

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: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4B-727-U-NR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627319 (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-SA4B-727-U-NR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, NARROW SYMMETRICAL ROUND N85
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

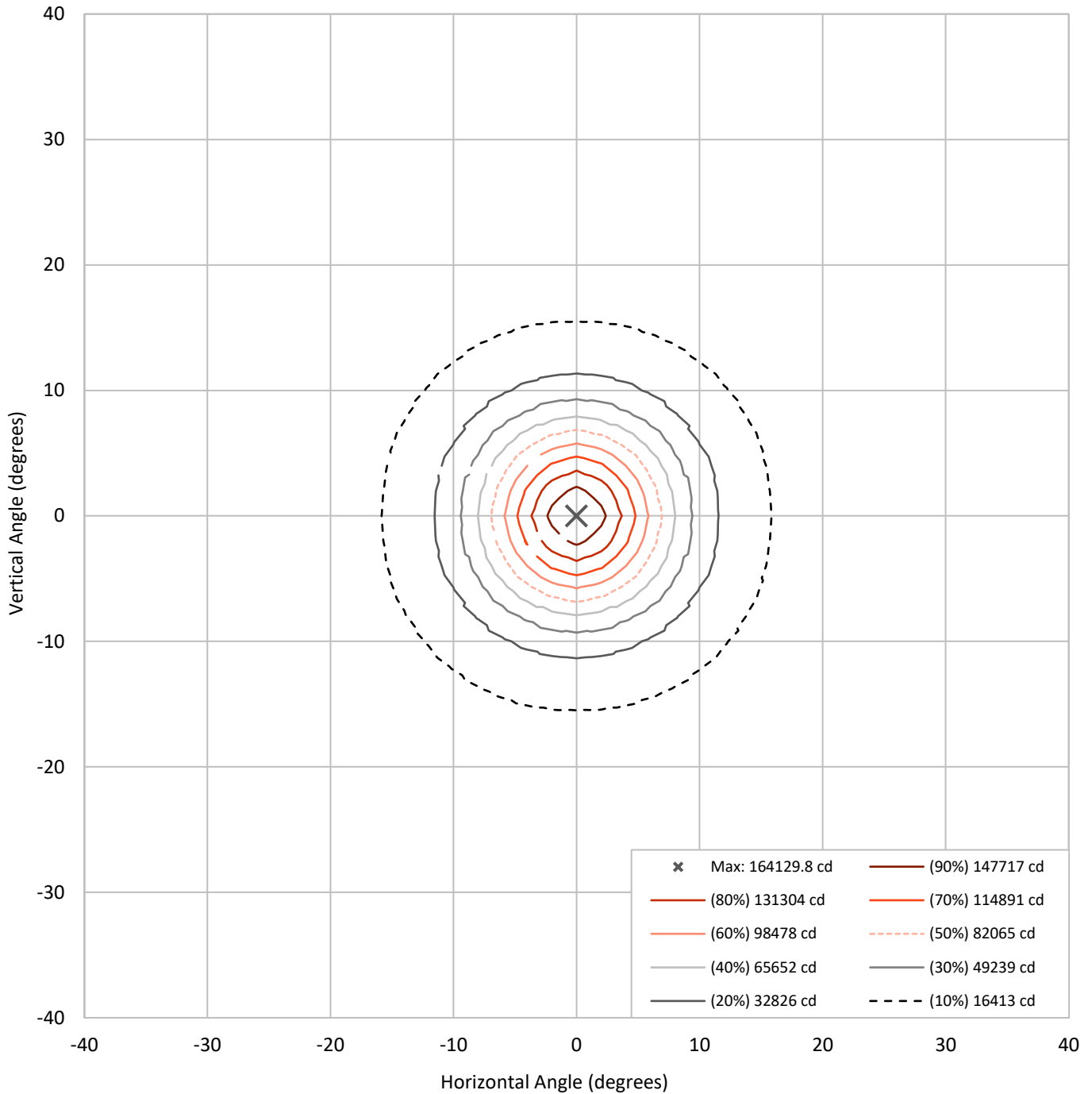
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	17428.2 lumens	Max Intensity:	164129.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	134.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	13.7°H x 13.6°V	Field Angle (10%):	31.6°H x 30.6°V
Beam Lumens:	5152.7 lumens	Field Lumens:	11595.8 lumens
Beam Efficiency:	29.6%	Field Efficiency:	66.5%
Input Watts (W):	129.5		
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





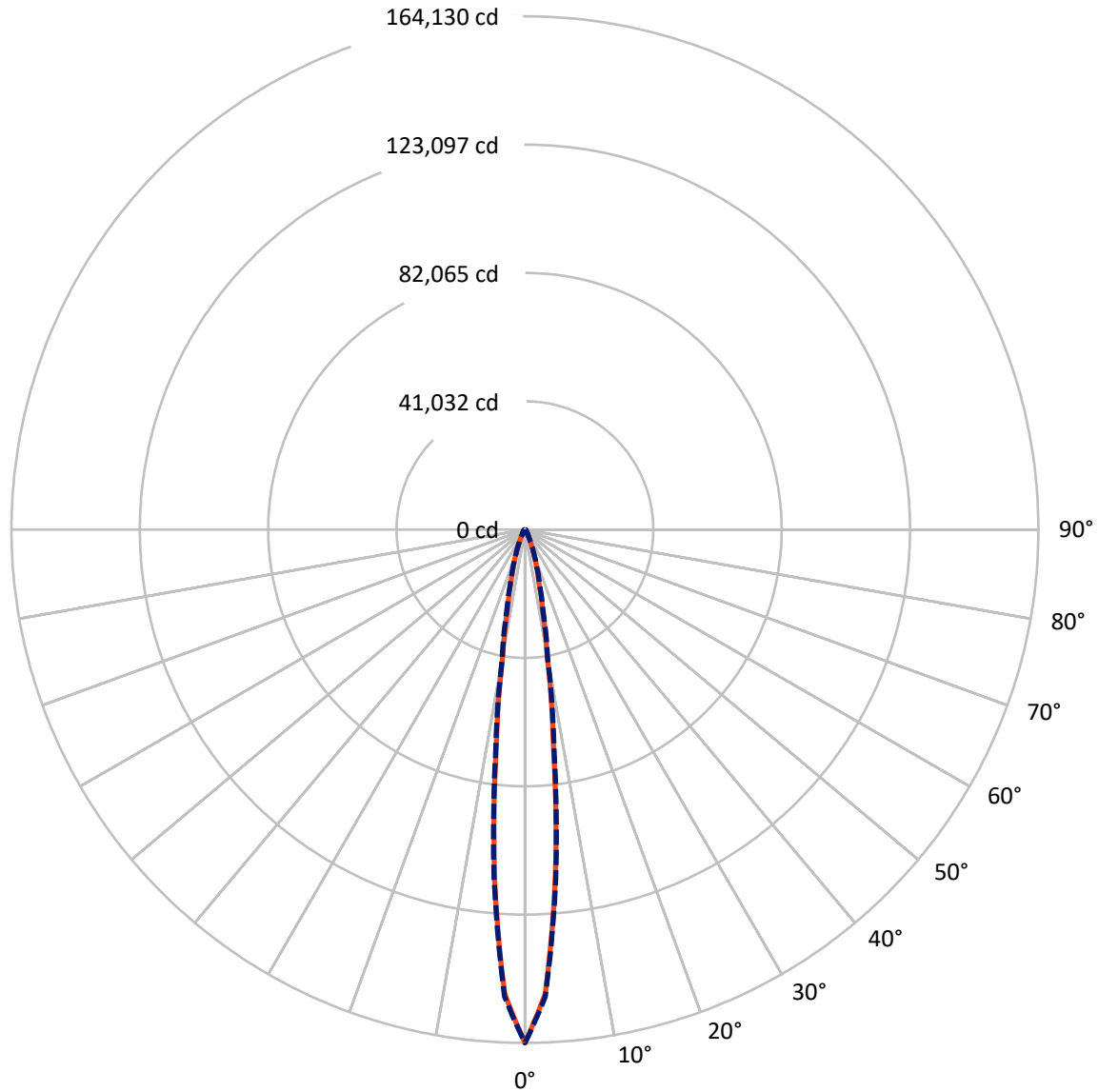
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Lumen Table

