

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: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626730 (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-SA1D-730-U-VWR-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

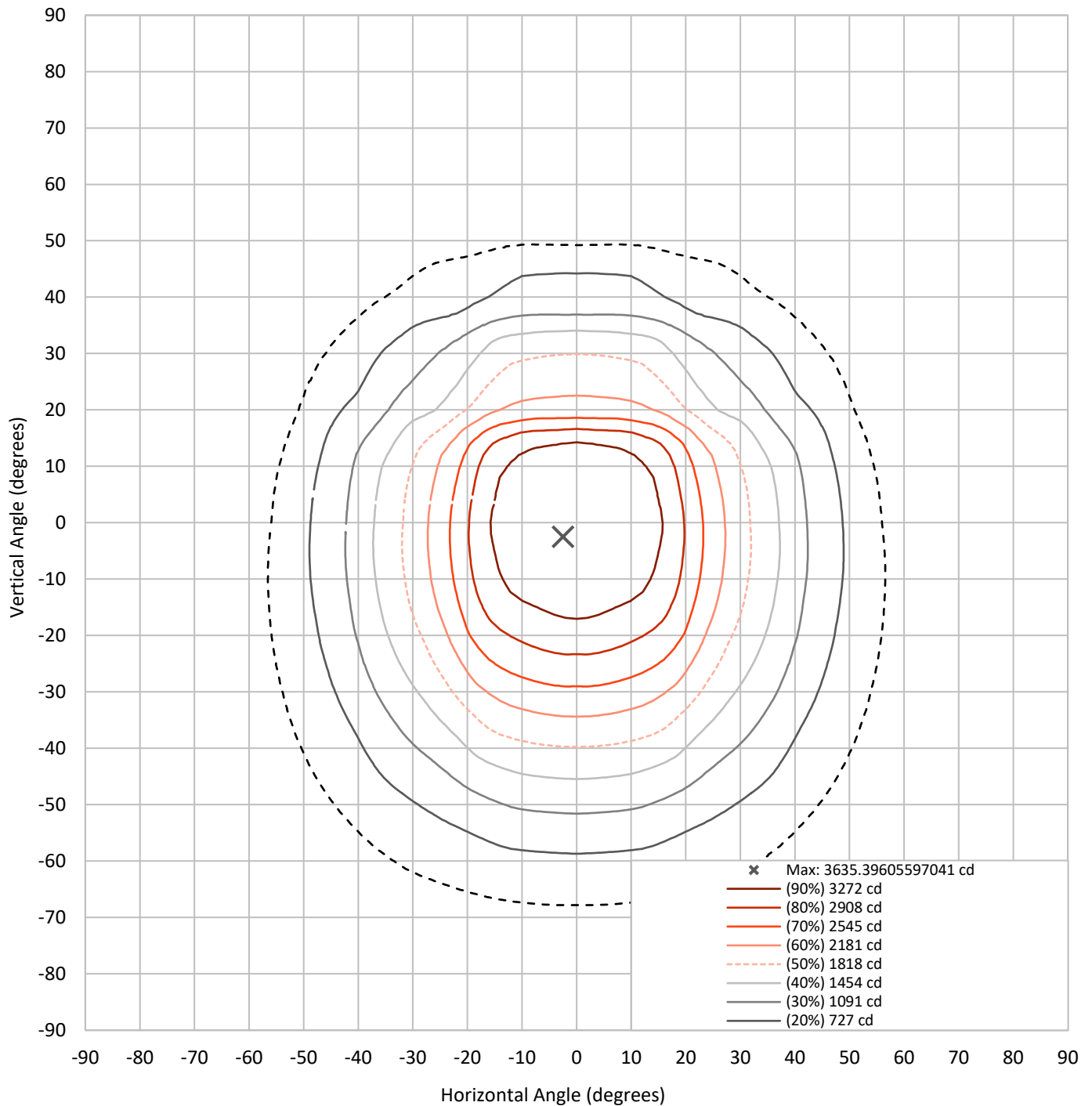
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	4851.6 lumens	Max Intensity:	3635.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	84.7 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	2807 lumens	Field Lumens:	4603.8 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	57.3		
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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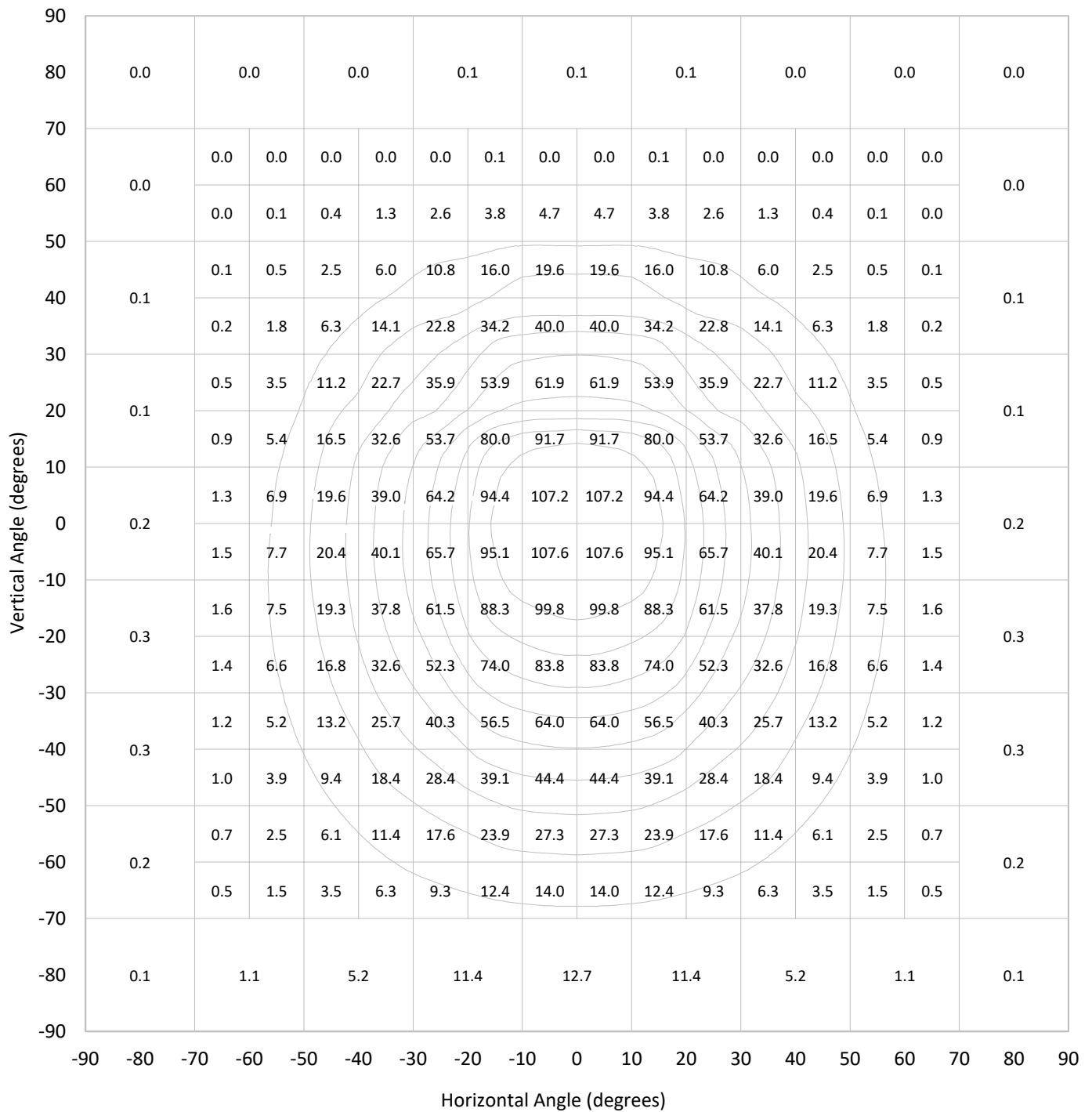
Iso-Candela Plot





