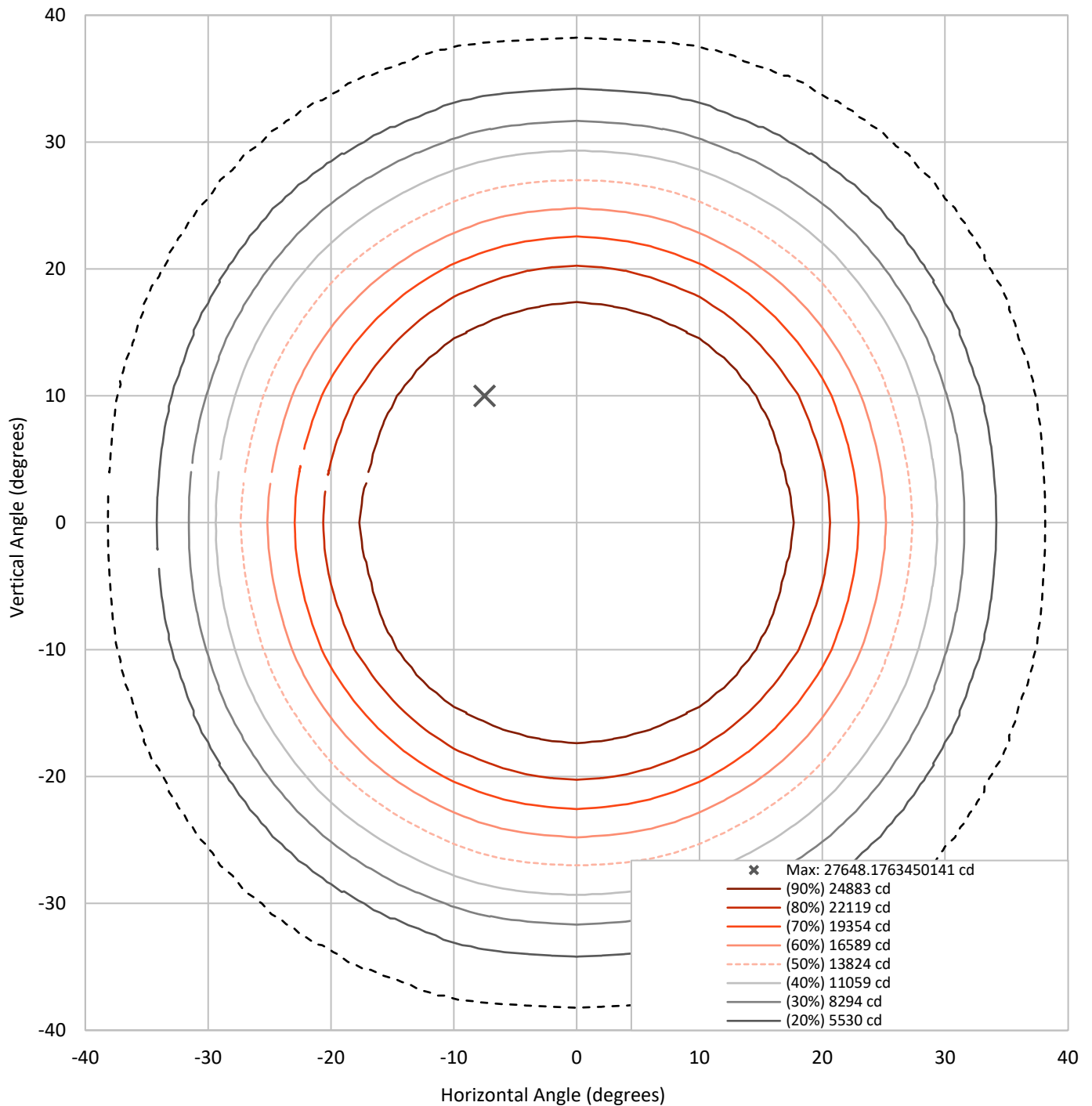
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	23531.2 lumens	Max Intensity:	27648.2 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	106.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	15618.6 lumens	Field Lumens:	20308.7 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	221.4		
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





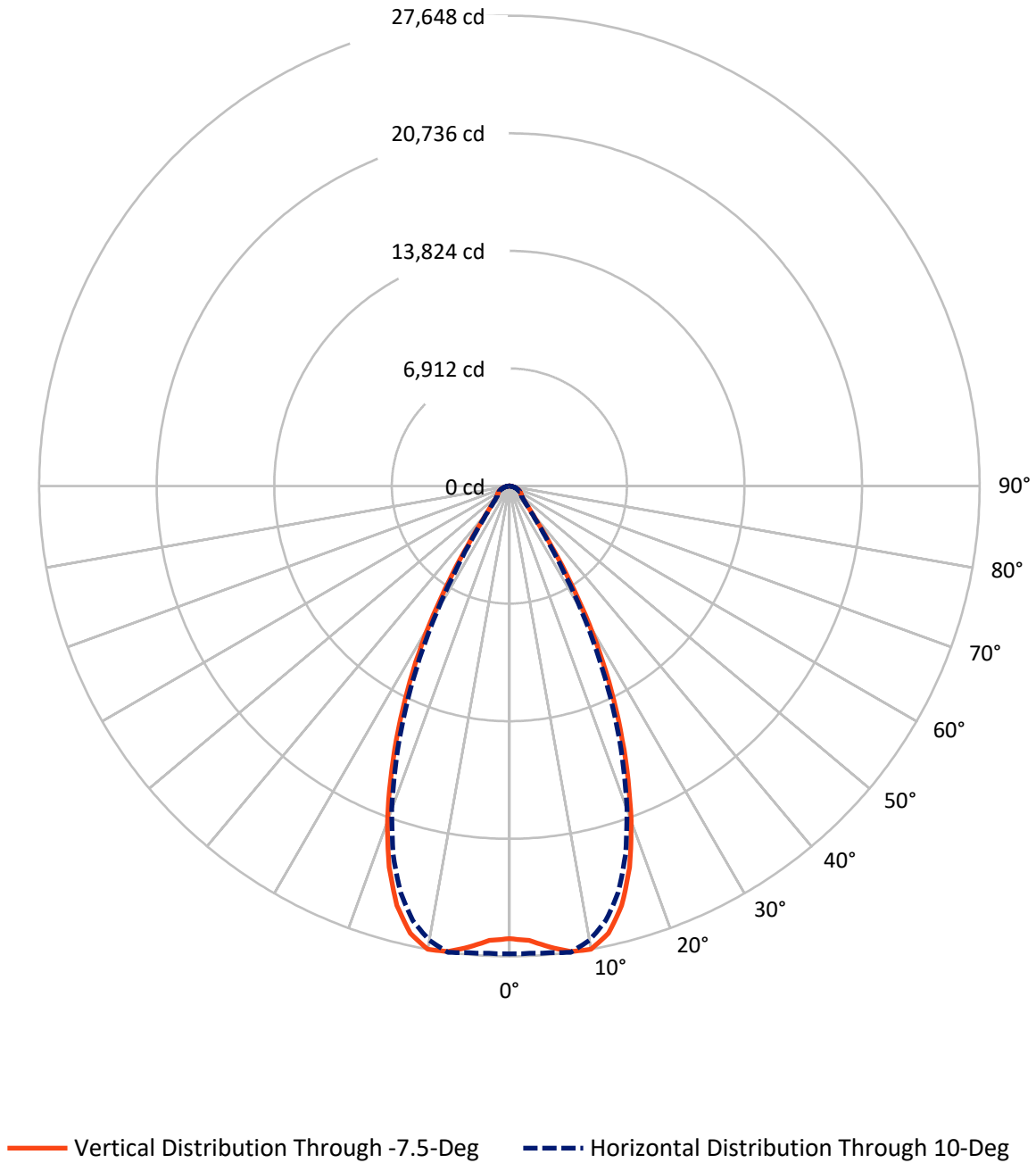
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### Lumen Table

90															90				
80	0.6	5.5		14.8		23.4		26.1		23.4		14.8		5.5		0.6			
70															70				
60	2.5	2.8	5.8	9.4	13.2	16.0	18.1	19.1	19.1	18.1	16.0	13.2	9.4	5.8	2.8	2.5			
50		4.2	8.5	13.6	18.1	22.0	24.6	25.6	25.6	24.6	22.0	18.1	13.6	8.5	4.2				
40	4.4	5.5	10.8	16.5	22.1	28.7	36.2	41.5	41.5	36.2	28.7	22.1	16.5	10.8	5.5	4.4			
30		6.5	12.5	18.9	29.3	53.5	102.4	151.7	151.7	102.4	53.5	29.3	18.9	12.5	6.5				
20	5.7	7.3	13.6	22.1	48.2	151.1	338.9	473.2	473.2	338.9	151.1	48.2	22.1	13.6	7.3	5.7			
10		7.7	14.3	26.3	87.1	322.0	615.0	769.7	769.7	615.0	322.0	87.1	26.3	14.3	7.7				
0	6.2	8.0	14.7	29.6	125.4	440.7	746.1	811.8	811.8	746.1	440.7	125.4	29.6	14.7	8.0	6.2			
-10		8.0	14.7	29.6	125.4	440.7	746.1	811.8	811.8	746.1	440.7	125.4	29.6	14.7	8.0				
-20	5.7	7.7	14.3	26.3	87.1	322.0	615.0	769.7	769.7	615.0	322.0	87.1	26.3	14.3	7.7	5.7			
-30		7.3	13.6	22.1	48.2	151.1	338.9	473.2	473.2	338.9	151.1	48.2	22.1	13.6	7.3				
-40	4.4	6.5	12.5	18.9	29.3	53.5	102.4	151.7	151.7	102.4	53.5	29.3	18.9	12.5	6.5	4.4			
-50		5.5	10.8	16.5	22.1	28.7	36.2	41.5	41.5	36.2	28.7	22.1	16.5	10.8	5.5				
-60	2.5	4.2	8.5	13.6	18.1	22.0	24.6	25.6	25.6	24.6	22.0	18.1	13.6	8.5	4.2	2.5			
-70		2.8	5.8	9.4	13.2	16.0	18.1	19.1	19.1	18.1	16.0	13.2	9.4	5.8	2.8				
-80															-80				
-90	0.6	5.5		14.8		23.4		26.1		23.4		14.8		5.5		0.6			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

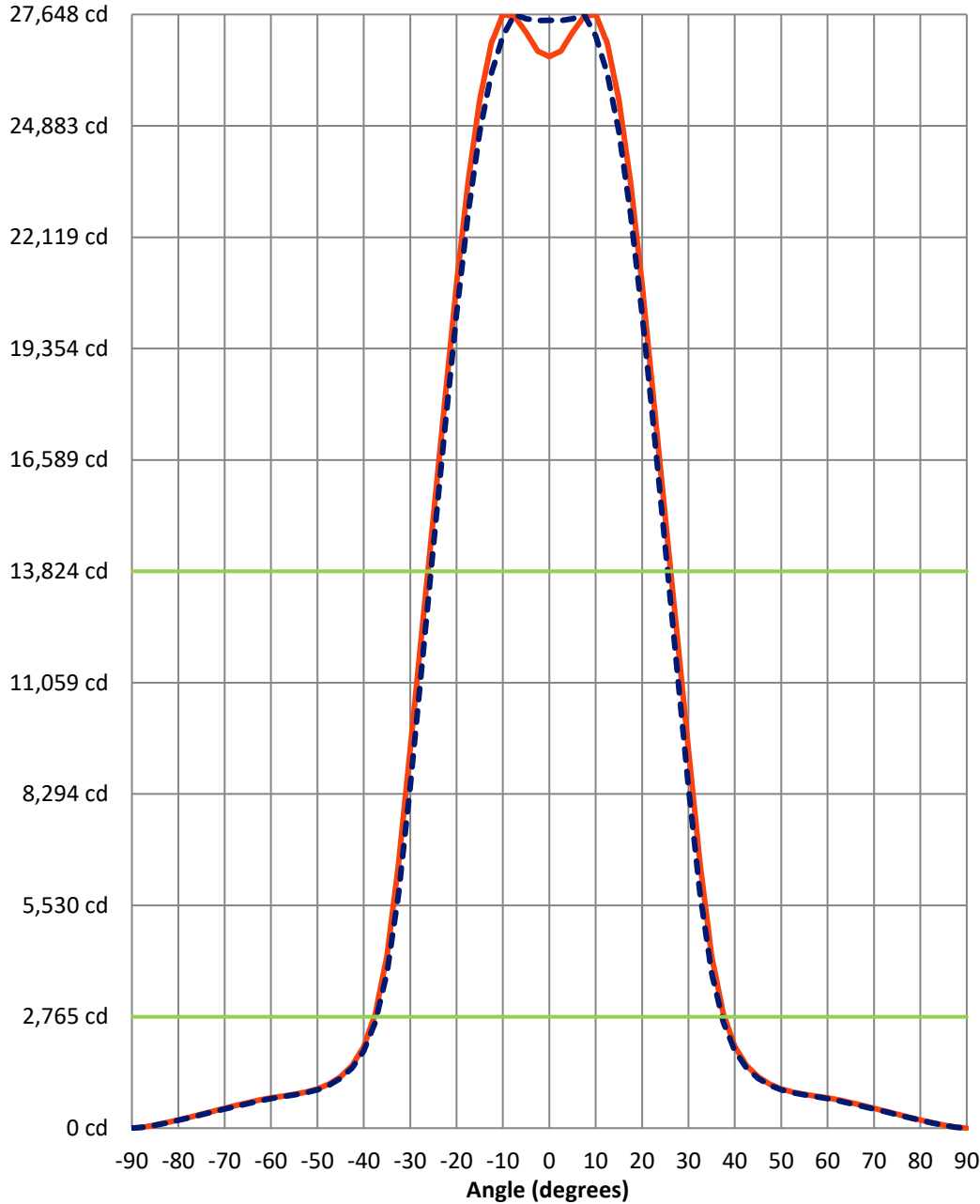
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 15618.6  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 20308.7  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 3222.5  
 Efficiency: 13.7%

— Vertical Distribution through -7.5-Deg  
 - - Horizontal Distribution through 10-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	1.1	2.1	3.2	4.2	5.2	6.3	7.6	9.1	10.6	12.2
85°	0.0	2.1	4.2	6.3	8.4	10.5	12.5	15.2	18.2	21.2	24.5
82.5°	0.0	3.2	6.3	9.4	12.6	15.7	18.7	22.8	27.7	34.9	41.8
80°	0.0	4.2	8.4	12.6	16.7	20.9	25.8	35.6	44.9	53.7	62.0
77.5°	0.0	5.2	10.5	15.7	20.9	28.1	39.3	50.9	62.0	72.4	83.6
75°	0.0	6.3	12.5	18.7	25.8	39.3	52.7	66.2	79.4	94.6	109.6
72.5°	0.0	7.3	14.5	21.8	34.7	50.4	66.0	82.1	100.1	117.9	135.3
70°	0.0	8.3	16.5	25.4	43.5	61.3	79.4	100.1	120.6	140.8	162.1
67.5°	0.0	9.3	18.5	31.9	52.1	72.1	94.5	117.9	140.8	164.5	188.7
65°	0.0	10.2	20.4	38.3	60.6	83.5	109.3	135.3	161.2	187.7	215.9
62.5°	0.0	11.2	22.3	44.5	68.9	95.4	123.7	152.5	181.1	211.1	245.0
60°	0.0	12.1	24.2	50.6	77.0	106.9	137.8	169.2	200.5	236.4	273.4
57.5°	0.0	13.0	28.1	56.6	85.9	118.2	151.8	185.5	221.6	261.0	300.2
55°	0.0	13.9	31.9	62.4	94.5	129.1	165.7	201.5	242.5	284.6	325.9
52.5°	0.0	14.7	35.5	68.0	102.8	139.8	179.1	219.0	262.8	307.1	350.9
50°	0.0	15.6	39.0	73.4	110.9	150.7	192.3	236.1	282.2	328.9	375.1
47.5°	0.0	16.3	42.4	78.8	118.6	161.4	205.2	252.6	300.8	349.8	398.4
45°	0.0	17.1	45.6	84.3	125.9	171.7	218.6	268.2	318.8	370.0	420.9
42.5°	0.0	17.8	48.7	89.5	133.0	181.6	231.4	283.2	335.9	389.3	442.1
40°	0.0	18.5	51.6	94.4	140.1	191.1	243.4	297.3	352.2	407.8	462.5
37.5°	0.0	19.2	54.3	98.9	147.3	200.2	254.9	310.6	367.9	425.6	482.1
35°	0.0	19.8	56.8	103.2	154.1	209.1	265.6	323.0	383.0	442.3	500.4
32.5°	0.0	20.4	59.2	107.2	160.6	217.4	275.5	334.5	397.2	457.7	516.5
30°	0.0	21.0	61.4	110.8	166.6	225.2	284.8	345.4	410.6	472.0	531.5
27.5°	0.0	21.5	63.4	114.2	172.0	232.4	293.2	356.1	422.8	485.1	545.4
25°	0.0	21.9	65.2	117.3	176.9	238.9	300.9	366.0	433.5	496.6	558.1
22.5°	0.0	22.4	66.8	120.1	181.3	244.7	307.8	375.1	443.0	506.8	569.6
20°	0.0	22.7	68.2	122.6	185.2	249.6	313.9	383.3	451.4	516.0	579.9
17.5°	0.0	23.1	69.4	124.7	188.7	253.9	319.4	390.5	458.8	524.0	588.9
15°	0.0	23.4	70.5	126.5	191.6	257.6	324.3	397.1	465.0	530.8	596.6
12.5°	0.0	23.6	71.3	128.0	194.0	260.6	328.6	402.9	470.5	536.5	602.9
10°	0.0	23.8	71.9	129.2	195.9	263.0	332.2	407.6	475.3	541.8	608.3
7.5°	0.0	24.0	72.4	130.1	197.3	264.8	335.0	411.3	479.1	546.1	613.1
5°	0.0	24.1	72.6	130.6	198.2	265.9	337.0	414.0	481.7	549.2	616.5
2.5°	0.0	24.2	72.7	130.8	198.6	266.3	338.3	415.6	483.4	551.0	618.6
0°	0.0	24.2	72.6	130.6	198.4	266.1	338.7	416.1	483.9	551.6	619.3
-2.5°	0.0	24.2	72.7	130.8	198.6	266.3	338.3	415.6	483.4	551.0	618.6
-5°	0.0	24.1	72.6	130.6	198.2	265.9	337.0	414.0	481.7	549.2	616.5
