

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



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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-NR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-727-U-NR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW SYMMETRICAL ROUND N88
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30165.9 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 3H x 3V
Max Intensity: 284087.3 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.7°H x 13.6°V
Beam Lumens: 8918.7 lumens
Beam Efficiency: 29.6%

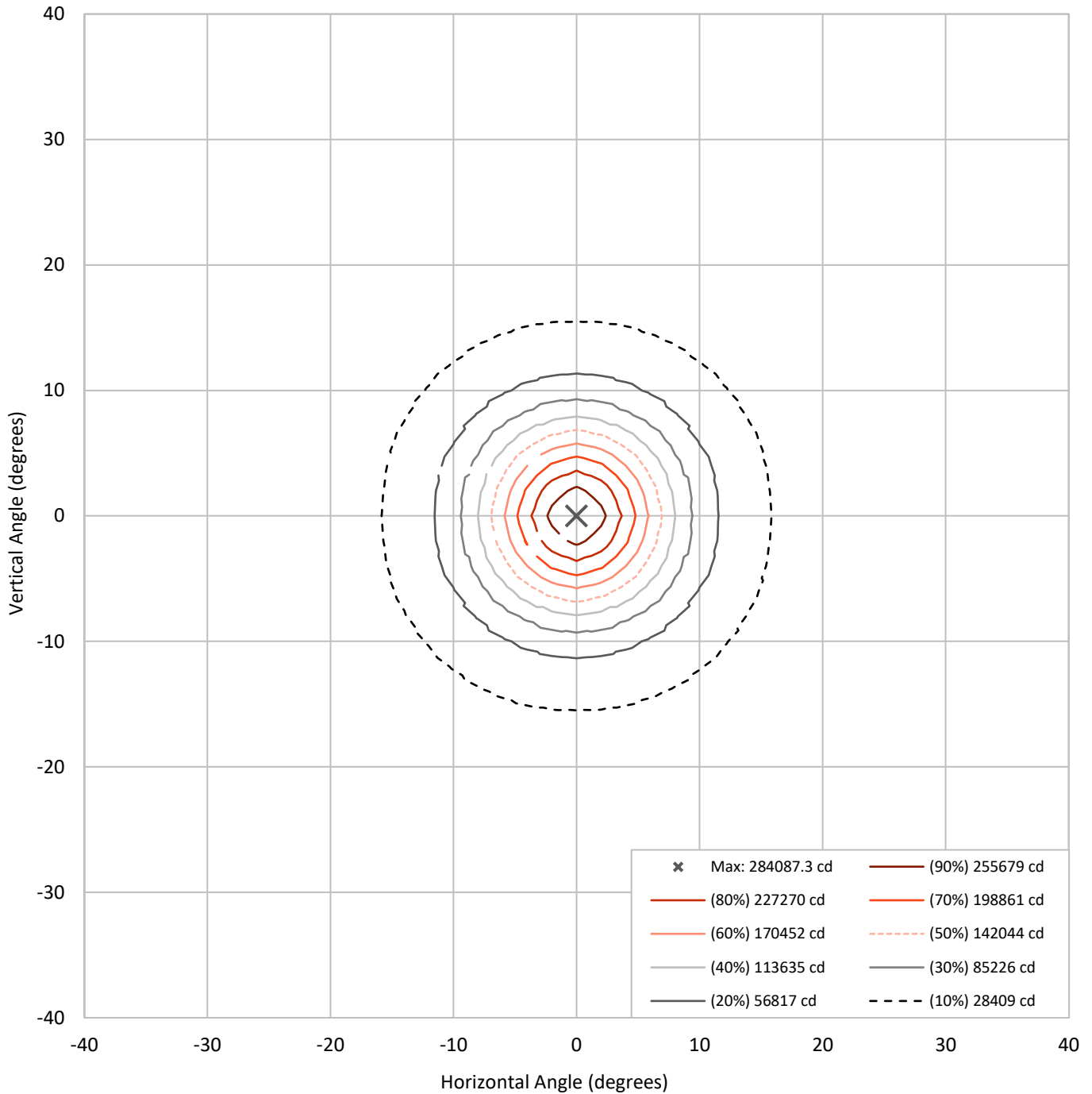
Field Angle (10%): 31.6°H x 30.6°V
Field Lumens: 20070.8 lumens
Field Efficiency: 66.5%

Input Watts (W): 255.9
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





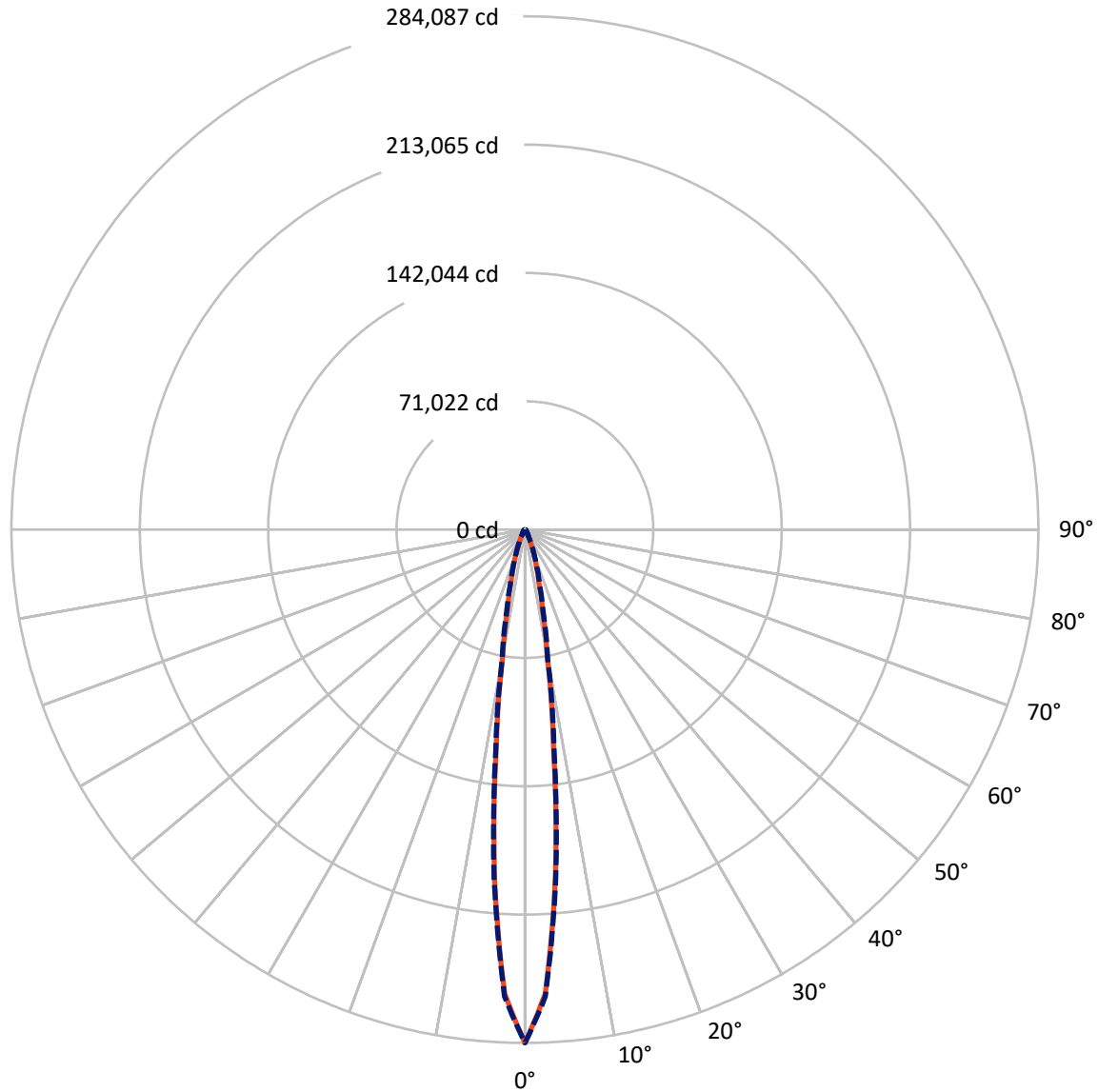
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Lumen Table

