

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: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-730-U-WR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5D-730-U-WR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, WIDE SYMMETRICAL ROUND N118  
Light Source: (80) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

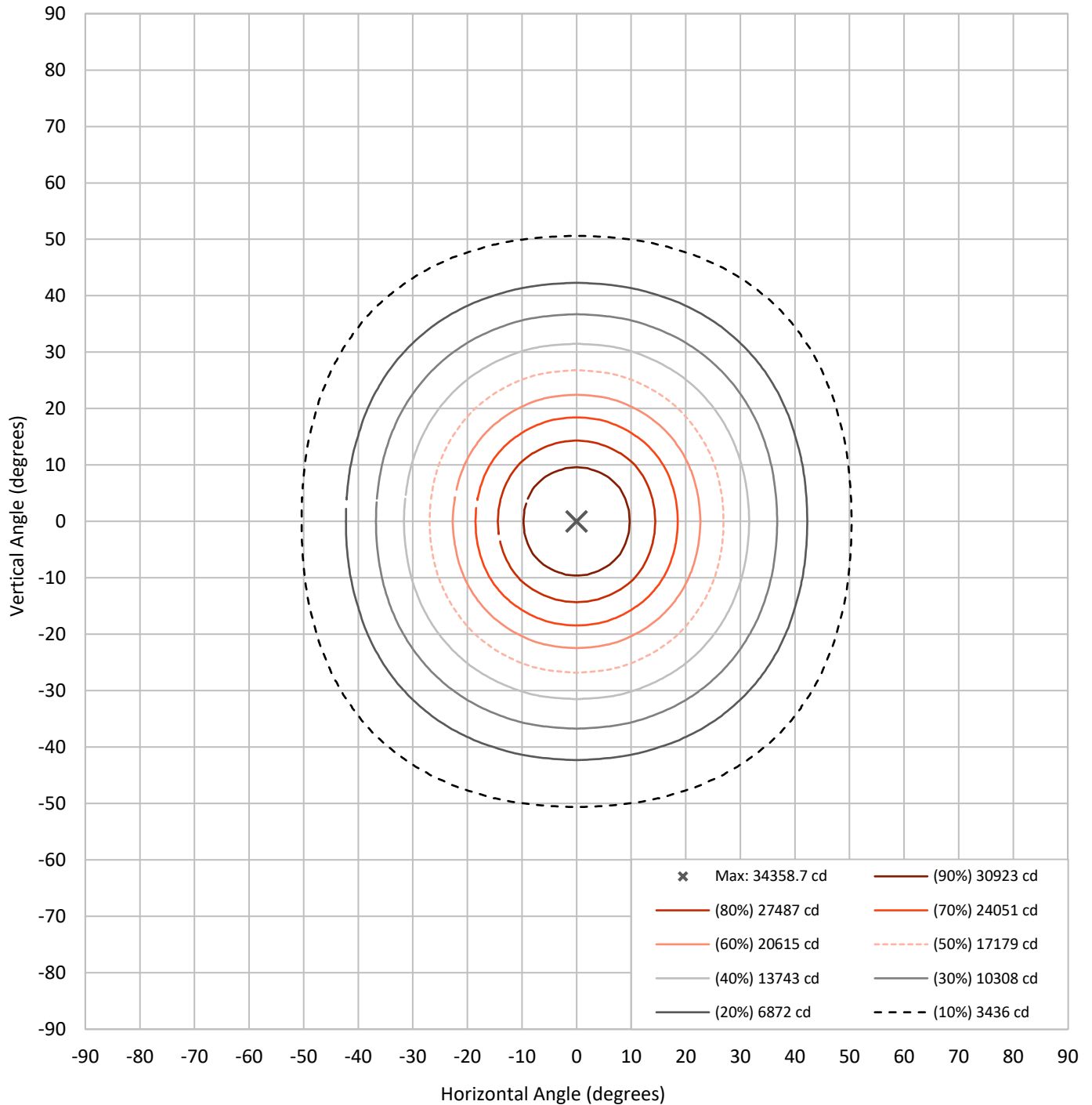
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	34969.1 lumens	Max Intensity:	34358.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	16720.1 lumens	Field Lumens:	30861.5 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	271.3		
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





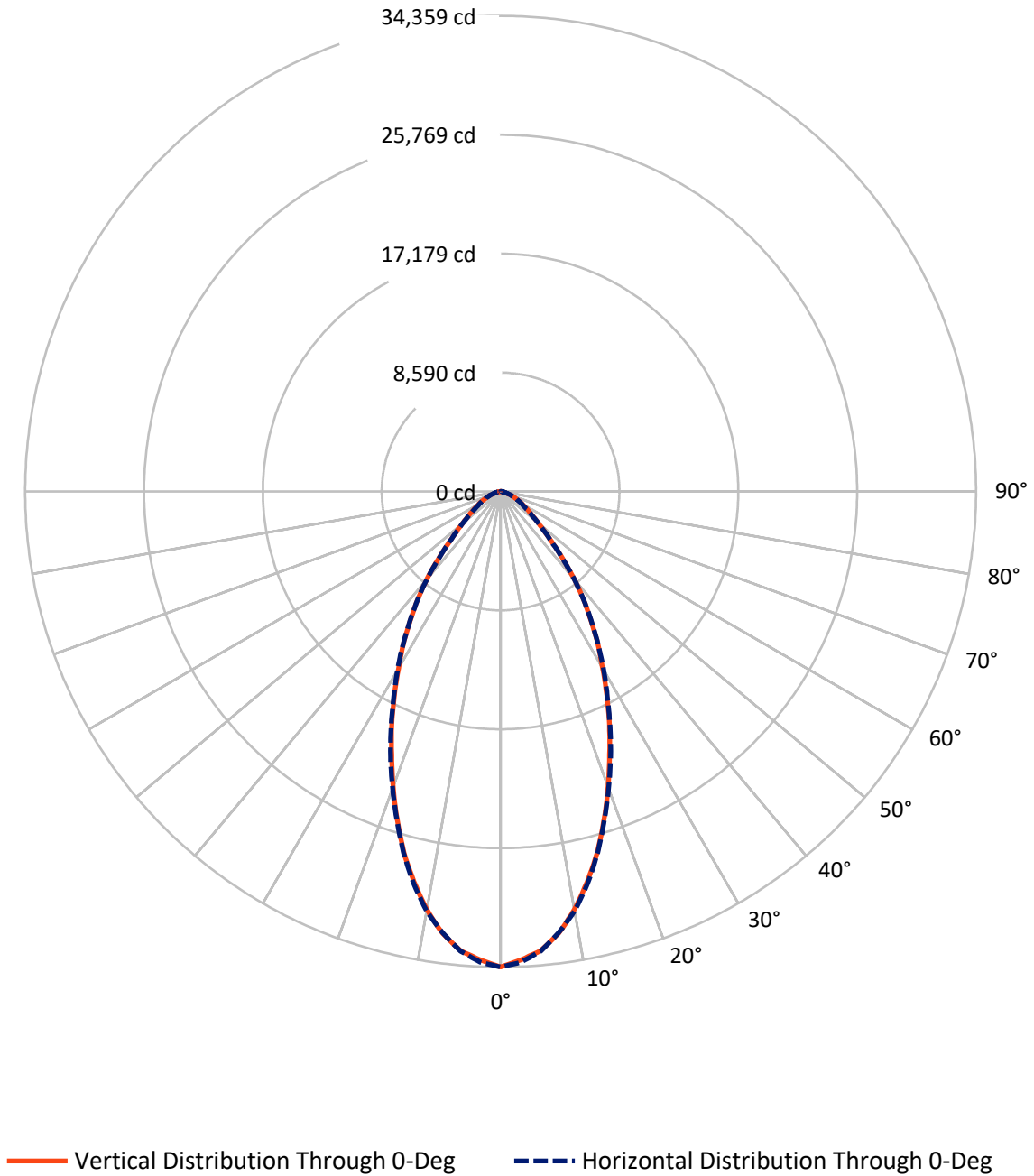
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### Lumen Table

90																
80	1.3	9.6		22.0		36.6		31.3		36.6		22.0		9.6		1.3
70																
60	4.5	5.3	10.0	16.1	23.3	30.3	35.5	38.0	38.0	35.5	30.3	23.3	16.1	10.0	5.3	4.5
50		7.5	15.2	26.3	40.3	55.4	69.1	77.0	77.0	69.1	55.4	40.3	26.3	15.2	7.5	
40	6.7	9.6	20.9	39.2	66.0	101.5	139.9	165.6	165.6	139.9	101.5	66.0	39.2	20.9	9.6	6.7
30		11.7	27.5	56.9	110.8	196.8	285.9	339.2	339.2	285.9	196.8	110.8	56.9	27.5	11.7	
20	7.9	13.7	34.2	79.7	179.2	322.1	460.9	550.9	550.9	460.9	322.1	179.2	79.7	34.2	13.7	7.9
10		15.2	40.1	103.4	244.5	434.9	642.1	789.9	789.9	642.1	434.9	244.5	103.4	40.1	15.2	
0	8.3	16.0	43.5	118.7	281.5	505.6	769.4	967.6	967.6	769.4	505.6	281.5	118.7	43.5	16.0	8.3
-10		16.0	43.5	118.7	281.5	505.6	769.4	967.6	967.6	769.4	505.6	281.5	118.7	43.5	16.0	
-20	7.9	15.2	40.1	103.4	244.5	434.9	642.1	789.9	789.9	642.1	434.9	244.5	103.4	40.1	15.2	7.9
-30		13.7	34.2	79.7	179.2	322.1	460.9	550.9	550.9	460.9	322.1	179.2	79.7	34.2	13.7	
-40	6.7	11.7	27.5	56.9	110.8	196.8	285.9	339.2	339.2	285.9	196.8	110.8	56.9	27.5	11.7	6.7
-50		9.6	20.9	39.2	66.0	101.5	139.9	165.6	165.6	139.9	101.5	66.0	39.2	20.9	9.6	
-60	4.5	7.5	15.2	26.3	40.3	55.4	69.1	77.0	77.0	69.1	55.4	40.3	26.3	15.2	7.5	4.5
-70		5.3	10.0	16.1	23.3	30.3	35.5	38.0	38.0	35.5	30.3	23.3	16.1	10.0	5.3	
-80																
-90	1.3	9.6		22.0		36.6		31.3		36.6		22.0		9.6		1.3
Horizontal Angle (degrees)																

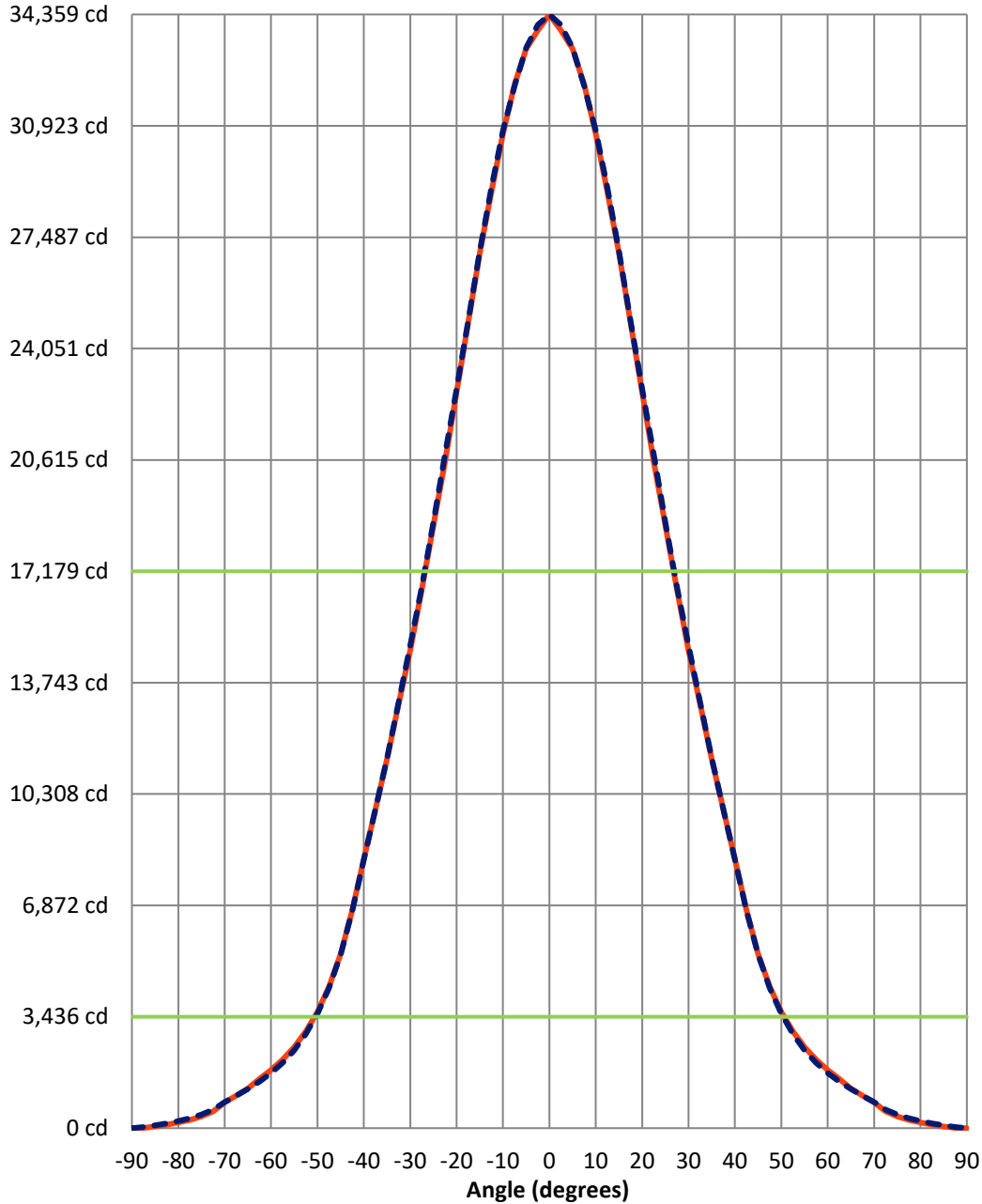
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 53.8°  
V Angle: 53.6°  
Lumens: 16720.1  
Efficiency: 47.8%

**Field:**  
H Angle: 100.8°  
V Angle: 101.2°  
Lumens: 30861.5  
Efficiency: 88.3%

**Spill:**  
Lumens: 4107.6  
Efficiency: 11.7%

- 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	1.7	4.0	6.6	9.5	12.7	16.3	18.1	19.5	20.7	21.6
85°	0.0	3.5	8.0	13.1	18.9	25.4	32.6	36.1	39.0	41.4	43.1
82.5°	0.0	5.2	12.0	19.6	28.3	38.0	48.7	54.2	59.8	69.3	77.7
80°	0.0	6.9	15.9	26.1	37.6	50.4	66.2	82.3	96.2	108.7	119.8
77.5°	0.0	8.6	19.8	32.4	46.7	65.6	94.5	115.3	132.7	148.2	163.7
75°	0.0	10.3	23.6	38.7	56.6	85.8	122.0	148.2	169.1	190.2	212.8
72.5°	0.0	12.0	27.4	44.8	70.1	105.4	148.6	180.6	205.6	232.5	261.2
70°	0.0	13.6	31.0	51.2	83.1	124.2	173.9	211.1	241.5	274.2	312.6
67.5°	0.0	15.1	34.5	59.1	95.6	142.1	195.8	240.9	276.7	317.2	363.3
65°	0.0	16.7	38.0	66.8	107.5	158.6	216.7	270.1	311.5	358.7	411.3
62.5°	0.0	18.2	41.3	74.0	118.7	173.7	236.3	297.8	344.8	398.5	456.0
60°	0.0	19.6	44.4	80.8	129.1	187.9	254.8	324.1	376.5	437.0	499.3
57.5°	0.0	21.0	48.3	87.1	138.9	201.1	271.4	347.7	408.7	474.2	539.2
55°	0.0	22.3	52.0	93.0	147.9	213.2	286.8	366.5	440.2	509.8	577.4
52.5°	0.0	23.6	55.6	98.4	156.2	224.3	300.8	387.0	470.4	543.8	614.8
50°	0.0	24.8	59.0	103.2	163.7	234.5	313.6	406.3	499.5	577.0	655.7
47.5°	0.0	26.0	62.3	107.6	170.5	243.7	325.4	423.8	528.3	609.2	695.9
45°	0.0	27.1	65.4	112.0	176.4	251.9	338.8	439.6	548.9	644.1	734.8
42.5°	0.0	28.1	68.3	115.9	181.5	259.0	350.7	455.0	567.8	677.7	775.1
40°	0.0	29.0	71.0	120.1	186.1	265.0	361.1	470.0	586.5	708.9	814.0
37.5°	0.0	29.9	73.6	124.5	190.3	269.9	370.0	483.6	606.9	733.6	850.9
35°	0.0	30.7	75.9	128.4	193.6	275.4	377.4	495.7	626.5	760.7	888.7
32.5°	0.0	31.4	78.1	132.1	196.2	280.6	384.2	506.3	645.2	788.2	927.4
30°	0.0	32.1	80.0	135.3	197.9	284.7	391.7	516.5	662.9	816.0	963.8
27.5°	0.0	32.6	81.8	138.2	202.2	287.6	397.9	529.3	681.3	843.9	997.9
25°	0.0	33.1	83.4	140.7	206.2	289.3	402.7	540.8	701.8	871.2	1029.8
22.5°	0.0	33.6	84.7	142.9	209.8	291.6	406.1	550.9	721.5	896.3	1064.7
20°	0.0	33.9	85.8	144.7	212.9	296.9	408.0	559.4	740.0	918.9	1095.9
17.5°	0.0	34.2	86.8	146.1	215.5	301.2	412.6	566.3	757.0	938.8	1123.3
15°	0.0	34.4	87.5	147.1	217.6	304.6	418.1	572.8	772.3	955.9	1146.9
12.5°	0.0	34.5	88.0	147.8	219.1	307.1	422.1	578.7	785.3	970.2	1166.5
10°	0.0	34.5	88.3	148.1	220.1	308.7	424.6	581.9	795.4	982.2	1182.4
7.5°	0.0	34.5	88.4	148.0	220.6	309.4	425.6	582.6	802.5	991.4	1194.8
5°	0.0	34.4	88.3	147.6	220.5	309.1	425.2	580.9	806.3	997.7	1203.0
2.5°	0.0	34.2	87.9	146.8	219.8	308.0	423.3	576.9	806.8	1000.8	1207.1
0°	0.0	34.0	87.4	145.7	218.6	306.0	420.1	570.7	803.8	1000.5	1206.9
-2.5°	0.0	34.2	87.9	146.8	219.8	308.0	423.3	576.9	806.8	1000.8	1207.1