-7.5°	0.0	24.0	72.4	130.1	197.3	264.8	335.0	411.3	479.1	546.1	613.1
-10°	0.0	23.8	71.9	129.2	195.9	263.0	332.2	407.6	475.3	541.8	608.3
-12.5°	0.0	23.6	71.3	128.0	194.0	260.6	328.6	402.9	470.5	536.5	602.9
-15°	0.0	23.4	70.5	126.5	191.6	257.6	324.3	397.1	465.0	530.8	596.6
-17.5°	0.0	23.1	69.4	124.7	188.7	253.9	319.4	390.5	458.8	524.0	588.9
-20°	0.0	22.7	68.2	122.6	185.2	249.6	313.9	383.3	451.4	516.0	579.9

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4D-722-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	22.4	66.8	120.1	181.3	244.7	307.8	375.1	443.0	506.8	569.6
-25°	0.0	21.9	65.2	117.3	176.9	238.9	300.9	366.0	433.5	496.6	558.1
-27.5°	0.0	21.5	63.4	114.2	172.0	232.4	293.2	356.1	422.8	485.1	545.4
-30°	0.0	21.0	61.4	110.8	166.6	225.2	284.8	345.4	410.6	472.0	531.5
-32.5°	0.0	20.4	59.2	107.2	160.6	217.4	275.5	334.5	397.2	457.7	516.5
-35°	0.0	19.8	56.8	103.2	154.1	209.1	265.6	323.0	383.0	442.3	500.4
-37.5°	0.0	19.2	54.3	98.9	147.3	200.2	254.9	310.6	367.9	425.6	482.1
-40°	0.0	18.5	51.6	94.4	140.1	191.1	243.4	297.3	352.2	407.8	462.5
-42.5°	0.0	17.8	48.7	89.5	133.0	181.6	231.4	283.2	335.9	389.3	442.1
-45°	0.0	17.1	45.6	84.3	125.9	171.7	218.6	268.2	318.8	370.0	420.9
-47.5°	0.0	16.3	42.4	78.8	118.6	161.4	205.2	252.6	300.8	349.8	398.4
-50°	0.0	15.6	39.0	73.4	110.9	150.7	192.3	236.1	282.2	328.9	375.1
-52.5°	0.0	14.7	35.5	68.0	102.8	139.8	179.1	219.0	262.8	307.1	350.9
-55°	0.0	13.9	31.9	62.4	94.5	129.1	165.7	201.5	242.5	284.6	325.9
-57.5°	0.0	13.0	28.1	56.6	85.9	118.2	151.8	185.5	221.6	261.0	300.2
-60°	0.0	12.1	24.2	50.6	77.0	106.9	137.8	169.2	200.5	236.4	273.4
-62.5°	0.0	11.2	22.3	44.5	68.9	95.4	123.7	152.5	181.1	211.1	245.0
-65°	0.0	10.2	20.4	38.3	60.6	83.5	109.3	135.3	161.2	187.7	215.9
-67.5°	0.0	9.3	18.5	31.9	52.1	72.1	94.5	117.9	140.8	164.5	188.7
-70°	0.0	8.3	16.5	25.4	43.5	61.3	79.4	100.1	120.6	140.8	162.1
-72.5°	0.0	7.3	14.5	21.8	34.7	50.4	66.0	82.1	100.1	117.9	135.3
-75°	0.0	6.3	12.5	18.7	25.8	39.3	52.7	66.2	79.4	94.6	109.6
-77.5°	0.0	5.2	10.5	15.7	20.9	28.1	39.3	50.9	62.0	72.4	83.6
-80°	0.0	4.2	8.4	12.6	16.7	20.9	25.8	35.6	44.9	53.7	62.0
-82.5°	0.0	3.2	6.3	9.4	12.6	15.7	18.7	22.8	27.7	34.9	41.8
-85°	0.0	2.1	4.2	6.3	8.4	10.5	12.5	15.2	18.2	21.2	24.5
-87.5°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.6	9.1	10.6	12.2
-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°	13.4	14.5	15.6	16.6	17.7	18.6	19.6	20.5	21.4	22.2	23.0
85°	26.8	29.0	32.8	36.8	40.5	44.2	47.7	51.0	54.2	57.3	60.2
82.5°	47.9	54.2	60.6	67.2	72.9	78.3	83.7	89.2	94.6	100.1	105.5
80°	70.5	79.3	89.3	98.8	107.1	115.0	122.6	129.9	137.9	146.4	155.1
77.5°	96.6	109.0	120.7	131.7	142.2	153.8	164.9	175.7	186.8	197.8	208.3
75°	124.5	138.7	153.7	168.4	182.7	196.6	210.1	223.9	237.9	251.7	264.9
72.5°	153.4	171.4	189.1	206.3	224.0	241.3	258.0	274.1	290.7	307.7	324.0
70°	183.3	203.9	225.7	246.6	266.6	286.8	307.3	327.0	346.2	365.9	385.4
67.5°	213.6	239.4	263.9	287.1	310.7	334.5	357.6	381.1	403.9	426.7	448.6
65°	246.8	275.1	301.8	328.5	355.3	383.2	410.4	436.6	463.0	488.6	511.6
62.5°	279.4	309.5	339.1	369.4	401.3	432.6	462.3	492.5	523.2	550.0	573.2
60°	309.4	342.8	375.9	410.4	445.7	479.4	512.7	545.5	578.5	609.3	628.3
57.5°	338.4	375.3	412.0	449.2	486.3	523.9	559.0	595.0	625.7	651.6	673.6
55°	366.6	406.6	445.7	484.8	524.9	564.2	602.3	636.5	666.5	688.1	709.4
52.5°	394.1	436.2	476.6	518.9	561.5	603.3	643.0	674.8	699.3	721.5	741.3
50°	420.7	463.6	506.3	552.1	597.1	641.2	678.6	706.4	731.4	753.0	773.8
47.5°	445.6	490.4	536.0	584.1	631.5	674.2	708.5	737.6	763.1	786.4	811.0
45°	469.6	517.1	565.3	615.0	663.3	704.6	737.7	769.0	793.0	819.2	847.5
42.5°	492.9	542.8	593.3	644.6	693.5	732.1	765.1	793.9	822.0	853.1	887.2
40°	515.1	567.1	619.8	673.1	721.9	756.1	788.5	819.0	853.1	890.0	929.5
37.5°	535.9	589.8	644.5	700.0	742.8	778.0	811.2	845.1	884.8	927.6	981.3
35°	555.3	611.0	667.6	720.9	761.5	798.9	833.2	871.1	917.4	973.4	1042.1
32.5°	573.3	630.6	688.9	737.7	778.8	817.6	852.8	900.1	955.8	1022.4	1119.6
30°	589.9	648.6	707.1	754.3	794.4	833.3	876.3	929.4	994.6	1091.8	1216.2
27.5°	605.3	664.9	721.3	768.1	808.3	848.4	898.7	963.2	1048.9	1164.9	1319.5
25°	619.4	680.5	735.0	779.7	821.2	865.7	920.3	992.8	1105.6	1255.4	1464.3
22.5°	632.2	694.6	748.0	789.7	833.3	881.5	945.2	1035.9	1165.9	1340.8	1610.3
20°	643.6	705.2	757.8	799.1	844.4	894.6	967.4	1076.8	1233.5	1460.0	1804.1
17.5°	653.7	714.5	765.2	808.2	855.3	909.4	989.0	1112.2	1293.6	1564.0	2000.0
15°	662.3	722.5	771.4	816.0	864.8	926.3	1019.1	1158.4	1363.4	1672.2	2170.7
12.5°	669.4	729.0	776.4	822.3	872.6	940.5	1044.8	1202.1	1435.9	1805.1	2422.2
10°	675.0	734.2	780.3	827.2	878.7	951.9	1065.7	1237.7	1495.9	1920.3	2636.7
7.5°	680.2	738.0	783.0	830.7	883.0	960.3	1081.6	1265.2	1541.9	2010.7	2806.6
5°	684.0	740.2	784.5	832.7	886.7	965.8	1092.4	1284.3	1573.7	2075.3	2926.0
