

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: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-722-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627373 (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-SA4C-722-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N85
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

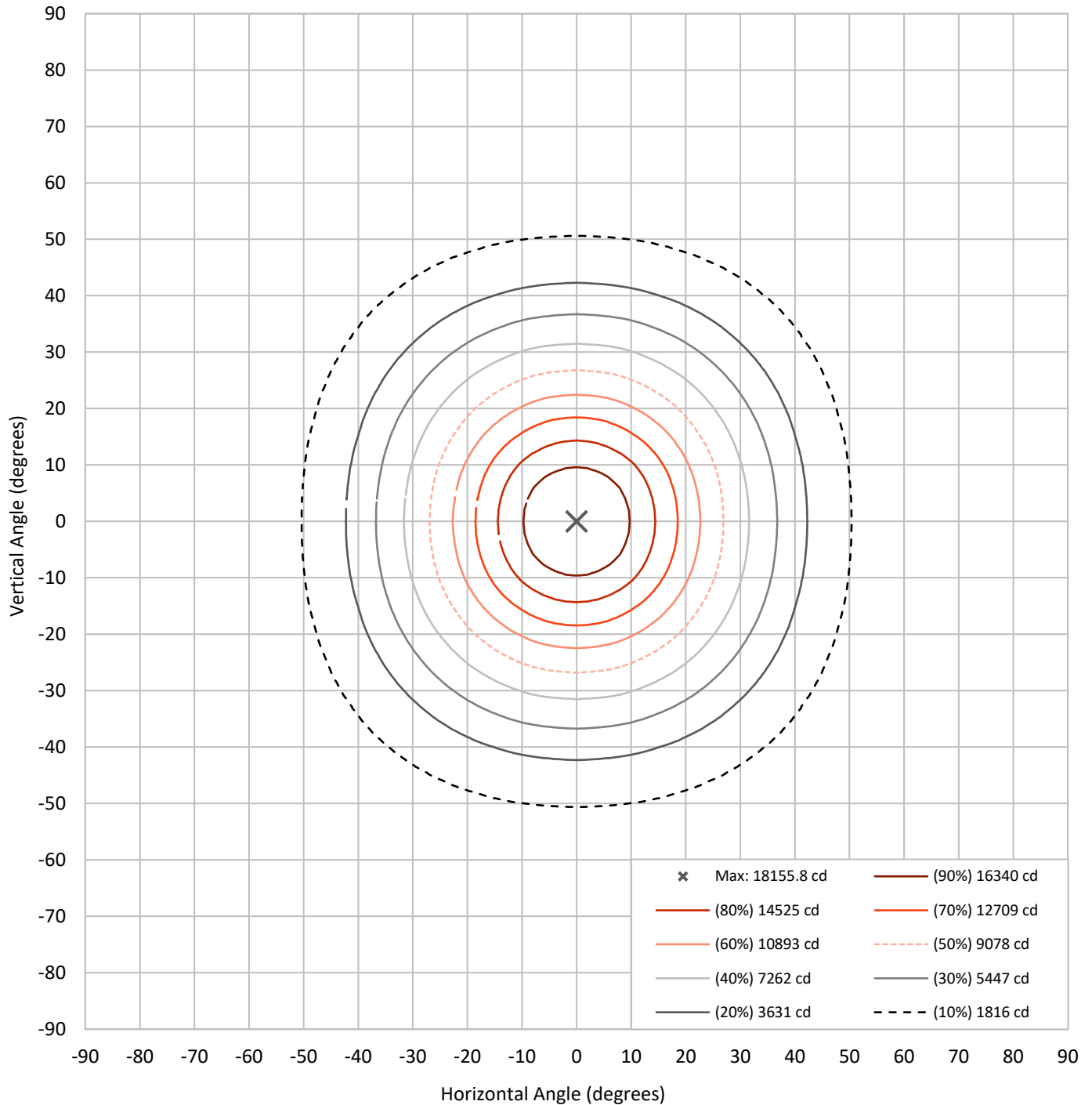
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18478.3 lumens	Max Intensity:	18155.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	109.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	8835.2 lumens	Field Lumens:	16307.8 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	168.2		
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





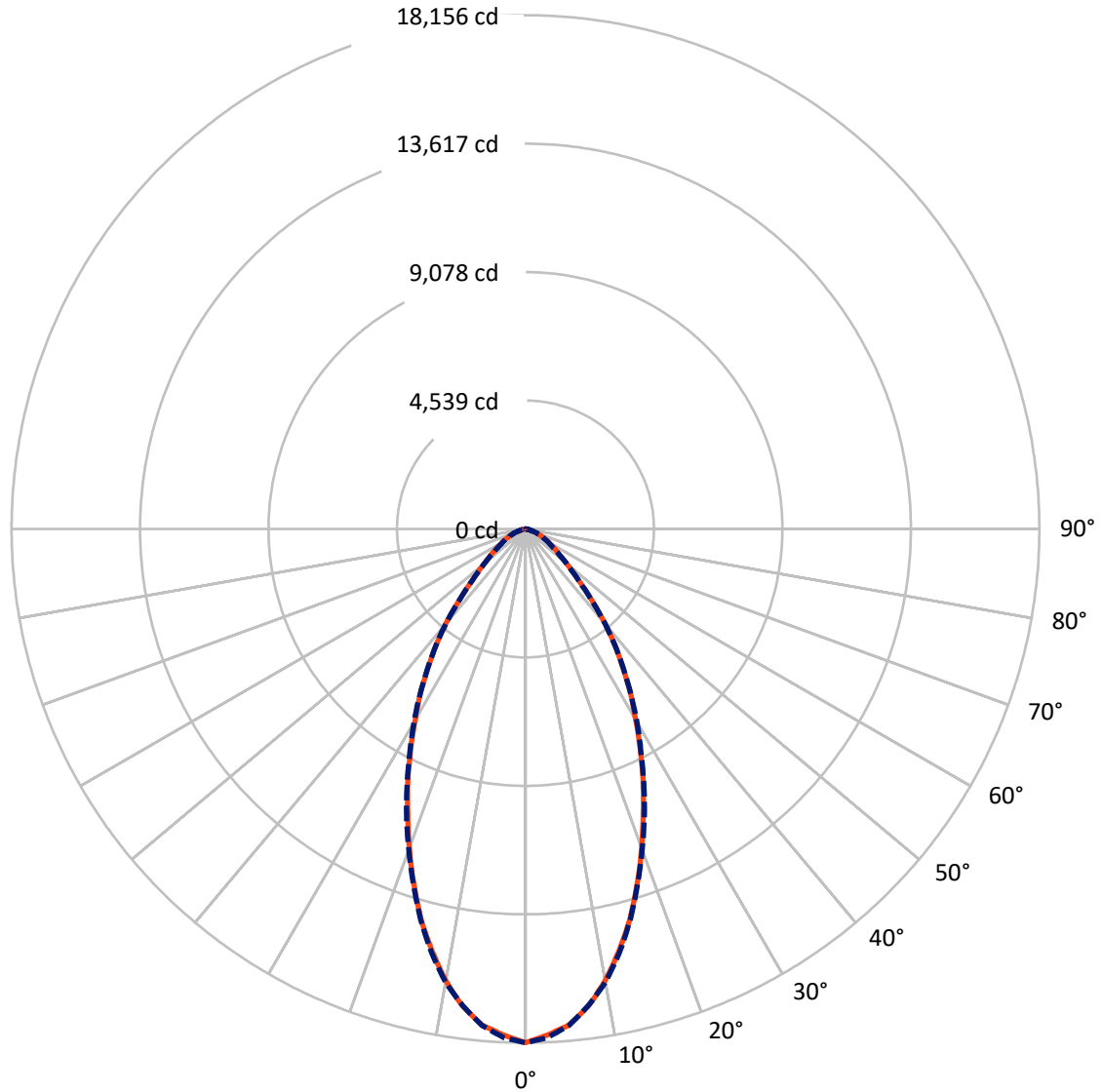
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Lumen Table

90															90				
80	0.7	5.1		11.6		19.3		16.6		19.3		11.6		5.1		0.7			
70															70				
60	2.4	2.8	5.3	8.5	12.3	16.0	18.8	20.1	20.1	18.8	16.0	12.3	8.5	5.3	2.8	2.4			
50		4.0	8.0	13.9	21.3	29.3	36.5	40.7	40.7	36.5	29.3	21.3	13.9	8.0	4.0				
40	3.5	5.1	11.1	20.7	34.9	53.6	73.9	87.5	87.5	73.9	53.6	34.9	20.7	11.1	5.1	3.5			
30		6.2	14.5	30.1	58.6	104.0	151.1	179.2	179.2	151.1	104.0	58.6	30.1	14.5	6.2				
20	4.2	7.2	18.1	42.1	94.7	170.2	243.5	291.1	291.1	243.5	170.2	94.7	42.1	18.1	7.2	4.2			
10		8.0	21.2	54.6	129.2	229.8	339.3	417.4	417.4	339.3	229.8	129.2	54.6	21.2	8.0				
0	4.4	8.4	23.0	62.7	148.8	267.2	406.6	511.3	511.3	406.6	267.2	148.8	62.7	23.0	8.4	4.4			
-10		8.4	23.0	62.7	148.8	267.2	406.6	511.3	511.3	406.6	267.2	148.8	62.7	23.0	8.4				
-20	4.2	8.0	21.2	54.6	129.2	229.8	339.3	417.4	417.4	339.3	229.8	129.2	54.6	21.2	8.0	4.2			
-30		7.2	18.1	42.1	94.7	170.2	243.5	291.1	291.1	243.5	170.2	94.7	42.1	18.1	7.2				
-40	3.5	6.2	14.5	30.1	58.6	104.0	151.1	179.2	179.2	151.1	104.0	58.6	30.1	14.5	6.2	3.5			
-50		5.1	11.1	20.7	34.9	53.6	73.9	87.5	87.5	73.9	53.6	34.9	20.7	11.1	5.1				
-60	2.4	4.0	8.0	13.9	21.3	29.3	36.5	40.7	40.7	36.5	29.3	21.3	13.9	8.0	4.0	2.4			
-70		2.8	5.3	8.5	12.3	16.0	18.8	20.1	20.1	18.8	16.0	12.3	8.5	5.3	2.8				
-80															-80				
-90	0.7	5.1		11.6		19.3		16.6		19.3		11.6		5.1		0.7			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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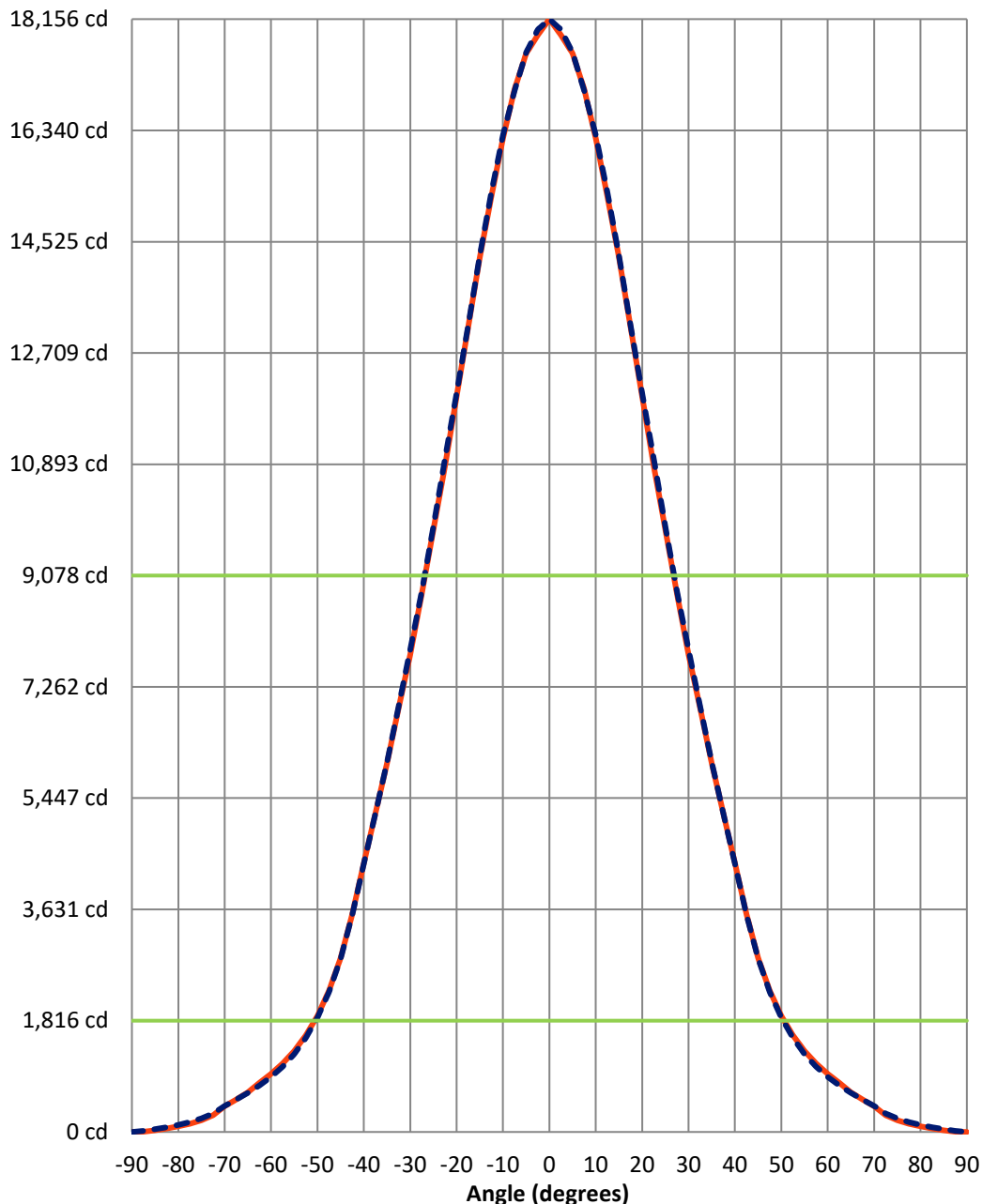
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 8835.2
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 16307.8
 Efficiency: 88.3%

Spill:
 Lumens: 2170.5
 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	0.9	2.1	3.5	5.0	6.7	8.6	9.6	10.3	10.9	11.4
85°	0.0	1.8	4.2	6.9	10.0	13.4	17.2	19.1	20.6	21.8	22.8
82.5°	0.0	2.8	6.3	10.4	15.0	20.1	25.8	28.7	31.6	36.6	41.0
80°	0.0	3.7	8.4	13.8	19.9	26.7	35.0	43.5	50.9	57.5	63.3
77.5°	0.0	4.6	10.5	17.2	24.7	34.7	50.0	60.9	70.1	78.3	86.5
75°	0.0	5.5	12.5	20.5	29.9	45.4	64.5	78.3	89.4	100.5	112.5
72.5°	0.0	6.3	14.5	23.7	37.1	55.7	78.6	95.4	108.7	122.9	138.0
70°	0.0	7.2	16.4	27.1	44.0	65.6	91.9	111.5	127.6	144.9	165.2
67.5°	0.0	8.0	18.3	31.3	50.6	75.1	103.5	127.3	146.2	167.6	192.0
65°	0.0	8.8	20.1	35.3	56.8	83.8	114.5	142.8	164.6	189.6	217.3
62.5°	0.0	9.6	21.8	39.1	62.7	91.8	124.9	157.4	182.2	210.6	241.0
60°	0.0	10.4	23.5	42.7	68.2	99.3	134.6	171.2	199.0	230.9	263.9
57.5°	0.0	11.1	25.6	46.1	73.4	106.3	143.4	183.7	216.0	250.6	284.9
55°	0.0	11.8	27.5	49.2	78.2	112.7	151.6	193.7	232.6	269.4	305.1
52.5°	0.0	12.5	29.4	52.0	82.6	118.6	159.0	204.5	248.5	287.4	324.8
50°	0.0	13.1	31.2	54.5	86.5	124.0	165.7	214.7	263.9	304.9	346.5
47.5°	0.0	13.8	32.9	56.9	90.1	128.8	172.0	223.9	279.1	321.9	367.7
45°	0.0	14.3	34.6	59.2	93.3	133.1	179.0	232.3	290.0	340.3	388.3
42.5°	0.0	14.9	36.1	61.2	96.0	136.9	185.3	240.4	300.0	358.1	409.6
40°	0.0	15.4	37.5	63.5	98.4	140.1	190.8	248.3	309.9	374.6	430.1
37.5°	0.0	15.8	38.9	65.8	100.6	142.6	195.5	255.5	320.7	387.6	449.7
35°	0.0	16.2	40.1	67.9	102.4	145.5	199.4	261.9	331.1	401.9	469.6
32.5°	0.0	16.6	41.3	69.8	103.7	148.3	203.0	267.5	340.9	416.5	490.1
30°	0.0	17.0	42.3	71.5	104.7	150.5	207.0	273.0	350.2	431.2	509.3
27.5°	0.0	17.3	43.2	73.1	106.9	152.0	210.3	279.7	360.0	445.9	527.3
25°	0.0	17.5	44.1	74.4	109.0	152.9	212.8	285.8	370.8	460.4	544.2
22.5°	0.0	17.8	44.8	75.5	110.9	154.1	214.6	291.1	381.2	473.6	562.6
20°	0.0	17.9	45.4	76.5	112.6	156.9	215.6	295.6	391.0	485.5	579.1
17.5°	0.0	18.1	45.9	77.2	113.9	159.2	218.1	299.2	400.0	496.1	593.6
15°	0.0	18.2	46.2	77.8	115.0	161.0	221.0	302.7	408.0	505.1	606.1
12.5°	0.0	18.2	46.5	78.1	115.8	162.3	223.1	305.7	414.9	512.7	616.4
10°	0.0	18.3	46.7	78.3	116.3	163.1	224.4	307.5	420.2	519.0	624.8
7.5°	0.0	18.3	46.7	78.2	116.6	163.5	224.9	307.8	424.0	523.9	631.4
5°	0.0	18.2	46.7	78.0	116.5	163.3	224.7	306.9	426.0	527.2	635.7
2.5°	0.0	18.1	46.5	77.6	116.1	162.7	223.7	304.8	426.3	528.8	637.8
0°	0.0	18.0	46.2	77.0	115.5	161.7	222.0	301.5	424.7	528.7	637.7