90	0.5	4.1		10.9		17.6		19.2		17.6		10.9		4.1		0.5			
80	0.5	4.1		10.9		17.6		19.2		17.6		10.9		4.1		0.5			
70	1.9	2.1	4.4	7.1	10.1	12.4	13.9	14.5	14.5	13.9	12.4	10.1	7.1	4.4	2.1	1.9			
60		3.2	6.6	10.6	14.3	17.4	19.5	20.3	20.3	19.5	17.4	14.3	10.6	6.6	3.2				
50	3.3	4.2	8.5	13.1	17.4	21.9	25.8	27.9	27.9	25.8	21.9	17.4	13.1	8.5	4.2	3.3			
40		5.1	10.0	15.1	21.4	30.9	43.5	53.8	53.8	43.5	30.9	21.4	15.1	10.0	5.1				
30	4.3	5.7	10.9	17.1	27.8	55.1	125.5	207.8	207.8	125.5	55.1	27.8	17.1	10.9	5.7	4.3			
20		6.1	11.5	18.8	36.8	117.0	415.6	895.1	895.1	415.6	117.0	36.8	18.8	11.5	6.1				
10	4.6	6.3	11.7	20.0	44.5	192.9	903.4	3902.6	3902.6	903.4	192.9	44.5	20.0	11.7	6.3	4.6			
0		6.3	11.7	20.0	44.5	192.9	903.4	3902.6	3902.6	903.4	192.9	44.5	20.0	11.7	6.3				
-10	4.3	6.1	11.5	18.8	36.8	117.0	415.6	895.1	895.1	415.6	117.0	36.8	18.8	11.5	6.1	4.3			
-20		5.7	10.9	17.1	27.8	55.1	125.5	207.8	207.8	125.5	55.1	27.8	17.1	10.9	5.7				
-30	3.3	5.1	10.0	15.1	21.4	30.9	43.5	53.8	53.8	43.5	30.9	21.4	15.1	10.0	5.1	3.3			
-40		4.2	8.5	13.1	17.4	21.9	25.8	27.9	27.9	25.8	21.9	17.4	13.1	8.5	4.2				
-50	1.9	3.2	6.6	10.6	14.3	17.4	19.5	20.3	20.3	19.5	17.4	14.3	10.6	6.6	3.2	1.9			
-60		2.1	4.4	7.1	10.1	12.4	13.9	14.5	14.5	13.9	12.4	10.1	7.1	4.4	2.1				
-70	0.5	4.1		10.9		17.6		19.2		17.6		10.9		4.1		0.5			
-80		4.1		10.9		17.6		19.2		17.6		10.9		4.1					
-90	0.5	4.1		10.9		17.6		19.2		17.6		10.9		4.1		0.5			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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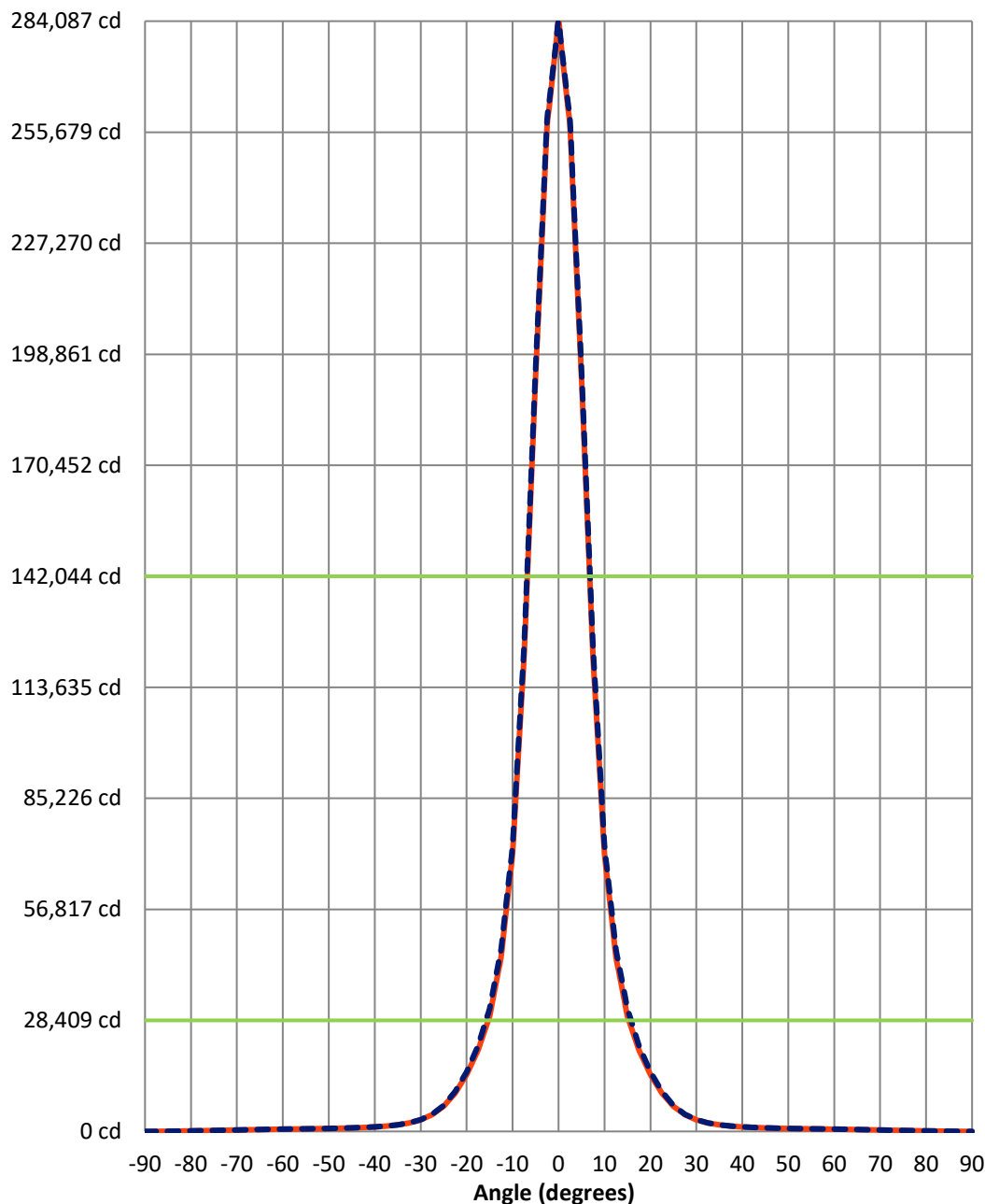
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 13.7°
 V Angle: 13.6°
 Lumens: 8918.7
 Efficiency: 29.6%

Field:
 H Angle: 31.6°
 V Angle: 30.6°
 Lumens: 20070.8
 Efficiency: 66.5%

Spill:
 Lumens: 10095.2
 Efficiency: 33.5%

- 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	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
85°	0.0	1.9	4.2	6.3	8.4	10.5	12.6	14.6	16.6	18.6	20.5
82.5°	0.0	2.8	6.3	9.5	12.6	15.7	18.8	21.9	25.2	29.6	34.0
80°	0.0	3.7	8.4	12.6	16.8	20.9	25.4	31.5	37.5	43.5	49.3
77.5°	0.0	4.6	10.4	15.7	20.9	26.9	34.7	42.3	49.9	57.3	65.1
75°	0.0	5.5	12.5	18.8	25.3	34.2	43.8	53.0	62.2	72.6	82.7
72.5°	0.0	6.4	14.4	21.9	30.9	41.4	52.7	64.1	76.3	88.3	100.1
70°	0.0	7.2	16.4	25.0	36.3	48.5	61.7	76.3	90.2	103.9	119.3
67.5°	0.0	8.1	18.2	28.9	41.6	55.4	71.9	88.3	103.9	121.4	138.7
65°	0.0	8.9	20.0	32.7	46.8	62.9	81.9	100.1	119.3	138.7	159.1
62.5°	0.0	9.7	21.8	36.3	51.9	71.1	91.7	112.9	134.4	156.3	181.9
60°	0.0	10.4	23.5	39.9	56.8	79.0	101.2	125.9	149.2	176.0	204.1
57.5°	0.0	11.2	25.7	43.4	62.9	86.8	111.7	138.5	165.4	195.0	225.5
55°	0.0	11.9	27.8	46.7	69.0	94.3	122.1	150.6	181.4	213.3	246.2
52.5°	0.0	12.6	29.9	49.9	74.8	101.8	132.2	163.6	196.9	230.9	266.0
50°	0.0	13.2	32.0	52.9	80.4	109.9	141.9	176.4	211.7	247.7	285.1
47.5°	0.0	13.9	34.0	56.1	85.9	117.7	151.4	188.7	225.8	263.7	303.7
45°	0.0	14.4	35.9	60.0	91.1	125.2	161.5	200.6	239.3	280.1	321.9
42.5°	0.0	15.0	37.7	63.8	96.0	132.3	171.2	211.9	252.3	296.1	339.7
40°	0.0	15.5	39.5	67.4	101.1	139.1	180.5	222.7	265.1	311.5	356.9
37.5°	0.0	16.0	41.2	70.9	106.2	145.5	189.2	232.9	277.8	325.8	373.6
35°	0.0	16.4	42.8	74.2	111.1	152.1	197.5	242.6	289.7	339.3	389.7
32.5°	0.0	16.8	44.4	77.3	115.6	158.5	205.2	251.7	300.6	352.0	403.6
30°	0.0	17.1	45.8	80.2	119.8	164.5	212.4	260.2	310.6	363.8	416.3
27.5°	0.0	17.5	47.2	82.9	123.9	170.0	219.0	268.3	319.8	374.6	427.7
25°	0.0	17.7	48.4	85.4	127.7	175.1	225.1	275.6	328.6	384.1	437.8
22.5°	0.0	18.0	49.6	87.6	131.1	179.6	230.6	282.0	336.4	392.3	446.6
20°	0.0	18.2	50.6	89.7	134.2	183.6	235.5	287.7	343.3	399.4	454.5
17.5°	0.0	18.3	51.6	91.5	137.0	186.9	239.6	292.5	349.4	405.4	461.5
15°	0.0	18.4	52.4	93.0	139.4	189.7	242.9	296.8	354.5	410.2	467.5
12.5°	0.0	18.5	53.1	94.4	141.4	191.9	245.6	300.8	358.8	414.0	472.6
10°	0.0	18.5	53.7	95.4	143.1	193.5	247.7	304.1	362.1	418.1	477.4
7.5°	0.0	18.5	54.2	96.3	144.4	194.6	249.1	306.8	364.4	421.5	483.0
5°	0.0	18.5	54.5	96.9	145.4	195.2	249.9	308.8	365.6	424.0	487.6
2.5°	0.0	18.4	54.7	97.3	145.9	195.2	250.1	310.0	365.9	425.6	490.9
0°	0.0	18.3	54.8	97.4	146.1	194.8	249.6	310.4	365.2	426.1	493.0
-2.5°	0.0	18.4	54.7	97.3	145.9	195.2	250.1	310.0	365.9	425.6	490.9
-5°	0.0	18.5	54.5	96.9	145.4	195.2	249.9	308.8	365.6	424.0	487.6
-7.5°	0.0	18.5	54.2	96.3	144.4	194.6	249.1	306.8	364.4	421.5	483.0
-10°	0.0	18.5	53.7	95.4	143.1	193.5	247.7	304.1	362.1	418.1	477.4
-12.5°	0.0	18.5	53.1	94.4	141.4	191.9	245.6	300.8	358.8	414.0	472.6
-15°	0.0	18.4	52.4	93.0	139.4	189.7	242.9	296.8	354.5	410.2	467.5
-17.5°	0.0	18.3	51.6	91.5	137.0	186.9	239.6	292.5	349.4	405.4	461.5
-20°	0.0	18.2	50.6	89.7	134.2	183.6	235.5	287.7	343.3	399.4	454.5