-5°	0.0	34.4	88.3	147.6	220.5	309.1	425.2	580.9	806.3	997.7	1203.0
-7.5°	0.0	34.5	88.4	148.0	220.6	309.4	425.6	582.6	802.5	991.4	1194.8
-10°	0.0	34.5	88.3	148.1	220.1	308.7	424.6	581.9	795.4	982.2	1182.4
-12.5°	0.0	34.5	88.0	147.8	219.1	307.1	422.1	578.7	785.3	970.2	1166.5
-15°	0.0	34.4	87.5	147.1	217.6	304.6	418.1	572.8	772.3	955.9	1146.9
-17.5°	0.0	34.2	86.8	146.1	215.5	301.2	412.6	566.3	757.0	938.8	1123.3
-20°	0.0	33.9	85.8	144.7	212.9	296.9	408.0	559.4	740.0	918.9	1095.9

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA5D-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	33.6	84.7	142.9	209.8	291.6	406.1	550.9	721.5	896.3	1064.7
-25°	0.0	33.1	83.4	140.7	206.2	289.3	402.7	540.8	701.8	871.2	1029.8
-27.5°	0.0	32.6	81.8	138.2	202.2	287.6	397.9	529.3	681.3	843.9	997.9
-30°	0.0	32.1	80.0	135.3	197.9	284.7	391.7	516.5	662.9	816.0	963.8
-32.5°	0.0	31.4	78.1	132.1	196.2	280.6	384.2	506.3	645.2	788.2	927.4
-35°	0.0	30.7	75.9	128.4	193.6	275.4	377.4	495.7	626.5	760.7	888.7
-37.5°	0.0	29.9	73.6	124.5	190.3	269.9	370.0	483.6	606.9	733.6	850.9
-40°	0.0	29.0	71.0	120.1	186.1	265.0	361.1	470.0	586.5	708.9	814.0
-42.5°	0.0	28.1	68.3	115.9	181.5	259.0	350.7	455.0	567.8	677.7	775.1
-45°	0.0	27.1	65.4	112.0	176.4	251.9	338.8	439.6	548.9	644.1	734.8
-47.5°	0.0	26.0	62.3	107.6	170.5	243.7	325.4	423.8	528.3	609.2	695.9
-50°	0.0	24.8	59.0	103.2	163.7	234.5	313.6	406.3	499.5	577.0	655.7
-52.5°	0.0	23.6	55.6	98.4	156.2	224.3	300.8	387.0	470.4	543.8	614.8
-55°	0.0	22.3	52.0	93.0	147.9	213.2	286.8	366.5	440.2	509.8	577.4
-57.5°	0.0	21.0	48.3	87.1	138.9	201.1	271.4	347.7	408.7	474.2	539.2
-60°	0.0	19.6	44.4	80.8	129.1	187.9	254.8	324.1	376.5	437.0	499.3
-62.5°	0.0	18.2	41.3	74.0	118.7	173.7	236.3	297.8	344.8	398.5	456.0
-65°	0.0	16.7	38.0	66.8	107.5	158.6	216.7	270.1	311.5	358.7	411.3
-67.5°	0.0	15.1	34.5	59.1	95.6	142.1	195.8	240.9	276.7	317.2	363.3
-70°	0.0	13.6	31.0	51.2	83.1	124.2	173.9	211.1	241.5	274.2	312.6
-72.5°	0.0	12.0	27.4	44.8	70.1	105.4	148.6	180.6	205.6	232.5	261.2
-75°	0.0	10.3	23.6	38.7	56.6	85.8	122.0	148.2	169.1	190.2	212.8
-77.5°	0.0	8.6	19.8	32.4	46.7	65.6	94.5	115.3	132.7	148.2	163.7
-80°	0.0	6.9	15.9	26.1	37.6	50.4	66.2	82.3	96.2	108.7	119.8
-82.5°	0.0	5.2	12.0	19.6	28.3	38.0	48.7	54.2	59.8	69.3	77.7
-85°	0.0	3.5	8.0	13.1	18.9	25.4	32.6	36.1	39.0	41.4	43.1
-87.5°	0.0	1.7	4.0	6.6	9.5	12.7	16.3	18.1	19.5	20.7	21.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.9	21.9	21.5	20.9	20.0	18.8	17.3	15.5	16.1	16.8	17.4
85°	43.8	43.8	47.4	50.8	52.3	52.6	51.5	49.3	55.7	63.0	70.8
82.5°	85.5	92.9	99.9	106.5	107.2	105.5	102.2	98.4	111.4	127.1	143.6
80°	131.1	142.0	154.6	166.4	169.1	167.9	164.3	158.3	175.4	199.7	225.8
77.5°	181.9	199.2	215.4	230.3	234.6	234.0	231.2	226.4	248.2	281.7	316.6
75°	235.5	256.5	277.3	295.6	303.5	304.1	303.2	308.3	337.0	376.3	410.9
72.5°	291.3	318.1	341.6	361.8	374.3	383.9	396.7	412.3	441.2	479.8	513.7
70°	350.4	380.1	404.9	427.2	446.5	467.4	494.4	521.0	551.5	590.0	625.3
67.5°	408.7	438.8	466.8	494.2	529.4	563.0	596.4	631.2	669.7	710.1	745.8
65°	462.7	496.7	530.9	570.8	616.5	654.5	695.8	741.1	791.5	836.9	878.4
62.5°	514.5	553.0	595.2	643.4	692.8	740.5	795.9	854.1	912.9	970.0	1026.6
60°	558.4	606.2	657.4	711.9	768.9	833.8	898.7	968.0	1038.3	1107.0	1177.1
57.5°	600.5	659.6	718.6	782.0	853.2	927.4	1005.3	1083.3	1167.4	1250.6	1330.0
55°	644.2	713.8	781.0	856.2	937.7	1024.9	1112.8	1207.4	1300.3	1405.0	1501.5
52.5°	690.9	766.6	845.6	931.6	1026.8	1125.1	1228.3	1336.7	1452.3	1568.7	1686.7
50°	736.4	821.8	909.7	1012.6	1119.0	1231.4	1350.5	1476.8	1611.4	1746.1	1889.0
47.5°	783.9	875.1	982.5	1094.3	1216.2	1344.1	1479.0	1629.1	1778.8	1948.4	2112.2
45°	830.9	935.7	1052.2	1182.2	1316.0	1460.0	1620.4	1785.3	1976.3	2167.9	2383.2
42.5°	876.0	996.9	1128.4	1267.2	1419.5	1585.0	1762.5	1970.0	2185.3	2422.5	2675.1
40°	927.8	1055.3	1203.5	1358.7	1523.7	1712.8	1926.4	2156.8	2419.5	2700.4	2987.4
37.5°	978.0	1121.3	1277.5	1445.8	1637.4	1850.4	2086.3	2368.6	2671.7	2991.1	3381.5
35°	1025.1	1184.0	1353.8	1538.1	1745.6	1992.5	2274.6	2586.5	2935.9	3347.7	3803.3
32.5°	1075.1	1243.5	1425.7	1632.6	1867.5	2137.2	2457.6	2824.7	3238.1	3707.2	4277.2
30°	1125.5	1304.6	1497.2	1721.1	1982.4	2294.5	2658.5	3064.3	3539.9	4128.2	4797.4
27.5°	1172.2	1361.8	1572.8	1814.8	2094.1	2439.5	2851.6	3327.4	3887.6	4552.4	5334.1
25°	1215.0	1413.8	1642.2	1904.1	2217.3	2596.1	3042.9	3569.8	4235.5	5028.3	5989.9
22.5°	1255.8	1461.2	1704.9	1984.4	2328.3	2747.7	3250.6	3853.4	4589.4	5479.1	6632.3
20°	1294.1	1512.5	1767.2	2061.2	2427.4	2884.5	3441.5	4118.3	4955.7	6009.0	7262.2
17.5°	1327.8	1557.7	1826.2	2144.3	2538.1	3023.7	3621.6	4352.1	5281.8	6482.2	7843.6
15°	1356.7	1596.7	1877.2	2216.2	2637.6	3161.9	3810.6	4608.5	5622.0	6912.6	8354.0
12.5°	1380.8	1629.3	1920.1	2276.7	2721.3	3278.8	3972.0	4837.0	5953.3	7317.9	8802.0
10°	1400.0	1655.5	1954.6	2325.6	2788.8	3373.7	4105.0	5023.9	6229.0	7665.4	9181.1
7.5°	1416.0	1675.9	1981.1	2362.6	2839.8	3446.2	4208.5	5168.1	6444.5	7940.5	9472.0