-2.5°	0.0	18.1	46.5	77.6	116.1	162.7	223.7	304.8	426.3	528.8	637.8
-5°	0.0	18.2	46.7	78.0	116.5	163.3	224.7	306.9	426.0	527.2	635.7
-7.5°	0.0	18.3	46.7	78.2	116.6	163.5	224.9	307.8	424.0	523.9	631.4
-10°	0.0	18.3	46.7	78.3	116.3	163.1	224.4	307.5	420.2	519.0	624.8
-12.5°	0.0	18.2	46.5	78.1	115.8	162.3	223.1	305.7	414.9	512.7	616.4
-15°	0.0	18.2	46.2	77.8	115.0	161.0	221.0	302.7	408.0	505.1	606.1
-17.5°	0.0	18.1	45.9	77.2	113.9	159.2	218.1	299.2	400.0	496.1	593.6
-20°	0.0	17.9	45.4	76.5	112.6	156.9	215.6	295.6	391.0	485.5	579.1

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Scaled Data Report



REPORT NUMBER: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-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	17.8	44.8	75.5	110.9	154.1	214.6	291.1	381.2	473.6	562.6
-25°	0.0	17.5	44.1	74.4	109.0	152.9	212.8	285.8	370.8	460.4	544.2
-27.5°	0.0	17.3	43.2	73.1	106.9	152.0	210.3	279.7	360.0	445.9	527.3
-30°	0.0	17.0	42.3	71.5	104.7	150.5	207.0	273.0	350.2	431.2	509.3
-32.5°	0.0	16.6	41.3	69.8	103.7	148.3	203.0	267.5	340.9	416.5	490.1
-35°	0.0	16.2	40.1	67.9	102.4	145.5	199.4	261.9	331.1	401.9	469.6
-37.5°	0.0	15.8	38.9	65.8	100.6	142.6	195.5	255.5	320.7	387.6	449.7
-40°	0.0	15.4	37.5	63.5	98.4	140.1	190.8	248.3	309.9	374.6	430.1
-42.5°	0.0	14.9	36.1	61.2	96.0	136.9	185.3	240.4	300.0	358.1	409.6
-45°	0.0	14.3	34.6	59.2	93.3	133.1	179.0	232.3	290.0	340.3	388.3
-47.5°	0.0	13.8	32.9	56.9	90.1	128.8	172.0	223.9	279.1	321.9	367.7
-50°	0.0	13.1	31.2	54.5	86.5	124.0	165.7	214.7	263.9	304.9	346.5
-52.5°	0.0	12.5	29.4	52.0	82.6	118.6	159.0	204.5	248.5	287.4	324.8
-55°	0.0	11.8	27.5	49.2	78.2	112.7	151.6	193.7	232.6	269.4	305.1
-57.5°	0.0	11.1	25.6	46.1	73.4	106.3	143.4	183.7	216.0	250.6	284.9
-60°	0.0	10.4	23.5	42.7	68.2	99.3	134.6	171.2	199.0	230.9	263.9
-62.5°	0.0	9.6	21.8	39.1	62.7	91.8	124.9	157.4	182.2	210.6	241.0
-65°	0.0	8.8	20.1	35.3	56.8	83.8	114.5	142.8	164.6	189.6	217.3
-67.5°	0.0	8.0	18.3	31.3	50.6	75.1	103.5	127.3	146.2	167.6	192.0
-70°	0.0	7.2	16.4	27.1	44.0	65.6	91.9	111.5	127.6	144.9	165.2
-72.5°	0.0	6.3	14.5	23.7	37.1	55.7	78.6	95.4	108.7	122.9	138.0
-75°	0.0	5.5	12.5	20.5	29.9	45.4	64.5	78.3	89.4	100.5	112.5
-77.5°	0.0	4.6	10.5	17.2	24.7	34.7	50.0	60.9	70.1	78.3	86.5
-80°	0.0	3.7	8.4	13.8	19.9	26.7	35.0	43.5	50.9	57.5	63.3
-82.5°	0.0	2.8	6.3	10.4	15.0	20.1	25.8	28.7	31.6	36.6	41.0
-85°	0.0	1.8	4.2	6.9	10.0	13.4	17.2	19.1	20.6	21.8	22.8
-87.5°	0.0	0.9	2.1	3.5	5.0	6.7	8.6	9.6	10.3	10.9	11.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	11.5	11.5	11.4	11.0	10.5	9.9	9.1	8.1	8.5	8.8	9.1
85°	23.1	23.1	25.0	26.8	27.6	27.7	27.2	26.0	29.4	33.3	37.4
82.5°	45.2	49.1	52.8	56.3	56.7	55.7	54.0	52.0	58.9	67.2	75.8
80°	69.3	75.0	81.7	87.9	89.4	88.7	86.8	83.6	92.7	105.5	119.3
77.5°	96.1	105.3	113.8	121.7	124.0	123.6	122.2	119.7	131.2	148.9	167.3
75°	124.4	135.5	146.5	156.2	160.3	160.7	160.2	163.0	178.1	198.8	217.1
72.5°	153.9	168.1	180.5	191.1	197.8	202.9	209.6	217.8	233.1	253.5	271.5
70°	185.1	200.8	213.9	225.7	235.9	247.0	261.2	275.3	291.4	311.8	330.4
67.5°	216.0	231.9	246.7	261.2	279.7	297.5	315.1	333.5	353.9	375.2	394.1
65°	244.5	262.5	280.5	301.6	325.7	345.9	367.7	391.6	418.2	442.2	464.1
62.5°	271.9	292.2	314.5	340.0	366.1	391.3	420.5	451.3	482.4	512.6	542.5
60°	295.1	320.3	347.4	376.2	406.3	440.6	474.9	511.5	548.6	584.9	622.0
57.5°	317.3	348.5	379.7	413.3	450.8	490.1	531.2	572.4	616.9	660.8	702.8
55°	340.4	377.2	412.7	452.4	495.5	541.6	588.0	638.0	687.1	742.4	793.4
52.5°	365.1	405.1	446.8	492.3	542.6	594.5	649.0	706.3	767.4	828.9	891.3
50°	389.1	434.3	480.7	535.1	591.3	650.6	713.6	780.3	851.5	922.7	998.1
47.5°	414.3	462.4	519.2	578.2	642.6	710.2	781.5	860.8	939.9	1029.6	1116.1
45°	439.1	494.5	556.0	624.6	695.4	771.5	856.2	943.4	1044.3	1145.6	1259.3
42.5°	462.9	526.8	596.3	669.6	750.1	837.5	931.3	1041.0	1154.8	1280.1	1413.6
40°	490.3	557.7	635.9	717.9	805.1	905.1	1018.0	1139.7	1278.5	1427.0	1578.6
37.5°	516.8	592.5	675.0	764.0	865.2	977.8	1102.5	1251.6	1411.8	1580.6	1786.9
35°	541.7	625.7	715.4	812.8	922.4	1052.9	1202.0	1366.8	1551.4	1769.0	2009.7
32.5°	568.1	657.1	753.4	862.7	986.8	1129.3	1298.6	1492.6	1711.1	1958.9	2260.2
30°	594.8	689.4	791.2	909.5	1047.5	1212.5	1404.8	1619.2	1870.5	2181.4	2535.0
27.5°	619.4	719.6	831.1	959.0	1106.6	1289.1	1506.8	1758.2	2054.3	2405.6	2818.6
25°	642.1	747.0	867.8	1006.2	1171.7	1371.9	1607.9	1886.3	2238.1	2657.0	3165.2
22.5°	663.6	772.1	900.9	1048.6	1230.3	1452.0	1717.7	2036.2	2425.1	2895.2	3504.6
20°	683.9	799.2	933.9	1089.2	1282.8	1524.3	1818.6	2176.2	2618.7	3175.2	3837.5
17.5°	701.6	823.1	965.0	1133.1	1341.2	1597.8	1913.7	2299.7	2791.0	3425.3	4144.7
15°	716.9	843.7	992.0	1171.1	1393.8	1670.8	2013.6	2435.2	2970.8	3652.7	4414.4
12.5°	729.6	861.0	1014.6	1203.1	1438.0	1732.6	2098.9	2555.9	3145.9	3866.9	4651.2
10°	739.8	874.8	1032.9	1228.9	1473.6	1782.8	2169.2	2654.7	3291.5	4050.5	4851.5
