

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: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-727-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1E-727-U-VWR-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4891.5 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')

NEMA Type: 6H x 6V
Max Intensity: 3665.4 candela
Max Intensity Angle: -2.5°H x -2.5°V

Beam Angle (50%): 63.9°H x 69.6°V
Beam Lumens: 2830.1 lumens
Beam Efficiency: 57.9%

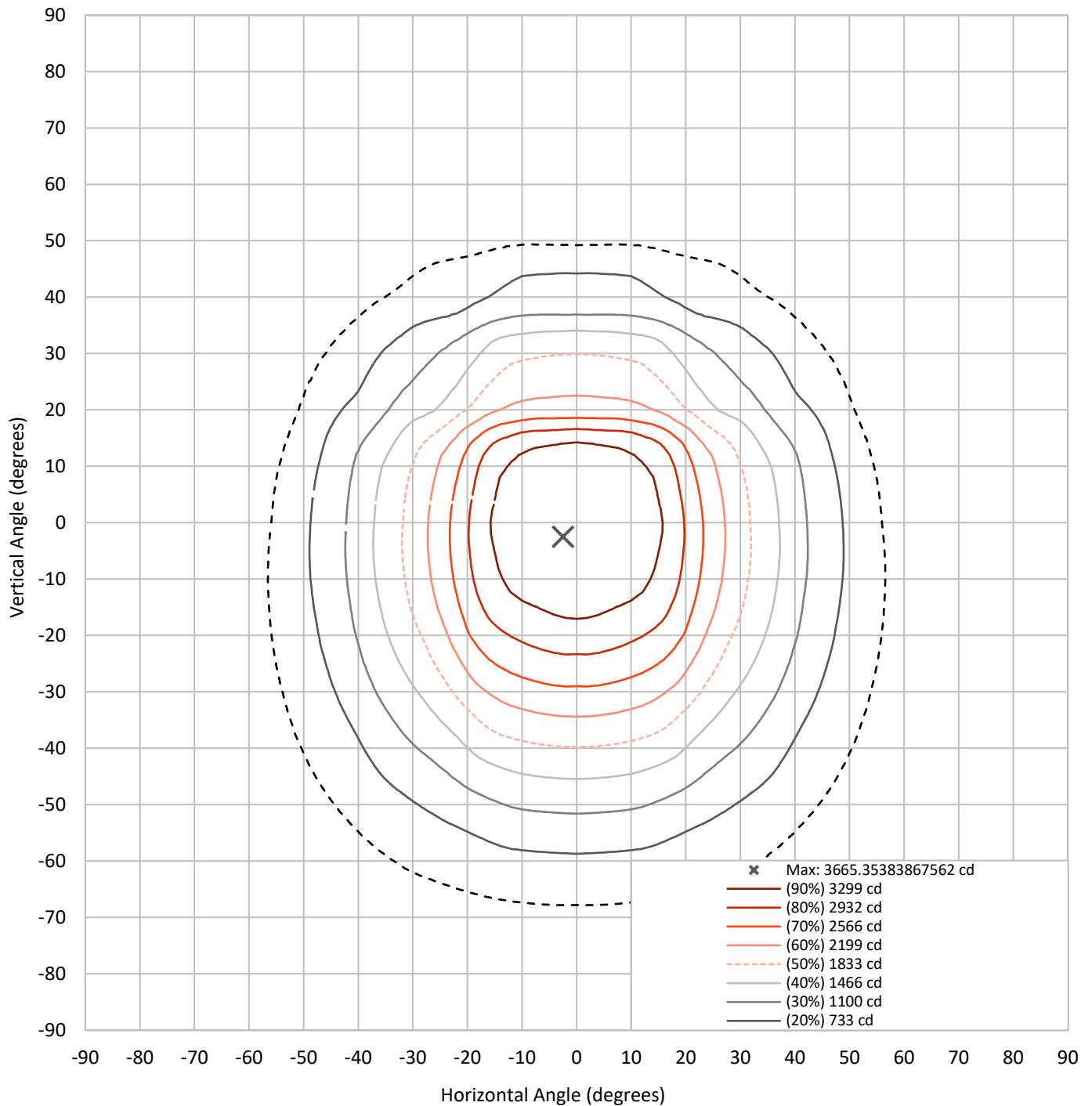
Field Angle (10%): 112.5°H x 117°V
Field Lumens: 4641.7 lumens
Field Efficiency: 94.9%

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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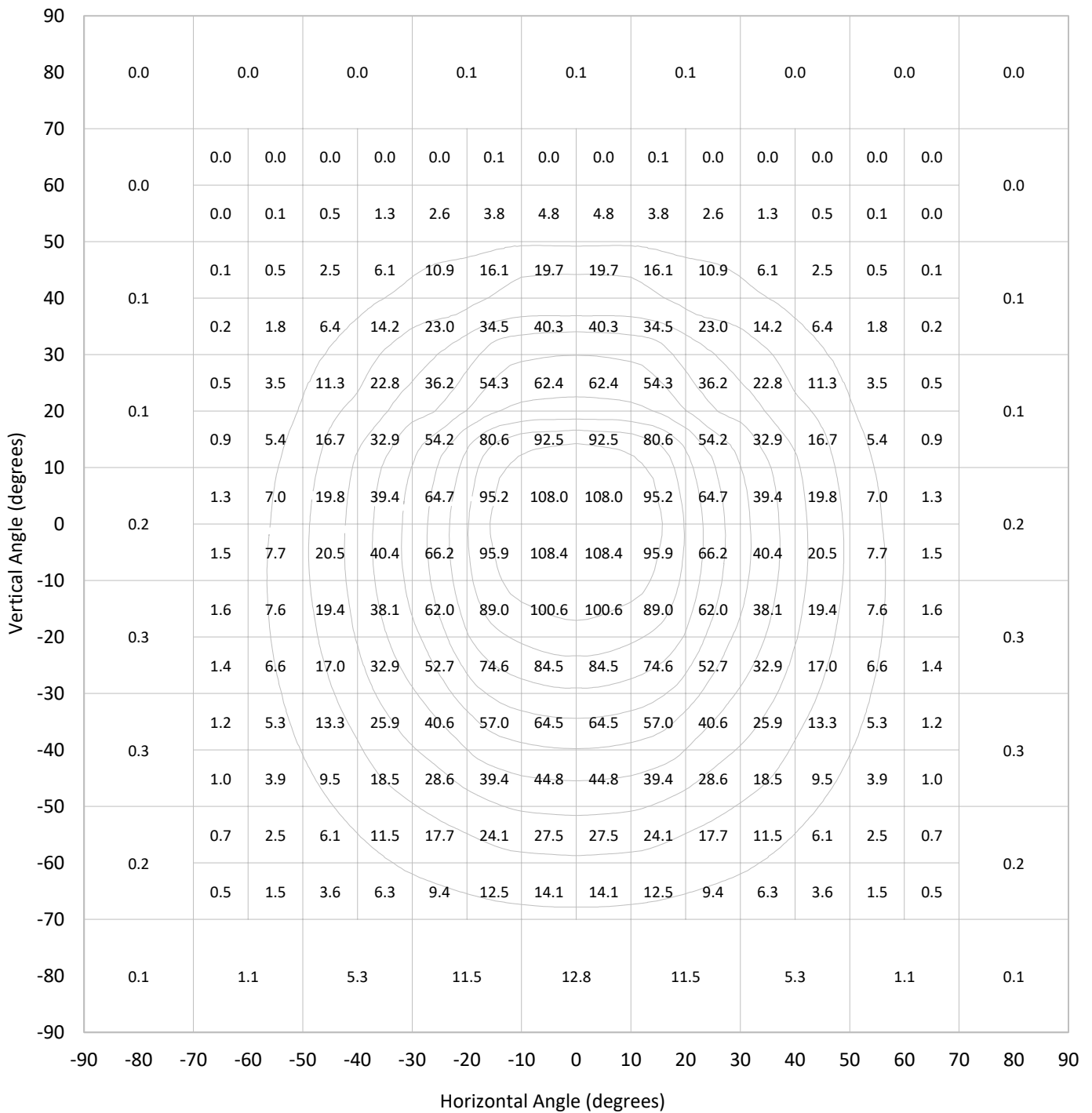
Iso-Candela Plot





