

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: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-740-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N125
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

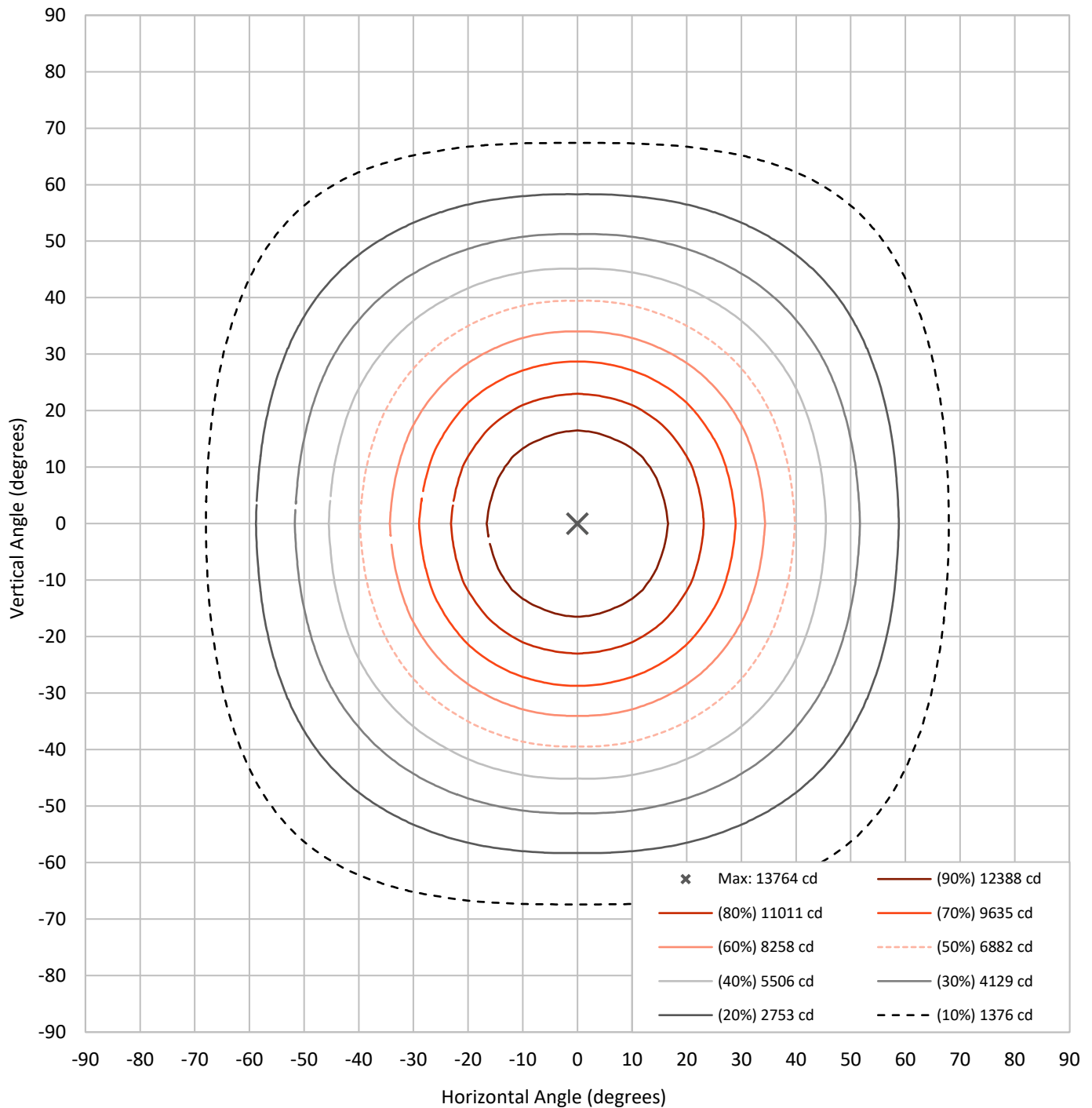
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	24877.3 lumens	Max Intensity:	13764 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	156.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	14590.6 lumens	Field Lumens:	23716.2 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





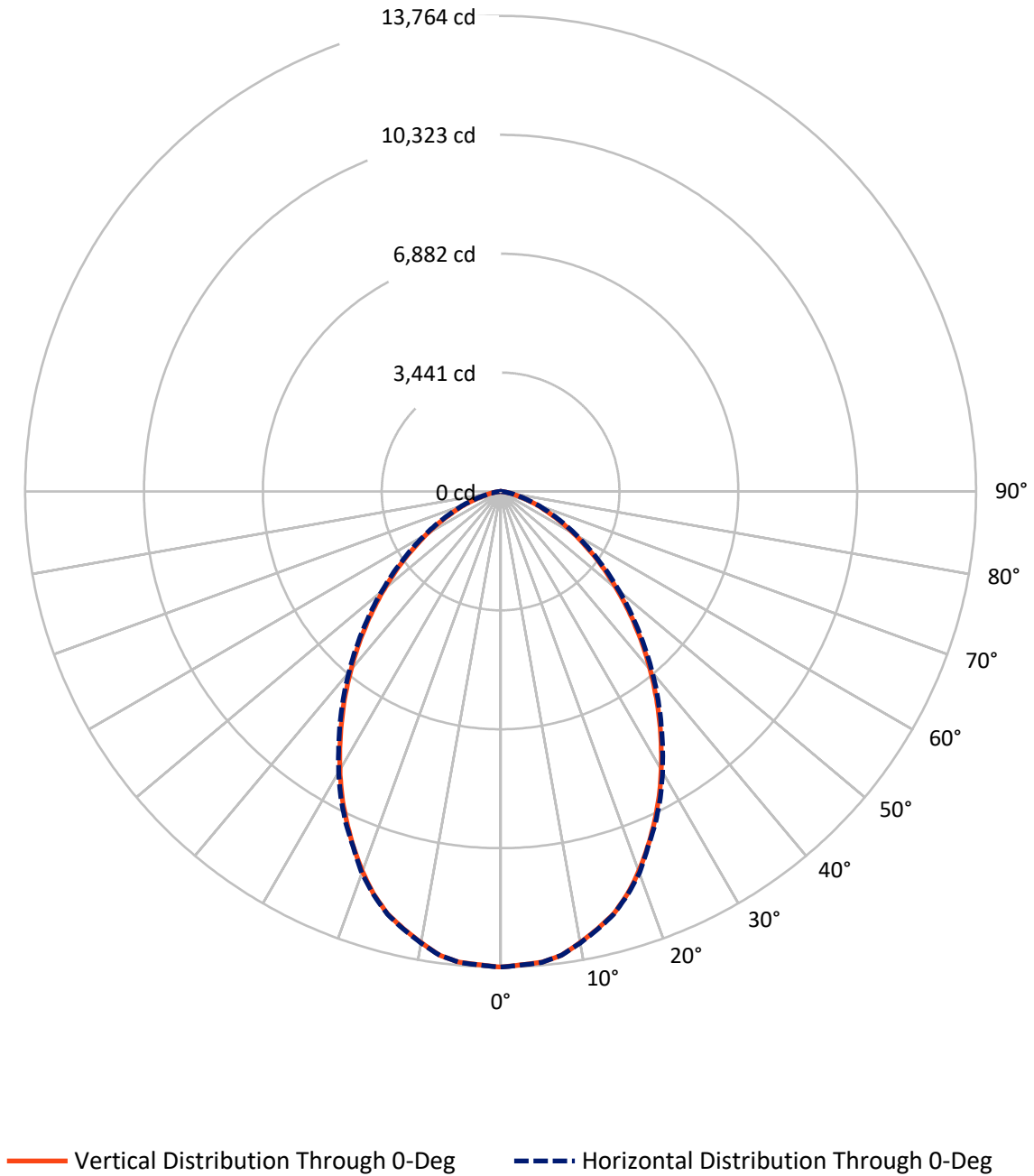
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Lumen Table

90																			
80	0.8	10.2	27.8	47.1	44.4	47.1	27.8	10.2	0.8										
70																			
60	4.6	6.4	12.9	21.9	32.1	41.5	48.5	51.9	51.9	48.5	41.5	32.1	21.9	12.9	6.4				4.6
50																			
40	8.1	9.6	20.9	37.3	56.5	76.8	93.5	102.2	102.2	93.5	76.8	56.5	37.3	20.9	9.6				8.1
30																			
20	10.5	12.9	30.2	55.8	88.5	122.7	151.3	166.9	166.9	151.3	122.7	88.5	55.8	30.2	12.9				10.5
10																			
0	11.4	16.3	40.1	76.9	123.9	173.7	216.2	240.4	240.4	216.2	173.7	123.9	76.9	40.1	16.3				11.4
-10																			
-20	10.5	19.5	49.3	96.7	157.7	223.9	281.6	314.7	314.7	281.6	223.9	157.7	96.7	49.3	19.5				10.5
-30																			
-40	8.1	21.9	56.4	111.5	184.1	264.6	335.6	375.9	375.9	335.6	264.6	184.1	111.5	56.4	21.9				8.1
-50																			
-60	4.6	23.3	60.4	119.9	198.8	287.1	364.7	407.2	407.2	364.7	287.1	198.8	119.9	60.4	23.3				4.6
-70																			
-80	0.8	23.3	60.4	119.9	198.8	287.1	364.7	407.2	407.2	364.7	287.1	198.8	119.9	60.4	23.3				0.8
-90																			

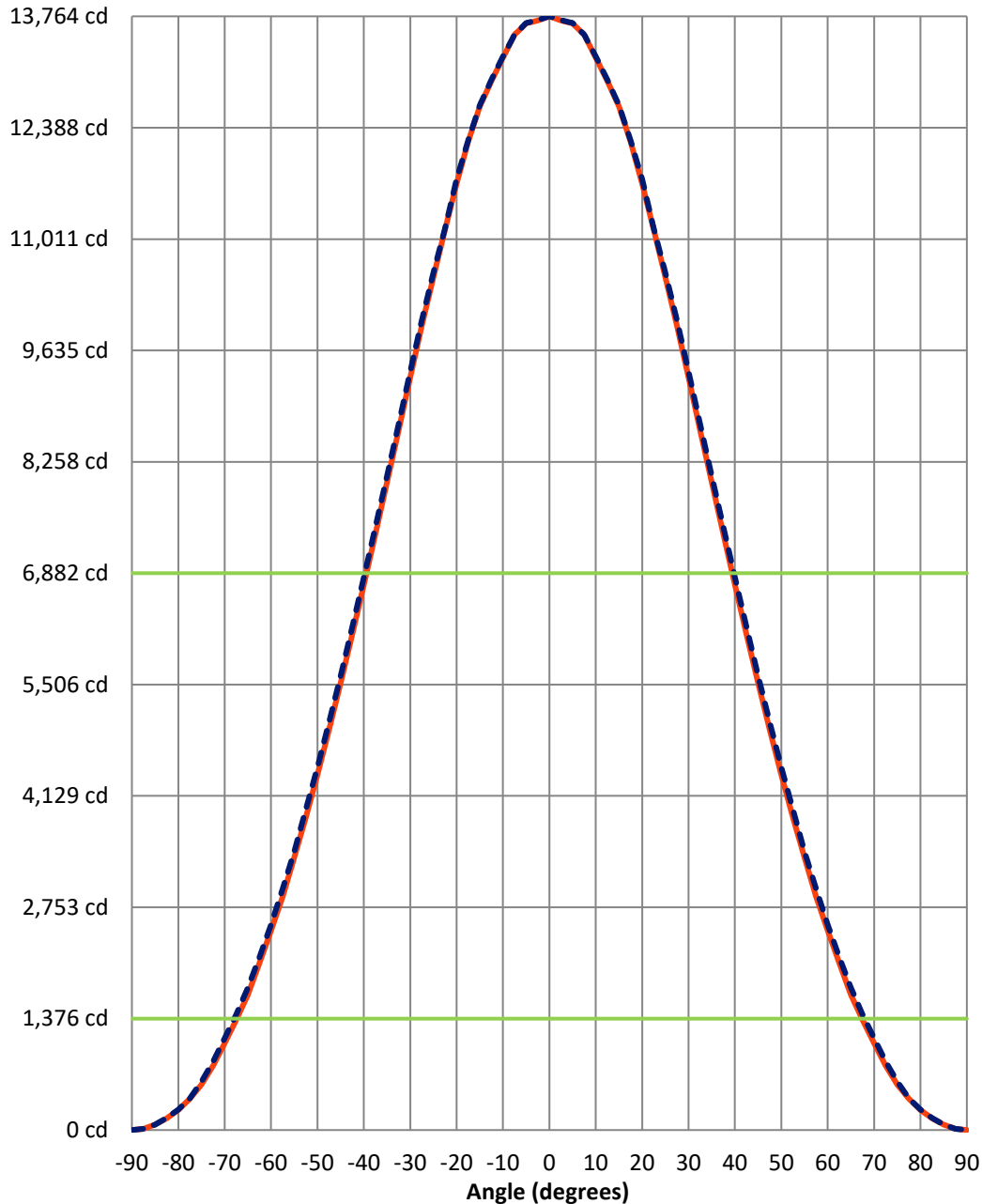
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 14590.6
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 23716.2
 Efficiency: 95.3%

Spill:
 Lumens: 1161
 Efficiency: 4.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.8	1.8	2.7	3.6	4.5	5.3	6.2	7.0	7.9	8.7
85°	0.0	1.6	3.6	5.4	7.1	8.9	10.7	12.4	14.1	15.7	17.4
82.5°	0.0	2.4	5.4	8.0	10.7	13.3	16.0	18.5	23.2	36.5	49.3
80°	0.0	3.1	7.1	10.7	14.2	17.7	24.0	42.8	60.8	78.2	94.8
77.5°	0.0	3.9	8.9	13.3	17.7	27.8	52.3	76.0	98.2	119.6	146.0
75°	0.0	4.6	10.6	16.0	23.1	48.2	80.0	109.0	136.8	175.0	215.5
72.5°	0.0	5.4	12.2	18.5	36.9	68.0	106.8	144.4	188.0	234.5	283.8
70°	0.0	6.1	13.9	22.2	50.2	87.0	133.6	186.9	238.3	293.0	357.0
67.5°	0.0	6.8	15.5	30.4	63.0	105.3	165.7	228.5	287.4	356.5	429.9
65°	0.0	7.5	17.0	38.4	75.2	125.8	196.5	268.9	340.4	418.2	498.1
62.5°	0.0	8.2	18.5	45.9	86.8	148.2	225.7	311.0	391.7	477.1	559.2
60°	0.0	8.9	19.9	53.1	97.7	169.4	253.2	352.9	441.1	532.2	619.3
57.5°	0.0	9.5	23.9	59.8	112.2	189.3	282.1	392.0	489.7	586.4	676.4
55°	0.0	10.1	27.8	66.0	126.0	207.8	309.6	425.7	537.6	638.8	731.1
52.5°	0.0	10.7	31.6	71.8	138.9	225.4	335.0	460.7	584.4	686.9	784.5
50°	0.0	11.2	35.2	77.1	150.7	244.0	358.2	494.0	628.8	733.7	845.6
47.5°	0.0	11.7	38.7	82.6	161.5	261.1	380.1	525.0	669.0	778.9	905.6
45°	0.0	12.2	42.0	89.8	171.2	276.5	404.3	553.5	700.2	830.1	962.9
42.5°	0.0	12.7	45.1	96.3	179.8	290.1	426.6	579.8	730.2	879.1	1030.4
40°	0.0	13.1	48.0	102.9	188.4	302.1	446.7	604.6	761.3	925.0	1096.1
37.5°	0.0	13.5	50.7	109.5	197.0	312.2	464.8	628.2	796.2	968.6	1157.8
35°	0.0	13.9	53.2	115.6	204.3	324.0	480.7	650.4	830.3	1018.7	1219.9
32.5°	0.0	14.2	55.6	121.2	210.5	335.8	495.5	671.1	863.4	1066.9	1285.7
30°	0.0	14.5	57.7	126.4	215.4	345.9	510.8	691.9	895.3	1113.0	1347.3
27.5°	0.0	14.8	59.6	131.1	222.8	354.3	524.6	716.0	928.1	1156.7	1404.3
25°	0.0	15.0	61.4	135.2	229.7	360.9	536.7	738.5	962.3	1201.2	1457.1
22.5°	0.0	15.2	62.9	138.9	235.8	367.5	547.0	759.0	993.8	1243.3	1513.3
20°	0.0	15.4	64.2	142.1	241.0	376.7	555.6	777.5	1022.4	1280.9	1563.7
17.5°	0.0	15.5	65.3	144.8	245.4	384.1	566.3	793.8	1047.8	1314.0	1608.2
15°	0.0	15.6	66.2	147.0	249.0	390.0	577.5	809.3	1070.0	1342.3	1646.5
12.5°	0.0	15.7	66.8	148.6	251.7	394.1	586.5	823.9	1090.0	1365.8	1678.6
10°	0.0	15.7	67.3	149.8	253.6	396.7	593.4	835.1	1107.3	1387.9	1705.7
7.5°	0.0	15.7	67.6	150.5	254.6	397.8	598.1	843.0	1120.6	1405.7	1729.0
5°	0.0	15.7	67.6	150.7	254.8	397.3	600.5	847.4	1129.8	1418.5	1745.8
2.5°	0.0	15.6	67.5	150.4	254.2	395.4	600.7	848.5	1134.6	1426.4	1755.8
0°	0.0	15.5	67.1	149.6	252.8	392.1	598.4	846.1	1135.0	1429.0	1759.2
-2.5°	0.0	15.6	67.5	150.4	254.2	395.4	600.7	848.5	1134.6	1426.4	1755.8
-5°	0.0	15.7	67.6	150.7	254.8	397.3	600.5	847.4	1129.8	1418.5	1745.8
-7.5°	0.0	15.7	67.6	150.5	254.6	397.8	598.1	843.0	1120.6	1405.7	1729.0
-10°	0.0	15.7	67.3	149.8	253.6	396.7	593.4	835.1	1107.3	1387.9	1705.7
-12.5°	0.0	15.7	66.8	148.6	251.7	394.1	586.5	823.9	1090.0	1365.8	1678.6
-15°	0.0	15.6	66.2	147.0	249.0	390.0	577.5	809.3	1070.0	1342.3	1646.5
-17.5°	0.0	15.5	65.3	144.8	245.4	384.1	566.3	793.8	1047.8	1314.0	1608.2
-20°	0.0	15.4	64.2	142.1	241.0	376.7	555.6	777.5	1022.4	1280.9	1563.7