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Scaled Data Report



REPORT NUMBER: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.0	49.6	87.6	131.1	179.6	230.6	282.0	336.4	392.3	446.6
-25°	0.0	17.7	48.4	85.4	127.7	175.1	225.1	275.6	328.6	384.1	437.8
-27.5°	0.0	17.5	47.2	82.9	123.9	170.0	219.0	268.3	319.8	374.6	427.7
-30°	0.0	17.1	45.8	80.2	119.8	164.5	212.4	260.2	310.6	363.8	416.3
-32.5°	0.0	16.8	44.4	77.3	115.6	158.5	205.2	251.7	300.6	352.0	403.6
-35°	0.0	16.4	42.8	74.2	111.1	152.1	197.5	242.6	289.7	339.3	389.7
-37.5°	0.0	16.0	41.2	70.9	106.2	145.5	189.2	232.9	277.8	325.8	373.6
-40°	0.0	15.5	39.5	67.4	101.1	139.1	180.5	222.7	265.1	311.5	356.9
-42.5°	0.0	15.0	37.7	63.8	96.0	132.3	171.2	211.9	252.3	296.1	339.7
-45°	0.0	14.4	35.9	60.0	91.1	125.2	161.5	200.6	239.3	280.1	321.9
-47.5°	0.0	13.9	34.0	56.1	85.9	117.7	151.4	188.7	225.8	263.7	303.7
-50°	0.0	13.2	32.0	52.9	80.4	109.9	141.9	176.4	211.7	247.7	285.1
-52.5°	0.0	12.6	29.9	49.9	74.8	101.8	132.2	163.6	196.9	230.9	266.0
-55°	0.0	11.9	27.8	46.7	69.0	94.3	122.1	150.6	181.4	213.3	246.2
-57.5°	0.0	11.2	25.7	43.4	62.9	86.8	111.7	138.5	165.4	195.0	225.5
-60°	0.0	10.4	23.5	39.9	56.8	79.0	101.2	125.9	149.2	176.0	204.1
-62.5°	0.0	9.7	21.8	36.3	51.9	71.1	91.7	112.9	134.4	156.3	181.9
-65°	0.0	8.9	20.0	32.7	46.8	62.9	81.9	100.1	119.3	138.7	159.1
-67.5°	0.0	8.1	18.2	28.9	41.6	55.4	71.9	88.3	103.9	121.4	138.7
-70°	0.0	7.2	16.4	25.0	36.3	48.5	61.7	76.3	90.2	103.9	119.3
-72.5°	0.0	6.4	14.4	21.9	30.9	41.4	52.7	64.1	76.3	88.3	100.1
-75°	0.0	5.5	12.5	18.8	25.3	34.2	43.8	53.0	62.2	72.6	82.7
-77.5°	0.0	4.6	10.4	15.7	20.9	26.9	34.7	42.3	49.9	57.3	65.1
-80°	0.0	3.7	8.4	12.6	16.8	20.9	25.4	31.5	37.5	43.5	49.3
-82.5°	0.0	2.8	6.3	9.5	12.6	15.7	18.8	21.9	25.2	29.6	34.0
-85°	0.0	1.9	4.2	6.3	8.4	10.5	12.6	14.6	16.6	18.6	20.5
-87.5°	0.0	0.9	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
-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°	11.2	12.1	13.1	13.9	14.8	15.6	16.4	17.2	17.9	18.6	19.3
85°	22.4	24.3	27.0	29.7	31.9	33.9	35.5	36.9	39.4	42.1	44.8
82.5°	38.3	42.5	46.6	50.6	53.3	55.5	57.6	60.7	66.1	71.2	75.9
80°	55.0	60.6	66.9	73.1	78.4	83.7	89.2	94.8	100.8	106.3	111.7
77.5°	73.4	81.6	89.5	97.2	104.9	113.2	121.2	128.9	136.3	143.3	150.0
75°	92.7	102.4	113.1	123.7	134.0	144.0	153.7	164.1	174.1	183.6	192.7
72.5°	112.9	125.9	138.5	150.9	164.2	177.2	189.9	202.0	213.8	226.3	239.4
70°	134.4	149.2	165.7	181.5	196.3	211.9	227.5	241.0	253.8	270.9	288.4
67.5°	156.5	176.5	195.1	212.9	232.8	251.2	267.1	284.2	302.4	322.2	339.5
65°	182.6	204.3	225.9	248.5	271.4	290.6	310.5	331.7	352.3	372.0	390.7
62.5°	208.3	232.8	257.7	282.3	305.9	328.9	352.9	376.5	399.1	422.1	442.2
60°	233.1	261.0	287.3	312.9	339.7	368.2	394.8	420.9	448.1	474.1	487.6
57.5°	257.0	286.8	314.3	343.2	374.5	406.7	434.7	464.3	487.6	505.6	523.1
55°	279.6	310.5	340.7	373.1	407.1	440.6	471.8	498.1	519.7	536.1	554.7
52.5°	300.7	333.3	366.1	401.5	437.7	473.4	506.0	530.7	550.0	566.9	584.3
50°	321.4	355.7	390.3	429.1	467.9	505.9	537.8	560.3	578.6	596.0	613.9
47.5°	341.8	377.7	415.0	456.4	498.4	535.1	565.3	585.9	604.4	624.7	644.4
45°	361.7	400.6	440.1	484.5	526.8	562.1	587.8	608.5	631.3	653.3	674.3
42.5°	381.3	423.2	466.0	512.1	552.9	584.7	608.7	633.2	657.7	681.1	704.8
40°	400.9	444.8	490.3	536.1	577.1	604.6	630.0	656.4	683.4	708.8	735.2
37.5°	419.7	465.2	512.1	558.3	595.6	623.5	649.9	679.0	707.5	735.2	769.5
35°	437.6	483.8	531.0	575.8	611.7	640.5	670.1	700.7	730.6	766.5	805.5
32.5°	453.6	500.5	548.3	590.0	625.2	656.3	689.4	721.3	757.3	797.9	844.8
30°	467.1	515.1	563.1	603.8	638.2	671.1	707.0	742.2	784.3	833.1	888.8
27.5°	479.0	528.2	574.9	615.6	650.6	683.3	721.1	765.6	813.8	868.6	934.1
25°	490.1	541.4	586.0	626.4	660.4	694.6	735.1	784.3	842.4	908.3	988.5
22.5°	500.5	554.1	597.2	636.7	668.1	705.1	750.7	804.2	867.3	944.6	1042.2
20°	510.5	563.6	606.3	644.7	673.9	714.2	764.4	821.6	893.3	985.5	1098.4
17.5°	519.7	571.8	613.3	649.5	681.5	724.0	776.6	835.8	915.9	1022.6	1150.0
15°	528.1	578.6	619.0	653.3	688.3	734.2	789.2	853.4	940.9	1058.0	1195.7
12.5°	535.5	584.1	623.3	656.3	693.8	742.5	800.4	871.6	967.7	1092.7	1253.7
10°	541.8	588.3	626.4	658.4	697.8	748.9	809.8	886.5	989.1	1119.7	1298.2
7.5°	547.2	591.7	628.4	659.5	700.5	753.3	817.1	897.9	1004.1	1138.8	1330.4
5°	551.0	594.4	631.0	663.3	704.6	756.9	822.5	905.6	1012.9	1150.2	1350.4
2.5°	553.2	596.0	632.5	666.8	709.0	759.9	826.5	914.1	1020.1	1161.3	1365.8
0°	553.9	596.5	633.0	669.5	712.1	760.8	827.8	919.1	1022.6	1168.6	1375.6
-2.5°	553.2	596.0	632.5	666.8	709.0	759.9	826.5	914.1	1020.1	1161.3	1365.8
-5°	551.0	594.4	631.0	663.3	704.6	756.9	822.5	905.6	1012.9	1150.2	1350.4
-7.5°	547.2	591.7	628.4	659.5	700.5	753.3	817.1	897.9	1004.1	1138.8	1330.4
-10°	541.8	588.3	626.4	658.4	697.8	748.9	809.8	886.5	989.1	1119.7	1298.2
-12.5°	535.5	584.1	623.3	656.3	693.8	742.5	800.4	871.6	967.7	1092.7	1253.7
-15°	528.1	578.6	619.0	653.3	688.3	734.2	789.2	853.4	940.9	1058.0	1195.7
-17.5°	519.7	571.8	613.3	649.5	681.5	724.0	776.6	835.8	915.9	1022.6	1150.0
-20°	510.5	563.6	606.3	644.7	673.9	714.2	764.4	821.6	893.3	985.5	1098.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	500.5	554.1	597.2	636.7	668.1	705.1	750.7	804.2	867.3	944.6	1042.2
-25°	490.1	541.4	586.0	626.4	660.4	694.6	735.1	784.3	842.4	908.3	988.5
-27.5°	479.0	528.2	574.9	615.6	650.6	683.3	721.1	765.6	813.8	868.6	934.1