2.5°	686.3	741.0	784.8	833.2	889.4	968.3	1098.0	1294.9	1598.7	2105.9	2990.3
0°	687.1	740.3	783.9	832.2	890.3	967.7	1098.4	1296.8	1611.3	2104.8	3000.0
-2.5°	686.3	741.0	784.8	833.2	889.4	968.3	1098.0	1294.9	1598.7	2105.9	2990.3
-5°	684.0	740.2	784.5	832.7	886.7	965.8	1092.4	1284.3	1573.7	2075.3	2926.0
-7.5°	680.2	738.0	783.0	830.7	883.0	960.3	1081.6	1265.2	1541.9	2010.7	2806.6
-10°	675.0	734.2	780.3	827.2	878.7	951.9	1065.7	1237.7	1495.9	1920.3	2636.7
-12.5°	669.4	729.0	776.4	822.3	872.6	940.5	1044.8	1202.1	1435.9	1805.1	2422.2
-15°	662.3	722.5	771.4	816.0	864.8	926.3	1019.1	1158.4	1363.4	1672.2	2170.7
-17.5°	653.7	714.5	765.2	808.2	855.3	909.4	989.0	1112.2	1293.6	1564.0	2000.0
-20°	643.6	705.2	757.8	799.1	844.4	894.6	967.4	1076.8	1233.5	1460.0	1804.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	632.2	694.6	748.0	789.7	833.3	881.5	945.2	1035.9	1165.9	1340.8	1610.3
-25°	619.4	680.5	735.0	779.7	821.2	865.7	920.3	992.8	1105.6	1255.4	1464.3
-27.5°	605.3	664.9	721.3	768.1	808.3	848.4	898.7	963.2	1048.9	1164.9	1319.5
-30°	589.9	648.6	707.1	754.3	794.4	833.3	876.3	929.4	994.6	1091.8	1216.2
-32.5°	573.3	630.6	688.9	737.7	778.8	817.6	852.8	900.1	955.8	1022.4	1119.6
-35°	555.3	611.0	667.6	720.9	761.5	798.9	833.2	871.1	917.4	973.4	1042.1
-37.5°	535.9	589.8	644.5	700.0	742.8	778.0	811.2	845.1	884.8	927.6	981.3
-40°	515.1	567.1	619.8	673.1	721.9	756.1	788.5	819.0	853.1	890.0	929.5
-42.5°	492.9	542.8	593.3	644.6	693.5	732.1	765.1	793.9	822.0	853.1	887.2
-45°	469.6	517.1	565.3	615.0	663.3	704.6	737.7	769.0	793.0	819.2	847.5
-47.5°	445.6	490.4	536.0	584.1	631.5	674.2	708.5	737.6	763.1	786.4	811.0
-50°	420.7	463.6	506.3	552.1	597.1	641.2	678.6	706.4	731.4	753.0	773.8
-52.5°	394.1	436.2	476.6	518.9	561.5	603.3	643.0	674.8	699.3	721.5	741.3
-55°	366.6	406.6	445.7	484.8	524.9	564.2	602.3	636.5	666.5	688.1	709.4
-57.5°	338.4	375.3	412.0	449.2	486.3	523.9	559.0	595.0	625.7	651.6	673.6
-60°	309.4	342.8	375.9	410.4	445.7	479.4	512.7	545.5	578.5	609.3	628.3
-62.5°	279.4	309.5	339.1	369.4	401.3	432.6	462.3	492.5	523.2	550.0	573.2
-65°	246.8	275.1	301.8	328.5	355.3	383.2	410.4	436.6	463.0	488.6	511.6
-67.5°	213.6	239.4	263.9	287.1	310.7	334.5	357.6	381.1	403.9	426.7	448.6
-70°	183.3	203.9	225.7	246.6	266.6	286.8	307.3	327.0	346.2	365.9	385.4
-72.5°	153.4	171.4	189.1	206.3	224.0	241.3	258.0	274.1	290.7	307.7	324.0
-75°	124.5	138.7	153.7	168.4	182.7	196.6	210.1	223.9	237.9	251.7	264.9
-77.5°	96.6	109.0	120.7	131.7	142.2	153.8	164.9	175.7	186.8	197.8	208.3
-80°	70.5	79.3	89.3	98.8	107.1	115.0	122.6	129.9	137.9	146.4	155.1
-82.5°	47.9	54.2	60.6	67.2	72.9	78.3	83.7	89.2	94.6	100.1	105.5
-85°	26.8	29.0	32.8	36.8	40.5	44.2	47.7	51.0	54.2	57.3	60.2
-87.5°	13.4	14.5	15.6	16.6	17.7	18.6	19.6	20.5	21.4	22.2	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: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-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°	23.8	23.5	23.0	22.5	21.9	23.5	25.0	26.5	28.0	27.1	26.2
85°	63.0	64.4	65.6	66.6	67.5	70.5	73.4	76.1	78.6	78.6	78.2
82.5°	110.9	114.4	117.5	120.2	122.6	126.1	129.3	132.0	134.3	136.1	137.5
80°	163.4	169.1	174.1	178.6	182.6	187.3	191.6	195.4	198.8	200.6	201.7
77.5°	218.8	227.2	234.8	242.0	248.9	255.6	261.8	267.3	272.1	273.2	273.0
75°	277.5	288.9	299.5	309.4	318.5	326.4	333.0	338.6	343.1	345.4	346.6
72.5°	339.4	353.3	365.9	377.2	386.9	395.0	402.0	408.0	413.1	416.4	418.3
70°	403.9	420.4	433.3	444.0	452.3	460.3	469.3	477.9	485.9	490.5	492.2
67.5°	468.6	485.7	497.6	507.2	514.8	522.7	534.1	544.3	553.4	559.5	563.4
65°	531.9	550.0	561.8	571.1	578.1	586.0	598.7	608.8	616.5	622.7	628.2
62.5°	594.5	612.7	625.9	636.9	647.1	655.8	666.2	674.7	681.3	687.3	694.2
60°	648.7	670.3	684.1	695.3	707.9	721.5	729.2	735.5	741.1	745.9	750.1
57.5°	693.0	712.2	730.0	743.5	756.6	769.2	778.2	784.2	789.1	792.7	794.1
55°	730.0	749.9	769.8	784.3	797.2	809.0	818.9	826.7	833.2	838.3	839.5
52.5°	763.3	785.6	805.0	821.8	838.9	852.8	863.7	874.3	883.6	891.0	894.3
50°	799.4	822.7	847.0	869.6	887.7	903.6	916.8	931.8	947.6	960.7	968.9
47.5°	837.4	864.3	893.7	921.4	942.8	966.4	988.3	1010.6	1040.0	1064.7	1083.0
45°	877.1	911.7	945.2	980.4	1010.0	1054.5	1095.8	1131.2	1178.3	1221.0	1255.0
42.5°	924.1	967.1	1008.2	1064.6	1123.7	1184.4	1250.0	1305.9	1379.6	1454.5	1515.0
40°	979.7	1034.7	1107.1	1182.8	1276.1	1359.6	1472.8	1573.7	1686.7	1829.5	1947.5
37.5°	1046.6	1131.4	1232.1	1337.7	1483.1	1621.9	1809.1	2006.4	2185.4	2460.2	2691.3
35°	1133.5	1252.1	1384.7	1571.5	1777.3	2037.6	2329.6	2710.6	3037.3	3500.8	3943.8
32.5°	1245.5	1397.9	1614.5	1902.9	2207.1	2679.7	3143.1	3804.7	4417.3	5151.9	5944.7
30°	1370.1	1602.1	1933.0	2328.6	2896.0	3591.3	4408.1	5424.2	6536.2	7568.7	8586.1
27.5°	1550.8	1883.1	2317.8	2956.3	3840.5	4813.3	6244.4	7623.7	9062.8	10342.0	11408.8