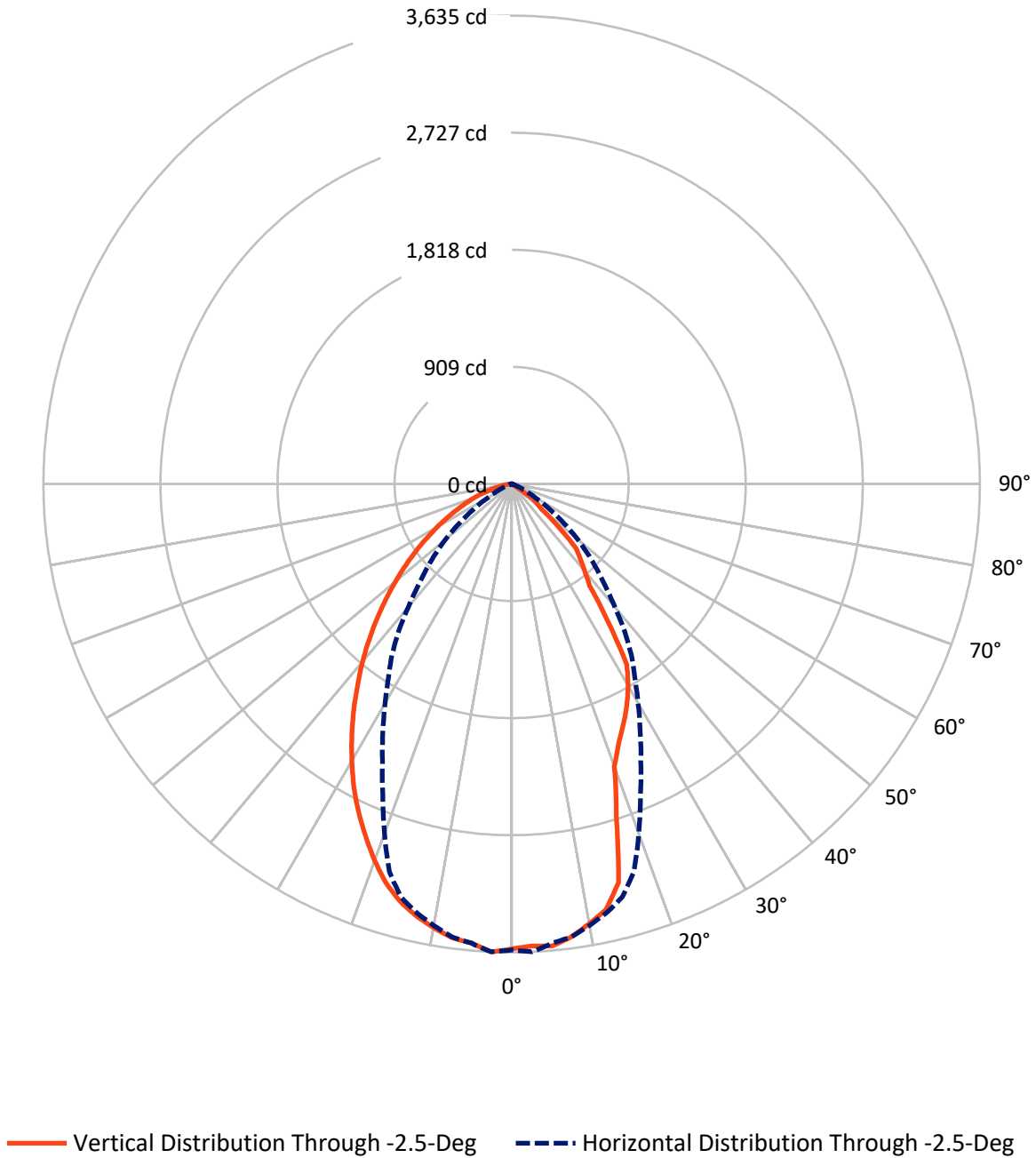
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Lumen Table



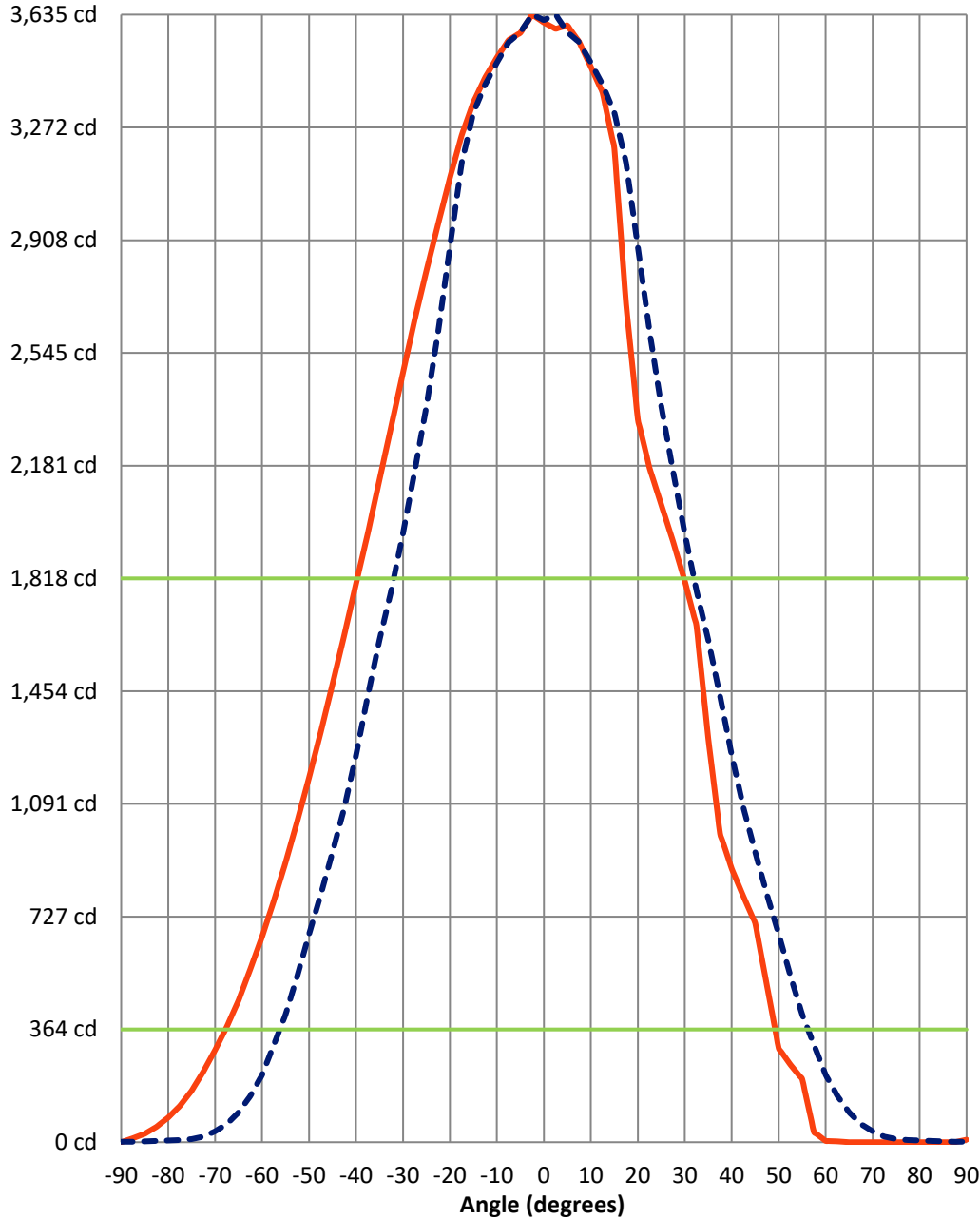
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 2807
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 4603.8
 Efficiency: 94.9%