5°	1427.5	1690.6	2001.2	2388.5	2877.2	3496.8	4280.9	5268.9	6597.7	8139.8	9670.9
2.5°	1433.9	1698.6	2012.7	2402.4	2900.2	3525.4	4318.9	5332.3	6682.0	8253.6	9791.1
0°	1435.2	1699.8	2015.5	2404.1	2906.7	3530.8	4324.9	5352.1	6699.8	8283.1	9834.8
-2.5°	1433.9	1698.6	2012.7	2402.4	2900.2	3525.4	4318.9	5332.3	6682.0	8253.6	9791.1
-5°	1427.5	1690.6	2001.2	2388.5	2877.2	3496.8	4280.9	5268.9	6597.7	8139.8	9670.9
-7.5°	1416.0	1675.9	1981.1	2362.6	2839.8	3446.2	4208.5	5168.1	6444.5	7940.5	9472.0
-10°	1400.0	1655.5	1954.6	2325.6	2788.8	3373.7	4105.0	5023.9	6229.0	7665.4	9181.1
-12.5°	1380.8	1629.3	1920.1	2276.7	2721.3	3278.8	3972.0	4837.0	5953.3	7317.9	8802.0
-15°	1356.7	1596.7	1877.2	2216.2	2637.6	3161.9	3810.6	4608.5	5622.0	6912.6	8354.0
-17.5°	1327.8	1557.7	1826.2	2144.3	2538.1	3023.7	3621.6	4352.1	5281.8	6482.2	7843.6
-20°	1294.1	1512.5	1767.2	2061.2	2427.4	2884.5	3441.5	4118.3	4955.7	6009.0	7262.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1255.8	1461.2	1704.9	1984.4	2328.3	2747.7	3250.6	3853.4	4589.4	5479.1	6632.3
-25°	1215.0	1413.8	1642.2	1904.1	2217.3	2596.1	3042.9	3569.8	4235.5	5028.3	5989.9
-27.5°	1172.2	1361.8	1572.8	1814.8	2094.1	2439.5	2851.6	3327.4	3887.6	4552.4	5334.1
-30°	1125.5	1304.6	1497.2	1721.1	1982.4	2294.5	2658.5	3064.3	3539.9	4128.2	4797.4
-32.5°	1075.1	1243.5	1425.7	1632.6	1867.5	2137.2	2457.6	2824.7	3238.1	3707.2	4277.2
-35°	1025.1	1184.0	1353.8	1538.1	1745.6	1992.5	2274.6	2586.5	2935.9	3347.7	3803.3
-37.5°	978.0	1121.3	1277.5	1445.8	1637.4	1850.4	2086.3	2368.6	2671.7	2991.1	3381.5
-40°	927.8	1055.3	1203.5	1358.7	1523.7	1712.8	1926.4	2156.8	2419.5	2700.4	2987.4
-42.5°	876.0	996.9	1128.4	1267.2	1419.5	1585.0	1762.5	1970.0	2185.3	2422.5	2675.1
-45°	830.9	935.7	1052.2	1182.2	1316.0	1460.0	1620.4	1785.3	1976.3	2167.9	2383.2
-47.5°	783.9	875.1	982.5	1094.3	1216.2	1344.1	1479.0	1629.1	1778.8	1948.4	2112.2
-50°	736.4	821.8	909.7	1012.6	1119.0	1231.4	1350.5	1476.8	1611.4	1746.1	1889.0
-52.5°	690.9	766.6	845.6	931.6	1026.8	1125.1	1228.3	1336.7	1452.3	1568.7	1686.7
-55°	644.2	713.8	781.0	856.2	937.7	1024.9	1112.8	1207.4	1300.3	1405.0	1501.5
-57.5°	600.5	659.6	718.6	782.0	853.2	927.4	1005.3	1083.3	1167.4	1250.6	1330.0
-60°	558.4	606.2	657.4	711.9	768.9	833.8	898.7	968.0	1038.3	1107.0	1177.1
-62.5°	514.5	553.0	595.2	643.4	692.8	740.5	795.9	854.1	912.9	970.0	1026.6
-65°	462.7	496.7	530.9	570.8	616.5	654.5	695.8	741.1	791.5	836.9	878.4
-67.5°	408.7	438.8	466.8	494.2	529.4	563.0	596.4	631.2	669.7	710.1	745.8
-70°	350.4	380.1	404.9	427.2	446.5	467.4	494.4	521.0	551.5	590.0	625.3
-72.5°	291.3	318.1	341.6	361.8	374.3	383.9	396.7	412.3	441.2	479.8	513.7
-75°	235.5	256.5	277.3	295.6	303.5	304.1	303.2	308.3	337.0	376.3	410.9
-77.5°	181.9	199.2	215.4	230.3	234.6	234.0	231.2	226.4	248.2	281.7	316.6
-80°	131.1	142.0	154.6	166.4	169.1	167.9	164.3	158.3	175.4	199.7	225.8
-82.5°	85.5	92.9	99.9	106.5	107.2	105.5	102.2	98.4	111.4	127.1	143.6
-85°	43.8	43.8	47.4	50.8	52.3	52.6	51.5	49.3	55.7	63.0	70.8
-87.5°	21.9	21.9	21.5	20.9	20.0	18.8	17.3	15.5	16.1	16.8	17.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-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°	17.9	17.4	16.9	16.2	15.4	15.2	14.9	14.5	14.1	13.1	12.0
85°	79.0	80.7	81.7	82.2	82.2	84.8	87.3	89.5	91.5	82.9	73.5
82.5°	160.6	168.1	174.7	181.3	187.8	192.2	195.6	198.1	199.7	180.8	159.5
80°	252.8	268.6	281.7	294.3	306.3	309.2	309.2	307.5	304.2	278.3	249.0
77.5°	351.6	372.3	388.7	405.0	421.1	427.0	429.8	432.0	433.5	401.5	362.0
75°	441.1	465.8	488.9	510.2	529.9	540.4	546.6	551.6	555.5	523.4	481.1
72.5°	543.3	569.5	594.4	618.1	638.9	652.8	661.8	669.3	675.1	656.8	630.3
70°	655.6	682.7	709.0	733.6	757.3	775.9	790.6	803.2	813.7	815.7	814.8
67.5°	780.3	812.3	843.6	870.5	898.6	924.9	948.0	967.2	982.6	992.7	998.3
65°	920.3	968.4	1011.2	1047.4	1077.8	1112.8	1143.8	1167.5	1184.2	1196.8	1207.7
62.5°	1085.4	1143.6	1192.5	1240.8	1290.7	1339.2	1369.5	1399.9	1429.6	1457.6	1481.6
60°	1244.1	1308.0	1374.2	1435.9	1493.1	1545.6	1600.0	1648.2	1690.4	1725.6	1751.9
57.5°	1413.4	1491.1	1566.4	1644.8	1718.5	1787.3	1854.5	1916.5	1970.1	2015.1	2052.0
55°	1597.0	1692.1	1781.6	1881.1	1977.5	2065.5	2146.4	2229.4	2304.1	2369.9	2422.1
52.5°	1795.1	1918.7	2037.2	2154.0	2279.0	2391.7	2492.7	2607.7	2709.7	2794.1	2859.7
50°	2031.5	2176.7	2333.2	2478.0	2635.6	2790.8	2934.0	3072.6	3208.2	3325.6	3420.4
47.5°	2300.7	2479.5	2673.3	2865.2	3060.9	3273.1	3462.5	3638.5	3828.1	3992.7	4124.8
45°	2599.9	2827.9	3062.0	3331.7	3580.2	3852.9	4105.2	4331.9	4600.7	4837.6	5028.3
42.5°	2931.9	3235.6	3543.4	3883.2	4212.8	4559.0	4926.7	5252.9	5609.5	5949.4	6224.1
40°	3343.4	3706.4	4118.7	4529.9	5003.1	5447.7	5983.3	6470.1	6912.1	7317.5	7649.7
37.5°	3800.7	4267.9	4785.9	5321.6	5969.1	6603.8	7230.7	7822.6	8345.2	8788.9	9161.1
35°	4319.8	4913.5	5540.9	6322.9	7081.5	7841.7	8549.8	9196.8	9765.1	10265.7	10691.4
32.5°	4916.9	5629.5	6507.7	7386.2	8251.6	9088.6	9866.1	10571.7	11195.0	11757.0	12246.5
30°	5544.6	6517.0	7502.6	8466.5	9411.6	10328.3	11181.7	11958.8	12663.2	13288.9	13852.8