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.2	62.9	138.9	235.8	367.5	547.0	759.0	993.8	1243.3	1513.3
-25°	0.0	15.0	61.4	135.2	229.7	360.9	536.7	738.5	962.3	1201.2	1457.1
-27.5°	0.0	14.8	59.6	131.1	222.8	354.3	524.6	716.0	928.1	1156.7	1404.3
-30°	0.0	14.5	57.7	126.4	215.4	345.9	510.8	691.9	895.3	1113.0	1347.3
-32.5°	0.0	14.2	55.6	121.2	210.5	335.8	495.5	671.1	863.4	1066.9	1285.7
-35°	0.0	13.9	53.2	115.6	204.3	324.0	480.7	650.4	830.3	1018.7	1219.9
-37.5°	0.0	13.5	50.7	109.5	197.0	312.2	464.8	628.2	796.2	968.6	1157.8
-40°	0.0	13.1	48.0	102.9	188.4	302.1	446.7	604.6	761.3	925.0	1096.1
-42.5°	0.0	12.7	45.1	96.3	179.8	290.1	426.6	579.8	730.2	879.1	1030.4
-45°	0.0	12.2	42.0	89.8	171.2	276.5	404.3	553.5	700.2	830.1	962.9
-47.5°	0.0	11.7	38.7	82.6	161.5	261.1	380.1	525.0	669.0	778.9	905.6
-50°	0.0	11.2	35.2	77.1	150.7	244.0	358.2	494.0	628.8	733.7	845.6
-52.5°	0.0	10.7	31.6	71.8	138.9	225.4	335.0	460.7	584.4	686.9	784.5
-55°	0.0	10.1	27.8	66.0	126.0	207.8	309.6	425.7	537.6	638.8	731.1
-57.5°	0.0	9.5	23.9	59.8	112.2	189.3	282.1	392.0	489.7	586.4	676.4
-60°	0.0	8.9	19.9	53.1	97.7	169.4	253.2	352.9	441.1	532.2	619.3
-62.5°	0.0	8.2	18.5	45.9	86.8	148.2	225.7	311.0	391.7	477.1	559.2
-65°	0.0	7.5	17.0	38.4	75.2	125.8	196.5	268.9	340.4	418.2	498.1
-67.5°	0.0	6.8	15.5	30.4	63.0	105.3	165.7	228.5	287.4	356.5	429.9
-70°	0.0	6.1	13.9	22.2	50.2	87.0	133.6	186.9	238.3	293.0	357.0
-72.5°	0.0	5.4	12.2	18.5	36.9	68.0	106.8	144.4	188.0	234.5	283.8
-75°	0.0	4.6	10.6	16.0	23.1	48.2	80.0	109.0	136.8	175.0	215.5
-77.5°	0.0	3.9	8.9	13.3	17.7	27.8	52.3	76.0	98.2	119.6	146.0
-80°	0.0	3.1	7.1	10.7	14.2	17.7	24.0	42.8	60.8	78.2	94.8
-82.5°	0.0	2.4	5.4	8.0	10.7	13.3	16.0	18.5	23.2	36.5	49.3
-85°	0.0	1.6	3.6	5.4	7.1	8.9	10.7	12.4	14.1	15.7	17.4
-87.5°	0.0	0.8	1.8	2.7	3.6	4.5	5.3	6.2	7.0	7.9	8.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	10.1	11.6	13.2	14.8	14.9	14.9	14.8	14.6	15.2	15.8	16.3
85°	20.2	23.1	32.1	40.8	45.0	47.6	48.8	48.6	56.5	65.6	75.6
82.5°	62.8	75.7	88.1	99.8	102.8	102.9	101.9	102.2	120.8	142.0	163.8
80°	111.8	128.2	150.0	169.3	177.6	182.0	184.0	183.6	207.1	238.4	271.3
77.5°	177.3	205.0	229.0	249.5	260.5	270.2	278.1	284.2	314.4	353.9	393.1
75°	252.0	282.3	312.4	338.7	357.0	370.7	383.3	403.7	443.2	489.4	529.5
72.5°	330.8	369.5	403.1	431.6	457.3	484.7	515.3	548.8	590.5	636.6	678.6
70°	415.0	457.5	492.7	527.0	562.0	603.0	648.9	694.1	740.7	791.5	840.4
67.5°	497.3	538.3	579.7	623.0	675.5	730.4	784.7	847.0	910.8	967.3	1017.8
65°	568.8	616.9	668.7	727.5	792.4	862.0	934.5	1009.3	1090.2	1158.0	1219.8
62.5°	637.1	695.0	757.9	831.1	913.9	996.4	1088.9	1182.5	1273.5	1353.4	1427.2
60°	700.0	770.1	849.7	939.5	1036.1	1145.8	1251.1	1357.5	1457.4	1547.8	1641.2
57.5°	761.3	849.5	945.0	1052.7	1174.9	1298.2	1421.9	1536.4	1649.4	1759.6	1865.1
55°	826.1	932.4	1046.0	1178.2	1315.9	1461.7	1595.0	1722.7	1847.2	1981.0	2108.1
52.5°	897.4	1016.1	1158.3	1306.3	1465.4	1621.8	1768.3	1913.8	2064.3	2215.6	2381.2
50°	966.2	1114.2	1270.1	1442.2	1614.0	1781.6	1949.5	2117.1	2297.5	2483.1	2670.7
47.5°	1046.6	1208.1	1392.2	1576.8	1764.6	1951.1	2138.1	2340.7	2545.6	2761.0	2968.5
45°	1128.0	1309.5	1507.9	1716.6	1919.7	2126.1	2344.9	2568.8	2809.1	3046.0	3295.6
42.5°	1205.1	1410.3	1629.0	1854.4	2080.3	2310.9	2551.5	2813.1	3075.7	3348.8	3623.1
40°	1290.5	1506.2	1747.3	1995.6	2240.6	2496.4	2771.3	3054.7	3351.7	3652.1	3950.0
37.5°	1372.6	1609.7	1863.2	2130.4	2405.4	2686.4	2985.0	3306.6	3628.8	3952.0	4280.5
35°	1449.5	1707.9	1982.4	2266.1	2557.8	2877.4	3211.2	3554.5	3903.6	4253.2	4606.5
32.5°	1528.6	1800.4	2096.3	2400.0	2721.4	3064.2	3429.8	3801.8	4173.6	4546.8	4933.6
30°	1607.9	1897.5	2206.7	2526.5	2878.1	3251.6	3644.6	4038.6	4431.9	4842.6	5254.8
27.5°	1682.9	1989.6	2315.1	2657.4	3028.3	3425.2	3842.5	4264.6	4688.6	5125.3	5565.0
25°	1751.9	2076.8	2415.7	2783.3	3176.4	3592.2	4026.9	4467.4	4932.5	5399.8	5858.9
22.5°	1819.1	2157.0	2508.9	2899.3	3310.7	3747.3	4200.0	4665.1	5151.1	5653.0	6128.0
20°	1883.9	2233.3	2599.7	3004.4	3430.9	3887.0	4357.3	4844.3	5354.2	5869.4	6380.4
17.5°	1941.4	2301.1	2684.1	3102.6	3545.6	4014.6	4499.0	5002.1	5534.6	6068.7	6610.2
15°	1991.4	2360.1	2757.2	3188.4	3647.0	4130.6	4630.5	5147.9	5694.2	6250.3	6813.2
12.5°	2033.7	2410.1	2818.8	3261.3	3733.1	4230.2	4743.6	5279.1	5840.1	6411.8	6991.1
10°	2068.1	2450.8	2868.6	3320.9	3803.3	4312.4	4836.6	5387.3	5965.1	6549.2	7140.6
7.5°	2097.4	2484.8	2908.1	3366.9	3857.5	4376.8	4909.1	5471.7	6064.6	6656.4	7260.8
5°	2118.7	2512.3	2944.5	3405.4	3904.6	4427.2	4964.0	5531.8	6137.4	6732.7	7347.9
2.5°	2131.5	2530.2	2969.2	3430.3	3941.6	4464.9	5012.8	5584.9	6190.8	6793.2	7413.4
0°	2135.8	2538.2	2981.9	3441.0	3962.1	4483.1	5040.3	5612.9	6216.5	6830.4	7454.6
-2.5°	2131.5	2530.2	2969.2	3430.3	3941.6	4464.9	5012.8	5584.9	6190.8	6793.2	7413.4
-5°	2118.7	2512.3	2944.5	3405.4	3904.6	4427.2	4964.0	5531.8	6137.4	6732.7	7347.9