Spill:
 Lumens: 247.7
 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	3.7	3.9
50°	1.4	1.4	1.5	1.4	1.9	2.4	3.0	3.5	4.0	4.3	4.6
47.5°	1.4	1.4	1.5	1.4	2.1	2.6	3.3	3.9	4.5	4.9	5.2
45°	1.4	1.4	1.6	1.5	2.2	2.9	3.6	4.3	5.0	5.4	5.9
42.5°	1.4	1.4	1.6	1.7	2.4	3.2	3.9	4.7	5.5	6.0	7.1
40°	1.4	1.4	1.6	1.8	2.6	3.4	4.2	5.1	6.0	6.6	8.5
37.5°	1.4	1.4	1.7	2.0	2.8	3.7	4.5	5.6	6.6	7.5	9.9
35°	1.4	1.4	1.8	2.2	3.0	3.9	4.8	6.1	7.2	9.2	12.6
32.5°	1.4	1.4	1.8	2.3	3.2	4.1	5.1	6.6	7.8	11.2	17.9
30°	1.4	1.4	1.9	2.5	3.3	4.3	5.5	7.1	8.5	13.5	23.1
27.5°	1.4	1.4	1.9	2.7	3.6	4.5	5.9	7.7	9.6	16.0	28.2
25°	1.4	1.4	2.0	2.8	3.8	4.7	6.3	8.2	11.6	19.7	33.1
22.5°	1.4	1.4	2.1	3.0	4.0	4.9	6.7	8.7	13.7	23.8	39.6
20°	1.4	1.4	2.2	3.1	4.2	5.2	7.1	9.3	15.8	27.7	46.1
17.5°	1.4	1.4	2.2	3.3	4.4	5.4	7.4	9.8	18.0	31.3	52.5
15°	1.4	1.4	2.3	3.4	4.5	5.6	7.8	10.5	20.2	34.8	58.7
12.5°	1.4	1.4	2.4	3.5	4.7	5.9	8.2	11.5	22.6	37.9	64.6
10°	1.4	1.4	2.4	3.7	4.9	6.1	8.5	12.4	25.2	41.6	70.6
7.5°	1.4	1.4	2.5	3.8	5.0	6.3	8.8	13.5	27.6	45.2	76.8
5°	1.4	1.4	2.6	3.9	5.2	6.5	9.1	14.4	29.9	48.6	82.6
2.5°	1.4	1.4	2.6	4.0	5.3	6.6	9.3	15.4	32.0	51.6	87.8
0°	1.4	1.4	2.7	4.1	5.4	6.8	9.5	16.3	33.9	54.3	92.3
-2.5°	1.4	1.4	2.7	4.1	5.4	6.8	9.5	16.3	33.9	54.3	92.3
-5°	1.4	1.4	2.7	4.1	5.6	7.1	10.5	19.5	36.4	62.3	99.7
-7.5°	1.4	1.4	2.7	4.1	5.7	7.2	10.9	20.8	37.2	65.4	102.2
-10°	1.4	1.4	2.7	4.0	5.8	7.3	11.3	21.9	37.8	67.6	104.1
-12.5°	1.4	1.4	2.6	4.0	5.8	7.4	11.6	22.7	38.3	68.8	105.6
-15°	1.4	1.4	2.6	4.0	5.9	7.4	11.7	23.2	39.1	68.7	106.1
-17.5°	1.4	1.4	2.6	3.9	5.8	7.5	11.8	23.7	40.2	68.0	105.5
-20°	1.4	1.4	2.5	3.8	5.8	7.5	12.1	24.2	41.0	66.7	103.5

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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	5.7	7.6	12.8	24.4	41.3	64.9	100.3
-25°	1.4	1.4	2.5	3.7	5.7	8.1	13.5	24.3	41.2	62.6	95.6
-27.5°	1.4	1.4	2.4	3.6	5.5	8.7	14.0	23.9	40.6	60.7	92.1
-30°	1.4	1.4	2.4	3.5	5.4	9.3	14.3	23.3	39.9	59.8	88.3
-32.5°	1.4	1.4	2.3	3.4	5.6	9.7	14.5	23.3	38.9	58.3	83.9
-35°	1.4	1.4	2.2	3.3	5.7	10.1	14.9	23.4	37.5	56.2	79.1
-37.5°	1.4	1.4	2.2	3.2	5.8	10.3	15.3	23.3	35.8	53.5	76.9
-40°	1.4	1.4	2.1	3.1	5.9	10.4	15.5	23.0	33.7	50.9	74.5
-42.5°	1.4	1.4	2.0	3.0	5.9	10.4	15.6	22.5	32.4	48.7	70.8
-45°	1.4	1.4	1.9	3.1	5.9	10.3	15.5	22.0	31.6	46.1	66.2
-47.5°	1.4	1.4	1.9	3.0	5.9	10.1	15.3	21.7	30.4	43.0	62.5
-50°	1.4	1.4	1.8	3.0	5.8	9.9	15.0	21.2	29.5	41.9	58.1
-52.5°	1.4	1.4	1.7	2.9	5.6	9.6	14.6	20.5	28.8	40.4	53.5
-55°	1.4	1.4	1.6	2.9	5.3	9.2	14.0	19.5	27.9	38.6	51.2
-57.5°	1.4	1.4	1.5	2.8	5.0	8.7	13.4	18.7	26.6	36.6	48.6
-60°	1.4	1.4	1.4	2.7	4.7	8.1	12.7	17.8	24.9	34.4	45.5
-62.5°	1.4	1.4	1.4	2.5	4.4	7.4	11.6	16.5	22.8	31.7	42.0
-65°	1.4	1.4	1.4	2.4	4.1	6.6	10.5	15.0	20.3	28.1	38.0
-67.5°	1.4	1.4	1.4	2.2	3.8	5.9	9.2	13.1	17.4	23.9	32.6
-70°	1.4	1.4	1.4	2.0	3.5	5.4	7.8	11.2	14.9	19.3	26.4
-72.5°	1.4	1.4	1.4	2.0	3.1	4.8	6.9	9.1	12.3	16.0	20.2
-75°	1.4	1.4	1.4	1.9	2.7	4.2	6.0	7.7	9.6	12.6	16.1
-77.5°	1.4	1.4	1.4	1.9	2.6	3.6	5.1	6.5	8.0	9.6	11.8
-80°	1.4	1.4	1.4	1.9	2.5	3.2	4.2	5.2	6.4	7.7	9.1
-82.5°	1.4	1.4	1.4	1.8	2.4	3.0	3.8	4.3	4.8	5.8	6.8
-85°	1.4	1.4	1.4	1.8	2.3	2.8	3.4	3.9	4.3	4.8	5.2
-87.5°	1.4	1.4	1.4	1.8	2.2	2.6	3.1	3.5	3.9	4.3	4.6
-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: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-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	4.4	4.8	5.1
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°	0.4	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	4.2	4.6	10.8	17.6	19.4
55°	3.4	3.6	4.2	4.8	5.2	5.2	7.4	15.7	23.7	32.8	36.2
52.5°	4.1	4.4	5.4	6.2	6.7	10.4	18.8	30.0	41.9	52.3	65.9
50°	4.8	5.8	6.8	8.0	12.8	22.5	34.8	50.1	67.9	84.6	101.8
47.5°	6.1	7.3	8.8	12.7	25.2	38.7	55.7	80.3	102.2	122.5	146.0
45°	7.5	10.1	11.8	25.0	39.6	57.1	85.8	115.9	135.8	162.9	204.5
42.5°	9.0	13.9	22.4	37.8	55.6	83.8	119.4	145.0	171.5	215.4	259.2
40°	12.9	18.6	33.8	52.1	74.6	115.8	152.3	181.3	217.5	266.2	311.9
37.5°	17.6	28.4	45.5	67.4	104.5	149.6	188.8	230.2	271.7	317.7	402.4
35°	22.9	37.5	60.2	89.8	134.4	187.2	233.9	280.1	328.0	418.5	502.6
32.5°	29.8	45.9	75.6	115.8	166.8	224.7	278.9	332.4	409.2	511.6	595.9
30°	37.2	59.4	93.3	139.8	197.2	259.0	324.2	389.0	490.6	575.3	666.9
27.5°	45.0	73.6	114.1	165.0	225.7	291.4	365.0	457.4	548.0	631.7	732.4
25°	53.0	88.4	133.1	189.1	253.8	326.4	411.1	523.6	594.5	687.0	792.0
22.5°	63.2	102.5	151.9	210.9	279.8	362.4	470.3	583.3	666.8	744.6	847.2
20°	75.1	118.5	172.4	238.2	305.2	397.6	529.3	648.1	746.3	835.4	929.6
17.5°	86.2	133.4	194.4	266.1	342.3	442.6	587.1	718.6	826.7	926.0	1043.6
15°	96.4	147.2	215.8	292.6	378.7	494.2	638.9	783.4	906.9	1018.6	1152.2
12.5°	105.8	159.8	236.5	317.3	413.0	538.7	682.5	823.5	959.2	1104.8	1256.4
10°	114.2	171.1	256.0	340.1	444.8	576.3	718.5	857.0	993.8	1147.9	1316.4
7.5°	123.3	181.7	273.8	360.8	473.7	607.4	747.2	883.8	1021.8	1182.4	1355.3
5°	131.6	191.4	287.9	375.7	496.1	631.6	768.9	904.1	1043.1	1208.0	1384.9
2.5°	139.0	199.6	299.3	387.4	512.6	649.5	782.9	921.1	1058.8	1228.9	1407.4
0°	145.2	206.3	308.1	396.3	525.2	662.3	791.2	932.3	1068.0	1243.1	1422.2
-2.5°	149.2	217.2	314.1	411.9	536.1	670.6	798.6	935.4	1077.9	1247.6	1438.8
-5°	152.0	226.0	317.7	423.9	543.3	674.3	801.0	933.0	1080.5	1246.4	1441.3
-7.5°	153.6	232.2	319.4	430.7	545.8	672.1	796.9	928.4	1076.2	1242.2	1430.5
-10°	154.5	234.2	321.7	428.7	542.5	664.8	787.7	917.6	1063.9	1228.3	1410.1
-12.5°	157.1	232.9	321.3	424.1	535.3	653.8	774.1	900.6	1043.4	1204.6	1381.8
-15°	157.8	230.1	317.4	417.4	524.4	639.4	756.3	877.1	1018.1	1181.5	1350.5
-17.5°	156.3	225.9	309.9	408.8	509.8	622.0	735.3	856.1	994.4	1155.0	1317.6
-20°	152.7	220.4	298.6	398.7	492.5	602.6	714.3	834.0	967.1	1118.0	1280.8

