

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: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2D-727-U-WR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2D-727-U-WR-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQUARE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	9741.9 lumens	Max Intensity:	11042.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	89.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		

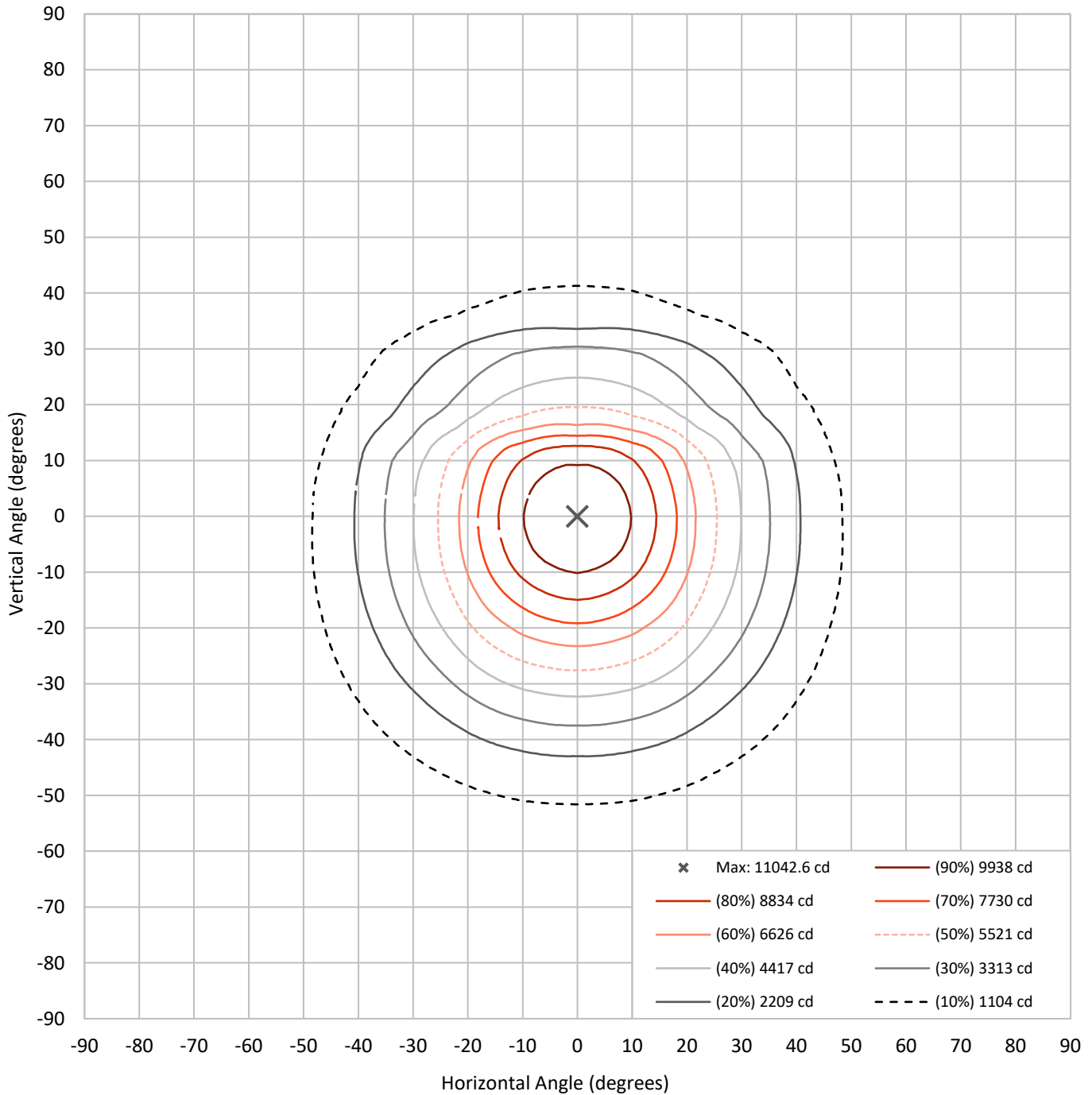
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	4690.3 lumens	Field Lumens:	8722.4 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%

Input Watts (W): 108.74
Input Voltage (V): 120
Input Current (A_{in}): 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	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0						
70																			
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
50		0.2	0.5	0.9	1.5	2.2	3.1	3.4	3.4	3.1	2.2	1.5	0.9	0.5	0.2				
40	0.4	0.7	1.9	4.0	7.3	11.9	17.2	21.0	21.0	17.2	11.9	7.3	4.0	1.9	0.7			0.4	
30		1.5	3.8	8.8	18.2	33.4	51.1	61.4	61.4	51.1	33.4	18.2	8.8	3.8	1.5				
20	1.1	2.3	6.2	16.0	37.8	71.1	108.1	130.3	130.3	108.1	71.1	37.8	16.0	6.2	2.3			1.1	
10		3.2	8.8	25.1	62.2	115.1	179.9	222.4	222.4	179.9	115.1	62.2	25.1	8.8	3.2				
0	1.5	3.7	11.0	32.4	81.8	152.4	244.6	310.2	310.2	244.6	152.4	81.8	32.4	11.0	3.7			1.5	
-10		3.8	11.5	33.5	82.9	154.6	247.1	312.1	312.1	247.1	154.6	82.9	33.5	11.5	3.8				
-20	1.6	3.8	10.9	29.8	73.5	135.7	209.2	258.2	258.2	209.2	135.7	73.5	29.8	10.9	3.8			1.6	
-30		3.5	9.4	23.3	54.8	102.3	152.5	182.9	182.9	152.5	102.3	54.8	23.3	9.4	3.5				
-40	1.4	3.0	7.6	16.9	34.5	63.5	95.8	114.0	114.0	95.8	63.5	34.5	16.9	7.6	3.0			1.4	
-50		2.5	5.9	11.7	20.7	33.2	47.7	56.7	56.7	47.7	33.2	20.7	11.7	5.9	2.5				
-60	0.9	2.0	4.3	7.8	12.7	18.2	23.6	26.7	26.7	23.6	18.2	12.7	7.8	4.3	2.0			0.9	
-70		1.4	2.9	4.8	7.3	10.0	12.3	13.4	13.4	12.3	10.0	7.3	4.8	2.9	1.4				
-80	0.2	2.8	7.1	12.8	11.7	12.8	7.1	2.8	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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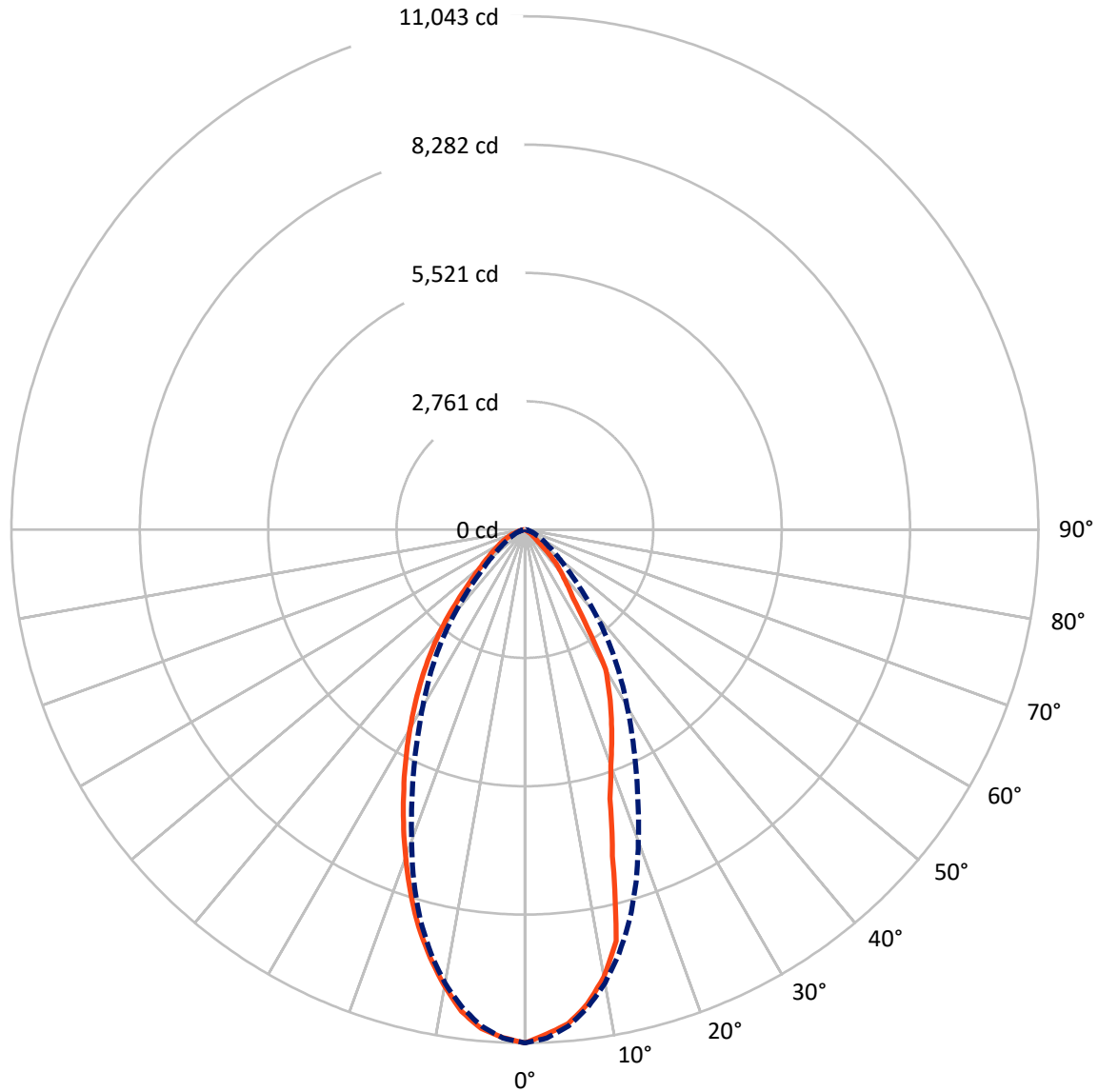
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Luminous Intensity Polar Plot