-7.5°	2097.4	2484.8	2908.1	3366.9	3857.5	4376.8	4909.1	5471.7	6064.6	6656.4	7260.8
-10°	2068.1	2450.8	2868.6	3320.9	3803.3	4312.4	4836.6	5387.3	5965.1	6549.2	7140.6
-12.5°	2033.7	2410.1	2818.8	3261.3	3733.1	4230.2	4743.6	5279.1	5840.1	6411.8	6991.1
-15°	1991.4	2360.1	2757.2	3188.4	3647.0	4130.6	4630.5	5147.9	5694.2	6250.3	6813.2
-17.5°	1941.4	2301.1	2684.1	3102.6	3545.6	4014.6	4499.0	5002.1	5534.6	6068.7	6610.2
-20°	1883.9	2233.3	2599.7	3004.4	3430.9	3887.0	4357.3	4844.3	5354.2	5869.4	6380.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1819.1	2157.0	2508.9	2899.3	3310.7	3747.3	4200.0	4665.1	5151.1	5653.0	6128.0
-25°	1751.9	2076.8	2415.7	2783.3	3176.4	3592.2	4026.9	4467.4	4932.5	5399.8	5858.9
-27.5°	1682.9	1989.6	2315.1	2657.4	3028.3	3425.2	3842.5	4264.6	4688.6	5125.3	5565.0
-30°	1607.9	1897.5	2206.7	2526.5	2878.1	3251.6	3644.6	4038.6	4431.9	4842.6	5254.8
-32.5°	1528.6	1800.4	2096.3	2400.0	2721.4	3064.2	3429.8	3801.8	4173.6	4546.8	4933.6
-35°	1449.5	1707.9	1982.4	2266.1	2557.8	2877.4	3211.2	3554.5	3903.6	4253.2	4606.5
-37.5°	1372.6	1609.7	1863.2	2130.4	2405.4	2686.4	2985.0	3306.6	3628.8	3952.0	4280.5
-40°	1290.5	1506.2	1747.3	1995.6	2240.6	2496.4	2771.3	3054.7	3351.7	3652.1	3950.0
-42.5°	1205.1	1410.3	1629.0	1854.4	2080.3	2310.9	2551.5	2813.1	3075.7	3348.8	3623.1
-45°	1128.0	1309.5	1507.9	1716.6	1919.7	2126.1	2344.9	2568.8	2809.1	3046.0	3295.6
-47.5°	1046.6	1208.1	1392.2	1576.8	1764.6	1951.1	2138.1	2340.7	2545.6	2761.0	2968.5
-50°	966.2	1114.2	1270.1	1442.2	1614.0	1781.6	1949.5	2117.1	2297.5	2483.1	2670.7
-52.5°	897.4	1016.1	1158.3	1306.3	1465.4	1621.8	1768.3	1913.8	2064.3	2215.6	2381.2
-55°	826.1	932.4	1046.0	1178.2	1315.9	1461.7	1595.0	1722.7	1847.2	1981.0	2108.1
-57.5°	761.3	849.5	945.0	1052.7	1174.9	1298.2	1421.9	1536.4	1649.4	1759.6	1865.1
-60°	700.0	770.1	849.7	939.5	1036.1	1145.8	1251.1	1357.5	1457.4	1547.8	1641.2
-62.5°	637.1	695.0	757.9	831.1	913.9	996.4	1088.9	1182.5	1273.5	1353.4	1427.2
-65°	568.8	616.9	668.7	727.5	792.4	862.0	934.5	1009.3	1090.2	1158.0	1219.8
-67.5°	497.3	538.3	579.7	623.0	675.5	730.4	784.7	847.0	910.8	967.3	1017.8
-70°	415.0	457.5	492.7	527.0	562.0	603.0	648.9	694.1	740.7	791.5	840.4
-72.5°	330.8	369.5	403.1	431.6	457.3	484.7	515.3	548.8	590.5	636.6	678.6
-75°	252.0	282.3	312.4	338.7	357.0	370.7	383.3	403.7	443.2	489.4	529.5
-77.5°	177.3	205.0	229.0	249.5	260.5	270.2	278.1	284.2	314.4	353.9	393.1
-80°	111.8	128.2	150.0	169.3	177.6	182.0	184.0	183.6	207.1	238.4	271.3
-82.5°	62.8	75.7	88.1	99.8	102.8	102.9	101.9	102.2	120.8	142.0	163.8
-85°	20.2	23.1	32.1	40.8	45.0	47.6	48.8	48.6	56.5	65.6	75.6
-87.5°	10.1	11.6	13.2	14.8	14.9	14.9	14.8	14.6	15.2	15.8	16.3
-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: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	17.4	17.8	18.3	18.7	19.0	19.4	19.6	19.9	18.9	17.8
85°	86.2	92.3	98.0	103.4	108.6	113.5	118.1	122.4	126.3	115.4	103.3
82.5°	186.1	201.0	215.2	229.4	243.4	246.9	248.0	247.5	245.5	226.3	205.0
80°	303.8	329.1	352.9	376.6	399.9	402.5	399.9	395.1	388.3	363.0	334.4
77.5°	432.2	464.1	492.0	517.5	540.7	545.1	544.5	543.3	541.4	515.7	484.5
75°	563.9	595.1	625.1	650.7	672.0	681.8	686.5	689.9	691.7	673.3	649.0
72.5°	716.5	749.0	775.5	800.3	821.3	836.5	847.3	855.6	861.2	855.6	845.7
70°	882.2	917.0	946.2	974.2	1002.7	1025.5	1042.7	1055.2	1063.2	1068.4	1072.0
67.5°	1068.8	1115.4	1156.1	1190.9	1225.3	1257.6	1284.1	1305.8	1322.5	1336.7	1347.6
65°	1278.9	1338.6	1391.4	1440.0	1484.5	1531.3	1569.7	1602.0	1627.9	1649.3	1666.5
62.5°	1499.9	1573.0	1640.9	1706.7	1771.3	1834.9	1883.7	1928.1	1967.6	2001.5	2028.6
60°	1729.5	1812.5	1903.6	1990.6	2070.7	2143.8	2216.4	2279.3	2333.1	2377.7	2413.7
57.5°	1976.3	2083.8	2190.3	2298.3	2400.4	2495.9	2585.2	2664.1	2730.8	2785.4	2831.3
55°	2242.9	2377.4	2500.9	2637.2	2768.8	2888.7	2994.2	3086.9	3167.1	3234.3	3291.3
52.5°	2536.0	2699.4	2859.9	3015.0	3164.4	3303.4	3429.7	3537.7	3633.8	3716.1	3781.8
50°	2856.8	3043.8	3229.8	3402.2	3573.9	3734.1	3878.9	4004.2	4116.0	4212.8	4288.9
47.5°	3192.2	3405.1	3612.8	3810.2	4000.2	4178.3	4335.1	4478.0	4617.3	4731.0	4820.8
45°	3540.5	3779.3	4008.5	4234.1	4443.4	4643.0	4836.4	5014.3	5157.4	5282.5	5387.7
42.5°	3893.1	4159.5	4416.0	4662.2	4892.3	5123.2	5340.8	5535.3	5698.3	5840.7	5960.2
40°	4250.3	4541.9	4824.5	5093.0	5356.0	5607.7	5843.1	6048.1	6232.0	6401.2	6542.1
37.5°	4605.6	4926.4	5239.6	5540.3	5830.0	6102.6	6356.9	6588.6	6796.2	6988.8	7145.3
35°	4962.5	5314.5	5657.3	5988.2	6304.7	6605.5	6883.9	7147.6	7392.2	7587.3	7747.4
32.5°	5318.0	5696.5	6069.6	6433.9	6780.2	7104.5	7406.2	7697.6	7949.2	8163.6	8347.7
30°	5662.1	6072.0	6478.3	6873.4	7247.4	7598.9	7933.0	8241.0	8511.6	8746.2	8952.5
27.5°	5999.7	6440.1	6876.0	7298.0	7702.5	8084.4	8449.0	8783.0	9078.4	9333.3	9550.9
25°	6318.7	6792.1	7256.8	7704.2	8136.3	8557.6	8951.2	9315.8	9631.3	9911.1	10134.7
22.5°	6623.6	7128.5	7616.7	8087.4	8549.5	9003.6	9434.6	9815.3	10149.6	10442.1	10689.6
