

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: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-750-U-WR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-750-U-WR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N6 WITH VISOR
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

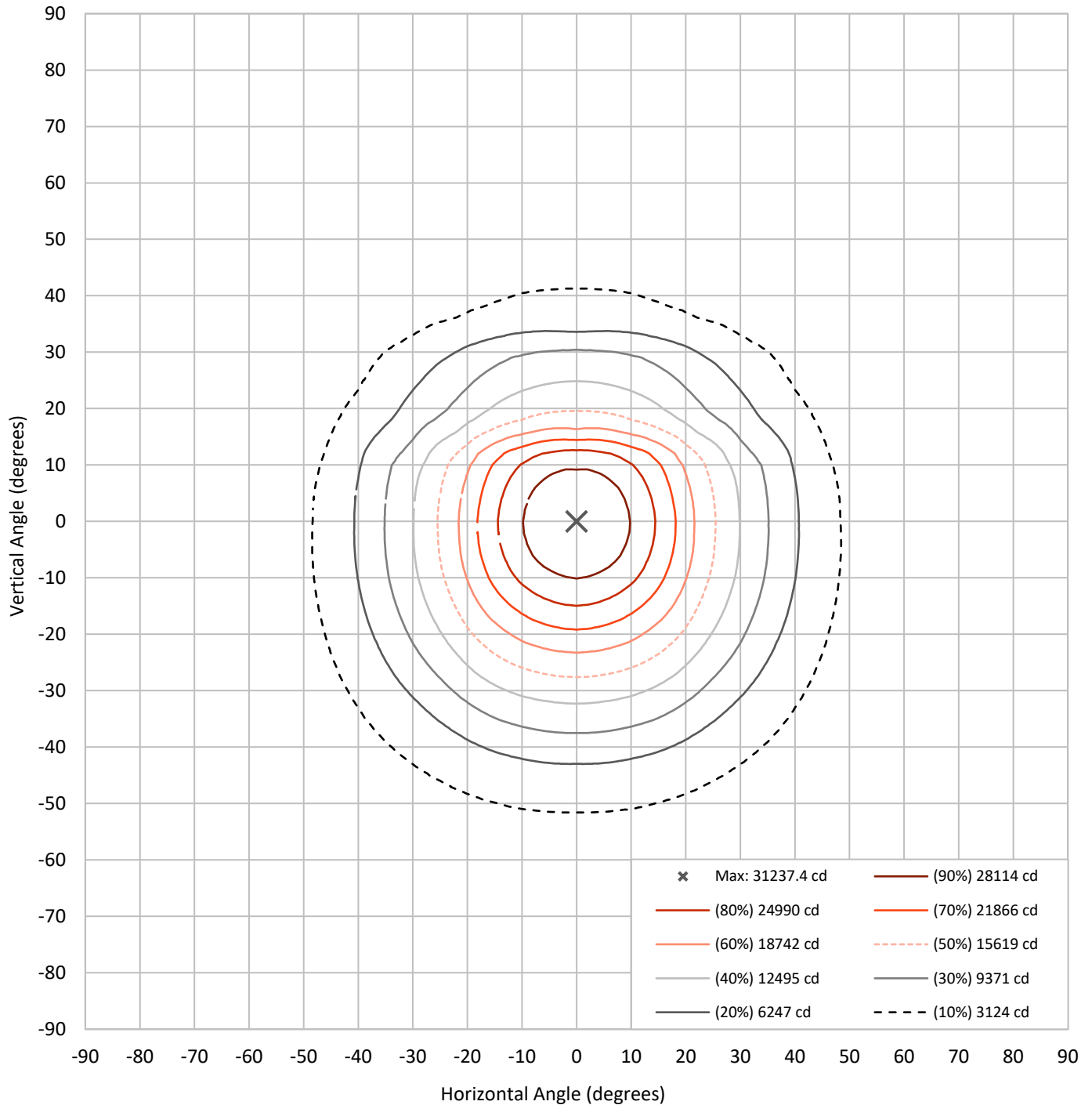
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	27558.1 lumens	Max Intensity:	31237.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	50.9°H x 47.1°V	Field Angle (10%):	96.7°H x 92.9°V
Beam Lumens:	13267.9 lumens	Field Lumens:	24673.9 lumens
Beam Efficiency:	48.1%	Field Efficiency:	89.5%
Input Watts (W):	255.9		
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		



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

Iso-Candela Plot





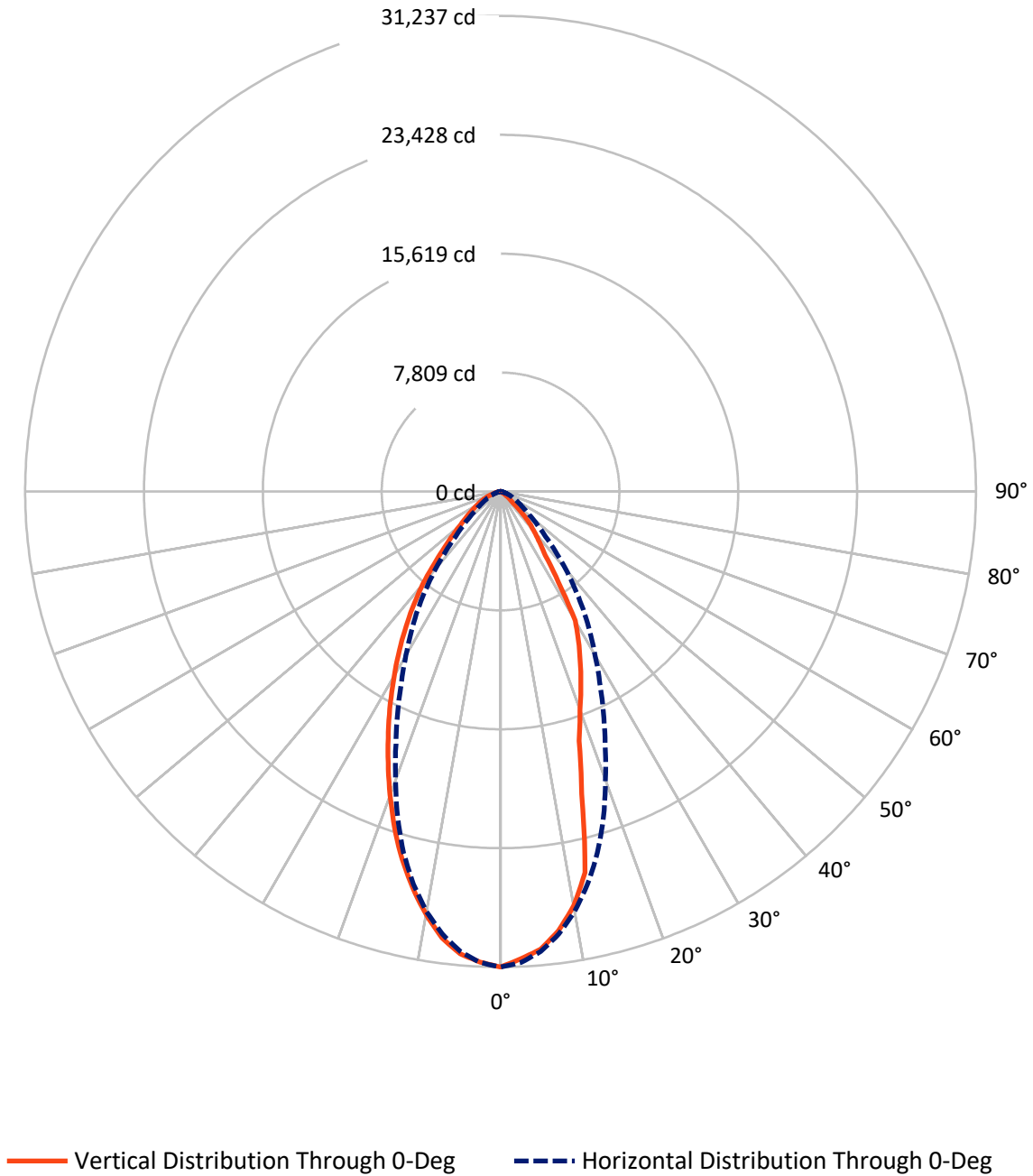
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Lumen Table