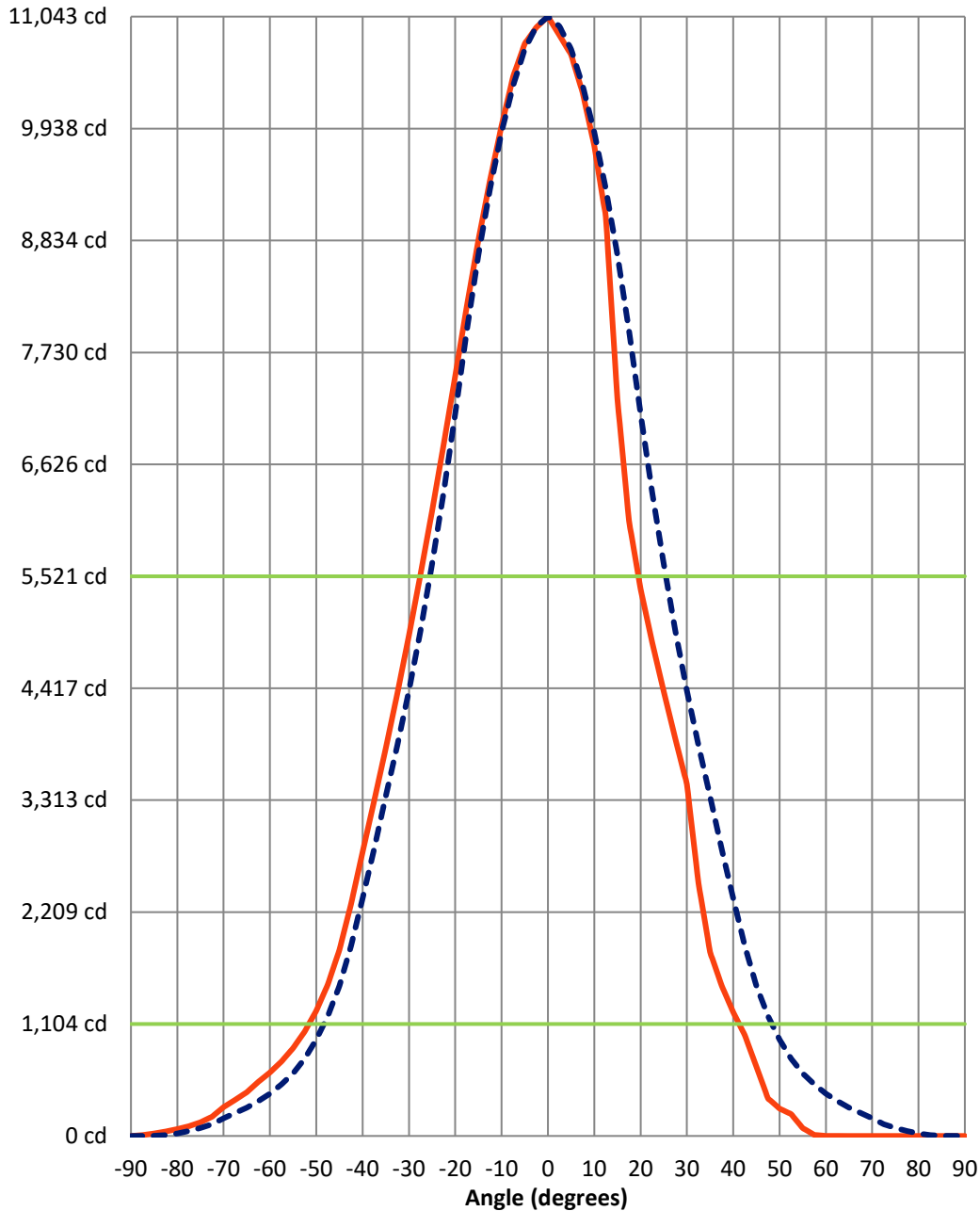


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 50.9°
 V Angle: 47.1°
 Lumens: 4690.3
 Efficiency: 48.1%

Field:
 H Angle: 96.7°
 V Angle: 92.9°
 Lumens: 8722.4
 Efficiency: 89.5%

Spill:
 Lumens: 1019.6
 Efficiency: 10.5%

— 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	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
67.5°	0.0	0.3	0.6	0.8	0.8	0.8	0.9	0.8	0.8	1.0	1.0
65°	0.0	0.3	0.7	0.8	0.8	0.9	1.0	0.8	1.1	1.3	1.5
62.5°	0.0	0.4	0.7	0.8	0.8	1.1	1.1	1.1	1.5	2.1	3.3
60°	0.0	0.4	0.8	0.8	0.8	1.3	1.3	1.5	1.9	5.2	5.6
57.5°	0.0	0.4	0.8	0.8	1.0	1.5	2.2	2.1	5.2	8.8	9.7
55°	0.0	0.5	0.8	0.8	1.3	1.8	3.3	3.0	9.4	13.3	15.0
52.5°	0.0	0.5	0.8	0.8	1.5	2.2	4.6	7.4	14.1	19.7	21.3
50°	0.0	0.5	0.9	0.8	1.8	3.6	6.1	12.3	19.6	26.8	32.4
47.5°	0.0	0.5	0.9	0.9	2.1	5.0	8.1	17.2	27.0	34.7	44.0
45°	0.0	0.6	0.9	1.1	2.4	6.6	12.3	22.1	34.4	44.9	55.4
42.5°	0.0	0.6	0.9	1.3	2.7	8.2	16.6	27.9	41.7	55.0	68.1
40°	0.0	0.6	1.0	1.6	3.5	10.0	20.8	34.3	49.4	64.8	81.3
37.5°	0.0	0.6	1.0	1.9	4.8	11.8	25.0	40.6	57.7	75.0	94.8
35°	0.0	0.7	1.0	2.3	6.2	14.6	29.1	46.8	66.0	87.1	109.5
32.5°	0.0	0.7	1.1	2.7	7.6	17.9	33.5	52.9	74.3	99.6	126.1
30°	0.0	0.7	1.1	3.1	9.0	21.1	38.4	59.1	82.6	112.3	142.8
27.5°	0.0	0.7	1.1	3.6	10.6	24.2	43.2	65.9	91.8	125.2	159.5
25°	0.0	0.7	1.2	4.0	12.1	27.2	47.8	72.5	102.3	138.9	176.3
22.5°	0.0	0.7	1.2	4.5	13.7	30.1	52.3	79.0	112.7	152.8	193.2
20°	0.0	0.8	1.3	5.0	15.2	32.9	56.5	85.2	122.9	166.5	209.4
17.5°	0.0	0.8	1.3	5.5	16.6	35.6	60.4	91.2	132.9	179.7	224.7
15°	0.0	0.8	1.4	6.0	18.0	38.1	64.0	96.5	142.6	192.4	239.2
12.5°	0.0	0.8	1.4	6.5	19.3	40.4	67.2	101.0	150.5	204.6	252.7
10°	0.0	0.8	1.4	7.0	20.5	42.5	70.2	104.9	156.9	211.8	263.3
7.5°	0.0	0.8	1.5	7.5	21.7	44.4	72.9	108.4	162.5	217.2	268.9
5°	0.0	0.8	1.5	7.9	22.7	46.2	75.2	111.4	167.3	221.6	273.4
2.5°	0.0	0.8	1.6	8.3	23.7	47.6	77.2	113.9	171.3	224.9	276.8
0°	0.0	0.8	1.6	8.7	24.5	48.9	78.9	115.9	174.3	227.2	279.2
-2.5°	0.0	0.9	1.8	9.3	25.6	50.4	81.0	119.2	177.7	230.5	282.9
-5°	0.0	0.9	2.1	9.8	26.6	51.7	82.8	122.0	180.2	232.8	285.6
-7.5°	0.0	0.9	2.3	10.2	27.4	52.8	84.2	124.2	181.8	234.3	287.1
-10°	0.0	1.0	2.5	10.6	28.1	53.6	85.2	125.8	182.5	234.9	287.6
-12.5°	0.0	1.0	2.7	11.0	28.6	54.1	85.8	126.7	182.2	234.5	286.3
-15°	0.0	1.1	2.9	11.2	29.0	54.3	86.0	126.9	180.9	232.4	283.5
-17.5°	0.0	1.1	3.1	11.5	29.1	54.3	85.7	126.6	178.6	229.7	279.6
-20°	0.0	1.1	3.3	11.6	29.1	54.0	85.5	126.0	175.7	226.2	274.7