20°	6907.6	7448.6	7948.1	8445.9	8932.7	9417.6	9880.2	10281.9	10635.7	10947.1	11219.9
17.5°	7173.1	7728.0	8254.0	8783.9	9297.1	9805.6	10275.7	10706.3	11087.9	11418.6	11704.3
15°	7397.9	7958.3	8532.6	9098.5	9639.6	10154.6	10624.3	11073.9	11497.7	11855.3	12145.0
12.5°	7579.8	8162.6	8761.8	9362.6	9934.8	10449.1	10940.8	11397.0	11842.1	12243.8	12510.1
10°	7734.9	8335.0	8953.7	9566.3	10146.1	10690.4	11224.9	11707.3	12144.6	12504.4	12801.8
7.5°	7869.0	8487.2	9115.5	9729.1	10307.0	10869.3	11419.6	11931.9	12373.4	12712.4	12977.6
5°	7967.9	8600.8	9241.2	9860.5	10446.4	11010.6	11563.4	12069.2	12500.2	12845.1	13134.4
2.5°	8038.7	8677.5	9322.5	9942.6	10541.6	11107.2	11673.8	12185.3	12602.7	12918.6	13195.6
0°	8084.0	8723.7	9373.8	10008.3	10596.4	11143.3	11752.0	12231.8	12665.2	12979.9	13268.8
-2.5°	8038.7	8677.5	9322.5	9942.6	10541.6	11107.2	11673.8	12185.3	12602.7	12918.6	13195.6
-5°	7967.9	8600.8	9241.2	9860.5	10446.4	11010.6	11563.4	12069.2	12500.2	12845.1	13134.4
-7.5°	7869.0	8487.2	9115.5	9729.1	10307.0	10869.3	11419.6	11931.9	12373.4	12712.4	12977.6
-10°	7734.9	8335.0	8953.7	9566.3	10146.1	10690.4	11224.9	11707.3	12144.6	12504.4	12801.8
-12.5°	7579.8	8162.6	8761.8	9362.6	9934.8	10449.1	10940.8	11397.0	11842.1	12243.8	12510.1
-15°	7397.9	7958.3	8532.6	9098.5	9639.6	10154.6	10624.3	11073.9	11497.7	11855.3	12145.0
-17.5°	7173.1	7728.0	8254.0	8783.9	9297.1	9805.6	10275.7	10706.3	11087.9	11418.6	11704.3
-20°	6907.6	7448.6	7948.1	8445.9	8932.7	9417.6	9880.2	10281.9	10635.7	10947.1	11219.9



REPORT NUMBER: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6623.6	7128.5	7616.7	8087.4	8549.5	9003.6	9434.6	9815.3	10149.6	10442.1	10689.6
-25°	6318.7	6792.1	7256.8	7704.2	8136.3	8557.6	8951.2	9315.8	9631.3	9911.1	10134.7
-27.5°	5999.7	6440.1	6876.0	7298.0	7702.5	8084.4	8449.0	8783.0	9078.4	9333.3	9550.9
-30°	5662.1	6072.0	6478.3	6873.4	7247.4	7598.9	7933.0	8241.0	8511.6	8746.2	8952.5
-32.5°	5318.0	5696.5	6069.6	6433.9	6780.2	7104.5	7406.2	7697.6	7949.2	8163.6	8347.7
-35°	4962.5	5314.5	5657.3	5988.2	6304.7	6605.5	6883.9	7147.6	7392.2	7587.3	7747.4
-37.5°	4605.6	4926.4	5239.6	5540.3	5830.0	6102.6	6356.9	6588.6	6796.2	6988.8	7145.3
-40°	4250.3	4541.9	4824.5	5093.0	5356.0	5607.7	5843.1	6048.1	6232.0	6401.2	6542.1
-42.5°	3893.1	4159.5	4416.0	4662.2	4892.3	5123.2	5340.8	5535.3	5698.3	5840.7	5960.2
-45°	3540.5	3779.3	4008.5	4234.1	4443.4	4643.0	4836.4	5014.3	5157.4	5282.5	5387.7
-47.5°	3192.2	3405.1	3612.8	3810.2	4000.2	4178.3	4335.1	4478.0	4617.3	4731.0	4820.8
-50°	2856.8	3043.8	3229.8	3402.2	3573.9	3734.1	3878.9	4004.2	4116.0	4212.8	4288.9
-52.5°	2536.0	2699.4	2859.9	3015.0	3164.4	3303.4	3429.7	3537.7	3633.8	3716.1	3781.8
-55°	2242.9	2377.4	2500.9	2637.2	2768.8	2888.7	2994.2	3086.9	3167.1	3234.3	3291.3
-57.5°	1976.3	2083.8	2190.3	2298.3	2400.4	2495.9	2585.2	2664.1	2730.8	2785.4	2831.3
-60°	1729.5	1812.5	1903.6	1990.6	2070.7	2143.8	2216.4	2279.3	2333.1	2377.7	2413.7
-62.5°	1499.9	1573.0	1640.9	1706.7	1771.3	1834.9	1883.7	1928.1	1967.6	2001.5	2028.6
-65°	1278.9	1338.6	1391.4	1440.0	1484.5	1531.3	1569.7	1602.0	1627.9	1649.3	1666.5
-67.5°	1068.8	1115.4	1156.1	1190.9	1225.3	1257.6	1284.1	1305.8	1322.5	1336.7	1347.6
-70°	882.2	917.0	946.2	974.2	1002.7	1025.5	1042.7	1055.2	1063.2	1068.4	1072.0
-72.5°	716.5	749.0	775.5	800.3	821.3	836.5	847.3	855.6	861.2	855.6	845.7
-75°	563.9	595.1	625.1	650.7	672.0	681.8	686.5	689.9	691.7	673.3	649.0
-77.5°	432.2	464.1	492.0	517.5	540.7	545.1	544.5	543.3	541.4	515.7	484.5
-80°	303.8	329.1	352.9	376.6	399.9	402.5	399.9	395.1	388.3	363.0	334.4
-82.5°	186.1	201.0	215.2	229.4	243.4	246.9	248.0	247.5	245.5	226.3	205.0
-85°	86.2	92.3	98.0	103.4	108.6	113.5	118.1	122.4	126.3	115.4	103.3
-87.5°	16.9	17.4	17.8	18.3	18.7	19.0	19.4	19.6	19.9	18.9	17.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.6	15.4	15.5	15.5	15.5	15.4	16.6	17.8	18.9	19.9	19.6
85°	90.5	77.0	72.2	67.1	72.2	77.0	90.5	103.3	115.4	126.3	122.4
82.5°	182.6	159.4	152.0	144.4	152.0	159.4	182.6	205.0	226.3	245.5	247.5
80°	304.2	272.7	260.3	247.6	260.3	272.7	304.2	334.4	363.0	388.3	395.1
77.5°	451.5	416.9	402.1	386.9	402.1	416.9	451.5	484.5	515.7	541.4	543.3
75°	623.5	596.4	579.9	562.3	579.9	596.4	623.5	649.0	673.3	691.7	689.9
72.5°	834.3	821.1	809.1	794.5	809.1	821.1	834.3	845.7	855.6	861.2	855.6
70°	1073.2	1071.5	1073.7	1073.1	1073.7	1071.5	1073.2	1072.0	1068.4	1063.2	1055.2
67.5°	1353.3	1353.6	1359.4	1362.0	1359.4	1353.6	1353.3	1347.6	1336.7	1322.5	1305.8
65°	1677.1	1681.1	1679.6	1671.5	1679.6	1681.1	1677.1	1666.5	1649.3	1627.9	1602.0
62.5°	2047.8	2058.9	2065.0	2063.6	2065.0	2058.9	2047.8	2028.6	2001.5	1967.6	1928.1
60°	2440.6	2458.1	2466.9	2466.0	2466.9	2458.1	2440.6	2413.7	2377.7	2333.1	2279.3
57.5°	2865.6	2887.9	2893.2	2883.8	2893.2	2887.9	2865.6	2831.3	2785.4	2730.8	2664.1
55°	3334.3	3363.0	3374.0	3368.8	3374.0	3363.0	3334.3	3291.3	3234.3	3167.1	3086.9