90																			
80	0.0	0.1		0.2		0.0		0.0		0.0		0.2		0.1		0.0			
70																			
60	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1			
50		0.6	1.4	2.6	4.3	6.4	8.7	9.8	9.8	8.7	6.4	4.3	2.6	1.4	0.6				
40	1.2	2.1	5.3	11.2	20.5	33.6	48.6	59.5	59.5	48.6	33.6	20.5	11.2	5.3	2.1	1.2			
30		4.2	10.7	24.9	51.5	94.5	144.5	173.8	173.8	144.5	94.5	51.5	24.9	10.7	4.2				
20	3.0	6.6	17.5	45.3	107.1	201.0	305.9	368.7	368.7	305.9	201.0	107.1	45.3	17.5	6.6	3.0			
10		8.9	24.9	70.9	176.1	325.7	508.9	629.1	629.1	508.9	325.7	176.1	70.9	24.9	8.9				
0	4.3	10.4	31.2	91.8	231.3	431.0	692.1	877.4	877.4	692.1	431.0	231.3	91.8	31.2	10.4	4.3			
-10		10.9	32.5	94.7	234.6	437.3	699.1	882.9	882.9	699.1	437.3	234.6	94.7	32.5	10.9				
-20	4.6	10.7	30.8	84.4	207.9	383.9	591.8	730.3	730.3	591.8	383.9	207.9	84.4	30.8	10.7	4.6			
-30		9.8	26.7	66.1	155.1	289.4	431.4	517.3	517.3	431.4	289.4	155.1	66.1	26.7	9.8				
-40	3.9	8.6	21.6	47.7	97.6	179.6	270.9	322.5	322.5	270.9	179.6	97.6	47.7	21.6	8.6	3.9			
-50		7.2	16.7	33.0	58.7	94.0	134.8	160.5	160.5	134.8	94.0	58.7	33.0	16.7	7.2				
-60	2.5	5.6	12.2	22.0	35.8	51.5	66.6	75.4	75.4	66.6	51.5	35.8	22.0	12.2	5.6	2.5			
-70		3.9	8.1	13.5	20.8	28.3	34.7	37.8	37.8	34.7	28.3	20.8	13.5	8.1	3.9				
-80	0.7	7.8		20.2		36.2		33.0		36.2		20.2		7.8		0.7			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

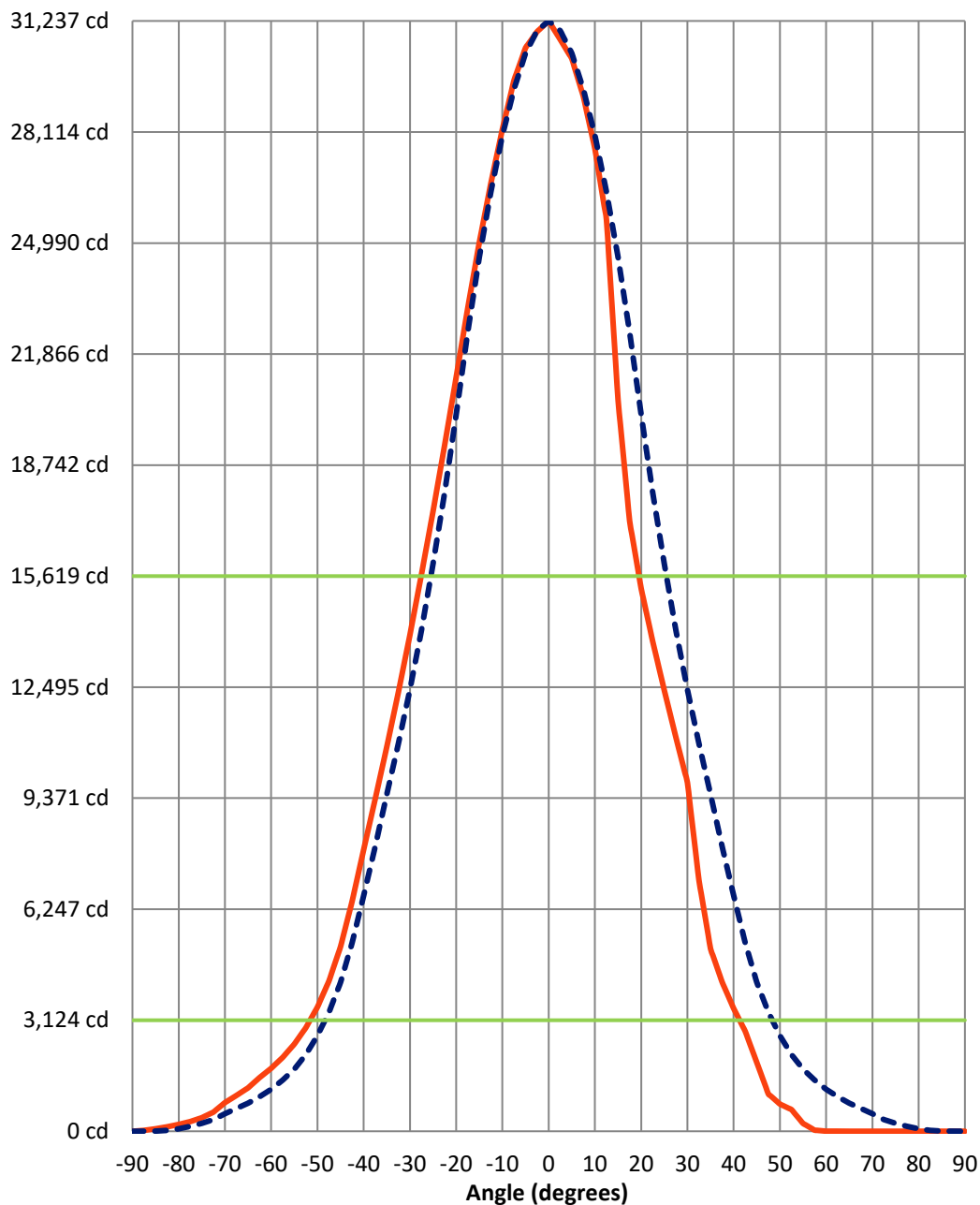
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 50.9°
 V Angle: 47.1°
 Lumens: 13267.9
 Efficiency: 48.1%

Field:
 H Angle: 96.7°
 V Angle: 92.9°
 Lumens: 24673.9
 Efficiency: 89.5%

Spill:
 Lumens: 2884.2
 Efficiency: 10.5%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
85°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
82.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.2	2.2	2.2
80°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.2	2.2	2.2	2.2
77.5°	0.0	0.5	1.0	1.4	1.9	2.2	2.2	2.2	2.2	2.2	2.2
75°	0.0	0.6	1.1	1.7	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	0.0	0.7	1.3	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	0.0	0.8	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
67.5°	0.0	0.8	1.7	2.2	2.2	2.2	2.4	2.2	2.2	2.9	2.8
65°	0.0	0.9	1.9	2.2	2.2	2.4	2.7	2.2	3.2	3.6	4.3
62.5°	0.0	1.0	2.0	2.2	2.2	3.0	3.0	3.0	4.2	6.0	9.3
60°	0.0	1.1	2.2	2.2	2.2	3.5	3.5	4.2	5.4	14.7	15.9
57.5°	0.0	1.2	2.2	2.2	2.8	4.2	6.0	5.8	14.5	24.8	27.3
55°	0.0	1.3	2.3	2.2	3.5	4.9	9.2	8.5	26.6	37.5	42.4
52.5°	0.0	1.3	2.3	2.2	4.2	6.1	12.9	21.0	39.8	55.7	60.0
50°	0.0	1.4	2.4	2.2	5.0	10.0	17.0	34.7	55.6	75.8	91.7
47.5°	0.0	1.5	2.4	2.3	5.7	14.1	22.7	48.5	76.4	98.0	124.4
45°	0.0	1.6	2.5	3.0	6.5	18.5	34.8	62.5	97.3	126.9	156.7
42.5°	0.0	1.6	2.6	3.6	7.4	23.2	46.8	79.0	118.1	155.5	192.6
40°	0.0	1.7	2.6	4.4	9.7	28.1	58.8	97.0	139.7	183.4	230.0
37.5°	0.0	1.7	2.7	5.3	13.5	33.2	70.6	114.8	163.1	212.1	268.3
35°	0.0	1.8	2.8	6.4	17.4	41.2	82.4	132.4	186.7	246.4	309.9
32.5°	0.0	1.9	2.9	7.5	21.3	50.5	94.9	149.6	210.2	281.6	356.7
30°	0.0	1.9	3.0	8.7	25.2	59.6	108.8	167.2	233.7	317.6	403.9
27.5°	0.0	2.0	3.2	10.0	29.7	68.4	122.4	186.4	259.6	354.2	451.3
25°	0.0	2.0	3.3	11.3	34.2	76.9	135.4	205.1	289.3	393.0	498.6
22.5°	0.0	2.0	3.4	12.7	38.6	85.1	147.9	223.4	318.8	432.4	546.6
20°	0.0	2.1	3.5	14.1	42.8	93.2	159.8	241.1	347.8	470.9	592.4
17.5°	0.0	2.1	3.7	15.5	46.9	100.7	170.9	258.0	376.0	508.3	635.7
15°	0.0	2.1	3.8	16.9	50.8	107.8	181.0	273.1	403.3	544.3	676.6
12.5°	0.0	2.1	3.9	18.3	54.5	114.3	190.3	285.7	425.9	578.7	714.9
10°	0.0	2.2	4.0	19.7	58.0	120.3	198.7	296.9	443.9	599.0	745.0
7.5°	0.0	2.2	4.2	21.0	61.3	125.7	206.2	306.8	459.8	614.5	760.7
5°	0.0	2.2	4.3	22.2	64.2	130.6	212.8	315.3	473.4	626.8	773.4
2.5°	0.0	2.2	4.4	23.4	66.9	134.8	218.4	322.4	484.5	636.1	783.2
0°	0.0	2.2	4.5	24.5	69.2	138.3	223.1	328.0	493.1	642.6	789.9
-2.5°	0.0	2.3	5.2	26.1	72.4	142.7	229.2	337.5	502.7	651.9	800.4
-5°	0.0	2.5	5.8	27.5	75.2	146.3	234.2	345.3	509.8	658.5	807.8
-7.5°	0.0	2.6	6.5	28.8	77.5	149.3	238.2	351.6	514.2	662.7	812.2
-10°	0.0	2.7	7.1	29.9	79.5	151.5	241.0	356.0	516.2	664.3	813.5
-12.5°	0.0	2.9	7.7	30.9	80.9	153.0	242.7	358.5	515.5	663.3	809.7
-15°	0.0	3.0	8.2	31.7	81.9	153.7	243.2	359.0	511.8	657.5	801.9
-17.5°	0.0	3.1	8.7	32.3	82.3	153.6	242.5	358.3	505.2	649.7	791.0
-20°	0.0	3.1	9.2	32.7	82.2	152.7	241.8	356.6	496.9	639.9	777.1