90	0.3	2.4	6.3	10.1	11.1	10.1	6.3	2.4	0.3							
80	0.3	2.4	6.3	10.1	11.1	10.1	6.3	2.4	0.3							
70	1.1	1.2	2.5	4.1	5.8	7.2	8.0	8.4	8.4	8.0	7.2	5.8	4.1	2.5	1.2	1.1
60		1.9	3.8	6.1	8.2	10.1	11.2	11.7	11.7	11.2	10.1	8.2	6.1	3.8	1.9	
50	1.9	2.4	4.9	7.6	10.1	12.7	14.9	16.1	16.1	14.9	12.7	10.1	7.6	4.9	2.4	1.9
40		2.9	5.8	8.7	12.4	17.8	25.1	31.1	31.1	25.1	17.8	12.4	8.7	5.8	2.9	
30	2.5	3.3	6.3	9.9	16.0	31.8	72.5	120.0	120.0	72.5	31.8	16.0	9.9	6.3	3.3	2.5
20		3.5	6.6	10.9	21.3	67.6	240.1	517.1	517.1	240.1	67.6	21.3	10.9	6.6	3.5	
10	2.7	3.7	6.8	11.5	25.7	111.4	521.9	2254.7	2254.7	521.9	111.4	25.7	11.5	6.8	3.7	2.7
0		3.7	6.8	11.5	25.7	111.4	521.9	2254.7	2254.7	521.9	111.4	25.7	11.5	6.8	3.7	
-10	2.5	3.5	6.6	10.9	21.3	67.6	240.1	517.1	517.1	240.1	67.6	21.3	10.9	6.6	3.5	2.5
-20		3.3	6.3	9.9	16.0	31.8	72.5	120.0	120.0	72.5	31.8	16.0	9.9	6.3	3.3	
-30	1.9	2.9	5.8	8.7	12.4	17.8	25.1	31.1	31.1	25.1	17.8	12.4	8.7	5.8	2.9	1.9
-40		2.4	4.9	7.6	10.1	12.7	14.9	16.1	16.1	14.9	12.7	10.1	7.6	4.9	2.4	
-50	1.1	1.9	3.8	6.1	8.2	10.1	11.2	11.7	11.7	11.2	10.1	8.2	6.1	3.8	1.9	1.1
-60		1.2	2.5	4.1	5.8	7.2	8.0	8.4	8.4	8.0	7.2	5.8	4.1	2.5	1.2	
-70	0.3	2.4	6.3	10.1	11.1	10.1	6.3	2.4	0.3							
-80		0.3	2.4	6.3	10.1	11.1	10.1	6.3	2.4	0.3						
-90	0.3	2.4	6.3	10.1	11.1	10.1	6.3	2.4	0.3							

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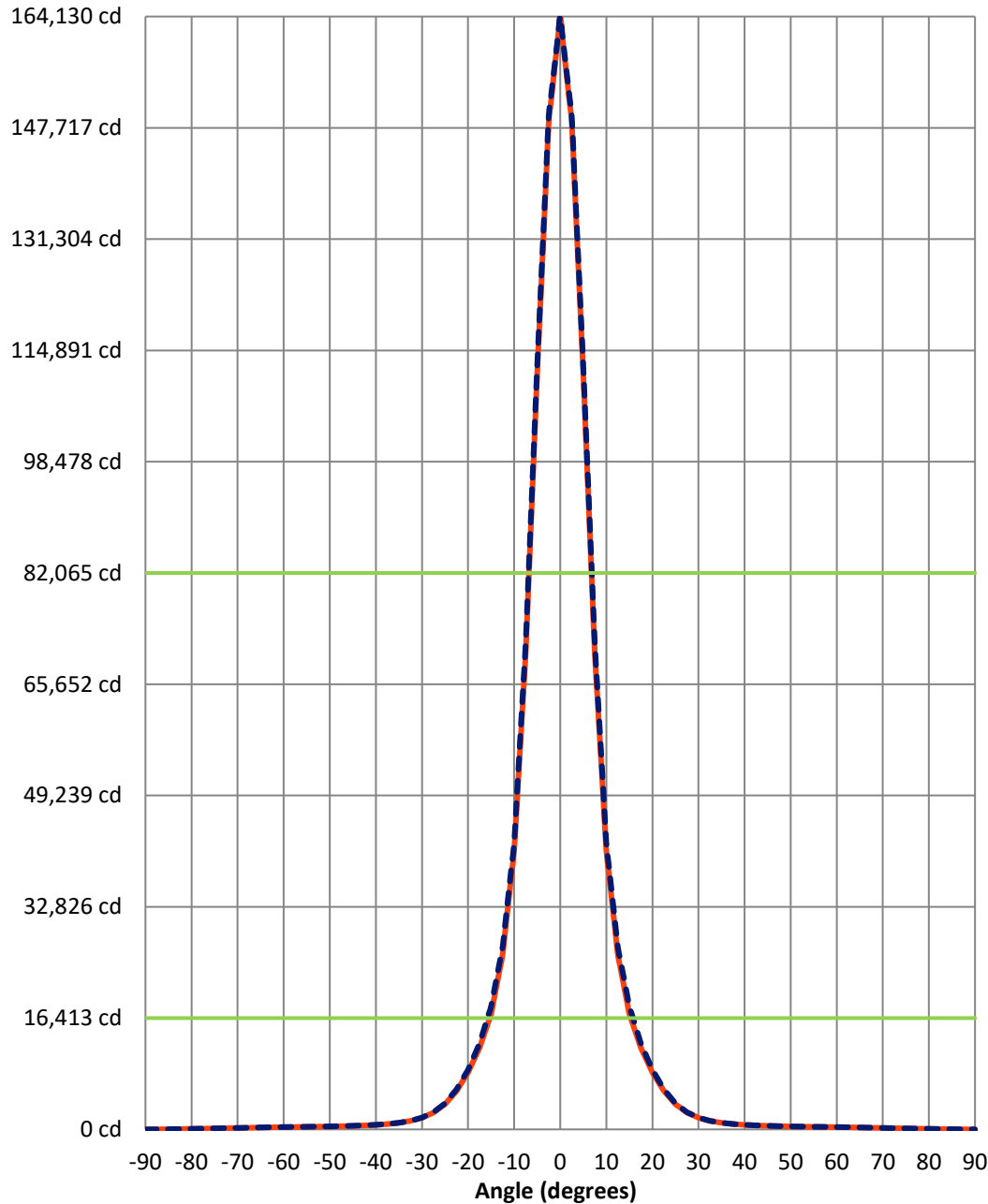
Luminous Intensity Polar Plot



— 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: 5152.7
Efficiency: 29.6%

Field:
H Angle: 31.6°
V Angle: 30.6°
Lumens: 11595.8
Efficiency: 66.5%

Spill:
Lumens: 5832.4
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	0.5	1.2	1.8	2.4	3.1	3.6	4.2	4.8	5.4	6.0
85°	0.0	1.1	2.5	3.7	4.9	6.1	7.3	8.5	9.6	10.8	11.9
82.5°	0.0	1.6	3.7	5.5	7.3	9.1	10.9	12.7	14.6	17.2	19.7
80°	0.0	2.1	4.9	7.3	9.7	12.1	14.7	18.3	21.7	25.2	28.5
77.5°	0.0	2.7	6.1	9.1	12.1	15.6	20.1	24.5	28.8	33.1	37.6
75°	0.0	3.2	7.2	10.9	14.7	19.8	25.3	30.7	36.0	41.9	47.8
72.5°	0.0	3.7	8.4	12.7	17.9	24.0	30.5	37.0	44.1	51.0	57.8
70°	0.0	4.2	9.5	14.5	21.0	28.0	35.7	44.1	52.1	60.0	68.9
67.5°	0.0	4.7	10.6	16.7	24.1	32.0	41.5	51.0	60.0	70.2	80.1
65°	0.0	5.1	11.6	18.9	27.1	36.3	47.3	57.8	68.9	80.1	91.9
62.5°	0.0	5.6	12.6	21.0	30.0	41.1	53.0	65.2	77.6	90.3	105.1
60°	0.0	6.0	13.6	23.1	32.8	45.7	58.5	72.7	86.2	101.7	117.9
57.5°	0.0	6.5	14.9	25.0	36.3	50.2	64.6	80.0	95.5	112.7	130.3
55°	0.0	6.9	16.1	27.0	39.8	54.5	70.5	87.0	104.8	123.3	142.3
52.5°	0.0	7.3	17.3	28.8	43.2	58.8	76.3	94.5	113.8	133.4	153.7
50°	0.0	7.6	18.5	30.5	46.5	63.5	82.0	101.9	122.3	143.1	164.7
47.5°	0.0	8.0	19.6	32.4	49.6	68.0	87.5	109.0	130.5	152.4	175.5
45°	0.0	8.3	20.7	34.6	52.6	72.3	93.3	115.9	138.3	161.9	186.0
42.5°	0.0	8.6	21.8	36.8	55.5	76.4	98.9	122.4	145.8	171.1	196.2
40°	0.0	8.9	22.8	38.9	58.4	80.4	104.2	128.7	153.2	180.0	206.2
37.5°	0.0	9.2	23.8	40.9	61.4	84.1	109.3	134.6	160.5	188.2	215.8
35°	0.0	9.4	24.7	42.8	64.2	87.9	114.1	140.2	167.4	196.0	225.1
32.5°	0.0	9.7	25.6	44.6	66.8	91.6	118.5	145.4	173.7	203.3	233.1
30°	0.0	9.9	26.4	46.3	69.2	95.0	122.7	150.3	179.4	210.1	240.5
27.5°	0.0	10.1	27.2	47.9	71.6	98.2	126.5	155.0	184.8	216.4	247.1
25°	0.0	10.2	27.9	49.3	73.8	101.1	130.0	159.2	189.8	221.9	252.9
22.5°	0.0	10.3	28.6	50.6	75.8	103.7	133.2	162.9	194.3	226.6	258.0
20°	0.0	10.4	29.2	51.8	77.6	106.0	136.1	166.2	198.3	230.7	262.6
17.5°	0.0	10.5	29.7	52.9	79.1	107.9	138.4	169.0	201.8	234.2	266.6
15°	0.0	10.6	30.2	53.8	80.5	109.5	140.4	171.5	204.8	237.0	270.1
12.5°	0.0	10.6	30.6	54.5	81.7	110.8	141.9	173.8	207.3	239.2	273.0
10°	0.0	10.6	31.0	55.2	82.7	111.8	143.1	175.7	209.2	241.5	275.8
7.5°	0.0	10.6	31.2	55.7	83.4	112.4	143.9	177.2	210.5	243.5	279.1
5°	0.0	10.6	31.4	56.0	84.0	112.7	144.4	178.4	211.2	245.0	281.7
2.5°	0.0	10.6	31.6	56.2	84.3	112.8	144.5	179.1	211.4	245.9	283.6
0°	0.0	10.5	31.6	56.3	84.4	112.5	144.2	179.3	211.0	246.2	284.8
-2.5°	0.0	10.6	31.6	56.2	84.3	112.8	144.5	179.1	211.4	245.9	283.6
-5°	0.0	10.6	31.4	56.0	84.0	112.7	144.4	178.4	211.2	245.0	281.7
-7.5°	0.0	10.6	31.2	55.7	83.4	112.4	143.9	177.2	210.5	243.5	279.1
-10°	0.0	10.6	31.0	55.2	82.7	111.8	143.1	175.7	209.2	241.5	275.8
-12.5°	0.0	10.6	30.6	54.5	81.7	110.8	141.9	173.8	207.3	239.2	273.0
-15°	0.0	10.6	30.2	53.8	80.5	109.5	140.4	171.5	204.8	237.0	270.1
-17.5°	0.0	10.5	29.7	52.9	79.1	107.9	138.4	169.0	201.8	234.2	266.6
-20°	0.0	10.4	29.2	51.8	77.6	106.0	136.1	166.2	198.3	230.7	262.6