25°	1761.7	2200.9	2873.1	3813.2	5009.1	6674.7	8387.9	10090.3	11637.8	12977.0	14155.8
22.5°	2034.1	2665.8	3561.8	4779.5	6641.8	8638.2	10647.1	12524.7	14175.6	15666.9	16942.9
20°	2330.4	3120.8	4400.4	6216.3	8345.9	10620.3	12888.6	14888.7	16706.5	18397.3	19835.5
17.5°	2705.9	3812.8	5433.2	7611.6	10073.8	12565.7	14948.6	17119.2	19181.4	20970.7	22473.3
15°	3025.8	4422.2	6537.2	9091.9	11755.1	14383.7	16899.5	19257.2	21401.3	23237.1	24649.7
12.5°	3452.7	5105.2	7517.3	10364.5	13250.5	16016.3	18666.3	21103.1	23285.1	25100.7	26200.4
10°	3856.1	5812.4	8464.5	11433.8	14432.1	17379.1	20208.5	22707.7	24733.5	26177.8	27114.9
7.5°	4199.2	6420.1	9235.1	12298.2	15370.9	18452.0	21316.1	23747.7	25615.6	26821.8	27474.2
5°	4455.3	6874.4	9807.0	13000.5	16153.6	19288.8	22130.5	24413.2	26027.6	26923.7	27251.2
2.5°	4618.5	7141.2	10139.0	13461.3	16677.4	19818.2	22689.1	24936.1	26305.8	26899.7	26956.2
0°	4683.8	7175.7	10190.2	13703.0	16809.4	19969.0	22848.0	25151.2	26409.2	26898.0	26888.3
-2.5°	4618.5	7141.2	10139.0	13461.3	16677.4	19818.2	22689.1	24936.1	26305.8	26899.7	26956.2
-5°	4455.3	6874.4	9807.0	13000.5	16153.6	19288.8	22130.5	24413.2	26027.6	26923.7	27251.2
-7.5°	4199.2	6420.1	9235.1	12298.2	15370.9	18452.0	21316.1	23747.7	25615.6	26821.8	27474.2
-10°	3856.1	5812.4	8464.5	11433.8	14432.1	17379.1	20208.5	22707.7	24733.5	26177.8	27114.9
-12.5°	3452.7	5105.2	7517.3	10364.5	13250.5	16016.3	18666.3	21103.1	23285.1	25100.7	26200.4
-15°	3025.8	4422.2	6537.2	9091.9	11755.1	14383.7	16899.5	19257.2	21401.3	23237.1	24649.7
-17.5°	2705.9	3812.8	5433.2	7611.6	10073.8	12565.7	14948.6	17119.2	19181.4	20970.7	22473.3
-20°	2330.4	3120.8	4400.4	6216.3	8345.9	10620.3	12888.6	14888.7	16706.5	18397.3	19835.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2034.1	2665.8	3561.8	4779.5	6641.8	8638.2	10647.1	12524.7	14175.6	15666.9	16942.9
-25°	1761.7	2200.9	2873.1	3813.2	5009.1	6674.7	8387.9	10090.3	11637.8	12977.0	14155.8
-27.5°	1550.8	1883.1	2317.8	2956.3	3840.5	4813.3	6244.4	7623.7	9062.8	10342.0	11408.8
-30°	1370.1	1602.1	1933.0	2328.6	2896.0	3591.3	4408.1	5424.2	6536.2	7568.7	8586.1
-32.5°	1245.5	1397.9	1614.5	1902.9	2207.1	2679.7	3143.1	3804.7	4417.3	5151.9	5944.7
-35°	1133.5	1252.1	1384.7	1571.5	1777.3	2037.6	2329.6	2710.6	3037.3	3500.8	3943.8
-37.5°	1046.6	1131.4	1232.1	1337.7	1483.1	1621.9	1809.1	2006.4	2185.4	2460.2	2691.3
-40°	979.7	1034.7	1107.1	1182.8	1276.1	1359.6	1472.8	1573.7	1686.7	1829.5	1947.5
-42.5°	924.1	967.1	1008.2	1064.6	1123.7	1184.4	1250.0	1305.9	1379.6	1454.5	1515.0
-45°	877.1	911.7	945.2	980.4	1010.0	1054.5	1095.8	1131.2	1178.3	1221.0	1255.0
-47.5°	837.4	864.3	893.7	921.4	942.8	966.4	988.3	1010.6	1040.0	1064.7	1083.0
-50°	799.4	822.7	847.0	869.6	887.7	903.6	916.8	931.8	947.6	960.7	968.9
-52.5°	763.3	785.6	805.0	821.8	838.9	852.8	863.7	874.3	883.6	891.0	894.3
-55°	730.0	749.9	769.8	784.3	797.2	809.0	818.9	826.7	833.2	838.3	839.5
-57.5°	693.0	712.2	730.0	743.5	756.6	769.2	778.2	784.2	789.1	792.7	794.1
-60°	648.7	670.3	684.1	695.3	707.9	721.5	729.2	735.5	741.1	745.9	750.1
-62.5°	594.5	612.7	625.9	636.9	647.1	655.8	666.2	674.7	681.3	687.3	694.2
-65°	531.9	550.0	561.8	571.1	578.1	586.0	598.7	608.8	616.5	622.7	628.2
-67.5°	468.6	485.7	497.6	507.2	514.8	522.7	534.1	544.3	553.4	559.5	563.4
-70°	403.9	420.4	433.3	444.0	452.3	460.3	469.3	477.9	485.9	490.5	492.2
-72.5°	339.4	353.3	365.9	377.2	386.9	395.0	402.0	408.0	413.1	416.4	418.3
-75°	277.5	288.9	299.5	309.4	318.5	326.4	333.0	338.6	343.1	345.4	346.6
-77.5°	218.8	227.2	234.8	242.0	248.9	255.6	261.8	267.3	272.1	273.2	273.0
-80°	163.4	169.1	174.1	178.6	182.6	187.3	191.6	195.4	198.8	200.6	201.7
-82.5°	110.9	114.4	117.5	120.2	122.6	126.1	129.3	132.0	134.3	136.1	137.5
-85°	63.0	64.4	65.6	66.6	67.5	70.5	73.4	76.1	78.6	78.6	78.2
-87.5°	23.8	23.5	23.0	22.5	21.9	23.5	25.0	26.5	28.0	27.1	26.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-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°	25.2	24.1	24.2	24.2	24.2	24.1	25.2	26.2	27.1	28.0	26.5
85°	77.7	77.0	74.9	72.6	74.9	77.0	77.7	78.2	78.6	78.6	76.1
82.5°	138.7	139.6	137.7	135.5	137.7	139.6	138.7	137.5	136.1	134.3	132.0
80°	202.3	202.3	200.6	198.4	200.6	202.3	202.3	201.7	200.6	198.8	195.4
77.5°	271.8	269.9	270.7	271.0	270.7	269.9	271.8	273.0	273.2	272.1	267.3
75°	347.1	346.8	345.6	343.5	345.6	346.8	347.1	346.6	345.4	343.1	338.6
72.5°	419.3	419.2	418.2	416.1	418.2	419.2	419.3	418.3	416.4	413.1	408.0
70°	492.6	491.7	492.9	493.5	492.9	491.7	492.6	492.2	490.5	485.9	477.9
67.5°	566.5	568.4	568.1	566.1	568.1	568.4	566.5	563.4	559.5	553.4	544.3
65°	632.7	636.0	638.0	638.7	638.0	636.0	632.7	628.2	622.7	616.5	608.8
62.5°	699.5	703.3	703.6	701.6	703.6	703.3	699.5	694.2	687.3	681.3	674.7
60°	752.5	753.1	752.2	750.0	752.2	753.1	752.5	750.1	745.9	741.1	735.5