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Scaled Data Report



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.2	9.6	32.9	81.6	151.1	242.0	353.4	487.1	628.2	760.2
-25°	0.0	3.3	10.0	32.9	80.3	150.5	240.9	348.7	476.0	614.9	740.4
-27.5°	0.0	3.3	10.3	32.7	78.5	149.9	238.6	342.5	463.6	599.4	722.1
-30°	0.0	3.4	10.5	32.2	76.2	148.3	235.0	334.9	452.6	582.0	702.5
-32.5°	0.0	3.4	10.7	31.5	75.3	145.7	230.3	328.6	441.8	563.8	681.4
-35°	0.0	3.4	10.8	30.6	73.7	142.2	225.8	321.8	429.6	545.1	659.1
-37.5°	0.0	3.4	10.8	29.5	71.5	138.4	220.7	313.5	415.9	525.8	632.8
-40°	0.0	3.3	10.8	28.1	68.6	135.1	214.3	303.8	400.9	507.7	604.7
-42.5°	0.0	3.3	10.7	26.8	66.6	130.8	206.8	292.7	387.0	484.4	574.8
-45°	0.0	3.2	10.5	25.8	65.3	125.7	198.0	281.1	372.7	459.4	543.6
-47.5°	0.0	3.2	10.3	24.4	63.3	119.8	188.0	269.3	356.7	433.5	514.9
-50°	0.0	3.1	9.9	23.9	60.6	113.0	179.2	256.1	335.7	409.8	485.2
-52.5°	0.0	3.0	9.5	23.6	57.3	105.4	169.8	241.4	314.8	385.2	455.1
-55°	0.0	2.8	9.1	23.0	53.3	99.2	159.3	225.7	293.3	359.5	426.7
-57.5°	0.0	2.7	8.6	22.0	48.8	92.5	147.8	211.7	270.7	333.6	397.3
-60°	0.0	2.6	8.0	20.8	43.7	84.8	135.6	194.8	247.5	306.8	367.0
-62.5°	0.0	2.4	7.5	19.3	40.7	76.3	123.7	176.0	224.6	278.9	335.7
-65°	0.0	2.2	7.0	17.6	37.2	67.0	110.7	156.4	200.1	249.5	303.2
-67.5°	0.0	2.0	6.4	15.7	33.3	58.6	96.5	136.7	174.3	218.4	267.2
-70°	0.0	1.8	5.8	13.5	28.9	51.4	81.4	116.3	149.9	185.8	228.5
-72.5°	0.0	1.6	5.2	11.9	24.2	43.6	69.2	95.2	124.8	156.3	189.5
-75°	0.0	1.4	4.5	10.4	19.3	35.3	56.8	77.6	99.0	126.1	154.6
-77.5°	0.0	1.2	3.8	8.8	15.9	26.6	43.8	60.9	78.6	97.3	119.0
-80°	0.0	1.0	3.1	7.1	12.9	20.3	30.2	44.0	58.5	73.7	89.6
-82.5°	0.0	0.7	2.3	5.4	9.8	15.4	22.3	29.4	38.0	49.7	62.0
-85°	0.0	0.5	1.5	3.6	6.5	10.3	14.9	19.7	25.1	31.0	37.5
-87.5°	0.0	0.2	0.8	1.8	3.3	5.2	7.5	9.9	12.6	15.6	18.8
-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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 CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