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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°	146.8	213.8	286.3	384.6	477.5	580.4	689.6	803.8	933.0	1070.1	1231.4
-25°	140.6	206.3	276.6	365.2	459.5	554.4	661.3	767.0	892.8	1027.5	1170.6
-27.5°	134.8	195.9	266.5	343.9	438.4	526.7	629.3	732.4	847.6	979.7	1111.4
-30°	127.2	184.6	254.2	323.4	413.0	500.6	593.6	695.1	798.7	924.1	1053.6
-32.5°	120.4	172.9	240.3	307.9	385.7	471.2	555.1	651.8	753.0	859.8	987.9
-35°	116.0	166.0	225.4	289.9	357.9	439.2	519.1	603.1	701.0	801.3	913.7
-37.5°	112.3	158.1	209.8	271.2	335.9	405.6	480.4	557.7	643.2	744.3	849.9
-40°	106.6	149.1	198.3	253.3	310.4	373.8	443.2	513.2	587.3	686.0	790.3
-42.5°	99.2	140.4	187.4	233.9	286.0	343.9	405.6	471.5	542.7	628.5	724.3
-45°	93.6	129.3	175.3	216.9	260.1	313.0	370.9	430.6	497.8	571.5	657.5
-47.5°	86.4	117.2	159.4	198.3	236.4	281.6	334.5	391.0	450.5	516.9	587.5
-50°	78.7	107.1	140.0	177.9	214.2	251.8	296.9	349.2	403.2	461.0	524.0
-52.5°	72.9	95.4	125.4	156.9	191.5	225.6	264.0	308.8	357.1	405.4	460.8
-55°	66.3	86.7	111.4	139.7	169.1	200.7	235.7	275.0	314.3	358.7	402.9
-57.5°	61.7	78.4	99.8	124.4	150.8	177.6	210.7	243.9	280.2	317.0	353.7
-60°	58.0	71.2	88.9	110.6	134.2	159.2	186.3	217.0	248.3	278.3	310.0
-62.5°	53.9	65.3	79.2	96.8	118.2	140.0	163.9	190.1	218.5	243.7	268.3
-65°	48.5	58.4	70.4	84.7	101.4	119.9	140.3	162.4	186.9	207.4	227.5
-67.5°	42.4	50.7	60.7	72.4	86.4	100.8	115.8	134.5	154.4	171.1	187.4
-70°	34.6	42.4	50.6	60.1	71.0	83.2	96.4	110.0	123.6	137.3	152.2
-72.5°	26.5	33.6	40.5	47.3	56.0	66.0	76.7	88.1	100.0	111.7	123.1
-75°	20.2	24.8	30.9	37.0	43.1	49.6	56.8	65.8	76.9	88.2	98.6
-77.5°	15.3	19.1	23.2	27.4	31.2	36.0	41.2	46.8	56.0	66.4	77.0
-80°	11.0	13.3	16.5	19.9	22.6	25.3	28.0	30.8	37.6	46.0	55.0
-82.5°	8.2	9.8	11.5	13.5	14.9	16.2	17.6	19.5	24.5	30.2	36.2
-85°	5.6	6.1	7.1	8.2	8.9	9.7	10.5	11.3	14.0	17.0	20.3
-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: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.4	5.8	6.1	6.5	6.8	7.1	7.5	7.8	8.1	8.1	8.1
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°	0.1	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°	8.0	5.3	6.2	7.8	7.3	5.0	8.2	9.3	7.9	5.4	5.2
57.5°	20.3	19.6	22.5	32.8	36.2	33.0	39.4	47.8	47.6	40.9	40.7
55°	43.3	58.1	76.0	78.9	91.4	116.3	135.7	127.2	127.1	133.5	154.2
52.5°	82.3	96.3	101.5	115.4	141.4	160.3	172.4	184.9	198.7	212.7	226.9
50°	120.8	134.4	149.8	164.0	200.0	219.4	216.1	242.1	275.4	296.2	306.8
47.5°	177.2	198.6	231.1	282.1	309.0	328.4	352.6	382.0	420.1	471.8	511.7
45°	243.6	277.2	327.6	381.8	423.5	442.5	470.1	515.7	576.5	635.7	678.9
42.5°	297.9	344.0	400.8	452.6	486.6	517.8	553.6	592.0	661.7	724.9	774.9
40°	368.7	404.6	468.4	517.2	547.6	578.6	635.3	692.8	758.3	817.2	858.2
37.5°	458.5	498.9	565.2	620.4	649.7	660.7	757.1	837.2	890.5	965.6	990.2
35°	554.9	621.4	705.9	777.5	806.3	863.7	963.0	1074.8	1195.9	1240.5	1278.5
32.5°	662.5	744.6	859.3	936.1	977.1	1064.2	1189.9	1309.2	1467.6	1553.6	1579.3
30°	760.9	855.2	953.7	1028.4	1098.5	1203.3	1318.0	1465.1	1611.6	1721.5	1755.6
27.5°	833.1	937.4	1032.2	1102.1	1181.2	1294.2	1437.2	1586.2	1730.0	1842.1	1881.9
25°	902.1	1020.0	1095.0	1176.3	1269.2	1392.3	1550.8	1716.4	1858.0	1952.7	2001.6
22.5°	980.5	1096.8	1177.3	1246.1	1367.6	1509.5	1656.6	1843.7	1993.7	2069.3	2122.3
20°	1061.5	1193.0	1317.3	1381.4	1486.5	1666.2	1830.8	2007.4	2152.3	2231.1	2287.0
17.5°	1174.4	1342.0	1494.5	1585.3	1697.8	1912.6	2118.0	2296.8	2498.3	2569.4	2637.7
15°	1293.5	1487.4	1666.2	1809.8	1955.2	2168.1	2432.5	2648.2	2878.1	2980.8	3097.0
12.5°	1412.2	1595.7	1757.7	1943.0	2147.9	2336.2	2588.0	2856.5	3065.1	3196.1	3274.3
10°	1500.9	1671.4	1827.2	2013.0	2217.5	2430.6	2680.7	2955.9	3174.4	3286.2	3349.9
7.5°	1548.8	1712.0	1876.4	2064.6	2268.2	2495.1	2752.8	3025.9	3249.2	3357.5	3420.5
5°	1584.4	1741.1	1911.3	2109.5	2315.3	2545.3	2802.7	3072.6	3276.3	3391.3	3471.0
2.5°	1606.0	1759.6	1933.6	2138.5	2344.8	2584.4	2854.2	3133.9	3312.2	3404.7	3478.0
0°	1612.2	1766.9	1946.0	2153.7	2365.4	2606.9	2874.3	3151.1	3331.6	3421.2	3495.8
-2.5°	1619.2	1778.5	1962.6	2163.5	2373.5	2614.3	2887.2	3157.0	3319.4	3409.7	3480.7
-5°	1614.3	1779.4	1962.9	2155.4	2366.7	2605.6	2867.6	3119.9	3289.7	3387.4	3458.0
-7.5°	1599.7	1767.1	1948.7	2133.7	2341.0	2582.7	2843.5	3086.4	3258.5	3361.5	3438.8
-10°	1578.5	1741.0	1923.8	2111.2	2316.0	2546.0	2802.9	3044.3	3209.0	3318.4	3408.4
-12.5°	1554.9	1714.1	1890.3	2070.0	2272.6	2499.8	2748.6	2977.2	3140.8	3260.2	3324.5
-15°	1520.0	1679.1	1847.6	2021.4	2218.8	2439.2	2677.0	2896.2	3057.0	3154.1	3225.2
-17.5°	1475.6	1631.7	1791.4	1956.3	2142.3	2359.3	2598.5	2814.8	2945.8	3032.6	3102.4
-20°	1428.0	1572.4	1723.7	1879.3	2059.5	2274.6	2509.5	2698.1	2821.6	2904.9	2970.9