57.5°	794.1	792.7	791.0	788.7	791.0	792.7	794.1	794.1	792.7	789.1	784.2
55°	838.8	836.5	834.5	832.2	834.5	836.5	838.8	839.5	838.3	833.2	826.7
52.5°	895.0	893.7	892.4	890.3	892.4	893.7	895.0	894.3	891.0	883.6	874.3
50°	973.1	974.3	974.2	972.6	974.2	974.3	973.1	968.9	960.7	947.6	931.8
47.5°	1094.6	1101.0	1105.4	1108.0	1105.4	1101.0	1094.6	1083.0	1064.7	1040.0	1010.6
45°	1276.7	1289.6	1298.8	1306.4	1298.8	1289.6	1276.7	1255.0	1221.0	1178.3	1131.2
42.5°	1557.6	1586.6	1600.2	1596.7	1600.2	1586.6	1557.6	1515.0	1454.5	1379.6	1305.9
40°	2026.1	2072.8	2098.7	2119.3	2098.7	2072.8	2026.1	1947.5	1829.5	1686.7	1573.7
37.5°	2849.1	2939.7	2987.5	3029.0	2987.5	2939.7	2849.1	2691.3	2460.2	2185.4	2006.4
35°	4274.7	4478.5	4587.7	4625.7	4587.7	4478.5	4274.7	3943.8	3500.8	3037.3	2710.6
32.5°	6561.6	6937.7	7145.6	7306.3	7145.6	6937.7	6561.6	5944.7	5151.9	4417.3	3804.7
30°	9391.8	9887.2	10162.3	10296.6	10162.3	9887.2	9391.8	8586.1	7568.7	6536.2	5424.2
27.5°	12293.1	12856.3	13152.9	13136.9	13152.9	12856.3	12293.1	11408.8	10342.0	9062.8	7623.7
25°	15166.4	15818.7	16114.2	16378.8	16114.2	15818.7	15166.4	14155.8	12977.0	11637.8	10090.3
22.5°	18072.4	18835.1	19251.3	19446.5	19251.3	18835.1	18072.4	16942.9	15666.9	14175.6	12524.7
20°	20943.8	21792.9	22234.7	22427.1	22234.7	21792.9	20943.8	19835.5	18397.3	16706.5	14888.7
17.5°	23490.5	24319.4	24740.5	24919.0	24740.5	24319.4	23490.5	22473.3	20970.7	19181.4	17119.2
15°	25523.9	26135.3	26493.4	26588.3	26493.4	26135.3	25523.9	24649.7	23237.1	21401.3	19257.2
12.5°	26929.6	27166.4	27338.6	27391.5	27338.6	27166.4	26929.6	26200.4	25100.7	23285.1	21103.1
10°	27648.2	27541.4	27497.2	27502.8	27497.2	27541.4	27648.2	27114.9	26177.8	24733.5	22707.7
7.5°	27598.8	27440.5	27122.8	27072.1	27122.8	27440.5	27598.8	27474.2	26821.8	25615.6	23747.7
5°	27202.3	26914.1	26386.7	26235.1	26386.7	26914.1	27202.3	27251.2	26923.7	26027.6	24413.2
2.5°	26740.1	26220.8	25734.8	25422.2	25734.8	26220.8	26740.1	26956.2	26899.7	26305.8	24936.1
0°	26602.8	26002.8	25373.8	25170.6	25373.8	26002.8	26602.8	26888.3	26898.0	26409.2	25151.2
-2.5°	26740.1	26220.8	25734.8	25422.2	25734.8	26220.8	26740.1	26956.2	26899.7	26305.8	24936.1
-5°	27202.3	26914.1	26386.7	26235.1	26386.7	26914.1	27202.3	27251.2	26923.7	26027.6	24413.2
-7.5°	27598.8	27440.5	27122.8	27072.1	27122.8	27440.5	27598.8	27474.2	26821.8	25615.6	23747.7
-10°	27648.2	27541.4	27497.2	27502.8	27497.2	27541.4	27648.2	27114.9	26177.8	24733.5	22707.7
-12.5°	26929.6	27166.4	27338.6	27391.5	27338.6	27166.4	26929.6	26200.4	25100.7	23285.1	21103.1
-15°	25523.9	26135.3	26493.4	26588.3	26493.4	26135.3	25523.9	24649.7	23237.1	21401.3	19257.2
-17.5°	23490.5	24319.4	24740.5	24919.0	24740.5	24319.4	23490.5	22473.3	20970.7	19181.4	17119.2
-20°	20943.8	21792.9	22234.7	22427.1	22234.7	21792.9	20943.8	19835.5	18397.3	16706.5	14888.7



REPORT NUMBER: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18072.4	18835.1	19251.3	19446.5	19251.3	18835.1	18072.4	16942.9	15666.9	14175.6	12524.7
-25°	15166.4	15818.7	16114.2	16378.8	16114.2	15818.7	15166.4	14155.8	12977.0	11637.8	10090.3
-27.5°	12293.1	12856.3	13152.9	13136.9	13152.9	12856.3	12293.1	11408.8	10342.0	9062.8	7623.7
-30°	9391.8	9887.2	10162.3	10296.6	10162.3	9887.2	9391.8	8586.1	7568.7	6536.2	5424.2
-32.5°	6561.6	6937.7	7145.6	7306.3	7145.6	6937.7	6561.6	5944.7	5151.9	4417.3	3804.7
-35°	4274.7	4478.5	4587.7	4625.7	4587.7	4478.5	4274.7	3943.8	3500.8	3037.3	2710.6
-37.5°	2849.1	2939.7	2987.5	3029.0	2987.5	2939.7	2849.1	2691.3	2460.2	2185.4	2006.4
-40°	2026.1	2072.8	2098.7	2119.3	2098.7	2072.8	2026.1	1947.5	1829.5	1686.7	1573.7
-42.5°	1557.6	1586.6	1600.2	1596.7	1600.2	1586.6	1557.6	1515.0	1454.5	1379.6	1305.9
-45°	1276.7	1289.6	1298.8	1306.4	1298.8	1289.6	1276.7	1255.0	1221.0	1178.3	1131.2
-47.5°	1094.6	1101.0	1105.4	1108.0	1105.4	1101.0	1094.6	1083.0	1064.7	1040.0	1010.6
-50°	973.1	974.3	974.2	972.6	974.2	974.3	973.1	968.9	960.7	947.6	931.8
-52.5°	895.0	893.7	892.4	890.3	892.4	893.7	895.0	894.3	891.0	883.6	874.3
-55°	838.8	836.5	834.5	832.2	834.5	836.5	838.8	839.5	838.3	833.2	826.7
-57.5°	794.1	792.7	791.0	788.7	791.0	792.7	794.1	794.1	792.7	789.1	784.2
-60°	752.5	753.1	752.2	750.0	752.2	753.1	752.5	750.1	745.9	741.1	735.5
-62.5°	699.5	703.3	703.6	701.6	703.6	703.3	699.5	694.2	687.3	681.3	674.7
-65°	632.7	636.0	638.0	638.7	638.0	636.0	632.7	628.2	622.7	616.5	608.8
-67.5°	566.5	568.4	568.1	566.1	568.1	568.4	566.5	563.4	559.5	553.4	544.3
-70°	492.6	491.7	492.9	493.5	492.9	491.7	492.6	492.2	490.5	485.9	477.9
-72.5°	419.3	419.2	418.2	416.1	418.2	419.2	419.3	418.3	416.4	413.1	408.0
-75°	347.1	346.8	345.6	343.5	345.6	346.8	347.1	346.6	345.4	343.1	338.6
-77.5°	271.8	269.9	270.7	271.0	270.7	269.9	271.8	273.0	273.2	272.1	267.3