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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	10.3	28.6	50.6	75.8	103.7	133.2	162.9	194.3	226.6	258.0
-25°	0.0	10.2	27.9	49.3	73.8	101.1	130.0	159.2	189.8	221.9	252.9
-27.5°	0.0	10.1	27.2	47.9	71.6	98.2	126.5	155.0	184.8	216.4	247.1
-30°	0.0	9.9	26.4	46.3	69.2	95.0	122.7	150.3	179.4	210.1	240.5
-32.5°	0.0	9.7	25.6	44.6	66.8	91.6	118.5	145.4	173.7	203.3	233.1
-35°	0.0	9.4	24.7	42.8	64.2	87.9	114.1	140.2	167.4	196.0	225.1
-37.5°	0.0	9.2	23.8	40.9	61.4	84.1	109.3	134.6	160.5	188.2	215.8
-40°	0.0	8.9	22.8	38.9	58.4	80.4	104.2	128.7	153.2	180.0	206.2
-42.5°	0.0	8.6	21.8	36.8	55.5	76.4	98.9	122.4	145.8	171.1	196.2
-45°	0.0	8.3	20.7	34.6	52.6	72.3	93.3	115.9	138.3	161.9	186.0
-47.5°	0.0	8.0	19.6	32.4	49.6	68.0	87.5	109.0	130.5	152.4	175.5
-50°	0.0	7.6	18.5	30.5	46.5	63.5	82.0	101.9	122.3	143.1	164.7
-52.5°	0.0	7.3	17.3	28.8	43.2	58.8	76.3	94.5	113.8	133.4	153.7
-55°	0.0	6.9	16.1	27.0	39.8	54.5	70.5	87.0	104.8	123.3	142.3
-57.5°	0.0	6.5	14.9	25.0	36.3	50.2	64.6	80.0	95.5	112.7	130.3
-60°	0.0	6.0	13.6	23.1	32.8	45.7	58.5	72.7	86.2	101.7	117.9
-62.5°	0.0	5.6	12.6	21.0	30.0	41.1	53.0	65.2	77.6	90.3	105.1
-65°	0.0	5.1	11.6	18.9	27.1	36.3	47.3	57.8	68.9	80.1	91.9
-67.5°	0.0	4.7	10.6	16.7	24.1	32.0	41.5	51.0	60.0	70.2	80.1
-70°	0.0	4.2	9.5	14.5	21.0	28.0	35.7	44.1	52.1	60.0	68.9
-72.5°	0.0	3.7	8.4	12.7	17.9	24.0	30.5	37.0	44.1	51.0	57.8
-75°	0.0	3.2	7.2	10.9	14.7	19.8	25.3	30.7	36.0	41.9	47.8
-77.5°	0.0	2.7	6.1	9.1	12.1	15.6	20.1	24.5	28.8	33.1	37.6
-80°	0.0	2.1	4.9	7.3	9.7	12.1	14.7	18.3	21.7	25.2	28.5
-82.5°	0.0	1.6	3.7	5.5	7.3	9.1	10.9	12.7	14.6	17.2	19.7
-85°	0.0	1.1	2.5	3.7	4.9	6.1	7.3	8.5	9.6	10.8	11.9
-87.5°	0.0	0.5	1.2	1.8	2.4	3.1	3.6	4.2	4.8	5.4	6.0
-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°	6.5	7.0	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.8	11.2
85°	13.0	14.1	15.7	17.2	18.5	19.6	20.6	21.3	22.8	24.3	25.9
82.5°	22.2	24.6	26.9	29.2	30.8	32.0	33.2	35.0	38.1	41.1	43.9
80°	31.8	35.0	38.7	42.2	45.3	48.3	51.5	54.8	58.2	61.4	64.5
77.5°	42.4	47.1	51.7	56.2	60.6	65.4	70.0	74.5	78.7	82.8	86.6
75°	53.5	59.2	65.3	71.5	77.4	83.1	88.8	94.8	100.6	106.1	111.3
72.5°	65.2	72.7	80.0	87.1	94.8	102.4	109.7	116.8	123.6	130.8	138.3
70°	77.6	86.2	95.7	104.9	113.5	122.5	131.5	139.2	146.6	156.5	166.6
67.5°	90.4	102.0	112.7	123.1	134.5	145.1	154.3	164.2	174.7	186.1	196.1
65°	105.5	118.1	130.6	143.6	156.8	167.8	179.4	191.6	203.5	214.9	225.8
62.5°	120.4	134.5	148.9	163.1	176.7	190.0	203.9	217.5	230.6	243.9	255.5
60°	134.7	150.7	165.9	180.8	196.2	212.7	228.1	243.2	258.9	273.9	281.7
57.5°	148.5	165.7	181.6	198.2	216.4	235.0	251.2	268.3	281.7	292.1	302.2
55°	161.5	179.4	196.8	215.5	235.2	254.6	272.6	287.8	300.2	309.7	320.5
52.5°	173.7	192.6	211.5	231.9	252.9	273.5	292.3	306.6	317.7	327.5	337.6
50°	185.7	205.5	225.5	247.9	270.3	292.3	310.7	323.8	334.3	344.3	354.6
47.5°	197.4	218.2	239.8	263.7	287.9	309.1	326.6	338.6	349.2	360.9	372.3
45°	208.9	231.4	254.3	279.9	304.3	324.8	339.6	351.6	364.7	377.4	389.6
42.5°	220.2	244.5	269.3	295.9	319.5	337.9	351.7	365.8	380.0	393.5	407.2
40°	231.6	257.0	283.3	309.7	333.5	349.3	364.0	379.2	394.9	409.5	424.7
37.5°	242.5	268.8	295.9	322.6	344.2	360.2	375.5	392.3	408.7	424.8	444.5
35°	252.8	279.5	306.8	332.7	353.4	370.1	387.1	404.8	422.1	442.8	465.3
32.5°	262.1	289.2	316.8	340.9	361.2	379.2	398.3	416.7	437.5	460.9	488.0
30°	269.9	297.6	325.3	348.9	368.7	387.7	408.4	428.8	453.1	481.3	513.5
27.5°	276.8	305.2	332.1	355.7	375.9	394.8	416.6	442.3	470.1	501.8	539.7
25°	283.2	312.8	338.5	361.9	381.6	401.3	424.7	453.1	486.6	524.8	571.1
22.5°	289.2	320.1	345.0	367.9	386.0	407.4	433.7	464.6	501.1	545.8	602.2
20°	295.0	325.6	350.2	372.5	389.3	412.6	441.6	474.7	516.1	569.4	634.6
17.5°	300.3	330.3	354.3	375.2	393.7	418.2	448.6	482.9	529.2	590.8	664.4
15°	305.1	334.2	357.6	377.5	397.7	424.1	456.0	493.0	543.6	611.2	690.8
12.5°	309.4	337.4	360.1	379.2	400.8	429.0	462.5	503.6	559.1	631.3	724.3
10°	313.0	339.9	361.9	380.4	403.2	432.7	467.9	512.2	571.5	646.9	750.0
7.5°	316.1	341.8	363.1	381.0	404.7	435.3	472.1	518.7	580.1	658.0	768.6
5°	318.3	343.4	364.5	383.2	407.1	437.3	475.1	523.2	585.2	664.6	780.2
2.5°	319.6	344.3	365.4	385.3	409.6	439.1	477.4	528.1	589.3	671.0	789.0
0°	320.0	344.6	365.7	386.8	411.4	439.6	478.2	531.0	590.8	675.2	794.7
-2.5°	319.6	344.3	365.4	385.3	409.6	439.1	477.4	528.1	589.3	671.0	789.0
-5°	318.3	343.4	364.5	383.2	407.1	437.3	475.1	523.2	585.2	664.6	780.2
-7.5°	316.1	341.8	363.1	381.0	404.7	435.3	472.1	518.7	580.1	658.0	768.6
-10°	313.0	339.9	361.9	380.4	403.2	432.7	467.9	512.2	571.5	646.9	750.0
-12.5°	309.4	337.4	360.1	379.2	400.8	429.0	462.5	503.6	559.1	631.3	724.3
-15°	305.1	334.2	357.6	377.5	397.7	424.1	456.0	493.0	543.6	611.2	690.8
-17.5°	300.3	330.3	354.3	375.2	393.7	418.2	448.6	482.9	529.2	590.8	664.4
-20°	295.0	325.6	350.2	372.5	389.3	412.6	441.6	474.7	516.1	569.4	634.6