REPORT NUMBER: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-730-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°	1373.7	1512.7	1651.2	1799.9	1976.7	2173.8	2381.3	2563.6	2696.4	2772.3	2833.3
-25°	1311.7	1446.9	1578.4	1722.1	1884.5	2061.7	2254.7	2433.8	2552.7	2633.3	2693.8
-27.5°	1244.9	1371.9	1500.4	1629.4	1775.5	1952.0	2130.7	2297.1	2398.6	2479.9	2540.7
-30°	1178.3	1292.5	1411.4	1533.5	1670.6	1829.8	1996.9	2136.8	2243.9	2322.8	2379.3
-32.5°	1106.0	1214.5	1319.8	1433.9	1563.0	1703.2	1849.9	1983.0	2097.4	2169.7	2217.3
-35°	1032.0	1137.0	1233.4	1337.0	1450.8	1571.9	1707.2	1838.5	1951.5	2008.7	2055.1
-37.5°	954.9	1059.6	1151.0	1237.6	1335.6	1447.7	1579.6	1704.8	1802.4	1851.6	1893.4
-40°	887.9	980.1	1062.3	1145.2	1224.9	1324.5	1447.5	1568.8	1647.1	1695.0	1733.8
-42.5°	822.9	900.6	968.0	1042.2	1122.0	1220.2	1319.5	1421.2	1484.1	1537.3	1578.2
-45°	747.1	816.6	879.7	941.5	1014.3	1103.9	1194.1	1275.5	1334.5	1385.9	1425.7
-47.5°	663.3	730.4	791.7	846.9	914.5	989.3	1065.3	1133.1	1191.3	1242.1	1277.6
-50°	585.2	645.2	705.0	760.9	819.5	880.0	941.6	1001.1	1056.3	1105.7	1136.0
-52.5°	515.3	570.6	622.9	671.8	723.0	774.1	825.1	879.6	930.4	977.2	1001.3
-55°	452.0	501.8	549.1	590.2	631.3	671.9	715.6	765.9	812.7	856.0	873.3
-57.5°	395.1	437.8	479.6	514.4	548.0	580.2	618.6	661.1	702.0	739.1	753.3
-60°	342.8	376.7	411.7	442.5	471.8	499.5	533.0	567.1	600.4	628.3	640.4
-62.5°	294.7	323.7	350.2	375.3	400.1	425.0	452.0	479.2	506.0	527.5	538.5
-65°	248.4	271.4	292.7	313.4	333.4	354.3	375.5	396.1	416.0	431.4	440.8
-67.5°	204.9	222.4	239.3	255.4	272.1	289.1	305.6	321.4	336.4	348.3	357.3
-70°	166.3	179.9	193.1	206.4	220.4	233.5	246.0	257.9	269.0	277.6	284.5
-72.5°	134.1	145.1	156.5	168.5	179.8	189.6	198.6	207.2	215.5	220.3	224.0
-75°	108.1	117.3	127.3	137.0	146.4	153.9	160.5	166.8	172.9	173.3	172.0
-77.5°	87.4	95.6	103.3	110.9	118.5	123.1	127.1	131.2	135.4	133.0	129.2
-80°	64.1	71.0	77.5	84.1	90.6	93.4	95.3	96.9	98.3	95.1	91.2
-82.5°	42.5	46.9	51.1	55.4	59.8	61.6	62.9	64.0	64.8	62.0	58.7
-85°	23.7	25.8	27.9	29.9	32.0	33.2	34.3	35.4	36.3	34.6	32.7
-87.5°	9.9	10.4	10.8	11.3	11.7	12.1	12.6	13.0	13.4	13.5	13.5
-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: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-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°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.8
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°	37.6	32.2	33.0	36.6	33.0	32.2	37.6	40.7	40.9	47.6	47.8
55°	175.8	196.2	203.5	199.5	203.5	196.2	175.8	154.2	133.5	127.1	127.2
52.5°	238.2	246.6	249.8	249.7	249.8	246.6	238.2	226.9	212.7	198.7	184.9
50°	310.1	307.3	302.9	298.6	302.9	307.3	310.1	306.8	296.2	275.4	242.1
47.5°	517.5	508.5	504.7	511.6	504.7	508.5	517.5	511.7	471.8	420.1	382.0
45°	687.7	698.3	706.1	705.7	706.1	698.3	687.7	678.9	635.7	576.5	515.7
42.5°	784.6	790.2	791.8	789.8	791.8	790.2	784.6	774.9	724.9	661.7	592.0
40°	871.0	877.7	881.5	884.8	881.5	877.7	871.0	858.2	817.2	758.3	692.8
37.5°	998.4	1000.8	995.5	992.0	995.5	1000.8	998.4	990.2	965.6	890.5	837.2
35°	1310.5	1316.9	1302.0	1317.7	1302.0	1316.9	1310.5	1278.5	1240.5	1195.9	1074.8
32.5°	1609.9	1639.9	1664.1	1684.1	1664.1	1639.9	1609.9	1579.3	1553.6	1467.6	1309.2
30°	1779.5	1798.8	1809.2	1811.7	1809.2	1798.8	1779.5	1755.6	1721.5	1611.6	1465.1
27.5°	1904.0	1924.3	1936.9	1946.0	1936.9	1924.3	1904.0	1881.9	1842.1	1730.0	1586.2
25°	2024.0	2042.5	2055.1	2060.0	2055.1	2042.5	2024.0	2001.6	1952.7	1858.0	1716.4
22.5°	2148.5	2161.4	2173.5	2179.5	2173.5	2161.4	2148.5	2122.3	2069.3	1993.7	1843.7
20°	2327.1	2320.1	2331.1	2327.4	2331.1	2320.1	2327.1	2287.0	2231.1	2152.3	2007.4
17.5°	2690.9	2694.6	2702.0	2714.1	2702.0	2694.6	2690.9	2637.7	2569.4	2498.3	2296.8
15°	3148.4	3157.6	3204.4	3246.1	3204.4	3157.6	3148.4	3097.0	2980.8	2878.1	2648.2
12.5°	3346.9	3378.7	3383.6	3395.4	3383.6	3378.7	3346.9	3274.3	3196.1	3065.1	2856.5
10°	3413.1	3468.2	3467.0	3480.9	3467.0	3468.2	3413.1	3349.9	3286.2	3174.4	2955.9
7.5°	3463.3	3522.6	3547.6	3558.2	3547.6	3522.6	3463.3	3420.5	3357.5	3249.2	3025.9
5°	3524.7	3557.3	3600.5	3588.1	3600.5	3557.3	3524.7	3471.0	3391.3	3276.3	3072.6
2.5°	3550.4	3601.4	3589.6	3601.7	3589.6	3601.4	3550.4	3478.0	3404.7	3312.2	3133.9
0°	3567.7	3604.4	3609.8	3622.0	3609.8	3604.4	3567.7	3495.8	3421.2	3331.6	3151.1
-2.5°	3546.7	3579.0	3635.4	3618.0	3635.4	3579.0	3546.7	3480.7	3409.7	3319.4	3157.0
-5°	3528.3	3607.6	3576.8	3615.2	3576.8	3607.6	3528.3	3458.0	3387.4	3289.7	3119.9
-7.5°	3518.7	3532.9	3553.4	3582.7	3553.4	3532.9	3518.7	3438.8	3361.5	3258.5	3086.4
-10°	3445.0	3459.6	3497.2	3517.5	3497.2	3459.6	3445.0	3408.4	3318.4	3209.0	3044.3
-12.5°	3365.2	3393.3	3432.8	3445.6	3432.8	3393.3	3365.2	3324.5	3260.2	3140.8	2977.2
-15°	3273.1	3314.9	3353.4	3361.5	3353.4	3314.9	3273.1	3225.2	3154.1	3057.0	2896.2
-17.5°	3156.1	3206.2	3246.6	3255.6	3246.6	3206.2	3156.1	3102.4	3032.6	2945.8	2814.8
-20°	3027.2	3075.2	3109.6	3119.9	3109.6	3075.2	3027.2	2970.9	2904.9	2821.6	2698.1