7.5°	748.3	885.6	1046.8	1248.5	1500.6	1821.1	2223.9	2730.9	3405.4	4195.9	5005.2
5°	754.3	893.4	1057.4	1262.2	1520.4	1847.8	2262.1	2784.2	3486.4	4301.2	5110.3
2.5°	757.7	897.6	1063.5	1269.5	1532.5	1863.0	2282.2	2817.7	3530.9	4361.4	5173.8
0°	758.4	898.2	1065.0	1270.4	1536.0	1865.8	2285.4	2828.1	3540.3	4376.9	5196.9
-2.5°	757.7	897.6	1063.5	1269.5	1532.5	1863.0	2282.2	2817.7	3530.9	4361.4	5173.8
-5°	754.3	893.4	1057.4	1262.2	1520.4	1847.8	2262.1	2784.2	3486.4	4301.2	5110.3
-7.5°	748.3	885.6	1046.8	1248.5	1500.6	1821.1	2223.9	2730.9	3405.4	4195.9	5005.2
-10°	739.8	874.8	1032.9	1228.9	1473.6	1782.8	2169.2	2654.7	3291.5	4050.5	4851.5
-12.5°	729.6	861.0	1014.6	1203.1	1438.0	1732.6	2098.9	2555.9	3145.9	3866.9	4651.2
-15°	716.9	843.7	992.0	1171.1	1393.8	1670.8	2013.6	2435.2	2970.8	3652.7	4414.4
-17.5°	701.6	823.1	965.0	1133.1	1341.2	1597.8	1913.7	2299.7	2791.0	3425.3	4144.7
-20°	683.9	799.2	933.9	1089.2	1282.8	1524.3	1818.6	2176.2	2618.7	3175.2	3837.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-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°	663.6	772.1	900.9	1048.6	1230.3	1452.0	1717.7	2036.2	2425.1	2895.2	3504.6
-25°	642.1	747.0	867.8	1006.2	1171.7	1371.9	1607.9	1886.3	2238.1	2657.0	3165.2
-27.5°	619.4	719.6	831.1	959.0	1106.6	1289.1	1506.8	1758.2	2054.3	2405.6	2818.6
-30°	594.8	689.4	791.2	909.5	1047.5	1212.5	1404.8	1619.2	1870.5	2181.4	2535.0
-32.5°	568.1	657.1	753.4	862.7	986.8	1129.3	1298.6	1492.6	1711.1	1958.9	2260.2
-35°	541.7	625.7	715.4	812.8	922.4	1052.9	1202.0	1366.8	1551.4	1769.0	2009.7
-37.5°	516.8	592.5	675.0	764.0	865.2	977.8	1102.5	1251.6	1411.8	1580.6	1786.9
-40°	490.3	557.7	635.9	717.9	805.1	905.1	1018.0	1139.7	1278.5	1427.0	1578.6
-42.5°	462.9	526.8	596.3	669.6	750.1	837.5	931.3	1041.0	1154.8	1280.1	1413.6
-45°	439.1	494.5	556.0	624.6	695.4	771.5	856.2	943.4	1044.3	1145.6	1259.3
-47.5°	414.3	462.4	519.2	578.2	642.6	710.2	781.5	860.8	939.9	1029.6	1116.1
-50°	389.1	434.3	480.7	535.1	591.3	650.6	713.6	780.3	851.5	922.7	998.1
-52.5°	365.1	405.1	446.8	492.3	542.6	594.5	649.0	706.3	767.4	828.9	891.3
-55°	340.4	377.2	412.7	452.4	495.5	541.6	588.0	638.0	687.1	742.4	793.4
-57.5°	317.3	348.5	379.7	413.3	450.8	490.1	531.2	572.4	616.9	660.8	702.8
-60°	295.1	320.3	347.4	376.2	406.3	440.6	474.9	511.5	548.6	584.9	622.0
-62.5°	271.9	292.2	314.5	340.0	366.1	391.3	420.5	451.3	482.4	512.6	542.5
-65°	244.5	262.5	280.5	301.6	325.7	345.9	367.7	391.6	418.2	442.2	464.1
-67.5°	216.0	231.9	246.7	261.2	279.7	297.5	315.1	333.5	353.9	375.2	394.1
-70°	185.1	200.8	213.9	225.7	235.9	247.0	261.2	275.3	291.4	311.8	330.4
-72.5°	153.9	168.1	180.5	191.1	197.8	202.9	209.6	217.8	233.1	253.5	271.5
-75°	124.4	135.5	146.5	156.2	160.3	160.7	160.2	163.0	178.1	198.8	217.1
-77.5°	96.1	105.3	113.8	121.7	124.0	123.6	122.2	119.7	131.2	148.9	167.3
-80°	69.3	75.0	81.7	87.9	89.4	88.7	86.8	83.6	92.7	105.5	119.3
-82.5°	45.2	49.1	52.8	56.3	56.7	55.7	54.0	52.0	58.9	67.2	75.8
-85°	23.1	23.1	25.0	26.8	27.6	27.7	27.2	26.0	29.4	33.3	37.4
-87.5°	11.5	11.5	11.4	11.0	10.5	9.9	9.1	8.1	8.5	8.8	9.1
-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: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-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°	9.4	9.2	8.9	8.5	8.2	8.0	7.8	7.7	7.4	6.9	6.3
85°	41.7	42.6	43.2	43.4	43.4	44.8	46.1	47.3	48.3	43.8	38.8
82.5°	84.9	88.9	92.3	95.8	99.3	101.6	103.4	104.7	105.5	95.5	84.3
80°	133.6	142.0	148.9	155.5	161.8	163.4	163.4	162.5	160.7	147.1	131.6
77.5°	185.8	196.7	205.4	214.0	222.5	225.6	227.1	228.3	229.0	212.1	191.3
75°	233.1	246.1	258.3	269.6	280.0	285.6	288.8	291.5	293.6	276.6	254.2
72.5°	287.1	300.9	314.1	326.6	337.6	344.9	349.7	353.7	356.7	347.1	333.1
70°	346.5	360.8	374.7	387.7	400.2	410.0	417.8	424.4	430.0	431.0	430.6
67.5°	412.4	429.2	445.8	460.0	474.8	488.7	500.9	511.1	519.2	524.5	527.5
65°	486.3	511.7	534.3	553.5	569.5	588.0	604.4	616.9	625.7	632.4	638.1
62.5°	573.5	604.3	630.1	655.7	682.0	707.7	723.6	739.7	755.4	770.2	782.8
60°	657.4	691.2	726.2	758.8	789.0	816.7	845.5	870.9	893.2	911.9	925.8
57.5°	746.9	787.9	827.7	869.1	908.1	944.4	979.9	1012.7	1041.0	1064.8	1084.3
55°	843.9	894.1	941.4	994.0	1045.0	1091.4	1134.2	1178.0	1217.5	1252.3	1279.9
52.5°	948.5	1013.9	1076.5	1138.2	1204.3	1263.8	1317.2	1377.9	1431.8	1476.4	1511.1
50°	1073.5	1150.2	1232.9	1309.4	1392.7	1474.7	1550.4	1623.6	1695.3	1757.2	1807.4
47.5°	1215.7	1310.2	1412.6	1514.1	1617.4	1729.6	1829.6	1922.6	2022.8	2109.8	2179.6
45°	1373.8	1494.3	1618.0	1760.5	1891.8	2035.9	2169.2	2289.0	2431.1	2556.3	2657.1
42.5°	1549.3	1709.8	1872.4	2051.9	2226.1	2409.1	2603.3	2775.7	2964.1	3143.8	3289.0
40°	1766.7	1958.5	2176.3	2393.7	2643.7	2878.6	3161.7	3418.9	3652.5	3866.7	4042.2
37.5°	2008.3	2255.2	2528.9	2812.0	3154.2	3489.6	3820.9	4133.6	4409.8	4644.2	4840.9
35°	2282.6	2596.4	2927.9	3341.1	3742.0	4143.7	4517.9	4859.7	5160.1	5424.6	5649.6