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°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7
85°	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	1.8
67.5°	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	1.7	1.1
65°	2.2	2.2	3.0	3.3	2.3	2.2	2.2	2.2	2.3	2.0	2.0
62.5°	3.2	4.0	5.0	7.7	5.8	2.2	4.3	5.1	3.4	2.8	3.0
60°	9.7	6.7	17.1	23.8	15.5	8.2	10.1	20.2	16.7	4.6	11.8
57.5°	19.7	24.3	43.2	45.3	34.8	23.6	51.7	57.3	47.5	29.9	43.0
55°	41.0	57.7	72.9	72.1	72.5	91.1	107.1	105.2	92.8	127.9	161.1
52.5°	77.7	95.0	105.1	114.5	140.5	157.9	162.8	172.6	209.0	252.6	260.4
50°	114.0	131.8	145.2	179.1	205.8	219.4	232.2	265.5	320.5	350.3	355.1
47.5°	150.8	170.7	205.8	242.9	268.6	289.3	311.4	387.1	448.4	473.9	483.1
45°	189.2	223.6	267.3	305.4	335.3	363.3	435.1	538.4	581.6	620.6	719.8
42.5°	229.1	280.8	330.1	370.0	403.7	462.3	562.1	662.3	724.1	807.0	926.8
40°	279.8	337.9	395.0	435.6	477.7	566.4	690.1	796.0	861.5	972.7	1109.2
37.5°	331.4	399.3	461.0	503.8	562.9	683.0	828.3	955.2	1036.3	1126.8	1346.3
35°	382.4	461.9	525.2	582.7	655.7	821.2	1000.3	1141.5	1241.8	1396.9	1674.5
32.5°	436.8	525.7	590.4	668.7	788.7	973.7	1193.6	1350.4	1516.7	1739.9	2184.7
30°	494.7	585.4	659.9	753.9	914.9	1130.7	1386.0	1583.0	1808.8	2171.2	2650.6
27.5°	552.5	644.9	736.6	856.2	1033.0	1266.2	1532.8	1843.4	2135.2	2540.5	3064.5
25°	607.9	705.6	811.9	956.4	1147.6	1391.7	1682.7	2041.1	2421.8	2885.4	3500.7
22.5°	660.9	767.2	891.5	1046.9	1244.3	1510.9	1857.9	2278.8	2736.3	3216.5	3923.6
20°	712.9	835.9	978.7	1152.5	1333.3	1620.7	2029.2	2538.9	3112.2	3770.1	4463.1
17.5°	764.2	903.9	1068.6	1261.9	1480.9	1775.0	2204.9	2811.6	3509.4	4365.7	5218.9
15°	814.4	970.4	1155.6	1369.9	1629.7	1981.4	2469.6	3136.4	3979.5	5004.9	6015.6
12.5°	863.2	1035.0	1239.1	1475.4	1774.1	2175.6	2719.0	3438.4	4404.5	5629.5	6871.1
10°	909.9	1096.9	1318.3	1577.2	1912.4	2356.3	2939.5	3699.7	4725.2	5987.6	7368.5
7.5°	933.7	1138.9	1386.0	1674.0	2042.9	2522.3	3131.4	3920.5	4975.7	6275.6	7660.2
5°	950.7	1158.1	1411.4	1712.7	2114.7	2635.1	3278.2	4101.1	5160.3	6492.3	7857.7
2.5°	963.8	1171.9	1430.0	1734.6	2143.0	2672.7	3326.7	4164.1	5259.3	6605.3	7972.8
0°	972.8	1180.3	1441.4	1747.1	2157.6	2690.9	3349.1	4190.3	5301.4	6631.2	8014.6
-2.5°	982.3	1191.8	1453.4	1766.5	2178.1	2715.6	3373.7	4208.8	5332.9	6638.4	8037.3
-5°	987.8	1198.0	1458.1	1775.9	2184.7	2720.3	3371.9	4191.2	5307.8	6586.3	7988.1
-7.5°	989.4	1198.7	1455.5	1774.0	2176.3	2699.2	3336.3	4138.8	5221.3	6480.9	7867.5
-10°	986.9	1193.5	1445.9	1757.9	2151.8	2655.4	3272.6	4048.2	5079.0	6306.8	7663.6
-12.5°	979.7	1182.3	1428.7	1731.7	2112.3	2593.1	3182.8	3919.0	4881.5	6064.8	7376.3
-15°	968.2	1165.7	1403.8	1695.3	2057.9	2512.9	3067.4	3751.3	4627.2	5757.2	7018.5
-17.5°	952.2	1143.6	1371.3	1648.9	1988.4	2415.5	2927.9	3554.9	4353.0	5413.9	6620.7
-20°	931.9	1116.2	1331.1	1592.6	1908.2	2312.9	2798.5	3381.0	4096.3	5020.8	6151.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	907.2	1083.4	1288.5	1538.6	1837.1	2206.4	2653.7	3183.9	3808.4	4566.4	5639.0
-25°	881.8	1052.1	1247.1	1478.6	1755.8	2085.7	2488.1	2971.1	3536.7	4230.5	5117.3
-27.5°	856.7	1016.0	1199.2	1409.3	1664.8	1961.1	2332.3	2772.8	3276.8	3866.7	4588.9
-30°	828.5	975.7	1146.4	1336.8	1577.5	1852.7	2173.5	2550.9	2999.0	3532.1	4159.9
-32.5°	797.7	932.4	1095.3	1274.0	1484.0	1734.5	2012.0	2353.3	2743.2	3183.0	3725.6
-35°	767.0	895.6	1042.9	1206.3	1383.6	1618.2	1873.2	2156.4	2488.1	2877.5	3311.4
-37.5°	737.5	855.3	986.7	1139.1	1305.5	1500.2	1725.6	1981.2	2266.7	2576.5	2951.4
-40°	704.6	811.9	936.2	1074.2	1221.4	1390.2	1593.3	1810.3	2056.1	2328.7	2618.2
-42.5°	668.9	772.0	885.4	1004.3	1139.3	1290.2	1458.6	1657.1	1861.3	2089.7	2342.4
-45°	633.8	728.5	832.4	940.9	1054.5	1187.7	1340.7	1505.8	1686.9	1873.3	2085.6
-47.5°	596.9	683.4	780.1	874.7	975.3	1088.9	1218.8	1368.6	1519.6	1685.6	1850.2
-50°	560.0	641.1	722.4	810.7	900.8	995.4	1105.1	1234.4	1371.8	1509.5	1654.4
-52.5°	526.9	597.1	670.5	746.3	828.4	912.6	1004.0	1110.6	1230.7	1352.0	1476.9
-55°	493.2	557.8	618.5	686.4	757.4	833.2	914.7	1004.3	1095.0	1205.6	1313.0
-57.5°	460.2	517.5	570.3	628.1	691.3	755.7	829.1	905.3	987.7	1071.2	1159.1
-60°	427.0	475.8	523.7	573.7	626.7	684.0	743.1	810.0	880.6	953.1	1029.3
-62.5°	392.8	432.4	474.6	520.4	567.1	611.1	660.7	715.4	773.6	835.9	900.5
-65°	354.6	387.3	422.5	462.4	506.3	541.8	579.7	620.9	669.0	720.3	771.0
-67.5°	313.7	342.7	371.4	401.0	436.6	468.4	499.6	532.3	568.3	610.2	650.9
-70°	268.1	297.1	322.4	347.0	369.5	392.2	418.7	444.6	473.6	511.2	548.2
-72.5°	221.8	249.0	273.0	293.8	309.7	323.2	339.5	358.2	386.1	421.0	453.6
-75°	179.4	201.3	223.8	243.7	254.0	258.1	261.4	271.3	299.5	335.3	367.0
-77.5°	139.8	158.8	177.1	194.5	201.7	204.6	205.9	205.9	226.6	257.1	289.3
-80°	102.9	116.2	131.7	146.6	151.0	152.3	152.5	151.6	168.6	190.5	214.0
-82.5°	71.5	81.1	90.9	101.1	102.4	101.7	100.2	98.8	112.5	128.4	144.6
-85°	41.7	45.7	51.7	57.9	58.6	58.3	57.2	55.4	63.1	71.7	80.8
-87.5°	20.9	22.9	24.9	26.9	26.2	25.1	23.8	22.1	24.2	26.4	28.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.4	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.2	1.7	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.2	1.7	1.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.2	1.7	1.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.2	1.8	1.2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.2	1.8	1.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	2.2	1.9	1.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.3	0.6	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.0	1.1	1.1	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.3	2.2	1.6	1.1	0.5	0.4	0.5	0.5	0.2	0.0	0.0
62.5°	2.9	2.8	2.0	1.9	2.0	2.2	1.8	1.5	1.5	1.6	1.8
60°	12.6	7.2	7.3	9.3	7.9	3.6	7.3	9.2	8.6	6.5	5.7
57.5°	64.0	53.6	37.4	62.8	64.6	45.0	48.9	63.8	61.8	47.8	47.6
55°	161.4	163.7	175.7	191.6	203.4	208.8	213.6	237.6	263.3	288.4	300.9
52.5°	266.5	297.7	336.5	362.1	380.1	416.8	468.2	491.9	514.8	540.9	559.8
50°	392.5	446.7	485.7	491.3	552.4	592.1	601.5	645.8	694.1	724.1	745.7
47.5°	584.0	652.5	686.4	708.1	782.5	864.1	864.2	889.7	1010.5	1073.7	1104.2
45°	841.1	898.2	958.3	1114.2	1257.5	1303.0	1400.3	1532.1	1617.8	1735.7	1865.4
42.5°	1060.1	1167.4	1317.7	1489.4	1633.0	1752.6	1897.2	2055.7	2246.0	2425.1	2579.6
40°	1276.8	1409.6	1595.8	1782.5	1963.4	2129.1	2362.2	2566.0	2790.6	3036.9	3242.2
37.5°	1559.6	1729.7	1922.0	2157.4	2439.0	2623.0	2943.6	3236.5	3489.5	3786.9	3970.1
35°	1994.0	2215.6	2385.8	2861.8	3204.3	3419.5	3799.1	4280.4	4465.2	4839.7	5017.4
32.5°	2540.0	2834.5	3282.7	3912.9	4370.4	4766.5	5333.8	5822.2	6238.5	6614.6	7005.9
30°	3153.6	3608.0	4268.7	5106.1	5570.7	6125.5	6892.7	7471.8	8124.7	8841.3	9092.3
27.5°	3710.4	4391.1	5158.1	5836.5	6503.8	7194.8	7948.6	8692.5	9399.2	9995.5	10395.6
25°	4226.4	5050.8	5796.3	6521.1	7244.2	8022.4	8875.0	9718.8	10496.3	11109.9	11576.4
22.5°	4758.8	5629.6	6427.1	7162.7	8003.7	8885.6	9792.3	10760.1	11645.0	12281.6	12789.8
20°	5259.2	6227.8	7137.5	7974.9	8770.0	9788.0	10832.1	11858.7	12822.3	13580.6	14166.5
17.5°	6053.6	6894.4	8006.2	9094.1	9989.8	10925.0	12320.2	13379.7	14449.1	15357.2	15978.4
15°	7029.2	7953.7	9101.8	10595.9	11823.1	12894.6	14336.0	16059.6	17320.9	18480.1	19275.4
12.5°	8005.5	9051.2	10293.0	11974.5	13721.7	14983.9	16732.6	18916.6	20385.7	22180.5	23065.3
10°	8753.8	10067.0	11345.9	12880.3	14558.3	16355.6	18240.7	20283.9	22246.9	23788.1	25165.8
7.5°	9055.1	10453.9	11934.3	13499.9	15177.8	17032.7	19041.8	21167.9	23188.2	24909.6	26423.6
5°	9280.3	10713.6	12203.7	13804.5	15598.2	17535.3	19574.3	21806.5	23869.7	25714.7	27263.6
2.5°	9423.4	10870.2	12353.9	13981.4	15867.9	17862.4	19967.0	22258.3	24352.5	26251.8	27795.8
0°	9478.3	10904.1	12423.5	14099.2	15966.8	17965.9	20161.5	22479.7	24590.5	26426.8	28015.4
-2.5°	9485.7	10872.5	12428.1	14095.6	15882.5	17900.4	20122.4	22421.4	24489.3	26318.2	27921.0
-5°	9411.3	10797.5	12354.5	13996.7	15786.1	17788.8	19915.5	22137.0	24109.2	25889.2	27432.4
-7.5°	9260.3	10642.7	12165.3	13769.9	15511.0	17453.6	19496.2	21561.6	23496.3	25203.5	26676.2
-10°	9036.4	10389.6	11859.5	13422.9	15070.4	16918.2	18865.8	20839.2	22653.6	24232.3	25594.1
-12.5°	8733.1	10055.1	11458.8	12951.3	14484.9	16246.6	18085.5	19938.6	21592.4	23033.6	24255.5
-15°	8339.2	9630.3	10989.5	12401.0	13888.2	15481.3	17131.8	18831.5	20356.6	21634.8	22751.1
-17.5°	7875.2	9127.5	10418.2	11726.7	13137.8	14632.5	16164.5	17690.3	18991.1	20126.6	21147.3
-20°	7357.9	8564.5	9790.5	11010.3	12290.6	13672.9	15087.9	16428.2	17564.9	18596.6	19530.7