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-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°	289.2	320.1	345.0	367.9	386.0	407.4	433.7	464.6	501.1	545.8	602.2
-25°	283.2	312.8	338.5	361.9	381.6	401.3	424.7	453.1	486.6	524.8	571.1
-27.5°	276.8	305.2	332.1	355.7	375.9	394.8	416.6	442.3	470.1	501.8	539.7
-30°	269.9	297.6	325.3	348.9	368.7	387.7	408.4	428.8	453.1	481.3	513.5
-32.5°	262.1	289.2	316.8	340.9	361.2	379.2	398.3	416.7	437.5	460.9	488.0
-35°	252.8	279.5	306.8	332.7	353.4	370.1	387.1	404.8	422.1	442.8	465.3
-37.5°	242.5	268.8	295.9	322.6	344.2	360.2	375.5	392.3	408.7	424.8	444.5
-40°	231.6	257.0	283.3	309.7	333.5	349.3	364.0	379.2	394.9	409.5	424.7
-42.5°	220.2	244.5	269.3	295.9	319.5	337.9	351.7	365.8	380.0	393.5	407.2
-45°	208.9	231.4	254.3	279.9	304.3	324.8	339.6	351.6	364.7	377.4	389.6
-47.5°	197.4	218.2	239.8	263.7	287.9	309.1	326.6	338.6	349.2	360.9	372.3
-50°	185.7	205.5	225.5	247.9	270.3	292.3	310.7	323.8	334.3	344.3	354.6
-52.5°	173.7	192.6	211.5	231.9	252.9	273.5	292.3	306.6	317.7	327.5	337.6
-55°	161.5	179.4	196.8	215.5	235.2	254.6	272.6	287.8	300.2	309.7	320.5
-57.5°	148.5	165.7	181.6	198.2	216.4	235.0	251.2	268.3	281.7	292.1	302.2
-60°	134.7	150.7	165.9	180.8	196.2	212.7	228.1	243.2	258.9	273.9	281.7
-62.5°	120.4	134.5	148.9	163.1	176.7	190.0	203.9	217.5	230.6	243.9	255.5
-65°	105.5	118.1	130.6	143.6	156.8	167.8	179.4	191.6	203.5	214.9	225.8
-67.5°	90.4	102.0	112.7	123.1	134.5	145.1	154.3	164.2	174.7	186.1	196.1
-70°	77.6	86.2	95.7	104.9	113.5	122.5	131.5	139.2	146.6	156.5	166.6
-72.5°	65.2	72.7	80.0	87.1	94.8	102.4	109.7	116.8	123.6	130.8	138.3
-75°	53.5	59.2	65.3	71.5	77.4	83.1	88.8	94.8	100.6	106.1	111.3
-77.5°	42.4	47.1	51.7	56.2	60.6	65.4	70.0	74.5	78.7	82.8	86.6
-80°	31.8	35.0	38.7	42.2	45.3	48.3	51.5	54.8	58.2	61.4	64.5
-82.5°	22.2	24.6	26.9	29.2	30.8	32.0	33.2	35.0	38.1	41.1	43.9
-85°	13.0	14.1	15.7	17.2	18.5	19.6	20.6	21.3	22.8	24.3	25.9
-87.5°	6.5	7.0	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.8	11.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-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°	11.5	11.9	12.2	12.5	12.8	13.0	13.2	13.4	13.6	12.9	12.1
85°	27.5	28.6	29.5	30.4	31.2	32.0	32.6	33.2	33.8	33.3	32.8
82.5°	46.4	48.2	49.9	51.4	52.9	54.2	55.3	56.4	57.3	57.2	56.9
80°	67.4	70.4	73.5	76.5	79.4	81.2	82.5	83.4	84.1	84.4	84.5
77.5°	90.6	95.3	100.1	104.9	109.6	112.3	114.2	115.8	117.1	117.4	117.1
75°	116.3	122.3	129.0	134.8	139.8	142.8	145.0	146.8	148.3	148.6	148.5
72.5°	146.1	153.5	159.5	164.4	168.7	172.0	174.7	177.0	178.9	179.6	179.7
70°	175.5	182.8	188.5	193.5	197.7	201.1	204.3	207.1	209.4	211.0	212.3
67.5°	205.3	213.7	219.5	224.0	227.5	231.1	235.4	239.1	242.3	244.4	245.4
65°	235.9	244.5	250.1	255.1	259.4	264.0	268.7	272.2	274.5	275.9	276.9
62.5°	265.5	273.5	280.6	287.1	293.4	298.6	301.9	304.8	307.3	309.4	311.0
60°	290.8	301.1	309.0	315.3	321.4	327.3	331.4	334.5	337.0	338.9	340.0
57.5°	312.5	323.1	332.4	338.4	345.1	352.2	356.8	359.5	362.0	364.1	365.1
55°	331.5	341.2	349.8	358.1	365.6	372.0	376.9	380.5	383.5	385.9	386.7
52.5°	348.6	359.1	369.2	378.0	385.4	391.5	396.4	400.8	404.2	406.5	407.6
50°	366.5	377.9	388.6	398.3	405.8	412.7	418.8	424.0	429.1	433.1	436.0
47.5°	384.2	396.3	408.1	418.8	427.8	437.7	446.6	454.1	461.5	467.4	471.6
45°	401.9	415.9	428.8	442.5	454.7	467.7	479.8	490.2	500.9	508.9	514.4
42.5°	421.6	437.5	453.1	470.1	486.8	503.7	522.0	538.4	550.9	562.7	572.3
40°	442.8	460.9	481.3	502.2	526.8	549.2	573.7	594.8	613.8	634.0	650.0
37.5°	465.3	488.0	514.8	542.8	574.6	605.2	637.2	668.7	696.2	728.6	753.4
35°	490.3	520.6	553.5	591.4	631.0	674.8	718.6	769.3	812.9	860.8	902.6
32.5°	519.9	556.0	599.2	649.1	700.0	766.4	828.4	909.1	978.8	1054.9	1131.6
30°	550.3	597.5	653.2	716.1	797.0	888.3	990.1	1110.0	1233.8	1353.4	1497.8
27.5°	587.9	644.9	712.4	804.3	923.4	1046.8	1221.7	1401.8	1629.2	1817.2	2082.3
25°	627.0	694.1	789.9	915.0	1070.4	1284.6	1550.1	1837.9	2237.9	2589.4	3001.5
22.5°	669.6	760.2	879.4	1033.8	1269.5	1598.2	2000.3	2542.0	3132.0	3758.4	4381.5
20°	713.9	823.5	979.8	1203.6	1527.0	1972.2	2662.4	3498.8	4341.7	5375.2	6290.4
17.5°	765.3	904.8	1097.4	1377.3	1808.8	2490.7	3448.2	4615.9	5923.5	7409.6	8729.0
15°	808.0	974.4	1217.5	1609.1	2202.6	3078.3	4285.9	5892.2	7857.2	9853.0	11877.8
12.5°	857.7	1050.1	1335.7	1802.6	2548.0	3711.9	5355.5	7388.6	9842.7	12611.0	15874.4
10°	901.8	1124.5	1479.5	2057.5	2968.4	4372.6	6367.3	8813.4	11980.4	15963.3	21017.0
7.5°	934.5	1183.7	1590.5	2251.4	3331.8	5007.8	7323.3	10373.5	14397.7	19657.2	26592.9
5°	955.7	1226.5	1669.0	2401.1	3616.3	5480.6	8024.0	11480.1	16335.0	23773.6	35518.4
2.5°	968.4	1251.8	1713.8	2488.8	3789.3	5793.8	8557.0	12316.8	17590.5	26317.5	41259.2
0°	974.1	1258.9	1740.7	2535.4	3847.1	5914.8	8801.8	12698.1	18152.2	26911.9	42268.5
-2.5°	968.4	1251.8	1713.8	2488.8	3789.3	5793.8	8557.0	12316.8	17590.5	26317.5	41259.2
-5°	955.7	1226.5	1669.0	2401.1	3616.3	5480.6	8024.0	11480.1	16335.0	23773.6	35518.4
-7.5°	934.5	1183.7	1590.5	2251.4	3331.8	5007.8	7323.3	10373.5	14397.7	19657.2	26592.9
-10°	901.8	1124.5	1479.5	2057.5	2968.4	4372.6	6367.3	8813.4	11980.4	15963.3	21017.0
-12.5°	857.7	1050.1	1335.7	1802.6	2548.0	3711.9	5355.5	7388.6	9842.7	12611.0	15874.4
-15°	808.0	974.4	1217.5	1609.1	2202.6	3078.3	4285.9	5892.2	7857.2	9853.0	11877.8
-17.5°	765.3	904.8	1097.4	1377.3	1808.8	2490.7	3448.2	4615.9	5923.5	7409.6	8729.0
-20°	713.9	823.5	979.8	1203.6	1527.0	1972.2	2662.4	3498.8	4341.7	5375.2	6290.4