32.5°	2598.2	2974.7	3438.8	3903.0	4360.3	4802.5	5213.4	5586.2	5915.7	6212.7	6471.3
30°	2929.9	3443.7	3964.5	4473.8	4973.2	5457.7	5908.5	6319.3	6691.5	7022.1	7320.1
27.5°	3351.4	3920.8	4488.8	5037.8	5587.2	6117.4	6606.1	7062.3	7489.4	7863.1	8203.7
25°	3759.2	4388.2	4991.9	5590.6	6188.7	6757.9	7304.2	7819.6	8308.7	8737.6	9117.9
22.5°	4166.8	4825.2	5470.4	6114.1	6756.5	7391.1	8004.6	8595.0	9142.0	9630.4	10058.4
20°	4544.4	5232.7	5922.6	6616.5	7312.9	8007.5	8696.6	9361.0	9970.3	10534.2	11029.7
17.5°	4882.9	5614.9	6346.4	7088.6	7843.5	8597.6	9363.1	10107.9	10804.5	11446.1	12020.9
15°	5182.7	5946.5	6732.1	7533.0	8343.6	9162.6	9997.9	10831.2	11615.4	12344.1	12985.8
12.5°	5444.8	6238.8	7062.2	7913.2	8793.1	9685.3	10596.8	11510.3	12378.5	13219.7	13912.6
10°	5661.0	6487.5	7348.1	8242.3	9170.1	10130.4	11108.3	12091.7	13048.2	13940.6	14732.9
7.5°	5828.0	6685.5	7572.3	8502.2	9475.8	10488.4	11524.3	12567.8	13588.5	14550.1	15426.8
5°	5945.9	6829.6	7727.5	8694.9	9702.2	10751.6	11828.3	12915.7	13982.7	14993.8	15902.4
2.5°	6014.2	6916.1	7817.9	8812.0	9836.9	10910.9	12016.8	13122.0	14217.2	15265.9	16199.7
0°	6032.3	6942.0	7869.8	8824.5	9879.2	10985.4	12051.7	13160.4	14298.5	15332.8	16263.1
-2.5°	6014.2	6916.1	7817.9	8812.0	9836.9	10910.9	12016.8	13122.0	14217.2	15265.9	16199.7
-5°	5945.9	6829.6	7727.5	8694.9	9702.2	10751.6	11828.3	12915.7	13982.7	14993.8	15902.4
-7.5°	5828.0	6685.5	7572.3	8502.2	9475.8	10488.4	11524.3	12567.8	13588.5	14550.1	15426.8
-10°	5661.0	6487.5	7348.1	8242.3	9170.1	10130.4	11108.3	12091.7	13048.2	13940.6	14732.9
-12.5°	5444.8	6238.8	7062.2	7913.2	8793.1	9685.3	10596.8	11510.3	12378.5	13219.7	13912.6
-15°	5182.7	5946.5	6732.1	7533.0	8343.6	9162.6	9997.9	10831.2	11615.4	12344.1	12985.8
-17.5°	4882.9	5614.9	6346.4	7088.6	7843.5	8597.6	9363.1	10107.9	10804.5	11446.1	12020.9
-20°	4544.4	5232.7	5922.6	6616.5	7312.9	8007.5	8696.6	9361.0	9970.3	10534.2	11029.7



REPORT NUMBER: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4166.8	4825.2	5470.4	6114.1	6756.5	7391.1	8004.6	8595.0	9142.0	9630.4	10058.4
-25°	3759.2	4388.2	4991.9	5590.6	6188.7	6757.9	7304.2	7819.6	8308.7	8737.6	9117.9
-27.5°	3351.4	3920.8	4488.8	5037.8	5587.2	6117.4	6606.1	7062.3	7489.4	7863.1	8203.7
-30°	2929.9	3443.7	3964.5	4473.8	4973.2	5457.7	5908.5	6319.3	6691.5	7022.1	7320.1
-32.5°	2598.2	2974.7	3438.8	3903.0	4360.3	4802.5	5213.4	5586.2	5915.7	6212.7	6471.3
-35°	2282.6	2596.4	2927.9	3341.1	3742.0	4143.7	4517.9	4859.7	5160.1	5424.6	5649.6
-37.5°	2008.3	2255.2	2528.9	2812.0	3154.2	3489.6	3820.9	4133.6	4409.8	4644.2	4840.9
-40°	1766.7	1958.5	2176.3	2393.7	2643.7	2878.6	3161.7	3418.9	3652.5	3866.7	4042.2
-42.5°	1549.3	1709.8	1872.4	2051.9	2226.1	2409.1	2603.3	2775.7	2964.1	3143.8	3289.0
-45°	1373.8	1494.3	1618.0	1760.5	1891.8	2035.9	2169.2	2289.0	2431.1	2556.3	2657.1
-47.5°	1215.7	1310.2	1412.6	1514.1	1617.4	1729.6	1829.6	1922.6	2022.8	2109.8	2179.6
-50°	1073.5	1150.2	1232.9	1309.4	1392.7	1474.7	1550.4	1623.6	1695.3	1757.2	1807.4
-52.5°	948.5	1013.9	1076.5	1138.2	1204.3	1263.8	1317.2	1377.9	1431.8	1476.4	1511.1
-55°	843.9	894.1	941.4	994.0	1045.0	1091.4	1134.2	1178.0	1217.5	1252.3	1279.9
-57.5°	746.9	787.9	827.7	869.1	908.1	944.4	979.9	1012.7	1041.0	1064.8	1084.3
-60°	657.4	691.2	726.2	758.8	789.0	816.7	845.5	870.9	893.2	911.9	925.8
-62.5°	573.5	604.3	630.1	655.7	682.0	707.7	723.6	739.7	755.4	770.2	782.8
-65°	486.3	511.7	534.3	553.5	569.5	588.0	604.4	616.9	625.7	632.4	638.1
-67.5°	412.4	429.2	445.8	460.0	474.8	488.7	500.9	511.1	519.2	524.5	527.5
-70°	346.5	360.8	374.7	387.7	400.2	410.0	417.8	424.4	430.0	431.0	430.6
-72.5°	287.1	300.9	314.1	326.6	337.6	344.9	349.7	353.7	356.7	347.1	333.1
-75°	233.1	246.1	258.3	269.6	280.0	285.6	288.8	291.5	293.6	276.6	254.2
-77.5°	185.8	196.7	205.4	214.0	222.5	225.6	227.1	228.3	229.0	212.1	191.3
-80°	133.6	142.0	148.9	155.5	161.8	163.4	163.4	162.5	160.7	147.1	131.6
-82.5°	84.9	88.9	92.3	95.8	99.3	101.6	103.4	104.7	105.5	95.5	84.3
-85°	41.7	42.6	43.2	43.4	43.4	44.8	46.1	47.3	48.3	43.8	38.8
-87.5°	9.4	9.2	8.9	8.5	8.2	8.0	7.8	7.7	7.4	6.9	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: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-722-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°	5.7	5.1	4.4	3.8	4.4	5.1	5.7	6.3	6.9	7.4	7.7
85°	33.6	28.1	27.5	26.9	27.5	28.1	33.6	38.8	43.8	48.3	47.3
82.5°	72.4	60.2	58.3	56.5	58.3	60.2	72.4	84.3	95.5	105.5	104.7
80°	115.4	98.7	95.5	92.4	95.5	98.7	115.4	131.6	147.1	160.7	162.5
77.5°	169.4	146.5	139.8	133.5	139.8	146.5	169.4	191.3	212.1	229.0	228.3
75°	231.0	206.9	198.8	191.2	198.8	206.9	231.0	254.2	276.6	293.6	291.5
72.5°	319.0	304.3	289.5	273.3	289.5	304.3	319.0	333.1	347.1	356.7	353.7
70°	430.1	429.0	425.3	419.6	425.3	429.0	430.1	430.6	431.0	430.0	424.4
67.5°	528.8	528.4	529.7	530.0	529.7	528.4	528.8	527.5	524.5	519.2	511.1
65°	641.6	642.9	645.5	646.7	645.5	642.9	641.6	638.1	632.4	625.7	616.9