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6777.9	7932.8	9107.9	10249.5	11404.0	12655.6	13919.3	15131.4	16194.6	17077.2	17888.9
-25°	6157.1	7224.1	8333.8	9404.1	10466.7	11588.4	12736.2	13851.3	14787.1	15553.4	16224.1
-27.5°	5531.4	6506.5	7484.2	8491.9	9474.0	10509.0	11548.2	12511.4	13351.6	14057.1	14620.7
-30°	4873.8	5745.6	6638.4	7550.1	8488.0	9435.1	10374.1	11217.4	11950.8	12571.4	13058.5
-32.5°	4327.3	4989.5	5777.8	6605.5	7484.6	8347.6	9164.4	9933.1	10624.2	11166.0	11579.1
-35°	3803.5	4364.3	4954.6	5687.2	6442.5	7236.7	7988.0	8674.1	9290.1	9763.6	10152.1
-37.5°	3353.2	3796.7	4295.9	4818.9	5452.2	6108.7	6786.8	7432.0	7981.4	8394.4	8741.5
-40°	2963.4	3313.6	3712.5	4127.1	4593.0	5064.7	5655.1	6199.6	6648.0	7034.1	7348.6
-42.5°	2611.0	2906.6	3201.1	3541.2	3892.7	4271.9	4686.2	5089.0	5433.1	5756.2	6023.3
-45°	2306.9	2542.9	2777.8	3040.4	3298.5	3606.9	3902.9	4167.0	4445.8	4687.7	4878.1
-47.5°	2040.9	2225.0	2426.3	2622.8	2830.0	3062.3	3282.5	3483.5	3687.8	3864.7	4006.6
-50°	1804.5	1957.0	2121.4	2275.9	2443.5	2613.3	2776.2	2936.1	3091.3	3225.9	3330.6
-52.5°	1597.6	1730.9	1858.9	1981.9	2115.3	2241.0	2358.9	2490.8	2612.2	2718.2	2789.9
-55°	1421.4	1530.3	1635.2	1737.9	1838.7	1934.0	2028.1	2130.5	2224.1	2308.4	2361.8
-57.5°	1256.0	1348.7	1437.5	1521.4	1601.4	1677.1	1756.3	1835.1	1907.3	1970.8	2012.1
-60°	1105.5	1181.1	1258.0	1326.5	1391.0	1451.5	1518.2	1581.2	1639.5	1688.4	1717.0
-62.5°	967.6	1035.5	1092.2	1146.4	1201.3	1255.8	1303.2	1349.7	1394.6	1432.5	1457.4
-65°	823.5	881.0	929.3	972.8	1012.1	1054.4	1094.7	1131.2	1163.7	1188.3	1204.1
-67.5°	694.5	736.8	775.5	810.1	845.2	879.0	910.1	937.8	962.1	979.3	990.7
-70°	582.4	614.7	646.4	677.8	709.1	735.5	758.0	778.7	797.5	805.3	808.8
-72.5°	484.0	512.6	540.5	568.2	594.2	614.8	631.4	646.6	660.2	648.5	627.9
-75°	394.7	419.9	445.9	470.4	493.3	509.1	521.4	532.7	543.0	517.5	482.4
-77.5°	321.7	343.9	363.1	382.2	401.0	411.1	418.9	426.6	434.0	405.4	369.5
-80°	238.7	256.5	272.8	288.9	304.7	310.7	314.1	316.5	317.8	293.4	265.2
-82.5°	161.2	170.5	179.5	188.8	198.4	203.4	207.2	210.1	212.2	194.9	175.4
-85°	90.3	93.1	95.3	97.2	98.8	101.9	104.9	107.7	110.2	102.0	92.9
-87.5°	31.0	31.0	30.9	30.7	30.4	30.4	30.4	30.3	30.1	28.8	27.4
-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: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5
62.5°	2.0	2.1	2.2	2.2	2.2	2.1	2.0	1.8	1.6	1.5	1.5
60°	4.4	2.7	2.2	2.2	2.2	2.7	4.4	5.7	6.5	8.6	9.2
57.5°	44.4	38.7	34.7	31.2	34.7	38.7	44.4	47.6	47.8	61.8	63.8
55°	295.5	275.1	250.2	220.9	250.2	275.1	295.5	300.9	288.4	263.3	237.6
52.5°	579.7	599.0	610.1	609.1	610.1	599.0	579.7	559.8	540.9	514.8	491.9
50°	763.0	773.5	774.0	765.3	774.0	773.5	763.0	745.7	724.1	694.1	645.8
47.5°	1117.9	1103.2	1078.1	1050.9	1078.1	1103.2	1117.9	1104.2	1073.7	1010.5	889.7
45°	1950.7	1997.7	1994.7	1934.5	1994.7	1997.7	1950.7	1865.4	1735.7	1617.8	1532.1
42.5°	2665.9	2736.2	2786.0	2811.4	2786.0	2736.2	2665.9	2579.6	2425.1	2246.0	2055.7
40°	3357.8	3425.7	3455.7	3454.0	3455.7	3425.7	3357.8	3242.2	3036.9	2790.6	2566.0
37.5°	4088.9	4176.9	4219.5	4199.2	4219.5	4176.9	4088.9	3970.1	3786.9	3489.5	3236.5
35°	5094.3	5176.7	5178.2	5136.3	5178.2	5176.7	5094.3	5017.4	4839.7	4465.2	4280.4
32.5°	7316.6	7344.1	7132.5	7057.4	7132.5	7344.1	7316.6	7005.9	6614.6	6238.5	5822.2
30°	9342.1	9537.4	9719.2	9810.8	9719.2	9537.4	9342.1	9092.3	8841.3	8124.7	7471.8
27.5°	10697.3	10932.2	11077.8	11087.0	11077.8	10932.2	10697.3	10395.6	9995.5	9399.2	8692.5
25°	11929.8	12192.6	12351.3	12405.7	12351.3	12192.6	11929.8	11576.4	11109.9	10496.3	9718.8
22.5°	13221.1	13530.8	13735.9	13777.9	13735.9	13530.8	13221.1	12789.8	12281.6	11645.0	10760.1
20°	14719.3	15079.7	15276.4	15268.4	15276.4	15079.7	14719.3	14166.5	13580.6	12822.3	11858.7
17.5°	16691.7	17078.2	17248.1	17173.9	17248.1	17078.2	16691.7	15978.4	15357.2	14449.1	13379.7
15°	20091.7	20900.2	20897.0	20574.3	20897.0	20900.2	20091.7	19275.4	18480.1	17320.9	16059.6
12.5°	24285.5	24888.0	25506.3	25639.2	25506.3	24888.0	24285.5	23065.3	22180.5	20385.7	18916.6
10°	26326.1	27126.4	27654.5	27640.6	27654.5	27126.4	26326.1	25165.8	23788.1	22246.9	20283.9
7.5°	27602.8	28486.9	29127.0	29113.2	29127.0	28486.9	27602.8	26423.6	24909.6	23188.2	21167.9
5°	28588.1	29568.7	30135.6	30177.5	30135.6	29568.7	28588.1	27263.6	25714.7	23869.7	21806.5
2.5°	29100.0	30123.4	30804.9	30715.2	30804.9	30123.4	29100.0	27795.8	26251.8	24352.5	22258.3
0°	29314.0	30327.0	30962.9	31237.4	30962.9	30327.0	29314.0	28015.4	26426.8	24590.5	22479.7
-2.5°	29220.6	30206.2	30909.0	30936.1	30909.0	30206.2	29220.6	27921.0	26318.2	24489.3	22421.4
-5°	28719.9	29760.0	30230.9	30481.0	30230.9	29760.0	28719.9	27432.4	25889.2	24109.2	22137.0
-7.5°	27912.5	28692.0	29290.0	29566.2	29290.0	28692.0	27912.5	26676.2	25203.5	23496.3	21561.6
-10°	26655.8	27462.8	27968.3	28196.2	27968.3	27462.8	26655.8	25594.1	24232.3	22653.6	20839.2
-12.5°	25263.8	25997.2	26477.7	26670.0	26477.7	25997.2	25263.8	24255.5	23033.6	21592.4	19938.6
-15°	23710.6	24376.5	24818.8	25003.3	24818.8	24376.5	23710.6	22751.1	21634.8	20356.6	18831.5
-17.5°	22001.0	22584.4	23025.1	23158.0	23025.1	22584.4	22001.0	21147.3	20126.6	18991.1	17690.3
-20°	20242.9	20770.4	21133.4	21212.4	21133.4	20770.4	20242.9	19530.7	18596.6	17564.9	16428.2