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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	1.2	3.4	11.7	28.9	53.4	85.5	124.9	172.2	222.1	268.7
-25°	0.0	1.2	3.5	11.7	28.4	53.2	85.2	123.2	168.2	217.3	261.7
-27.5°	0.0	1.2	3.6	11.6	27.8	53.0	84.3	121.1	163.8	211.9	255.3
-30°	0.0	1.2	3.7	11.4	27.0	52.4	83.1	118.4	160.0	205.7	248.3
-32.5°	0.0	1.2	3.8	11.2	26.6	51.5	81.4	116.2	156.2	199.3	240.9
-35°	0.0	1.2	3.8	10.8	26.1	50.3	79.9	113.7	151.8	192.6	233.0
-37.5°	0.0	1.2	3.8	10.4	25.3	49.0	78.0	110.8	147.0	185.8	223.6
-40°	0.0	1.2	3.8	9.9	24.3	47.8	75.8	107.4	141.7	179.5	213.7
-42.5°	0.0	1.2	3.8	9.5	23.6	46.3	73.1	103.5	136.8	171.2	203.1
-45°	0.0	1.2	3.7	9.1	23.1	44.5	70.0	99.4	131.8	162.4	192.2
-47.5°	0.0	1.1	3.7	8.6	22.4	42.4	66.5	95.2	126.1	153.2	182.0
-50°	0.0	1.1	3.5	8.5	21.5	40.0	63.4	90.5	118.7	144.9	171.5
-52.5°	0.0	1.1	3.4	8.3	20.3	37.3	60.0	85.3	111.3	136.2	160.9
-55°	0.0	1.0	3.3	8.1	18.9	35.1	56.3	79.8	103.7	127.1	150.8
-57.5°	0.0	1.0	3.1	7.8	17.2	32.7	52.3	74.8	95.7	118.0	140.5
-60°	0.0	0.9	2.9	7.4	15.5	30.0	47.9	68.8	87.5	108.5	129.8
-62.5°	0.0	0.9	2.7	6.9	14.4	27.0	43.7	62.2	79.4	98.6	118.7
-65°	0.0	0.8	2.5	6.3	13.2	23.7	39.1	55.3	70.7	88.2	107.2
-67.5°	0.0	0.7	2.3	5.6	11.8	20.7	34.1	48.3	61.6	77.2	94.4
-70°	0.0	0.7	2.1	4.8	10.3	18.2	28.8	41.1	53.0	65.7	80.8
-72.5°	0.0	0.6	1.9	4.3	8.6	15.4	24.5	33.7	44.1	55.2	67.0
-75°	0.0	0.5	1.6	3.7	6.9	12.5	20.1	27.4	35.0	44.6	54.7
-77.5°	0.0	0.4	1.4	3.1	5.7	9.5	15.5	21.6	27.8	34.4	42.0
-80°	0.0	0.3	1.1	2.5	4.6	7.2	10.7	15.6	20.7	26.1	31.7
-82.5°	0.0	0.3	0.8	1.9	3.5	5.5	7.9	10.4	13.5	17.6	21.9
-85°	0.0	0.2	0.6	1.3	2.3	3.7	5.3	7.0	8.9	11.0	13.3
-87.5°	0.0	0.1	0.3	0.6	1.2	1.8	2.7	3.5	4.5	5.5	6.7
-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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.4
65°	0.8	0.8	1.1	1.2	0.8	0.8	0.8	0.8	0.8	0.7	0.7
62.5°	1.2	1.4	1.8	2.8	2.1	0.8	1.6	1.8	1.2	1.0	1.1
60°	3.5	2.4	6.1	8.4	5.5	2.9	3.6	7.2	5.9	1.6	4.2
57.5°	7.0	8.6	15.3	16.0	12.3	8.3	18.3	20.3	16.8	10.6	15.2
55°	14.5	20.4	25.8	25.5	25.6	32.2	37.9	37.2	32.8	45.2	57.0
52.5°	27.5	33.6	37.1	40.4	49.7	55.8	57.6	61.0	73.9	89.3	92.1
50°	40.3	46.6	51.3	63.3	72.7	77.6	82.1	93.8	113.3	123.9	125.5
47.5°	53.3	60.3	72.7	85.9	95.0	102.3	110.1	136.8	158.5	167.5	170.8
45°	66.9	79.0	94.5	108.0	118.6	128.4	153.8	190.4	205.6	219.4	254.5
42.5°	80.9	99.3	116.7	130.8	142.7	163.4	198.8	234.1	255.9	285.3	327.7
40°	98.9	119.5	139.6	154.0	168.9	200.2	244.0	281.4	304.5	343.9	392.2
37.5°	117.2	141.2	163.0	178.1	199.0	241.4	292.8	337.6	366.3	398.4	475.9
35°	135.2	163.3	185.7	206.0	231.8	290.3	353.6	403.5	439.0	493.8	592.0
32.5°	154.4	185.8	208.7	236.4	278.8	344.2	422.0	477.4	536.2	615.1	772.3
30°	174.9	206.9	233.2	266.5	323.4	399.7	490.0	559.6	639.4	767.6	937.0
27.5°	195.3	228.0	260.4	302.7	365.2	447.6	541.9	651.7	754.8	898.1	1083.3
25°	214.9	249.4	287.0	338.1	405.7	492.0	594.9	721.5	856.1	1020.0	1237.5
22.5°	233.6	271.2	315.2	370.1	439.9	534.1	656.8	805.6	967.3	1137.0	1387.0
20°	252.0	295.5	346.0	407.4	471.3	573.0	717.3	897.5	1100.2	1332.7	1577.7
17.5°	270.1	319.5	377.8	446.1	523.5	627.5	779.4	994.0	1240.6	1543.3	1844.9
15°	287.9	343.0	408.5	484.3	576.1	700.4	873.0	1108.8	1406.8	1769.3	2126.5
12.5°	305.1	365.9	438.1	521.6	627.2	769.1	961.2	1215.5	1557.0	1990.1	2429.0
10°	321.6	387.8	466.1	557.6	676.1	833.0	1039.1	1307.9	1670.4	2116.6	2604.8
7.5°	330.0	402.6	490.0	591.8	722.2	891.6	1107.0	1386.0	1758.9	2218.4	2707.9
5°	336.1	409.4	499.0	605.5	747.5	931.5	1158.8	1449.8	1824.2	2295.0	2777.7
2.5°	340.7	414.3	505.5	613.2	757.5	944.8	1176.0	1472.1	1859.2	2335.0	2818.4
0°	343.9	417.3	509.5	617.6	762.7	951.2	1183.9	1481.3	1874.1	2344.2	2833.2
-2.5°	347.3	421.4	513.8	624.4	770.0	960.0	1192.6	1487.8	1885.2	2346.7	2841.2
-5°	349.2	423.5	515.4	627.7	772.3	961.6	1192.0	1481.6	1876.3	2328.3	2823.8
-7.5°	349.8	423.8	514.5	627.1	769.4	954.2	1179.4	1463.1	1845.7	2291.0	2781.2
-10°	348.9	421.9	511.1	621.4	760.7	938.7	1156.9	1431.1	1795.5	2229.5	2709.1
-12.5°	346.4	417.9	505.1	612.1	746.7	916.7	1125.1	1385.4	1725.7	2143.9	2607.5
-15°	342.3	412.1	496.3	599.3	727.5	888.3	1084.3	1326.1	1635.8	2035.2	2481.0
-17.5°	336.6	404.3	484.7	582.9	702.9	853.9	1035.0	1256.7	1538.8	1913.8	2340.4
-20°	329.5	394.6	470.5	563.0	674.5	817.6	989.2	1195.2	1448.1	1774.9	2174.5