62.5°	792.5	799.1	802.4	802.0	802.4	799.1	792.5	782.8	770.2	755.4	739.7
60°	936.2	943.0	947.2	948.3	947.2	943.0	936.2	925.8	911.9	893.2	870.9
57.5°	1099.7	1110.9	1116.8	1117.7	1116.8	1110.9	1099.7	1084.3	1064.8	1041.0	1012.7
55°	1301.0	1315.8	1322.5	1321.7	1322.5	1315.8	1301.0	1279.9	1252.3	1217.5	1178.0
52.5°	1537.4	1555.4	1568.8	1577.0	1568.8	1555.4	1537.4	1511.1	1476.4	1431.8	1377.9
50°	1845.0	1870.9	1887.3	1894.0	1887.3	1870.9	1845.0	1807.4	1757.2	1695.3	1623.6
47.5°	2230.0	2264.2	2289.6	2307.2	2289.6	2264.2	2230.0	2179.6	2109.8	2022.8	1922.6
45°	2731.5	2783.6	2819.0	2839.7	2819.0	2783.6	2731.5	2657.1	2556.3	2431.1	2289.0
42.5°	3402.4	3483.3	3532.9	3551.9	3532.9	3483.3	3402.4	3289.0	3143.8	2964.1	2775.7
40°	4180.9	4278.1	4341.9	4385.9	4341.9	4278.1	4180.9	4042.2	3866.7	3652.5	3418.9
37.5°	4991.8	5093.9	5156.0	5198.2	5156.0	5093.9	4991.8	4840.9	4644.2	4409.8	4133.6
35°	5819.2	5926.0	5984.3	6016.9	5984.3	5926.0	5819.2	5649.6	5424.6	5160.1	4859.7
32.5°	6668.5	6786.2	6849.6	6915.1	6849.6	6786.2	6668.5	6471.3	6212.7	5915.7	5586.2
30°	7555.6	7690.7	7757.0	7788.9	7757.0	7690.7	7555.6	7320.1	7022.1	6691.5	6319.3
27.5°	8478.6	8647.1	8730.0	8784.7	8730.0	8647.1	8478.6	8203.7	7863.1	7489.4	7062.3
25°	9439.1	9647.8	9742.8	9827.9	9742.8	9647.8	9439.1	9117.9	8737.6	8308.7	7819.6
22.5°	10435.6	10695.5	10805.6	10866.0	10805.6	10695.5	10435.6	10058.4	9630.4	9142.0	8595.0
20°	11458.1	11768.7	11921.7	12000.4	11921.7	11768.7	11458.1	11029.7	10534.2	9970.3	9361.0
17.5°	12503.7	12890.1	13088.0	13133.4	13088.0	12890.1	12503.7	12020.9	11446.1	10804.5	10107.9
15°	13530.2	13948.1	14182.1	14267.7	14182.1	13948.1	13530.2	12985.8	12344.1	11615.4	10831.2
12.5°	14502.3	14935.4	15215.0	15264.8	15215.0	14935.4	14502.3	13912.6	13219.7	12378.5	11510.3
10°	15383.9	15832.6	16141.4	16211.8	16141.4	15832.6	15383.9	14732.9	13940.6	13048.2	12091.7
7.5°	16121.0	16613.3	16954.4	17013.8	16954.4	16613.3	16121.0	15426.8	14550.1	13588.5	12567.8
5°	16660.3	17244.8	17524.8	17595.0	17524.8	17244.8	16660.3	15902.4	14993.8	13982.7	12915.7
2.5°	16956.1	17551.1	17940.3	17895.3	17940.3	17551.1	16956.1	16199.7	15265.9	14217.2	13122.0
0°	16989.4	17611.7	17983.8	18155.8	17983.8	17611.7	16989.4	16263.1	15332.8	14298.5	13160.4
-2.5°	16956.1	17551.1	17940.3	17895.3	17940.3	17551.1	16956.1	16199.7	15265.9	14217.2	13122.0
-5°	16660.3	17244.8	17524.8	17595.0	17524.8	17244.8	16660.3	15902.4	14993.8	13982.7	12915.7
-7.5°	16121.0	16613.3	16954.4	17013.8	16954.4	16613.3	16121.0	15426.8	14550.1	13588.5	12567.8
-10°	15383.9	15832.6	16141.4	16211.8	16141.4	15832.6	15383.9	14732.9	13940.6	13048.2	12091.7
-12.5°	14502.3	14935.4	15215.0	15264.8	15215.0	14935.4	14502.3	13912.6	13219.7	12378.5	11510.3
-15°	13530.2	13948.1	14182.1	14267.7	14182.1	13948.1	13530.2	12985.8	12344.1	11615.4	10831.2
-17.5°	12503.7	12890.1	13088.0	13133.4	13088.0	12890.1	12503.7	12020.9	11446.1	10804.5	10107.9
-20°	11458.1	11768.7	11921.7	12000.4	11921.7	11768.7	11458.1	11029.7	10534.2	9970.3	9361.0



REPORT NUMBER: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-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°	10435.6	10695.5	10805.6	10866.0	10805.6	10695.5	10435.6	10058.4	9630.4	9142.0	8595.0
-25°	9439.1	9647.8	9742.8	9827.9	9742.8	9647.8	9439.1	9117.9	8737.6	8308.7	7819.6
-27.5°	8478.6	8647.1	8730.0	8784.7	8730.0	8647.1	8478.6	8203.7	7863.1	7489.4	7062.3
-30°	7555.6	7690.7	7757.0	7788.9	7757.0	7690.7	7555.6	7320.1	7022.1	6691.5	6319.3
-32.5°	6668.5	6786.2	6849.6	6915.1	6849.6	6786.2	6668.5	6471.3	6212.7	5915.7	5586.2
-35°	5819.2	5926.0	5984.3	6016.9	5984.3	5926.0	5819.2	5649.6	5424.6	5160.1	4859.7
-37.5°	4991.8	5093.9	5156.0	5198.2	5156.0	5093.9	4991.8	4840.9	4644.2	4409.8	4133.6
-40°	4180.9	4278.1	4341.9	4385.9	4341.9	4278.1	4180.9	4042.2	3866.7	3652.5	3418.9
-42.5°	3402.4	3483.3	3532.9	3551.9	3532.9	3483.3	3402.4	3289.0	3143.8	2964.1	2775.7
-45°	2731.5	2783.6	2819.0	2839.7	2819.0	2783.6	2731.5	2657.1	2556.3	2431.1	2289.0
-47.5°	2230.0	2264.2	2289.6	2307.2	2289.6	2264.2	2230.0	2179.6	2109.8	2022.8	1922.6
-50°	1845.0	1870.9	1887.3	1894.0	1887.3	1870.9	1845.0	1807.4	1757.2	1695.3	1623.6
-52.5°	1537.4	1555.4	1568.8	1577.0	1568.8	1555.4	1537.4	1511.1	1476.4	1431.8	1377.9
-55°	1301.0	1315.8	1322.5	1321.7	1322.5	1315.8	1301.0	1279.9	1252.3	1217.5	1178.0
-57.5°	1099.7	1110.9	1116.8	1117.7	1116.8	1110.9	1099.7	1084.3	1064.8	1041.0	1012.7
-60°	936.2	943.0	947.2	948.3	947.2	943.0	936.2	925.8	911.9	893.2	870.9
-62.5°	792.5	799.1	802.4	802.0	802.4	799.1	792.5	782.8	770.2	755.4	739.7
-65°	641.6	642.9	645.5	646.7	645.5	642.9	641.6	638.1	632.4	625.7	616.9
-67.5°	528.8	528.4	529.7	530.0	529.7	528.4	528.8	527.5	524.5	519.2	511.1
-70°	430.1	429.0	425.3	419.6	425.3	429.0	430.1	430.6	431.0	430.0	424.4
-72.5°	319.0	304.3	289.5	273.3	289.5	304.3	319.0	333.1	347.1	356.7	353.7
-75°	231.0	206.9	198.8	191.2	198.8	206.9	231.0	254.2	276.6	293.6	291.5