-30°	467.1	515.1	563.1	603.8	638.2	671.1	707.0	742.2	784.3	833.1	888.8
-32.5°	453.6	500.5	548.3	590.0	625.2	656.3	689.4	721.3	757.3	797.9	844.8
-35°	437.6	483.8	531.0	575.8	611.7	640.5	670.1	700.7	730.6	766.5	805.5
-37.5°	419.7	465.2	512.1	558.3	595.6	623.5	649.9	679.0	707.5	735.2	769.5
-40°	400.9	444.8	490.3	536.1	577.1	604.6	630.0	656.4	683.4	708.8	735.2
-42.5°	381.3	423.2	466.0	512.1	552.9	584.7	608.7	633.2	657.7	681.1	704.8
-45°	361.7	400.6	440.1	484.5	526.8	562.1	587.8	608.5	631.3	653.3	674.3
-47.5°	341.8	377.7	415.0	456.4	498.4	535.1	565.3	585.9	604.4	624.7	644.4
-50°	321.4	355.7	390.3	429.1	467.9	505.9	537.8	560.3	578.6	596.0	613.9
-52.5°	300.7	333.3	366.1	401.5	437.7	473.4	506.0	530.7	550.0	566.9	584.3
-55°	279.6	310.5	340.7	373.1	407.1	440.6	471.8	498.1	519.7	536.1	554.7
-57.5°	257.0	286.8	314.3	343.2	374.5	406.7	434.7	464.3	487.6	505.6	523.1
-60°	233.1	261.0	287.3	312.9	339.7	368.2	394.8	420.9	448.1	474.1	487.6
-62.5°	208.3	232.8	257.7	282.3	305.9	328.9	352.9	376.5	399.1	422.1	442.2
-65°	182.6	204.3	225.9	248.5	271.4	290.6	310.5	331.7	352.3	372.0	390.7
-67.5°	156.5	176.5	195.1	212.9	232.8	251.2	267.1	284.2	302.4	322.2	339.5
-70°	134.4	149.2	165.7	181.5	196.3	211.9	227.5	241.0	253.8	270.9	288.4
-72.5°	112.9	125.9	138.5	150.9	164.2	177.2	189.9	202.0	213.8	226.3	239.4
-75°	92.7	102.4	113.1	123.7	134.0	144.0	153.7	164.1	174.1	183.6	192.7
-77.5°	73.4	81.6	89.5	97.2	104.9	113.2	121.2	128.9	136.3	143.3	150.0
-80°	55.0	60.6	66.9	73.1	78.4	83.7	89.2	94.8	100.8	106.3	111.7
-82.5°	38.3	42.5	46.6	50.6	53.3	55.5	57.6	60.7	66.1	71.2	75.9
-85°	22.4	24.3	27.0	29.7	31.9	33.9	35.5	36.9	39.4	42.1	44.8
-87.5°	11.2	12.1	13.1	13.9	14.8	15.6	16.4	17.2	17.9	18.6	19.3
-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: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-NR-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°	19.9	20.5	21.0	21.6	22.0	22.4	22.8	23.2	23.5	22.3	21.0
85°	47.6	49.4	51.1	52.6	54.0	55.3	56.5	57.5	58.4	57.7	56.8
82.5°	80.2	83.4	86.3	89.0	91.5	93.7	95.8	97.6	99.1	99.0	98.5
80°	116.7	121.9	127.2	132.4	137.5	140.5	142.8	144.5	145.6	146.1	146.3
77.5°	156.8	164.9	173.3	181.6	189.7	194.4	197.7	200.5	202.7	203.2	202.8
75°	201.2	211.7	223.2	233.2	241.9	247.3	251.0	254.1	256.7	257.3	257.0
72.5°	253.0	265.8	276.1	284.6	292.0	297.7	302.4	306.3	309.6	310.9	311.1
70°	303.8	316.5	326.3	335.0	342.2	348.1	353.7	358.5	362.4	365.3	367.5
67.5°	355.4	369.9	379.9	387.7	393.9	400.1	407.5	413.9	419.3	422.9	424.7
65°	408.2	423.2	432.9	441.4	448.9	456.9	465.1	471.2	475.2	477.6	479.3
62.5°	459.5	473.4	485.6	497.0	507.8	516.9	522.5	527.6	531.9	535.6	538.3
60°	503.4	521.3	534.9	545.8	556.4	566.7	573.6	579.1	583.4	586.6	588.6
57.5°	541.0	559.1	575.2	585.7	597.3	609.5	617.6	622.2	626.5	630.2	631.9
55°	573.8	590.6	605.4	619.8	632.7	643.8	652.3	658.6	663.8	668.0	669.4
52.5°	603.4	621.6	639.0	654.3	667.0	677.5	686.0	693.8	699.7	703.7	705.5
50°	634.4	654.0	672.7	689.4	702.4	714.3	724.8	734.0	742.7	749.6	754.6
47.5°	664.9	685.8	706.4	724.8	740.5	757.6	773.0	786.0	798.8	809.1	816.2
45°	695.7	719.8	742.2	766.0	787.2	809.6	830.5	848.4	866.9	880.9	890.3
42.5°	729.8	757.3	784.3	813.8	842.7	871.9	903.5	931.7	953.6	974.0	990.6
40°	766.5	797.9	833.1	869.3	911.9	950.5	993.0	1029.5	1062.4	1097.3	1125.0
37.5°	805.5	844.8	891.0	939.5	994.6	1047.5	1102.9	1157.5	1205.1	1261.2	1304.0
35°	848.7	901.1	958.0	1023.6	1092.2	1167.9	1243.8	1331.5	1407.0	1490.0	1562.3
32.5°	899.8	962.3	1037.1	1123.6	1211.7	1326.6	1433.9	1573.5	1694.2	1826.0	1958.6
30°	952.4	1034.2	1130.6	1239.5	1379.6	1537.6	1713.7	1921.4	2135.5	2342.6	2592.5
27.5°	1017.5	1116.2	1233.0	1392.2	1598.3	1811.8	2114.7	2426.5	2819.9	3145.4	3604.3
25°	1085.3	1201.3	1367.2	1583.8	1852.8	2223.5	2683.1	3181.2	3873.5	4481.8	5195.2
22.5°	1158.9	1315.7	1522.1	1789.4	2197.3	2766.2	3462.1	4399.9	5421.1	6505.3	7583.8
20°	1235.7	1425.4	1695.9	2083.3	2643.0	3413.6	4608.3	6056.0	7514.8	9303.8	10887.9
17.5°	1324.6	1566.0	1899.4	2383.9	3130.8	4311.1	5968.5	7989.5	10252.9	12825.1	15108.8
15°	1398.6	1686.5	2107.3	2785.2	3812.4	5328.2	7418.3	10198.7	13599.8	17054.3	20559.1
12.5°	1484.6	1817.6	2311.9	3120.1	4410.3	6424.8	9269.7	12788.8	17036.5	21828.0	27476.6
10°	1560.9	1946.3	2560.8	3561.2	5137.9	7568.4	11021.1	15254.8	20736.4	27630.4	36377.7
7.5°	1617.5	2048.8	2752.9	3896.9	5766.9	8667.9	12675.7	17955.2	24920.5	34024.0	46029.0
5°	1654.2	2122.9	2888.8	4155.9	6259.3	9486.2	13888.4	19870.5	28273.7	41149.0	61477.8
2.5°	1676.2	2166.8	2966.4	4307.8	6558.8	10028.4	14811.1	21318.8	30446.8	45552.2	71414.2
0°	1686.0	2179.0	3012.9	4388.5	6658.8	10237.7	15234.8	21978.8	31419.2	46581.0	73161.3
-2.5°	1676.2	2166.8	2966.4	4307.8	6558.8	10028.4	14811.1	21318.8	30446.8	45552.2	71414.2
-5°	1654.2	2122.9	2888.8	4155.9	6259.3	9486.2	13888.4	19870.5	28273.7	41149.0	61477.8
-7.5°	1617.5	2048.8	2752.9	3896.9	5766.9	8667.9	12675.7	17955.2	24920.5	34024.0	46029.0
-10°	1560.9	1946.3	2560.8	3561.2	5137.9	7568.4	11021.1	15254.8	20736.4	27630.4	36377.7
-12.5°	1484.6	1817.6	2311.9	3120.1	4410.3	6424.8	9269.7	12788.8	17036.5	21828.0	27476.6
-15°	1398.6	1686.5	2107.3	2785.2	3812.4	5328.2	7418.3	10198.7	13599.8	17054.3	20559.1
-17.5°	1324.6	1566.0	1899.4	2383.9	3130.8	4311.1	5968.5	7989.5	10252.9	12825.1	15108.8
-20°	1235.7	1425.4	1695.9	2083.3	2643.0	3413.6	4608.3	6056.0	7514.8	9303.8	10887.9

