

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-722-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1E-722-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N11
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

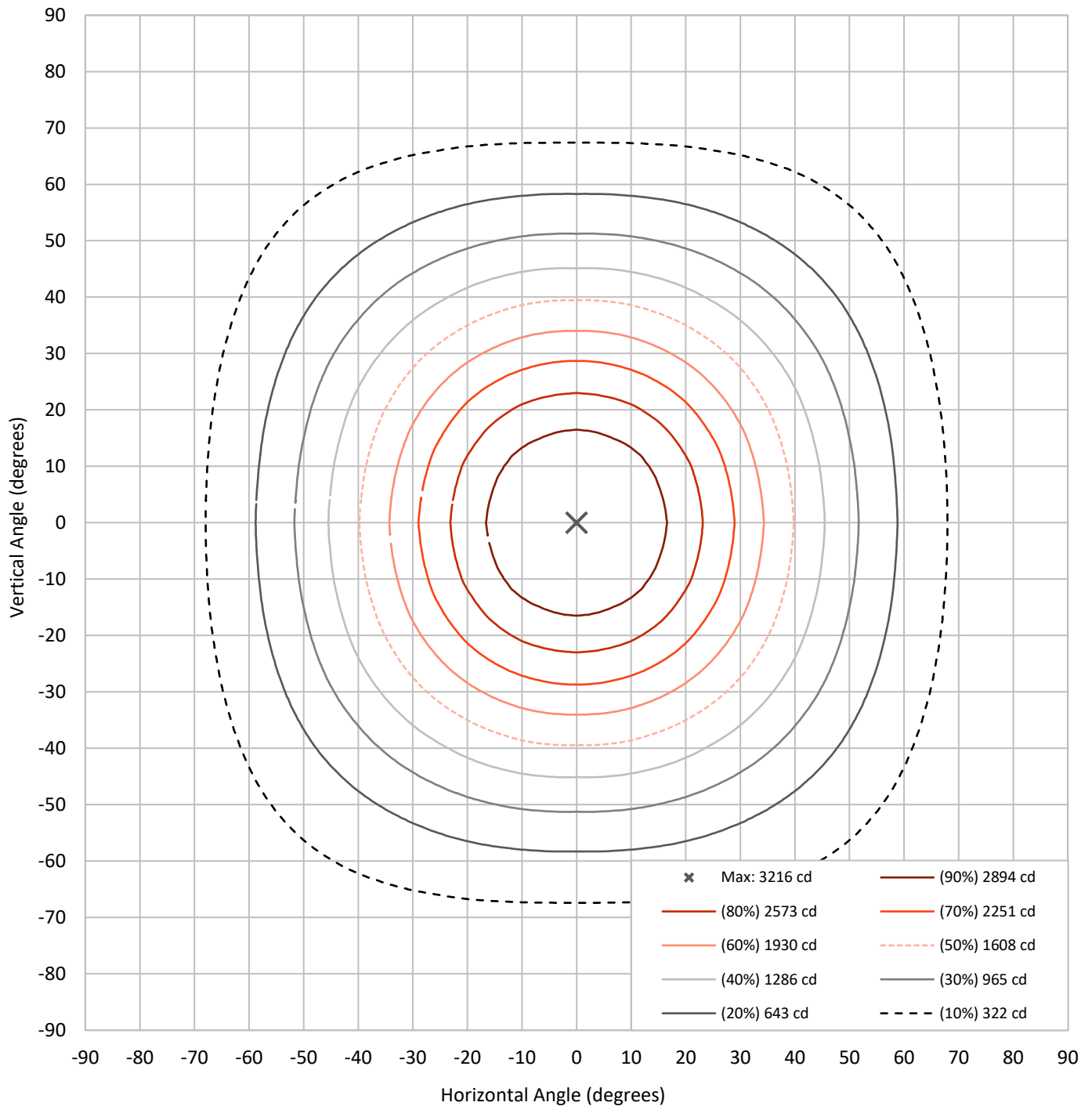
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5812.6 lumens	Max Intensity:	3216 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	87.8 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	3409.1 lumens	Field Lumens:	5541.3 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	66.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





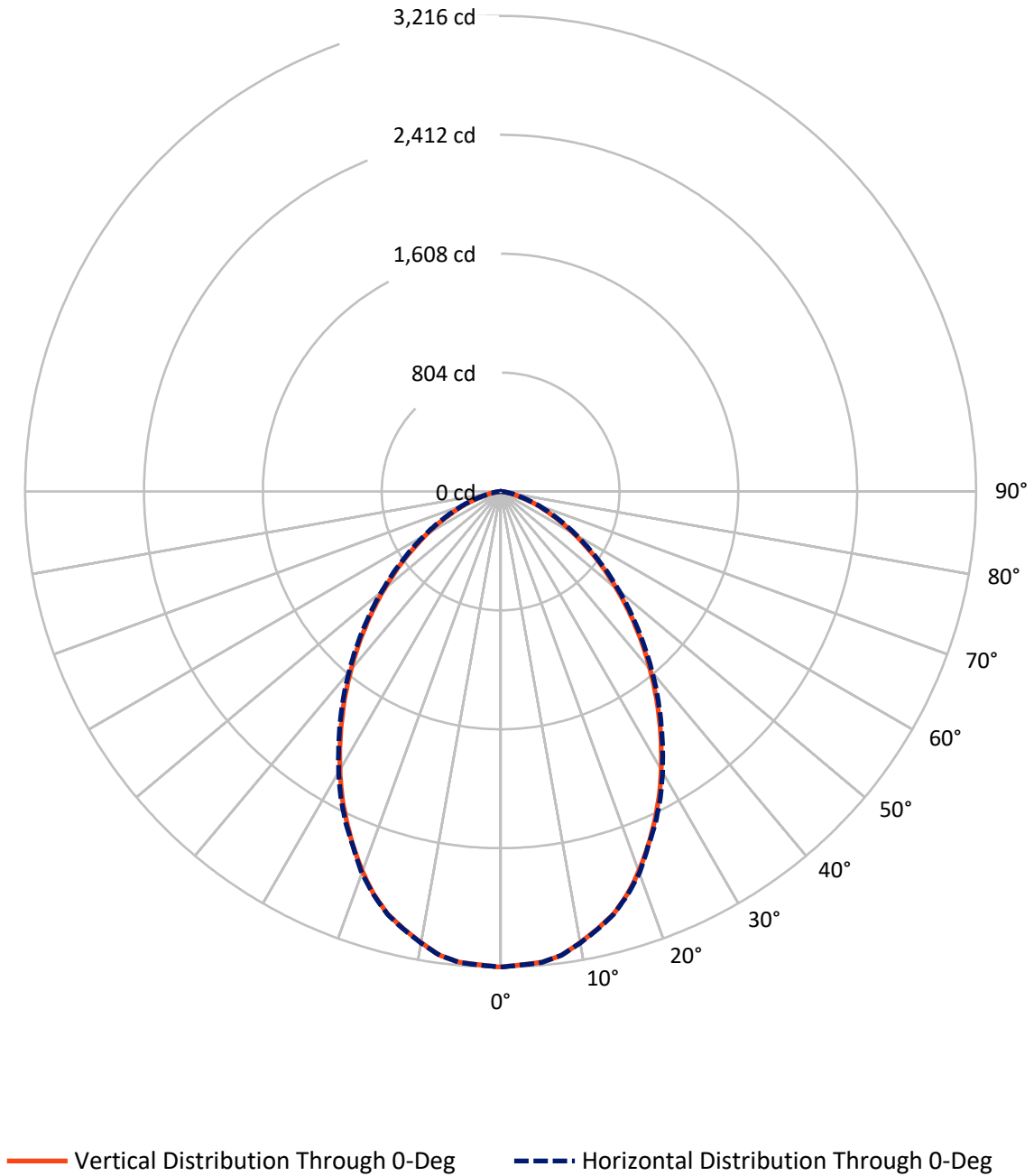
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Lumen Table

90																			
80	0.2	2.4	6.5	11.0	10.4	11.0	6.5	2.4	0.2										
70																			
60	1.1	1.5	3.0	5.1	7.5	9.7	11.3	12.1	12.1	11.3	9.7	7.5	5.1	3.0	1.5				1.1
50																			
40	1.9	2.2	4.9	8.7	13.2	17.9	21.8	23.9	23.9	21.8	17.9	13.2	8.7	4.9	2.2				1.9
30																			
20	2.4	3.0	7.1	13.0	20.7	28.7	35.3	39.0	39.0	35.3	28.7	20.7	13.0	7.1	3.0				2.4
10																			
0	2.7	3.8	9.4	18.0	28.9	40.6	50.5	56.2	56.2	50.5	40.6	28.9	18.0	9.4	3.8				2.7
-10																			
-20	2.4	4.5	11.5	22.6	36.8	52.3	65.8	73.5	73.5	65.8	52.3	36.8	22.6	11.5	4.5				2.4
-30																			
-40	1.9	5.1	13.2	26.0	43.0	61.8	78.4	87.8	87.8	78.4	61.8	43.0	26.0	13.2	5.1				1.9
-50																			
-60	1.1	5.4	14.1	28.0	46.5	67.1	85.2	95.1	95.1	85.2	67.1	46.5	28.0	14.1	5.4				1.1
-70																			
-80	0.2	5.4	14.1	28.0	46.5	67.1	85.2	95.1	95.1	85.2	67.1	46.5	28.0	14.1	5.4				0.2
-90																			