-77.5°	169.4	146.5	139.8	133.5	139.8	146.5	169.4	191.3	212.1	229.0	228.3
-80°	115.4	98.7	95.5	92.4	95.5	98.7	115.4	131.6	147.1	160.7	162.5
-82.5°	72.4	60.2	58.3	56.5	58.3	60.2	72.4	84.3	95.5	105.5	104.7
-85°	33.6	28.1	27.5	26.9	27.5	28.1	33.6	38.8	43.8	48.3	47.3
-87.5°	5.7	5.1	4.4	3.8	4.4	5.1	5.7	6.3	6.9	7.4	7.7
-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: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-722-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°	7.8	8.0	8.2	8.5	8.9	9.2	9.4	9.1	8.8	8.5	8.1
85°	46.1	44.8	43.4	43.4	43.2	42.6	41.7	37.4	33.3	29.4	26.0
82.5°	103.4	101.6	99.3	95.8	92.3	88.9	84.9	75.8	67.2	58.9	52.0
80°	163.4	163.4	161.8	155.5	148.9	142.0	133.6	119.3	105.5	92.7	83.6
77.5°	227.1	225.6	222.5	214.0	205.4	196.7	185.8	167.3	148.9	131.2	119.7
75°	288.8	285.6	280.0	269.6	258.3	246.1	233.1	217.1	198.8	178.1	163.0
72.5°	349.7	344.9	337.6	326.6	314.1	300.9	287.1	271.5	253.5	233.1	217.8
70°	417.8	410.0	400.2	387.7	374.7	360.8	346.5	330.4	311.8	291.4	275.3
67.5°	500.9	488.7	474.8	460.0	445.8	429.2	412.4	394.1	375.2	353.9	333.5
65°	604.4	588.0	569.5	553.5	534.3	511.7	486.3	464.1	442.2	418.2	391.6
62.5°	723.6	707.7	682.0	655.7	630.1	604.3	573.5	542.5	512.6	482.4	451.3
60°	845.5	816.7	789.0	758.8	726.2	691.2	657.4	622.0	584.9	548.6	511.5
57.5°	979.9	944.4	908.1	869.1	827.7	787.9	746.9	702.8	660.8	616.9	572.4
55°	1134.2	1091.4	1045.0	994.0	941.4	894.1	843.9	793.4	742.4	687.1	638.0
52.5°	1317.2	1263.8	1204.3	1138.2	1076.5	1013.9	948.5	891.3	828.9	767.4	706.3
50°	1550.4	1474.7	1392.7	1309.4	1232.9	1150.2	1073.5	998.1	922.7	851.5	780.3
47.5°	1829.6	1729.6	1617.4	1514.1	1412.6	1310.2	1215.7	1116.1	1029.6	939.9	860.8
45°	2169.2	2035.9	1891.8	1760.5	1618.0	1494.3	1373.8	1259.3	1145.6	1044.3	943.4
42.5°	2603.3	2409.1	2226.1	2051.9	1872.4	1709.8	1549.3	1413.6	1280.1	1154.8	1041.0
40°	3161.7	2878.6	2643.7	2393.7	2176.3	1958.5	1766.7	1578.6	1427.0	1278.5	1139.7
37.5°	3820.9	3489.6	3154.2	2812.0	2528.9	2255.2	2008.3	1786.9	1580.6	1411.8	1251.6
35°	4517.9	4143.7	3742.0	3341.1	2927.9	2596.4	2282.6	2009.7	1769.0	1551.4	1366.8
32.5°	5213.4	4802.5	4360.3	3903.0	3438.8	2974.7	2598.2	2260.2	1958.9	1711.1	1492.6
30°	5908.5	5457.7	4973.2	4473.8	3964.5	3443.7	2929.9	2535.0	2181.4	1870.5	1619.2
27.5°	6606.1	6117.4	5587.2	5037.8	4488.8	3920.8	3351.4	2818.6	2405.6	2054.3	1758.2
25°	7304.2	6757.9	6188.7	5590.6	4991.9	4388.2	3759.2	3165.2	2657.0	2238.1	1886.3
22.5°	8004.6	7391.1	6756.5	6114.1	5470.4	4825.2	4166.8	3504.6	2895.2	2425.1	2036.2
20°	8696.6	8007.5	7312.9	6616.5	5922.6	5232.7	4544.4	3837.5	3175.2	2618.7	2176.2
17.5°	9363.1	8597.6	7843.5	7088.6	6346.4	5614.9	4882.9	4144.7	3425.3	2791.0	2299.7
15°	9997.9	9162.6	8343.6	7533.0	6732.1	5946.5	5182.7	4414.4	3652.7	2970.8	2435.2
12.5°	10596.8	9685.3	8793.1	7913.2	7062.2	6238.8	5444.8	4651.2	3866.9	3145.9	2555.9
10°	11108.3	10130.4	9170.1	8242.3	7348.1	6487.5	5661.0	4851.5	4050.5	3291.5	2654.7
7.5°	11524.3	10488.4	9475.8	8502.2	7572.3	6685.5	5828.0	5005.2	4195.9	3405.4	2730.9
5°	11828.3	10751.6	9702.2	8694.9	7727.5	6829.6	5945.9	5110.3	4301.2	3486.4	2784.2
2.5°	12016.8	10910.9	9836.9	8812.0	7817.9	6916.1	6014.2	5173.8	4361.4	3530.9	2817.7
0°	12051.7	10985.4	9879.2	8824.5	7869.8	6942.0	6032.3	5196.9	4376.9	3540.3	2828.1
-2.5°	12016.8	10910.9	9836.9	8812.0	7817.9	6916.1	6014.2	5173.8	4361.4	3530.9	2817.7
-5°	11828.3	10751.6	9702.2	8694.9	7727.5	6829.6	5945.9	5110.3	4301.2	3486.4	2784.2
-7.5°	11524.3	10488.4	9475.8	8502.2	7572.3	6685.5	5828.0	5005.2	4195.9	3405.4	2730.9
-10°	11108.3	10130.4	9170.1	8242.3	7348.1	6487.5	5661.0	4851.5	4050.5	3291.5	2654.7
-12.5°	10596.8	9685.3	8793.1	7913.2	7062.2	6238.8	5444.8	4651.2	3866.9	3145.9	2555.9
-15°	9997.9	9162.6	8343.6	7533.0	6732.1	5946.5	5182.7	4414.4	3652.7	2970.8	2435.2
-17.5°	9363.1	8597.6	7843.5	7088.6	6346.4	5614.9	4882.9	4144.7	3425.3	2791.0	2299.7
-20°	8696.6	8007.5	7312.9	6616.5	5922.6	5232.7	4544.4	3837.5	3175.2	2618.7	2176.2



REPORT NUMBER: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8004.6	7391.1	6756.5	6114.1	5470.4	4825.2	4166.8	3504.6	2895.2	2425.1	2036.2
-25°	7304.2	6757.9	6188.7	5590.6	4991.9	4388.2	3759.2	3165.2	2657.0	2238.1	1886.3
-27.5°	6606.1	6117.4	5587.2	5037.8	4488.8	3920.8	3351.4	2818.6	2405.6	2054.3	1758.2
-30°	5908.5	5457.7	4973.2	4473.8	3964.5	3443.7	2929.9	2535.0	2181.4	1870.5	1619.2
-32.5°	5213.4	4802.5	4360.3	3903.0	3438.8	2974.7	2598.2	2260.2	1958.9	1711.1	1492.6
-35°	4517.9	4143.7	3742.0	3341.1	2927.9	2596.4	2282.6	2009.7	1769.0	1551.4	1366.8
-37.5°	3820.9	3489.6	3154.2	2812.0	2528.9	2255.2	2008.3	1786.9	1580.6	1411.8	1251.6
-40°	3161.7	2878.6	2643.7	2393.7	2176.3	1958.5	1766.7	1578.6	1427.0	1278.5	1139.7
-42.5°	2603.3	2409.1	2226.1	2051.9	1872.4	1709.8	1549.3	1413.6	1280.1	1154.8	1041.0
-45°	2169.2	2035.9	1891.8	1760.5	1618.0	1494.3	1373.8	1259.3	1145.6	1044.3	943.4