-80°	202.3	202.3	200.6	198.4	200.6	202.3	202.3	201.7	200.6	198.8	195.4
-82.5°	138.7	139.6	137.7	135.5	137.7	139.6	138.7	137.5	136.1	134.3	132.0
-85°	77.7	77.0	74.9	72.6	74.9	77.0	77.7	78.2	78.6	78.6	76.1
-87.5°	25.2	24.1	24.2	24.2	24.2	24.1	25.2	26.2	27.1	28.0	26.5
-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: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-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°	25.0	23.5	21.9	22.5	23.0	23.5	23.8	23.0	22.2	21.4	20.5
85°	73.4	70.5	67.5	66.6	65.6	64.4	63.0	60.2	57.3	54.2	51.0
82.5°	129.3	126.1	122.6	120.2	117.5	114.4	110.9	105.5	100.1	94.6	89.2
80°	191.6	187.3	182.6	178.6	174.1	169.1	163.4	155.1	146.4	137.9	129.9
77.5°	261.8	255.6	248.9	242.0	234.8	227.2	218.8	208.3	197.8	186.8	175.7
75°	333.0	326.4	318.5	309.4	299.5	288.9	277.5	264.9	251.7	237.9	223.9
72.5°	402.0	395.0	386.9	377.2	365.9	353.3	339.4	324.0	307.7	290.7	274.1
70°	469.3	460.3	452.3	444.0	433.3	420.4	403.9	385.4	365.9	346.2	327.0
67.5°	534.1	522.7	514.8	507.2	497.6	485.7	468.6	448.6	426.7	403.9	381.1
65°	598.7	586.0	578.1	571.1	561.8	550.0	531.9	511.6	488.6	463.0	436.6
62.5°	666.2	655.8	647.1	636.9	625.9	612.7	594.5	573.2	550.0	523.2	492.5
60°	729.2	721.5	707.9	695.3	684.1	670.3	648.7	628.3	609.3	578.5	545.5
57.5°	778.2	769.2	756.6	743.5	730.0	712.2	693.0	673.6	651.6	625.7	595.0
55°	818.9	809.0	797.2	784.3	769.8	749.9	730.0	709.4	688.1	666.5	636.5
52.5°	863.7	852.8	838.9	821.8	805.0	785.6	763.3	741.3	721.5	699.3	674.8
50°	916.8	903.6	887.7	869.6	847.0	822.7	799.4	773.8	753.0	731.4	706.4
47.5°	988.3	966.4	942.8	921.4	893.7	864.3	837.4	811.0	786.4	763.1	737.6
45°	1095.8	1054.5	1010.0	980.4	945.2	911.7	877.1	847.5	819.2	793.0	769.0
42.5°	1250.0	1184.4	1123.7	1064.6	1008.2	967.1	924.1	887.2	853.1	822.0	793.9
40°	1472.8	1359.6	1276.1	1182.8	1107.1	1034.7	979.7	929.5	890.0	853.1	819.0
37.5°	1809.1	1621.9	1483.1	1337.7	1232.1	1131.4	1046.6	981.3	927.6	884.8	845.1
35°	2329.6	2037.6	1777.3	1571.5	1384.7	1252.1	1133.5	1042.1	973.4	917.4	871.1
32.5°	3143.1	2679.7	2207.1	1902.9	1614.5	1397.9	1245.5	1119.6	1022.4	955.8	900.1
30°	4408.1	3591.3	2896.0	2328.6	1933.0	1602.1	1370.1	1216.2	1091.8	994.6	929.4
27.5°	6244.4	4813.3	3840.5	2956.3	2317.8	1883.1	1550.8	1319.5	1164.9	1048.9	963.2
25°	8387.9	6674.7	5009.1	3813.2	2873.1	2200.9	1761.7	1464.3	1255.4	1105.6	992.8
22.5°	10647.1	8638.2	6641.8	4779.5	3561.8	2665.8	2034.1	1610.3	1340.8	1165.9	1035.9
20°	12888.6	10620.3	8345.9	6216.3	4400.4	3120.8	2330.4	1804.1	1460.0	1233.5	1076.8
17.5°	14948.6	12565.7	10073.8	7611.6	5433.2	3812.8	2705.9	2000.0	1564.0	1293.6	1112.2
15°	16899.5	14383.7	11755.1	9091.9	6537.2	4422.2	3025.8	2170.7	1672.2	1363.4	1158.4
12.5°	18666.3	16016.3	13250.5	10364.5	7517.3	5105.2	3452.7	2422.2	1805.1	1435.9	1202.1
10°	20208.5	17379.1	14432.1	11433.8	8464.5	5812.4	3856.1	2636.7	1920.3	1495.9	1237.7
7.5°	21316.1	18452.0	15370.9	12298.2	9235.1	6420.1	4199.2	2806.6	2010.7	1541.9	1265.2
5°	22130.5	19288.8	16153.6	13000.5	9807.0	6874.4	4455.3	2926.0	2075.3	1573.7	1284.3
2.5°	22689.1	19818.2	16677.4	13461.3	10139.0	7141.2	4618.5	2990.3	2105.9	1598.7	1294.9
0°	22848.0	19969.0	16809.4	13703.0	10190.2	7175.7	4683.8	3000.0	2104.8	1611.3	1296.8
-2.5°	22689.1	19818.2	16677.4	13461.3	10139.0	7141.2	4618.5	2990.3	2105.9	1598.7	1294.9
-5°	22130.5	19288.8	16153.6	13000.5	9807.0	6874.4	4455.3	2926.0	2075.3	1573.7	1284.3
-7.5°	21316.1	18452.0	15370.9	12298.2	9235.1	6420.1	4199.2	2806.6	2010.7	1541.9	1265.2
-10°	20208.5	17379.1	14432.1	11433.8	8464.5	5812.4	3856.1	2636.7	1920.3	1495.9	1237.7
-12.5°	18666.3	16016.3	13250.5	10364.5	7517.3	5105.2	3452.7	2422.2	1805.1	1435.9	1202.1
-15°	16899.5	14383.7	11755.1	9091.9	6537.2	4422.2	3025.8	2170.7	1672.2	1363.4	1158.4
-17.5°	14948.6	12565.7	10073.8	7611.6	5433.2	3812.8	2705.9	2000.0	1564.0	1293.6	1112.2
-20°	12888.6	10620.3	8345.9	6216.3	4400.4	3120.8	2330.4	1804.1	1460.0	1233.5	1076.8



REPORT NUMBER: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10647.1	8638.2	6641.8	4779.5	3561.8	2665.8	2034.1	1610.3	1340.8	1165.9	1035.9
-25°	8387.9	6674.7	5009.1	3813.2	2873.1	2200.9	1761.7	1464.3	1255.4	1105.6	992.8
-27.5°	6244.4	4813.3	3840.5	2956.3	2317.8	1883.1	1550.8	1319.5	1164.9	1048.9	963.2
-30°	4408.1	3591.3	2896.0	2328.6	1933.0	1602.1	1370.1	1216.2	1091.8	994.6	929.4
-32.5°	3143.1	2679.7	2207.1	1902.9	1614.5	1397.9	1245.5	1119.6	1022.4	955.8	900.1
-35°	2329.6	2037.6	1777.3	1571.5	1384.7	1252.1	1133.5	1042.1	973.4	917.4	871.1
-37.5°	1809.1	1621.9	1483.1	1337.7	1232.1	1131.4	1046.6	981.3	927.6	884.8	845.1
-40°	1472.8	1359.6	1276.1	1182.8	1107.1	1034.7	979.7	929.5	890.0	853.1	819.0
-42.5°	1250.0	1184.4	1123.7	1064.6	1008.2	967.1	924.1	887.2	853.1	822.0	793.9
-45°	1095.8	1054.5	1010.0	980.4	945.2	911.7	877.1	847.5	819.2	793.0	769.0