27.5°	6342.4	7419.9	8494.7	9533.7	10573.5	11576.8	12501.6	13364.9	14173.1	14880.3	15525.0
25°	7113.9	8304.3	9446.9	10579.8	11711.7	12788.9	13822.8	14798.0	15723.6	16535.3	17255.0
22.5°	7885.4	9131.4	10352.3	11570.5	12786.3	13987.2	15148.2	16265.4	17300.6	18224.9	19035.0
20°	8600.0	9902.4	11208.1	12521.3	13839.2	15153.7	16457.7	17715.0	18868.3	19935.3	20873.0
17.5°	9240.6	10625.8	12010.1	13414.7	14843.4	16270.5	17719.0	19128.6	20446.9	21661.0	22748.8
15°	9807.8	11253.3	12740.0	14255.7	15789.8	17339.8	18920.4	20497.3	21981.5	23360.4	24574.8
12.5°	10303.9	11806.6	13364.8	14975.2	16640.3	18328.8	20053.8	21782.5	23425.4	25017.5	26328.8
10°	10713.1	12277.2	13905.8	15598.0	17353.9	19171.2	21021.8	22882.7	24692.7	26381.6	27881.2
7.5°	11029.2	12651.8	14330.1	16090.0	17932.3	19848.6	21809.1	23783.8	25715.4	27535.2	29194.4
5°	11252.1	12924.5	14623.9	16454.6	18360.8	20346.7	22384.3	24442.1	26461.5	28374.9	30094.4
2.5°	11381.6	13088.3	14794.9	16676.1	18615.8	20648.1	22741.0	24832.6	26905.3	28889.8	30656.8
0°	11415.7	13137.4	14893.1	16699.8	18695.9	20789.1	22807.1	24905.2	27059.1	29016.3	30776.9
-2.5°	11381.6	13088.3	14794.9	16676.1	18615.8	20648.1	22741.0	24832.6	26905.3	28889.8	30656.8
-5°	11252.1	12924.5	14623.9	16454.6	18360.8	20346.7	22384.3	24442.1	26461.5	28374.9	30094.4
-7.5°	11029.2	12651.8	14330.1	16090.0	17932.3	19848.6	21809.1	23783.8	25715.4	27535.2	29194.4
-10°	10713.1	12277.2	13905.8	15598.0	17353.9	19171.2	21021.8	22882.7	24692.7	26381.6	27881.2
-12.5°	10303.9	11806.6	13364.8	14975.2	16640.3	18328.8	20053.8	21782.5	23425.4	25017.5	26328.8
-15°	9807.8	11253.3	12740.0	14255.7	15789.8	17339.8	18920.4	20497.3	21981.5	23360.4	24574.8
-17.5°	9240.6	10625.8	12010.1	13414.7	14843.4	16270.5	17719.0	19128.6	20446.9	21661.0	22748.8
-20°	8600.0	9902.4	11208.1	12521.3	13839.2	15153.7	16457.7	17715.0	18868.3	19935.3	20873.0



REPORT NUMBER: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7885.4	9131.4	10352.3	11570.5	12786.3	13987.2	15148.2	16265.4	17300.6	18224.9	19035.0
-25°	7113.9	8304.3	9446.9	10579.8	11711.7	12788.9	13822.8	14798.0	15723.6	16535.3	17255.0
-27.5°	6342.4	7419.9	8494.7	9533.7	10573.5	11576.8	12501.6	13364.9	14173.1	14880.3	15525.0
-30°	5544.6	6517.0	7502.6	8466.5	9411.6	10328.3	11181.7	11958.8	12663.2	13288.9	13852.8
-32.5°	4916.9	5629.5	6507.7	7386.2	8251.6	9088.6	9866.1	10571.7	11195.0	11757.0	12246.5
-35°	4319.8	4913.5	5540.9	6322.9	7081.5	7841.7	8549.8	9196.8	9765.1	10265.7	10691.4
-37.5°	3800.7	4267.9	4785.9	5321.6	5969.1	6603.8	7230.7	7822.6	8345.2	8788.9	9161.1
-40°	3343.4	3706.4	4118.7	4529.9	5003.1	5447.7	5983.3	6470.1	6912.1	7317.5	7649.7
-42.5°	2931.9	3235.6	3543.4	3883.2	4212.8	4559.0	4926.7	5252.9	5609.5	5949.4	6224.1
-45°	2599.9	2827.9	3062.0	3331.7	3580.2	3852.9	4105.2	4331.9	4600.7	4837.6	5028.3
-47.5°	2300.7	2479.5	2673.3	2865.2	3060.9	3273.1	3462.5	3638.5	3828.1	3992.7	4124.8
-50°	2031.5	2176.7	2333.2	2478.0	2635.6	2790.8	2934.0	3072.6	3208.2	3325.6	3420.4
-52.5°	1795.1	1918.7	2037.2	2154.0	2279.0	2391.7	2492.7	2607.7	2709.7	2794.1	2859.7
-55°	1597.0	1692.1	1781.6	1881.1	1977.5	2065.5	2146.4	2229.4	2304.1	2369.9	2422.1
-57.5°	1413.4	1491.1	1566.4	1644.8	1718.5	1787.3	1854.5	1916.5	1970.1	2015.1	2052.0
-60°	1244.1	1308.0	1374.2	1435.9	1493.1	1545.6	1600.0	1648.2	1690.4	1725.6	1751.9
-62.5°	1085.4	1143.6	1192.5	1240.8	1290.7	1339.2	1369.5	1399.9	1429.6	1457.6	1481.6
-65°	920.3	968.4	1011.2	1047.4	1077.8	1112.8	1143.8	1167.5	1184.2	1196.8	1207.7
-67.5°	780.3	812.3	843.6	870.5	898.6	924.9	948.0	967.2	982.6	992.7	998.3
-70°	655.6	682.7	709.0	733.6	757.3	775.9	790.6	803.2	813.7	815.7	814.8
-72.5°	543.3	569.5	594.4	618.1	638.9	652.8	661.8	669.3	675.1	656.8	630.3
-75°	441.1	465.8	488.9	510.2	529.9	540.4	546.6	551.6	555.5	523.4	481.1
-77.5°	351.6	372.3	388.7	405.0	421.1	427.0	429.8	432.0	433.5	401.5	362.0
-80°	252.8	268.6	281.7	294.3	306.3	309.2	309.2	307.5	304.2	278.3	249.0
-82.5°	160.6	168.1	174.7	181.3	187.8	192.2	195.6	198.1	199.7	180.8	159.5
-85°	79.0	80.7	81.7	82.2	82.2	84.8	87.3	89.5	91.5	82.9	73.5
-87.5°	17.9	17.4	16.9	16.2	15.4	15.2	14.9	14.5	14.1	13.1	12.0
-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: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.8	9.7	8.5	7.3	8.5	9.7	10.8	12.0	13.1	14.1	14.5
85°	63.5	53.1	52.1	51.0	52.1	53.1	63.5	73.5	82.9	91.5	89.5
82.5°	137.1	113.8	110.3	106.8	110.3	113.8	137.1	159.5	180.8	199.7	198.1
80°	218.4	186.9	180.7	174.8	180.7	186.9	218.4	249.0	278.3	304.2	307.5
77.5°	320.5	277.2	264.5	252.5	264.5	277.2	320.5	362.0	401.5	433.5	432.0
75°	437.2	391.7	376.3	361.8	376.3	391.7	437.2	481.1	523.4	555.5	551.6
72.5°	603.6	575.9	547.8	517.2	547.8	575.9	603.6	630.3	656.8	675.1	669.3
70°	814.0	812.0	805.0	794.1	805.0	812.0	814.0	814.8	815.7	813.7	803.2
67.5°	1000.8	999.9	1002.4	1002.9	1002.4	999.9	1000.8	998.3	992.7	982.6	967.2
65°	1214.3	1216.6	1221.7	1223.9	1221.7	1216.6	1214.3	1207.7	1196.8	1184.2	1167.5
62.5°	1499.9	1512.3	1518.4	1517.7	1518.4	1512.3	1499.9	1481.6	1457.6	1429.6	1399.9