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18471.6	18906.1	19200.9	19300.2	19200.9	18906.1	18471.6	17888.9	17077.2	16194.6	15131.4
-25°	16740.4	17115.5	17352.8	17441.6	17352.8	17115.5	16740.4	16224.1	15553.4	14787.1	13851.3
-27.5°	15075.5	15425.1	15643.1	15672.2	15643.1	15425.1	15075.5	14620.7	14057.1	13351.6	12511.4
-30°	13437.2	13726.1	13894.1	13965.3	13894.1	13726.1	13437.2	13058.5	12571.4	11950.8	11217.4
-32.5°	11906.3	12158.6	12309.6	12349.9	12309.6	12158.6	11906.3	11579.1	11166.0	10624.2	9933.1
-35°	10461.0	10694.0	10827.9	10817.1	10827.9	10694.0	10461.0	10152.1	9763.6	9290.1	8674.1
-37.5°	9028.4	9243.3	9364.7	9353.4	9364.7	9243.3	9028.4	8741.5	8394.4	7981.4	7432.0
-40°	7607.1	7792.6	7899.5	7925.4	7899.5	7792.6	7607.1	7348.6	7034.1	6648.0	6199.6
-42.5°	6245.3	6416.5	6502.1	6468.4	6502.1	6416.5	6245.3	6023.3	5756.2	5433.1	5089.0
-45°	5011.3	5099.8	5158.0	5194.3	5158.0	5099.8	5011.3	4878.1	4687.7	4445.8	4167.0
-47.5°	4110.5	4183.9	4223.5	4230.4	4223.5	4183.9	4110.5	4006.6	3864.7	3687.8	3483.5
-50°	3412.0	3474.4	3502.0	3494.1	3502.0	3474.4	3412.0	3330.6	3225.9	3091.3	2936.1
-52.5°	2841.5	2877.7	2902.1	2914.0	2902.1	2877.7	2841.5	2789.9	2718.2	2612.2	2490.8
-55°	2401.9	2430.1	2446.5	2452.1	2446.5	2430.1	2401.9	2361.8	2308.4	2224.1	2130.5
-57.5°	2046.5	2073.3	2083.0	2079.5	2083.0	2073.3	2046.5	2012.1	1970.8	1907.3	1835.1
-60°	1738.9	1754.2	1765.7	1771.6	1765.7	1754.2	1738.9	1717.0	1688.4	1639.5	1581.2
-62.5°	1477.2	1491.6	1503.6	1510.5	1503.6	1491.6	1477.2	1457.4	1432.5	1394.6	1349.7
-65°	1215.1	1221.4	1223.2	1220.5	1223.2	1221.4	1215.1	1204.1	1188.3	1163.7	1131.2
-67.5°	999.1	1004.4	1008.0	1008.5	1008.0	1004.4	999.1	990.7	979.3	962.1	937.8
-70°	812.2	814.4	811.8	805.5	811.8	814.4	812.2	808.8	805.3	797.5	778.7
-72.5°	606.7	584.5	562.3	537.7	562.3	584.5	606.7	627.9	648.5	660.2	646.6
-75°	446.0	408.4	394.7	381.5	394.7	408.4	446.0	482.4	517.5	543.0	532.7
-77.5°	331.8	292.6	282.1	272.2	282.1	292.6	331.8	369.5	405.4	434.0	426.6
-80°	235.7	205.2	198.4	191.9	198.4	205.2	235.7	265.2	293.4	317.8	316.5
-82.5°	154.9	133.6	129.3	124.9	129.3	133.6	154.9	175.4	194.9	212.2	210.1
-85°	83.3	73.3	71.3	69.2	71.3	73.3	83.3	92.9	102.0	110.2	107.7
-87.5°	26.0	24.4	24.5	24.5	24.5	24.4	26.0	27.4	28.8	30.1	30.3
-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: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-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°	0.0	0.0	0.0	0.5	1.0	1.4	1.8	1.7	1.7	1.6	1.6
85°	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.2	2.2	2.2	2.2
82.5°	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.2	2.2	2.2	2.2
80°	0.0	0.0	0.1	0.6	1.2	1.7	2.2	2.2	2.2	2.2	2.2
77.5°	0.0	0.0	0.1	0.7	1.2	1.8	2.2	2.2	2.2	2.2	2.2
75°	0.0	0.0	0.2	0.7	1.3	1.8	2.2	2.2	2.2	2.2	2.2
72.5°	0.0	0.0	0.2	0.6	1.3	1.9	2.2	2.2	2.2	2.2	2.2
70°	0.0	0.0	0.1	0.1	0.2	0.6	1.3	1.8	2.1	2.2	2.2
67.5°	0.0	0.0	0.4	0.9	1.1	1.1	1.0	1.1	1.7	2.2	2.2
65°	0.5	0.4	0.5	1.1	1.6	2.2	2.3	2.0	2.0	2.3	2.2
62.5°	1.8	2.2	2.0	1.9	2.0	2.8	2.9	3.0	2.8	3.4	5.1
60°	7.3	3.6	7.9	9.3	7.3	7.2	12.6	11.8	4.6	16.7	20.2
57.5°	48.9	45.0	64.6	62.8	37.4	53.6	64.0	43.0	29.9	47.5	57.3
55°	213.6	208.8	203.4	191.6	175.7	163.7	161.4	161.1	127.9	92.8	105.2
52.5°	468.2	416.8	380.1	362.1	336.5	297.7	266.5	260.4	252.6	209.0	172.6
50°	601.5	592.1	552.4	491.3	485.7	446.7	392.5	355.1	350.3	320.5	265.5
47.5°	864.2	864.1	782.5	708.1	686.4	652.5	584.0	483.1	473.9	448.4	387.1
45°	1400.3	1303.0	1257.5	1114.2	958.3	898.2	841.1	719.8	620.6	581.6	538.4
42.5°	1897.2	1752.6	1633.0	1489.4	1317.7	1167.4	1060.1	926.8	807.0	724.1	662.3
40°	2362.2	2129.1	1963.4	1782.5	1595.8	1409.6	1276.8	1109.2	972.7	861.5	796.0
37.5°	2943.6	2623.0	2439.0	2157.4	1922.0	1729.7	1559.6	1346.3	1126.8	1036.3	955.2
35°	3799.1	3419.5	3204.3	2861.8	2385.8	2215.6	1994.0	1674.5	1396.9	1241.8	1141.5
32.5°	5333.8	4766.5	4370.4	3912.9	3282.7	2834.5	2540.0	2184.7	1739.9	1516.7	1350.4
30°	6892.7	6125.5	5570.7	5106.1	4268.7	3608.0	3153.6	2650.6	2171.2	1808.8	1583.0
27.5°	7948.6	7194.8	6503.8	5836.5	5158.1	4391.1	3710.4	3064.5	2540.5	2135.2	1843.4
25°	8875.0	8022.4	7244.2	6521.1	5796.3	5050.8	4226.4	3500.7	2885.4	2421.8	2041.1
22.5°	9792.3	8885.6	8003.7	7162.7	6427.1	5629.6	4758.8	3923.6	3216.5	2736.3	2278.8
20°	10832.1	9788.0	8770.0	7974.9	7137.5	6227.8	5259.2	4463.1	3770.1	3112.2	2538.9
17.5°	12320.2	10925.0	9989.8	9094.1	8006.2	6894.4	6053.6	5218.9	4365.7	3509.4	2811.6
15°	14336.0	12894.6	11823.1	10595.9	9101.8	7953.7	7029.2	6015.6	5004.9	3979.5	3136.4
12.5°	16732.6	14983.9	13721.7	11974.5	10293.0	9051.2	8005.5	6871.1	5629.5	4404.5	3438.4
10°	18240.7	16355.6	14558.3	12880.3	11345.9	10067.0	8753.8	7368.5	5987.6	4725.2	3699.7
7.5°	19041.8	17032.7	15177.8	13499.9	11934.3	10453.9	9055.1	7660.2	6275.6	4975.7	3920.5
5°	19574.3	17535.3	15598.2	13804.5	12203.7	10713.6	9280.3	7857.7	6492.3	5160.3	4101.1
2.5°	19967.0	17862.4	15867.9	13981.4	12353.9	10870.2	9423.4	7972.8	6605.3	5259.3	4164.1
0°	20161.5	17965.9	15966.8	14099.2	12423.5	10904.1	9478.3	8014.6	6631.2	5301.4	4190.3
-2.5°	20122.4	17900.4	15882.5	14095.6	12428.1	10872.5	9485.7	8037.3	6638.4	5332.9	4208.8
-5°	19915.5	17788.8	15786.1	13996.7	12354.5	10797.5	9411.3	7988.1	6586.3	5307.8	4191.2
-7.5°	19496.2	17453.6	15511.0	13769.9	12165.3	10642.7	9260.3	7867.5	6480.9	5221.3	4138.8
-10°	18865.8	16918.2	15070.4	13422.9	11859.5	10389.6	9036.4	7663.6	6306.8	5079.0	4048.2
-12.5°	18085.5	16246.6	14484.9	12951.3	11458.8	10055.1	8733.1	7376.3	6064.8	4881.5	3919.0
-15°	17131.8	15481.3	13888.2	12401.0	10989.5	9630.3	8339.2	7018.5	5757.2	4627.2	3751.3
-17.5°	16164.5	14632.5	13137.8	11726.7	10418.2	9127.5	7875.2	6620.7	5413.9	4353.0	3554.9
-20°	15087.9	13672.9	12290.6	11010.3	9790.5	8564.5	7357.9	6151.4	5020.8	4096.3	3381.0