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Scaled Data Report



REPORT NUMBER: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-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°	669.6	760.2	879.4	1033.8	1269.5	1598.2	2000.3	2542.0	3132.0	3758.4	4381.5
-25°	627.0	694.1	789.9	915.0	1070.4	1284.6	1550.1	1837.9	2237.9	2589.4	3001.5
-27.5°	587.9	644.9	712.4	804.3	923.4	1046.8	1221.7	1401.8	1629.2	1817.2	2082.3
-30°	550.3	597.5	653.2	716.1	797.0	888.3	990.1	1110.0	1233.8	1353.4	1497.8
-32.5°	519.9	556.0	599.2	649.1	700.0	766.4	828.4	909.1	978.8	1054.9	1131.6
-35°	490.3	520.6	553.5	591.4	631.0	674.8	718.6	769.3	812.9	860.8	902.6
-37.5°	465.3	488.0	514.8	542.8	574.6	605.2	637.2	668.7	696.2	728.6	753.4
-40°	442.8	460.9	481.3	502.2	526.8	549.2	573.7	594.8	613.8	634.0	650.0
-42.5°	421.6	437.5	453.1	470.1	486.8	503.7	522.0	538.4	550.9	562.7	572.3
-45°	401.9	415.9	428.8	442.5	454.7	467.7	479.8	490.2	500.9	508.9	514.4
-47.5°	384.2	396.3	408.1	418.8	427.8	437.7	446.6	454.1	461.5	467.4	471.6
-50°	366.5	377.9	388.6	398.3	405.8	412.7	418.8	424.0	429.1	433.1	436.0
-52.5°	348.6	359.1	369.2	378.0	385.4	391.5	396.4	400.8	404.2	406.5	407.6
-55°	331.5	341.2	349.8	358.1	365.6	372.0	376.9	380.5	383.5	385.9	386.7
-57.5°	312.5	323.1	332.4	338.4	345.1	352.2	356.8	359.5	362.0	364.1	365.1
-60°	290.8	301.1	309.0	315.3	321.4	327.3	331.4	334.5	337.0	338.9	340.0
-62.5°	265.5	273.5	280.6	287.1	293.4	298.6	301.9	304.8	307.3	309.4	311.0
-65°	235.9	244.5	250.1	255.1	259.4	264.0	268.7	272.2	274.5	275.9	276.9
-67.5°	205.3	213.7	219.5	224.0	227.5	231.1	235.4	239.1	242.3	244.4	245.4
-70°	175.5	182.8	188.5	193.5	197.7	201.1	204.3	207.1	209.4	211.0	212.3
-72.5°	146.1	153.5	159.5	164.4	168.7	172.0	174.7	177.0	178.9	179.6	179.7
-75°	116.3	122.3	129.0	134.8	139.8	142.8	145.0	146.8	148.3	148.6	148.5
-77.5°	90.6	95.3	100.1	104.9	109.6	112.3	114.2	115.8	117.1	117.4	117.1
-80°	67.4	70.4	73.5	76.5	79.4	81.2	82.5	83.4	84.1	84.4	84.5
-82.5°	46.4	48.2	49.9	51.4	52.9	54.2	55.3	56.4	57.3	57.2	56.9
-85°	27.5	28.6	29.5	30.4	31.2	32.0	32.6	33.2	33.8	33.3	32.8
-87.5°	11.5	11.9	12.2	12.5	12.8	13.0	13.2	13.4	13.6	12.9	12.1
-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: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-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°	11.3	10.5	10.5	10.5	10.5	10.5	11.3	12.1	12.9	13.6	13.4
85°	32.1	31.4	31.6	31.6	31.6	31.4	32.1	32.8	33.3	33.8	33.2
82.5°	56.6	56.0	56.2	56.3	56.2	56.0	56.6	56.9	57.2	57.3	56.4
80°	84.3	84.0	82.6	80.9	82.6	84.0	84.3	84.5	84.4	84.1	83.4
77.5°	116.5	115.5	114.1	112.5	114.1	115.5	116.5	117.1	117.4	117.1	115.8
75°	148.0	147.1	147.5	147.7	147.5	147.1	148.0	148.5	148.6	148.3	146.8
72.5°	179.4	178.6	179.1	179.3	179.1	178.6	179.4	179.7	179.6	178.9	177.0
70°	213.1	213.5	212.6	211.0	212.6	213.5	213.1	212.3	211.0	209.4	207.1
67.5°	245.7	245.3	244.3	242.6	244.3	245.3	245.7	245.4	244.4	242.3	239.1
65°	277.2	276.9	277.5	277.8	277.5	276.9	277.2	276.9	275.9	274.5	272.2
62.5°	311.8	311.8	311.1	309.5	311.1	311.8	311.8	311.0	309.4	307.3	304.8
60°	340.5	340.2	339.3	337.6	339.3	340.2	340.5	340.0	338.9	337.0	334.5
57.5°	365.4	365.0	363.9	362.2	363.9	365.0	365.4	365.1	364.1	362.0	359.5
55°	386.8	386.3	385.1	383.3	385.1	386.3	386.8	386.7	385.9	383.5	380.5
52.5°	407.8	407.4	407.5	407.9	407.5	407.4	407.8	407.6	406.5	404.2	400.8
50°	437.7	438.3	437.8	436.0	437.8	438.3	437.7	436.0	433.1	429.1	424.0
47.5°	473.5	473.7	472.9	471.2	472.9	473.7	473.5	471.6	467.4	461.5	454.1
45°	518.6	521.2	521.9	520.4	521.9	521.2	518.6	514.4	508.9	500.9	490.2
42.5°	579.7	583.7	584.9	583.7	584.9	583.7	579.7	572.3	562.7	550.9	538.4
40°	659.8	664.4	665.2	664.6	665.2	664.4	659.8	650.0	634.0	613.8	594.8
37.5°	770.8	781.9	787.1	787.7	787.1	781.9	770.8	753.4	728.6	696.2	668.7
35°	934.4	956.6	968.4	974.1	968.4	956.6	934.4	902.6	860.8	812.9	769.3
32.5°	1189.7	1233.9	1258.4	1255.4	1258.4	1233.9	1189.7	1131.6	1054.9	978.8	909.1
30°	1606.6	1683.9	1722.9	1712.5	1722.9	1683.9	1606.6	1497.8	1353.4	1233.8	1110.0
27.5°	2272.7	2412.5	2493.4	2482.7	2493.4	2412.5	2272.7	2082.3	1817.2	1629.2	1401.8
25°	3346.1	3601.2	3764.5	3724.0	3764.5	3601.2	3346.1	3001.5	2589.4	2237.9	1837.9
22.5°	4978.8	5410.9	5696.9	5661.6	5696.9	5410.9	4978.8	4381.5	3758.4	3132.0	2542.0
20°	7218.5	7876.2	8345.7	8408.0	8345.7	7876.2	7218.5	6290.4	5375.2	4341.7	3498.8
17.5°	10154.2	11197.0	11922.9	12044.1	11922.9	11197.0	10154.2	8729.0	7409.6	5923.5	4615.9
15°	13969.6	15674.0	16907.6	17009.4	16907.6	15674.0	13969.6	11877.8	9853.0	7857.2	5892.2
12.5°	19150.4	22578.5	24815.7	25800.7	24815.7	22578.5	19150.4	15874.4	12611.0	9842.7	7388.6
10°	26320.4	34194.4	39237.0	41132.7	39237.0	34194.4	26320.4	21017.0	15963.3	11980.4	8813.4
7.5°	38296.4	50658.7	64402.3	70260.0	64402.3	50658.7	38296.4	26592.9	19657.2	14397.7	10373.5
5°	51858.2	77514.9	101919.1	111448.9	101919.1	77514.9	51858.2	35518.4	23773.6	16335.0	11480.1
2.5°	66128.8	101890.5	135402.1	148507.7	135402.1	101890.5	66128.8	41259.2	26317.5	17590.5	12316.8
0°	71701.7	112563.6	149434.3	164129.8	149434.3	112563.6	71701.7	42268.5	26911.9	18152.2	12698.1
-2.5°	66128.8	101890.5	135402.1	148507.7	135402.1	101890.5	66128.8	41259.2	26317.5	17590.5	12316.8
-5°	51858.2	77514.9	101919.1	111448.9	101919.1	77514.9	51858.2	35518.4	23773.6	16335.0	11480.1
-7.5°	38296.4	50658.7	64402.3	70260.0	64402.3	50658.7	38296.4	26592.9	19657.2	14397.7	10373.5
-10°	26320.4	34194.4	39237.0	41132.7	39237.0	34194.4	26320.4	21017.0	15963.3	11980.4	8813.4
-12.5°	19150.4	22578.5	24815.7	25800.7	24815.7	22578.5	19150.4	15874.4	12611.0	9842.7	7388.6
-15°	13969.6	15674.0	16907.6	17009.4	16907.6	15674.0	13969.6	11877.8	9853.0	7857.2	5892.2
-17.5°	10154.2	11197.0	11922.9	12044.1	11922.9	11197.0	10154.2	8729.0	7409.6	5923.5	4615.9
-20°	7218.5	7876.2	8345.7	8408.0	8345.7	7876.2	7218.5	6290.4	5375.2	4341.7	3498.8