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1158.9	1315.7	1522.1	1789.4	2197.3	2766.2	3462.1	4399.9	5421.1	6505.3	7583.8
-25°	1085.3	1201.3	1367.2	1583.8	1852.8	2223.5	2683.1	3181.2	3873.5	4481.8	5195.2
-27.5°	1017.5	1116.2	1233.0	1392.2	1598.3	1811.8	2114.7	2426.5	2819.9	3145.4	3604.3
-30°	952.4	1034.2	1130.6	1239.5	1379.6	1537.6	1713.7	1921.4	2135.5	2342.6	2592.5
-32.5°	899.8	962.3	1037.1	1123.6	1211.7	1326.6	1433.9	1573.5	1694.2	1826.0	1958.6
-35°	848.7	901.1	958.0	1023.6	1092.2	1167.9	1243.8	1331.5	1407.0	1490.0	1562.3
-37.5°	805.5	844.8	891.0	939.5	994.6	1047.5	1102.9	1157.5	1205.1	1261.2	1304.0
-40°	766.5	797.9	833.1	869.3	911.9	950.5	993.0	1029.5	1062.4	1097.3	1125.0
-42.5°	729.8	757.3	784.3	813.8	842.7	871.9	903.5	931.7	953.6	974.0	990.6
-45°	695.7	719.8	742.2	766.0	787.2	809.6	830.5	848.4	866.9	880.9	890.3
-47.5°	664.9	685.8	706.4	724.8	740.5	757.6	773.0	786.0	798.8	809.1	816.2
-50°	634.4	654.0	672.7	689.4	702.4	714.3	724.8	734.0	742.7	749.6	754.6
-52.5°	603.4	621.6	639.0	654.3	667.0	677.5	686.0	693.8	699.7	703.7	705.5
-55°	573.8	590.6	605.4	619.8	632.7	643.8	652.3	658.6	663.8	668.0	669.4
-57.5°	541.0	559.1	575.2	585.7	597.3	609.5	617.6	622.2	626.5	630.2	631.9
-60°	503.4	521.3	534.9	545.8	556.4	566.7	573.6	579.1	583.4	586.6	588.6
-62.5°	459.5	473.4	485.6	497.0	507.8	516.9	522.5	527.6	531.9	535.6	538.3
-65°	408.2	423.2	432.9	441.4	448.9	456.9	465.1	471.2	475.2	477.6	479.3
-67.5°	355.4	369.9	379.9	387.7	393.9	400.1	407.5	413.9	419.3	422.9	424.7
-70°	303.8	316.5	326.3	335.0	342.2	348.1	353.7	358.5	362.4	365.3	367.5
-72.5°	253.0	265.8	276.1	284.6	292.0	297.7	302.4	306.3	309.6	310.9	311.1
-75°	201.2	211.7	223.2	233.2	241.9	247.3	251.0	254.1	256.7	257.3	257.0
-77.5°	156.8	164.9	173.3	181.6	189.7	194.4	197.7	200.5	202.7	203.2	202.8
-80°	116.7	121.9	127.2	132.4	137.5	140.5	142.8	144.5	145.6	146.1	146.3
-82.5°	80.2	83.4	86.3	89.0	91.5	93.7	95.8	97.6	99.1	99.0	98.5
-85°	47.6	49.4	51.1	52.6	54.0	55.3	56.5	57.5	58.4	57.7	56.8
-87.5°	19.9	20.5	21.0	21.6	22.0	22.4	22.8	23.2	23.5	22.3	21.0
-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: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-NR-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°	19.6	18.2	18.3	18.3	18.3	18.2	19.6	21.0	22.3	23.5	23.2
85°	55.7	54.5	54.7	54.8	54.7	54.5	55.7	56.8	57.7	58.4	57.5
82.5°	97.9	96.9	97.3	97.4	97.3	96.9	97.9	98.5	99.0	99.1	97.6
80°	146.0	145.4	142.9	140.0	142.9	145.4	146.0	146.3	146.1	145.6	144.5
77.5°	201.7	200.0	197.7	194.8	197.7	200.0	201.7	202.8	203.2	202.7	200.5
75°	256.1	254.5	255.3	255.6	255.3	254.5	256.1	257.0	257.3	256.7	254.1
72.5°	310.5	309.2	310.0	310.4	310.0	309.2	310.5	311.1	310.9	309.6	306.3
70°	368.9	369.6	368.0	365.2	368.0	369.6	368.9	367.5	365.3	362.4	358.5
67.5°	425.3	424.6	422.8	420.0	422.8	424.6	425.3	424.7	422.9	419.3	413.9
65°	479.8	479.2	480.2	480.8	480.2	479.2	479.8	479.3	477.6	475.2	471.2
62.5°	539.7	539.7	538.4	535.6	538.4	539.7	539.7	538.3	535.6	531.9	527.6
60°	589.3	588.9	587.2	584.3	587.2	588.9	589.3	588.6	586.6	583.4	579.1
57.5°	632.4	631.8	629.9	626.9	629.9	631.8	632.4	631.9	630.2	626.5	622.2
55°	669.5	668.6	666.6	663.4	666.6	668.6	669.5	669.4	668.0	663.8	658.6
52.5°	705.9	705.1	705.4	706.0	705.4	705.1	705.9	705.5	703.7	699.7	693.8
50°	757.6	758.6	757.7	754.7	757.7	758.6	757.6	754.6	749.6	742.7	734.0
47.5°	819.6	820.0	818.5	815.6	818.5	820.0	819.6	816.2	809.1	798.8	786.0
45°	897.7	902.1	903.3	900.8	903.3	902.1	897.7	890.3	880.9	866.9	848.4
42.5°	1003.4	1010.3	1012.3	1010.4	1012.3	1010.3	1003.4	990.6	974.0	953.6	931.7
40°	1142.1	1150.0	1151.5	1150.4	1151.5	1150.0	1142.1	1125.0	1097.3	1062.4	1029.5
37.5°	1334.1	1353.3	1362.4	1363.4	1362.4	1353.3	1334.1	1304.0	1261.2	1205.1	1157.5
35°	1617.4	1655.7	1676.1	1686.0	1676.1	1655.7	1617.4	1562.3	1490.0	1407.0	1331.5
32.5°	2059.1	2135.7	2178.1	2172.9	2178.1	2135.7	2059.1	1958.6	1826.0	1694.2	1573.5
30°	2780.8	2914.7	2982.0	2964.2	2982.0	2914.7	2780.8	2592.5	2342.6	2135.5	1921.4
27.5°	3933.9	4175.8	4315.6	4297.2	4315.6	4175.8	3933.9	3604.3	3145.4	2819.9	2426.5
25°	5791.6	6233.1	6515.8	6445.7	6515.8	6233.1	5791.6	5195.2	4481.8	3873.5	3181.2
22.5°	8617.7	9365.6	9860.6	9799.5	9860.6	9365.6	8617.7	7583.8	6505.3	5421.1	4399.9
20°	12494.2	13632.6	14445.5	14553.1	14445.5	13632.6	12494.2	10887.9	9303.8	7514.8	6056.0
17.5°	17575.6	19380.6	20637.0	20846.7	20637.0	19380.6	17575.6	15108.8	12825.1	10252.9	7989.5
15°	24179.7	27129.7	29264.8	29441.0	29264.8	27129.7	24179.7	20559.1	17054.3	13599.8	10198.7
12.5°	33146.9	39080.4	42952.8	44657.6	42952.8	39080.4	33146.9	27476.6	21828.0	17036.5	12788.8
10°	45557.2	59186.0	67914.1	71195.3	67914.1	59186.0	45557.2	36377.7	27630.4	20736.4	15254.8
7.5°	66286.0	87683.6	111472.1	121610.9	111472.1	87683.6	66286.0	46029.0	34024.0	24920.5	17955.2
5°	89759.9	134168.3	176408.7	192903.5	176408.7	134168.3	89759.9	61477.8	41149.0	28273.7	19870.5
2.5°	114460.3	176359.3	234363.4	257047.5	234363.4	176359.3	114460.3	71414.2	45552.2	30446.8	21318.8
0°	124106.4	194833.0	258651.3	284087.3	258651.3	194833.0	124106.4	73161.3	46581.0	31419.2	21978.8
-2.5°	114460.3	176359.3	234363.4	257047.5	234363.4	176359.3	114460.3	71414.2	45552.2	30446.8	21318.8
-5°	89759.9	134168.3	176408.7	192903.5	176408.7	134168.3	89759.9	61477.8	41149.0	28273.7	19870.5
-7.5°	66286.0	87683.6	111472.1	121610.9	111472.1	87683.6	66286.0	46029.0	34024.0	24920.5	17955.2
-10°	45557.2	59186.0	67914.1	71195.3	67914.1	59186.0	45557.2	36377.7	27630.4	20736.4	15254.8
-12.5°	33146.9	39080.4	42952.8	44657.6	42952.8	39080.4	33146.9	27476.6	21828.0	17036.5	12788.8
-15°	24179.7	27129.7	29264.8	29441.0	29264.8	27129.7	24179.7	20559.1	17054.3	13599.8	10198.7
-17.5°	17575.6	19380.6	20637.0	20846.7	20637.0	19380.6	17575.6	15108.8	12825.1	10252.9	7989.5
-20°	12494.2	13632.6	14445.5	14553.1	14445.5	13632.6	12494.2	10887.9	9303.8	7514.8	6056.0