Classified

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

Scaled Data Report



REPORT NUMBER: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	320.7	383.0	455.4	543.9	649.4	780.0	938.1	1125.5	1346.3	1614.3	1993.4
-25°	311.8	371.9	440.8	522.7	620.7	737.3	879.5	1050.3	1250.2	1495.5	1809.0
-27.5°	302.9	359.1	423.9	498.2	588.5	693.2	824.5	980.2	1158.3	1366.9	1622.2
-30°	292.9	344.9	405.2	472.5	557.6	654.9	768.3	901.7	1060.2	1248.6	1470.6
-32.5°	282.0	329.7	387.2	450.3	524.6	613.1	711.2	831.9	969.7	1125.2	1317.1
-35°	271.1	316.6	368.7	426.4	489.1	572.0	662.2	762.3	879.5	1017.2	1170.6
-37.5°	260.7	302.4	348.9	402.7	461.5	530.3	610.0	700.3	801.3	910.8	1043.4
-40°	249.1	287.0	331.0	379.8	431.7	491.4	563.2	639.9	726.8	823.2	925.6
-42.5°	236.4	272.9	313.0	355.1	402.8	456.1	515.6	585.8	658.0	738.7	828.0
-45°	224.0	257.5	294.2	332.6	372.8	419.9	473.9	532.3	596.3	662.2	737.2
-47.5°	211.0	241.6	275.7	309.2	344.8	384.9	430.9	483.8	537.2	595.9	654.1
-50°	197.9	226.6	255.3	286.6	318.4	351.8	390.6	436.4	485.0	533.7	584.9
-52.5°	186.3	211.1	237.0	263.8	292.8	322.6	354.9	392.6	435.1	478.0	522.1
-55°	174.3	197.2	218.6	242.6	267.8	294.5	323.3	355.0	387.1	426.2	464.2
-57.5°	162.7	182.9	201.6	222.1	244.4	267.2	293.1	320.0	349.1	378.7	409.8
-60°	151.0	168.2	185.1	202.8	221.6	241.8	262.7	286.4	311.3	336.9	363.9
-62.5°	138.9	152.9	167.7	183.9	200.4	216.0	233.6	252.9	273.5	295.5	318.3
-65°	125.3	136.9	149.4	163.4	178.9	191.5	204.9	219.5	236.5	254.6	272.6
-67.5°	110.8	121.1	131.3	141.7	154.3	165.5	176.6	188.2	200.9	215.7	230.1
-70°	94.8	105.0	113.9	122.6	130.6	138.6	148.0	157.2	167.4	180.7	193.8
-72.5°	78.4	88.0	96.5	103.8	109.5	114.3	120.0	126.7	136.5	148.8	160.4
-75°	63.4	71.2	79.1	86.2	89.8	91.2	92.4	95.9	105.9	118.5	129.7
-77.5°	49.4	56.1	62.6	68.8	71.4	72.3	72.8	72.8	80.1	90.9	102.3
-80°	36.4	41.1	46.5	51.8	53.4	53.9	53.9	53.6	59.6	67.3	75.6
-82.5°	25.3	28.7	32.2	35.8	36.2	36.0	35.5	35.0	39.8	45.4	51.1
-85°	14.8	16.2	18.3	20.5	20.7	20.6	20.2	19.6	22.3	25.4	28.6
-87.5°	7.4	8.1	8.8	9.5	9.3	8.9	8.4	7.8	8.5	9.3	10.1
-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: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-WR-VSR-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°	0.7	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.8	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.8	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.8	0.7	0.5	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.8	0.7	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.6	0.4	0.2	0.1	0.2	0.2	0.1	0.0	0.0
62.5°	1.0	1.0	0.7	0.7	0.7	0.8	0.6	0.6	0.5	0.6	0.7
60°	4.5	2.6	2.6	3.3	2.8	1.3	2.6	3.3	3.1	2.3	2.0
57.5°	22.7	19.0	13.3	22.2	22.9	15.9	17.3	22.6	21.9	16.9	16.9
55°	57.1	57.9	62.2	67.8	71.9	73.8	75.5	84.0	93.1	102.0	106.4
52.5°	94.2	105.3	119.0	128.0	134.4	147.4	165.6	173.9	182.0	191.3	197.9
50°	138.8	157.9	171.7	173.6	195.3	209.3	212.6	228.3	245.4	256.0	263.6
47.5°	206.5	230.7	242.7	250.3	276.6	305.5	305.5	314.5	357.2	379.6	390.4
45°	297.4	317.6	338.8	393.9	444.5	460.6	495.0	541.6	571.9	613.6	659.4
42.5°	374.8	412.7	465.8	526.5	577.3	619.6	670.7	726.7	794.0	857.3	911.9
40°	451.4	498.3	564.1	630.1	694.1	752.6	835.0	907.1	986.5	1073.5	1146.1
37.5°	551.4	611.5	679.5	762.7	862.2	927.2	1040.6	1144.1	1233.5	1338.7	1403.4
35°	704.9	783.2	843.4	1011.7	1132.7	1208.8	1343.0	1513.1	1578.5	1710.9	1773.7
32.5°	897.9	1002.0	1160.5	1383.3	1544.9	1685.0	1885.5	2058.2	2205.4	2338.3	2476.6
30°	1114.8	1275.5	1509.0	1805.0	1969.3	2165.4	2436.6	2641.3	2872.1	3125.4	3214.2
27.5°	1311.6	1552.3	1823.4	2063.2	2299.1	2543.4	2809.9	3072.9	3322.7	3533.5	3674.9
25°	1494.0	1785.5	2049.0	2305.3	2560.8	2836.0	3137.4	3435.6	3710.5	3927.4	4092.4
22.5°	1682.2	1990.1	2272.1	2532.1	2829.4	3141.1	3461.6	3803.7	4116.6	4341.6	4521.2
20°	1859.1	2201.6	2523.2	2819.2	3100.2	3460.1	3829.2	4192.1	4532.8	4800.8	5007.9
17.5°	2140.0	2437.2	2830.2	3214.8	3531.5	3862.1	4355.3	4729.8	5107.8	5428.8	5648.4
15°	2484.9	2811.7	3217.5	3745.7	4179.5	4558.3	5067.9	5677.1	6123.0	6532.8	6813.9
12.5°	2830.0	3199.6	3638.6	4233.0	4850.7	5296.9	5915.1	6687.1	7206.4	7840.9	8153.7
10°	3094.5	3558.7	4010.8	4553.2	5146.5	5781.8	6448.2	7170.5	7864.4	8409.2	8896.3
7.5°	3201.0	3695.5	4218.9	4772.3	5365.4	6021.2	6731.4	7483.0	8197.2	8805.7	9340.9
5°	3280.6	3787.3	4314.1	4880.0	5514.1	6198.8	6919.7	7708.7	8438.1	9090.3	9637.9
2.5°	3331.2	3842.7	4367.2	4942.5	5609.4	6314.4	7058.5	7868.5	8608.8	9280.2	9826.0
0°	3350.6	3854.7	4391.8	4984.2	5644.3	6351.1	7127.2	7946.7	8692.9	9342.0	9903.6
-2.5°	3353.3	3843.5	4393.4	4982.9	5614.6	6327.9	7113.4	7926.1	8657.1	9303.6	9870.2
-5°	3327.0	3817.0	4367.4	4947.9	5580.5	6288.4	7040.2	7825.6	8522.8	9152.0	9697.5
-7.5°	3273.6	3762.3	4300.5	4867.7	5483.2	6170.0	6892.0	7622.1	8306.1	8909.6	9430.2
-10°	3194.4	3672.8	4192.4	4745.1	5327.5	5980.7	6669.2	7366.8	8008.2	8566.2	9047.7
-12.5°	3087.2	3554.5	4050.7	4578.4	5120.5	5743.3	6393.3	7048.4	7633.0	8142.5	8574.5
-15°	2947.9	3404.4	3884.9	4383.8	4909.6	5472.7	6056.1	6657.0	7196.2	7648.0	8042.6
-17.5°	2783.9	3226.6	3682.9	4145.5	4644.3	5172.7	5714.3	6253.7	6713.5	7114.9	7475.7
-20°	2601.0	3027.6	3461.0	3892.2	4344.8	4833.4	5333.7	5807.4	6209.3	6574.0	6904.2