Classified

Cooper Lighting Solutions Photometric Lab
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REPORT NUMBER: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-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°	4978.8	5410.9	5696.9	5661.6	5696.9	5410.9	4978.8	4381.5	3758.4	3132.0	2542.0
-25°	3346.1	3601.2	3764.5	3724.0	3764.5	3601.2	3346.1	3001.5	2589.4	2237.9	1837.9
-27.5°	2272.7	2412.5	2493.4	2482.7	2493.4	2412.5	2272.7	2082.3	1817.2	1629.2	1401.8
-30°	1606.6	1683.9	1722.9	1712.5	1722.9	1683.9	1606.6	1497.8	1353.4	1233.8	1110.0
-32.5°	1189.7	1233.9	1258.4	1255.4	1258.4	1233.9	1189.7	1131.6	1054.9	978.8	909.1
-35°	934.4	956.6	968.4	974.1	968.4	956.6	934.4	902.6	860.8	812.9	769.3
-37.5°	770.8	781.9	787.1	787.7	787.1	781.9	770.8	753.4	728.6	696.2	668.7
-40°	659.8	664.4	665.2	664.6	665.2	664.4	659.8	650.0	634.0	613.8	594.8
-42.5°	579.7	583.7	584.9	583.7	584.9	583.7	579.7	572.3	562.7	550.9	538.4
-45°	518.6	521.2	521.9	520.4	521.9	521.2	518.6	514.4	508.9	500.9	490.2
-47.5°	473.5	473.7	472.9	471.2	472.9	473.7	473.5	471.6	467.4	461.5	454.1
-50°	437.7	438.3	437.8	436.0	437.8	438.3	437.7	436.0	433.1	429.1	424.0
-52.5°	407.8	407.4	407.5	407.9	407.5	407.4	407.8	407.6	406.5	404.2	400.8
-55°	386.8	386.3	385.1	383.3	385.1	386.3	386.8	386.7	385.9	383.5	380.5
-57.5°	365.4	365.0	363.9	362.2	363.9	365.0	365.4	365.1	364.1	362.0	359.5
-60°	340.5	340.2	339.3	337.6	339.3	340.2	340.5	340.0	338.9	337.0	334.5
-62.5°	311.8	311.8	311.1	309.5	311.1	311.8	311.8	311.0	309.4	307.3	304.8
-65°	277.2	276.9	277.5	277.8	277.5	276.9	277.2	276.9	275.9	274.5	272.2
-67.5°	245.7	245.3	244.3	242.6	244.3	245.3	245.7	245.4	244.4	242.3	239.1
-70°	213.1	213.5	212.6	211.0	212.6	213.5	213.1	212.3	211.0	209.4	207.1
-72.5°	179.4	178.6	179.1	179.3	179.1	178.6	179.4	179.7	179.6	178.9	177.0
-75°	148.0	147.1	147.5	147.7	147.5	147.1	148.0	148.5	148.6	148.3	146.8
-77.5°	116.5	115.5	114.1	112.5	114.1	115.5	116.5	117.1	117.4	117.1	115.8
-80°	84.3	84.0	82.6	80.9	82.6	84.0	84.3	84.5	84.4	84.1	83.4
-82.5°	56.6	56.0	56.2	56.3	56.2	56.0	56.6	56.9	57.2	57.3	56.4
-85°	32.1	31.4	31.6	31.6	31.6	31.4	32.1	32.8	33.3	33.8	33.2
-87.5°	11.3	10.5	10.5	10.5	10.5	10.5	11.3	12.1	12.9	13.6	13.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-727-U-NR-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°	13.2	13.0	12.8	12.5	12.2	11.9	11.5	11.2	10.8	10.4	10.0
85°	32.6	32.0	31.2	30.4	29.5	28.6	27.5	25.9	24.3	22.8	21.3
82.5°	55.3	54.2	52.9	51.4	49.9	48.2	46.4	43.9	41.1	38.1	35.0
80°	82.5	81.2	79.4	76.5	73.5	70.4	67.4	64.5	61.4	58.2	54.8
77.5°	114.2	112.3	109.6	104.9	100.1	95.3	90.6	86.6	82.8	78.7	74.5
75°	145.0	142.8	139.8	134.8	129.0	122.3	116.3	111.3	106.1	100.6	94.8
72.5°	174.7	172.0	168.7	164.4	159.5	153.5	146.1	138.3	130.8	123.6	116.8
70°	204.3	201.1	197.7	193.5	188.5	182.8	175.5	166.6	156.5	146.6	139.2
67.5°	235.4	231.1	227.5	224.0	219.5	213.7	205.3	196.1	186.1	174.7	164.2
65°	268.7	264.0	259.4	255.1	250.1	244.5	235.9	225.8	214.9	203.5	191.6
62.5°	301.9	298.6	293.4	287.1	280.6	273.5	265.5	255.5	243.9	230.6	217.5
60°	331.4	327.3	321.4	315.3	309.0	301.1	290.8	281.7	273.9	258.9	243.2
57.5°	356.8	352.2	345.1	338.4	332.4	323.1	312.5	302.2	292.1	281.7	268.3
55°	376.9	372.0	365.6	358.1	349.8	341.2	331.5	320.5	309.7	300.2	287.8
52.5°	396.4	391.5	385.4	378.0	369.2	359.1	348.6	337.6	327.5	317.7	306.6
50°	418.8	412.7	405.8	398.3	388.6	377.9	366.5	354.6	344.3	334.3	323.8
47.5°	446.6	437.7	427.8	418.8	408.1	396.3	384.2	372.3	360.9	349.2	338.6
45°	479.8	467.7	454.7	442.5	428.8	415.9	401.9	389.6	377.4	364.7	351.6
42.5°	522.0	503.7	486.8	470.1	453.1	437.5	421.6	407.2	393.5	380.0	365.8
40°	573.7	549.2	526.8	502.2	481.3	460.9	442.8	424.7	409.5	394.9	379.2
37.5°	637.2	605.2	574.6	542.8	514.8	488.0	465.3	444.5	424.8	408.7	392.3
35°	718.6	674.8	631.0	591.4	553.5	520.6	490.3	465.3	442.8	422.1	404.8
32.5°	828.4	766.4	700.0	649.1	599.2	556.0	519.9	488.0	460.9	437.5	416.7
30°	990.1	888.3	797.0	716.1	653.2	597.5	550.3	513.5	481.3	453.1	428.8
27.5°	1221.7	1046.8	923.4	804.3	712.4	644.9	587.9	539.7	501.8	470.1	442.3
25°	1550.1	1284.6	1070.4	915.0	789.9	694.1	627.0	571.1	524.8	486.6	453.1
22.5°	2000.3	1598.2	1269.5	1033.8	879.4	760.2	669.6	602.2	545.8	501.1	464.6
20°	2662.4	1972.2	1527.0	1203.6	979.8	823.5	713.9	634.6	569.4	516.1	474.7
17.5°	3448.2	2490.7	1808.8	1377.3	1097.4	904.8	765.3	664.4	590.8	529.2	482.9
15°	4285.9	3078.3	2202.6	1609.1	1217.5	974.4	808.0	690.8	611.2	543.6	493.0
12.5°	5355.5	3711.9	2548.0	1802.6	1335.7	1050.1	857.7	724.3	631.3	559.1	503.6
10°	6367.3	4372.6	2968.4	2057.5	1479.5	1124.5	901.8	750.0	646.9	571.5	512.2
7.5°	7323.3	5007.8	3331.8	2251.4	1590.5	1183.7	934.5	768.6	658.0	580.1	518.7
5°	8024.0	5480.6	3616.3	2401.1	1669.0	1226.5	955.7	780.2	664.6	585.2	523.2
2.5°	8557.0	5793.8	3789.3	2488.8	1713.8	1251.8	968.4	789.0	671.0	589.3	528.1
0°	8801.8	5914.8	3847.1	2535.4	1740.7	1258.9	974.1	794.7	675.2	590.8	531.0
-2.5°	8557.0	5793.8	3789.3	2488.8	1713.8	1251.8	968.4	789.0	671.0	589.3	528.1
-5°	8024.0	5480.6	3616.3	2401.1	1669.0	1226.5	955.7	780.2	664.6	585.2	523.2
-7.5°	7323.3	5007.8	3331.8	2251.4	1590.5	1183.7	934.5	768.6	658.0	580.1	518.7
-10°	6367.3	4372.6	2968.4	2057.5	1479.5	1124.5	901.8	750.0	646.9	571.5	512.2
-12.5°	5355.5	3711.9	2548.0	1802.6	1335.7	1050.1	857.7	724.3	631.3	559.1	503.6
-15°	4285.9	3078.3	2202.6	1609.1	1217.5	974.4	808.0	690.8	611.2	543.6	493.0
-17.5°	3448.2	2490.7	1808.8	1377.3	1097.4	904.8	765.3	664.4	590.8	529.2	482.9
-20°	2662.4	1972.2	1527.0	1203.6	979.8	823.5	713.9	634.6	569.4	516.1	474.7