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REPORT NUMBER: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8617.7	9365.6	9860.6	9799.5	9860.6	9365.6	8617.7	7583.8	6505.3	5421.1	4399.9
-25°	5791.6	6233.1	6515.8	6445.7	6515.8	6233.1	5791.6	5195.2	4481.8	3873.5	3181.2
-27.5°	3933.9	4175.8	4315.6	4297.2	4315.6	4175.8	3933.9	3604.3	3145.4	2819.9	2426.5
-30°	2780.8	2914.7	2982.0	2964.2	2982.0	2914.7	2780.8	2592.5	2342.6	2135.5	1921.4
-32.5°	2059.1	2135.7	2178.1	2172.9	2178.1	2135.7	2059.1	1958.6	1826.0	1694.2	1573.5
-35°	1617.4	1655.7	1676.1	1686.0	1676.1	1655.7	1617.4	1562.3	1490.0	1407.0	1331.5
-37.5°	1334.1	1353.3	1362.4	1363.4	1362.4	1353.3	1334.1	1304.0	1261.2	1205.1	1157.5
-40°	1142.1	1150.0	1151.5	1150.4	1151.5	1150.0	1142.1	1125.0	1097.3	1062.4	1029.5
-42.5°	1003.4	1010.3	1012.3	1010.4	1012.3	1010.3	1003.4	990.6	974.0	953.6	931.7
-45°	897.7	902.1	903.3	900.8	903.3	902.1	897.7	890.3	880.9	866.9	848.4
-47.5°	819.6	820.0	818.5	815.6	818.5	820.0	819.6	816.2	809.1	798.8	786.0
-50°	757.6	758.6	757.7	754.7	757.7	758.6	757.6	754.6	749.6	742.7	734.0
-52.5°	705.9	705.1	705.4	706.0	705.4	705.1	705.9	705.5	703.7	699.7	693.8
-55°	669.5	668.6	666.6	663.4	666.6	668.6	669.5	669.4	668.0	663.8	658.6
-57.5°	632.4	631.8	629.9	626.9	629.9	631.8	632.4	631.9	630.2	626.5	622.2
-60°	589.3	588.9	587.2	584.3	587.2	588.9	589.3	588.6	586.6	583.4	579.1
-62.5°	539.7	539.7	538.4	535.6	538.4	539.7	539.7	538.3	535.6	531.9	527.6
-65°	479.8	479.2	480.2	480.8	480.2	479.2	479.8	479.3	477.6	475.2	471.2
-67.5°	425.3	424.6	422.8	420.0	422.8	424.6	425.3	424.7	422.9	419.3	413.9
-70°	368.9	369.6	368.0	365.2	368.0	369.6	368.9	367.5	365.3	362.4	358.5
-72.5°	310.5	309.2	310.0	310.4	310.0	309.2	310.5	311.1	310.9	309.6	306.3
-75°	256.1	254.5	255.3	255.6	255.3	254.5	256.1	257.0	257.3	256.7	254.1
-77.5°	201.7	200.0	197.7	194.8	197.7	200.0	201.7	202.8	203.2	202.7	200.5
-80°	146.0	145.4	142.9	140.0	142.9	145.4	146.0	146.3	146.1	145.6	144.5
-82.5°	97.9	96.9	97.3	97.4	97.3	96.9	97.9	98.5	99.0	99.1	97.6
-85°	55.7	54.5	54.7	54.8	54.7	54.5	55.7	56.8	57.7	58.4	57.5
-87.5°	19.6	18.2	18.3	18.3	18.3	18.2	19.6	21.0	22.3	23.5	23.2
-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):

	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°	22.8	22.4	22.0	21.6	21.0	20.5	19.9	19.3	18.6	17.9	17.2
85°	56.5	55.3	54.0	52.6	51.1	49.4	47.6	44.8	42.1	39.4	36.9
82.5°	95.8	93.7	91.5	89.0	86.3	83.4	80.2	75.9	71.2	66.1	60.7
80°	142.8	140.5	137.5	132.4	127.2	121.9	116.7	111.7	106.3	100.8	94.8
77.5°	197.7	194.4	189.7	181.6	173.3	164.9	156.8	150.0	143.3	136.3	128.9
75°	251.0	247.3	241.9	233.2	223.2	211.7	201.2	192.7	183.6	174.1	164.1
72.5°	302.4	297.7	292.0	284.6	276.1	265.8	253.0	239.4	226.3	213.8	202.0
70°	353.7	348.1	342.2	335.0	326.3	316.5	303.8	288.4	270.9	253.8	241.0
67.5°	407.5	400.1	393.9	387.7	379.9	369.9	355.4	339.5	322.2	302.4	284.2
65°	465.1	456.9	448.9	441.4	432.9	423.2	408.2	390.7	372.0	352.3	331.7
62.5°	522.5	516.9	507.8	497.0	485.6	473.4	459.5	442.2	422.1	399.1	376.5
60°	573.6	566.7	556.4	545.8	534.9	521.3	503.4	487.6	474.1	448.1	420.9
57.5°	617.6	609.5	597.3	585.7	575.2	559.1	541.0	523.1	505.6	487.6	464.3
55°	652.3	643.8	632.7	619.8	605.4	590.6	573.8	554.7	536.1	519.7	498.1
52.5°	686.0	677.5	667.0	654.3	639.0	621.6	603.4	584.3	566.9	550.0	530.7
50°	724.8	714.3	702.4	689.4	672.7	654.0	634.4	613.9	596.0	578.6	560.3
47.5°	773.0	757.6	740.5	724.8	706.4	685.8	664.9	644.4	624.7	604.4	585.9
45°	830.5	809.6	787.2	766.0	742.2	719.8	695.7	674.3	653.3	631.3	608.5
42.5°	903.5	871.9	842.7	813.8	784.3	757.3	729.8	704.8	681.1	657.7	633.2
40°	993.0	950.5	911.9	869.3	833.1	797.9	766.5	735.2	708.8	683.4	656.4
37.5°	1102.9	1047.5	994.6	939.5	891.0	844.8	805.5	769.5	735.2	707.5	679.0
35°	1243.8	1167.9	1092.2	1023.6	958.0	901.1	848.7	805.5	766.5	730.6	700.7
32.5°	1433.9	1326.6	1211.7	1123.6	1037.1	962.3	899.8	844.8	797.9	757.3	721.3
30°	1713.7	1537.6	1379.6	1239.5	1130.6	1034.2	952.4	888.8	833.1	784.3	742.2
27.5°	2114.7	1811.8	1598.3	1392.2	1233.0	1116.2	1017.5	934.1	868.6	813.8	765.6
25°	2683.1	2223.5	1852.8	1583.8	1367.2	1201.3	1085.3	988.5	908.3	842.4	784.3
22.5°	3462.1	2766.2	2197.3	1789.4	1522.1	1315.7	1158.9	1042.2	944.6	867.3	804.2
20°	4608.3	3413.6	2643.0	2083.3	1695.9	1425.4	1235.7	1098.4	985.5	893.3	821.6
17.5°	5968.5	4311.1	3130.8	2383.9	1899.4	1566.0	1324.6	1150.0	1022.6	915.9	835.8
15°	7418.3	5328.2	3812.4	2785.2	2107.3	1686.5	1398.6	1195.7	1058.0	940.9	853.4
12.5°	9269.7	6424.8	4410.3	3120.1	2311.9	1817.6	1484.6	1253.7	1092.7	967.7	871.6
10°	11021.1	7568.4	5137.9	3561.2	2560.8	1946.3	1560.9	1298.2	1119.7	989.1	886.5
7.5°	12675.7	8667.9	5766.9	3896.9	2752.9	2048.8	1617.5	1330.4	1138.8	1004.1	897.9
5°	13888.4	9486.2	6259.3	4155.9	2888.8	2122.9	1654.2	1350.4	1150.2	1012.9	905.6
2.5°	14811.1	10028.4	6558.8	4307.8	2966.4	2166.8	1676.2	1365.8	1161.3	1020.1	914.1
0°	15234.8	10237.7	6658.8	4388.5	3012.9	2179.0	1686.0	1375.6	1168.6	1022.6	919.1
-2.5°	14811.1	10028.4	6558.8	4307.8	2966.4	2166.8	1676.2	1365.8	1161.3	1020.1	914.1
-5°	13888.4	9486.2	6259.3	4155.9	2888.8	2122.9	1654.2	1350.4	1150.2	1012.9	905.6
-7.5°	12675.7	8667.9	5766.9	3896.9	2752.9	2048.8	1617.5	1330.4	1138.8	1004.1	897.9
-10°	11021.1	7568.4	5137.9	3561.2	2560.8	1946.3	1560.9	1298.2	1119.7	989.1	886.5
-12.5°	9269.7	6424.8	4410.3	3120.1	2311.9	1817.6	1484.6	1253.7	1092.7	967.7	871.6
-15°	7418.3	5328.2	3812.4	2785.2	2107.3	1686.5	1398.6	1195.7	1058.0	940.9	853.4
-17.5°	5968.5	4311.1	3130.8	2383.9	1899.4	1566.0	1324.6	1150.0	1022.6	915.9	835.8
-20°	4608.3	3413.6	2643.0	2083.3	1695.9	1425.4	1235.7	1098.4	985.5	893.3	821.6