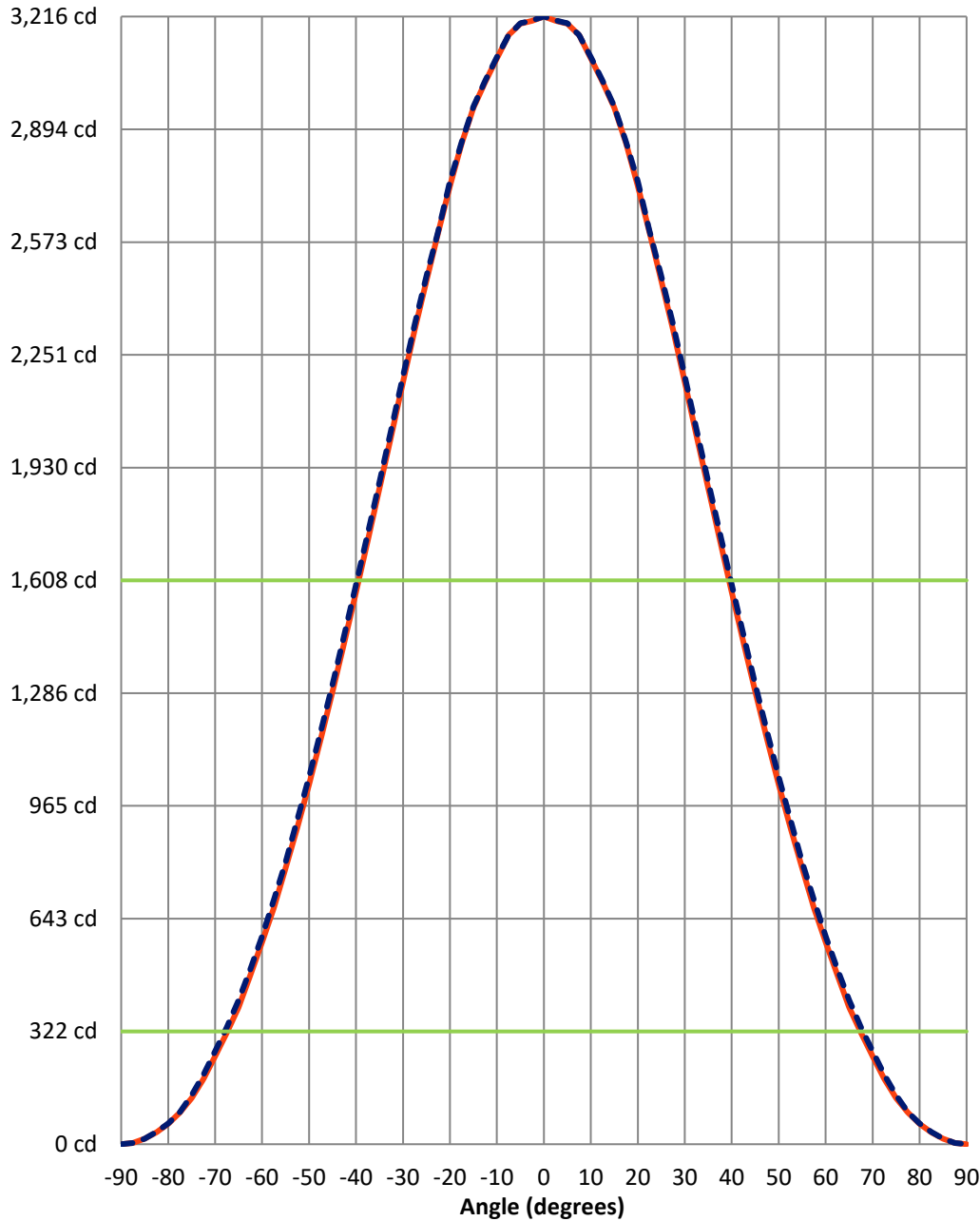
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 3409.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 5541.3
 Efficiency: 95.3%

Spill:
 Lumens: 271.3
 Efficiency: 4.7%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
85°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
82.5°	0.0	0.5	1.2	1.9	2.5	3.1	3.7	4.3	5.4	8.5	11.5
80°	0.0	0.7	1.7	2.5	3.3	4.1	5.6	10.0	14.2	18.2	22.1
77.5°	0.0	0.9	2.1	3.1	4.1	6.5	12.2	17.7	22.9	27.9	34.1
75°	0.0	1.1	2.5	3.7	5.4	11.2	18.7	25.4	31.9	40.9	50.3
72.5°	0.0	1.3	2.9	4.3	8.6	15.9	24.9	33.7	43.9	54.8	66.3
70°	0.0	1.4	3.2	5.2	11.7	20.3	31.2	43.7	55.7	68.5	83.4
67.5°	0.0	1.6	3.6	7.1	14.7	24.6	38.7	53.4	67.2	83.3	100.4
65°	0.0	1.8	4.0	9.0	17.6	29.4	45.9	62.8	79.6	97.7	116.4
62.5°	0.0	1.9	4.3	10.7	20.3	34.6	52.7	72.7	91.5	111.5	130.7
60°	0.0	2.1	4.6	12.4	22.8	39.6	59.2	82.5	103.1	124.4	144.7
57.5°	0.0	2.2	5.6	14.0	26.2	44.2	65.9	91.6	114.4	137.0	158.0
55°	0.0	2.3	6.5	15.4	29.4	48.6	72.4	99.5	125.6	149.2	170.8
52.5°	0.0	2.5	7.4	16.8	32.5	52.7	78.3	107.7	136.5	160.5	183.3
50°	0.0	2.6	8.2	18.0	35.2	57.0	83.7	115.4	146.9	171.4	197.6
47.5°	0.0	2.7	9.0	19.3	37.7	61.0	88.8	122.6	156.3	182.0	211.6
45°	0.0	2.8	9.8	21.0	40.0	64.6	94.5	129.3	163.6	193.9	225.0
42.5°	0.0	3.0	10.5	22.5	42.0	67.8	99.7	135.4	170.6	205.4	240.7
40°	0.0	3.1	11.2	24.1	44.0	70.6	104.4	141.2	177.9	216.1	256.1
37.5°	0.0	3.1	11.9	25.6	46.0	73.0	108.6	146.8	186.0	226.3	270.5
35°	0.0	3.2	12.4	27.0	47.8	75.7	112.3	152.0	194.0	238.0	285.0
32.5°	0.0	3.3	13.0	28.3	49.2	78.5	115.7	156.8	201.7	249.3	300.4
30°	0.0	3.4	13.5	29.6	50.4	80.8	119.3	161.7	209.2	260.0	314.8
27.5°	0.0	3.4	13.9	30.6	52.1	82.8	122.5	167.3	216.8	270.2	328.1
25°	0.0	3.5	14.3	31.6	53.7	84.3	125.4	172.6	224.8	280.6	340.4
22.5°	0.0	3.5	14.7	32.5	55.1	85.9	127.8	177.4	232.2	290.5	353.6
20°	0.0	3.6	15.0	33.2	56.3	88.0	129.8	181.7	238.9	299.3	365.4
17.5°	0.0	3.6	15.3	33.9	57.4	89.7	132.3	185.5	244.8	307.0	375.7
15°	0.0	3.6	15.5	34.4	58.2	91.1	134.9	189.1	250.0	313.6	384.7
12.5°	0.0	3.6	15.6	34.8	58.8	92.1	137.1	192.5	254.7	319.1	392.2
10°	0.0	3.6	15.7	35.0	59.3	92.7	138.7	195.1	258.7	324.3	398.5
7.5°	0.0	3.6	15.8	35.2	59.5	92.9	139.8	197.0	261.8	328.4	404.0
5°	0.0	3.6	15.8	35.2	59.6	92.8	140.3	198.0	264.0	331.5	407.9
2.5°	0.0	3.6	15.8	35.2	59.4	92.4	140.3	198.2	265.1	333.3	410.2
0°	0.0	3.6	15.7	35.0	59.1	91.6	139.8	197.7	265.2	333.9	411.0
-2.5°	0.0	3.6	15.8	35.2	59.4	92.4	140.3	198.2	265.1	333.3	410.2
-5°	0.0	3.6	15.8	35.2	59.6	92.8	140.3	198.0	264.0	331.5	407.9
-7.5°	0.0	3.6	15.8	35.2	59.5	92.9	139.8	197.0	261.8	328.4	404.0
-10°	0.0	3.6	15.7	35.0	59.3	92.7	138.7	195.1	258.7	324.3	398.5
-12.5°	0.0	3.6	15.6	34.8	58.8	92.1	137.1	192.5	254.7	319.1	392.2
-15°	0.0	3.6	15.5	34.4	58.2	91.1	134.9	189.1	250.0	313.6	384.7
-17.5°	0.0	3.6	15.3	33.9	57.4	89.7	132.3	185.5	244.8	307.0	375.7
-20°	0.0	3.6	15.0	33.2	56.3	88.0	129.8	181.7	238.9	299.3	365.4