-47.5°	988.3	966.4	942.8	921.4	893.7	864.3	837.4	811.0	786.4	763.1	737.6
-50°	916.8	903.6	887.7	869.6	847.0	822.7	799.4	773.8	753.0	731.4	706.4
-52.5°	863.7	852.8	838.9	821.8	805.0	785.6	763.3	741.3	721.5	699.3	674.8
-55°	818.9	809.0	797.2	784.3	769.8	749.9	730.0	709.4	688.1	666.5	636.5
-57.5°	778.2	769.2	756.6	743.5	730.0	712.2	693.0	673.6	651.6	625.7	595.0
-60°	729.2	721.5	707.9	695.3	684.1	670.3	648.7	628.3	609.3	578.5	545.5
-62.5°	666.2	655.8	647.1	636.9	625.9	612.7	594.5	573.2	550.0	523.2	492.5
-65°	598.7	586.0	578.1	571.1	561.8	550.0	531.9	511.6	488.6	463.0	436.6
-67.5°	534.1	522.7	514.8	507.2	497.6	485.7	468.6	448.6	426.7	403.9	381.1
-70°	469.3	460.3	452.3	444.0	433.3	420.4	403.9	385.4	365.9	346.2	327.0
-72.5°	402.0	395.0	386.9	377.2	365.9	353.3	339.4	324.0	307.7	290.7	274.1
-75°	333.0	326.4	318.5	309.4	299.5	288.9	277.5	264.9	251.7	237.9	223.9
-77.5°	261.8	255.6	248.9	242.0	234.8	227.2	218.8	208.3	197.8	186.8	175.7
-80°	191.6	187.3	182.6	178.6	174.1	169.1	163.4	155.1	146.4	137.9	129.9
-82.5°	129.3	126.1	122.6	120.2	117.5	114.4	110.9	105.5	100.1	94.6	89.2
-85°	73.4	70.5	67.5	66.6	65.6	64.4	63.0	60.2	57.3	54.2	51.0
-87.5°	25.0	23.5	21.9	22.5	23.0	23.5	23.8	23.0	22.2	21.4	20.5
-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: P627427 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-722-U-MWR-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°	19.6	18.6	17.7	16.6	15.6	14.5	13.4	12.2	10.6	9.1	7.6
85°	47.7	44.2	40.5	36.8	32.8	29.0	26.8	24.5	21.2	18.2	15.2
82.5°	83.7	78.3	72.9	67.2	60.6	54.2	47.9	41.8	34.9	27.7	22.8
80°	122.6	115.0	107.1	98.8	89.3	79.3	70.5	62.0	53.7	44.9	35.6
77.5°	164.9	153.8	142.2	131.7	120.7	109.0	96.6	83.6	72.4	62.0	50.9
75°	210.1	196.6	182.7	168.4	153.7	138.7	124.5	109.6	94.6	79.4	66.2
72.5°	258.0	241.3	224.0	206.3	189.1	171.4	153.4	135.3	117.9	100.1	82.1
70°	307.3	286.8	266.6	246.6	225.7	203.9	183.3	162.1	140.8	120.6	100.1
67.5°	357.6	334.5	310.7	287.1	263.9	239.4	213.6	188.7	164.5	140.8	117.9
65°	410.4	383.2	355.3	328.5	301.8	275.1	246.8	215.9	187.7	161.2	135.3
62.5°	462.3	432.6	401.3	369.4	339.1	309.5	279.4	245.0	211.1	181.1	152.5
60°	512.7	479.4	445.7	410.4	375.9	342.8	309.4	273.4	236.4	200.5	169.2
57.5°	559.0	523.9	486.3	449.2	412.0	375.3	338.4	300.2	261.0	221.6	185.5
55°	602.3	564.2	524.9	484.8	445.7	406.6	366.6	325.9	284.6	242.5	201.5
52.5°	643.0	603.3	561.5	518.9	476.6	436.2	394.1	350.9	307.1	262.8	219.0
50°	678.6	641.2	597.1	552.1	506.3	463.6	420.7	375.1	328.9	282.2	236.1
47.5°	708.5	674.2	631.5	584.1	536.0	490.4	445.6	398.4	349.8	300.8	252.6
45°	737.7	704.6	663.3	615.0	565.3	517.1	469.6	420.9	370.0	318.8	268.2
42.5°	765.1	732.1	693.5	644.6	593.3	542.8	492.9	442.1	389.3	335.9	283.2
40°	788.5	756.1	721.9	673.1	619.8	567.1	515.1	462.5	407.8	352.2	297.3
37.5°	811.2	778.0	742.8	700.0	644.5	589.8	535.9	482.1	425.6	367.9	310.6
35°	833.2	798.9	761.5	720.9	667.6	611.0	555.3	500.4	442.3	383.0	323.0
32.5°	852.8	817.6	778.8	737.7	688.9	630.6	573.3	516.5	457.7	397.2	334.5
30°	876.3	833.3	794.4	754.3	707.1	648.6	589.9	531.5	472.0	410.6	345.4
27.5°	898.7	848.4	808.3	768.1	721.3	664.9	605.3	545.4	485.1	422.8	356.1
25°	920.3	865.7	821.2	779.7	735.0	680.5	619.4	558.1	496.6	433.5	366.0
22.5°	945.2	881.5	833.3	789.7	748.0	694.6	632.2	569.6	506.8	443.0	375.1
20°	967.4	894.6	844.4	799.1	757.8	705.2	643.6	579.9	516.0	451.4	383.3
17.5°	989.0	909.4	855.3	808.2	765.2	714.5	653.7	588.9	524.0	458.8	390.5
15°	1019.1	926.3	864.8	816.0	771.4	722.5	662.3	596.6	530.8	465.0	397.1
12.5°	1044.8	940.5	872.6	822.3	776.4	729.0	669.4	602.9	536.5	470.5	402.9
10°	1065.7	951.9	878.7	827.2	780.3	734.2	675.0	608.3	541.8	475.3	407.6
7.5°	1081.6	960.3	883.0	830.7	783.0	738.0	680.2	613.1	546.1	479.1	411.3
5°	1092.4	965.8	886.7	832.7	784.5	740.2	684.0	616.5	549.2	481.7	414.0
2.5°	1098.0	968.3	889.4	833.2	784.8	741.0	686.3	618.6	551.0	483.4	415.6
0°	1098.4	967.7	890.3	832.2	783.9	740.3	687.1	619.3	551.6	483.9	416.1
-2.5°	1098.0	968.3	889.4	833.2	784.8	741.0	686.3	618.6	551.0	483.4	415.6
-5°	1092.4	965.8	886.7	832.7	784.5	740.2	684.0	616.5	549.2	481.7	414.0
-7.5°	1081.6	960.3	883.0	830.7	783.0	738.0	680.2	613.1	546.1	479.1	411.3
-10°	1065.7	951.9	878.7	827.2	780.3	734.2	675.0	608.3	541.8	475.3	407.6
-12.5°	1044.8	940.5	872.6	822.3	776.4	729.0	669.4	602.9	536.5	470.5	402.9
-15°	1019.1	926.3	864.8	816.0	771.4	722.5	662.3	596.6	530.8	465.0	397.1
-17.5°	989.0	909.4	855.3	808.2	765.2	714.5	653.7	588.9	524.0	458.8	390.5
-20°	967.4	894.6	844.4	799.1	757.8	705.2	643.6	579.9	516.0	451.4	383.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	945.2	881.5	833.3	789.7	748.0	694.6	632.2	569.6	506.8	443.0	375.1
-25°	920.3	865.7	821.2	779.7	735.0	680.5	619.4	558.1	496.6	433.5	366.0
-27.5°	898.7	848.4	808.3	768.1	721.3	664.9	605.3	545.4	485.1	422.8	356.1