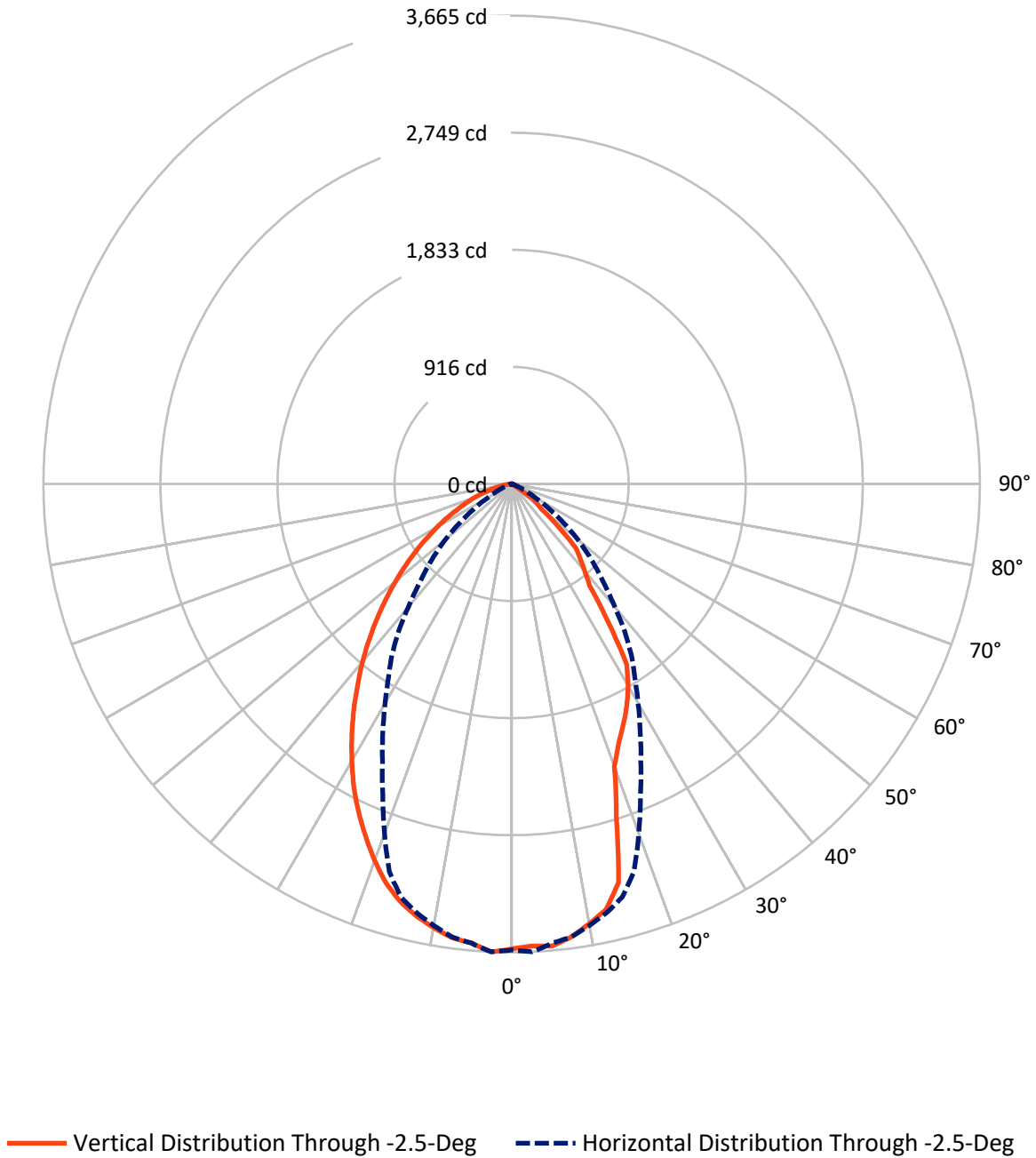
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Lumen Table



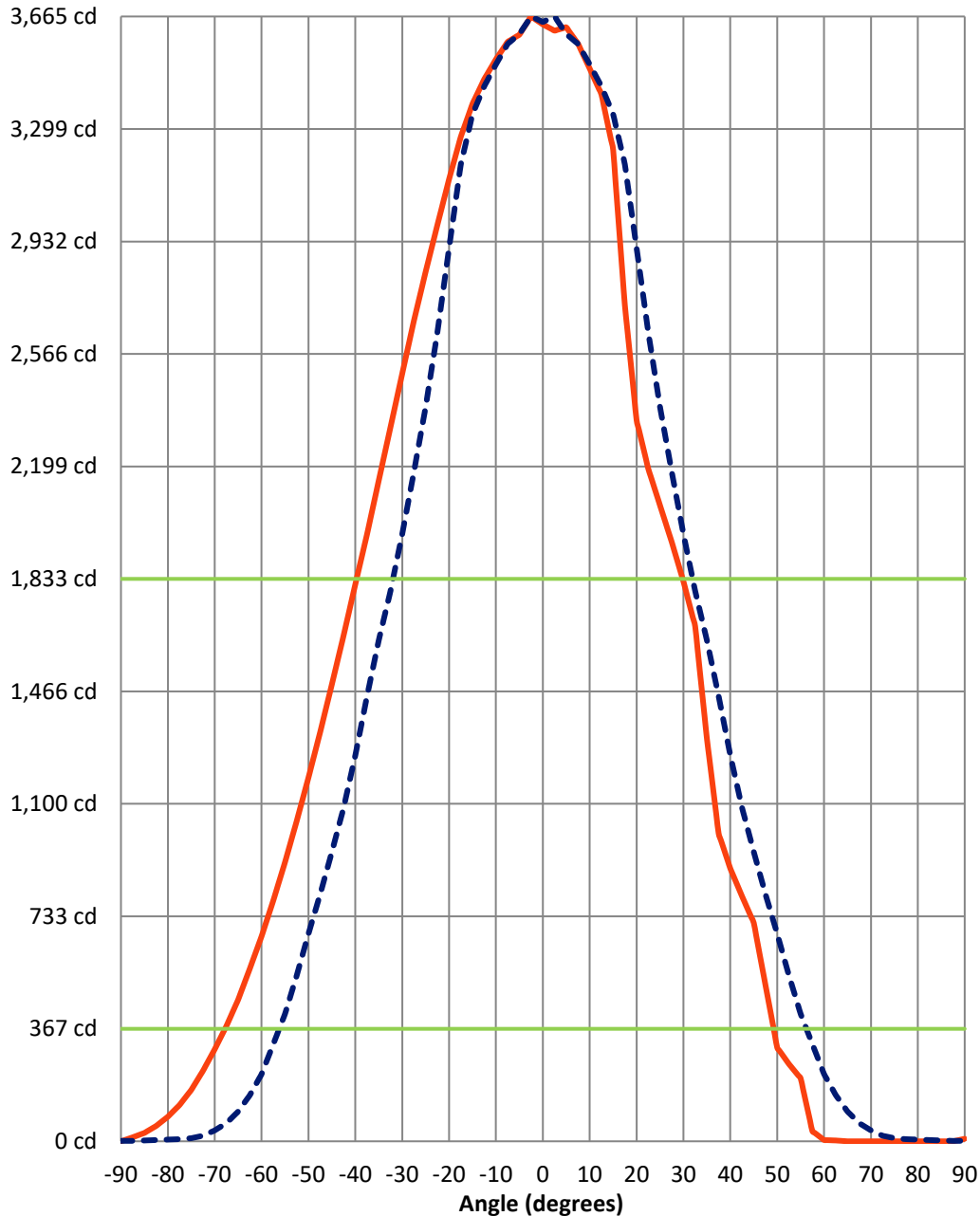
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 2830.1
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117°
 Lumens: 4641.7
 Efficiency: 94.9%