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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	3.5	14.7	32.5	55.1	85.9	127.8	177.4	232.2	290.5	353.6
-25°	0.0	3.5	14.3	31.6	53.7	84.3	125.4	172.6	224.8	280.6	340.4
-27.5°	0.0	3.4	13.9	30.6	52.1	82.8	122.5	167.3	216.8	270.2	328.1
-30°	0.0	3.4	13.5	29.6	50.4	80.8	119.3	161.7	209.2	260.0	314.8
-32.5°	0.0	3.3	13.0	28.3	49.2	78.5	115.7	156.8	201.7	249.3	300.4
-35°	0.0	3.2	12.4	27.0	47.8	75.7	112.3	152.0	194.0	238.0	285.0
-37.5°	0.0	3.1	11.9	25.6	46.0	73.0	108.6	146.8	186.0	226.3	270.5
-40°	0.0	3.1	11.2	24.1	44.0	70.6	104.4	141.2	177.9	216.1	256.1
-42.5°	0.0	3.0	10.5	22.5	42.0	67.8	99.7	135.4	170.6	205.4	240.7
-45°	0.0	2.8	9.8	21.0	40.0	64.6	94.5	129.3	163.6	193.9	225.0
-47.5°	0.0	2.7	9.0	19.3	37.7	61.0	88.8	122.6	156.3	182.0	211.6
-50°	0.0	2.6	8.2	18.0	35.2	57.0	83.7	115.4	146.9	171.4	197.6
-52.5°	0.0	2.5	7.4	16.8	32.5	52.7	78.3	107.7	136.5	160.5	183.3
-55°	0.0	2.3	6.5	15.4	29.4	48.6	72.4	99.5	125.6	149.2	170.8
-57.5°	0.0	2.2	5.6	14.0	26.2	44.2	65.9	91.6	114.4	137.0	158.0
-60°	0.0	2.1	4.6	12.4	22.8	39.6	59.2	82.5	103.1	124.4	144.7
-62.5°	0.0	1.9	4.3	10.7	20.3	34.6	52.7	72.7	91.5	111.5	130.7
-65°	0.0	1.8	4.0	9.0	17.6	29.4	45.9	62.8	79.6	97.7	116.4
-67.5°	0.0	1.6	3.6	7.1	14.7	24.6	38.7	53.4	67.2	83.3	100.4
-70°	0.0	1.4	3.2	5.2	11.7	20.3	31.2	43.7	55.7	68.5	83.4
-72.5°	0.0	1.3	2.9	4.3	8.6	15.9	24.9	33.7	43.9	54.8	66.3
-75°	0.0	1.1	2.5	3.7	5.4	11.2	18.7	25.4	31.9	40.9	50.3
-77.5°	0.0	0.9	2.1	3.1	4.1	6.5	12.2	17.7	22.9	27.9	34.1
-80°	0.0	0.7	1.7	2.5	3.3	4.1	5.6	10.0	14.2	18.2	22.1
-82.5°	0.0	0.5	1.2	1.9	2.5	3.1	3.7	4.3	5.4	8.5	11.5
-85°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-87.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-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°	2.4	2.7	3.1	3.4	3.5	3.5	3.4	3.4	3.5	3.7	3.8
85°	4.7	5.4	7.5	9.5	10.5	11.1	11.4	11.3	13.2	15.3	17.6
82.5°	14.6	17.7	20.5	23.3	24.0	24.0	23.8	23.9	28.2	33.2	38.3
80°	26.1	29.9	35.0	39.5	41.5	42.5	43.0	42.9	48.4	55.7	63.4
77.5°	41.4	47.9	53.5	58.3	60.9	63.1	65.0	66.4	73.5	82.7	91.8
75°	58.9	66.0	73.0	79.1	83.4	86.6	89.6	94.4	103.6	114.4	123.7
72.5°	77.3	86.3	94.2	100.8	106.8	113.2	120.4	128.2	138.0	148.7	158.5
70°	96.9	106.9	115.1	123.1	131.3	140.9	151.6	162.2	173.1	184.9	196.4
67.5°	116.2	125.8	135.4	145.6	157.8	170.6	183.3	197.9	212.8	226.0	237.8
65°	132.9	144.2	156.2	169.9	185.1	201.4	218.4	235.9	254.7	270.6	285.0
62.5°	148.9	162.4	177.1	194.2	213.5	232.8	254.4	276.3	297.5	316.2	333.5
60°	163.6	179.9	198.5	219.5	242.1	267.7	292.3	317.1	340.5	361.6	383.4
57.5°	177.9	198.4	220.8	246.0	274.5	303.3	332.2	358.9	385.4	411.1	435.8
55°	193.0	217.8	244.4	275.3	307.4	341.5	372.6	402.5	431.6	462.9	492.6
52.5°	209.6	237.4	270.6	305.2	342.4	378.9	413.1	447.1	482.3	517.7	556.4
50°	225.7	260.3	296.7	336.9	377.1	416.2	455.5	494.7	536.8	580.2	624.0
47.5°	244.5	282.3	325.3	368.4	412.3	455.8	499.6	546.9	594.8	645.1	693.6
45°	263.5	306.0	352.3	401.1	448.5	496.8	547.9	600.2	656.4	711.7	770.0
42.5°	281.5	329.5	380.6	433.2	486.0	540.0	596.2	657.3	718.6	782.4	846.5
40°	301.5	351.9	408.2	466.3	523.5	583.3	647.5	713.7	783.1	853.3	922.9
37.5°	320.7	376.1	435.3	497.8	562.0	627.7	697.4	772.6	847.9	923.4	1000.1
35°	338.6	399.0	463.2	529.5	597.6	672.3	750.3	830.5	912.1	993.7	1076.3
32.5°	357.1	420.7	489.8	560.8	635.9	715.9	801.3	888.3	975.2	1062.4	1152.8
30°	375.7	443.4	515.6	590.4	672.5	759.7	851.5	943.6	1035.5	1131.5	1227.8
27.5°	393.2	464.9	541.0	620.9	707.5	800.3	897.8	996.4	1095.5	1197.6	1300.3
25°	409.3	485.3	564.5	650.3	742.2	839.3	940.9	1043.8	1152.5	1261.7	1368.9
22.5°	425.0	504.0	586.2	677.4	773.5	875.6	981.3	1090.0	1203.6	1320.8	1431.8
20°	440.2	521.8	607.4	702.0	801.6	908.2	1018.1	1131.9	1251.0	1371.4	1490.8
17.5°	453.6	537.7	627.1	724.9	828.4	938.0	1051.2	1168.7	1293.1	1418.0	1544.5
15°	465.3	551.4	644.2	745.0	852.1	965.1	1081.9	1202.8	1330.4	1460.4	1591.9
12.5°	475.2	563.1	658.6	762.0	872.2	988.4	1108.3	1233.4	1364.5	1498.1	1633.5
10°	483.2	572.6	670.3	775.9	888.6	1007.6	1130.1	1258.7	1393.7	1530.2	1668.4
7.5°	490.0	580.6	679.5	786.7	901.3	1022.7	1147.0	1278.4	1417.0	1555.3	1696.5
5°	495.0	587.0	688.0	795.7	912.3	1034.4	1159.8	1292.5	1434.0	1573.1	1716.9
2.5°	498.0	591.2	693.7	801.5	920.9	1043.2	1171.2	1304.9	1446.5	1587.2	1732.2
0°	499.0	593.1	696.7	804.0	925.7	1047.5	1177.7	1311.5	1452.5	1595.9	1741.8
-2.5°	498.0	591.2	693.7	801.5	920.9	1043.2	1171.2	1304.9	1446.5	1587.2	1732.2
-5°	495.0	587.0	688.0	795.7	912.3	1034.4	1159.8	1292.5	1434.0	1573.1	1716.9
-7.5°	490.0	580.6	679.5	786.7	901.3	1022.7	1147.0	1278.4	1417.0	1555.3	1696.5
-10°	483.2	572.6	670.3	775.9	888.6	1007.6	1130.1	1258.7	1393.7	1530.2	1668.4
-12.5°	475.2	563.1	658.6	762.0	872.2	988.4	1108.3	1233.4	1364.5	1498.1	1633.5
-15°	465.3	551.4	644.2	745.0	852.1	965.1	1081.9	1202.8	1330.4	1460.4	1591.9
-17.5°	453.6	537.7	627.1	724.9	828.4	938.0	1051.2	1168.7	1293.1	1418.0	1544.5
-20°	440.2	521.8	607.4	702.0	801.6	908.2	1018.1	1131.9	1251.0	1371.4	1490.8