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2396.0	2804.3	3219.7	3623.3	4031.4	4473.8	4920.5	5349.0	5724.9	6036.9	6323.9
-25°	2176.5	2553.8	2946.1	3324.4	3700.0	4096.5	4502.3	4896.5	5227.3	5498.2	5735.3
-27.5°	1955.4	2300.1	2645.7	3001.9	3349.1	3715.0	4082.3	4422.8	4719.8	4969.2	5168.5
-30°	1722.9	2031.1	2346.7	2669.0	3000.5	3335.4	3667.3	3965.4	4224.7	4444.1	4616.3
-32.5°	1529.7	1763.8	2042.5	2335.1	2645.8	2950.9	3239.7	3511.4	3755.7	3947.3	4093.3
-35°	1344.6	1542.8	1751.5	2010.5	2277.5	2558.2	2823.8	3066.3	3284.1	3451.5	3588.8
-37.5°	1185.4	1342.2	1518.6	1703.6	1927.4	2159.5	2399.2	2627.2	2821.4	2967.4	3090.2
-40°	1047.6	1171.4	1312.4	1458.9	1623.7	1790.4	1999.1	2191.6	2350.1	2486.6	2597.7
-42.5°	923.0	1027.5	1131.6	1251.8	1376.1	1510.1	1656.6	1799.0	1920.6	2034.9	2129.3
-45°	815.5	898.9	982.0	1074.8	1166.0	1275.0	1379.7	1473.1	1571.6	1657.1	1724.4
-47.5°	721.5	786.5	857.7	927.2	1000.5	1082.6	1160.4	1231.5	1303.7	1366.2	1416.4
-50°	637.9	691.8	749.9	804.5	863.8	923.8	981.4	1038.0	1092.8	1140.4	1177.4
-52.5°	564.8	611.9	657.1	700.6	747.8	792.2	833.8	880.5	923.4	960.9	986.2
-55°	502.5	541.0	578.0	614.3	650.0	683.7	716.9	753.1	786.2	816.0	834.9
-57.5°	444.0	476.8	508.2	537.8	566.1	592.9	620.9	648.7	674.2	696.7	711.3
-60°	390.8	417.6	444.7	468.9	491.7	513.1	536.7	559.0	579.6	596.9	607.0
-62.5°	342.0	366.0	386.1	405.3	424.7	443.9	460.7	477.1	493.0	506.4	515.2
-65°	291.1	311.4	328.5	343.9	357.8	372.7	387.0	399.9	411.4	420.1	425.6
-67.5°	245.5	260.4	274.1	286.3	298.7	310.7	321.7	331.5	340.2	346.2	350.2
-70°	205.9	217.3	228.5	239.6	250.7	260.0	268.0	275.3	281.9	284.7	285.9
-72.5°	171.1	181.2	191.1	200.9	210.1	217.3	223.2	228.6	233.4	229.2	221.9
-75°	139.5	148.4	157.6	166.3	174.4	180.0	184.3	188.3	191.9	182.9	170.5
-77.5°	113.7	121.5	128.3	135.1	141.7	145.3	148.1	150.8	153.4	143.3	130.6
-80°	84.3	90.7	96.4	102.1	107.7	109.8	111.0	111.9	112.3	103.7	93.8
-82.5°	57.0	60.3	63.4	66.7	70.1	71.9	73.2	74.3	75.0	68.9	62.0
-85°	31.9	32.9	33.7	34.3	34.9	36.0	37.1	38.0	38.9	36.0	32.8
-87.5°	11.0	11.0	10.9	10.8	10.7	10.7	10.7	10.7	10.6	10.2	9.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-WR-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
62.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.6
60°	1.6	1.0	0.8	0.8	0.8	1.0	1.6	2.0	2.3	3.1	3.3
57.5°	15.7	13.7	12.3	11.0	12.3	13.7	15.7	16.9	16.9	21.9	22.6
55°	104.5	97.3	88.5	78.1	88.5	97.3	104.5	106.4	102.0	93.1	84.0
52.5°	205.0	211.8	215.7	215.3	215.7	211.8	205.0	197.9	191.3	182.0	173.9
50°	269.8	273.5	273.6	270.5	273.6	273.5	269.8	263.6	256.0	245.4	228.3
47.5°	395.2	390.0	381.1	371.5	381.1	390.0	395.2	390.4	379.6	357.2	314.5
45°	689.6	706.2	705.1	683.9	705.1	706.2	689.6	659.4	613.6	571.9	541.6
42.5°	942.4	967.3	984.9	993.8	984.9	967.3	942.4	911.9	857.3	794.0	726.7
40°	1187.0	1211.0	1221.6	1221.0	1221.6	1211.0	1187.0	1146.1	1073.5	986.5	907.1
37.5°	1445.5	1476.6	1491.6	1484.4	1491.6	1476.6	1445.5	1403.4	1338.7	1233.5	1144.1
35°	1800.9	1830.0	1830.5	1815.7	1830.5	1830.0	1800.9	1773.7	1710.9	1578.5	1513.1
32.5°	2586.4	2596.2	2521.4	2494.8	2521.4	2596.2	2586.4	2476.6	2338.3	2205.4	2058.2
30°	3302.5	3371.5	3435.7	3468.2	3435.7	3371.5	3302.5	3214.2	3125.4	2872.1	2641.3
27.5°	3781.6	3864.6	3916.0	3919.3	3916.0	3864.6	3781.6	3674.9	3533.5	3322.7	3072.9
25°	4217.3	4310.2	4366.3	4385.5	4366.3	4310.2	4217.3	4092.4	3927.4	3710.5	3435.6
22.5°	4673.7	4783.2	4855.7	4870.6	4855.7	4783.2	4673.7	4521.2	4341.6	4116.6	3803.7
20°	5203.3	5330.8	5400.3	5397.5	5400.3	5330.8	5203.3	5007.9	4800.8	4532.8	4192.1
17.5°	5900.6	6037.2	6097.3	6071.1	6097.3	6037.2	5900.6	5648.4	5428.8	5107.8	4729.8
15°	7102.5	7388.3	7387.2	7273.1	7387.2	7388.3	7102.5	6813.9	6532.8	6123.0	5677.1
12.5°	8585.1	8798.0	9016.6	9063.6	9016.6	8798.0	8585.1	8153.7	7840.9	7206.4	6687.1
10°	9306.5	9589.3	9776.0	9771.1	9776.0	9589.3	9306.5	8896.3	8409.2	7864.4	7170.5
7.5°	9757.8	10070.3	10296.5	10291.7	10296.5	10070.3	9757.8	9340.9	8805.7	8197.2	7483.0
5°	10106.1	10452.7	10653.1	10667.9	10653.1	10452.7	10106.1	9637.9	9090.3	8438.1	7708.7
2.5°	10287.1	10648.8	10889.7	10858.0	10889.7	10648.8	10287.1	9826.0	9280.2	8608.8	7868.5
0°	10362.7	10720.8	10945.6	11042.6	10945.6	10720.8	10362.7	9903.6	9342.0	8692.9	7946.7
-2.5°	10329.7	10678.1	10926.5	10936.1	10926.5	10678.1	10329.7	9870.2	9303.6	8657.1	7926.1
-5°	10152.7	10520.4	10686.8	10775.2	10686.8	10520.4	10152.7	9697.5	9152.0	8522.8	7825.6
-7.5°	9867.3	10142.8	10354.2	10451.8	10354.2	10142.8	9867.3	9430.2	8909.6	8306.1	7622.1
-10°	9423.0	9708.3	9886.9	9967.5	9886.9	9708.3	9423.0	9047.7	8566.2	8008.2	7366.8
-12.5°	8930.9	9190.1	9360.0	9428.0	9360.0	9190.1	8930.9	8574.5	8142.5	7633.0	7048.4
-15°	8381.8	8617.2	8773.6	8838.8	8773.6	8617.2	8381.8	8042.6	7648.0	7196.2	6657.0
-17.5°	7777.5	7983.7	8139.5	8186.5	8139.5	7983.7	7777.5	7475.7	7114.9	6713.5	6253.7
-20°	7156.0	7342.4	7470.8	7498.7	7470.8	7342.4	7156.0	6904.2	6574.0	6209.3	5807.4