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13919.3	12655.6	11404.0	10249.5	9107.9	7932.8	6777.9	5639.0	4566.4	3808.4	3183.9
-25°	12736.2	11588.4	10466.7	9404.1	8333.8	7224.1	6157.1	5117.3	4230.5	3536.7	2971.1
-27.5°	11548.2	10509.0	9474.0	8491.9	7484.2	6506.5	5531.4	4588.9	3866.7	3276.8	2772.8
-30°	10374.1	9435.1	8488.0	7550.1	6638.4	5745.6	4873.8	4159.9	3532.1	2999.0	2550.9
-32.5°	9164.4	8347.6	7484.6	6605.5	5777.8	4989.5	4327.3	3725.6	3183.0	2743.2	2353.3
-35°	7988.0	7236.7	6442.5	5687.2	4954.6	4364.3	3803.5	3311.4	2877.5	2488.1	2156.4
-37.5°	6786.8	6108.7	5452.2	4818.9	4295.9	3796.7	3353.2	2951.4	2576.5	2266.7	1981.2
-40°	5655.1	5064.7	4593.0	4127.1	3712.5	3313.6	2963.4	2618.2	2328.7	2056.1	1810.3
-42.5°	4686.2	4271.9	3892.7	3541.2	3201.1	2906.6	2611.0	2342.4	2089.7	1861.3	1657.1
-45°	3902.9	3606.9	3298.5	3040.4	2777.8	2542.9	2306.9	2085.6	1873.3	1686.9	1505.8
-47.5°	3282.5	3062.3	2830.0	2622.8	2426.3	2225.0	2040.9	1850.2	1685.6	1519.6	1368.6
-50°	2776.2	2613.3	2443.5	2275.9	2121.4	1957.0	1804.5	1654.4	1509.5	1371.8	1234.4
-52.5°	2358.9	2241.0	2115.3	1981.9	1858.9	1730.9	1597.6	1476.9	1352.0	1230.7	1110.6
-55°	2028.1	1934.0	1838.7	1737.9	1635.2	1530.3	1421.4	1313.0	1205.6	1095.0	1004.3
-57.5°	1756.3	1677.1	1601.4	1521.4	1437.5	1348.7	1256.0	1159.1	1071.2	987.7	905.3
-60°	1518.2	1451.5	1391.0	1326.5	1258.0	1181.1	1105.5	1029.3	953.1	880.6	810.0
-62.5°	1303.2	1255.8	1201.3	1146.4	1092.2	1035.5	967.6	900.5	835.9	773.6	715.4
-65°	1094.7	1054.4	1012.1	972.8	929.3	881.0	823.5	771.0	720.3	669.0	620.9
-67.5°	910.1	879.0	845.2	810.1	775.5	736.8	694.5	650.9	610.2	568.3	532.3
-70°	758.0	735.5	709.1	677.8	646.4	614.7	582.4	548.2	511.2	473.6	444.6
-72.5°	631.4	614.8	594.2	568.2	540.5	512.6	484.0	453.6	421.0	386.1	358.2
-75°	521.4	509.1	493.3	470.4	445.9	419.9	394.7	367.0	335.3	299.5	271.3
-77.5°	418.9	411.1	401.0	382.2	363.1	343.9	321.7	289.3	257.1	226.6	205.9
-80°	314.1	310.7	304.7	288.9	272.8	256.5	238.7	214.0	190.5	168.6	151.6
-82.5°	207.2	203.4	198.4	188.8	179.5	170.5	161.2	144.6	128.4	112.5	98.8
-85°	104.9	101.9	98.8	97.2	95.3	93.1	90.3	80.8	71.7	63.1	55.4
-87.5°	30.4	30.4	30.4	30.7	30.9	31.0	31.0	28.7	26.4	24.2	22.1
-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: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.0	1.9	1.7	1.5	1.3
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.0
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.8	2.9	2.2	2.2
65°	2.2	2.2	2.3	3.3	3.0	2.2	2.2	4.3	3.6	3.2	2.2
62.5°	4.3	2.2	5.8	7.7	5.0	4.0	3.2	9.3	6.0	4.2	3.0
60°	10.1	8.2	15.5	23.8	17.1	6.7	9.7	15.9	14.7	5.4	4.2
57.5°	51.7	23.6	34.8	45.3	43.2	24.3	19.7	27.3	24.8	14.5	5.8
55°	107.1	91.1	72.5	72.1	72.9	57.7	41.0	42.4	37.5	26.6	8.5
52.5°	162.8	157.9	140.5	114.5	105.1	95.0	77.7	60.0	55.7	39.8	21.0
50°	232.2	219.4	205.8	179.1	145.2	131.8	114.0	91.7	75.8	55.6	34.7
47.5°	311.4	289.3	268.6	242.9	205.8	170.7	150.8	124.4	98.0	76.4	48.5
45°	435.1	363.3	335.3	305.4	267.3	223.6	189.2	156.7	126.9	97.3	62.5
42.5°	562.1	462.3	403.7	370.0	330.1	280.8	229.1	192.6	155.5	118.1	79.0
40°	690.1	566.4	477.7	435.6	395.0	337.9	279.8	230.0	183.4	139.7	97.0
37.5°	828.3	683.0	562.9	503.8	461.0	399.3	331.4	268.3	212.1	163.1	114.8
35°	1000.3	821.2	655.7	582.7	525.2	461.9	382.4	309.9	246.4	186.7	132.4
32.5°	1193.6	973.7	788.7	668.7	590.4	525.7	436.8	356.7	281.6	210.2	149.6
30°	1386.0	1130.7	914.9	753.9	659.9	585.4	494.7	403.9	317.6	233.7	167.2
27.5°	1532.8	1266.2	1033.0	856.2	736.6	644.9	552.5	451.3	354.2	259.6	186.4
25°	1682.7	1391.7	1147.6	956.4	811.9	705.6	607.9	498.6	393.0	289.3	205.1
22.5°	1857.9	1510.9	1244.3	1046.9	891.5	767.2	660.9	546.6	432.4	318.8	223.4
20°	2029.2	1620.7	1333.3	1152.5	978.7	835.9	712.9	592.4	470.9	347.8	241.1
17.5°	2204.9	1775.0	1480.9	1261.9	1068.6	903.9	764.2	635.7	508.3	376.0	258.0
15°	2469.6	1981.4	1629.7	1369.9	1155.6	970.4	814.4	676.6	544.3	403.3	273.1
12.5°	2719.0	2175.6	1774.1	1475.4	1239.1	1035.0	863.2	714.9	578.7	425.9	285.7
10°	2939.5	2356.3	1912.4	1577.2	1318.3	1096.9	909.9	745.0	599.0	443.9	296.9
7.5°	3131.4	2522.3	2042.9	1674.0	1386.0	1138.9	933.7	760.7	614.5	459.8	306.8
5°	3278.2	2635.1	2114.7	1712.7	1411.4	1158.1	950.7	773.4	626.8	473.4	315.3
2.5°	3326.7	2672.7	2143.0	1734.6	1430.0	1171.9	963.8	783.2	636.1	484.5	322.4
0°	3349.1	2690.9	2157.6	1747.1	1441.4	1180.3	972.8	789.9	642.6	493.1	328.0
-2.5°	3373.7	2715.6	2178.1	1766.5	1453.4	1191.8	982.3	800.4	651.9	502.7	337.5
-5°	3371.9	2720.3	2184.7	1775.9	1458.1	1198.0	987.8	807.8	658.5	509.8	345.3
-7.5°	3336.3	2699.2	2176.3	1774.0	1455.5	1198.7	989.4	812.2	662.7	514.2	351.6
-10°	3272.6	2655.4	2151.8	1757.9	1445.9	1193.5	986.9	813.5	664.3	516.2	356.0
-12.5°	3182.8	2593.1	2112.3	1731.7	1428.7	1182.3	979.7	809.7	663.3	515.5	358.5
-15°	3067.4	2512.9	2057.9	1695.3	1403.8	1165.7	968.2	801.9	657.5	511.8	359.0
-17.5°	2927.9	2415.5	1988.4	1648.9	1371.3	1143.6	952.2	791.0	649.7	505.2	358.3
-20°	2798.5	2312.9	1908.2	1592.6	1331.1	1116.2	931.9	777.1	639.9	496.9	356.6