52.5°	3830.0	3860.9	3871.9	3864.0	3871.9	3860.9	3830.0	3781.8	3716.1	3633.8	3537.7
50°	4344.8	4382.3	4397.4	4390.2	4397.4	4382.3	4344.8	4288.9	4212.8	4116.0	4004.2
47.5°	4891.3	4941.2	4960.6	4947.4	4960.6	4941.2	4891.3	4820.8	4731.0	4617.3	4478.0
45°	5466.3	5518.0	5538.1	5525.2	5538.1	5518.0	5466.3	5387.7	5282.5	5157.4	5014.3
42.5°	6051.6	6118.8	6147.3	6123.6	6147.3	6118.8	6051.6	5960.2	5840.7	5698.3	5535.3
40°	6647.2	6720.2	6753.9	6737.6	6753.9	6720.2	6647.2	6542.1	6401.2	6232.0	6048.1
37.5°	7258.2	7330.8	7366.5	7366.9	7366.5	7330.8	7258.2	7145.3	6988.8	6796.2	6588.6
35°	7871.4	7959.3	8009.0	8006.7	8009.0	7959.3	7871.4	7747.4	7587.3	7392.2	7147.6
32.5°	8493.1	8588.3	8639.2	8646.4	8639.2	8588.3	8493.1	8347.7	8163.6	7949.2	7697.6
30°	9113.8	9218.5	9277.4	9301.5	9277.4	9218.5	9113.8	8952.5	8746.2	8511.6	8241.0
27.5°	9715.8	9844.6	9933.5	9941.3	9933.5	9844.6	9715.8	9550.9	9333.3	9078.4	8783.0
25°	10298.8	10429.9	10521.1	10539.7	10521.1	10429.9	10298.8	10134.7	9911.1	9631.3	9315.8
22.5°	10873.4	11010.5	11094.6	11127.8	11094.6	11010.5	10873.4	10689.6	10442.1	10149.6	9815.3
20°	11421.9	11570.5	11659.7	11695.3	11659.7	11570.5	11421.9	11219.9	10947.1	10635.7	10281.9
17.5°	11918.1	12075.2	12185.4	12216.3	12185.4	12075.2	11918.1	11704.3	11418.6	11087.9	10706.3
15°	12354.9	12503.8	12608.4	12649.7	12608.4	12503.8	12354.9	12145.0	11855.3	11497.7	11073.9
12.5°	12710.3	12843.5	12925.5	12964.4	12925.5	12843.5	12710.3	12510.1	12243.8	11842.1	11397.0
10°	12988.1	13121.6	13199.9	13253.3	13199.9	13121.6	12988.1	12801.8	12504.4	12144.6	11707.3
7.5°	13229.1	13365.9	13461.7	13537.0	13461.7	13365.9	13229.1	12977.6	12712.4	12373.4	11931.9
5°	13362.1	13590.8	13625.1	13676.3	13625.1	13590.8	13362.1	13134.4	12845.1	12500.2	12069.2
2.5°	13463.6	13625.7	13723.2	13712.4	13723.2	13625.7	13463.6	13195.6	12918.6	12602.7	12185.3
0°	13537.0	13681.5	13717.6	13764.0	13717.6	13681.5	13537.0	13268.8	12979.9	12665.2	12231.8
-2.5°	13463.6	13625.7	13723.2	13712.4	13723.2	13625.7	13463.6	13195.6	12918.6	12602.7	12185.3
-5°	13362.1	13590.8	13625.1	13676.3	13625.1	13590.8	13362.1	13134.4	12845.1	12500.2	12069.2
-7.5°	13229.1	13365.9	13461.7	13537.0	13461.7	13365.9	13229.1	12977.6	12712.4	12373.4	11931.9
-10°	12988.1	13121.6	13199.9	13253.3	13199.9	13121.6	12988.1	12801.8	12504.4	12144.6	11707.3
-12.5°	12710.3	12843.5	12925.5	12964.4	12925.5	12843.5	12710.3	12510.1	12243.8	11842.1	11397.0
-15°	12354.9	12503.8	12608.4	12649.7	12608.4	12503.8	12354.9	12145.0	11855.3	11497.7	11073.9
-17.5°	11918.1	12075.2	12185.4	12216.3	12185.4	12075.2	11918.1	11704.3	11418.6	11087.9	10706.3
-20°	11421.9	11570.5	11659.7	11695.3	11659.7	11570.5	11421.9	11219.9	10947.1	10635.7	10281.9



REPORT NUMBER: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10873.4	11010.5	11094.6	11127.8	11094.6	11010.5	10873.4	10689.6	10442.1	10149.6	9815.3
-25°	10298.8	10429.9	10521.1	10539.7	10521.1	10429.9	10298.8	10134.7	9911.1	9631.3	9315.8
-27.5°	9715.8	9844.6	9933.5	9941.3	9933.5	9844.6	9715.8	9550.9	9333.3	9078.4	8783.0
-30°	9113.8	9218.5	9277.4	9301.5	9277.4	9218.5	9113.8	8952.5	8746.2	8511.6	8241.0
-32.5°	8493.1	8588.3	8639.2	8646.4	8639.2	8588.3	8493.1	8347.7	8163.6	7949.2	7697.6
-35°	7871.4	7959.3	8009.0	8006.7	8009.0	7959.3	7871.4	7747.4	7587.3	7392.2	7147.6
-37.5°	7258.2	7330.8	7366.5	7366.9	7366.5	7330.8	7258.2	7145.3	6988.8	6796.2	6588.6
-40°	6647.2	6720.2	6753.9	6737.6	6753.9	6720.2	6647.2	6542.1	6401.2	6232.0	6048.1
-42.5°	6051.6	6118.8	6147.3	6123.6	6147.3	6118.8	6051.6	5960.2	5840.7	5698.3	5535.3
-45°	5466.3	5518.0	5538.1	5525.2	5538.1	5518.0	5466.3	5387.7	5282.5	5157.4	5014.3
-47.5°	4891.3	4941.2	4960.6	4947.4	4960.6	4941.2	4891.3	4820.8	4731.0	4617.3	4478.0
-50°	4344.8	4382.3	4397.4	4390.2	4397.4	4382.3	4344.8	4288.9	4212.8	4116.0	4004.2
-52.5°	3830.0	3860.9	3871.9	3864.0	3871.9	3860.9	3830.0	3781.8	3716.1	3633.8	3537.7
-55°	3334.3	3363.0	3374.0	3368.8	3374.0	3363.0	3334.3	3291.3	3234.3	3167.1	3086.9
-57.5°	2865.6	2887.9	2893.2	2883.8	2893.2	2887.9	2865.6	2831.3	2785.4	2730.8	2664.1
-60°	2440.6	2458.1	2466.9	2466.0	2466.9	2458.1	2440.6	2413.7	2377.7	2333.1	2279.3
-62.5°	2047.8	2058.9	2065.0	2063.6	2065.0	2058.9	2047.8	2028.6	2001.5	1967.6	1928.1
-65°	1677.1	1681.1	1679.6	1671.5	1679.6	1681.1	1677.1	1666.5	1649.3	1627.9	1602.0
-67.5°	1353.3	1353.6	1359.4	1362.0	1359.4	1353.6	1353.3	1347.6	1336.7	1322.5	1305.8
-70°	1073.2	1071.5	1073.7	1073.1	1073.7	1071.5	1073.2	1072.0	1068.4	1063.2	1055.2
-72.5°	834.3	821.1	809.1	794.5	809.1	821.1	834.3	845.7	855.6	861.2	855.6
-75°	623.5	596.4	579.9	562.3	579.9	596.4	623.5	649.0	673.3	691.7	689.9
-77.5°	451.5	416.9	402.1	386.9	402.1	416.9	451.5	484.5	515.7	541.4	543.3
-80°	304.2	272.7	260.3	247.6	260.3	272.7	304.2	334.4	363.0	388.3	395.1
-82.5°	182.6	159.4	152.0	144.4	152.0	159.4	182.6	205.0	226.3	245.5	247.5
-85°	90.5	77.0	72.2	67.1	72.2	77.0	90.5	103.3	115.4	126.3	122.4
-87.5°	16.6	15.4	15.5	15.5	15.5	15.4	16.6	17.8	18.9	19.9	19.6