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Scaled Data Report



REPORT NUMBER: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4B-727-U-NR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2000.3	1598.2	1269.5	1033.8	879.4	760.2	669.6	602.2	545.8	501.1	464.6
-25°	1550.1	1284.6	1070.4	915.0	789.9	694.1	627.0	571.1	524.8	486.6	453.1
-27.5°	1221.7	1046.8	923.4	804.3	712.4	644.9	587.9	539.7	501.8	470.1	442.3
-30°	990.1	888.3	797.0	716.1	653.2	597.5	550.3	513.5	481.3	453.1	428.8
-32.5°	828.4	766.4	700.0	649.1	599.2	556.0	519.9	488.0	460.9	437.5	416.7
-35°	718.6	674.8	631.0	591.4	553.5	520.6	490.3	465.3	442.8	422.1	404.8
-37.5°	637.2	605.2	574.6	542.8	514.8	488.0	465.3	444.5	424.8	408.7	392.3
-40°	573.7	549.2	526.8	502.2	481.3	460.9	442.8	424.7	409.5	394.9	379.2
-42.5°	522.0	503.7	486.8	470.1	453.1	437.5	421.6	407.2	393.5	380.0	365.8
-45°	479.8	467.7	454.7	442.5	428.8	415.9	401.9	389.6	377.4	364.7	351.6
-47.5°	446.6	437.7	427.8	418.8	408.1	396.3	384.2	372.3	360.9	349.2	338.6
-50°	418.8	412.7	405.8	398.3	388.6	377.9	366.5	354.6	344.3	334.3	323.8
-52.5°	396.4	391.5	385.4	378.0	369.2	359.1	348.6	337.6	327.5	317.7	306.6
-55°	376.9	372.0	365.6	358.1	349.8	341.2	331.5	320.5	309.7	300.2	287.8
-57.5°	356.8	352.2	345.1	338.4	332.4	323.1	312.5	302.2	292.1	281.7	268.3
-60°	331.4	327.3	321.4	315.3	309.0	301.1	290.8	281.7	273.9	258.9	243.2
-62.5°	301.9	298.6	293.4	287.1	280.6	273.5	265.5	255.5	243.9	230.6	217.5
-65°	268.7	264.0	259.4	255.1	250.1	244.5	235.9	225.8	214.9	203.5	191.6
-67.5°	235.4	231.1	227.5	224.0	219.5	213.7	205.3	196.1	186.1	174.7	164.2
-70°	204.3	201.1	197.7	193.5	188.5	182.8	175.5	166.6	156.5	146.6	139.2
-72.5°	174.7	172.0	168.7	164.4	159.5	153.5	146.1	138.3	130.8	123.6	116.8
-75°	145.0	142.8	139.8	134.8	129.0	122.3	116.3	111.3	106.1	100.6	94.8
-77.5°	114.2	112.3	109.6	104.9	100.1	95.3	90.6	86.6	82.8	78.7	74.5
-80°	82.5	81.2	79.4	76.5	73.5	70.4	67.4	64.5	61.4	58.2	54.8
-82.5°	55.3	54.2	52.9	51.4	49.9	48.2	46.4	43.9	41.1	38.1	35.0
-85°	32.6	32.0	31.2	30.4	29.5	28.6	27.5	25.9	24.3	22.8	21.3
-87.5°	13.2	13.0	12.8	12.5	12.2	11.9	11.5	11.2	10.8	10.4	10.0
-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: P627319 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	9.5	9.1	8.6	8.1	7.6	7.0	6.5	6.0	5.4	4.8	4.2
85°	20.6	19.6	18.5	17.2	15.7	14.1	13.0	11.9	10.8	9.6	8.5
82.5°	33.2	32.0	30.8	29.2	26.9	24.6	22.2	19.7	17.2	14.6	12.7
80°	51.5	48.3	45.3	42.2	38.7	35.0	31.8	28.5	25.2	21.7	18.3
77.5°	70.0	65.4	60.6	56.2	51.7	47.1	42.4	37.6	33.1	28.8	24.5
75°	88.8	83.1	77.4	71.5	65.3	59.2	53.5	47.8	41.9	36.0	30.7
72.5°	109.7	102.4	94.8	87.1	80.0	72.7	65.2	57.8	51.0	44.1	37.0
70°	131.5	122.5	113.5	104.9	95.7	86.2	77.6	68.9	60.0	52.1	44.1
67.5°	154.3	145.1	134.5	123.1	112.7	102.0	90.4	80.1	70.2	60.0	51.0
65°	179.4	167.8	156.8	143.6	130.6	118.1	105.5	91.9	80.1	68.9	57.8
62.5°	203.9	190.0	176.7	163.1	148.9	134.5	120.4	105.1	90.3	77.6	65.2
60°	228.1	212.7	196.2	180.8	165.9	150.7	134.7	117.9	101.7	86.2	72.7
57.5°	251.2	235.0	216.4	198.2	181.6	165.7	148.5	130.3	112.7	95.5	80.0
55°	272.6	254.6	235.2	215.5	196.8	179.4	161.5	142.3	123.3	104.8	87.0
52.5°	292.3	273.5	252.9	231.9	211.5	192.6	173.7	153.7	133.4	113.8	94.5
50°	310.7	292.3	270.3	247.9	225.5	205.5	185.7	164.7	143.1	122.3	101.9
47.5°	326.6	309.1	287.9	263.7	239.8	218.2	197.4	175.5	152.4	130.5	109.0
45°	339.6	324.8	304.3	279.9	254.3	231.4	208.9	186.0	161.9	138.3	115.9
42.5°	351.7	337.9	319.5	295.9	269.3	244.5	220.2	196.2	171.1	145.8	122.4
40°	364.0	349.3	333.5	309.7	283.3	257.0	231.6	206.2	180.0	153.2	128.7
37.5°	375.5	360.2	344.2	322.6	295.9	268.8	242.5	215.8	188.2	160.5	134.6
35°	387.1	370.1	353.4	332.7	306.8	279.5	252.8	225.1	196.0	167.4	140.2
32.5°	398.3	379.2	361.2	340.9	316.8	289.2	262.1	233.1	203.3	173.7	145.4
30°	408.4	387.7	368.7	348.9	325.3	297.6	269.9	240.5	210.1	179.4	150.3
27.5°	416.6	394.8	375.9	355.7	332.1	305.2	276.8	247.1	216.4	184.8	155.0
25°	424.7	401.3	381.6	361.9	338.5	312.8	283.2	252.9	221.9	189.8	159.2
22.5°	433.7	407.4	386.0	367.9	345.0	320.1	289.2	258.0	226.6	194.3	162.9
20°	441.6	412.6	389.3	372.5	350.2	325.6	295.0	262.6	230.7	198.3	166.2
17.5°	448.6	418.2	393.7	375.2	354.3	330.3	300.3	266.6	234.2	201.8	169.0
15°	456.0	424.1	397.7	377.5	357.6	334.2	305.1	270.1	237.0	204.8	171.5
12.5°	462.5	429.0	400.8	379.2	360.1	337.4	309.4	273.0	239.2	207.3	173.8
10°	467.9	432.7	403.2	380.4	361.9	339.9	313.0	275.8	241.5	209.2	175.7
7.5°	472.1	435.3	404.7	381.0	363.1	341.8	316.1	279.1	243.5	210.5	177.2
5°	475.1	437.3	407.1	383.2	364.5	343.4	318.3	281.7	245.0	211.2	178.4
2.5°	477.4	439.1	409.6	385.3	365.4	344.3	319.6	283.6	245.9	211.4	179.1
0°	478.2	439.6	411.4	386.8	365.7	344.6	320.0	284.8	246.2	211.0	179.3
-2.5°	477.4	439.1	409.6	385.3	365.4	344.3	319.6	283.6	245.9	211.4	179.1
-5°	475.1	437.3	407.1	383.2	364.5	343.4	318.3	281.7	245.0	211.2	178.4
-7.5°	472.1	435.3	404.7	381.0	363.1	341.8	316.1	279.1	243.5	210.5	177.2
-10°	467.9	432.7	403.2	380.4	361.9	339.9	313.0	275.8	241.5	209.2	175.7
-12.5°	462.5	429.0	400.8	379.2	360.1	337.4	309.4	273.0	239.2	207.3	173.8
-15°	456.0	424.1	397.7	377.5	357.6	334.2	305.1	270.1	237.0	204.8	171.5
-17.5°	448.6	418.2	393.7	375.2	354.3	330.3	300.3	266.6	234.2	201.8	169.0
-20°	441.6	412.6	389.3	372.5	350.2	325.6	295.0	262.6	230.7	198.3	166.2