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



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2653.7	2206.4	1837.1	1538.6	1288.5	1083.4	907.2	760.2	628.2	487.1	353.4
-25°	2488.1	2085.7	1755.8	1478.6	1247.1	1052.1	881.8	740.4	614.9	476.0	348.7
-27.5°	2332.3	1961.1	1664.8	1409.3	1199.2	1016.0	856.7	722.1	599.4	463.6	342.5
-30°	2173.5	1852.7	1577.5	1336.8	1146.4	975.7	828.5	702.5	582.0	452.6	334.9
-32.5°	2012.0	1734.5	1484.0	1274.0	1095.3	932.4	797.7	681.4	563.8	441.8	328.6
-35°	1873.2	1618.2	1383.6	1206.3	1042.9	895.6	767.0	659.1	545.1	429.6	321.8
-37.5°	1725.6	1500.2	1305.5	1139.1	986.7	855.3	737.5	632.8	525.8	415.9	313.5
-40°	1593.3	1390.2	1221.4	1074.2	936.2	811.9	704.6	604.7	507.7	400.9	303.8
-42.5°	1458.6	1290.2	1139.3	1004.3	885.4	772.0	668.9	574.8	484.4	387.0	292.7
-45°	1340.7	1187.7	1054.5	940.9	832.4	728.5	633.8	543.6	459.4	372.7	281.1
-47.5°	1218.8	1088.9	975.3	874.7	780.1	683.4	596.9	514.9	433.5	356.7	269.3
-50°	1105.1	995.4	900.8	810.7	722.4	641.1	560.0	485.2	409.8	335.7	256.1
-52.5°	1004.0	912.6	828.4	746.3	670.5	597.1	526.9	455.1	385.2	314.8	241.4
-55°	914.7	833.2	757.4	686.4	618.5	557.8	493.2	426.7	359.5	293.3	225.7
-57.5°	829.1	755.7	691.3	628.1	570.3	517.5	460.2	397.3	333.6	270.7	211.7
-60°	743.1	684.0	626.7	573.7	523.7	475.8	427.0	367.0	306.8	247.5	194.8
-62.5°	660.7	611.1	567.1	520.4	474.6	432.4	392.8	335.7	278.9	224.6	176.0
-65°	579.7	541.8	506.3	462.4	422.5	387.3	354.6	303.2	249.5	200.1	156.4
-67.5°	499.6	468.4	436.6	401.0	371.4	342.7	313.7	267.2	218.4	174.3	136.7
-70°	418.7	392.2	369.5	347.0	322.4	297.1	268.1	228.5	185.8	149.9	116.3
-72.5°	339.5	323.2	309.7	293.8	273.0	249.0	221.8	189.5	156.3	124.8	95.2
-75°	261.4	258.1	254.0	243.7	223.8	201.3	179.4	154.6	126.1	99.0	77.6
-77.5°	205.9	204.6	201.7	194.5	177.1	158.8	139.8	119.0	97.3	78.6	60.9
-80°	152.5	152.3	151.0	146.6	131.7	116.2	102.9	89.6	73.7	58.5	44.0
-82.5°	100.2	101.7	102.4	101.1	90.9	81.1	71.5	62.0	49.7	38.0	29.4
-85°	57.2	58.3	58.6	57.9	51.7	45.7	41.7	37.5	31.0	25.1	19.7
-87.5°	23.8	25.1	26.2	26.9	24.9	22.9	20.9	18.8	15.6	12.6	9.9
-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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Scaled Data Report



REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
85°	1.1	1.0	0.8	0.6	0.4	0.2	0.0
82.5°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
80°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
77.5°	2.2	2.2	1.9	1.4	1.0	0.5	0.0
75°	2.2	2.2	2.2	1.7	1.1	0.6	0.0
72.5°	2.2	2.2	2.2	2.0	1.3	0.7	0.0
70°	2.2	2.2	2.2	2.2	1.5	0.8	0.0
67.5°	2.4	2.2	2.2	2.2	1.7	0.8	0.0
65°	2.7	2.4	2.2	2.2	1.9	0.9	0.0
62.5°	3.0	3.0	2.2	2.2	2.0	1.0	0.0
60°	3.5	3.5	2.2	2.2	2.2	1.1	0.0
57.5°	6.0	4.2	2.8	2.2	2.2	1.2	0.0
55°	9.2	4.9	3.5	2.2	2.3	1.3	0.0
52.5°	12.9	6.1	4.2	2.2	2.3	1.3	0.0
50°	17.0	10.0	5.0	2.2	2.4	1.4	0.0
47.5°	22.7	14.1	5.7	2.3	2.4	1.5	0.0
45°	34.8	18.5	6.5	3.0	2.5	1.6	0.0
42.5°	46.8	23.2	7.4	3.6	2.6	1.6	0.0
40°	58.8	28.1	9.7	4.4	2.6	1.7	0.0
37.5°	70.6	33.2	13.5	5.3	2.7	1.7	0.0
35°	82.4	41.2	17.4	6.4	2.8	1.8	0.0
32.5°	94.9	50.5	21.3	7.5	2.9	1.9	0.0
30°	108.8	59.6	25.2	8.7	3.0	1.9	0.0
27.5°	122.4	68.4	29.7	10.0	3.2	2.0	0.0
25°	135.4	76.9	34.2	11.3	3.3	2.0	0.0
22.5°	147.9	85.1	38.6	12.7	3.4	2.0	0.0
20°	159.8	93.2	42.8	14.1	3.5	2.1	0.0
17.5°	170.9	100.7	46.9	15.5	3.7	2.1	0.0
15°	181.0	107.8	50.8	16.9	3.8	2.1	0.0
12.5°	190.3	114.3	54.5	18.3	3.9	2.1	0.0
10°	198.7	120.3	58.0	19.7	4.0	2.2	0.0
7.5°	206.2	125.7	61.3	21.0	4.2	2.2	0.0
5°	212.8	130.6	64.2	22.2	4.3	2.2	0.0
2.5°	218.4	134.8	66.9	23.4	4.4	2.2	0.0
0°	223.1	138.3	69.2	24.5	4.5	2.2	0.0
-2.5°	229.2	142.7	72.4	26.1	5.2	2.3	0.0
-5°	234.2	146.3	75.2	27.5	5.8	2.5	0.0
-7.5°	238.2	149.3	77.5	28.8	6.5	2.6	0.0
-10°	241.0	151.5	79.5	29.9	7.1	2.7	0.0
-12.5°	242.7	153.0	80.9	30.9	7.7	2.9	0.0
-15°	243.2	153.7	81.9	31.7	8.2	3.0	0.0
-17.5°	242.5	153.6	82.3	32.3	8.7	3.1	0.0
-20°	241.8	152.7	82.2	32.7	9.2	3.1	0.0

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REPORT NUMBER: P627542 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-750-U-WR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	242.0	151.1	81.6	32.9	9.6	3.2	0.0
-25°	240.9	150.5	80.3	32.9	10.0	3.3	0.0
-27.5°	238.6	149.9	78.5	32.7	10.3	3.3	0.0
-30°	235.0	148.3	76.2	32.2	10.5	3.4	0.0
-32.5°	230.3	145.7	75.3	31.5	10.7	3.4	0.0
-35°	225.8	142.2	73.7	30.6	10.8	3.4	0.0
-37.5°	220.7	138.4	71.5	29.5	10.8	3.4	0.0
-40°	214.3	135.1	68.6	28.1	10.8	3.3	0.0
-42.5°	206.8	130.8	66.6	26.8	10.7	3.3	0.0
-45°	198.0	125.7	65.3	25.8	10.5	3.2	0.0
-47.5°	188.0	119.8	63.3	24.4	10.3	3.2	0.0
-50°	179.2	113.0	60.6	23.9	9.9	3.1	0.0
-52.5°	169.8	105.4	57.3	23.6	9.5	3.0	0.0
-55°	159.3	99.2	53.3	23.0	9.1	2.8	0.0
-57.5°	147.8	92.5	48.8	22.0	8.6	2.7	0.0
-60°	135.6	84.8	43.7	20.8	8.0	2.6	0.0
-62.5°	123.7	76.3	40.7	19.3	7.5	2.4	0.0
-65°	110.7	67.0	37.2	17.6	7.0	2.2	0.0
-67.5°	96.5	58.6	33.3	15.7	6.4	2.0	0.0
-70°	81.4	51.4	28.9	13.5	5.8	1.8	0.0
-72.5°	69.2	43.6	24.2	11.9	5.2	1.6	0.0
-75°	56.8	35.3	19.3	10.4	4.5	1.4	0.0
-77.5°	43.8	26.6	15.9	8.8	3.8	1.2	0.0
-80°	30.2	20.3	12.9	7.1	3.1	1.0	0.0
-82.5°	22.3	15.4	9.8	5.4	2.3	0.7	0.0
-85°	14.9	10.3	6.5	3.6	1.5	0.5	0.0
-87.5°	7.5	5.2	3.3	1.8	0.8	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)