-47.5°	1829.6	1729.6	1617.4	1514.1	1412.6	1310.2	1215.7	1116.1	1029.6	939.9	860.8
-50°	1550.4	1474.7	1392.7	1309.4	1232.9	1150.2	1073.5	998.1	922.7	851.5	780.3
-52.5°	1317.2	1263.8	1204.3	1138.2	1076.5	1013.9	948.5	891.3	828.9	767.4	706.3
-55°	1134.2	1091.4	1045.0	994.0	941.4	894.1	843.9	793.4	742.4	687.1	638.0
-57.5°	979.9	944.4	908.1	869.1	827.7	787.9	746.9	702.8	660.8	616.9	572.4
-60°	845.5	816.7	789.0	758.8	726.2	691.2	657.4	622.0	584.9	548.6	511.5
-62.5°	723.6	707.7	682.0	655.7	630.1	604.3	573.5	542.5	512.6	482.4	451.3
-65°	604.4	588.0	569.5	553.5	534.3	511.7	486.3	464.1	442.2	418.2	391.6
-67.5°	500.9	488.7	474.8	460.0	445.8	429.2	412.4	394.1	375.2	353.9	333.5
-70°	417.8	410.0	400.2	387.7	374.7	360.8	346.5	330.4	311.8	291.4	275.3
-72.5°	349.7	344.9	337.6	326.6	314.1	300.9	287.1	271.5	253.5	233.1	217.8
-75°	288.8	285.6	280.0	269.6	258.3	246.1	233.1	217.1	198.8	178.1	163.0
-77.5°	227.1	225.6	222.5	214.0	205.4	196.7	185.8	167.3	148.9	131.2	119.7
-80°	163.4	163.4	161.8	155.5	148.9	142.0	133.6	119.3	105.5	92.7	83.6
-82.5°	103.4	101.6	99.3	95.8	92.3	88.9	84.9	75.8	67.2	58.9	52.0
-85°	46.1	44.8	43.4	43.4	43.2	42.6	41.7	37.4	33.3	29.4	26.0
-87.5°	7.8	8.0	8.2	8.5	8.9	9.2	9.4	9.1	8.8	8.5	8.1
-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: P627373 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-722-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°	9.1	9.9	10.5	11.0	11.4	11.5	11.5	11.4	10.9	10.3	9.6
85°	27.2	27.7	27.6	26.8	25.0	23.1	23.1	22.8	21.8	20.6	19.1
82.5°	54.0	55.7	56.7	56.3	52.8	49.1	45.2	41.0	36.6	31.6	28.7
80°	86.8	88.7	89.4	87.9	81.7	75.0	69.3	63.3	57.5	50.9	43.5
77.5°	122.2	123.6	124.0	121.7	113.8	105.3	96.1	86.5	78.3	70.1	60.9
75°	160.2	160.7	160.3	156.2	146.5	135.5	124.4	112.5	100.5	89.4	78.3
72.5°	209.6	202.9	197.8	191.1	180.5	168.1	153.9	138.0	122.9	108.7	95.4
70°	261.2	247.0	235.9	225.7	213.9	200.8	185.1	165.2	144.9	127.6	111.5
67.5°	315.1	297.5	279.7	261.2	246.7	231.9	216.0	192.0	167.6	146.2	127.3
65°	367.7	345.9	325.7	301.6	280.5	262.5	244.5	217.3	189.6	164.6	142.8
62.5°	420.5	391.3	366.1	340.0	314.5	292.2	271.9	241.0	210.6	182.2	157.4
60°	474.9	440.6	406.3	376.2	347.4	320.3	295.1	263.9	230.9	199.0	171.2
57.5°	531.2	490.1	450.8	413.3	379.7	348.5	317.3	284.9	250.6	216.0	183.7
55°	588.0	541.6	495.5	452.4	412.7	377.2	340.4	305.1	269.4	232.6	193.7
52.5°	649.0	594.5	542.6	492.3	446.8	405.1	365.1	324.8	287.4	248.5	204.5
50°	713.6	650.6	591.3	535.1	480.7	434.3	389.1	346.5	304.9	263.9	214.7
47.5°	781.5	710.2	642.6	578.2	519.2	462.4	414.3	367.7	321.9	279.1	223.9
45°	856.2	771.5	695.4	624.6	556.0	494.5	439.1	388.3	340.3	290.0	232.3
42.5°	931.3	837.5	750.1	669.6	596.3	526.8	462.9	409.6	358.1	300.0	240.4
40°	1018.0	905.1	805.1	717.9	635.9	557.7	490.3	430.1	374.6	309.9	248.3
37.5°	1102.5	977.8	865.2	764.0	675.0	592.5	516.8	449.7	387.6	320.7	255.5
35°	1202.0	1052.9	922.4	812.8	715.4	625.7	541.7	469.6	401.9	331.1	261.9
32.5°	1298.6	1129.3	986.8	862.7	753.4	657.1	568.1	490.1	416.5	340.9	267.5
30°	1404.8	1212.5	1047.5	909.5	791.2	689.4	594.8	509.3	431.2	350.2	273.0
27.5°	1506.8	1289.1	1106.6	959.0	831.1	719.6	619.4	527.3	445.9	360.0	279.7
25°	1607.9	1371.9	1171.7	1006.2	867.8	747.0	642.1	544.2	460.4	370.8	285.8
22.5°	1717.7	1452.0	1230.3	1048.6	900.9	772.1	663.6	562.6	473.6	381.2	291.1
20°	1818.6	1524.3	1282.8	1089.2	933.9	799.2	683.9	579.1	485.5	391.0	295.6
17.5°	1913.7	1597.8	1341.2	1133.1	965.0	823.1	701.6	593.6	496.1	400.0	299.2
15°	2013.6	1670.8	1393.8	1171.1	992.0	843.7	716.9	606.1	505.1	408.0	302.7
12.5°	2098.9	1732.6	1438.0	1203.1	1014.6	861.0	729.6	616.4	512.7	414.9	305.7
10°	2169.2	1782.8	1473.6	1228.9	1032.9	874.8	739.8	624.8	519.0	420.2	307.5
7.5°	2223.9	1821.1	1500.6	1248.5	1046.8	885.6	748.3	631.4	523.9	424.0	307.8
5°	2262.1	1847.8	1520.4	1262.2	1057.4	893.4	754.3	635.7	527.2	426.0	306.9
2.5°	2282.2	1863.0	1532.5	1269.5	1063.5	897.6	757.7	637.8	528.8	426.3	304.8
0°	2285.4	1865.8	1536.0	1270.4	1065.0	898.2	758.4	637.7	528.7	424.7	301.5
-2.5°	2282.2	1863.0	1532.5	1269.5	1063.5	897.6	757.7	637.8	528.8	426.3	304.8
-5°	2262.1	1847.8	1520.4	1262.2	1057.4	893.4	754.3	635.7	527.2	426.0	306.9
-7.5°	2223.9	1821.1	1500.6	1248.5	1046.8	885.6	748.3	631.4	523.9	424.0	307.8
-10°	2169.2	1782.8	1473.6	1228.9	1032.9	874.8	739.8	624.8	519.0	420.2	307.5
-12.5°	2098.9	1732.6	1438.0	1203.1	1014.6	861.0	729.6	616.4	512.7	414.9	305.7
-15°	2013.6	1670.8	1393.8	1171.1	992.0	843.7	716.9	606.1	505.1	408.0	302.7
-17.5°	1913.7	1597.8	1341.2	1133.1	965.0	823.1	701.6	593.6	496.1	400.0	299.2
-20°	1818.6	1524.3	1282.8	1089.2	933.9	799.2	683.9	579.1	485.5	391.0	295.6



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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°	1717.7	1452.0	1230.3	1048.6	900.9	772.1	663.6	562.6	473.6	381.2	291.1
-25°	1607.9	1371.9	1171.7	1006.2	867.8	747.0	642.1	544.2	460.4	370.8	285.8
-27.5°	1506.8	1289.1	1106.6	959.0	831.1	719.6	619.4	527.3	445.9	360.0	279.7