Classified

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

Scaled Data Report



REPORT NUMBER: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	425.0	504.0	586.2	677.4	773.5	875.6	981.3	1090.0	1203.6	1320.8	1431.8
-25°	409.3	485.3	564.5	650.3	742.2	839.3	940.9	1043.8	1152.5	1261.7	1368.9
-27.5°	393.2	464.9	541.0	620.9	707.5	800.3	897.8	996.4	1095.5	1197.6	1300.3
-30°	375.7	443.4	515.6	590.4	672.5	759.7	851.5	943.6	1035.5	1131.5	1227.8
-32.5°	357.1	420.7	489.8	560.8	635.9	715.9	801.3	888.3	975.2	1062.4	1152.8
-35°	338.6	399.0	463.2	529.5	597.6	672.3	750.3	830.5	912.1	993.7	1076.3
-37.5°	320.7	376.1	435.3	497.8	562.0	627.7	697.4	772.6	847.9	923.4	1000.1
-40°	301.5	351.9	408.2	466.3	523.5	583.3	647.5	713.7	783.1	853.3	922.9
-42.5°	281.5	329.5	380.6	433.2	486.0	540.0	596.2	657.3	718.6	782.4	846.5
-45°	263.5	306.0	352.3	401.1	448.5	496.8	547.9	600.2	656.4	711.7	770.0
-47.5°	244.5	282.3	325.3	368.4	412.3	455.8	499.6	546.9	594.8	645.1	693.6
-50°	225.7	260.3	296.7	336.9	377.1	416.2	455.5	494.7	536.8	580.2	624.0
-52.5°	209.6	237.4	270.6	305.2	342.4	378.9	413.1	447.1	482.3	517.7	556.4
-55°	193.0	217.8	244.4	275.3	307.4	341.5	372.6	402.5	431.6	462.9	492.6
-57.5°	177.9	198.4	220.8	246.0	274.5	303.3	332.2	358.9	385.4	411.1	435.8
-60°	163.6	179.9	198.5	219.5	242.1	267.7	292.3	317.1	340.5	361.6	383.4
-62.5°	148.9	162.4	177.1	194.2	213.5	232.8	254.4	276.3	297.5	316.2	333.5
-65°	132.9	144.2	156.2	169.9	185.1	201.4	218.4	235.9	254.7	270.6	285.0
-67.5°	116.2	125.8	135.4	145.6	157.8	170.6	183.3	197.9	212.8	226.0	237.8
-70°	96.9	106.9	115.1	123.1	131.3	140.9	151.6	162.2	173.1	184.9	196.4
-72.5°	77.3	86.3	94.2	100.8	106.8	113.2	120.4	128.2	138.0	148.7	158.5
-75°	58.9	66.0	73.0	79.1	83.4	86.6	89.6	94.4	103.6	114.4	123.7
-77.5°	41.4	47.9	53.5	58.3	60.9	63.1	65.0	66.4	73.5	82.7	91.8
-80°	26.1	29.9	35.0	39.5	41.5	42.5	43.0	42.9	48.4	55.7	63.4
-82.5°	14.6	17.7	20.5	23.3	24.0	24.0	23.8	23.9	28.2	33.2	38.3
-85°	4.7	5.4	7.5	9.5	10.5	11.1	11.4	11.3	13.2	15.3	17.6
-87.5°	2.4	2.7	3.1	3.4	3.5	3.5	3.4	3.4	3.5	3.7	3.8
-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: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	4.0	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.4	4.1
85°	20.1	21.5	22.9	24.1	25.3	26.5	27.6	28.6	29.5	26.9	24.1
82.5°	43.5	47.0	50.3	53.6	56.8	57.7	58.0	57.8	57.4	52.9	47.9
80°	71.0	76.9	82.5	88.0	93.4	94.1	93.4	92.3	90.7	84.8	78.1
77.5°	101.0	108.4	114.9	120.9	126.3	127.3	127.2	126.9	126.5	120.5	113.2
75°	131.7	139.0	146.0	152.0	157.0	159.3	160.4	161.2	161.7	157.3	151.7
72.5°	167.4	175.0	181.2	187.0	191.9	195.4	198.0	199.9	201.2	199.9	197.6
70°	206.1	214.2	221.1	227.6	234.3	239.6	243.6	246.6	248.4	249.6	250.5
67.5°	249.7	260.6	270.1	278.2	286.3	293.8	300.0	305.1	309.0	312.3	314.9
65°	298.8	312.8	325.1	336.4	346.8	357.8	366.8	374.3	380.4	385.4	389.4
62.5°	350.4	367.5	383.4	398.8	413.9	428.7	440.1	450.5	459.7	467.7	474.0
60°	404.1	423.5	444.8	465.1	483.8	500.9	517.8	532.5	545.1	555.5	564.0
57.5°	461.8	486.9	511.8	537.0	560.8	583.1	604.0	622.5	638.1	650.8	661.6
55°	524.1	555.5	584.3	616.1	646.9	674.9	699.6	721.3	740.0	755.7	769.0
52.5°	592.5	630.7	668.2	704.4	739.4	771.8	801.4	826.6	849.0	868.3	883.6
50°	667.5	711.2	754.6	794.9	835.0	872.5	906.3	935.6	961.7	984.3	1002.1
47.5°	745.9	795.6	844.1	890.2	934.6	976.3	1012.9	1046.3	1078.8	1105.4	1126.4
45°	827.2	883.0	936.5	989.3	1038.2	1084.9	1130.1	1171.6	1205.0	1234.3	1258.9
42.5°	909.6	971.8	1031.8	1089.3	1143.1	1197.0	1247.9	1293.4	1331.5	1364.7	1392.7
40°	993.1	1061.2	1127.3	1190.0	1251.4	1310.2	1365.3	1413.2	1456.2	1495.7	1528.6
37.5°	1076.1	1151.1	1224.3	1294.5	1362.2	1425.9	1485.3	1539.5	1588.0	1633.0	1669.5
35°	1159.5	1241.8	1321.9	1399.2	1473.1	1543.4	1608.4	1670.1	1727.2	1772.8	1810.2
32.5°	1242.6	1331.0	1418.2	1503.3	1584.2	1660.0	1730.5	1798.6	1857.3	1907.4	1950.4
30°	1323.0	1418.8	1513.7	1605.9	1693.4	1775.5	1853.5	1925.5	1988.8	2043.6	2091.8
27.5°	1401.9	1504.7	1606.6	1705.2	1799.7	1888.9	1974.1	2052.2	2121.2	2180.8	2231.6
25°	1476.4	1587.0	1695.6	1800.1	1901.0	1999.5	2091.5	2176.7	2250.3	2315.7	2368.0
22.5°	1547.6	1665.6	1779.6	1889.6	1997.6	2103.7	2204.4	2293.4	2371.4	2439.8	2497.7
20°	1614.0	1740.4	1857.1	1973.4	2087.2	2200.5	2308.6	2402.4	2485.1	2557.8	2621.6
17.5°	1676.0	1805.6	1928.5	2052.4	2172.3	2291.1	2400.9	2501.6	2590.7	2668.0	2734.7
15°	1728.5	1859.4	1993.6	2125.9	2252.3	2372.6	2482.4	2587.5	2686.5	2770.0	2837.7
12.5°	1771.1	1907.2	2047.2	2187.6	2321.3	2441.5	2556.4	2662.9	2766.9	2860.8	2923.0
10°	1807.3	1947.5	2092.1	2235.2	2370.7	2497.8	2622.7	2735.4	2837.6	2921.7	2991.2
7.5°	1838.6	1983.1	2129.9	2273.2	2408.2	2539.6	2668.2	2787.9	2891.1	2970.2	3032.3
5°	1861.7	2009.6	2159.3	2303.9	2440.8	2572.6	2701.8	2820.0	2920.7	3001.3	3068.9
2.5°	1878.3	2027.5	2178.2	2323.1	2463.1	2595.2	2727.6	2847.1	2944.6	3018.4	3083.2
0°	1888.9	2038.3	2190.2	2338.5	2475.9	2603.7	2745.9	2858.0	2959.2	3032.8	3100.3
-2.5°	1878.3	2027.5	2178.2	2323.1	2463.1	2595.2	2727.6	2847.1	2944.6	3018.4	3083.2
-5°	1861.7	2009.6	2159.3	2303.9	2440.8	2572.6	2701.8	2820.0	2920.7	3001.3	3068.9
-7.5°	1838.6	1983.1	2129.9	2273.2	2408.2	2539.6	2668.2	2787.9	2891.1	2970.2	3032.3
-10°	1807.3	1947.5	2092.1	2235.2	2370.7	2497.8	2622.7	2735.4	2837.6	2921.7	2991.2
-12.5°	1771.1	1907.2	2047.2	2187.6	2321.3	2441.5	2556.4	2662.9	2766.9	2860.8	2923.0
-15°	1728.5	1859.4	1993.6	2125.9	2252.3	2372.6	2482.4	2587.5	2686.5	2770.0	2837.7
-17.5°	1676.0	1805.6	1928.5	2052.4	2172.3	2291.1	2400.9	2501.6	2590.7	2668.0	2734.7
-20°	1614.0	1740.4	1857.1	1973.4	2087.2	2200.5	2308.6	2402.4	2485.1	2557.8	2621.6