60°	1771.5	1784.4	1792.5	1794.6	1792.5	1784.4	1771.5	1751.9	1725.6	1690.4	1648.2
57.5°	2081.2	2102.3	2113.5	2115.1	2113.5	2102.3	2081.2	2052.0	2015.1	1970.1	1916.5
55°	2462.1	2490.1	2502.6	2501.2	2502.6	2490.1	2462.1	2422.1	2369.9	2304.1	2229.4
52.5°	2909.4	2943.4	2968.9	2984.4	2968.9	2943.4	2909.4	2859.7	2794.1	2709.7	2607.7
50°	3491.7	3540.5	3571.5	3584.2	3571.5	3540.5	3491.7	3420.4	3325.6	3208.2	3072.6
47.5°	4220.2	4284.9	4332.8	4366.2	4332.8	4284.9	4220.2	4124.8	3992.7	3828.1	3638.5
45°	5169.1	5267.8	5334.8	5373.9	5334.8	5267.8	5169.1	5028.3	4837.6	4600.7	4331.9
42.5°	6438.7	6591.8	6685.7	6721.7	6685.7	6591.8	6438.7	6224.1	5949.4	5609.5	5252.9
40°	7912.0	8096.0	8216.7	8300.1	8216.7	8096.0	7912.0	7649.7	7317.5	6912.1	6470.1
37.5°	9446.7	9639.9	9757.4	9837.2	9757.4	9639.9	9446.7	9161.1	8788.9	8345.2	7822.6
35°	11012.4	11214.6	11324.9	11386.5	11324.9	11214.6	11012.4	10691.4	10265.7	9765.1	9196.8
32.5°	12619.7	12842.5	12962.4	13086.4	12962.4	12842.5	12619.7	12246.5	11757.0	11195.0	10571.7
30°	14298.4	14554.2	14679.6	14740.1	14679.6	14554.2	14298.4	13852.8	13288.9	12663.2	11958.8
27.5°	16045.2	16364.1	16521.1	16624.5	16521.1	16364.1	16045.2	15525.0	14880.3	14173.1	13364.9
25°	17862.9	18257.9	18437.7	18598.7	18437.7	18257.9	17862.9	17255.0	16535.3	15723.6	14798.0
22.5°	19748.7	20240.7	20449.0	20563.3	20449.0	20240.7	19748.7	19035.0	18224.9	17300.6	16265.4
20°	21683.8	22271.6	22561.0	22709.9	22561.0	22271.6	21683.8	20873.0	19935.3	18868.3	17715.0
17.5°	23662.5	24393.7	24768.2	24854.2	24768.2	24393.7	23662.5	22748.8	21661.0	20446.9	19128.6
15°	25605.0	26395.9	26838.7	27000.8	26838.7	26395.9	25605.0	24574.8	23360.4	21981.5	20497.3
12.5°	27444.7	28264.4	28793.4	28887.6	28793.4	28264.4	27444.7	26328.8	25017.5	23425.4	21782.5
10°	29113.2	29962.3	30546.6	30679.8	30546.6	29962.3	29113.2	27881.2	26381.6	24692.7	22882.7
7.5°	30508.0	31439.7	32085.2	32197.5	32085.2	31439.7	30508.0	29194.4	27535.2	25715.4	23783.8
5°	31528.5	32634.7	33164.5	33297.5	33164.5	32634.7	31528.5	30094.4	28374.9	26461.5	24442.1
2.5°	32088.3	33214.4	33950.8	33865.8	33950.8	33214.4	32088.3	30656.8	28889.8	26905.3	24832.6
0°	32151.3	33329.1	34033.3	34358.7	34033.3	33329.1	32151.3	30776.9	29016.3	27059.1	24905.2
-2.5°	32088.3	33214.4	33950.8	33865.8	33950.8	33214.4	32088.3	30656.8	28889.8	26905.3	24832.6
-5°	31528.5	32634.7	33164.5	33297.5	33164.5	32634.7	31528.5	30094.4	28374.9	26461.5	24442.1
-7.5°	30508.0	31439.7	32085.2	32197.5	32085.2	31439.7	30508.0	29194.4	27535.2	25715.4	23783.8
-10°	29113.2	29962.3	30546.6	30679.8	30546.6	29962.3	29113.2	27881.2	26381.6	24692.7	22882.7
-12.5°	27444.7	28264.4	28793.4	28887.6	28793.4	28264.4	27444.7	26328.8	25017.5	23425.4	21782.5
-15°	25605.0	26395.9	26838.7	27000.8	26838.7	26395.9	25605.0	24574.8	23360.4	21981.5	20497.3
-17.5°	23662.5	24393.7	24768.2	24854.2	24768.2	24393.7	23662.5	22748.8	21661.0	20446.9	19128.6
-20°	21683.8	22271.6	22561.0	22709.9	22561.0	22271.6	21683.8	20873.0	19935.3	18868.3	17715.0



REPORT NUMBER: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19748.7	20240.7	20449.0	20563.3	20449.0	20240.7	19748.7	19035.0	18224.9	17300.6	16265.4
-25°	17862.9	18257.9	18437.7	18598.7	18437.7	18257.9	17862.9	17255.0	16535.3	15723.6	14798.0
-27.5°	16045.2	16364.1	16521.1	16624.5	16521.1	16364.1	16045.2	15525.0	14880.3	14173.1	13364.9
-30°	14298.4	14554.2	14679.6	14740.1	14679.6	14554.2	14298.4	13852.8	13288.9	12663.2	11958.8
-32.5°	12619.7	12842.5	12962.4	13086.4	12962.4	12842.5	12619.7	12246.5	11757.0	11195.0	10571.7
-35°	11012.4	11214.6	11324.9	11386.5	11324.9	11214.6	11012.4	10691.4	10265.7	9765.1	9196.8
-37.5°	9446.7	9639.9	9757.4	9837.2	9757.4	9639.9	9446.7	9161.1	8788.9	8345.2	7822.6
-40°	7912.0	8096.0	8216.7	8300.1	8216.7	8096.0	7912.0	7649.7	7317.5	6912.1	6470.1
-42.5°	6438.7	6591.8	6685.7	6721.7	6685.7	6591.8	6438.7	6224.1	5949.4	5609.5	5252.9
-45°	5169.1	5267.8	5334.8	5373.9	5334.8	5267.8	5169.1	5028.3	4837.6	4600.7	4331.9
-47.5°	4220.2	4284.9	4332.8	4366.2	4332.8	4284.9	4220.2	4124.8	3992.7	3828.1	3638.5
-50°	3491.7	3540.5	3571.5	3584.2	3571.5	3540.5	3491.7	3420.4	3325.6	3208.2	3072.6
-52.5°	2909.4	2943.4	2968.9	2984.4	2968.9	2943.4	2909.4	2859.7	2794.1	2709.7	2607.7
-55°	2462.1	2490.1	2502.6	2501.2	2502.6	2490.1	2462.1	2422.1	2369.9	2304.1	2229.4
-57.5°	2081.2	2102.3	2113.5	2115.1	2113.5	2102.3	2081.2	2052.0	2015.1	1970.1	1916.5
-60°	1771.5	1784.4	1792.5	1794.6	1792.5	1784.4	1771.5	1751.9	1725.6	1690.4	1648.2
-62.5°	1499.9	1512.3	1518.4	1517.7	1518.4	1512.3	1499.9	1481.6	1457.6	1429.6	1399.9
-65°	1214.3	1216.6	1221.7	1223.9	1221.7	1216.6	1214.3	1207.7	1196.8	1184.2	1167.5
-67.5°	1000.8	999.9	1002.4	1002.9	1002.4	999.9	1000.8	998.3	992.7	982.6	967.2
-70°	814.0	812.0	805.0	794.1	805.0	812.0	814.0	814.8	815.7	813.7	803.2
-72.5°	603.6	575.9	547.8	517.2	547.8	575.9	603.6	630.3	656.8	675.1	669.3
-75°	437.2	391.7	376.3	361.8	376.3	391.7	437.2	481.1	523.4	555.5	551.6
-77.5°	320.5	277.2	264.5	252.5	264.5	277.2	320.5	362.0	401.5	433.5	432.0
-80°	218.4	186.9	180.7	174.8	180.7	186.9	218.4	249.0	278.3	304.2	307.5