-30°	1404.8	1212.5	1047.5	909.5	791.2	689.4	594.8	509.3	431.2	350.2	273.0
-32.5°	1298.6	1129.3	986.8	862.7	753.4	657.1	568.1	490.1	416.5	340.9	267.5
-35°	1202.0	1052.9	922.4	812.8	715.4	625.7	541.7	469.6	401.9	331.1	261.9
-37.5°	1102.5	977.8	865.2	764.0	675.0	592.5	516.8	449.7	387.6	320.7	255.5
-40°	1018.0	905.1	805.1	717.9	635.9	557.7	490.3	430.1	374.6	309.9	248.3
-42.5°	931.3	837.5	750.1	669.6	596.3	526.8	462.9	409.6	358.1	300.0	240.4
-45°	856.2	771.5	695.4	624.6	556.0	494.5	439.1	388.3	340.3	290.0	232.3
-47.5°	781.5	710.2	642.6	578.2	519.2	462.4	414.3	367.7	321.9	279.1	223.9
-50°	713.6	650.6	591.3	535.1	480.7	434.3	389.1	346.5	304.9	263.9	214.7
-52.5°	649.0	594.5	542.6	492.3	446.8	405.1	365.1	324.8	287.4	248.5	204.5
-55°	588.0	541.6	495.5	452.4	412.7	377.2	340.4	305.1	269.4	232.6	193.7
-57.5°	531.2	490.1	450.8	413.3	379.7	348.5	317.3	284.9	250.6	216.0	183.7
-60°	474.9	440.6	406.3	376.2	347.4	320.3	295.1	263.9	230.9	199.0	171.2
-62.5°	420.5	391.3	366.1	340.0	314.5	292.2	271.9	241.0	210.6	182.2	157.4
-65°	367.7	345.9	325.7	301.6	280.5	262.5	244.5	217.3	189.6	164.6	142.8
-67.5°	315.1	297.5	279.7	261.2	246.7	231.9	216.0	192.0	167.6	146.2	127.3
-70°	261.2	247.0	235.9	225.7	213.9	200.8	185.1	165.2	144.9	127.6	111.5
-72.5°	209.6	202.9	197.8	191.1	180.5	168.1	153.9	138.0	122.9	108.7	95.4
-75°	160.2	160.7	160.3	156.2	146.5	135.5	124.4	112.5	100.5	89.4	78.3
-77.5°	122.2	123.6	124.0	121.7	113.8	105.3	96.1	86.5	78.3	70.1	60.9
-80°	86.8	88.7	89.4	87.9	81.7	75.0	69.3	63.3	57.5	50.9	43.5
-82.5°	54.0	55.7	56.7	56.3	52.8	49.1	45.2	41.0	36.6	31.6	28.7
-85°	27.2	27.7	27.6	26.8	25.0	23.1	23.1	22.8	21.8	20.6	19.1
-87.5°	9.1	9.9	10.5	11.0	11.4	11.5	11.5	11.4	10.9	10.3	9.6
-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°	8.6	6.7	5.0	3.5	2.1	0.9	0.0
85°	17.2	13.4	10.0	6.9	4.2	1.8	0.0
82.5°	25.8	20.1	15.0	10.4	6.3	2.8	0.0
80°	35.0	26.7	19.9	13.8	8.4	3.7	0.0
77.5°	50.0	34.7	24.7	17.2	10.5	4.6	0.0
75°	64.5	45.4	29.9	20.5	12.5	5.5	0.0
72.5°	78.6	55.7	37.1	23.7	14.5	6.3	0.0
70°	91.9	65.6	44.0	27.1	16.4	7.2	0.0
67.5°	103.5	75.1	50.6	31.3	18.3	8.0	0.0
65°	114.5	83.8	56.8	35.3	20.1	8.8	0.0
62.5°	124.9	91.8	62.7	39.1	21.8	9.6	0.0
60°	134.6	99.3	68.2	42.7	23.5	10.4	0.0
57.5°	143.4	106.3	73.4	46.1	25.6	11.1	0.0
55°	151.6	112.7	78.2	49.2	27.5	11.8	0.0
52.5°	159.0	118.6	82.6	52.0	29.4	12.5	0.0
50°	165.7	124.0	86.5	54.5	31.2	13.1	0.0
47.5°	172.0	128.8	90.1	56.9	32.9	13.8	0.0
45°	179.0	133.1	93.3	59.2	34.6	14.3	0.0
42.5°	185.3	136.9	96.0	61.2	36.1	14.9	0.0
40°	190.8	140.1	98.4	63.5	37.5	15.4	0.0
37.5°	195.5	142.6	100.6	65.8	38.9	15.8	0.0
35°	199.4	145.5	102.4	67.9	40.1	16.2	0.0
32.5°	203.0	148.3	103.7	69.8	41.3	16.6	0.0
30°	207.0	150.5	104.7	71.5	42.3	17.0	0.0
27.5°	210.3	152.0	106.9	73.1	43.2	17.3	0.0
25°	212.8	152.9	109.0	74.4	44.1	17.5	0.0
22.5°	214.6	154.1	110.9	75.5	44.8	17.8	0.0
20°	215.6	156.9	112.6	76.5	45.4	17.9	0.0
17.5°	218.1	159.2	113.9	77.2	45.9	18.1	0.0
15°	221.0	161.0	115.0	77.8	46.2	18.2	0.0
12.5°	223.1	162.3	115.8	78.1	46.5	18.2	0.0
10°	224.4	163.1	116.3	78.3	46.7	18.3	0.0
7.5°	224.9	163.5	116.6	78.2	46.7	18.3	0.0
5°	224.7	163.3	116.5	78.0	46.7	18.2	0.0
2.5°	223.7	162.7	116.1	77.6	46.5	18.1	0.0
0°	222.0	161.7	115.5	77.0	46.2	18.0	0.0
-2.5°	223.7	162.7	116.1	77.6	46.5	18.1	0.0
-5°	224.7	163.3	116.5	78.0	46.7	18.2	0.0
-7.5°	224.9	163.5	116.6	78.2	46.7	18.3	0.0
-10°	224.4	163.1	116.3	78.3	46.7	18.3	0.0
-12.5°	223.1	162.3	115.8	78.1	46.5	18.2	0.0
-15°	221.0	161.0	115.0	77.8	46.2	18.2	0.0
-17.5°	218.1	159.2	113.9	77.2	45.9	18.1	0.0
-20°	215.6	156.9	112.6	76.5	45.4	17.9	0.0

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CATALOG NUMBER: GFLD-SA4C-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	214.6	154.1	110.9	75.5	44.8	17.8	0.0
-25°	212.8	152.9	109.0	74.4	44.1	17.5	0.0
-27.5°	210.3	152.0	106.9	73.1	43.2	17.3	0.0
-30°	207.0	150.5	104.7	71.5	42.3	17.0	0.0
-32.5°	203.0	148.3	103.7	69.8	41.3	16.6	0.0
-35°	199.4	145.5	102.4	67.9	40.1	16.2	0.0
-37.5°	195.5	142.6	100.6	65.8	38.9	15.8	0.0
-40°	190.8	140.1	98.4	63.5	37.5	15.4	0.0
-42.5°	185.3	136.9	96.0	61.2	36.1	14.9	0.0
-45°	179.0	133.1	93.3	59.2	34.6	14.3	0.0
-47.5°	172.0	128.8	90.1	56.9	32.9	13.8	0.0
-50°	165.7	124.0	86.5	54.5	31.2	13.1	0.0
-52.5°	159.0	118.6	82.6	52.0	29.4	12.5	0.0
-55°	151.6	112.7	78.2	49.2	27.5	11.8	0.0
-57.5°	143.4	106.3	73.4	46.1	25.6	11.1	0.0
-60°	134.6	99.3	68.2	42.7	23.5	10.4	0.0
-62.5°	124.9	91.8	62.7	39.1	21.8	9.6	0.0
-65°	114.5	83.8	56.8	35.3	20.1	8.8	0.0
-67.5°	103.5	75.1	50.6	31.3	18.3	8.0	0.0
-70°	91.9	65.6	44.0	27.1	16.4	7.2	0.0
-72.5°	78.6	55.7	37.1	23.7	14.5	6.3	0.0
-75°	64.5	45.4	29.9	20.5	12.5	5.5	0.0
-77.5°	50.0	34.7	24.7	17.2	10.5	4.6	0.0
-80°	35.0	26.7	19.9	13.8	8.4	3.7	0.0
-82.5°	25.8	20.1	15.0	10.4	6.3	2.8	0.0
-85°	17.2	13.4	10.0	6.9	4.2	1.8	0.0
-87.5°	8.6	6.7	5.0	3.5	2.1	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)