REPORT NUMBER: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6529.8	6683.4	6787.6	6822.7	6787.6	6683.4	6529.8	6323.9	6036.9	5724.9	5349.0
-25°	5917.8	6050.4	6134.3	6165.7	6134.3	6050.4	5917.8	5735.3	5498.2	5227.3	4896.5
-27.5°	5329.3	5452.9	5529.9	5540.2	5529.9	5452.9	5329.3	5168.5	4969.2	4719.8	4422.8
-30°	4750.2	4852.3	4911.7	4936.8	4911.7	4852.3	4750.2	4616.3	4444.1	4224.7	3965.4
-32.5°	4208.9	4298.1	4351.5	4365.8	4351.5	4298.1	4208.9	4093.3	3947.3	3755.7	3511.4
-35°	3698.0	3780.4	3827.7	3823.9	3827.7	3780.4	3698.0	3588.8	3451.5	3284.1	3066.3
-37.5°	3191.6	3267.5	3310.4	3306.5	3310.4	3267.5	3191.6	3090.2	2967.4	2821.4	2627.2
-40°	2689.1	2754.7	2792.5	2801.7	2792.5	2754.7	2689.1	2597.7	2486.6	2350.1	2191.6
-42.5°	2207.8	2268.3	2298.6	2286.6	2298.6	2268.3	2207.8	2129.3	2034.9	1920.6	1799.0
-45°	1771.5	1802.8	1823.4	1836.2	1823.4	1802.8	1771.5	1724.4	1657.1	1571.6	1473.1
-47.5°	1453.1	1479.0	1493.0	1495.5	1493.0	1479.0	1453.1	1416.4	1366.2	1303.7	1231.5
-50°	1206.2	1228.2	1238.0	1235.2	1238.0	1228.2	1206.2	1177.4	1140.4	1092.8	1038.0
-52.5°	1004.5	1017.3	1025.9	1030.1	1025.9	1017.3	1004.5	986.2	960.9	923.4	880.5
-55°	849.1	859.0	864.8	866.8	864.8	859.0	849.1	834.9	816.0	786.2	753.1
-57.5°	723.4	733.0	736.4	735.1	736.4	733.0	723.4	711.3	696.7	674.2	648.7
-60°	614.7	620.1	624.2	626.3	624.2	620.1	614.7	607.0	596.9	579.6	559.0
-62.5°	522.2	527.3	531.5	534.0	531.5	527.3	522.2	515.2	506.4	493.0	477.1
-65°	429.5	431.8	432.4	431.4	432.4	431.8	429.5	425.6	420.1	411.4	399.9
-67.5°	353.2	355.0	356.3	356.5	356.3	355.0	353.2	350.2	346.2	340.2	331.5
-70°	287.1	287.9	287.0	284.7	287.0	287.9	287.1	285.9	284.7	281.9	275.3
-72.5°	214.4	206.6	198.8	190.1	198.8	206.6	214.4	221.9	229.2	233.4	228.6
-75°	157.6	144.3	139.5	134.9	139.5	144.3	157.6	170.5	182.9	191.9	188.3
-77.5°	117.3	103.4	99.7	96.2	99.7	103.4	117.3	130.6	143.3	153.4	150.8
-80°	83.3	72.6	70.1	67.8	70.1	72.6	83.3	93.8	103.7	112.3	111.9
-82.5°	54.7	47.2	45.7	44.2	45.7	47.2	54.7	62.0	68.9	75.0	74.3
-85°	29.4	25.9	25.2	24.5	25.2	25.9	29.4	32.8	36.0	38.9	38.0
-87.5°	9.2	8.7	8.7	8.7	8.7	8.7	9.2	9.7	10.2	10.6	10.7
-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):

	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°	0.0	0.0	0.0	0.2	0.3	0.5	0.7	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.2	0.4	0.7	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.1	0.2	0.5	0.7	0.8	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.7	0.8	0.8	0.8
67.5°	0.0	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.6	0.8	0.8
65°	0.2	0.1	0.2	0.4	0.6	0.8	0.8	0.7	0.7	0.8	0.8
62.5°	0.6	0.8	0.7	0.7	0.7	1.0	1.0	1.1	1.0	1.2	1.8
60°	2.6	1.3	2.8	3.3	2.6	2.6	4.5	4.2	1.6	5.9	7.2
57.5°	17.3	15.9	22.9	22.2	13.3	19.0	22.7	15.2	10.6	16.8	20.3
55°	75.5	73.8	71.9	67.8	62.2	57.9	57.1	57.0	45.2	32.8	37.2
52.5°	165.6	147.4	134.4	128.0	119.0	105.3	94.2	92.1	89.3	73.9	61.0
50°	212.6	209.3	195.3	173.6	171.7	157.9	138.8	125.5	123.9	113.3	93.8
47.5°	305.5	305.5	276.6	250.3	242.7	230.7	206.5	170.8	167.5	158.5	136.8
45°	495.0	460.6	444.5	393.9	338.8	317.6	297.4	254.5	219.4	205.6	190.4
42.5°	670.7	619.6	577.3	526.5	465.8	412.7	374.8	327.7	285.3	255.9	234.1
40°	835.0	752.6	694.1	630.1	564.1	498.3	451.4	392.2	343.9	304.5	281.4
37.5°	1040.6	927.2	862.2	762.7	679.5	611.5	551.4	475.9	398.4	366.3	337.6
35°	1343.0	1208.8	1132.7	1011.7	843.4	783.2	704.9	592.0	493.8	439.0	403.5
32.5°	1885.5	1685.0	1544.9	1383.3	1160.5	1002.0	897.9	772.3	615.1	536.2	477.4
30°	2436.6	2165.4	1969.3	1805.0	1509.0	1275.5	1114.8	937.0	767.6	639.4	559.6
27.5°	2809.9	2543.4	2299.1	2063.2	1823.4	1552.3	1311.6	1083.3	898.1	754.8	651.7
25°	3137.4	2836.0	2560.8	2305.3	2049.0	1785.5	1494.0	1237.5	1020.0	856.1	721.5
22.5°	3461.6	3141.1	2829.4	2532.1	2272.1	1990.1	1682.2	1387.0	1137.0	967.3	805.6
20°	3829.2	3460.1	3100.2	2819.2	2523.2	2201.6	1859.1	1577.7	1332.7	1100.2	897.5
17.5°	4355.3	3862.1	3531.5	3214.8	2830.2	2437.2	2140.0	1844.9	1543.3	1240.6	994.0
15°	5067.9	4558.3	4179.5	3745.7	3217.5	2811.7	2484.9	2126.5	1769.3	1406.8	1108.8
12.5°	5915.1	5296.9	4850.7	4233.0	3638.6	3199.6	2830.0	2429.0	1990.1	1557.0	1215.5
10°	6448.2	5781.8	5146.5	4553.2	4010.8	3558.7	3094.5	2604.8	2116.6	1670.4	1307.9
7.5°	6731.4	6021.2	5365.4	4772.3	4218.9	3695.5	3201.0	2707.9	2218.4	1758.9	1386.0
5°	6919.7	6198.8	5514.1	4880.0	4314.1	3787.3	3280.6	2777.7	2295.0	1824.2	1449.8
2.5°	7058.5	6314.4	5609.4	4942.5	4367.2	3842.7	3331.2	2818.4	2335.0	1859.2	1472.1
0°	7127.2	6351.1	5644.3	4984.2	4391.8	3854.7	3350.6	2833.2	2344.2	1874.1	1481.3
-2.5°	7113.4	6327.9	5614.6	4982.9	4393.4	3843.5	3353.3	2841.2	2346.7	1885.2	1487.8
-5°	7040.2	6288.4	5580.5	4947.9	4367.4	3817.0	3327.0	2823.8	2328.3	1876.3	1481.6
-7.5°	6892.0	6170.0	5483.2	4867.7	4300.5	3762.3	3273.6	2781.2	2291.0	1845.7	1463.1
-10°	6669.2	5980.7	5327.5	4745.1	4192.4	3672.8	3194.4	2709.1	2229.5	1795.5	1431.1
-12.5°	6393.3	5743.3	5120.5	4578.4	4050.7	3554.5	3087.2	2607.5	2143.9	1725.7	1385.4
-15°	6056.1	5472.7	4909.6	4383.8	3884.9	3404.4	2947.9	2481.0	2035.2	1635.8	1326.1
-17.5°	5714.3	5172.7	4644.3	4145.5	3682.9	3226.6	2783.9	2340.4	1913.8	1538.8	1256.7
-20°	5333.7	4833.4	4344.8	3892.2	3461.0	3027.6	2601.0	2174.5	1774.9	1448.1	1195.2