Spill:
 Lumens: 249.8
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through -2.5-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°	1.4	1.4	1.4	1.7	2.1	2.4	2.7	3.1	3.4	3.8	4.1
87.5°	1.4	1.4	1.4	1.4	1.3	1.2	1.0	0.7	0.5	0.2	0.0
85°	1.4	1.4	1.4	1.3	1.2	0.9	0.7	0.4	0.2	0.1	0.0
82.5°	1.4	1.4	1.4	1.3	1.0	0.7	0.3	0.1	0.0	0.2	0.4
80°	1.4	1.4	1.4	1.2	0.9	0.5	0.1	0.3	0.5	0.7	1.0
77.5°	1.4	1.4	1.4	1.2	0.8	0.5	0.4	0.7	1.0	1.3	1.3
75°	1.4	1.4	1.4	1.2	0.8	0.7	0.8	1.1	1.4	1.1	0.7
72.5°	1.4	1.4	1.4	1.1	0.9	0.9	1.1	1.4	1.2	0.8	0.2
70°	1.4	1.4	1.4	1.1	1.0	1.1	1.4	1.3	1.0	0.5	0.6
67.5°	1.4	1.4	1.4	1.2	1.1	1.3	1.4	1.3	0.9	1.1	1.2
65°	1.4	1.4	1.4	1.2	1.2	1.4	1.5	1.3	1.4	1.6	1.7
62.5°	1.4	1.4	1.4	1.3	1.3	1.5	1.6	1.6	1.8	2.1	1.9
60°	1.4	1.4	1.4	1.3	1.4	1.7	1.6	2.0	2.3	2.4	2.2
57.5°	1.4	1.4	1.4	1.3	1.5	1.8	2.0	2.3	2.7	2.7	2.7
55°	1.4	1.4	1.4	1.4	1.7	1.9	2.3	2.7	3.1	3.2	3.3
52.5°	1.4	1.4	1.5	1.4	1.8	2.1	2.6	3.1	3.6	3.8	4.0
50°	1.4	1.4	1.5	1.4	1.9	2.4	3.0	3.5	4.1	4.4	4.6
47.5°	1.4	1.4	1.5	1.4	2.1	2.6	3.3	3.9	4.6	4.9	5.2
45°	1.4	1.4	1.6	1.5	2.2	2.9	3.6	4.3	5.1	5.5	5.9
42.5°	1.4	1.4	1.6	1.7	2.4	3.2	3.9	4.7	5.6	6.0	7.1
40°	1.4	1.4	1.6	1.8	2.6	3.4	4.2	5.2	6.1	6.6	8.5
37.5°	1.4	1.4	1.7	2.0	2.8	3.7	4.5	5.7	6.7	7.5	9.9
35°	1.4	1.4	1.8	2.2	3.0	3.9	4.8	6.2	7.3	9.2	12.6
32.5°	1.4	1.4	1.8	2.3	3.2	4.1	5.2	6.7	7.9	11.2	18.0
30°	1.4	1.4	1.9	2.5	3.3	4.4	5.6	7.2	8.5	13.5	23.3
27.5°	1.4	1.4	1.9	2.7	3.6	4.6	6.0	7.7	9.6	16.1	28.4
25°	1.4	1.4	2.0	2.8	3.8	4.8	6.4	8.3	11.6	19.9	33.4
22.5°	1.4	1.4	2.1	3.0	4.0	5.0	6.8	8.8	13.7	24.0	40.0
20°	1.4	1.4	2.2	3.1	4.2	5.2	7.1	9.3	15.9	27.9	46.5
17.5°	1.4	1.4	2.2	3.3	4.4	5.5	7.5	9.8	18.1	31.6	53.0
15°	1.4	1.4	2.3	3.4	4.6	5.7	7.9	10.5	20.3	35.0	59.2
12.5°	1.4	1.4	2.4	3.5	4.8	5.9	8.3	11.5	22.8	38.2	65.2
10°	1.4	1.4	2.4	3.7	4.9	6.1	8.6	12.5	25.4	41.9	71.2
7.5°	1.4	1.4	2.5	3.8	5.1	6.3	8.9	13.5	27.9	45.6	77.5
5°	1.4	1.4	2.6	3.9	5.2	6.5	9.2	14.5	30.2	48.9	83.3
2.5°	1.4	1.4	2.6	4.0	5.4	6.6	9.4	15.5	32.3	52.0	88.5
0°	1.4	1.4	2.7	4.1	5.5	6.8	9.6	16.4	34.2	54.7	93.0
-2.5°	1.4	1.4	2.7	4.1	5.5	6.8	9.6	16.4	34.2	54.7	93.0
-5°	1.4	1.4	2.7	4.1	5.7	7.1	10.6	19.6	36.6	62.8	100.4
-7.5°	1.4	1.4	2.7	4.1	5.8	7.2	11.0	21.0	37.5	65.9	103.0
-10°	1.4	1.4	2.7	4.0	5.8	7.3	11.4	22.1	38.1	68.1	105.0
-12.5°	1.4	1.4	2.6	4.0	5.9	7.4	11.7	22.9	38.6	69.3	106.5
-15°	1.4	1.4	2.6	4.0	5.9	7.5	11.8	23.4	39.4	69.2	107.0
-17.5°	1.4	1.4	2.6	3.9	5.9	7.5	11.9	23.9	40.6	68.5	106.3
-20°	1.4	1.4	2.5	3.8	5.8	7.6	12.2	24.4	41.3	67.2	104.4

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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°	1.4	1.4	2.5	3.8	5.8	7.6	13.0	24.6	41.7	65.4	101.1
-25°	1.4	1.4	2.5	3.7	5.7	8.1	13.6	24.5	41.5	63.1	96.3
-27.5°	1.4	1.4	2.4	3.6	5.5	8.8	14.1	24.1	41.0	61.1	92.9
-30°	1.4	1.4	2.4	3.5	5.4	9.3	14.4	23.5	40.2	60.3	89.0
-32.5°	1.4	1.4	2.3	3.4	5.6	9.8	14.6	23.5	39.2	58.7	84.6
-35°	1.4	1.4	2.2	3.3	5.7	10.1	15.0	23.6	37.8	56.6	79.7
-37.5°	1.4	1.4	2.2	3.2	5.8	10.3	15.4	23.5	36.1	53.9	77.5
-40°	1.4	1.4	2.1	3.1	5.9	10.4	15.6	23.2	33.9	51.2	75.1
-42.5°	1.4	1.4	2.0	3.0	5.9	10.4	15.7	22.7	32.7	49.1	71.4
-45°	1.4	1.4	1.9	3.1	6.0	10.4	15.6	22.2	31.9	46.5	66.7
-47.5°	1.4	1.4	1.9	3.0	5.9	10.2	15.4	21.9	30.7	43.4	63.0
-50°	1.4	1.4	1.8	3.0	5.8	10.0	15.1	21.4	29.8	42.2	58.6
-52.5°	1.4	1.4	1.7	3.0	5.6	9.7	14.7	20.6	29.1	40.8	53.9
-55°	1.4	1.4	1.6	2.9	5.4	9.3	14.2	19.6	28.1	38.9	51.7
-57.5°	1.4	1.4	1.5	2.8	5.1	8.8	13.6	18.8	26.8	37.0	49.0
-60°	1.4	1.4	1.4	2.7	4.7	8.2	12.8	17.9	25.1	34.7	45.9
-62.5°	1.4	1.4	1.4	2.5	4.5	7.5	11.8	16.7	23.0	31.9	42.3
-65°	1.4	1.4	1.4	2.4	4.2	6.7	10.6	15.2	20.5	28.3	38.3
-67.5°	1.4	1.4	1.4	2.2	3.9	6.0	9.3	13.3	17.6	24.1	32.9
-70°	1.4	1.4	1.4	2.0	3.5	5.5	7.9	11.3	15.1	19.5	26.6
-72.5°	1.4	1.4	1.4	2.0	3.1	4.9	7.0	9.2	12.4	16.1	20.4
-75°	1.4	1.4	1.4	1.9	2.7	4.2	6.1	7.8	9.7	12.7	16.2
-77.5°	1.4	1.4	1.4	1.9	2.6	3.6	5.1	6.6	8.0	9.6	11.8
-80°	1.4	1.4	1.4	1.9	2.5	3.2	4.2	5.3	6.5	7.7	9.1
-82.5°	1.4	1.4	1.4	1.8	2.4	3.0	3.8	4.3	4.9	5.9	6.9
-85°	1.4	1.4	1.4	1.8	2.3	2.8	3.4	3.9	4.3	4.8	5.3
-87.5°	1.4	1.4	1.4	1.8	2.2	2.6	3.1	3.5	3.9	4.3	4.7
-90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.0	0.7	0.3	0.0



REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.5	4.8	5.2
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°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.9	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.8	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.2	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.8	0.9	0.6	0.2	0.0	0.1	0.2	0.1	0.0	0.1	0.2
67.5°	1.3	1.0	0.6	0.4	0.5	0.7	0.7	0.7	0.8	0.8	0.7
65°	1.4	1.0	1.0	1.2	1.4	1.5	1.6	1.7	1.5	1.3	1.3
62.5°	1.5	1.6	1.8	2.0	2.2	2.4	2.4	2.1	1.6	2.0	2.3
60°	2.0	2.2	2.5	2.8	3.0	3.2	3.1	3.1	3.5	4.0	7.7
57.5°	2.7	2.9	3.3	3.7	4.1	4.1	4.3	4.6	10.9	17.7	19.6
55°	3.4	3.6	4.2	4.8	5.2	5.2	7.5	15.8	23.9	33.1	36.5
52.5°	4.1	4.4	5.4	6.2	6.8	10.6	19.0	30.3	42.2	52.8	66.4
50°	4.9	5.8	6.8	8.0	12.9	22.7	35.1	50.5	68.4	85.3	102.6
47.5°	6.1	7.3	8.8	12.7	25.4	39.0	56.2	81.0	103.1	123.5	147.2
45°	7.5	10.1	11.8	25.2	39.9	57.5	86.5	116.9	136.9	164.3	206.2
42.5°	9.0	14.0	22.6	38.1	56.0	84.5	120.4	146.2	172.9	217.2	261.3
40°	12.9	18.8	34.1	52.5	75.2	116.7	153.6	182.9	219.3	268.4	314.5
37.5°	17.8	28.7	45.8	67.9	105.4	150.9	190.3	232.1	274.0	320.4	405.7
35°	23.1	37.8	60.7	90.5	135.5	188.7	235.8	282.5	330.7	421.9	506.7
32.5°	30.1	46.3	76.2	116.7	168.1	226.5	281.1	335.1	412.5	515.8	600.9
30°	37.6	59.9	94.1	141.0	198.8	261.1	326.8	392.1	494.7	580.1	672.4
27.5°	45.4	74.2	115.1	166.4	227.5	293.8	367.9	461.1	552.6	636.9	738.4
25°	53.5	89.1	134.2	190.6	255.8	329.1	414.4	527.9	599.4	692.7	798.5
22.5°	63.8	103.4	153.2	212.6	282.0	365.4	474.2	588.1	672.3	750.7	854.2
20°	75.7	119.5	173.9	240.1	307.7	400.8	533.6	653.5	752.4	842.3	937.3
17.5°	86.9	134.5	195.9	268.3	345.1	446.2	591.9	724.6	833.5	933.6	1052.2
15°	97.2	148.4	217.6	294.9	381.8	498.3	644.2	789.9	914.3	1026.9	1161.7
12.5°	106.6	161.1	238.4	319.8	416.4	543.1	688.1	830.3	967.0	1113.8	1266.8
10°	115.1	172.5	258.1	342.8	448.4	581.1	724.4	864.0	1002.0	1157.3	1327.2
7.5°	124.3	183.2	276.0	363.7	477.6	612.4	753.4	891.1	1030.2	1192.1	1366.5
5°	132.7	193.0	290.2	378.7	500.1	636.8	775.2	911.6	1051.7	1218.0	1396.3
2.5°	140.1	201.3	301.8	390.5	516.9	654.8	789.4	928.7	1067.5	1239.0	1419.0
0°	146.4	208.0	310.6	399.5	529.5	667.7	797.7	940.0	1076.8	1253.3	1433.9
-2.5°	150.4	219.0	316.7	415.3	540.5	676.1	805.2	943.1	1086.8	1257.8	1450.7
-5°	153.3	227.8	320.3	427.4	547.8	679.9	807.6	940.7	1089.4	1256.7	1453.2
-7.5°	154.9	234.1	322.1	434.3	550.3	677.6	803.5	936.1	1085.1	1252.4	1442.3
-10°	155.9	236.1	324.4	432.2	547.0	670.3	794.2	925.2	1072.7	1238.4	1421.7
-12.5°	158.4	234.8	324.0	427.6	539.8	659.2	780.5	908.0	1052.0	1214.5	1393.1
-15°	159.1	232.0	320.1	420.8	528.8	644.7	762.5	884.4	1026.5	1191.2	1361.5
-17.5°	157.6	227.8	312.5	412.2	514.0	627.2	741.4	863.1	1002.6	1164.4	1328.4
-20°	154.0	222.2	301.0	402.0	496.5	607.6	720.2	840.8	975.1	1127.2	1291.3

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	148.0	215.6	288.6	387.8	481.4	585.2	695.3	810.5	940.6	1078.9	1241.5
-25°	141.8	208.0	278.9	368.2	463.3	559.0	666.8	773.3	900.1	1036.0	1180.2
-27.5°	135.9	197.5	268.7	346.8	441.9	531.0	634.5	738.5	854.6	987.8	1120.6
-30°	128.2	186.2	256.3	326.1	416.4	504.7	598.5	700.8	805.3	931.7	1062.3
-32.5°	121.4	174.4	242.2	310.4	388.9	475.1	559.7	657.2	759.2	866.9	996.0
-35°	116.9	167.4	227.3	292.3	360.9	442.9	523.3	608.0	706.8	807.9	921.2
-37.5°	113.2	159.4	211.6	273.4	338.7	409.0	484.4	562.3	648.5	750.4	857.0
-40°	107.4	150.3	199.9	255.4	312.9	376.9	446.9	517.4	592.1	691.7	796.9
-42.5°	100.0	141.6	188.9	235.8	288.4	346.8	409.0	475.4	547.2	633.6	730.3
-45°	94.3	130.4	176.7	218.7	262.2	315.6	374.0	434.2	501.9	576.1	662.9
-47.5°	87.1	118.2	160.7	199.9	238.3	283.9	337.3	394.3	454.2	521.1	592.2
-50°	79.4	108.0	141.2	179.4	216.0	253.9	299.4	352.1	406.5	464.8	528.3
-52.5°	73.5	96.2	126.4	158.2	193.1	227.5	266.2	311.4	360.0	408.8	464.6
-55°	66.9	87.5	112.4	140.9	170.6	202.4	237.7	277.2	316.8	361.6	406.2
-57.5°	62.2	79.1	100.6	125.4	152.1	179.1	212.5	245.9	282.6	319.6	356.6
-60°	58.5	71.8	89.7	111.5	135.3	160.6	187.9	218.8	250.4	280.6	312.5
-62.5°	54.4	65.9	79.9	97.7	119.1	141.1	165.2	191.7	220.2	245.7	270.5
-65°	48.9	59.0	71.0	85.5	102.3	120.9	141.4	163.7	188.4	209.1	229.3
-67.5°	42.7	51.2	61.3	73.1	87.2	101.7	116.7	135.6	155.6	172.5	189.0
-70°	34.9	42.7	51.0	60.6	71.7	84.0	97.2	110.9	124.6	138.4	153.4
-72.5°	26.7	33.8	40.8	47.7	56.5	66.6	77.4	88.9	100.8	112.6	124.1
-75°	20.4	25.0	31.1	37.3	43.4	50.0	57.3	66.4	77.5	89.0	99.4
-77.5°	15.4	19.2	23.3	27.6	31.4	36.3	41.6	47.2	56.4	67.0	77.6
-80°	11.1	13.4	16.6	20.1	22.8	25.5	28.2	31.1	37.9	46.5	55.5
-82.5°	8.2	9.8	11.6	13.6	15.0	16.3	17.8	19.7	24.8	30.5	36.6
-85°	5.7	6.1	7.1	8.2	9.0	9.7	10.5	11.3	14.1	17.1	20.4
-87.5°	4.9	5.1	5.4	5.6	5.7	5.8	5.9	6.0	6.9	7.9	8.9
-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: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.5	5.8	6.2	6.5	6.8	7.2	7.5	7.9	8.2	8.2	8.2
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°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.6	0.7	0.7	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.5	1.4	1.0	0.7	0.3	0.5	0.8	1.0	1.0	0.9	0.7
62.5°	2.2	2.0	1.8	2.1	2.5	2.8	2.7	2.6	2.4	2.3	2.4
60°	8.1	5.4	6.2	7.8	7.3	5.0	8.2	9.3	7.9	5.4	5.2
57.5°	20.5	19.8	22.7	33.1	36.5	33.2	39.7	48.2	47.9	41.3	41.1
55°	43.7	58.6	76.7	79.6	92.1	117.3	136.8	128.2	128.2	134.6	155.4
52.5°	83.0	97.1	102.4	116.4	142.6	161.6	173.8	186.4	200.3	214.5	228.8
50°	121.8	135.5	151.0	165.3	201.6	221.2	217.9	244.1	277.7	298.6	309.4
47.5°	178.7	200.2	233.0	284.5	311.6	331.1	355.5	385.1	423.6	475.7	515.9
45°	245.6	279.5	330.3	384.9	427.0	446.1	474.0	519.9	581.2	640.9	684.5
42.5°	300.3	346.8	404.1	456.3	490.6	522.1	558.2	596.9	667.1	730.9	781.2
40°	371.7	407.9	472.2	521.5	552.2	583.3	640.5	698.5	764.5	823.9	865.2
37.5°	462.2	503.0	569.9	625.5	655.1	666.1	763.3	844.1	897.8	973.6	998.4
35°	559.5	626.6	711.8	783.9	812.9	870.8	970.9	1083.6	1205.8	1250.7	1289.0
32.5°	667.9	750.7	866.3	943.8	985.2	1072.9	1199.6	1320.0	1479.7	1566.3	1592.3
30°	767.1	862.2	961.6	1036.9	1107.5	1213.2	1328.8	1477.2	1624.8	1735.7	1770.1
27.5°	840.0	945.2	1040.7	1111.2	1190.9	1304.8	1449.0	1599.2	1744.2	1857.3	1897.5
25°	909.5	1028.4	1104.0	1185.9	1279.6	1403.8	1563.5	1730.4	1873.2	1968.8	2018.1
22.5°	988.6	1105.8	1186.9	1256.3	1378.8	1521.9	1670.2	1858.8	2010.1	2086.4	2139.8
20°	1070.2	1202.8	1328.2	1392.8	1498.7	1679.9	1845.9	2024.0	2170.0	2249.5	2305.8
17.5°	1184.1	1353.1	1506.8	1598.3	1711.7	1928.4	2135.5	2315.6	2518.8	2590.6	2659.4
15°	1304.2	1499.7	1679.9	1824.8	1971.3	2186.0	2452.5	2669.9	2901.8	3005.4	3122.5
12.5°	1423.9	1608.9	1772.1	1959.0	2165.6	2355.4	2609.3	2880.0	3090.4	3222.5	3301.3
10°	1513.3	1685.1	1842.2	2029.6	2235.8	2450.5	2702.8	2980.2	3200.5	3313.2	3377.5
7.5°	1561.6	1726.1	1891.8	2081.6	2286.9	2515.6	2775.5	3050.8	3276.0	3385.2	3448.7
5°	1597.5	1755.4	1927.0	2126.9	2334.4	2566.3	2825.8	3097.9	3303.2	3419.3	3499.6
2.5°	1619.2	1774.0	1949.5	2156.1	2364.1	2605.7	2877.7	3159.7	3339.4	3432.8	3506.6
0°	1625.5	1781.5	1962.1	2171.4	2384.9	2628.4	2897.9	3177.1	3359.0	3449.3	3524.6
-2.5°	1632.6	1793.1	1978.7	2181.4	2393.0	2635.9	2910.9	3183.0	3346.7	3437.8	3509.4
-5°	1627.7	1794.0	1979.0	2173.1	2386.2	2627.1	2891.2	3145.5	3316.8	3415.2	3486.5
-7.5°	1612.9	1781.7	1964.8	2151.3	2360.3	2603.9	2867.0	3111.8	3285.3	3389.2	3467.1
-10°	1591.5	1755.3	1939.7	2128.6	2335.1	2567.0	2826.0	3069.4	3235.4	3345.7	3436.5
-12.5°	1567.7	1728.2	1905.9	2087.1	2291.3	2520.3	2771.2	3001.7	3166.7	3287.0	3351.9
-15°	1532.5	1692.9	1862.7	2038.0	2237.1	2459.3	2699.0	2920.1	3082.1	3180.0	3251.7
-17.5°	1487.7	1645.1	1806.1	1972.4	2159.9	2378.7	2619.9	2837.9	2970.1	3057.5	3127.9
-20°	1439.8	1585.3	1737.9	1894.7	2076.5	2293.3	2530.1	2720.3	2844.8	2928.8	2995.3



REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1385.0	1525.1	1664.8	1814.8	1993.0	2191.7	2400.9	2584.7	2718.6	2795.1	2856.6
-25°	1322.5	1458.8	1591.4	1736.2	1900.0	2078.7	2273.2	2453.8	2573.7	2655.0	2716.0
-27.5°	1255.2	1383.3	1512.8	1642.8	1790.1	1968.1	2148.2	2316.0	2418.4	2500.3	2561.7
-30°	1188.0	1303.2	1423.0	1546.1	1684.3	1844.8	2013.3	2154.4	2262.4	2341.9	2398.9
-32.5°	1115.2	1224.5	1330.7	1445.7	1575.8	1717.3	1865.1	1999.3	2114.7	2187.6	2235.6
-35°	1040.5	1146.4	1243.6	1348.0	1462.7	1584.8	1721.3	1853.7	1967.6	2025.3	2072.0
-37.5°	962.8	1068.3	1160.5	1247.8	1346.6	1459.6	1592.6	1718.9	1817.3	1866.9	1909.0
-40°	895.3	988.2	1071.1	1154.6	1235.0	1335.4	1459.4	1581.7	1660.7	1709.0	1748.2
-42.5°	829.7	908.1	976.0	1050.8	1131.3	1230.2	1330.3	1432.8	1496.3	1549.9	1591.2
-45°	753.3	823.3	887.0	949.3	1022.6	1113.0	1203.9	1286.0	1345.5	1397.3	1437.5
-47.5°	668.8	736.4	798.3	854.0	922.1	997.5	1074.0	1142.3	1201.1	1252.3	1288.1
-50°	590.0	650.5	710.9	767.2	826.3	887.3	949.4	1009.3	1065.0	1114.8	1145.3
-52.5°	519.5	575.2	628.0	677.3	729.0	780.5	831.9	886.8	938.1	985.2	1009.6
-55°	455.7	505.9	553.5	595.0	636.5	677.4	721.5	772.2	819.4	863.1	880.5
-57.5°	398.4	441.4	483.5	518.6	552.5	585.0	623.7	666.5	707.8	745.2	759.5
-60°	345.7	379.8	415.1	446.2	475.7	503.6	537.3	571.8	605.3	633.5	645.7
-62.5°	297.2	326.4	353.1	378.4	403.4	428.5	455.8	483.1	510.2	531.9	542.9
-65°	250.5	273.7	295.2	316.0	336.2	357.3	378.6	399.4	419.4	434.9	444.4
-67.5°	206.6	224.3	241.3	257.5	274.4	291.5	308.2	324.1	339.1	351.1	360.2
-70°	167.7	181.4	194.7	208.1	222.2	235.5	248.1	260.0	271.2	279.9	286.9
-72.5°	135.2	146.3	157.8	169.9	181.3	191.2	200.2	208.9	217.3	222.2	225.8
-75°	109.0	118.4	128.4	138.1	147.7	155.2	161.8	168.2	174.4	174.7	173.5
-77.5°	88.1	96.4	104.2	111.9	119.4	124.1	128.2	132.3	136.6	134.1	130.3
-80°	64.7	71.6	78.2	84.8	91.4	94.2	96.1	97.7	99.1	95.9	92.0
-82.5°	42.9	47.3	51.6	55.9	60.3	62.1	63.4	64.5	65.3	62.4	59.1
-85°	23.9	26.0	28.1	30.2	32.2	33.5	34.6	35.7	36.6	34.9	32.9
-87.5°	9.9	10.4	10.9	11.3	11.8	12.2	12.7	13.1	13.5	13.6	13.6
-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: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9
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°	0.4	0.1	0.0	0.0	0.0	0.1	0.4	0.7	0.9	1.0	1.0
62.5°	2.5	2.6	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.4	2.6
60°	4.8	4.2	4.1	4.1	4.1	4.2	4.8	5.2	5.4	7.9	9.3
57.5°	37.9	32.5	33.3	36.9	33.3	32.5	37.9	41.1	41.3	47.9	48.2
55°	177.3	197.9	205.2	201.1	205.2	197.9	177.3	155.4	134.6	128.2	128.2
52.5°	240.1	248.6	251.9	251.8	251.9	248.6	240.1	228.8	214.5	200.3	186.4
50°	312.6	309.8	305.4	301.0	305.4	309.8	312.6	309.4	298.6	277.7	244.1
47.5°	521.7	512.7	508.9	515.8	508.9	512.7	521.7	515.9	475.7	423.6	385.1
45°	693.4	703.9	711.9	711.5	711.9	703.9	693.4	684.5	640.9	581.2	519.9
42.5°	791.1	796.7	798.4	796.3	798.4	796.7	791.1	781.2	730.9	667.1	596.9
40°	878.1	884.9	888.7	892.1	888.7	884.9	878.1	865.2	823.9	764.5	698.5
37.5°	1006.5	1009.0	1003.6	1000.2	1003.6	1009.0	1006.5	998.4	973.6	897.8	844.1
35°	1321.3	1327.7	1312.8	1328.6	1312.8	1327.7	1321.3	1289.0	1250.7	1205.8	1083.6
32.5°	1623.1	1653.3	1677.8	1698.0	1677.8	1653.3	1623.1	1592.3	1566.3	1479.7	1320.0
30°	1794.1	1813.6	1824.0	1826.6	1824.0	1813.6	1794.1	1770.1	1735.7	1624.8	1477.2
27.5°	1919.6	1940.1	1952.8	1962.1	1952.8	1940.1	1919.6	1897.5	1857.3	1744.2	1599.2
25°	2040.6	2059.3	2072.1	2077.0	2072.1	2059.3	2040.6	2018.1	1968.8	1873.2	1730.4
22.5°	2166.2	2179.2	2191.4	2197.4	2191.4	2179.2	2166.2	2139.8	2086.4	2010.1	1858.8
20°	2346.2	2339.1	2350.3	2346.5	2350.3	2339.1	2346.2	2305.8	2249.5	2170.0	2024.0
17.5°	2713.0	2716.8	2724.2	2736.5	2724.2	2716.8	2713.0	2659.4	2590.6	2518.8	2315.6
15°	3174.3	3183.5	3230.7	3272.8	3230.7	3183.5	3174.3	3122.5	3005.4	2901.8	2669.9
12.5°	3374.4	3406.5	3411.5	3423.4	3411.5	3406.5	3374.4	3301.3	3222.5	3090.4	2880.0
10°	3441.2	3496.8	3495.6	3509.6	3495.6	3496.8	3441.2	3377.5	3313.2	3200.5	2980.2
7.5°	3491.8	3551.5	3576.8	3587.5	3576.8	3551.5	3491.8	3448.7	3385.2	3276.0	3050.8
5°	3553.7	3586.5	3630.1	3617.6	3630.1	3586.5	3553.7	3499.6	3419.3	3303.2	3097.9
2.5°	3579.6	3631.1	3619.2	3631.3	3619.2	3631.1	3579.6	3506.6	3432.8	3339.4	3159.7
0°	3597.1	3634.1	3639.5	3651.8	3639.5	3634.1	3597.1	3524.6	3449.3	3359.0	3177.1
-2.5°	3575.9	3608.4	3665.4	3647.7	3665.4	3608.4	3575.9	3509.4	3437.8	3346.7	3183.0
-5°	3557.3	3637.3	3606.3	3645.0	3606.3	3637.3	3557.3	3486.5	3415.2	3316.8	3145.5
-7.5°	3547.6	3562.0	3582.6	3612.2	3582.6	3562.0	3547.6	3467.1	3389.2	3285.3	3111.8
-10°	3473.4	3488.1	3526.0	3546.5	3526.0	3488.1	3473.4	3436.5	3345.7	3235.4	3069.4
-12.5°	3392.9	3421.2	3461.1	3474.0	3461.1	3421.2	3392.9	3351.9	3287.0	3166.7	3001.7
-15°	3300.1	3342.2	3381.0	3389.1	3381.0	3342.2	3300.1	3251.7	3180.0	3082.1	2920.1
-17.5°	3182.1	3232.6	3273.4	3282.4	3273.4	3232.6	3182.1	3127.9	3057.5	2970.1	2837.9
-20°	3052.1	3100.5	3135.2	3145.6	3135.2	3100.5	3052.1	2995.3	2928.8	2844.8	2720.3



REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2913.0	2956.5	2985.8	2981.4	2985.8	2956.5	2913.0	2856.6	2795.1	2718.6	2584.7
-25°	2765.2	2805.6	2833.5	2829.5	2833.5	2805.6	2765.2	2716.0	2655.0	2573.7	2453.8
-27.5°	2609.0	2647.2	2674.1	2674.9	2674.1	2647.2	2609.0	2561.7	2500.3	2418.4	2316.0
-30°	2444.8	2479.6	2501.4	2492.9	2501.4	2479.6	2444.8	2398.9	2341.9	2262.4	2154.4
-32.5°	2275.5	2307.0	2327.0	2332.9	2327.0	2307.0	2275.5	2235.6	2187.6	2114.7	1999.3
-35°	2108.5	2136.2	2153.5	2157.7	2153.5	2136.2	2108.5	2072.0	2025.3	1967.6	1853.7
-37.5°	1942.6	1966.4	1978.4	1973.0	1978.4	1966.4	1942.6	1909.0	1866.9	1817.3	1718.9
-40°	1778.6	1801.3	1815.1	1818.4	1815.1	1801.3	1778.6	1748.2	1709.0	1660.7	1581.7
-42.5°	1617.4	1636.3	1648.4	1654.2	1648.4	1636.3	1617.4	1591.2	1549.9	1496.3	1432.8
-45°	1460.9	1477.8	1489.2	1495.5	1489.2	1477.8	1460.9	1437.5	1397.3	1345.5	1286.0
-47.5°	1308.7	1323.5	1333.3	1338.1	1333.3	1323.5	1308.7	1288.1	1252.3	1201.1	1142.3
-50°	1163.2	1176.0	1185.1	1190.4	1185.1	1176.0	1163.2	1145.3	1114.8	1065.0	1009.3
-52.5°	1025.1	1036.3	1044.1	1048.1	1044.1	1036.3	1025.1	1009.6	985.2	938.1	886.8
-55°	893.3	902.4	909.6	914.0	909.6	902.4	893.3	880.5	863.1	819.4	772.2
-57.5°	770.3	777.8	784.6	789.5	784.6	777.8	770.3	759.5	745.2	707.8	666.5
-60°	655.3	662.3	668.1	671.8	668.1	662.3	655.3	645.7	633.5	605.3	571.8
-62.5°	551.4	557.6	563.0	566.5	563.0	557.6	551.4	542.9	531.9	510.2	483.1
-65°	451.9	457.5	461.4	463.8	461.4	457.5	451.9	444.4	434.9	419.4	399.4
-67.5°	368.0	374.4	375.7	374.9	375.7	374.4	368.0	360.2	351.1	339.1	324.1
-70°	293.1	298.5	299.8	299.6	299.8	298.5	293.1	286.9	279.9	271.2	260.0
-72.5°	229.2	232.2	229.7	225.8	229.7	232.2	229.2	225.8	222.2	217.3	208.9
-75°	172.0	170.1	167.4	164.2	167.4	170.1	172.0	173.5	174.7	174.4	168.2
-77.5°	126.0	121.3	118.2	114.9	118.2	121.3	126.0	130.3	134.1	136.6	132.3
-80°	87.7	83.2	80.0	76.6	80.0	83.2	87.7	92.0	95.9	99.1	97.7
-82.5°	55.6	51.8	49.9	47.9	49.9	51.8	55.6	59.1	62.4	65.3	64.5
-85°	30.8	28.6	27.3	26.0	27.3	28.6	30.8	32.9	34.9	36.6	35.7
-87.5°	13.7	13.7	13.0	12.3	13.0	13.7	13.7	13.6	13.6	13.5	13.1
-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: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.5	7.2	6.8	6.5	6.2	5.8	5.5	5.2	4.8	4.5	4.1
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	0.1	0.2	0.1	0.0	0.1
67.5°	0.0	0.0	0.2	0.6	0.7	0.7	0.6	0.7	0.8	0.8	0.7
65°	0.8	0.5	0.3	0.7	1.0	1.4	1.5	1.3	1.3	1.5	1.7
62.5°	2.7	2.8	2.5	2.1	1.8	2.0	2.2	2.3	2.0	1.6	2.1
60°	8.2	5.0	7.3	7.8	6.2	5.4	8.1	7.7	4.0	3.5	3.1
57.5°	39.7	33.2	36.5	33.1	22.7	19.8	20.5	19.6	17.7	10.9	4.6
55°	136.8	117.3	92.1	79.6	76.7	58.6	43.7	36.5	33.1	23.9	15.8
52.5°	173.8	161.6	142.6	116.4	102.4	97.1	83.0	66.4	52.8	42.2	30.3
50°	217.9	221.2	201.6	165.3	151.0	135.5	121.8	102.6	85.3	68.4	50.5
47.5°	355.5	331.1	311.6	284.5	233.0	200.2	178.7	147.2	123.5	103.1	81.0
45°	474.0	446.1	427.0	384.9	330.3	279.5	245.6	206.2	164.3	136.9	116.9
42.5°	558.2	522.1	490.6	456.3	404.1	346.8	300.3	261.3	217.2	172.9	146.2
40°	640.5	583.3	552.2	521.5	472.2	407.9	371.7	314.5	268.4	219.3	182.9
37.5°	763.3	666.1	655.1	625.5	569.9	503.0	462.2	405.7	320.4	274.0	232.1
35°	970.9	870.8	812.9	783.9	711.8	626.6	559.5	506.7	421.9	330.7	282.5
32.5°	1199.6	1072.9	985.2	943.8	866.3	750.7	667.9	600.9	515.8	412.5	335.1
30°	1328.8	1213.2	1107.5	1036.9	961.6	862.2	767.1	672.4	580.1	494.7	392.1
27.5°	1449.0	1304.8	1190.9	1111.2	1040.7	945.2	840.0	738.4	636.9	552.6	461.1
25°	1563.5	1403.8	1279.6	1185.9	1104.0	1028.4	909.5	798.5	692.7	599.4	527.9
22.5°	1670.2	1521.9	1378.8	1256.3	1186.9	1105.8	988.6	854.2	750.7	672.3	588.1
20°	1845.9	1679.9	1498.7	1392.8	1328.2	1202.8	1070.2	937.3	842.3	752.4	653.5
17.5°	2135.5	1928.4	1711.7	1598.3	1506.8	1353.1	1184.1	1052.2	933.6	833.5	724.6
15°	2452.5	2186.0	1971.3	1824.8	1679.9	1499.7	1304.2	1161.7	1026.9	914.3	789.9
12.5°	2609.3	2355.4	2165.6	1959.0	1772.1	1608.9	1423.9	1266.8	1113.8	967.0	830.3
10°	2702.8	2450.5	2235.8	2029.6	1842.2	1685.1	1513.3	1327.2	1157.3	1002.0	864.0
7.5°	2775.5	2515.6	2286.9	2081.6	1891.8	1726.1	1561.6	1366.5	1192.1	1030.2	891.1
5°	2825.8	2566.3	2334.4	2126.9	1927.0	1755.4	1597.5	1396.3	1218.0	1051.7	911.6
2.5°	2877.7	2605.7	2364.1	2156.1	1949.5	1774.0	1619.2	1419.0	1239.0	1067.5	928.7
0°	2897.9	2628.4	2384.9	2171.4	1962.1	1781.5	1625.5	1433.9	1253.3	1076.8	940.0
-2.5°	2910.9	2635.9	2393.0	2181.4	1978.7	1793.1	1632.6	1450.7	1257.8	1086.8	943.1
-5°	2891.2	2627.1	2386.2	2173.1	1979.0	1794.0	1627.7	1453.2	1256.7	1089.4	940.7
-7.5°	2867.0	2603.9	2360.3	2151.3	1964.8	1781.7	1612.9	1442.3	1252.4	1085.1	936.1
-10°	2826.0	2567.0	2335.1	2128.6	1939.7	1755.3	1591.5	1421.7	1238.4	1072.7	925.2
-12.5°	2771.2	2520.3	2291.3	2087.1	1905.9	1728.2	1567.7	1393.1	1214.5	1052.0	908.0
-15°	2699.0	2459.3	2237.1	2038.0	1862.7	1692.9	1532.5	1361.5	1191.2	1026.5	884.4
-17.5°	2619.9	2378.7	2159.9	1972.4	1806.1	1645.1	1487.7	1328.4	1164.4	1002.6	863.1
-20°	2530.1	2293.3	2076.5	1894.7	1737.9	1585.3	1439.8	1291.3	1127.2	975.1	840.8



REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2400.9	2191.7	1993.0	1814.8	1664.8	1525.1	1385.0	1241.5	1078.9	940.6	810.5
-25°	2273.2	2078.7	1900.0	1736.2	1591.4	1458.8	1322.5	1180.2	1036.0	900.1	773.3
-27.5°	2148.2	1968.1	1790.1	1642.8	1512.8	1383.3	1255.2	1120.6	987.8	854.6	738.5
-30°	2013.3	1844.8	1684.3	1546.1	1423.0	1303.2	1188.0	1062.3	931.7	805.3	700.8
-32.5°	1865.1	1717.3	1575.8	1445.7	1330.7	1224.5	1115.2	996.0	866.9	759.2	657.2
-35°	1721.3	1584.8	1462.7	1348.0	1243.6	1146.4	1040.5	921.2	807.9	706.8	608.0
-37.5°	1592.6	1459.6	1346.6	1247.8	1160.5	1068.3	962.8	857.0	750.4	648.5	562.3
-40°	1459.4	1335.4	1235.0	1154.6	1071.1	988.2	895.3	796.9	691.7	592.1	517.4
-42.5°	1330.3	1230.2	1131.3	1050.8	976.0	908.1	829.7	730.3	633.6	547.2	475.4
-45°	1203.9	1113.0	1022.6	949.3	887.0	823.3	753.3	662.9	576.1	501.9	434.2
-47.5°	1074.0	997.5	922.1	854.0	798.3	736.4	668.8	592.2	521.1	454.2	394.3
-50°	949.4	887.3	826.3	767.2	710.9	650.5	590.0	528.3	464.8	406.5	352.1
-52.5°	831.9	780.5	729.0	677.3	628.0	575.2	519.5	464.6	408.8	360.0	311.4
-55°	721.5	677.4	636.5	595.0	553.5	505.9	455.7	406.2	361.6	316.8	277.2
-57.5°	623.7	585.0	552.5	518.6	483.5	441.4	398.4	356.6	319.6	282.6	245.9
-60°	537.3	503.6	475.7	446.2	415.1	379.8	345.7	312.5	280.6	250.4	218.8
-62.5°	455.8	428.5	403.4	378.4	353.1	326.4	297.2	270.5	245.7	220.2	191.7
-65°	378.6	357.3	336.2	316.0	295.2	273.7	250.5	229.3	209.1	188.4	163.7
-67.5°	308.2	291.5	274.4	257.5	241.3	224.3	206.6	189.0	172.5	155.6	135.6
-70°	248.1	235.5	222.2	208.1	194.7	181.4	167.7	153.4	138.4	124.6	110.9
-72.5°	200.2	191.2	181.3	169.9	157.8	146.3	135.2	124.1	112.6	100.8	88.9
-75°	161.8	155.2	147.7	138.1	128.4	118.4	109.0	99.4	89.0	77.5	66.4
-77.5°	128.2	124.1	119.4	111.9	104.2	96.4	88.1	77.6	67.0	56.4	47.2
-80°	96.1	94.2	91.4	84.8	78.2	71.6	64.7	55.5	46.5	37.9	31.1
-82.5°	63.4	62.1	60.3	55.9	51.6	47.3	42.9	36.6	30.5	24.8	19.7
-85°	34.6	33.5	32.2	30.2	28.1	26.0	23.9	20.4	17.1	14.1	11.3
-87.5°	12.7	12.2	11.8	11.3	10.9	10.4	9.9	8.9	7.9	6.9	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



REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.8	3.4	3.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4
82.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.4	0.4	0.2	0.0	0.1
80°	0.0	0.0	0.0	0.0	0.3	0.7	0.9	1.0	0.7	0.5	0.3
77.5°	0.0	0.0	0.0	0.0	0.1	0.4	0.8	1.3	1.3	1.0	0.7
75°	0.0	0.0	0.0	0.1	0.1	0.0	0.3	0.7	1.1	1.4	1.1
72.5°	0.0	0.0	0.0	0.2	0.4	0.4	0.2	0.2	0.8	1.2	1.4
70°	0.2	0.1	0.0	0.2	0.6	0.9	0.8	0.6	0.5	1.0	1.3
67.5°	0.7	0.7	0.5	0.4	0.6	1.0	1.3	1.2	1.1	0.9	1.3
65°	1.6	1.5	1.4	1.2	1.0	1.0	1.4	1.7	1.6	1.4	1.3
62.5°	2.4	2.4	2.2	2.0	1.8	1.6	1.5	1.9	2.1	1.8	1.6
60°	3.1	3.2	3.0	2.8	2.5	2.2	2.0	2.2	2.4	2.3	2.0
57.5°	4.3	4.1	4.1	3.7	3.3	2.9	2.7	2.7	2.7	2.7	2.3
55°	7.5	5.2	5.2	4.8	4.2	3.6	3.4	3.3	3.2	3.1	2.7
52.5°	19.0	10.6	6.8	6.2	5.4	4.4	4.1	4.0	3.8	3.6	3.1
50°	35.1	22.7	12.9	8.0	6.8	5.8	4.9	4.6	4.4	4.1	3.5
47.5°	56.2	39.0	25.4	12.7	8.8	7.3	6.1	5.2	4.9	4.6	3.9
45°	86.5	57.5	39.9	25.2	11.8	10.1	7.5	5.9	5.5	5.1	4.3
42.5°	120.4	84.5	56.0	38.1	22.6	14.0	9.0	7.1	6.0	5.6	4.7
40°	153.6	116.7	75.2	52.5	34.1	18.8	12.9	8.5	6.6	6.1	5.2
37.5°	190.3	150.9	105.4	67.9	45.8	28.7	17.8	9.9	7.5	6.7	5.7
35°	235.8	188.7	135.5	90.5	60.7	37.8	23.1	12.6	9.2	7.3	6.2
32.5°	281.1	226.5	168.1	116.7	76.2	46.3	30.1	18.0	11.2	7.9	6.7
30°	326.8	261.1	198.8	141.0	94.1	59.9	37.6	23.3	13.5	8.5	7.2
27.5°	367.9	293.8	227.5	166.4	115.1	74.2	45.4	28.4	16.1	9.6	7.7
25°	414.4	329.1	255.8	190.6	134.2	89.1	53.5	33.4	19.9	11.6	8.3
22.5°	474.2	365.4	282.0	212.6	153.2	103.4	63.8	40.0	24.0	13.7	8.8
20°	533.6	400.8	307.7	240.1	173.9	119.5	75.7	46.5	27.9	15.9	9.3
17.5°	591.9	446.2	345.1	268.3	195.9	134.5	86.9	53.0	31.6	18.1	9.8
15°	644.2	498.3	381.8	294.9	217.6	148.4	97.2	59.2	35.0	20.3	10.5
12.5°	688.1	543.1	416.4	319.8	238.4	161.1	106.6	65.2	38.2	22.8	11.5
10°	724.4	581.1	448.4	342.8	258.1	172.5	115.1	71.2	41.9	25.4	12.5
7.5°	753.4	612.4	477.6	363.7	276.0	183.2	124.3	77.5	45.6	27.9	13.5
5°	775.2	636.8	500.1	378.7	290.2	193.0	132.7	83.3	48.9	30.2	14.5
2.5°	789.4	654.8	516.9	390.5	301.8	201.3	140.1	88.5	52.0	32.3	15.5
0°	797.7	667.7	529.5	399.5	310.6	208.0	146.4	93.0	54.7	34.2	16.4
-2.5°	805.2	676.1	540.5	415.3	316.7	219.0	150.4	97.1	59.0	35.6	18.1
-5°	807.6	679.9	547.8	427.4	320.3	227.8	153.3	100.4	62.8	36.6	19.6
-7.5°	803.5	677.6	550.3	434.3	322.1	234.1	154.9	103.0	65.9	37.5	21.0
-10°	794.2	670.3	547.0	432.2	324.4	236.1	155.9	105.0	68.1	38.1	22.1
-12.5°	780.5	659.2	539.8	427.6	324.0	234.8	158.4	106.5	69.3	38.6	22.9
-15°	762.5	644.7	528.8	420.8	320.1	232.0	159.1	107.0	69.2	39.4	23.4
-17.5°	741.4	627.2	514.0	412.2	312.5	227.8	157.6	106.3	68.5	40.6	23.9
-20°	720.2	607.6	496.5	402.0	301.0	222.2	154.0	104.4	67.2	41.3	24.4