REPORT NUMBER: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-730-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°	2889.2	2932.3	2961.4	2957.1	2961.4	2932.3	2889.2	2833.3	2772.3	2696.4	2563.6
-25°	2742.6	2782.6	2810.3	2806.4	2810.3	2782.6	2742.6	2693.8	2633.3	2552.7	2433.8
-27.5°	2587.6	2625.6	2652.3	2653.1	2652.3	2625.6	2587.6	2540.7	2479.9	2398.6	2297.1
-30°	2424.8	2459.3	2480.9	2472.6	2480.9	2459.3	2424.8	2379.3	2322.8	2243.9	2136.8
-32.5°	2256.9	2288.1	2307.9	2313.8	2307.9	2288.1	2256.9	2217.3	2169.7	2097.4	1983.0
-35°	2091.3	2118.8	2135.9	2140.1	2135.9	2118.8	2091.3	2055.1	2008.7	1951.5	1838.5
-37.5°	1926.7	1950.3	1962.3	1956.9	1962.3	1950.3	1926.7	1893.4	1851.6	1802.4	1704.8
-40°	1764.1	1786.6	1800.3	1803.6	1800.3	1786.6	1764.1	1733.8	1695.0	1647.1	1568.8
-42.5°	1604.2	1622.9	1634.9	1640.7	1634.9	1622.9	1604.2	1578.2	1537.3	1484.1	1421.2
-45°	1449.0	1465.7	1477.0	1483.3	1477.0	1465.7	1449.0	1425.7	1385.9	1334.5	1275.5
-47.5°	1298.0	1312.7	1322.4	1327.2	1322.4	1312.7	1298.0	1277.6	1242.1	1191.3	1133.1
-50°	1153.7	1166.4	1175.5	1180.7	1175.5	1166.4	1153.7	1136.0	1105.7	1056.3	1001.1
-52.5°	1016.7	1027.8	1035.6	1039.5	1035.6	1027.8	1016.7	1001.3	977.2	930.4	879.6
-55°	886.0	895.0	902.2	906.5	902.2	895.0	886.0	873.3	856.0	812.7	765.9
-57.5°	764.1	771.4	778.2	783.0	778.2	771.4	764.1	753.3	739.1	702.0	661.1
-60°	650.0	656.9	662.7	666.3	662.7	656.9	650.0	640.4	628.3	600.4	567.1
-62.5°	547.0	553.1	558.4	561.8	558.4	553.1	547.0	538.5	527.5	506.0	479.2
-65°	448.2	453.7	457.6	460.0	457.6	453.7	448.2	440.8	431.4	416.0	396.1
-67.5°	365.0	371.4	372.6	371.8	372.6	371.4	365.0	357.3	348.3	336.4	321.4
-70°	290.8	296.1	297.4	297.2	297.4	296.1	290.8	284.5	277.6	269.0	257.9
-72.5°	227.4	230.3	227.8	223.9	227.8	230.3	227.4	224.0	220.3	215.5	207.2
-75°	170.5	168.7	166.0	162.8	166.0	168.7	170.5	172.0	173.3	172.9	166.8
-77.5°	124.9	120.3	117.3	114.0	117.3	120.3	124.9	129.2	133.0	135.4	131.2
-80°	87.0	82.5	79.3	76.0	79.3	82.5	87.0	91.2	95.1	98.3	96.9
-82.5°	55.1	51.4	49.5	47.5	49.5	51.4	55.1	58.7	62.0	64.8	64.0
-85°	30.6	28.4	27.1	25.8	27.1	28.4	30.6	32.7	34.6	36.3	35.4
-87.5°	13.6	13.6	12.9	12.2	12.9	13.6	13.6	13.5	13.5	13.4	13.0
-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: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-730-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	7.1	6.8	6.5	6.1	5.8	5.4	5.1	4.8	4.4	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	5.3	8.0	7.7	4.0	3.5	3.1
57.5°	39.4	33.0	36.2	32.8	22.5	19.6	20.3	19.4	17.6	10.8	4.6
55°	135.7	116.3	91.4	78.9	76.0	58.1	43.3	36.2	32.8	23.7	15.7
52.5°	172.4	160.3	141.4	115.4	101.5	96.3	82.3	65.9	52.3	41.9	30.0
50°	216.1	219.4	200.0	164.0	149.8	134.4	120.8	101.8	84.6	67.9	50.1
47.5°	352.6	328.4	309.0	282.1	231.1	198.6	177.2	146.0	122.5	102.2	80.3
45°	470.1	442.5	423.5	381.8	327.6	277.2	243.6	204.5	162.9	135.8	115.9
42.5°	553.6	517.8	486.6	452.6	400.8	344.0	297.9	259.2	215.4	171.5	145.0
40°	635.3	578.6	547.6	517.2	468.4	404.6	368.7	311.9	266.2	217.5	181.3
37.5°	757.1	660.7	649.7	620.4	565.2	498.9	458.5	402.4	317.7	271.7	230.2
35°	963.0	863.7	806.3	777.5	705.9	621.4	554.9	502.6	418.5	328.0	280.1
32.5°	1189.9	1064.2	977.1	936.1	859.3	744.6	662.5	595.9	511.6	409.2	332.4
30°	1318.0	1203.3	1098.5	1028.4	953.7	855.2	760.9	666.9	575.3	490.6	389.0
27.5°	1437.2	1294.2	1181.2	1102.1	1032.2	937.4	833.1	732.4	631.7	548.0	457.4
25°	1550.8	1392.3	1269.2	1176.3	1095.0	1020.0	902.1	792.0	687.0	594.5	523.6
22.5°	1656.6	1509.5	1367.6	1246.1	1177.3	1096.8	980.5	847.2	744.6	666.8	583.3
20°	1830.8	1666.2	1486.5	1381.4	1317.3	1193.0	1061.5	929.6	835.4	746.3	648.1
17.5°	2118.0	1912.6	1697.8	1585.3	1494.5	1342.0	1174.4	1043.6	926.0	826.7	718.6
15°	2432.5	2168.1	1955.2	1809.8	1666.2	1487.4	1293.5	1152.2	1018.6	906.9	783.4
12.5°	2588.0	2336.2	2147.9	1943.0	1757.7	1595.7	1412.2	1256.4	1104.8	959.2	823.5
10°	2680.7	2430.6	2217.5	2013.0	1827.2	1671.4	1500.9	1316.4	1147.9	993.8	857.0
7.5°	2752.8	2495.1	2268.2	2064.6	1876.4	1712.0	1548.8	1355.3	1182.4	1021.8	883.8
5°	2802.7	2545.3	2315.3	2109.5	1911.3	1741.1	1584.4	1384.9	1208.0	1043.1	904.1
2.5°	2854.2	2584.4	2344.8	2138.5	1933.6	1759.6	1606.0	1407.4	1228.9	1058.8	921.1
0°	2874.3	2606.9	2365.4	2153.7	1946.0	1766.9	1612.2	1422.2	1243.1	1068.0	932.3
-2.5°	2887.2	2614.3	2373.5	2163.5	1962.6	1778.5	1619.2	1438.8	1247.6	1077.9	935.4
-5°	2867.6	2605.6	2366.7	2155.4	1962.9	1779.4	1614.3	1441.3	1246.4	1080.5	933.0
-7.5°	2843.5	2582.7	2341.0	2133.7	1948.7	1767.1	1599.7	1430.5	1242.2	1076.2	928.4
-10°	2802.9	2546.0	2316.0	2111.2	1923.8	1741.0	1578.5	1410.1	1228.3	1063.9	917.6
-12.5°	2748.6	2499.8	2272.6	2070.0	1890.3	1714.1	1554.9	1381.8	1204.6	1043.4	900.6
-15°	2677.0	2439.2	2218.8	2021.4	1847.6	1679.1	1520.0	1350.5	1181.5	1018.1	877.1
-17.5°	2598.5	2359.3	2142.3	1956.3	1791.4	1631.7	1475.6	1317.6	1155.0	994.4	856.1
-20°	2509.5	2274.6	2059.5	1879.3	1723.7	1572.4	1428.0	1280.8	1118.0	967.1	834.0