REPORT NUMBER: P626962 (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°	4920.5	4473.8	4031.4	3623.3	3219.7	2804.3	2396.0	1993.4	1614.3	1346.3	1125.5
-25°	4502.3	4096.5	3700.0	3324.4	2946.1	2553.8	2176.5	1809.0	1495.5	1250.2	1050.3
-27.5°	4082.3	3715.0	3349.1	3001.9	2645.7	2300.1	1955.4	1622.2	1366.9	1158.3	980.2
-30°	3667.3	3335.4	3000.5	2669.0	2346.7	2031.1	1722.9	1470.6	1248.6	1060.2	901.7
-32.5°	3239.7	2950.9	2645.8	2335.1	2042.5	1763.8	1529.7	1317.1	1125.2	969.7	831.9
-35°	2823.8	2558.2	2277.5	2010.5	1751.5	1542.8	1344.6	1170.6	1017.2	879.5	762.3
-37.5°	2399.2	2159.5	1927.4	1703.6	1518.6	1342.2	1185.4	1043.4	910.8	801.3	700.3
-40°	1999.1	1790.4	1623.7	1458.9	1312.4	1171.4	1047.6	925.6	823.2	726.8	639.9
-42.5°	1656.6	1510.1	1376.1	1251.8	1131.6	1027.5	923.0	828.0	738.7	658.0	585.8
-45°	1379.7	1275.0	1166.0	1074.8	982.0	898.9	815.5	737.2	662.2	596.3	532.3
-47.5°	1160.4	1082.6	1000.5	927.2	857.7	786.5	721.5	654.1	595.9	537.2	483.8
-50°	981.4	923.8	863.8	804.5	749.9	691.8	637.9	584.9	533.7	485.0	436.4
-52.5°	833.8	792.2	747.8	700.6	657.1	611.9	564.8	522.1	478.0	435.1	392.6
-55°	716.9	683.7	650.0	614.3	578.0	541.0	502.5	464.2	426.2	387.1	355.0
-57.5°	620.9	592.9	566.1	537.8	508.2	476.8	444.0	409.8	378.7	349.1	320.0
-60°	536.7	513.1	491.7	468.9	444.7	417.6	390.8	363.9	336.9	311.3	286.4
-62.5°	460.7	443.9	424.7	405.3	386.1	366.0	342.0	318.3	295.5	273.5	252.9
-65°	387.0	372.7	357.8	343.9	328.5	311.4	291.1	272.6	254.6	236.5	219.5
-67.5°	321.7	310.7	298.7	286.3	274.1	260.4	245.5	230.1	215.7	200.9	188.2
-70°	268.0	260.0	250.7	239.6	228.5	217.3	205.9	193.8	180.7	167.4	157.2
-72.5°	223.2	217.3	210.1	200.9	191.1	181.2	171.1	160.4	148.8	136.5	126.7
-75°	184.3	180.0	174.4	166.3	157.6	148.4	139.5	129.7	118.5	105.9	95.9
-77.5°	148.1	145.3	141.7	135.1	128.3	121.5	113.7	102.3	90.9	80.1	72.8
-80°	111.0	109.8	107.7	102.1	96.4	90.7	84.3	75.6	67.3	59.6	53.6
-82.5°	73.2	71.9	70.1	66.7	63.4	60.3	57.0	51.1	45.4	39.8	35.0
-85°	37.1	36.0	34.9	34.3	33.7	32.9	31.9	28.6	25.4	22.3	19.6
-87.5°	10.7	10.7	10.7	10.8	10.9	11.0	11.0	10.1	9.3	8.5	7.8
-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: P626962 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-727-U-WR-VSR-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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	0.8	0.8
65°	0.8	0.8	0.8	1.2	1.1	0.8	0.8	1.5	1.3	1.1	0.8
62.5°	1.6	0.8	2.1	2.8	1.8	1.4	1.2	3.3	2.1	1.5	1.1
60°	3.6	2.9	5.5	8.4	6.1	2.4	3.5	5.6	5.2	1.9	1.5
57.5°	18.3	8.3	12.3	16.0	15.3	8.6	7.0	9.7	8.8	5.2	2.1
55°	37.9	32.2	25.6	25.5	25.8	20.4	14.5	15.0	13.3	9.4	3.0
52.5°	57.6	55.8	49.7	40.4	37.1	33.6	27.5	21.3	19.7	14.1	7.4
50°	82.1	77.6	72.7	63.3	51.3	46.6	40.3	32.4	26.8	19.6	12.3
47.5°	110.1	102.3	95.0	85.9	72.7	60.3	53.3	44.0	34.7	27.0	17.2
45°	153.8	128.4	118.6	108.0	94.5	79.0	66.9	55.4	44.9	34.4	22.1
42.5°	198.8	163.4	142.7	130.8	116.7	99.3	80.9	68.1	55.0	41.7	27.9
40°	244.0	200.2	168.9	154.0	139.6	119.5	98.9	81.3	64.8	49.4	34.3
37.5°	292.8	241.4	199.0	178.1	163.0	141.2	117.2	94.8	75.0	57.7	40.6
35°	353.6	290.3	231.8	206.0	185.7	163.3	135.2	109.5	87.1	66.0	46.8
32.5°	422.0	344.2	278.8	236.4	208.7	185.8	154.4	126.1	99.6	74.3	52.9
30°	490.0	399.7	323.4	266.5	233.2	206.9	174.9	142.8	112.3	82.6	59.1
27.5°	541.9	447.6	365.2	302.7	260.4	228.0	195.3	159.5	125.2	91.8	65.9
25°	594.9	492.0	405.7	338.1	287.0	249.4	214.9	176.3	138.9	102.3	72.5
22.5°	656.8	534.1	439.9	370.1	315.2	271.2	233.6	193.2	152.8	112.7	79.0
20°	717.3	573.0	471.3	407.4	346.0	295.5	252.0	209.4	166.5	122.9	85.2
17.5°	779.4	627.5	523.5	446.1	377.8	319.5	270.1	224.7	179.7	132.9	91.2
15°	873.0	700.4	576.1	484.3	408.5	343.0	287.9	239.2	192.4	142.6	96.5
12.5°	961.2	769.1	627.2	521.6	438.1	365.9	305.1	252.7	204.6	150.5	101.0
10°	1039.1	833.0	676.1	557.6	466.1	387.8	321.6	263.3	211.8	156.9	104.9
7.5°	1107.0	891.6	722.2	591.8	490.0	402.6	330.0	268.9	217.2	162.5	108.4
5°	1158.8	931.5	747.5	605.5	499.0	409.4	336.1	273.4	221.6	167.3	111.4
2.5°	1176.0	944.8	757.5	613.2	505.5	414.3	340.7	276.8	224.9	171.3	113.9
0°	1183.9	951.2	762.7	617.6	509.5	417.3	343.9	279.2	227.2	174.3	115.9
-2.5°	1192.6	960.0	770.0	624.4	513.8	421.4	347.3	282.9	230.5	177.7	119.2
-5°	1192.0	961.6	772.3	627.7	515.4	423.5	349.2	285.6	232.8	180.2	122.0
-7.5°	1179.4	954.2	769.4	627.1	514.5	423.8	349.8	287.1	234.3	181.8	124.2
-10°	1156.9	938.7	760.7	621.4	511.1	421.9	348.9	287.6	234.9	182.5	125.8
-12.5°	1125.1	916.7	746.7	612.1	505.1	417.9	346.4	286.3	234.5	182.2	126.7
-15°	1084.3	888.3	727.5	599.3	496.3	412.1	342.3	283.5	232.4	180.9	126.9
-17.5°	1035.0	853.9	702.9	582.9	484.7	404.3	336.6	279.6	229.7	178.6	126.6
-20°	989.2	817.6	674.5	563.0	470.5	394.6	329.5	274.7	226.2	175.7	126.0