-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: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.4	19.0	18.7	18.3	17.8	17.4	16.9	16.3	15.8	15.2	14.6
85°	118.1	113.5	108.6	103.4	98.0	92.3	86.2	75.6	65.6	56.5	48.6
82.5°	248.0	246.9	243.4	229.4	215.2	201.0	186.1	163.8	142.0	120.8	102.2
80°	399.9	402.5	399.9	376.6	352.9	329.1	303.8	271.3	238.4	207.1	183.6
77.5°	544.5	545.1	540.7	517.5	492.0	464.1	432.2	393.1	353.9	314.4	284.2
75°	686.5	681.8	672.0	650.7	625.1	595.1	563.9	529.5	489.4	443.2	403.7
72.5°	847.3	836.5	821.3	800.3	775.5	749.0	716.5	678.6	636.6	590.5	548.8
70°	1042.7	1025.5	1002.7	974.2	946.2	917.0	882.2	840.4	791.5	740.7	694.1
67.5°	1284.1	1257.6	1225.3	1190.9	1156.1	1115.4	1068.8	1017.8	967.3	910.8	847.0
65°	1569.7	1531.3	1484.5	1440.0	1391.4	1338.6	1278.9	1219.8	1158.0	1090.2	1009.3
62.5°	1883.7	1834.9	1771.3	1706.7	1640.9	1573.0	1499.9	1427.2	1353.4	1273.5	1182.5
60°	2216.4	2143.8	2070.7	1990.6	1903.6	1812.5	1729.5	1641.2	1547.8	1457.4	1357.5
57.5°	2585.2	2495.9	2400.4	2298.3	2190.3	2083.8	1976.3	1865.1	1759.6	1649.4	1536.4
55°	2994.2	2888.7	2768.8	2637.2	2500.9	2377.4	2242.9	2108.1	1981.0	1847.2	1722.7
52.5°	3429.7	3303.4	3164.4	3015.0	2859.9	2699.4	2536.0	2381.2	2215.6	2064.3	1913.8
50°	3878.9	3734.1	3573.9	3402.2	3229.8	3043.8	2856.8	2670.7	2483.1	2297.5	2117.1
47.5°	4335.1	4178.3	4000.2	3810.2	3612.8	3405.1	3192.2	2968.5	2761.0	2545.6	2340.7
45°	4836.4	4643.0	4443.4	4234.1	4008.5	3779.3	3540.5	3295.6	3046.0	2809.1	2568.8
42.5°	5340.8	5123.2	4892.3	4662.2	4416.0	4159.5	3893.1	3623.1	3348.8	3075.7	2813.1
40°	5843.1	5607.7	5356.0	5093.0	4824.5	4541.9	4250.3	3950.0	3652.1	3351.7	3054.7
37.5°	6356.9	6102.6	5830.0	5540.3	5239.6	4926.4	4605.6	4280.5	3952.0	3628.8	3306.6
35°	6883.9	6605.5	6304.7	5988.2	5657.3	5314.5	4962.5	4606.5	4253.2	3903.6	3554.5
32.5°	7406.2	7104.5	6780.2	6433.9	6069.6	5696.5	5318.0	4933.6	4546.8	4173.6	3801.8
30°	7933.0	7598.9	7247.4	6873.4	6478.3	6072.0	5662.1	5254.8	4842.6	4431.9	4038.6
27.5°	8449.0	8084.4	7702.5	7298.0	6876.0	6440.1	5999.7	5565.0	5125.3	4688.6	4264.6
25°	8951.2	8557.6	8136.3	7704.2	7256.8	6792.1	6318.7	5858.9	5399.8	4932.5	4467.4
22.5°	9434.6	9003.6	8549.5	8087.4	7616.7	7128.5	6623.6	6128.0	5653.0	5151.1	4665.1
20°	9880.2	9417.6	8932.7	8445.9	7948.1	7448.6	6907.6	6380.4	5869.4	5354.2	4844.3
17.5°	10275.7	9805.6	9297.1	8783.9	8254.0	7728.0	7173.1	6610.2	6068.7	5534.6	5002.1
15°	10624.3	10154.6	9639.6	9098.5	8532.6	7958.3	7397.9	6813.2	6250.3	5694.2	5147.9
12.5°	10940.8	10449.1	9934.8	9362.6	8761.8	8162.6	7579.8	6991.1	6411.8	5840.1	5279.1
10°	11224.9	10690.4	10146.1	9566.3	8953.7	8335.0	7734.9	7140.6	6549.2	5965.1	5387.3
7.5°	11419.6	10869.3	10307.0	9729.1	9115.5	8487.2	7869.0	7260.8	6656.4	6064.6	5471.7
5°	11563.4	11010.6	10446.4	9860.5	9241.2	8600.8	7967.9	7347.9	6732.7	6137.4	5531.8
2.5°	11673.8	11107.2	10541.6	9942.6	9322.5	8677.5	8038.7	7413.4	6793.2	6190.8	5584.9
0°	11752.0	11143.3	10596.4	10008.3	9373.8	8723.7	8084.0	7454.6	6830.4	6216.5	5612.9
-2.5°	11673.8	11107.2	10541.6	9942.6	9322.5	8677.5	8038.7	7413.4	6793.2	6190.8	5584.9
-5°	11563.4	11010.6	10446.4	9860.5	9241.2	8600.8	7967.9	7347.9	6732.7	6137.4	5531.8
-7.5°	11419.6	10869.3	10307.0	9729.1	9115.5	8487.2	7869.0	7260.8	6656.4	6064.6	5471.7
-10°	11224.9	10690.4	10146.1	9566.3	8953.7	8335.0	7734.9	7140.6	6549.2	5965.1	5387.3
-12.5°	10940.8	10449.1	9934.8	9362.6	8761.8	8162.6	7579.8	6991.1	6411.8	5840.1	5279.1
-15°	10624.3	10154.6	9639.6	9098.5	8532.6	7958.3	7397.9	6813.2	6250.3	5694.2	5147.9
-17.5°	10275.7	9805.6	9297.1	8783.9	8254.0	7728.0	7173.1	6610.2	6068.7	5534.6	5002.1
-20°	9880.2	9417.6	8932.7	8445.9	7948.1	7448.6	6907.6	6380.4	5869.4	5354.2	4844.3



REPORT NUMBER: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9434.6	9003.6	8549.5	8087.4	7616.7	7128.5	6623.6	6128.0	5653.0	5151.1	4665.1
-25°	8951.2	8557.6	8136.3	7704.2	7256.8	6792.1	6318.7	5858.9	5399.8	4932.5	4467.4
-27.5°	8449.0	8084.4	7702.5	7298.0	6876.0	6440.1	5999.7	5565.0	5125.3	4688.6	4264.6
-30°	7933.0	7598.9	7247.4	6873.4	6478.3	6072.0	5662.1	5254.8	4842.6	4431.9	4038.6
-32.5°	7406.2	7104.5	6780.2	6433.9	6069.6	5696.5	5318.0	4933.6	4546.8	4173.6	3801.8
-35°	6883.9	6605.5	6304.7	5988.2	5657.3	5314.5	4962.5	4606.5	4253.2	3903.6	3554.5
-37.5°	6356.9	6102.6	5830.0	5540.3	5239.6	4926.4	4605.6	4280.5	3952.0	3628.8	3306.6
-40°	5843.1	5607.7	5356.0	5093.0	4824.5	4541.9	4250.3	3950.0	3652.1	3351.7	3054.7
-42.5°	5340.8	5123.2	4892.3	4662.2	4416.0	4159.5	3893.1	3623.1	3348.8	3075.7	2813.1
-45°	4836.4	4643.0	4443.4	4234.1	4008.5	3779.3	3540.5	3295.6	3046.0	2809.1	2568.8
-47.5°	4335.1	4178.3	4000.2	3810.2	3612.8	3405.1	3192.2	2968.5	2761.0	2545.6	2340.7
-50°	3878.9	3734.1	3573.9	3402.2	3229.8	3043.8	2856.8	2670.7	2483.1	2297.5	2117.1
-52.5°	3429.7	3303.4	3164.4	3015.0	2859.9	2699.4	2536.0	2381.2	2215.6	2064.3	1913.8
-55°	2994.2	2888.7	2768.8	2637.2	2500.9	2377.4	2242.9	2108.1	1981.0	1847.2	1722.7