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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°	433.7	407.4	386.0	367.9	345.0	320.1	289.2	258.0	226.6	194.3	162.9
-25°	424.7	401.3	381.6	361.9	338.5	312.8	283.2	252.9	221.9	189.8	159.2
-27.5°	416.6	394.8	375.9	355.7	332.1	305.2	276.8	247.1	216.4	184.8	155.0
-30°	408.4	387.7	368.7	348.9	325.3	297.6	269.9	240.5	210.1	179.4	150.3
-32.5°	398.3	379.2	361.2	340.9	316.8	289.2	262.1	233.1	203.3	173.7	145.4
-35°	387.1	370.1	353.4	332.7	306.8	279.5	252.8	225.1	196.0	167.4	140.2
-37.5°	375.5	360.2	344.2	322.6	295.9	268.8	242.5	215.8	188.2	160.5	134.6
-40°	364.0	349.3	333.5	309.7	283.3	257.0	231.6	206.2	180.0	153.2	128.7
-42.5°	351.7	337.9	319.5	295.9	269.3	244.5	220.2	196.2	171.1	145.8	122.4
-45°	339.6	324.8	304.3	279.9	254.3	231.4	208.9	186.0	161.9	138.3	115.9
-47.5°	326.6	309.1	287.9	263.7	239.8	218.2	197.4	175.5	152.4	130.5	109.0
-50°	310.7	292.3	270.3	247.9	225.5	205.5	185.7	164.7	143.1	122.3	101.9
-52.5°	292.3	273.5	252.9	231.9	211.5	192.6	173.7	153.7	133.4	113.8	94.5
-55°	272.6	254.6	235.2	215.5	196.8	179.4	161.5	142.3	123.3	104.8	87.0
-57.5°	251.2	235.0	216.4	198.2	181.6	165.7	148.5	130.3	112.7	95.5	80.0
-60°	228.1	212.7	196.2	180.8	165.9	150.7	134.7	117.9	101.7	86.2	72.7
-62.5°	203.9	190.0	176.7	163.1	148.9	134.5	120.4	105.1	90.3	77.6	65.2
-65°	179.4	167.8	156.8	143.6	130.6	118.1	105.5	91.9	80.1	68.9	57.8
-67.5°	154.3	145.1	134.5	123.1	112.7	102.0	90.4	80.1	70.2	60.0	51.0
-70°	131.5	122.5	113.5	104.9	95.7	86.2	77.6	68.9	60.0	52.1	44.1
-72.5°	109.7	102.4	94.8	87.1	80.0	72.7	65.2	57.8	51.0	44.1	37.0
-75°	88.8	83.1	77.4	71.5	65.3	59.2	53.5	47.8	41.9	36.0	30.7
-77.5°	70.0	65.4	60.6	56.2	51.7	47.1	42.4	37.6	33.1	28.8	24.5
-80°	51.5	48.3	45.3	42.2	38.7	35.0	31.8	28.5	25.2	21.7	18.3
-82.5°	33.2	32.0	30.8	29.2	26.9	24.6	22.2	19.7	17.2	14.6	12.7
-85°	20.6	19.6	18.5	17.2	15.7	14.1	13.0	11.9	10.8	9.6	8.5
-87.5°	9.5	9.1	8.6	8.1	7.6	7.0	6.5	6.0	5.4	4.8	4.2
-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°	3.6	3.1	2.4	1.8	1.2	0.5	0.0
85°	7.3	6.1	4.9	3.7	2.5	1.1	0.0
82.5°	10.9	9.1	7.3	5.5	3.7	1.6	0.0
80°	14.7	12.1	9.7	7.3	4.9	2.1	0.0
77.5°	20.1	15.6	12.1	9.1	6.1	2.7	0.0
75°	25.3	19.8	14.7	10.9	7.2	3.2	0.0
72.5°	30.5	24.0	17.9	12.7	8.4	3.7	0.0
70°	35.7	28.0	21.0	14.5	9.5	4.2	0.0
67.5°	41.5	32.0	24.1	16.7	10.6	4.7	0.0
65°	47.3	36.3	27.1	18.9	11.6	5.1	0.0
62.5°	53.0	41.1	30.0	21.0	12.6	5.6	0.0
60°	58.5	45.7	32.8	23.1	13.6	6.0	0.0
57.5°	64.6	50.2	36.3	25.0	14.9	6.5	0.0
55°	70.5	54.5	39.8	27.0	16.1	6.9	0.0
52.5°	76.3	58.8	43.2	28.8	17.3	7.3	0.0
50°	82.0	63.5	46.5	30.5	18.5	7.6	0.0
47.5°	87.5	68.0	49.6	32.4	19.6	8.0	0.0
45°	93.3	72.3	52.6	34.6	20.7	8.3	0.0
42.5°	98.9	76.4	55.5	36.8	21.8	8.6	0.0
40°	104.2	80.4	58.4	38.9	22.8	8.9	0.0
37.5°	109.3	84.1	61.4	40.9	23.8	9.2	0.0
35°	114.1	87.9	64.2	42.8	24.7	9.4	0.0
32.5°	118.5	91.6	66.8	44.6	25.6	9.7	0.0
30°	122.7	95.0	69.2	46.3	26.4	9.9	0.0
27.5°	126.5	98.2	71.6	47.9	27.2	10.1	0.0
25°	130.0	101.1	73.8	49.3	27.9	10.2	0.0
22.5°	133.2	103.7	75.8	50.6	28.6	10.3	0.0
20°	136.1	106.0	77.6	51.8	29.2	10.4	0.0
17.5°	138.4	107.9	79.1	52.9	29.7	10.5	0.0
15°	140.4	109.5	80.5	53.8	30.2	10.6	0.0
12.5°	141.9	110.8	81.7	54.5	30.6	10.6	0.0
10°	143.1	111.8	82.7	55.2	31.0	10.6	0.0
7.5°	143.9	112.4	83.4	55.7	31.2	10.6	0.0
5°	144.4	112.7	84.0	56.0	31.4	10.6	0.0
2.5°	144.5	112.8	84.3	56.2	31.6	10.6	0.0
0°	144.2	112.5	84.4	56.3	31.6	10.5	0.0
-2.5°	144.5	112.8	84.3	56.2	31.6	10.6	0.0
-5°	144.4	112.7	84.0	56.0	31.4	10.6	0.0
-7.5°	143.9	112.4	83.4	55.7	31.2	10.6	0.0
-10°	143.1	111.8	82.7	55.2	31.0	10.6	0.0
-12.5°	141.9	110.8	81.7	54.5	30.6	10.6	0.0
-15°	140.4	109.5	80.5	53.8	30.2	10.6	0.0
-17.5°	138.4	107.9	79.1	52.9	29.7	10.5	0.0
-20°	136.1	106.0	77.6	51.8	29.2	10.4	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	133.2	103.7	75.8	50.6	28.6	10.3	0.0
-25°	130.0	101.1	73.8	49.3	27.9	10.2	0.0
-27.5°	126.5	98.2	71.6	47.9	27.2	10.1	0.0
-30°	122.7	95.0	69.2	46.3	26.4	9.9	0.0
-32.5°	118.5	91.6	66.8	44.6	25.6	9.7	0.0
-35°	114.1	87.9	64.2	42.8	24.7	9.4	0.0
-37.5°	109.3	84.1	61.4	40.9	23.8	9.2	0.0
-40°	104.2	80.4	58.4	38.9	22.8	8.9	0.0
-42.5°	98.9	76.4	55.5	36.8	21.8	8.6	0.0
-45°	93.3	72.3	52.6	34.6	20.7	8.3	0.0
-47.5°	87.5	68.0	49.6	32.4	19.6	8.0	0.0
-50°	82.0	63.5	46.5	30.5	18.5	7.6	0.0
-52.5°	76.3	58.8	43.2	28.8	17.3	7.3	0.0
-55°	70.5	54.5	39.8	27.0	16.1	6.9	0.0
-57.5°	64.6	50.2	36.3	25.0	14.9	6.5	0.0
-60°	58.5	45.7	32.8	23.1	13.6	6.0	0.0
-62.5°	53.0	41.1	30.0	21.0	12.6	5.6	0.0
-65°	47.3	36.3	27.1	18.9	11.6	5.1	0.0
-67.5°	41.5	32.0	24.1	16.7	10.6	4.7	0.0
-70°	35.7	28.0	21.0	14.5	9.5	4.2	0.0
-72.5°	30.5	24.0	17.9	12.7	8.4	3.7	0.0
-75°	25.3	19.8	14.7	10.9	7.2	3.2	0.0
-77.5°	20.1	15.6	12.1	9.1	6.1	2.7	0.0
-80°	14.7	12.1	9.7	7.3	4.9	2.1	0.0
-82.5°	10.9	9.1	7.3	5.5	3.7	1.6	0.0
-85°	7.3	6.1	4.9	3.7	2.5	1.1	0.0
-87.5°	3.6	3.1	2.4	1.8	1.2	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)