-30°	876.3	833.3	794.4	754.3	707.1	648.6	589.9	531.5	472.0	410.6	345.4
-32.5°	852.8	817.6	778.8	737.7	688.9	630.6	573.3	516.5	457.7	397.2	334.5
-35°	833.2	798.9	761.5	720.9	667.6	611.0	555.3	500.4	442.3	383.0	323.0
-37.5°	811.2	778.0	742.8	700.0	644.5	589.8	535.9	482.1	425.6	367.9	310.6
-40°	788.5	756.1	721.9	673.1	619.8	567.1	515.1	462.5	407.8	352.2	297.3
-42.5°	765.1	732.1	693.5	644.6	593.3	542.8	492.9	442.1	389.3	335.9	283.2
-45°	737.7	704.6	663.3	615.0	565.3	517.1	469.6	420.9	370.0	318.8	268.2
-47.5°	708.5	674.2	631.5	584.1	536.0	490.4	445.6	398.4	349.8	300.8	252.6
-50°	678.6	641.2	597.1	552.1	506.3	463.6	420.7	375.1	328.9	282.2	236.1
-52.5°	643.0	603.3	561.5	518.9	476.6	436.2	394.1	350.9	307.1	262.8	219.0
-55°	602.3	564.2	524.9	484.8	445.7	406.6	366.6	325.9	284.6	242.5	201.5
-57.5°	559.0	523.9	486.3	449.2	412.0	375.3	338.4	300.2	261.0	221.6	185.5
-60°	512.7	479.4	445.7	410.4	375.9	342.8	309.4	273.4	236.4	200.5	169.2
-62.5°	462.3	432.6	401.3	369.4	339.1	309.5	279.4	245.0	211.1	181.1	152.5
-65°	410.4	383.2	355.3	328.5	301.8	275.1	246.8	215.9	187.7	161.2	135.3
-67.5°	357.6	334.5	310.7	287.1	263.9	239.4	213.6	188.7	164.5	140.8	117.9
-70°	307.3	286.8	266.6	246.6	225.7	203.9	183.3	162.1	140.8	120.6	100.1
-72.5°	258.0	241.3	224.0	206.3	189.1	171.4	153.4	135.3	117.9	100.1	82.1
-75°	210.1	196.6	182.7	168.4	153.7	138.7	124.5	109.6	94.6	79.4	66.2
-77.5°	164.9	153.8	142.2	131.7	120.7	109.0	96.6	83.6	72.4	62.0	50.9
-80°	122.6	115.0	107.1	98.8	89.3	79.3	70.5	62.0	53.7	44.9	35.6
-82.5°	83.7	78.3	72.9	67.2	60.6	54.2	47.9	41.8	34.9	27.7	22.8
-85°	47.7	44.2	40.5	36.8	32.8	29.0	26.8	24.5	21.2	18.2	15.2
-87.5°	19.6	18.6	17.7	16.6	15.6	14.5	13.4	12.2	10.6	9.1	7.6
-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):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
85°	12.5	10.5	8.4	6.3	4.2	2.1	0.0
82.5°	18.7	15.7	12.6	9.4	6.3	3.2	0.0
80°	25.8	20.9	16.7	12.6	8.4	4.2	0.0
77.5°	39.3	28.1	20.9	15.7	10.5	5.2	0.0
75°	52.7	39.3	25.8	18.7	12.5	6.3	0.0
72.5°	66.0	50.4	34.7	21.8	14.5	7.3	0.0
70°	79.4	61.3	43.5	25.4	16.5	8.3	0.0
67.5°	94.5	72.1	52.1	31.9	18.5	9.3	0.0
65°	109.3	83.5	60.6	38.3	20.4	10.2	0.0
62.5°	123.7	95.4	68.9	44.5	22.3	11.2	0.0
60°	137.8	106.9	77.0	50.6	24.2	12.1	0.0
57.5°	151.8	118.2	85.9	56.6	28.1	13.0	0.0
55°	165.7	129.1	94.5	62.4	31.9	13.9	0.0
52.5°	179.1	139.8	102.8	68.0	35.5	14.7	0.0
50°	192.3	150.7	110.9	73.4	39.0	15.6	0.0
47.5°	205.2	161.4	118.6	78.8	42.4	16.3	0.0
45°	218.6	171.7	125.9	84.3	45.6	17.1	0.0
42.5°	231.4	181.6	133.0	89.5	48.7	17.8	0.0
40°	243.4	191.1	140.1	94.4	51.6	18.5	0.0
37.5°	254.9	200.2	147.3	98.9	54.3	19.2	0.0
35°	265.6	209.1	154.1	103.2	56.8	19.8	0.0
32.5°	275.5	217.4	160.6	107.2	59.2	20.4	0.0
30°	284.8	225.2	166.6	110.8	61.4	21.0	0.0
27.5°	293.2	232.4	172.0	114.2	63.4	21.5	0.0
25°	300.9	238.9	176.9	117.3	65.2	21.9	0.0
22.5°	307.8	244.7	181.3	120.1	66.8	22.4	0.0
20°	313.9	249.6	185.2	122.6	68.2	22.7	0.0
17.5°	319.4	253.9	188.7	124.7	69.4	23.1	0.0
15°	324.3	257.6	191.6	126.5	70.5	23.4	0.0
12.5°	328.6	260.6	194.0	128.0	71.3	23.6	0.0
10°	332.2	263.0	195.9	129.2	71.9	23.8	0.0
7.5°	335.0	264.8	197.3	130.1	72.4	24.0	0.0
5°	337.0	265.9	198.2	130.6	72.6	24.1	0.0
2.5°	338.3	266.3	198.6	130.8	72.7	24.2	0.0
0°	338.7	266.1	198.4	130.6	72.6	24.2	0.0
-2.5°	338.3	266.3	198.6	130.8	72.7	24.2	0.0
-5°	337.0	265.9	198.2	130.6	72.6	24.1	0.0
-7.5°	335.0	264.8	197.3	130.1	72.4	24.0	0.0
-10°	332.2	263.0	195.9	129.2	71.9	23.8	0.0
-12.5°	328.6	260.6	194.0	128.0	71.3	23.6	0.0
-15°	324.3	257.6	191.6	126.5	70.5	23.4	0.0
-17.5°	319.4	253.9	188.7	124.7	69.4	23.1	0.0
-20°	313.9	249.6	185.2	122.6	68.2	22.7	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	307.8	244.7	181.3	120.1	66.8	22.4	0.0
-25°	300.9	238.9	176.9	117.3	65.2	21.9	0.0
-27.5°	293.2	232.4	172.0	114.2	63.4	21.5	0.0
-30°	284.8	225.2	166.6	110.8	61.4	21.0	0.0
-32.5°	275.5	217.4	160.6	107.2	59.2	20.4	0.0
-35°	265.6	209.1	154.1	103.2	56.8	19.8	0.0
-37.5°	254.9	200.2	147.3	98.9	54.3	19.2	0.0
-40°	243.4	191.1	140.1	94.4	51.6	18.5	0.0
-42.5°	231.4	181.6	133.0	89.5	48.7	17.8	0.0
-45°	218.6	171.7	125.9	84.3	45.6	17.1	0.0
-47.5°	205.2	161.4	118.6	78.8	42.4	16.3	0.0
-50°	192.3	150.7	110.9	73.4	39.0	15.6	0.0
-52.5°	179.1	139.8	102.8	68.0	35.5	14.7	0.0
-55°	165.7	129.1	94.5	62.4	31.9	13.9	0.0
-57.5°	151.8	118.2	85.9	56.6	28.1	13.0	0.0
-60°	137.8	106.9	77.0	50.6	24.2	12.1	0.0
-62.5°	123.7	95.4	68.9	44.5	22.3	11.2	0.0
-65°	109.3	83.5	60.6	38.3	20.4	10.2	0.0
-67.5°	94.5	72.1	52.1	31.9	18.5	9.3	0.0
-70°	79.4	61.3	43.5	25.4	16.5	8.3	0.0
-72.5°	66.0	50.4	34.7	21.8	14.5	7.3	0.0
-75°	52.7	39.3	25.8	18.7	12.5	6.3	0.0
-77.5°	39.3	28.1	20.9	15.7	10.5	5.2	0.0
-80°	25.8	20.9	16.7	12.6	8.4	4.2	0.0
-82.5°	18.7	15.7	12.6	9.4	6.3	3.2	0.0
-85°	12.5	10.5	8.4	6.3	4.2	2.1	0.0
-87.5°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)