REPORT NUMBER: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1547.6	1665.6	1779.6	1889.6	1997.6	2103.7	2204.4	2293.4	2371.4	2439.8	2497.7
-25°	1476.4	1587.0	1695.6	1800.1	1901.0	1999.5	2091.5	2176.7	2250.3	2315.7	2368.0
-27.5°	1401.9	1504.7	1606.6	1705.2	1799.7	1888.9	1974.1	2052.2	2121.2	2180.8	2231.6
-30°	1323.0	1418.8	1513.7	1605.9	1693.4	1775.5	1853.5	1925.5	1988.8	2043.6	2091.8
-32.5°	1242.6	1331.0	1418.2	1503.3	1584.2	1660.0	1730.5	1798.6	1857.3	1907.4	1950.4
-35°	1159.5	1241.8	1321.9	1399.2	1473.1	1543.4	1608.4	1670.1	1727.2	1772.8	1810.2
-37.5°	1076.1	1151.1	1224.3	1294.5	1362.2	1425.9	1485.3	1539.5	1588.0	1633.0	1669.5
-40°	993.1	1061.2	1127.3	1190.0	1251.4	1310.2	1365.3	1413.2	1456.2	1495.7	1528.6
-42.5°	909.6	971.8	1031.8	1089.3	1143.1	1197.0	1247.9	1293.4	1331.5	1364.7	1392.7
-45°	827.2	883.0	936.5	989.3	1038.2	1084.9	1130.1	1171.6	1205.0	1234.3	1258.9
-47.5°	745.9	795.6	844.1	890.2	934.6	976.3	1012.9	1046.3	1078.8	1105.4	1126.4
-50°	667.5	711.2	754.6	794.9	835.0	872.5	906.3	935.6	961.7	984.3	1002.1
-52.5°	592.5	630.7	668.2	704.4	739.4	771.8	801.4	826.6	849.0	868.3	883.6
-55°	524.1	555.5	584.3	616.1	646.9	674.9	699.6	721.3	740.0	755.7	769.0
-57.5°	461.8	486.9	511.8	537.0	560.8	583.1	604.0	622.5	638.1	650.8	661.6
-60°	404.1	423.5	444.8	465.1	483.8	500.9	517.8	532.5	545.1	555.5	564.0
-62.5°	350.4	367.5	383.4	398.8	413.9	428.7	440.1	450.5	459.7	467.7	474.0
-65°	298.8	312.8	325.1	336.4	346.8	357.8	366.8	374.3	380.4	385.4	389.4
-67.5°	249.7	260.6	270.1	278.2	286.3	293.8	300.0	305.1	309.0	312.3	314.9
-70°	206.1	214.2	221.1	227.6	234.3	239.6	243.6	246.6	248.4	249.6	250.5
-72.5°	167.4	175.0	181.2	187.0	191.9	195.4	198.0	199.9	201.2	199.9	197.6
-75°	131.7	139.0	146.0	152.0	157.0	159.3	160.4	161.2	161.7	157.3	151.7
-77.5°	101.0	108.4	114.9	120.9	126.3	127.3	127.2	126.9	126.5	120.5	113.2
-80°	71.0	76.9	82.5	88.0	93.4	94.1	93.4	92.3	90.7	84.8	78.1
-82.5°	43.5	47.0	50.3	53.6	56.8	57.7	58.0	57.8	57.4	52.9	47.9
-85°	20.1	21.5	22.9	24.1	25.3	26.5	27.6	28.6	29.5	26.9	24.1
-87.5°	3.9	4.0	4.2	4.3	4.4	4.4	4.5	4.6	4.6	4.4	4.1
-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: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.6	3.6	3.6	3.6	3.6	3.9	4.1	4.4	4.6	4.6
85°	21.1	18.0	16.9	15.7	16.9	18.0	21.1	24.1	26.9	29.5	28.6
82.5°	42.7	37.3	35.6	33.8	35.6	37.3	42.7	47.9	52.9	57.4	57.8
80°	71.1	63.7	60.8	57.9	60.8	63.7	71.1	78.1	84.8	90.7	92.3
77.5°	105.5	97.4	93.9	90.4	93.9	97.4	105.5	113.2	120.5	126.5	126.9
75°	145.7	139.3	135.5	131.4	135.5	139.3	145.7	151.7	157.3	161.7	161.2
72.5°	195.0	191.9	189.1	185.6	189.1	191.9	195.0	197.6	199.9	201.2	199.9
70°	250.8	250.3	250.8	250.7	250.8	250.3	250.8	250.5	249.6	248.4	246.6
67.5°	316.2	316.3	317.6	318.2	317.6	316.3	316.2	314.9	312.3	309.0	305.1
65°	391.9	392.8	392.4	390.5	392.4	392.8	391.9	389.4	385.4	380.4	374.3
62.5°	478.5	481.1	482.5	482.2	482.5	481.1	478.5	474.0	467.7	459.7	450.5
60°	570.3	574.3	576.4	576.2	576.4	574.3	570.3	564.0	555.5	545.1	532.5
57.5°	669.5	674.7	676.0	673.8	676.0	674.7	669.5	661.6	650.8	638.1	622.5
55°	779.1	785.7	788.3	787.1	788.3	785.7	779.1	769.0	755.7	740.0	721.3
52.5°	894.9	902.1	904.7	902.8	904.7	902.1	894.9	883.6	868.3	849.0	826.6
50°	1015.2	1023.9	1027.5	1025.8	1027.5	1023.9	1015.2	1002.1	984.3	961.7	935.6
47.5°	1142.8	1154.5	1159.1	1156.0	1159.1	1154.5	1142.8	1126.4	1105.4	1078.8	1046.3
45°	1277.2	1289.3	1294.0	1291.0	1294.0	1289.3	1277.2	1258.9	1234.3	1205.0	1171.6
42.5°	1414.0	1429.7	1436.4	1430.8	1436.4	1429.7	1414.0	1392.7	1364.7	1331.5	1293.4
40°	1553.2	1570.2	1578.1	1574.2	1578.1	1570.2	1553.2	1528.6	1495.7	1456.2	1413.2
37.5°	1695.9	1712.9	1721.2	1721.3	1721.2	1712.9	1695.9	1669.5	1633.0	1588.0	1539.5
35°	1839.2	1859.7	1871.3	1870.8	1871.3	1859.7	1839.2	1810.2	1772.8	1727.2	1670.1
32.5°	1984.4	2006.7	2018.6	2020.2	2018.6	2006.7	1984.4	1950.4	1907.4	1857.3	1798.6
30°	2129.5	2153.9	2167.7	2173.3	2167.7	2153.9	2129.5	2091.8	2043.6	1988.8	1925.5
27.5°	2270.1	2300.2	2321.0	2322.8	2321.0	2300.2	2270.1	2231.6	2180.8	2121.2	2052.2
25°	2406.3	2437.0	2458.3	2462.6	2458.3	2437.0	2406.3	2368.0	2315.7	2250.3	2176.7
22.5°	2540.6	2572.6	2592.3	2600.0	2592.3	2572.6	2540.6	2497.7	2439.8	2371.4	2293.4
20°	2668.7	2703.4	2724.3	2732.6	2724.3	2703.4	2668.7	2621.6	2557.8	2485.1	2402.4
17.5°	2784.7	2821.4	2847.2	2854.4	2847.2	2821.4	2784.7	2734.7	2668.0	2590.7	2501.6
15°	2886.8	2921.5	2946.0	2955.6	2946.0	2921.5	2886.8	2837.7	2770.0	2686.5	2587.5
12.5°	2969.8	3000.9	3020.1	3029.2	3020.1	3000.9	2969.8	2923.0	2860.8	2766.9	2662.9
10°	3034.7	3065.9	3084.2	3096.7	3084.2	3065.9	3034.7	2991.2	2921.7	2837.6	2735.4
7.5°	3091.0	3123.0	3145.3	3163.0	3145.3	3123.0	3091.0	3032.3	2970.2	2891.1	2787.9
5°	3122.1	3175.5	3183.5	3195.5	3183.5	3175.5	3122.1	3068.9	3001.3	2920.7	2820.0
2.5°	3145.8	3183.7	3206.5	3203.9	3206.5	3183.7	3145.8	3083.2	3018.4	2944.6	2847.1
0°	3163.0	3196.7	3205.1	3216.0	3205.1	3196.7	3163.0	3100.3	3032.8	2959.2	2858.0
-2.5°	3145.8	3183.7	3206.5	3203.9	3206.5	3183.7	3145.8	3083.2	3018.4	2944.6	2847.1
-5°	3122.1	3175.5	3183.5	3195.5	3183.5	3175.5	3122.1	3068.9	3001.3	2920.7	2820.0
-7.5°	3091.0	3123.0	3145.3	3163.0	3145.3	3123.0	3091.0	3032.3	2970.2	2891.1	2787.9
-10°	3034.7	3065.9	3084.2	3096.7	3084.2	3065.9	3034.7	2991.2	2921.7	2837.6	2735.4
-12.5°	2969.8	3000.9	3020.1	3029.2	3020.1	3000.9	2969.8	2923.0	2860.8	2766.9	2662.9
-15°	2886.8	2921.5	2946.0	2955.6	2946.0	2921.5	2886.8	2837.7	2770.0	2686.5	2587.5
-17.5°	2784.7	2821.4	2847.2	2854.4	2847.2	2821.4	2784.7	2734.7	2668.0	2590.7	2501.6
-20°	2668.7	2703.4	2724.3	2732.6	2724.3	2703.4	2668.7	2621.6	2557.8	2485.1	2402.4