Classified

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

Scaled Data Report



REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	695.3	585.2	481.4	387.8	288.6	215.6	148.0	101.1	65.4	41.7	24.6
-25°	666.8	559.0	463.3	368.2	278.9	208.0	141.8	96.3	63.1	41.5	24.5
-27.5°	634.5	531.0	441.9	346.8	268.7	197.5	135.9	92.9	61.1	41.0	24.1
-30°	598.5	504.7	416.4	326.1	256.3	186.2	128.2	89.0	60.3	40.2	23.5
-32.5°	559.7	475.1	388.9	310.4	242.2	174.4	121.4	84.6	58.7	39.2	23.5
-35°	523.3	442.9	360.9	292.3	227.3	167.4	116.9	79.7	56.6	37.8	23.6
-37.5°	484.4	409.0	338.7	273.4	211.6	159.4	113.2	77.5	53.9	36.1	23.5
-40°	446.9	376.9	312.9	255.4	199.9	150.3	107.4	75.1	51.2	33.9	23.2
-42.5°	409.0	346.8	288.4	235.8	188.9	141.6	100.0	71.4	49.1	32.7	22.7
-45°	374.0	315.6	262.2	218.7	176.7	130.4	94.3	66.7	46.5	31.9	22.2
-47.5°	337.3	283.9	238.3	199.9	160.7	118.2	87.1	63.0	43.4	30.7	21.9
-50°	299.4	253.9	216.0	179.4	141.2	108.0	79.4	58.6	42.2	29.8	21.4
-52.5°	266.2	227.5	193.1	158.2	126.4	96.2	73.5	53.9	40.8	29.1	20.6
-55°	237.7	202.4	170.6	140.9	112.4	87.5	66.9	51.7	38.9	28.1	19.6
-57.5°	212.5	179.1	152.1	125.4	100.6	79.1	62.2	49.0	37.0	26.8	18.8
-60°	187.9	160.6	135.3	111.5	89.7	71.8	58.5	45.9	34.7	25.1	17.9
-62.5°	165.2	141.1	119.1	97.7	79.9	65.9	54.4	42.3	31.9	23.0	16.7
-65°	141.4	120.9	102.3	85.5	71.0	59.0	48.9	38.3	28.3	20.5	15.2
-67.5°	116.7	101.7	87.2	73.1	61.3	51.2	42.7	32.9	24.1	17.6	13.3
-70°	97.2	84.0	71.7	60.6	51.0	42.7	34.9	26.6	19.5	15.1	11.3
-72.5°	77.4	66.6	56.5	47.7	40.8	33.8	26.7	20.4	16.1	12.4	9.2
-75°	57.3	50.0	43.4	37.3	31.1	25.0	20.4	16.2	12.7	9.7	7.8
-77.5°	41.6	36.3	31.4	27.6	23.3	19.2	15.4	11.8	9.6	8.0	6.6
-80°	28.2	25.5	22.8	20.1	16.6	13.4	11.1	9.1	7.7	6.5	5.3
-82.5°	17.8	16.3	15.0	13.6	11.6	9.8	8.2	6.9	5.9	4.9	4.3
-85°	10.5	9.7	9.0	8.2	7.1	6.1	5.7	5.3	4.8	4.3	3.9
-87.5°	5.9	5.8	5.7	5.6	5.4	5.1	4.9	4.7	4.3	3.9	3.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0

Classified

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

Scaled Data Report



REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	2.7	2.4	2.1	1.7	1.4	1.4	1.4
87.5°	1.0	1.2	1.3	1.4	1.4	1.4	1.4
85°	0.7	0.9	1.2	1.3	1.4	1.4	1.4
82.5°	0.3	0.7	1.0	1.3	1.4	1.4	1.4
80°	0.1	0.5	0.9	1.2	1.4	1.4	1.4
77.5°	0.4	0.5	0.8	1.2	1.4	1.4	1.4
75°	0.8	0.7	0.8	1.2	1.4	1.4	1.4
72.5°	1.1	0.9	0.9	1.1	1.4	1.4	1.4
70°	1.4	1.1	1.0	1.1	1.4	1.4	1.4
67.5°	1.4	1.3	1.1	1.2	1.4	1.4	1.4
65°	1.5	1.4	1.2	1.2	1.4	1.4	1.4
62.5°	1.6	1.5	1.3	1.3	1.4	1.4	1.4
60°	1.6	1.7	1.4	1.3	1.4	1.4	1.4
57.5°	2.0	1.8	1.5	1.3	1.4	1.4	1.4
55°	2.3	1.9	1.7	1.4	1.4	1.4	1.4
52.5°	2.6	2.1	1.8	1.4	1.5	1.4	1.4
50°	3.0	2.4	1.9	1.4	1.5	1.4	1.4
47.5°	3.3	2.6	2.1	1.4	1.5	1.4	1.4
45°	3.6	2.9	2.2	1.5	1.6	1.4	1.4
42.5°	3.9	3.2	2.4	1.7	1.6	1.4	1.4
40°	4.2	3.4	2.6	1.8	1.6	1.4	1.4
37.5°	4.5	3.7	2.8	2.0	1.7	1.4	1.4
35°	4.8	3.9	3.0	2.2	1.8	1.4	1.4
32.5°	5.2	4.1	3.2	2.3	1.8	1.4	1.4
30°	5.6	4.4	3.3	2.5	1.9	1.4	1.4
27.5°	6.0	4.6	3.6	2.7	1.9	1.4	1.4
25°	6.4	4.8	3.8	2.8	2.0	1.4	1.4
22.5°	6.8	5.0	4.0	3.0	2.1	1.4	1.4
20°	7.1	5.2	4.2	3.1	2.2	1.4	1.4
17.5°	7.5	5.5	4.4	3.3	2.2	1.4	1.4
15°	7.9	5.7	4.6	3.4	2.3	1.4	1.4
12.5°	8.3	5.9	4.8	3.5	2.4	1.4	1.4
10°	8.6	6.1	4.9	3.7	2.4	1.4	1.4
7.5°	8.9	6.3	5.1	3.8	2.5	1.4	1.4
5°	9.2	6.5	5.2	3.9	2.6	1.4	1.4
2.5°	9.4	6.6	5.4	4.0	2.6	1.4	1.4
0°	9.6	6.8	5.5	4.1	2.7	1.4	1.4
-2.5°	10.1	6.9	5.6	4.1	2.7	1.4	1.4
-5°	10.6	7.1	5.7	4.1	2.7	1.4	1.4
-7.5°	11.0	7.2	5.8	4.1	2.7	1.4	1.4
-10°	11.4	7.3	5.8	4.0	2.7	1.4	1.4
-12.5°	11.7	7.4	5.9	4.0	2.6	1.4	1.4
-15°	11.8	7.5	5.9	4.0	2.6	1.4	1.4
-17.5°	11.9	7.5	5.9	3.9	2.6	1.4	1.4
-20°	12.2	7.6	5.8	3.8	2.5	1.4	1.4

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REPORT NUMBER: P626780 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.0	7.6	5.8	3.8	2.5	1.4	1.4
-25°	13.6	8.1	5.7	3.7	2.5	1.4	1.4
-27.5°	14.1	8.8	5.5	3.6	2.4	1.4	1.4
-30°	14.4	9.3	5.4	3.5	2.4	1.4	1.4
-32.5°	14.6	9.8	5.6	3.4	2.3	1.4	1.4
-35°	15.0	10.1	5.7	3.3	2.2	1.4	1.4
-37.5°	15.4	10.3	5.8	3.2	2.2	1.4	1.4
-40°	15.6	10.4	5.9	3.1	2.1	1.4	1.4
-42.5°	15.7	10.4	5.9	3.0	2.0	1.4	1.4
-45°	15.6	10.4	6.0	3.1	1.9	1.4	1.4
-47.5°	15.4	10.2	5.9	3.0	1.9	1.4	1.4
-50°	15.1	10.0	5.8	3.0	1.8	1.4	1.4
-52.5°	14.7	9.7	5.6	3.0	1.7	1.4	1.4
-55°	14.2	9.3	5.4	2.9	1.6	1.4	1.4
-57.5°	13.6	8.8	5.1	2.8	1.5	1.4	1.4
-60°	12.8	8.2	4.7	2.7	1.4	1.4	1.4
-62.5°	11.8	7.5	4.5	2.5	1.4	1.4	1.4
-65°	10.6	6.7	4.2	2.4	1.4	1.4	1.4
-67.5°	9.3	6.0	3.9	2.2	1.4	1.4	1.4
-70°	7.9	5.5	3.5	2.0	1.4	1.4	1.4
-72.5°	7.0	4.9	3.1	2.0	1.4	1.4	1.4
-75°	6.1	4.2	2.7	1.9	1.4	1.4	1.4
-77.5°	5.1	3.6	2.6	1.9	1.4	1.4	1.4
-80°	4.2	3.2	2.5	1.9	1.4	1.4	1.4
-82.5°	3.8	3.0	2.4	1.8	1.4	1.4	1.4
-85°	3.4	2.8	2.3	1.8	1.4	1.4	1.4
-87.5°	3.1	2.6	2.2	1.8	1.4	1.4	1.4
-90°	1.4	1.4	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)