REPORT NUMBER: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-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°	2381.3	2173.8	1976.7	1799.9	1651.2	1512.7	1373.7	1231.4	1070.1	933.0	803.8
-25°	2254.7	2061.7	1884.5	1722.1	1578.4	1446.9	1311.7	1170.6	1027.5	892.8	767.0
-27.5°	2130.7	1952.0	1775.5	1629.4	1500.4	1371.9	1244.9	1111.4	979.7	847.6	732.4
-30°	1996.9	1829.8	1670.6	1533.5	1411.4	1292.5	1178.3	1053.6	924.1	798.7	695.1
-32.5°	1849.9	1703.2	1563.0	1433.9	1319.8	1214.5	1106.0	987.9	859.8	753.0	651.8
-35°	1707.2	1571.9	1450.8	1337.0	1233.4	1137.0	1032.0	913.7	801.3	701.0	603.1
-37.5°	1579.6	1447.7	1335.6	1237.6	1151.0	1059.6	954.9	849.9	744.3	643.2	557.7
-40°	1447.5	1324.5	1224.9	1145.2	1062.3	980.1	887.9	790.3	686.0	587.3	513.2
-42.5°	1319.5	1220.2	1122.0	1042.2	968.0	900.6	822.9	724.3	628.5	542.7	471.5
-45°	1194.1	1103.9	1014.3	941.5	879.7	816.6	747.1	657.5	571.5	497.8	430.6
-47.5°	1065.3	989.3	914.5	846.9	791.7	730.4	663.3	587.5	516.9	450.5	391.0
-50°	941.6	880.0	819.5	760.9	705.0	645.2	585.2	524.0	461.0	403.2	349.2
-52.5°	825.1	774.1	723.0	671.8	622.9	570.6	515.3	460.8	405.4	357.1	308.8
-55°	715.6	671.9	631.3	590.2	549.1	501.8	452.0	402.9	358.7	314.3	275.0
-57.5°	618.6	580.2	548.0	514.4	479.6	437.8	395.1	353.7	317.0	280.2	243.9
-60°	533.0	499.5	471.8	442.5	411.7	376.7	342.8	310.0	278.3	248.3	217.0
-62.5°	452.0	425.0	400.1	375.3	350.2	323.7	294.7	268.3	243.7	218.5	190.1
-65°	375.5	354.3	333.4	313.4	292.7	271.4	248.4	227.5	207.4	186.9	162.4
-67.5°	305.6	289.1	272.1	255.4	239.3	222.4	204.9	187.4	171.1	154.4	134.5
-70°	246.0	233.5	220.4	206.4	193.1	179.9	166.3	152.2	137.3	123.6	110.0
-72.5°	198.6	189.6	179.8	168.5	156.5	145.1	134.1	123.1	111.7	100.0	88.1
-75°	160.5	153.9	146.4	137.0	127.3	117.3	108.1	98.6	88.2	76.9	65.8
-77.5°	127.1	123.1	118.5	110.9	103.3	95.6	87.4	77.0	66.4	56.0	46.8
-80°	95.3	93.4	90.6	84.1	77.5	71.0	64.1	55.0	46.0	37.6	30.8
-82.5°	62.9	61.6	59.8	55.4	51.1	46.9	42.5	36.2	30.2	24.5	19.5
-85°	34.3	33.2	32.0	29.9	27.9	25.8	23.7	20.3	17.0	14.0	11.3
-87.5°	12.6	12.1	11.7	11.3	10.8	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: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-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°	4.2	4.1	4.1	3.7	3.3	2.9	2.7	2.7	2.7	2.7	2.3
55°	7.4	5.2	5.2	4.8	4.2	3.6	3.4	3.3	3.2	3.1	2.7
52.5°	18.8	10.4	6.7	6.2	5.4	4.4	4.1	3.9	3.7	3.6	3.1
50°	34.8	22.5	12.8	8.0	6.8	5.8	4.8	4.6	4.3	4.0	3.5
47.5°	55.7	38.7	25.2	12.7	8.8	7.3	6.1	5.2	4.9	4.5	3.9
45°	85.8	57.1	39.6	25.0	11.8	10.1	7.5	5.9	5.4	5.0	4.3
42.5°	119.4	83.8	55.6	37.8	22.4	13.9	9.0	7.1	6.0	5.5	4.7
40°	152.3	115.8	74.6	52.1	33.8	18.6	12.9	8.5	6.6	6.0	5.1
37.5°	188.8	149.6	104.5	67.4	45.5	28.4	17.6	9.9	7.5	6.6	5.6
35°	233.9	187.2	134.4	89.8	60.2	37.5	22.9	12.6	9.2	7.2	6.1
32.5°	278.9	224.7	166.8	115.8	75.6	45.9	29.8	17.9	11.2	7.8	6.6
30°	324.2	259.0	197.2	139.8	93.3	59.4	37.2	23.1	13.5	8.5	7.1
27.5°	365.0	291.4	225.7	165.0	114.1	73.6	45.0	28.2	16.0	9.6	7.7
25°	411.1	326.4	253.8	189.1	133.1	88.4	53.0	33.1	19.7	11.6	8.2
22.5°	470.3	362.4	279.8	210.9	151.9	102.5	63.2	39.6	23.8	13.7	8.7
20°	529.3	397.6	305.2	238.2	172.4	118.5	75.1	46.1	27.7	15.8	9.3
17.5°	587.1	442.6	342.3	266.1	194.4	133.4	86.2	52.5	31.3	18.0	9.8
15°	638.9	494.2	378.7	292.6	215.8	147.2	96.4	58.7	34.8	20.2	10.5
12.5°	682.5	538.7	413.0	317.3	236.5	159.8	105.8	64.6	37.9	22.6	11.5
10°	718.5	576.3	444.8	340.1	256.0	171.1	114.2	70.6	41.6	25.2	12.4
7.5°	747.2	607.4	473.7	360.8	273.8	181.7	123.3	76.8	45.2	27.6	13.5
5°	768.9	631.6	496.1	375.7	287.9	191.4	131.6	82.6	48.6	29.9	14.4
2.5°	782.9	649.5	512.6	387.4	299.3	199.6	139.0	87.8	51.6	32.0	15.4
0°	791.2	662.3	525.2	396.3	308.1	206.3	145.2	92.3	54.3	33.9	16.3
-2.5°	798.6	670.6	536.1	411.9	314.1	217.2	149.2	96.3	58.6	35.3	17.9
-5°	801.0	674.3	543.3	423.9	317.7	226.0	152.0	99.7	62.3	36.4	19.5
-7.5°	796.9	672.1	545.8	430.7	319.4	232.2	153.6	102.2	65.4	37.2	20.8
-10°	787.7	664.8	542.5	428.7	321.7	234.2	154.5	104.1	67.6	37.8	21.9
-12.5°	774.1	653.8	535.3	424.1	321.3	232.9	157.1	105.6	68.8	38.3	22.7
-15°	756.3	639.4	524.4	417.4	317.4	230.1	157.8	106.1	68.7	39.1	23.2
-17.5°	735.3	622.0	509.8	408.8	309.9	225.9	156.3	105.5	68.0	40.2	23.7
-20°	714.3	602.6	492.5	398.7	298.6	220.4	152.7	103.5	66.7	41.0	24.2