-82.5°	137.1	113.8	110.3	106.8	110.3	113.8	137.1	159.5	180.8	199.7	198.1
-85°	63.5	53.1	52.1	51.0	52.1	53.1	63.5	73.5	82.9	91.5	89.5
-87.5°	10.8	9.7	8.5	7.3	8.5	9.7	10.8	12.0	13.1	14.1	14.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GFLD-SA5D-730-U-WR-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°	14.9	15.2	15.4	16.2	16.9	17.4	17.9	17.4	16.8	16.1	15.5
85°	87.3	84.8	82.2	82.2	81.7	80.7	79.0	70.8	63.0	55.7	49.3
82.5°	195.6	192.2	187.8	181.3	174.7	168.1	160.6	143.6	127.1	111.4	98.4
80°	309.2	309.2	306.3	294.3	281.7	268.6	252.8	225.8	199.7	175.4	158.3
77.5°	429.8	427.0	421.1	405.0	388.7	372.3	351.6	316.6	281.7	248.2	226.4
75°	546.6	540.4	529.9	510.2	488.9	465.8	441.1	410.9	376.3	337.0	308.3
72.5°	661.8	652.8	638.9	618.1	594.4	569.5	543.3	513.7	479.8	441.2	412.3
70°	790.6	775.9	757.3	733.6	709.0	682.7	655.6	625.3	590.0	551.5	521.0
67.5°	948.0	924.9	898.6	870.5	843.6	812.3	780.3	745.8	710.1	669.7	631.2
65°	1143.8	1112.8	1077.8	1047.4	1011.2	968.4	920.3	878.4	836.9	791.5	741.1
62.5°	1369.5	1339.2	1290.7	1240.8	1192.5	1143.6	1085.4	1026.6	970.0	912.9	854.1
60°	1600.0	1545.6	1493.1	1435.9	1374.2	1308.0	1244.1	1177.1	1107.0	1038.3	968.0
57.5°	1854.5	1787.3	1718.5	1644.8	1566.4	1491.1	1413.4	1330.0	1250.6	1167.4	1083.3
55°	2146.4	2065.5	1977.5	1881.1	1781.6	1692.1	1597.0	1501.5	1405.0	1300.3	1207.4
52.5°	2492.7	2391.7	2279.0	2154.0	2037.2	1918.7	1795.1	1686.7	1568.7	1452.3	1336.7
50°	2934.0	2790.8	2635.6	2478.0	2333.2	2176.7	2031.5	1889.0	1746.1	1611.4	1476.8
47.5°	3462.5	3273.1	3060.9	2865.2	2673.3	2479.5	2300.7	2112.2	1948.4	1778.8	1629.1
45°	4105.2	3852.9	3580.2	3331.7	3062.0	2827.9	2599.9	2383.2	2167.9	1976.3	1785.3
42.5°	4926.7	4559.0	4212.8	3883.2	3543.4	3235.6	2931.9	2675.1	2422.5	2185.3	1970.0
40°	5983.3	5447.7	5003.1	4529.9	4118.7	3706.4	3343.4	2987.4	2700.4	2419.5	2156.8
37.5°	7230.7	6603.8	5969.1	5321.6	4785.9	4267.9	3800.7	3381.5	2991.1	2671.7	2368.6
35°	8549.8	7841.7	7081.5	6322.9	5540.9	4913.5	4319.8	3803.3	3347.7	2935.9	2586.5
32.5°	9866.1	9088.6	8251.6	7386.2	6507.7	5629.5	4916.9	4277.2	3707.2	3238.1	2824.7
30°	11181.7	10328.3	9411.6	8466.5	7502.6	6517.0	5544.6	4797.4	4128.2	3539.9	3064.3
27.5°	12501.6	11576.8	10573.5	9533.7	8494.7	7419.9	6342.4	5334.1	4552.4	3887.6	3327.4
25°	13822.8	12788.9	11711.7	10579.8	9446.9	8304.3	7113.9	5989.9	5028.3	4235.5	3569.8
22.5°	15148.2	13987.2	12786.3	11570.5	10352.3	9131.4	7885.4	6632.3	5479.1	4589.4	3853.4
20°	16457.7	15153.7	13839.2	12521.3	11208.1	9902.4	8600.0	7262.2	6009.0	4955.7	4118.3
17.5°	17719.0	16270.5	14843.4	13414.7	12010.1	10625.8	9240.6	7843.6	6482.2	5281.8	4352.1
15°	18920.4	17339.8	15789.8	14255.7	12740.0	11253.3	9807.8	8354.0	6912.6	5622.0	4608.5
12.5°	20053.8	18328.8	16640.3	14975.2	13364.8	11806.6	10303.9	8802.0	7317.9	5953.3	4837.0
10°	21021.8	19171.2	17353.9	15598.0	13905.8	12277.2	10713.1	9181.1	7665.4	6229.0	5023.9
7.5°	21809.1	19848.6	17932.3	16090.0	14330.1	12651.8	11029.2	9472.0	7940.5	6444.5	5168.1
5°	22384.3	20346.7	18360.8	16454.6	14623.9	12924.5	11252.1	9670.9	8139.8	6597.7	5268.9
2.5°	22741.0	20648.1	18615.8	16676.1	14794.9	13088.3	11381.6	9791.1	8253.6	6682.0	5332.3
0°	22807.1	20789.1	18695.9	16699.8	14893.1	13137.4	11415.7	9834.8	8283.1	6699.8	5352.1
-2.5°	22741.0	20648.1	18615.8	16676.1	14794.9	13088.3	11381.6	9791.1	8253.6	6682.0	5332.3
-5°	22384.3	20346.7	18360.8	16454.6	14623.9	12924.5	11252.1	9670.9	8139.8	6597.7	5268.9
-7.5°	21809.1	19848.6	17932.3	16090.0	14330.1	12651.8	11029.2	9472.0	7940.5	6444.5	5168.1
-10°	21021.8	19171.2	17353.9	15598.0	13905.8	12277.2	10713.1	9181.1	7665.4	6229.0	5023.9
-12.5°	20053.8	18328.8	16640.3	14975.2	13364.8	11806.6	10303.9	8802.0	7317.9	5953.3	4837.0
-15°	18920.4	17339.8	15789.8	14255.7	12740.0	11253.3	9807.8	8354.0	6912.6	5622.0	4608.5
-17.5°	17719.0	16270.5	14843.4	13414.7	12010.1	10625.8	9240.6	7843.6	6482.2	5281.8	4352.1
-20°	16457.7	15153.7	13839.2	12521.3	11208.1	9902.4	8600.0	7262.2	6009.0	4955.7	4118.3



REPORT NUMBER: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15148.2	13987.2	12786.3	11570.5	10352.3	9131.4	7885.4	6632.3	5479.1	4589.4	3853.4
-25°	13822.8	12788.9	11711.7	10579.8	9446.9	8304.3	7113.9	5989.9	5028.3	4235.5	3569.8
-27.5°	12501.6	11576.8	10573.5	9533.7	8494.7	7419.9	6342.4	5334.1	4552.4	3887.6	3327.4
-30°	11181.7	10328.3	9411.6	8466.5	7502.6	6517.0	5544.6	4797.4	4128.2	3539.9	3064.3
-32.5°	9866.1	9088.6	8251.6	7386.2	6507.7	5629.5	4916.9	4277.2	3707.2	3238.1	2824.7
-35°	8549.8	7841.7	7081.5	6322.9	5540.9	4913.5	4319.8	3803.3	3347.7	2935.9	2586.5
-37.5°	7230.7	6603.8	5969.1	5321.6	4785.9	4267.9	3800.7	3381.5	2991.1	2671.7	2368.6
-40°	5983.3	5447.7	5003.1	4529.9	4118.7	3706.4	3343.4	2987.4	2700.4	2419.5	2156.8
-42.5°	4926.7	4559.0	4212.8	3883.2	3543.4	3235.6	2931.9	2675.1	2422.5	2185.3	1970.0
-45°	4105.2	3852.9	3580.2	3331.7	3062.0	2827.9	2599.9	2383.2	2167.9	1976.3	1785.3
-47.5°	3462.5	3273.1	3060.9	2865.2	2673.3	2479.5	2300.7	2112.2	1948.4	1778.8	1629.1