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REPORT NUMBER: P627499 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3462.1	2766.2	2197.3	1789.4	1522.1	1315.7	1158.9	1042.2	944.6	867.3	804.2
-25°	2683.1	2223.5	1852.8	1583.8	1367.2	1201.3	1085.3	988.5	908.3	842.4	784.3
-27.5°	2114.7	1811.8	1598.3	1392.2	1233.0	1116.2	1017.5	934.1	868.6	813.8	765.6
-30°	1713.7	1537.6	1379.6	1239.5	1130.6	1034.2	952.4	888.8	833.1	784.3	742.2
-32.5°	1433.9	1326.6	1211.7	1123.6	1037.1	962.3	899.8	844.8	797.9	757.3	721.3
-35°	1243.8	1167.9	1092.2	1023.6	958.0	901.1	848.7	805.5	766.5	730.6	700.7
-37.5°	1102.9	1047.5	994.6	939.5	891.0	844.8	805.5	769.5	735.2	707.5	679.0
-40°	993.0	950.5	911.9	869.3	833.1	797.9	766.5	735.2	708.8	683.4	656.4
-42.5°	903.5	871.9	842.7	813.8	784.3	757.3	729.8	704.8	681.1	657.7	633.2
-45°	830.5	809.6	787.2	766.0	742.2	719.8	695.7	674.3	653.3	631.3	608.5
-47.5°	773.0	757.6	740.5	724.8	706.4	685.8	664.9	644.4	624.7	604.4	585.9
-50°	724.8	714.3	702.4	689.4	672.7	654.0	634.4	613.9	596.0	578.6	560.3
-52.5°	686.0	677.5	667.0	654.3	639.0	621.6	603.4	584.3	566.9	550.0	530.7
-55°	652.3	643.8	632.7	619.8	605.4	590.6	573.8	554.7	536.1	519.7	498.1
-57.5°	617.6	609.5	597.3	585.7	575.2	559.1	541.0	523.1	505.6	487.6	464.3
-60°	573.6	566.7	556.4	545.8	534.9	521.3	503.4	487.6	474.1	448.1	420.9
-62.5°	522.5	516.9	507.8	497.0	485.6	473.4	459.5	442.2	422.1	399.1	376.5
-65°	465.1	456.9	448.9	441.4	432.9	423.2	408.2	390.7	372.0	352.3	331.7
-67.5°	407.5	400.1	393.9	387.7	379.9	369.9	355.4	339.5	322.2	302.4	284.2
-70°	353.7	348.1	342.2	335.0	326.3	316.5	303.8	288.4	270.9	253.8	241.0
-72.5°	302.4	297.7	292.0	284.6	276.1	265.8	253.0	239.4	226.3	213.8	202.0
-75°	251.0	247.3	241.9	233.2	223.2	211.7	201.2	192.7	183.6	174.1	164.1
-77.5°	197.7	194.4	189.7	181.6	173.3	164.9	156.8	150.0	143.3	136.3	128.9
-80°	142.8	140.5	137.5	132.4	127.2	121.9	116.7	111.7	106.3	100.8	94.8
-82.5°	95.8	93.7	91.5	89.0	86.3	83.4	80.2	75.9	71.2	66.1	60.7
-85°	56.5	55.3	54.0	52.6	51.1	49.4	47.6	44.8	42.1	39.4	36.9
-87.5°	22.8	22.4	22.0	21.6	21.0	20.5	19.9	19.3	18.6	17.9	17.2
-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):

	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°	16.4	15.6	14.8	13.9	13.1	12.1	11.2	10.3	9.3	8.3	7.3
85°	35.5	33.9	31.9	29.7	27.0	24.3	22.4	20.5	18.6	16.6	14.6
82.5°	57.6	55.5	53.3	50.6	46.6	42.5	38.3	34.0	29.6	25.2	21.9
80°	89.2	83.7	78.4	73.1	66.9	60.6	55.0	49.3	43.5	37.5	31.5
77.5°	121.2	113.2	104.9	97.2	89.5	81.6	73.4	65.1	57.3	49.9	42.3
75°	153.7	144.0	134.0	123.7	113.1	102.4	92.7	82.7	72.6	62.2	53.0
72.5°	189.9	177.2	164.2	150.9	138.5	125.9	112.9	100.1	88.3	76.3	64.1
70°	227.5	211.9	196.3	181.5	165.7	149.2	134.4	119.3	103.9	90.2	76.3
67.5°	267.1	251.2	232.8	212.9	195.1	176.5	156.5	138.7	121.4	103.9	88.3
65°	310.5	290.6	271.4	248.5	225.9	204.3	182.6	159.1	138.7	119.3	100.1
62.5°	352.9	328.9	305.9	282.3	257.7	232.8	208.3	181.9	156.3	134.4	112.9
60°	394.8	368.2	339.7	312.9	287.3	261.0	233.1	204.1	176.0	149.2	125.9
57.5°	434.7	406.7	374.5	343.2	314.3	286.8	257.0	225.5	195.0	165.4	138.5
55°	471.8	440.6	407.1	373.1	340.7	310.5	279.6	246.2	213.3	181.4	150.6
52.5°	506.0	473.4	437.7	401.5	366.1	333.3	300.7	266.0	230.9	196.9	163.6
50°	537.8	505.9	467.9	429.1	390.3	355.7	321.4	285.1	247.7	211.7	176.4
47.5°	565.3	535.1	498.4	456.4	415.0	377.7	341.8	303.7	263.7	225.8	188.7
45°	587.8	562.1	526.8	484.5	440.1	400.6	361.7	321.9	280.1	239.3	200.6
42.5°	608.7	584.7	552.9	512.1	466.0	423.2	381.3	339.7	296.1	252.3	211.9
40°	630.0	604.6	577.1	536.1	490.3	444.8	400.9	356.9	311.5	265.1	222.7
37.5°	649.9	623.5	595.6	558.3	512.1	465.2	419.7	373.6	325.8	277.8	232.9
35°	670.1	640.5	611.7	575.8	531.0	483.8	437.6	389.7	339.3	289.7	242.6
32.5°	689.4	656.3	625.2	590.0	548.3	500.5	453.6	403.6	352.0	300.6	251.7
30°	707.0	671.1	638.2	603.8	563.1	515.1	467.1	416.3	363.8	310.6	260.2
27.5°	721.1	683.3	650.6	615.6	574.9	528.2	479.0	427.7	374.6	319.8	268.3
25°	735.1	694.6	660.4	626.4	586.0	541.4	490.1	437.8	384.1	328.6	275.6
22.5°	750.7	705.1	668.1	636.7	597.2	554.1	500.5	446.6	392.3	336.4	282.0
20°	764.4	714.2	673.9	644.7	606.3	563.6	510.5	454.5	399.4	343.3	287.7
17.5°	776.6	724.0	681.5	649.5	613.3	571.8	519.7	461.5	405.4	349.4	292.5
15°	789.2	734.2	688.3	653.3	619.0	578.6	528.1	467.5	410.2	354.5	296.8
12.5°	800.4	742.5	693.8	656.3	623.3	584.1	535.5	472.6	414.0	358.8	300.8
10°	809.8	748.9	697.8	658.4	626.4	588.3	541.8	477.4	418.1	362.1	304.1
7.5°	817.1	753.3	700.5	659.5	628.4	591.7	547.2	483.0	421.5	364.4	306.8
5°	822.5	756.9	704.6	663.3	631.0	594.4	551.0	487.6	424.0	365.6	308.8
2.5°	826.5	759.9	709.0	666.8	632.5	596.0	553.2	490.9	425.6	365.9	310.0
0°	827.8	760.8	712.1	669.5	633.0	596.5	553.9	493.0	426.1	365.2	310.4
-2.5°	826.5	759.9	709.0	666.8	632.5	596.0	553.2	490.9	425.6	365.9	310.0
-5°	822.5	756.9	704.6	663.3	631.0	594.4	551.0	487.6	424.0	365.6	308.8
-7.5°	817.1	753.3	700.5	659.5	628.4	591.7	547.2	483.0	421.5	364.4	306.8
-10°	809.8	748.9	697.8	658.4	626.4	588.3	541.8	477.4	418.1	362.1	304.1
-12.5°	800.4	742.5	693.8	656.3	623.3	584.1	535.5	472.6	414.0	358.8	300.8
-15°	789.2	734.2	688.3	653.3	619.0	578.6	528.1	467.5	410.2	354.5	296.8
-17.5°	776.6	724.0	681.5	649.5	613.3	571.8	519.7	461.5	405.4	349.4	292.5
-20°	764.4	714.2	673.9	644.7	606.3	563.6	510.5	454.5	399.4	343.3	287.7