Classified

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

Scaled Data Report



REPORT NUMBER: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-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°	689.6	580.4	477.5	384.6	286.3	213.8	146.8	100.3	64.9	41.3	24.4
-25°	661.3	554.4	459.5	365.2	276.6	206.3	140.6	95.6	62.6	41.2	24.3
-27.5°	629.3	526.7	438.4	343.9	266.5	195.9	134.8	92.1	60.7	40.6	23.9
-30°	593.6	500.6	413.0	323.4	254.2	184.6	127.2	88.3	59.8	39.9	23.3
-32.5°	555.1	471.2	385.7	307.9	240.3	172.9	120.4	83.9	58.3	38.9	23.3
-35°	519.1	439.2	357.9	289.9	225.4	166.0	116.0	79.1	56.2	37.5	23.4
-37.5°	480.4	405.6	335.9	271.2	209.8	158.1	112.3	76.9	53.5	35.8	23.3
-40°	443.2	373.8	310.4	253.3	198.3	149.1	106.6	74.5	50.9	33.7	23.0
-42.5°	405.6	343.9	286.0	233.9	187.4	140.4	99.2	70.8	48.7	32.4	22.5
-45°	370.9	313.0	260.1	216.9	175.3	129.3	93.6	66.2	46.1	31.6	22.0
-47.5°	334.5	281.6	236.4	198.3	159.4	117.2	86.4	62.5	43.0	30.4	21.7
-50°	296.9	251.8	214.2	177.9	140.0	107.1	78.7	58.1	41.9	29.5	21.2
-52.5°	264.0	225.6	191.5	156.9	125.4	95.4	72.9	53.5	40.4	28.8	20.5
-55°	235.7	200.7	169.1	139.7	111.4	86.7	66.3	51.2	38.6	27.9	19.5
-57.5°	210.7	177.6	150.8	124.4	99.8	78.4	61.7	48.6	36.6	26.6	18.7
-60°	186.3	159.2	134.2	110.6	88.9	71.2	58.0	45.5	34.4	24.9	17.8
-62.5°	163.9	140.0	118.2	96.8	79.2	65.3	53.9	42.0	31.7	22.8	16.5
-65°	140.3	119.9	101.4	84.7	70.4	58.4	48.5	38.0	28.1	20.3	15.0
-67.5°	115.8	100.8	86.4	72.4	60.7	50.7	42.4	32.6	23.9	17.4	13.1
-70°	96.4	83.2	71.0	60.1	50.6	42.4	34.6	26.4	19.3	14.9	11.2
-72.5°	76.7	66.0	56.0	47.3	40.5	33.6	26.5	20.2	16.0	12.3	9.1
-75°	56.8	49.6	43.1	37.0	30.9	24.8	20.2	16.1	12.6	9.6	7.7
-77.5°	41.2	36.0	31.2	27.4	23.2	19.1	15.3	11.8	9.6	8.0	6.5
-80°	28.0	25.3	22.6	19.9	16.5	13.3	11.0	9.1	7.7	6.4	5.2
-82.5°	17.6	16.2	14.9	13.5	11.5	9.8	8.2	6.8	5.8	4.8	4.3
-85°	10.5	9.7	8.9	8.2	7.1	6.1	5.6	5.2	4.8	4.3	3.9
-87.5°	5.9	5.8	5.7	5.6	5.4	5.1	4.9	4.6	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: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-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°	5.1	4.1	3.2	2.3	1.8	1.4	1.4
30°	5.5	4.3	3.3	2.5	1.9	1.4	1.4
27.5°	5.9	4.5	3.6	2.7	1.9	1.4	1.4
25°	6.3	4.7	3.8	2.8	2.0	1.4	1.4
22.5°	6.7	4.9	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°	7.4	5.4	4.4	3.3	2.2	1.4	1.4
15°	7.8	5.6	4.5	3.4	2.3	1.4	1.4
12.5°	8.2	5.9	4.7	3.5	2.4	1.4	1.4
10°	8.5	6.1	4.9	3.7	2.4	1.4	1.4
7.5°	8.8	6.3	5.0	3.8	2.5	1.4	1.4
5°	9.1	6.5	5.2	3.9	2.6	1.4	1.4
2.5°	9.3	6.6	5.3	4.0	2.6	1.4	1.4
0°	9.5	6.8	5.4	4.1	2.7	1.4	1.4
-2.5°	10.0	6.9	5.5	4.1	2.7	1.4	1.4
-5°	10.5	7.1	5.6	4.1	2.7	1.4	1.4
-7.5°	10.9	7.2	5.7	4.1	2.7	1.4	1.4
-10°	11.3	7.3	5.8	4.0	2.7	1.4	1.4
-12.5°	11.6	7.4	5.8	4.0	2.6	1.4	1.4
-15°	11.7	7.4	5.9	4.0	2.6	1.4	1.4
-17.5°	11.8	7.5	5.8	3.9	2.6	1.4	1.4
-20°	12.1	7.5	5.8	3.8	2.5	1.4	1.4

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REPORT NUMBER: P626730 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.8	7.6	5.7	3.8	2.5	1.4	1.4
-25°	13.5	8.1	5.7	3.7	2.5	1.4	1.4
-27.5°	14.0	8.7	5.5	3.6	2.4	1.4	1.4
-30°	14.3	9.3	5.4	3.5	2.4	1.4	1.4
-32.5°	14.5	9.7	5.6	3.4	2.3	1.4	1.4
-35°	14.9	10.1	5.7	3.3	2.2	1.4	1.4
-37.5°	15.3	10.3	5.8	3.2	2.2	1.4	1.4
-40°	15.5	10.4	5.9	3.1	2.1	1.4	1.4
-42.5°	15.6	10.4	5.9	3.0	2.0	1.4	1.4
-45°	15.5	10.3	5.9	3.1	1.9	1.4	1.4
-47.5°	15.3	10.1	5.9	3.0	1.9	1.4	1.4
-50°	15.0	9.9	5.8	3.0	1.8	1.4	1.4
-52.5°	14.6	9.6	5.6	2.9	1.7	1.4	1.4
-55°	14.0	9.2	5.3	2.9	1.6	1.4	1.4
-57.5°	13.4	8.7	5.0	2.8	1.5	1.4	1.4
-60°	12.7	8.1	4.7	2.7	1.4	1.4	1.4
-62.5°	11.6	7.4	4.4	2.5	1.4	1.4	1.4
-65°	10.5	6.6	4.1	2.4	1.4	1.4	1.4
-67.5°	9.2	5.9	3.8	2.2	1.4	1.4	1.4
-70°	7.8	5.4	3.5	2.0	1.4	1.4	1.4
-72.5°	6.9	4.8	3.1	2.0	1.4	1.4	1.4
-75°	6.0	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)