-50°	2934.0	2790.8	2635.6	2478.0	2333.2	2176.7	2031.5	1889.0	1746.1	1611.4	1476.8
-52.5°	2492.7	2391.7	2279.0	2154.0	2037.2	1918.7	1795.1	1686.7	1568.7	1452.3	1336.7
-55°	2146.4	2065.5	1977.5	1881.1	1781.6	1692.1	1597.0	1501.5	1405.0	1300.3	1207.4
-57.5°	1854.5	1787.3	1718.5	1644.8	1566.4	1491.1	1413.4	1330.0	1250.6	1167.4	1083.3
-60°	1600.0	1545.6	1493.1	1435.9	1374.2	1308.0	1244.1	1177.1	1107.0	1038.3	968.0
-62.5°	1369.5	1339.2	1290.7	1240.8	1192.5	1143.6	1085.4	1026.6	970.0	912.9	854.1
-65°	1143.8	1112.8	1077.8	1047.4	1011.2	968.4	920.3	878.4	836.9	791.5	741.1
-67.5°	948.0	924.9	898.6	870.5	843.6	812.3	780.3	745.8	710.1	669.7	631.2
-70°	790.6	775.9	757.3	733.6	709.0	682.7	655.6	625.3	590.0	551.5	521.0
-72.5°	661.8	652.8	638.9	618.1	594.4	569.5	543.3	513.7	479.8	441.2	412.3
-75°	546.6	540.4	529.9	510.2	488.9	465.8	441.1	410.9	376.3	337.0	308.3
-77.5°	429.8	427.0	421.1	405.0	388.7	372.3	351.6	316.6	281.7	248.2	226.4
-80°	309.2	309.2	306.3	294.3	281.7	268.6	252.8	225.8	199.7	175.4	158.3
-82.5°	195.6	192.2	187.8	181.3	174.7	168.1	160.6	143.6	127.1	111.4	98.4
-85°	87.3	84.8	82.2	82.2	81.7	80.7	79.0	70.8	63.0	55.7	49.3
-87.5°	14.9	15.2	15.4	16.2	16.9	17.4	17.9	17.4	16.8	16.1	15.5
-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: P627693 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5D-730-U-WR-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°	17.3	18.8	20.0	20.9	21.5	21.9	21.9	21.6	20.7	19.5	18.1
85°	51.5	52.6	52.3	50.8	47.4	43.8	43.8	43.1	41.4	39.0	36.1
82.5°	102.2	105.5	107.2	106.5	99.9	92.9	85.5	77.7	69.3	59.8	54.2
80°	164.3	167.9	169.1	166.4	154.6	142.0	131.1	119.8	108.7	96.2	82.3
77.5°	231.2	234.0	234.6	230.3	215.4	199.2	181.9	163.7	148.2	132.7	115.3
75°	303.2	304.1	303.5	295.6	277.3	256.5	235.5	212.8	190.2	169.1	148.2
72.5°	396.7	383.9	374.3	361.8	341.6	318.1	291.3	261.2	232.5	205.6	180.6
70°	494.4	467.4	446.5	427.2	404.9	380.1	350.4	312.6	274.2	241.5	211.1
67.5°	596.4	563.0	529.4	494.2	466.8	438.8	408.7	363.3	317.2	276.7	240.9
65°	695.8	654.5	616.5	570.8	530.9	496.7	462.7	411.3	358.7	311.5	270.1
62.5°	795.9	740.5	692.8	643.4	595.2	553.0	514.5	456.0	398.5	344.8	297.8
60°	898.7	833.8	768.9	711.9	657.4	606.2	558.4	499.3	437.0	376.5	324.1
57.5°	1005.3	927.4	853.2	782.0	718.6	659.6	600.5	539.2	474.2	408.7	347.7
55°	1112.8	1024.9	937.7	856.2	781.0	713.8	644.2	577.4	509.8	440.2	366.5
52.5°	1228.3	1125.1	1026.8	931.6	845.6	766.6	690.9	614.8	543.8	470.4	387.0
50°	1350.5	1231.4	1119.0	1012.6	909.7	821.8	736.4	655.7	577.0	499.5	406.3
47.5°	1479.0	1344.1	1216.2	1094.3	982.5	875.1	783.9	695.9	609.2	528.3	423.8
45°	1620.4	1460.0	1316.0	1182.2	1052.2	935.7	830.9	734.8	644.1	548.9	439.6
42.5°	1762.5	1585.0	1419.5	1267.2	1128.4	996.9	876.0	775.1	677.7	567.8	455.0
40°	1926.4	1712.8	1523.7	1358.7	1203.5	1055.3	927.8	814.0	708.9	586.5	470.0
37.5°	2086.3	1850.4	1637.4	1445.8	1277.5	1121.3	978.0	850.9	733.6	606.9	483.6
35°	2274.6	1992.5	1745.6	1538.1	1353.8	1184.0	1025.1	888.7	760.7	626.5	495.7
32.5°	2457.6	2137.2	1867.5	1632.6	1425.7	1243.5	1075.1	927.4	788.2	645.2	506.3
30°	2658.5	2294.5	1982.4	1721.1	1497.2	1304.6	1125.5	963.8	816.0	662.9	516.5
27.5°	2851.6	2439.5	2094.1	1814.8	1572.8	1361.8	1172.2	997.9	843.9	681.3	529.3
25°	3042.9	2596.1	2217.3	1904.1	1642.2	1413.8	1215.0	1029.8	871.2	701.8	540.8
22.5°	3250.6	2747.7	2328.3	1984.4	1704.9	1461.2	1255.8	1064.7	896.3	721.5	550.9
20°	3441.5	2884.5	2427.4	2061.2	1767.2	1512.5	1294.1	1095.9	918.9	740.0	559.4
17.5°	3621.6	3023.7	2538.1	2144.3	1826.2	1557.7	1327.8	1123.3	938.8	757.0	566.3
15°	3810.6	3161.9	2637.6	2216.2	1877.2	1596.7	1356.7	1146.9	955.9	772.3	572.8
12.5°	3972.0	3278.8	2721.3	2276.7	1920.1	1629.3	1380.8	1166.5	970.2	785.3	578.7
10°	4105.0	3373.7	2788.8	2325.6	1954.6	1655.5	1400.0	1182.4	982.2	795.4	581.9
7.5°	4208.5	3446.2	2839.8	2362.6	1981.1	1675.9	1416.0	1194.8	991.4	802.5	582.6
5°	4280.9	3496.8	2877.2	2388.5	2001.2	1690.6	1427.5	1203.0	997.7	806.3	580.9
2.5°	4318.9	3525.4	2900.2	2402.4	2012.7	1698.6	1433.9	1207.1	1000.8	806.8	576.9
0°	4324.9	3530.8	2906.7	2404.1	2015.5	1699.8	1435.2	1206.9	1000.5	803.8	570.7
-2.5°	4318.9	3525.4	2900.2	2402.4	2012.7	1698.6	1433.9	1207.1	1000.8	806.8	576.9
-5°	4280.9	3496.8	2877.2	2388.5	2001.2	1690.6	1427.5	1203.0	997.7	806.3	580.9
-7.5°	4208.5	3446.2	2839.8	2362.6	1981.1	1675.9	1416.0	1194.8	991.4	802.5	582.6
-10°	4105.0	3373.7	2788.8	2325.6	1954.6	1655.5	1400.0	1182.4	982.2	795.4	581.9
-12.5°	3972.0	3278.8	2721.3	2276.7	1920.1	1629.3	1380.8	1166.5	970.2	785.3	578.7
-15°	3810.6	3161.9	2637.6	2216.2	1877.2	1596.7	1356.7	1146.9	955.9	772.3	572.8
-17.5°	3621.6	3023.7	2538.1	2144.3	1826.2	1557.7	1327.8	1123.3	938.8	757.0	566.3
-20°	3441.5	2884.5	2427.4	2061.2	1767.2	1512.5	1294.1	1095.9	918.9	740.0	559.4



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CATALOG NUMBER: GFLD-SA5D-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3250.6	2747.7	2328.3	1984.4	1704.9	1461.2	1255.8	1064.7	896.3	721.5	550.9
-25°	3042.9	2596.1	2217.3	1904.1	1642.2	1413.8	1215.0	1029.8	871.2	701.8	540.8