REPORT NUMBER: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2540.6	2572.6	2592.3	2600.0	2592.3	2572.6	2540.6	2497.7	2439.8	2371.4	2293.4
-25°	2406.3	2437.0	2458.3	2462.6	2458.3	2437.0	2406.3	2368.0	2315.7	2250.3	2176.7
-27.5°	2270.1	2300.2	2321.0	2322.8	2321.0	2300.2	2270.1	2231.6	2180.8	2121.2	2052.2
-30°	2129.5	2153.9	2167.7	2173.3	2167.7	2153.9	2129.5	2091.8	2043.6	1988.8	1925.5
-32.5°	1984.4	2006.7	2018.6	2020.2	2018.6	2006.7	1984.4	1950.4	1907.4	1857.3	1798.6
-35°	1839.2	1859.7	1871.3	1870.8	1871.3	1859.7	1839.2	1810.2	1772.8	1727.2	1670.1
-37.5°	1695.9	1712.9	1721.2	1721.3	1721.2	1712.9	1695.9	1669.5	1633.0	1588.0	1539.5
-40°	1553.2	1570.2	1578.1	1574.2	1578.1	1570.2	1553.2	1528.6	1495.7	1456.2	1413.2
-42.5°	1414.0	1429.7	1436.4	1430.8	1436.4	1429.7	1414.0	1392.7	1364.7	1331.5	1293.4
-45°	1277.2	1289.3	1294.0	1291.0	1294.0	1289.3	1277.2	1258.9	1234.3	1205.0	1171.6
-47.5°	1142.8	1154.5	1159.1	1156.0	1159.1	1154.5	1142.8	1126.4	1105.4	1078.8	1046.3
-50°	1015.2	1023.9	1027.5	1025.8	1027.5	1023.9	1015.2	1002.1	984.3	961.7	935.6
-52.5°	894.9	902.1	904.7	902.8	904.7	902.1	894.9	883.6	868.3	849.0	826.6
-55°	779.1	785.7	788.3	787.1	788.3	785.7	779.1	769.0	755.7	740.0	721.3
-57.5°	669.5	674.7	676.0	673.8	676.0	674.7	669.5	661.6	650.8	638.1	622.5
-60°	570.3	574.3	576.4	576.2	576.4	574.3	570.3	564.0	555.5	545.1	532.5
-62.5°	478.5	481.1	482.5	482.2	482.5	481.1	478.5	474.0	467.7	459.7	450.5
-65°	391.9	392.8	392.4	390.5	392.4	392.8	391.9	389.4	385.4	380.4	374.3
-67.5°	316.2	316.3	317.6	318.2	317.6	316.3	316.2	314.9	312.3	309.0	305.1
-70°	250.8	250.3	250.8	250.7	250.8	250.3	250.8	250.5	249.6	248.4	246.6
-72.5°	195.0	191.9	189.1	185.6	189.1	191.9	195.0	197.6	199.9	201.2	199.9
-75°	145.7	139.3	135.5	131.4	135.5	139.3	145.7	151.7	157.3	161.7	161.2
-77.5°	105.5	97.4	93.9	90.4	93.9	97.4	105.5	113.2	120.5	126.5	126.9
-80°	71.1	63.7	60.8	57.9	60.8	63.7	71.1	78.1	84.8	90.7	92.3
-82.5°	42.7	37.3	35.6	33.8	35.6	37.3	42.7	47.9	52.9	57.4	57.8
-85°	21.1	18.0	16.9	15.7	16.9	18.0	21.1	24.1	26.9	29.5	28.6
-87.5°	3.9	3.6	3.6	3.6	3.6	3.6	3.9	4.1	4.4	4.6	4.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	4.4	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4
85°	27.6	26.5	25.3	24.1	22.9	21.5	20.1	17.6	15.3	13.2	11.3
82.5°	58.0	57.7	56.8	53.6	50.3	47.0	43.5	38.3	33.2	28.2	23.9
80°	93.4	94.1	93.4	88.0	82.5	76.9	71.0	63.4	55.7	48.4	42.9
77.5°	127.2	127.3	126.3	120.9	114.9	108.4	101.0	91.8	82.7	73.5	66.4
75°	160.4	159.3	157.0	152.0	146.0	139.0	131.7	123.7	114.4	103.6	94.4
72.5°	198.0	195.4	191.9	187.0	181.2	175.0	167.4	158.5	148.7	138.0	128.2
70°	243.6	239.6	234.3	227.6	221.1	214.2	206.1	196.4	184.9	173.1	162.2
67.5°	300.0	293.8	286.3	278.2	270.1	260.6	249.7	237.8	226.0	212.8	197.9
65°	366.8	357.8	346.8	336.4	325.1	312.8	298.8	285.0	270.6	254.7	235.9
62.5°	440.1	428.7	413.9	398.8	383.4	367.5	350.4	333.5	316.2	297.5	276.3
60°	517.8	500.9	483.8	465.1	444.8	423.5	404.1	383.4	361.6	340.5	317.1
57.5°	604.0	583.1	560.8	537.0	511.8	486.9	461.8	435.8	411.1	385.4	358.9
55°	699.6	674.9	646.9	616.1	584.3	555.5	524.1	492.6	462.9	431.6	402.5
52.5°	801.4	771.8	739.4	704.4	668.2	630.7	592.5	556.4	517.7	482.3	447.1
50°	906.3	872.5	835.0	794.9	754.6	711.2	667.5	624.0	580.2	536.8	494.7
47.5°	1012.9	976.3	934.6	890.2	844.1	795.6	745.9	693.6	645.1	594.8	546.9
45°	1130.1	1084.9	1038.2	989.3	936.5	883.0	827.2	770.0	711.7	656.4	600.2
42.5°	1247.9	1197.0	1143.1	1089.3	1031.8	971.8	909.6	846.5	782.4	718.6	657.3
40°	1365.3	1310.2	1251.4	1190.0	1127.3	1061.2	993.1	922.9	853.3	783.1	713.7
37.5°	1485.3	1425.9	1362.2	1294.5	1224.3	1151.1	1076.1	1000.1	923.4	847.9	772.6
35°	1608.4	1543.4	1473.1	1399.2	1321.9	1241.8	1159.5	1076.3	993.7	912.1	830.5
32.5°	1730.5	1660.0	1584.2	1503.3	1418.2	1331.0	1242.6	1152.8	1062.4	975.2	888.3
30°	1853.5	1775.5	1693.4	1605.9	1513.7	1418.8	1323.0	1227.8	1131.5	1035.5	943.6
27.5°	1974.1	1888.9	1799.7	1705.2	1606.6	1504.7	1401.9	1300.3	1197.6	1095.5	996.4
25°	2091.5	1999.5	1901.0	1800.1	1695.6	1587.0	1476.4	1368.9	1261.7	1152.5	1043.8
22.5°	2204.4	2103.7	1997.6	1889.6	1779.6	1665.6	1547.6	1431.8	1320.8	1203.6	1090.0
20°	2308.6	2200.5	2087.2	1973.4	1857.1	1740.4	1614.0	1490.8	1371.4	1251.0	1131.9
17.5°	2400.9	2291.1	2172.3	2052.4	1928.5	1805.6	1676.0	1544.5	1418.0	1293.1	1168.7
15°	2482.4	2372.6	2252.3	2125.9	1993.6	1859.4	1728.5	1591.9	1460.4	1330.4	1202.8
12.5°	2556.4	2441.5	2321.3	2187.6	2047.2	1907.2	1771.1	1633.5	1498.1	1364.5	1233.4
10°	2622.7	2497.8	2370.7	2235.2	2092.1	1947.5	1807.3	1668.4	1530.2	1393.7	1258.7
7.5°	2668.2	2539.6	2408.2	2273.2	2129.9	1983.1	1838.6	1696.5	1555.3	1417.0	1278.4
5°	2701.8	2572.6	2440.8	2303.9	2159.3	2009.6	1861.7	1716.9	1573.1	1434.0	1292.5
2.5°	2727.6	2595.2	2463.1	2323.1	2178.2	2027.5	1878.3	1732.2	1587.2	1446.5	1304.9
0°	2745.9	2603.7	2475.9	2338.5	2190.2	2038.3	1888.9	1741.8	1595.9	1452.5	1311.5
-2.5°	2727.6	2595.2	2463.1	2323.1	2178.2	2027.5	1878.3	1732.2	1587.2	1446.5	1304.9
-5°	2701.8	2572.6	2440.8	2303.9	2159.3	2009.6	1861.7	1716.9	1573.1	1434.0	1292.5
-7.5°	2668.2	2539.6	2408.2	2273.2	2129.9	1983.1	1838.6	1696.5	1555.3	1417.0	1278.4
-10°	2622.7	2497.8	2370.7	2235.2	2092.1	1947.5	1807.3	1668.4	1530.2	1393.7	1258.7
-12.5°	2556.4	2441.5	2321.3	2187.6	2047.2	1907.2	1771.1	1633.5	1498.1	1364.5	1233.4
-15°	2482.4	2372.6	2252.3	2125.9	1993.6	1859.4	1728.5	1591.9	1460.4	1330.4	1202.8
-17.5°	2400.9	2291.1	2172.3	2052.4	1928.5	1805.6	1676.0	1544.5	1418.0	1293.1	1168.7
-20°	2308.6	2200.5	2087.2	1973.4	1857.1	1740.4	1614.0	1490.8	1371.4	1251.0	1131.9