-57.5°	2585.2	2495.9	2400.4	2298.3	2190.3	2083.8	1976.3	1865.1	1759.6	1649.4	1536.4
-60°	2216.4	2143.8	2070.7	1990.6	1903.6	1812.5	1729.5	1641.2	1547.8	1457.4	1357.5
-62.5°	1883.7	1834.9	1771.3	1706.7	1640.9	1573.0	1499.9	1427.2	1353.4	1273.5	1182.5
-65°	1569.7	1531.3	1484.5	1440.0	1391.4	1338.6	1278.9	1219.8	1158.0	1090.2	1009.3
-67.5°	1284.1	1257.6	1225.3	1190.9	1156.1	1115.4	1068.8	1017.8	967.3	910.8	847.0
-70°	1042.7	1025.5	1002.7	974.2	946.2	917.0	882.2	840.4	791.5	740.7	694.1
-72.5°	847.3	836.5	821.3	800.3	775.5	749.0	716.5	678.6	636.6	590.5	548.8
-75°	686.5	681.8	672.0	650.7	625.1	595.1	563.9	529.5	489.4	443.2	403.7
-77.5°	544.5	545.1	540.7	517.5	492.0	464.1	432.2	393.1	353.9	314.4	284.2
-80°	399.9	402.5	399.9	376.6	352.9	329.1	303.8	271.3	238.4	207.1	183.6
-82.5°	248.0	246.9	243.4	229.4	215.2	201.0	186.1	163.8	142.0	120.8	102.2
-85°	118.1	113.5	108.6	103.4	98.0	92.3	86.2	75.6	65.6	56.5	48.6
-87.5°	19.4	19.0	18.7	18.3	17.8	17.4	16.9	16.3	15.8	15.2	14.6
-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: P627591 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.8	14.9	14.9	14.8	13.2	11.6	10.1	8.7	7.9	7.0	6.2
85°	48.8	47.6	45.0	40.8	32.1	23.1	20.2	17.4	15.7	14.1	12.4
82.5°	101.9	102.9	102.8	99.8	88.1	75.7	62.8	49.3	36.5	23.2	18.5
80°	184.0	182.0	177.6	169.3	150.0	128.2	111.8	94.8	78.2	60.8	42.8
77.5°	278.1	270.2	260.5	249.5	229.0	205.0	177.3	146.0	119.6	98.2	76.0
75°	383.3	370.7	357.0	338.7	312.4	282.3	252.0	215.5	175.0	136.8	109.0
72.5°	515.3	484.7	457.3	431.6	403.1	369.5	330.8	283.8	234.5	188.0	144.4
70°	648.9	603.0	562.0	527.0	492.7	457.5	415.0	357.0	293.0	238.3	186.9
67.5°	784.7	730.4	675.5	623.0	579.7	538.3	497.3	429.9	356.5	287.4	228.5
65°	934.5	862.0	792.4	727.5	668.7	616.9	568.8	498.1	418.2	340.4	268.9
62.5°	1088.9	996.4	913.9	831.1	757.9	695.0	637.1	559.2	477.1	391.7	311.0
60°	1251.1	1145.8	1036.1	939.5	849.7	770.1	700.0	619.3	532.2	441.1	352.9
57.5°	1421.9	1298.2	1174.9	1052.7	945.0	849.5	761.3	676.4	586.4	489.7	392.0
55°	1595.0	1461.7	1315.9	1178.2	1046.0	932.4	826.1	731.1	638.8	537.6	425.7
52.5°	1768.3	1621.8	1465.4	1306.3	1158.3	1016.1	897.4	784.5	686.9	584.4	460.7
50°	1949.5	1781.6	1614.0	1442.2	1270.1	1114.2	966.2	845.6	733.7	628.8	494.0
47.5°	2138.1	1951.1	1764.6	1576.8	1392.2	1208.1	1046.6	905.6	778.9	669.0	525.0
45°	2344.9	2126.1	1919.7	1716.6	1507.9	1309.5	1128.0	962.9	830.1	700.2	553.5
42.5°	2551.5	2310.9	2080.3	1854.4	1629.0	1410.3	1205.1	1030.4	879.1	730.2	579.8
40°	2771.3	2496.4	2240.6	1995.6	1747.3	1506.2	1290.5	1096.1	925.0	761.3	604.6
37.5°	2985.0	2686.4	2405.4	2130.4	1863.2	1609.7	1372.6	1157.8	968.6	796.2	628.2
35°	3211.2	2877.4	2557.8	2266.1	1982.4	1707.9	1449.5	1219.9	1018.7	830.3	650.4
32.5°	3429.8	3064.2	2721.4	2400.0	2096.3	1800.4	1528.6	1285.7	1066.9	863.4	671.1
30°	3644.6	3251.6	2878.1	2526.5	2206.7	1897.5	1607.9	1347.3	1113.0	895.3	691.9
27.5°	3842.5	3425.2	3028.3	2657.4	2315.1	1989.6	1682.9	1404.3	1156.7	928.1	716.0
25°	4026.9	3592.2	3176.4	2783.3	2415.7	2076.8	1751.9	1457.1	1201.2	962.3	738.5
22.5°	4200.0	3747.3	3310.7	2899.3	2508.9	2157.0	1819.1	1513.3	1243.3	993.8	759.0
20°	4357.3	3887.0	3430.9	3004.4	2599.7	2233.3	1883.9	1563.7	1280.9	1022.4	777.5
17.5°	4499.0	4014.6	3545.6	3102.6	2684.1	2301.1	1941.4	1608.2	1314.0	1047.8	793.8
15°	4630.5	4130.6	3647.0	3188.4	2757.2	2360.1	1991.4	1646.5	1342.3	1070.0	809.3
12.5°	4743.6	4230.2	3733.1	3261.3	2818.8	2410.1	2033.7	1678.6	1365.8	1090.0	823.9
10°	4836.6	4312.4	3803.3	3320.9	2868.6	2450.8	2068.1	1705.7	1387.9	1107.3	835.1
7.5°	4909.1	4376.8	3857.5	3366.9	2908.1	2484.8	2097.4	1729.0	1405.7	1120.6	843.0
5°	4964.0	4427.2	3904.6	3405.4	2944.5	2512.3	2118.7	1745.8	1418.5	1129.8	847.4
2.5°	5012.8	4464.9	3941.6	3430.3	2969.2	2530.2	2131.5	1755.8	1426.4	1134.6	848.5
0°	5040.3	4483.1	3962.1	3441.0	2981.9	2538.2	2135.8	1759.2	1429.0	1135.0	846.1
-2.5°	5012.8	4464.9	3941.6	3430.3	2969.2	2530.2	2131.5	1755.8	1426.4	1134.6	848.5
-5°	4964.0	4427.2	3904.6	3405.4	2944.5	2512.3	2118.7	1745.8	1418.5	1129.8	847.4
-7.5°	4909.1	4376.8	3857.5	3366.9	2908.1	2484.8	2097.4	1729.0	1405.7	1120.6	843.0
-10°	4836.6	4312.4	3803.3	3320.9	2868.6	2450.8	2068.1	1705.7	1387.9	1107.3	835.1
-12.5°	4743.6	4230.2	3733.1	3261.3	2818.8	2410.1	2033.7	1678.6	1365.8	1090.0	823.9
-15°	4630.5	4130.6	3647.0	3188.4	2757.2	2360.1	1991.4	1646.5	1342.3	1070.0	809.3
-17.5°	4499.0	4014.6	3545.6	3102.6	2684.1	2301.1	1941.4	1608.2	1314.0	1047.8	793.8
-20°	4357.3	3887.0	3430.9	3004.4	2599.7	2233.3	1883.9	1563.7	1280.9	1022.4	777.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4200.0	3747.3	3310.7	2899.3	2508.9	2157.0	1819.1	1513.3	1243.3	993.8	759.0
-25°	4026.9	3592.2	3176.4	2783.3	2415.7	2076.8	1751.9	1457.1	1201.2	962.3	738.5
-27.5°	3842.5	3425.2	3028.3	2657.4	2315.1	1989.6	1682.9	1404.3	1156.7	928.1	716.0
-30°	3644.6	3251.6	2878.1	2526.5	2206.7	1897.5	1607.9	1347.3	1113.0	895.3	691.9