-27.5°	2851.6	2439.5	2094.1	1814.8	1572.8	1361.8	1172.2	997.9	843.9	681.3	529.3
-30°	2658.5	2294.5	1982.4	1721.1	1497.2	1304.6	1125.5	963.8	816.0	662.9	516.5
-32.5°	2457.6	2137.2	1867.5	1632.6	1425.7	1243.5	1075.1	927.4	788.2	645.2	506.3
-35°	2274.6	1992.5	1745.6	1538.1	1353.8	1184.0	1025.1	888.7	760.7	626.5	495.7
-37.5°	2086.3	1850.4	1637.4	1445.8	1277.5	1121.3	978.0	850.9	733.6	606.9	483.6
-40°	1926.4	1712.8	1523.7	1358.7	1203.5	1055.3	927.8	814.0	708.9	586.5	470.0
-42.5°	1762.5	1585.0	1419.5	1267.2	1128.4	996.9	876.0	775.1	677.7	567.8	455.0
-45°	1620.4	1460.0	1316.0	1182.2	1052.2	935.7	830.9	734.8	644.1	548.9	439.6
-47.5°	1479.0	1344.1	1216.2	1094.3	982.5	875.1	783.9	695.9	609.2	528.3	423.8
-50°	1350.5	1231.4	1119.0	1012.6	909.7	821.8	736.4	655.7	577.0	499.5	406.3
-52.5°	1228.3	1125.1	1026.8	931.6	845.6	766.6	690.9	614.8	543.8	470.4	387.0
-55°	1112.8	1024.9	937.7	856.2	781.0	713.8	644.2	577.4	509.8	440.2	366.5
-57.5°	1005.3	927.4	853.2	782.0	718.6	659.6	600.5	539.2	474.2	408.7	347.7
-60°	898.7	833.8	768.9	711.9	657.4	606.2	558.4	499.3	437.0	376.5	324.1
-62.5°	795.9	740.5	692.8	643.4	595.2	553.0	514.5	456.0	398.5	344.8	297.8
-65°	695.8	654.5	616.5	570.8	530.9	496.7	462.7	411.3	358.7	311.5	270.1
-67.5°	596.4	563.0	529.4	494.2	466.8	438.8	408.7	363.3	317.2	276.7	240.9
-70°	494.4	467.4	446.5	427.2	404.9	380.1	350.4	312.6	274.2	241.5	211.1
-72.5°	396.7	383.9	374.3	361.8	341.6	318.1	291.3	261.2	232.5	205.6	180.6
-75°	303.2	304.1	303.5	295.6	277.3	256.5	235.5	212.8	190.2	169.1	148.2
-77.5°	231.2	234.0	234.6	230.3	215.4	199.2	181.9	163.7	148.2	132.7	115.3
-80°	164.3	167.9	169.1	166.4	154.6	142.0	131.1	119.8	108.7	96.2	82.3
-82.5°	102.2	105.5	107.2	106.5	99.9	92.9	85.5	77.7	69.3	59.8	54.2
-85°	51.5	52.6	52.3	50.8	47.4	43.8	43.8	43.1	41.4	39.0	36.1
-87.5°	17.3	18.8	20.0	20.9	21.5	21.9	21.9	21.6	20.7	19.5	18.1
-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°	16.3	12.7	9.5	6.6	4.0	1.7	0.0
85°	32.6	25.4	18.9	13.1	8.0	3.5	0.0
82.5°	48.7	38.0	28.3	19.6	12.0	5.2	0.0
80°	66.2	50.4	37.6	26.1	15.9	6.9	0.0
77.5°	94.5	65.6	46.7	32.4	19.8	8.6	0.0
75°	122.0	85.8	56.6	38.7	23.6	10.3	0.0
72.5°	148.6	105.4	70.1	44.8	27.4	12.0	0.0
70°	173.9	124.2	83.1	51.2	31.0	13.6	0.0
67.5°	195.8	142.1	95.6	59.1	34.5	15.1	0.0
65°	216.7	158.6	107.5	66.8	38.0	16.7	0.0
62.5°	236.3	173.7	118.7	74.0	41.3	18.2	0.0
60°	254.8	187.9	129.1	80.8	44.4	19.6	0.0
57.5°	271.4	201.1	138.9	87.1	48.3	21.0	0.0
55°	286.8	213.2	147.9	93.0	52.0	22.3	0.0
52.5°	300.8	224.3	156.2	98.4	55.6	23.6	0.0
50°	313.6	234.5	163.7	103.2	59.0	24.8	0.0
47.5°	325.4	243.7	170.5	107.6	62.3	26.0	0.0
45°	338.8	251.9	176.4	112.0	65.4	27.1	0.0
42.5°	350.7	259.0	181.5	115.9	68.3	28.1	0.0
40°	361.1	265.0	186.1	120.1	71.0	29.0	0.0
37.5°	370.0	269.9	190.3	124.5	73.6	29.9	0.0
35°	377.4	275.4	193.6	128.4	75.9	30.7	0.0
32.5°	384.2	280.6	196.2	132.1	78.1	31.4	0.0
30°	391.7	284.7	197.9	135.3	80.0	32.1	0.0
27.5°	397.9	287.6	202.2	138.2	81.8	32.6	0.0
25°	402.7	289.3	206.2	140.7	83.4	33.1	0.0
22.5°	406.1	291.6	209.8	142.9	84.7	33.6	0.0
20°	408.0	296.9	212.9	144.7	85.8	33.9	0.0
17.5°	412.6	301.2	215.5	146.1	86.8	34.2	0.0
15°	418.1	304.6	217.6	147.1	87.5	34.4	0.0
12.5°	422.1	307.1	219.1	147.8	88.0	34.5	0.0
10°	424.6	308.7	220.1	148.1	88.3	34.5	0.0
7.5°	425.6	309.4	220.6	148.0	88.4	34.5	0.0
5°	425.2	309.1	220.5	147.6	88.3	34.4	0.0
2.5°	423.3	308.0	219.8	146.8	87.9	34.2	0.0
0°	420.1	306.0	218.6	145.7	87.4	34.0	0.0
-2.5°	423.3	308.0	219.8	146.8	87.9	34.2	0.0
-5°	425.2	309.1	220.5	147.6	88.3	34.4	0.0
-7.5°	425.6	309.4	220.6	148.0	88.4	34.5	0.0
-10°	424.6	308.7	220.1	148.1	88.3	34.5	0.0
-12.5°	422.1	307.1	219.1	147.8	88.0	34.5	0.0
-15°	418.1	304.6	217.6	147.1	87.5	34.4	0.0
-17.5°	412.6	301.2	215.5	146.1	86.8	34.2	0.0
-20°	408.0	296.9	212.9	144.7	85.8	33.9	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	406.1	291.6	209.8	142.9	84.7	33.6	0.0
-25°	402.7	289.3	206.2	140.7	83.4	33.1	0.0
-27.5°	397.9	287.6	202.2	138.2	81.8	32.6	0.0
-30°	391.7	284.7	197.9	135.3	80.0	32.1	0.0
-32.5°	384.2	280.6	196.2	132.1	78.1	31.4	0.0
-35°	377.4	275.4	193.6	128.4	75.9	30.7	0.0
-37.5°	370.0	269.9	190.3	124.5	73.6	29.9	0.0
-40°	361.1	265.0	186.1	120.1	71.0	29.0	0.0
-42.5°	350.7	259.0	181.5	115.9	68.3	28.1	0.0
-45°	338.8	251.9	176.4	112.0	65.4	27.1	0.0
-47.5°	325.4	243.7	170.5	107.6	62.3	26.0	0.0
-50°	313.6	234.5	163.7	103.2	59.0	24.8	0.0
-52.5°	300.8	224.3	156.2	98.4	55.6	23.6	0.0
-55°	286.8	213.2	147.9	93.0	52.0	22.3	0.0
-57.5°	271.4	201.1	138.9	87.1	48.3	21.0	0.0
-60°	254.8	187.9	129.1	80.8	44.4	19.6	0.0
-62.5°	236.3	173.7	118.7	74.0	41.3	18.2	0.0
-65°	216.7	158.6	107.5	66.8	38.0	16.7	0.0
-67.5°	195.8	142.1	95.6	59.1	34.5	15.1	0.0
-70°	173.9	124.2	83.1	51.2	31.0	13.6	0.0
-72.5°	148.6	105.4	70.1	44.8	27.4	12.0	0.0
-75°	122.0	85.8	56.6	38.7	23.6	10.3	0.0
-77.5°	94.5	65.6	46.7	32.4	19.8	8.6	0.0
-80°	66.2	50.4	37.6	26.1	15.9	6.9	0.0
-82.5°	48.7	38.0	28.3	19.6	12.0	5.2	0.0
-85°	32.6	25.4	18.9	13.1	8.0	3.5	0.0
-87.5°	16.3	12.7	9.5	6.6	4.0	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)