REPORT NUMBER: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2204.4	2103.7	1997.6	1889.6	1779.6	1665.6	1547.6	1431.8	1320.8	1203.6	1090.0
-25°	2091.5	1999.5	1901.0	1800.1	1695.6	1587.0	1476.4	1368.9	1261.7	1152.5	1043.8
-27.5°	1974.1	1888.9	1799.7	1705.2	1606.6	1504.7	1401.9	1300.3	1197.6	1095.5	996.4
-30°	1853.5	1775.5	1693.4	1605.9	1513.7	1418.8	1323.0	1227.8	1131.5	1035.5	943.6
-32.5°	1730.5	1660.0	1584.2	1503.3	1418.2	1331.0	1242.6	1152.8	1062.4	975.2	888.3
-35°	1608.4	1543.4	1473.1	1399.2	1321.9	1241.8	1159.5	1076.3	993.7	912.1	830.5
-37.5°	1485.3	1425.9	1362.2	1294.5	1224.3	1151.1	1076.1	1000.1	923.4	847.9	772.6
-40°	1365.3	1310.2	1251.4	1190.0	1127.3	1061.2	993.1	922.9	853.3	783.1	713.7
-42.5°	1247.9	1197.0	1143.1	1089.3	1031.8	971.8	909.6	846.5	782.4	718.6	657.3
-45°	1130.1	1084.9	1038.2	989.3	936.5	883.0	827.2	770.0	711.7	656.4	600.2
-47.5°	1012.9	976.3	934.6	890.2	844.1	795.6	745.9	693.6	645.1	594.8	546.9
-50°	906.3	872.5	835.0	794.9	754.6	711.2	667.5	624.0	580.2	536.8	494.7
-52.5°	801.4	771.8	739.4	704.4	668.2	630.7	592.5	556.4	517.7	482.3	447.1
-55°	699.6	674.9	646.9	616.1	584.3	555.5	524.1	492.6	462.9	431.6	402.5
-57.5°	604.0	583.1	560.8	537.0	511.8	486.9	461.8	435.8	411.1	385.4	358.9
-60°	517.8	500.9	483.8	465.1	444.8	423.5	404.1	383.4	361.6	340.5	317.1
-62.5°	440.1	428.7	413.9	398.8	383.4	367.5	350.4	333.5	316.2	297.5	276.3
-65°	366.8	357.8	346.8	336.4	325.1	312.8	298.8	285.0	270.6	254.7	235.9
-67.5°	300.0	293.8	286.3	278.2	270.1	260.6	249.7	237.8	226.0	212.8	197.9
-70°	243.6	239.6	234.3	227.6	221.1	214.2	206.1	196.4	184.9	173.1	162.2
-72.5°	198.0	195.4	191.9	187.0	181.2	175.0	167.4	158.5	148.7	138.0	128.2
-75°	160.4	159.3	157.0	152.0	146.0	139.0	131.7	123.7	114.4	103.6	94.4
-77.5°	127.2	127.3	126.3	120.9	114.9	108.4	101.0	91.8	82.7	73.5	66.4
-80°	93.4	94.1	93.4	88.0	82.5	76.9	71.0	63.4	55.7	48.4	42.9
-82.5°	58.0	57.7	56.8	53.6	50.3	47.0	43.5	38.3	33.2	28.2	23.9
-85°	27.6	26.5	25.3	24.1	22.9	21.5	20.1	17.6	15.3	13.2	11.3
-87.5°	4.5	4.4	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4
-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: P626771 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	3.5	3.5	3.4	3.1	2.7	2.4	2.0	1.8	1.6	1.4
85°	11.4	11.1	10.5	9.5	7.5	5.4	4.7	4.1	3.7	3.3	2.9
82.5°	23.8	24.0	24.0	23.3	20.5	17.7	14.6	11.5	8.5	5.4	4.3
80°	43.0	42.5	41.5	39.5	35.0	29.9	26.1	22.1	18.2	14.2	10.0
77.5°	65.0	63.1	60.9	58.3	53.5	47.9	41.4	34.1	27.9	22.9	17.7
75°	89.6	86.6	83.4	79.1	73.0	66.0	58.9	50.3	40.9	31.9	25.4
72.5°	120.4	113.2	106.8	100.8	94.2	86.3	77.3	66.3	54.8	43.9	33.7
70°	151.6	140.9	131.3	123.1	115.1	106.9	96.9	83.4	68.5	55.7	43.7
67.5°	183.3	170.6	157.8	145.6	135.4	125.8	116.2	100.4	83.3	67.2	53.4
65°	218.4	201.4	185.1	169.9	156.2	144.2	132.9	116.4	97.7	79.6	62.8
62.5°	254.4	232.8	213.5	194.2	177.1	162.4	148.9	130.7	111.5	91.5	72.7
60°	292.3	267.7	242.1	219.5	198.5	179.9	163.6	144.7	124.4	103.1	82.5
57.5°	332.2	303.3	274.5	246.0	220.8	198.4	177.9	158.0	137.0	114.4	91.6
55°	372.6	341.5	307.4	275.3	244.4	217.8	193.0	170.8	149.2	125.6	99.5
52.5°	413.1	378.9	342.4	305.2	270.6	237.4	209.6	183.3	160.5	136.5	107.7
50°	455.5	416.2	377.1	336.9	296.7	260.3	225.7	197.6	171.4	146.9	115.4
47.5°	499.6	455.8	412.3	368.4	325.3	282.3	244.5	211.6	182.0	156.3	122.6
45°	547.9	496.8	448.5	401.1	352.3	306.0	263.5	225.0	193.9	163.6	129.3
42.5°	596.2	540.0	486.0	433.2	380.6	329.5	281.5	240.7	205.4	170.6	135.4
40°	647.5	583.3	523.5	466.3	408.2	351.9	301.5	256.1	216.1	177.9	141.2
37.5°	697.4	627.7	562.0	497.8	435.3	376.1	320.7	270.5	226.3	186.0	146.8
35°	750.3	672.3	597.6	529.5	463.2	399.0	338.6	285.0	238.0	194.0	152.0
32.5°	801.3	715.9	635.9	560.8	489.8	420.7	357.1	300.4	249.3	201.7	156.8
30°	851.5	759.7	672.5	590.4	515.6	443.4	375.7	314.8	260.0	209.2	161.7
27.5°	897.8	800.3	707.5	620.9	541.0	464.9	393.2	328.1	270.2	216.8	167.3
25°	940.9	839.3	742.2	650.3	564.5	485.3	409.3	340.4	280.6	224.8	172.6
22.5°	981.3	875.6	773.5	677.4	586.2	504.0	425.0	353.6	290.5	232.2	177.4
20°	1018.1	908.2	801.6	702.0	607.4	521.8	440.2	365.4	299.3	238.9	181.7
17.5°	1051.2	938.0	828.4	724.9	627.1	537.7	453.6	375.7	307.0	244.8	185.5
15°	1081.9	965.1	852.1	745.0	644.2	551.4	465.3	384.7	313.6	250.0	189.1
12.5°	1108.3	988.4	872.2	762.0	658.6	563.1	475.2	392.2	319.1	254.7	192.5
10°	1130.1	1007.6	888.6	775.9	670.3	572.6	483.2	398.5	324.3	258.7	195.1
7.5°	1147.0	1022.7	901.3	786.7	679.5	580.6	490.0	404.0	328.4	261.8	197.0
5°	1159.8	1034.4	912.3	795.7	688.0	587.0	495.0	407.9	331.5	264.0	198.0
2.5°	1171.2	1043.2	920.9	801.5	693.7	591.2	498.0	410.2	333.3	265.1	198.2
0°	1177.7	1047.5	925.7	804.0	696.7	593.1	499.0	411.0	333.9	265.2	197.7
-2.5°	1171.2	1043.2	920.9	801.5	693.7	591.2	498.0	410.2	333.3	265.1	198.2
-5°	1159.8	1034.4	912.3	795.7	688.0	587.0	495.0	407.9	331.5	264.0	198.0
-7.5°	1147.0	1022.7	901.3	786.7	679.5	580.6	490.0	404.0	328.4	261.8	197.0
-10°	1130.1	1007.6	888.6	775.9	670.3	572.6	483.2	398.5	324.3	258.7	195.1
-12.5°	1108.3	988.4	872.2	762.0	658.6	563.1	475.2	392.2	319.1	254.7	192.5
-15°	1081.9	965.1	852.1	745.0	644.2	551.4	465.3	384.7	313.6	250.0	189.1
-17.5°	1051.2	938.0	828.4	724.9	627.1	537.7	453.6	375.7	307.0	244.8	185.5
-20°	1018.1	908.2	801.6	702.0	607.4	521.8	440.2	365.4	299.3	238.9	181.7