-32.5°	3429.8	3064.2	2721.4	2400.0	2096.3	1800.4	1528.6	1285.7	1066.9	863.4	671.1
-35°	3211.2	2877.4	2557.8	2266.1	1982.4	1707.9	1449.5	1219.9	1018.7	830.3	650.4
-37.5°	2985.0	2686.4	2405.4	2130.4	1863.2	1609.7	1372.6	1157.8	968.6	796.2	628.2
-40°	2771.3	2496.4	2240.6	1995.6	1747.3	1506.2	1290.5	1096.1	925.0	761.3	604.6
-42.5°	2551.5	2310.9	2080.3	1854.4	1629.0	1410.3	1205.1	1030.4	879.1	730.2	579.8
-45°	2344.9	2126.1	1919.7	1716.6	1507.9	1309.5	1128.0	962.9	830.1	700.2	553.5
-47.5°	2138.1	1951.1	1764.6	1576.8	1392.2	1208.1	1046.6	905.6	778.9	669.0	525.0
-50°	1949.5	1781.6	1614.0	1442.2	1270.1	1114.2	966.2	845.6	733.7	628.8	494.0
-52.5°	1768.3	1621.8	1465.4	1306.3	1158.3	1016.1	897.4	784.5	686.9	584.4	460.7
-55°	1595.0	1461.7	1315.9	1178.2	1046.0	932.4	826.1	731.1	638.8	537.6	425.7
-57.5°	1421.9	1298.2	1174.9	1052.7	945.0	849.5	761.3	676.4	586.4	489.7	392.0
-60°	1251.1	1145.8	1036.1	939.5	849.7	770.1	700.0	619.3	532.2	441.1	352.9
-62.5°	1088.9	996.4	913.9	831.1	757.9	695.0	637.1	559.2	477.1	391.7	311.0
-65°	934.5	862.0	792.4	727.5	668.7	616.9	568.8	498.1	418.2	340.4	268.9
-67.5°	784.7	730.4	675.5	623.0	579.7	538.3	497.3	429.9	356.5	287.4	228.5
-70°	648.9	603.0	562.0	527.0	492.7	457.5	415.0	357.0	293.0	238.3	186.9
-72.5°	515.3	484.7	457.3	431.6	403.1	369.5	330.8	283.8	234.5	188.0	144.4
-75°	383.3	370.7	357.0	338.7	312.4	282.3	252.0	215.5	175.0	136.8	109.0
-77.5°	278.1	270.2	260.5	249.5	229.0	205.0	177.3	146.0	119.6	98.2	76.0
-80°	184.0	182.0	177.6	169.3	150.0	128.2	111.8	94.8	78.2	60.8	42.8
-82.5°	101.9	102.9	102.8	99.8	88.1	75.7	62.8	49.3	36.5	23.2	18.5
-85°	48.8	47.6	45.0	40.8	32.1	23.1	20.2	17.4	15.7	14.1	12.4
-87.5°	14.8	14.9	14.9	14.8	13.2	11.6	10.1	8.7	7.9	7.0	6.2
-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):

	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°	5.3	4.5	3.6	2.7	1.8	0.8	0.0
85°	10.7	8.9	7.1	5.4	3.6	1.6	0.0
82.5°	16.0	13.3	10.7	8.0	5.4	2.4	0.0
80°	24.0	17.7	14.2	10.7	7.1	3.1	0.0
77.5°	52.3	27.8	17.7	13.3	8.9	3.9	0.0
75°	80.0	48.2	23.1	16.0	10.6	4.6	0.0
72.5°	106.8	68.0	36.9	18.5	12.2	5.4	0.0
70°	133.6	87.0	50.2	22.2	13.9	6.1	0.0
67.5°	165.7	105.3	63.0	30.4	15.5	6.8	0.0
65°	196.5	125.8	75.2	38.4	17.0	7.5	0.0
62.5°	225.7	148.2	86.8	45.9	18.5	8.2	0.0
60°	253.2	169.4	97.7	53.1	19.9	8.9	0.0
57.5°	282.1	189.3	112.2	59.8	23.9	9.5	0.0
55°	309.6	207.8	126.0	66.0	27.8	10.1	0.0
52.5°	335.0	225.4	138.9	71.8	31.6	10.7	0.0
50°	358.2	244.0	150.7	77.1	35.2	11.2	0.0
47.5°	380.1	261.1	161.5	82.6	38.7	11.7	0.0
45°	404.3	276.5	171.2	89.8	42.0	12.2	0.0
42.5°	426.6	290.1	179.8	96.3	45.1	12.7	0.0
40°	446.7	302.1	188.4	102.9	48.0	13.1	0.0
37.5°	464.8	312.2	197.0	109.5	50.7	13.5	0.0
35°	480.7	324.0	204.3	115.6	53.2	13.9	0.0
32.5°	495.5	335.8	210.5	121.2	55.6	14.2	0.0
30°	510.8	345.9	215.4	126.4	57.7	14.5	0.0
27.5°	524.6	354.3	222.8	131.1	59.6	14.8	0.0
25°	536.7	360.9	229.7	135.2	61.4	15.0	0.0
22.5°	547.0	367.5	235.8	138.9	62.9	15.2	0.0
20°	555.6	376.7	241.0	142.1	64.2	15.4	0.0
17.5°	566.3	384.1	245.4	144.8	65.3	15.5	0.0
15°	577.5	390.0	249.0	147.0	66.2	15.6	0.0
12.5°	586.5	394.1	251.7	148.6	66.8	15.7	0.0
10°	593.4	396.7	253.6	149.8	67.3	15.7	0.0
7.5°	598.1	397.8	254.6	150.5	67.6	15.7	0.0
5°	600.5	397.3	254.8	150.7	67.6	15.7	0.0
2.5°	600.7	395.4	254.2	150.4	67.5	15.6	0.0
0°	598.4	392.1	252.8	149.6	67.1	15.5	0.0
-2.5°	600.7	395.4	254.2	150.4	67.5	15.6	0.0
-5°	600.5	397.3	254.8	150.7	67.6	15.7	0.0
-7.5°	598.1	397.8	254.6	150.5	67.6	15.7	0.0
-10°	593.4	396.7	253.6	149.8	67.3	15.7	0.0
-12.5°	586.5	394.1	251.7	148.6	66.8	15.7	0.0
-15°	577.5	390.0	249.0	147.0	66.2	15.6	0.0
-17.5°	566.3	384.1	245.4	144.8	65.3	15.5	0.0
-20°	555.6	376.7	241.0	142.1	64.2	15.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	547.0	367.5	235.8	138.9	62.9	15.2	0.0
-25°	536.7	360.9	229.7	135.2	61.4	15.0	0.0
-27.5°	524.6	354.3	222.8	131.1	59.6	14.8	0.0
-30°	510.8	345.9	215.4	126.4	57.7	14.5	0.0
-32.5°	495.5	335.8	210.5	121.2	55.6	14.2	0.0
-35°	480.7	324.0	204.3	115.6	53.2	13.9	0.0
-37.5°	464.8	312.2	197.0	109.5	50.7	13.5	0.0
-40°	446.7	302.1	188.4	102.9	48.0	13.1	0.0
-42.5°	426.6	290.1	179.8	96.3	45.1	12.7	0.0
-45°	404.3	276.5	171.2	89.8	42.0	12.2	0.0
-47.5°	380.1	261.1	161.5	82.6	38.7	11.7	0.0
-50°	358.2	244.0	150.7	77.1	35.2	11.2	0.0
-52.5°	335.0	225.4	138.9	71.8	31.6	10.7	0.0
-55°	309.6	207.8	126.0	66.0	27.8	10.1	0.0
-57.5°	282.1	189.3	112.2	59.8	23.9	9.5	0.0
-60°	253.2	169.4	97.7	53.1	19.9	8.9	0.0
-62.5°	225.7	148.2	86.8	45.9	18.5	8.2	0.0
-65°	196.5	125.8	75.2	38.4	17.0	7.5	0.0
-67.5°	165.7	105.3	63.0	30.4	15.5	6.8	0.0
-70°	133.6	87.0	50.2	22.2	13.9	6.1	0.0
-72.5°	106.8	68.0	36.9	18.5	12.2	5.4	0.0
-75°	80.0	48.2	23.1	16.0	10.6	4.6	0.0
-77.5°	52.3	27.8	17.7	13.3	8.9	3.9	0.0
-80°	24.0	17.7	14.2	10.7	7.1	3.1	0.0
-82.5°	16.0	13.3	10.7	8.0	5.4	2.4	0.0
-85°	10.7	8.9	7.1	5.4	3.6	1.6	0.0
-87.5°	5.3	4.5	3.6	2.7	1.8	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)