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	938.1	780.0	649.4	543.9	455.4	383.0	320.7	268.7	222.1	172.2	124.9
-25°	879.5	737.3	620.7	522.7	440.8	371.9	311.8	261.7	217.3	168.2	123.2
-27.5°	824.5	693.2	588.5	498.2	423.9	359.1	302.9	255.3	211.9	163.8	121.1
-30°	768.3	654.9	557.6	472.5	405.2	344.9	292.9	248.3	205.7	160.0	118.4
-32.5°	711.2	613.1	524.6	450.3	387.2	329.7	282.0	240.9	199.3	156.2	116.2
-35°	662.2	572.0	489.1	426.4	368.7	316.6	271.1	233.0	192.6	151.8	113.7
-37.5°	610.0	530.3	461.5	402.7	348.9	302.4	260.7	223.6	185.8	147.0	110.8
-40°	563.2	491.4	431.7	379.8	331.0	287.0	249.1	213.7	179.5	141.7	107.4
-42.5°	515.6	456.1	402.8	355.1	313.0	272.9	236.4	203.1	171.2	136.8	103.5
-45°	473.9	419.9	372.8	332.6	294.2	257.5	224.0	192.2	162.4	131.8	99.4
-47.5°	430.9	384.9	344.8	309.2	275.7	241.6	211.0	182.0	153.2	126.1	95.2
-50°	390.6	351.8	318.4	286.6	255.3	226.6	197.9	171.5	144.9	118.7	90.5
-52.5°	354.9	322.6	292.8	263.8	237.0	211.1	186.3	160.9	136.2	111.3	85.3
-55°	323.3	294.5	267.8	242.6	218.6	197.2	174.3	150.8	127.1	103.7	79.8
-57.5°	293.1	267.2	244.4	222.1	201.6	182.9	162.7	140.5	118.0	95.7	74.8
-60°	262.7	241.8	221.6	202.8	185.1	168.2	151.0	129.8	108.5	87.5	68.8
-62.5°	233.6	216.0	200.4	183.9	167.7	152.9	138.9	118.7	98.6	79.4	62.2
-65°	204.9	191.5	178.9	163.4	149.4	136.9	125.3	107.2	88.2	70.7	55.3
-67.5°	176.6	165.5	154.3	141.7	131.3	121.1	110.8	94.4	77.2	61.6	48.3
-70°	148.0	138.6	130.6	122.6	113.9	105.0	94.8	80.8	65.7	53.0	41.1
-72.5°	120.0	114.3	109.5	103.8	96.5	88.0	78.4	67.0	55.2	44.1	33.7
-75°	92.4	91.2	89.8	86.2	79.1	71.2	63.4	54.7	44.6	35.0	27.4
-77.5°	72.8	72.3	71.4	68.8	62.6	56.1	49.4	42.0	34.4	27.8	21.6
-80°	53.9	53.9	53.4	51.8	46.5	41.1	36.4	31.7	26.1	20.7	15.6
-82.5°	35.5	36.0	36.2	35.8	32.2	28.7	25.3	21.9	17.6	13.5	10.4
-85°	20.2	20.6	20.7	20.5	18.3	16.2	14.8	13.3	11.0	8.9	7.0
-87.5°	8.4	8.9	9.3	9.5	8.8	8.1	7.4	6.7	5.5	4.5	3.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
77.5°	0.8	0.8	0.7	0.5	0.3	0.2	0.0
75°	0.8	0.8	0.8	0.6	0.4	0.2	0.0
72.5°	0.8	0.8	0.8	0.7	0.5	0.2	0.0
70°	0.8	0.8	0.8	0.8	0.5	0.3	0.0
67.5°	0.9	0.8	0.8	0.8	0.6	0.3	0.0
65°	1.0	0.9	0.8	0.8	0.7	0.3	0.0
62.5°	1.1	1.1	0.8	0.8	0.7	0.4	0.0
60°	1.3	1.3	0.8	0.8	0.8	0.4	0.0
57.5°	2.2	1.5	1.0	0.8	0.8	0.4	0.0
55°	3.3	1.8	1.3	0.8	0.8	0.5	0.0
52.5°	4.6	2.2	1.5	0.8	0.8	0.5	0.0
50°	6.1	3.6	1.8	0.8	0.9	0.5	0.0
47.5°	8.1	5.0	2.1	0.9	0.9	0.5	0.0
45°	12.3	6.6	2.4	1.1	0.9	0.6	0.0
42.5°	16.6	8.2	2.7	1.3	0.9	0.6	0.0
40°	20.8	10.0	3.5	1.6	1.0	0.6	0.0
37.5°	25.0	11.8	4.8	1.9	1.0	0.6	0.0
35°	29.1	14.6	6.2	2.3	1.0	0.7	0.0
32.5°	33.5	17.9	7.6	2.7	1.1	0.7	0.0
30°	38.4	21.1	9.0	3.1	1.1	0.7	0.0
27.5°	43.2	24.2	10.6	3.6	1.1	0.7	0.0
25°	47.8	27.2	12.1	4.0	1.2	0.7	0.0
22.5°	52.3	30.1	13.7	4.5	1.2	0.7	0.0
20°	56.5	32.9	15.2	5.0	1.3	0.8	0.0
17.5°	60.4	35.6	16.6	5.5	1.3	0.8	0.0
15°	64.0	38.1	18.0	6.0	1.4	0.8	0.0
12.5°	67.2	40.4	19.3	6.5	1.4	0.8	0.0
10°	70.2	42.5	20.5	7.0	1.4	0.8	0.0
7.5°	72.9	44.4	21.7	7.5	1.5	0.8	0.0
5°	75.2	46.2	22.7	7.9	1.5	0.8	0.0
2.5°	77.2	47.6	23.7	8.3	1.6	0.8	0.0
0°	78.9	48.9	24.5	8.7	1.6	0.8	0.0
-2.5°	81.0	50.4	25.6	9.3	1.8	0.9	0.0
-5°	82.8	51.7	26.6	9.8	2.1	0.9	0.0
-7.5°	84.2	52.8	27.4	10.2	2.3	0.9	0.0
-10°	85.2	53.6	28.1	10.6	2.5	1.0	0.0
-12.5°	85.8	54.1	28.6	11.0	2.7	1.0	0.0
-15°	86.0	54.3	29.0	11.2	2.9	1.1	0.0
-17.5°	85.7	54.3	29.1	11.5	3.1	1.1	0.0
-20°	85.5	54.0	29.1	11.6	3.3	1.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	85.5	53.4	28.9	11.7	3.4	1.2	0.0
-25°	85.2	53.2	28.4	11.7	3.5	1.2	0.0
-27.5°	84.3	53.0	27.8	11.6	3.6	1.2	0.0
-30°	83.1	52.4	27.0	11.4	3.7	1.2	0.0
-32.5°	81.4	51.5	26.6	11.2	3.8	1.2	0.0
-35°	79.9	50.3	26.1	10.8	3.8	1.2	0.0
-37.5°	78.0	49.0	25.3	10.4	3.8	1.2	0.0
-40°	75.8	47.8	24.3	9.9	3.8	1.2	0.0
-42.5°	73.1	46.3	23.6	9.5	3.8	1.2	0.0
-45°	70.0	44.5	23.1	9.1	3.7	1.2	0.0
-47.5°	66.5	42.4	22.4	8.6	3.7	1.1	0.0
-50°	63.4	40.0	21.5	8.5	3.5	1.1	0.0
-52.5°	60.0	37.3	20.3	8.3	3.4	1.1	0.0
-55°	56.3	35.1	18.9	8.1	3.3	1.0	0.0
-57.5°	52.3	32.7	17.2	7.8	3.1	1.0	0.0
-60°	47.9	30.0	15.5	7.4	2.9	0.9	0.0
-62.5°	43.7	27.0	14.4	6.9	2.7	0.9	0.0
-65°	39.1	23.7	13.2	6.3	2.5	0.8	0.0
-67.5°	34.1	20.7	11.8	5.6	2.3	0.7	0.0
-70°	28.8	18.2	10.3	4.8	2.1	0.7	0.0
-72.5°	24.5	15.4	8.6	4.3	1.9	0.6	0.0
-75°	20.1	12.5	6.9	3.7	1.6	0.5	0.0
-77.5°	15.5	9.5	5.7	3.1	1.4	0.4	0.0
-80°	10.7	7.2	4.6	2.5	1.1	0.3	0.0
-82.5°	7.9	5.5	3.5	1.9	0.8	0.3	0.0
-85°	5.3	3.7	2.3	1.3	0.6	0.2	0.0
-87.5°	2.7	1.8	1.2	0.6	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)