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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°	981.3	875.6	773.5	677.4	586.2	504.0	425.0	353.6	290.5	232.2	177.4
-25°	940.9	839.3	742.2	650.3	564.5	485.3	409.3	340.4	280.6	224.8	172.6
-27.5°	897.8	800.3	707.5	620.9	541.0	464.9	393.2	328.1	270.2	216.8	167.3
-30°	851.5	759.7	672.5	590.4	515.6	443.4	375.7	314.8	260.0	209.2	161.7
-32.5°	801.3	715.9	635.9	560.8	489.8	420.7	357.1	300.4	249.3	201.7	156.8
-35°	750.3	672.3	597.6	529.5	463.2	399.0	338.6	285.0	238.0	194.0	152.0
-37.5°	697.4	627.7	562.0	497.8	435.3	376.1	320.7	270.5	226.3	186.0	146.8
-40°	647.5	583.3	523.5	466.3	408.2	351.9	301.5	256.1	216.1	177.9	141.2
-42.5°	596.2	540.0	486.0	433.2	380.6	329.5	281.5	240.7	205.4	170.6	135.4
-45°	547.9	496.8	448.5	401.1	352.3	306.0	263.5	225.0	193.9	163.6	129.3
-47.5°	499.6	455.8	412.3	368.4	325.3	282.3	244.5	211.6	182.0	156.3	122.6
-50°	455.5	416.2	377.1	336.9	296.7	260.3	225.7	197.6	171.4	146.9	115.4
-52.5°	413.1	378.9	342.4	305.2	270.6	237.4	209.6	183.3	160.5	136.5	107.7
-55°	372.6	341.5	307.4	275.3	244.4	217.8	193.0	170.8	149.2	125.6	99.5
-57.5°	332.2	303.3	274.5	246.0	220.8	198.4	177.9	158.0	137.0	114.4	91.6
-60°	292.3	267.7	242.1	219.5	198.5	179.9	163.6	144.7	124.4	103.1	82.5
-62.5°	254.4	232.8	213.5	194.2	177.1	162.4	148.9	130.7	111.5	91.5	72.7
-65°	218.4	201.4	185.1	169.9	156.2	144.2	132.9	116.4	97.7	79.6	62.8
-67.5°	183.3	170.6	157.8	145.6	135.4	125.8	116.2	100.4	83.3	67.2	53.4
-70°	151.6	140.9	131.3	123.1	115.1	106.9	96.9	83.4	68.5	55.7	43.7
-72.5°	120.4	113.2	106.8	100.8	94.2	86.3	77.3	66.3	54.8	43.9	33.7
-75°	89.6	86.6	83.4	79.1	73.0	66.0	58.9	50.3	40.9	31.9	25.4
-77.5°	65.0	63.1	60.9	58.3	53.5	47.9	41.4	34.1	27.9	22.9	17.7
-80°	43.0	42.5	41.5	39.5	35.0	29.9	26.1	22.1	18.2	14.2	10.0
-82.5°	23.8	24.0	24.0	23.3	20.5	17.7	14.6	11.5	8.5	5.4	4.3
-85°	11.4	11.1	10.5	9.5	7.5	5.4	4.7	4.1	3.7	3.3	2.9
-87.5°	3.4	3.5	3.5	3.4	3.1	2.7	2.4	2.0	1.8	1.6	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	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°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
82.5°	3.7	3.1	2.5	1.9	1.2	0.5	0.0
80°	5.6	4.1	3.3	2.5	1.7	0.7	0.0
77.5°	12.2	6.5	4.1	3.1	2.1	0.9	0.0
75°	18.7	11.2	5.4	3.7	2.5	1.1	0.0
72.5°	24.9	15.9	8.6	4.3	2.9	1.3	0.0
70°	31.2	20.3	11.7	5.2	3.2	1.4	0.0
67.5°	38.7	24.6	14.7	7.1	3.6	1.6	0.0
65°	45.9	29.4	17.6	9.0	4.0	1.8	0.0
62.5°	52.7	34.6	20.3	10.7	4.3	1.9	0.0
60°	59.2	39.6	22.8	12.4	4.6	2.1	0.0
57.5°	65.9	44.2	26.2	14.0	5.6	2.2	0.0
55°	72.4	48.6	29.4	15.4	6.5	2.3	0.0
52.5°	78.3	52.7	32.5	16.8	7.4	2.5	0.0
50°	83.7	57.0	35.2	18.0	8.2	2.6	0.0
47.5°	88.8	61.0	37.7	19.3	9.0	2.7	0.0
45°	94.5	64.6	40.0	21.0	9.8	2.8	0.0
42.5°	99.7	67.8	42.0	22.5	10.5	3.0	0.0
40°	104.4	70.6	44.0	24.1	11.2	3.1	0.0
37.5°	108.6	73.0	46.0	25.6	11.9	3.1	0.0
35°	112.3	75.7	47.8	27.0	12.4	3.2	0.0
32.5°	115.7	78.5	49.2	28.3	13.0	3.3	0.0
30°	119.3	80.8	50.4	29.6	13.5	3.4	0.0
27.5°	122.5	82.8	52.1	30.6	13.9	3.4	0.0
25°	125.4	84.3	53.7	31.6	14.3	3.5	0.0
22.5°	127.8	85.9	55.1	32.5	14.7	3.5	0.0
20°	129.8	88.0	56.3	33.2	15.0	3.6	0.0
17.5°	132.3	89.7	57.4	33.9	15.3	3.6	0.0
15°	134.9	91.1	58.2	34.4	15.5	3.6	0.0
12.5°	137.1	92.1	58.8	34.8	15.6	3.6	0.0
10°	138.7	92.7	59.3	35.0	15.7	3.6	0.0
7.5°	139.8	92.9	59.5	35.2	15.8	3.6	0.0
5°	140.3	92.8	59.6	35.2	15.8	3.6	0.0
2.5°	140.3	92.4	59.4	35.2	15.8	3.6	0.0
0°	139.8	91.6	59.1	35.0	15.7	3.6	0.0
-2.5°	140.3	92.4	59.4	35.2	15.8	3.6	0.0
-5°	140.3	92.8	59.6	35.2	15.8	3.6	0.0
-7.5°	139.8	92.9	59.5	35.2	15.8	3.6	0.0
-10°	138.7	92.7	59.3	35.0	15.7	3.6	0.0
-12.5°	137.1	92.1	58.8	34.8	15.6	3.6	0.0
-15°	134.9	91.1	58.2	34.4	15.5	3.6	0.0
-17.5°	132.3	89.7	57.4	33.9	15.3	3.6	0.0
-20°	129.8	88.0	56.3	33.2	15.0	3.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	127.8	85.9	55.1	32.5	14.7	3.5	0.0
-25°	125.4	84.3	53.7	31.6	14.3	3.5	0.0
-27.5°	122.5	82.8	52.1	30.6	13.9	3.4	0.0
-30°	119.3	80.8	50.4	29.6	13.5	3.4	0.0
-32.5°	115.7	78.5	49.2	28.3	13.0	3.3	0.0
-35°	112.3	75.7	47.8	27.0	12.4	3.2	0.0
-37.5°	108.6	73.0	46.0	25.6	11.9	3.1	0.0
-40°	104.4	70.6	44.0	24.1	11.2	3.1	0.0
-42.5°	99.7	67.8	42.0	22.5	10.5	3.0	0.0
-45°	94.5	64.6	40.0	21.0	9.8	2.8	0.0
-47.5°	88.8	61.0	37.7	19.3	9.0	2.7	0.0
-50°	83.7	57.0	35.2	18.0	8.2	2.6	0.0
-52.5°	78.3	52.7	32.5	16.8	7.4	2.5	0.0
-55°	72.4	48.6	29.4	15.4	6.5	2.3	0.0
-57.5°	65.9	44.2	26.2	14.0	5.6	2.2	0.0
-60°	59.2	39.6	22.8	12.4	4.6	2.1	0.0
-62.5°	52.7	34.6	20.3	10.7	4.3	1.9	0.0
-65°	45.9	29.4	17.6	9.0	4.0	1.8	0.0
-67.5°	38.7	24.6	14.7	7.1	3.6	1.6	0.0
-70°	31.2	20.3	11.7	5.2	3.2	1.4	0.0
-72.5°	24.9	15.9	8.6	4.3	2.9	1.3	0.0
-75°	18.7	11.2	5.4	3.7	2.5	1.1	0.0
-77.5°	12.2	6.5	4.1	3.1	2.1	0.9	0.0
-80°	5.6	4.1	3.3	2.5	1.7	0.7	0.0
-82.5°	3.7	3.1	2.5	1.9	1.2	0.5	0.0
-85°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-87.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)