Classified

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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°	750.7	705.1	668.1	636.7	597.2	554.1	500.5	446.6	392.3	336.4	282.0
-25°	735.1	694.6	660.4	626.4	586.0	541.4	490.1	437.8	384.1	328.6	275.6
-27.5°	721.1	683.3	650.6	615.6	574.9	528.2	479.0	427.7	374.6	319.8	268.3
-30°	707.0	671.1	638.2	603.8	563.1	515.1	467.1	416.3	363.8	310.6	260.2
-32.5°	689.4	656.3	625.2	590.0	548.3	500.5	453.6	403.6	352.0	300.6	251.7
-35°	670.1	640.5	611.7	575.8	531.0	483.8	437.6	389.7	339.3	289.7	242.6
-37.5°	649.9	623.5	595.6	558.3	512.1	465.2	419.7	373.6	325.8	277.8	232.9
-40°	630.0	604.6	577.1	536.1	490.3	444.8	400.9	356.9	311.5	265.1	222.7
-42.5°	608.7	584.7	552.9	512.1	466.0	423.2	381.3	339.7	296.1	252.3	211.9
-45°	587.8	562.1	526.8	484.5	440.1	400.6	361.7	321.9	280.1	239.3	200.6
-47.5°	565.3	535.1	498.4	456.4	415.0	377.7	341.8	303.7	263.7	225.8	188.7
-50°	537.8	505.9	467.9	429.1	390.3	355.7	321.4	285.1	247.7	211.7	176.4
-52.5°	506.0	473.4	437.7	401.5	366.1	333.3	300.7	266.0	230.9	196.9	163.6
-55°	471.8	440.6	407.1	373.1	340.7	310.5	279.6	246.2	213.3	181.4	150.6
-57.5°	434.7	406.7	374.5	343.2	314.3	286.8	257.0	225.5	195.0	165.4	138.5
-60°	394.8	368.2	339.7	312.9	287.3	261.0	233.1	204.1	176.0	149.2	125.9
-62.5°	352.9	328.9	305.9	282.3	257.7	232.8	208.3	181.9	156.3	134.4	112.9
-65°	310.5	290.6	271.4	248.5	225.9	204.3	182.6	159.1	138.7	119.3	100.1
-67.5°	267.1	251.2	232.8	212.9	195.1	176.5	156.5	138.7	121.4	103.9	88.3
-70°	227.5	211.9	196.3	181.5	165.7	149.2	134.4	119.3	103.9	90.2	76.3
-72.5°	189.9	177.2	164.2	150.9	138.5	125.9	112.9	100.1	88.3	76.3	64.1
-75°	153.7	144.0	134.0	123.7	113.1	102.4	92.7	82.7	72.6	62.2	53.0
-77.5°	121.2	113.2	104.9	97.2	89.5	81.6	73.4	65.1	57.3	49.9	42.3
-80°	89.2	83.7	78.4	73.1	66.9	60.6	55.0	49.3	43.5	37.5	31.5
-82.5°	57.6	55.5	53.3	50.6	46.6	42.5	38.3	34.0	29.6	25.2	21.9
-85°	35.5	33.9	31.9	29.7	27.0	24.3	22.4	20.5	18.6	16.6	14.6
-87.5°	16.4	15.6	14.8	13.9	13.1	12.1	11.2	10.3	9.3	8.3	7.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.3	5.3	4.2	3.2	2.1	0.9	0.0
85°	12.6	10.5	8.4	6.3	4.2	1.9	0.0
82.5°	18.8	15.7	12.6	9.5	6.3	2.8	0.0
80°	25.4	20.9	16.8	12.6	8.4	3.7	0.0
77.5°	34.7	26.9	20.9	15.7	10.4	4.6	0.0
75°	43.8	34.2	25.3	18.8	12.5	5.5	0.0
72.5°	52.7	41.4	30.9	21.9	14.4	6.4	0.0
70°	61.7	48.5	36.3	25.0	16.4	7.2	0.0
67.5°	71.9	55.4	41.6	28.9	18.2	8.1	0.0
65°	81.9	62.9	46.8	32.7	20.0	8.9	0.0
62.5°	91.7	71.1	51.9	36.3	21.8	9.7	0.0
60°	101.2	79.0	56.8	39.9	23.5	10.4	0.0
57.5°	111.7	86.8	62.9	43.4	25.7	11.2	0.0
55°	122.1	94.3	69.0	46.7	27.8	11.9	0.0
52.5°	132.2	101.8	74.8	49.9	29.9	12.6	0.0
50°	141.9	109.9	80.4	52.9	32.0	13.2	0.0
47.5°	151.4	117.7	85.9	56.1	34.0	13.9	0.0
45°	161.5	125.2	91.1	60.0	35.9	14.4	0.0
42.5°	171.2	132.3	96.0	63.8	37.7	15.0	0.0
40°	180.5	139.1	101.1	67.4	39.5	15.5	0.0
37.5°	189.2	145.5	106.2	70.9	41.2	16.0	0.0
35°	197.5	152.1	111.1	74.2	42.8	16.4	0.0
32.5°	205.2	158.5	115.6	77.3	44.4	16.8	0.0
30°	212.4	164.5	119.8	80.2	45.8	17.1	0.0
27.5°	219.0	170.0	123.9	82.9	47.2	17.5	0.0
25°	225.1	175.1	127.7	85.4	48.4	17.7	0.0
22.5°	230.6	179.6	131.1	87.6	49.6	18.0	0.0
20°	235.5	183.6	134.2	89.7	50.6	18.2	0.0
17.5°	239.6	186.9	137.0	91.5	51.6	18.3	0.0
15°	242.9	189.7	139.4	93.0	52.4	18.4	0.0
12.5°	245.6	191.9	141.4	94.4	53.1	18.5	0.0
10°	247.7	193.5	143.1	95.4	53.7	18.5	0.0
7.5°	249.1	194.6	144.4	96.3	54.2	18.5	0.0
5°	249.9	195.2	145.4	96.9	54.5	18.5	0.0
2.5°	250.1	195.2	145.9	97.3	54.7	18.4	0.0
0°	249.6	194.8	146.1	97.4	54.8	18.3	0.0
-2.5°	250.1	195.2	145.9	97.3	54.7	18.4	0.0
-5°	249.9	195.2	145.4	96.9	54.5	18.5	0.0
-7.5°	249.1	194.6	144.4	96.3	54.2	18.5	0.0
-10°	247.7	193.5	143.1	95.4	53.7	18.5	0.0
-12.5°	245.6	191.9	141.4	94.4	53.1	18.5	0.0
-15°	242.9	189.7	139.4	93.0	52.4	18.4	0.0
-17.5°	239.6	186.9	137.0	91.5	51.6	18.3	0.0
-20°	235.5	183.6	134.2	89.7	50.6	18.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	230.6	179.6	131.1	87.6	49.6	18.0	0.0
-25°	225.1	175.1	127.7	85.4	48.4	17.7	0.0
-27.5°	219.0	170.0	123.9	82.9	47.2	17.5	0.0
-30°	212.4	164.5	119.8	80.2	45.8	17.1	0.0
-32.5°	205.2	158.5	115.6	77.3	44.4	16.8	0.0
-35°	197.5	152.1	111.1	74.2	42.8	16.4	0.0
-37.5°	189.2	145.5	106.2	70.9	41.2	16.0	0.0
-40°	180.5	139.1	101.1	67.4	39.5	15.5	0.0
-42.5°	171.2	132.3	96.0	63.8	37.7	15.0	0.0
-45°	161.5	125.2	91.1	60.0	35.9	14.4	0.0
-47.5°	151.4	117.7	85.9	56.1	34.0	13.9	0.0
-50°	141.9	109.9	80.4	52.9	32.0	13.2	0.0
-52.5°	132.2	101.8	74.8	49.9	29.9	12.6	0.0
-55°	122.1	94.3	69.0	46.7	27.8	11.9	0.0
-57.5°	111.7	86.8	62.9	43.4	25.7	11.2	0.0
-60°	101.2	79.0	56.8	39.9	23.5	10.4	0.0
-62.5°	91.7	71.1	51.9	36.3	21.8	9.7	0.0
-65°	81.9	62.9	46.8	32.7	20.0	8.9	0.0
-67.5°	71.9	55.4	41.6	28.9	18.2	8.1	0.0
-70°	61.7	48.5	36.3	25.0	16.4	7.2	0.0
-72.5°	52.7	41.4	30.9	21.9	14.4	6.4	0.0
-75°	43.8	34.2	25.3	18.8	12.5	5.5	0.0
-77.5°	34.7	26.9	20.9	15.7	10.4	4.6	0.0
-80°	25.4	20.9	16.8	12.6	8.4	3.7	0.0
-82.5°	18.8	15.7	12.6	9.5	6.3	2.8	0.0
-85°	12.6	10.5	8.4	6.3	4.2	1.9	0.0
-87.5°	6.3	5.3	4.2	3.2	2.1	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)