

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: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627190 (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-SA3D-722-U-VWR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

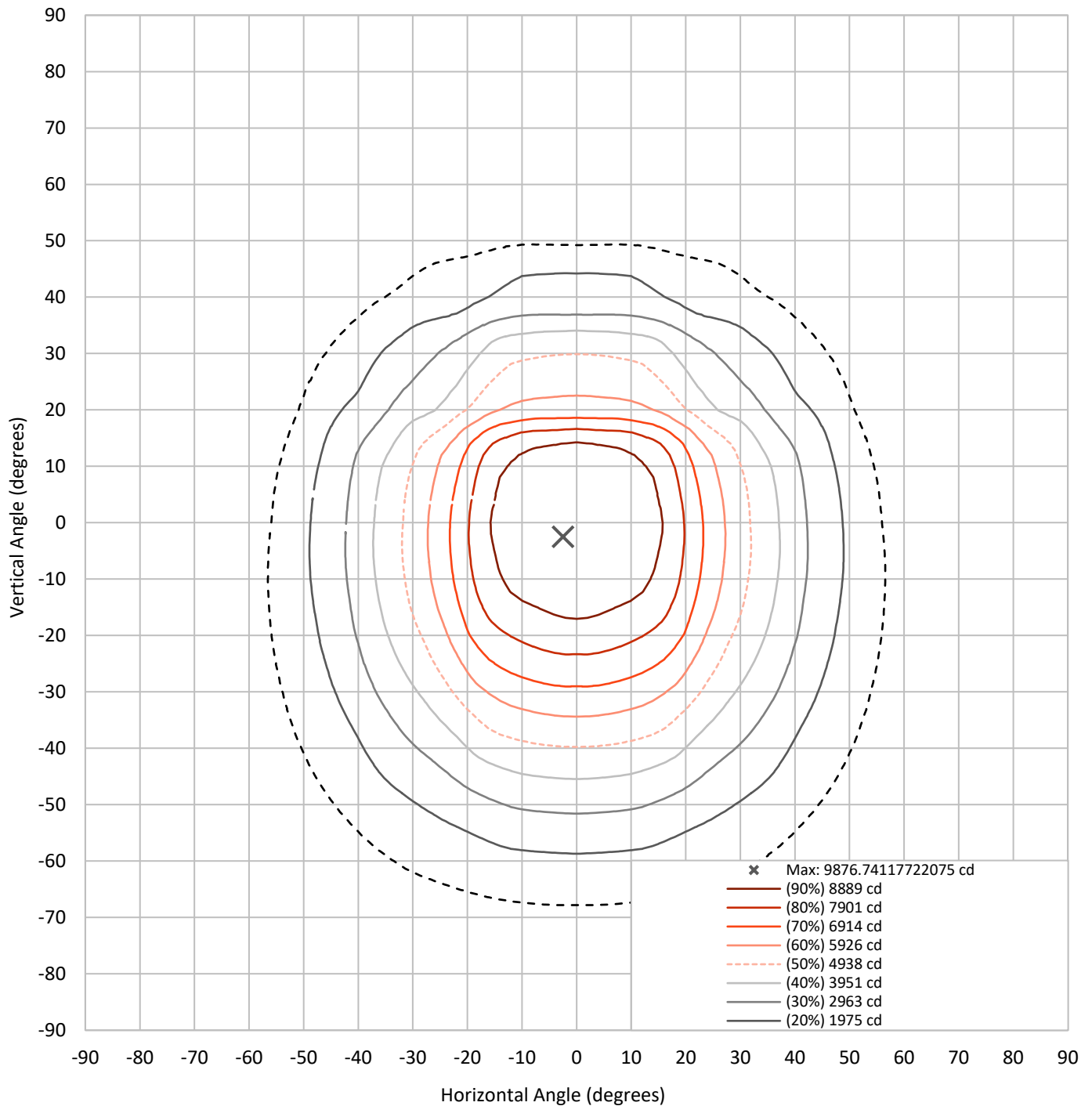
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	13180.9 lumens	Max Intensity:	9876.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	82.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	7626 lumens	Field Lumens:	12507.8 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	160.2		
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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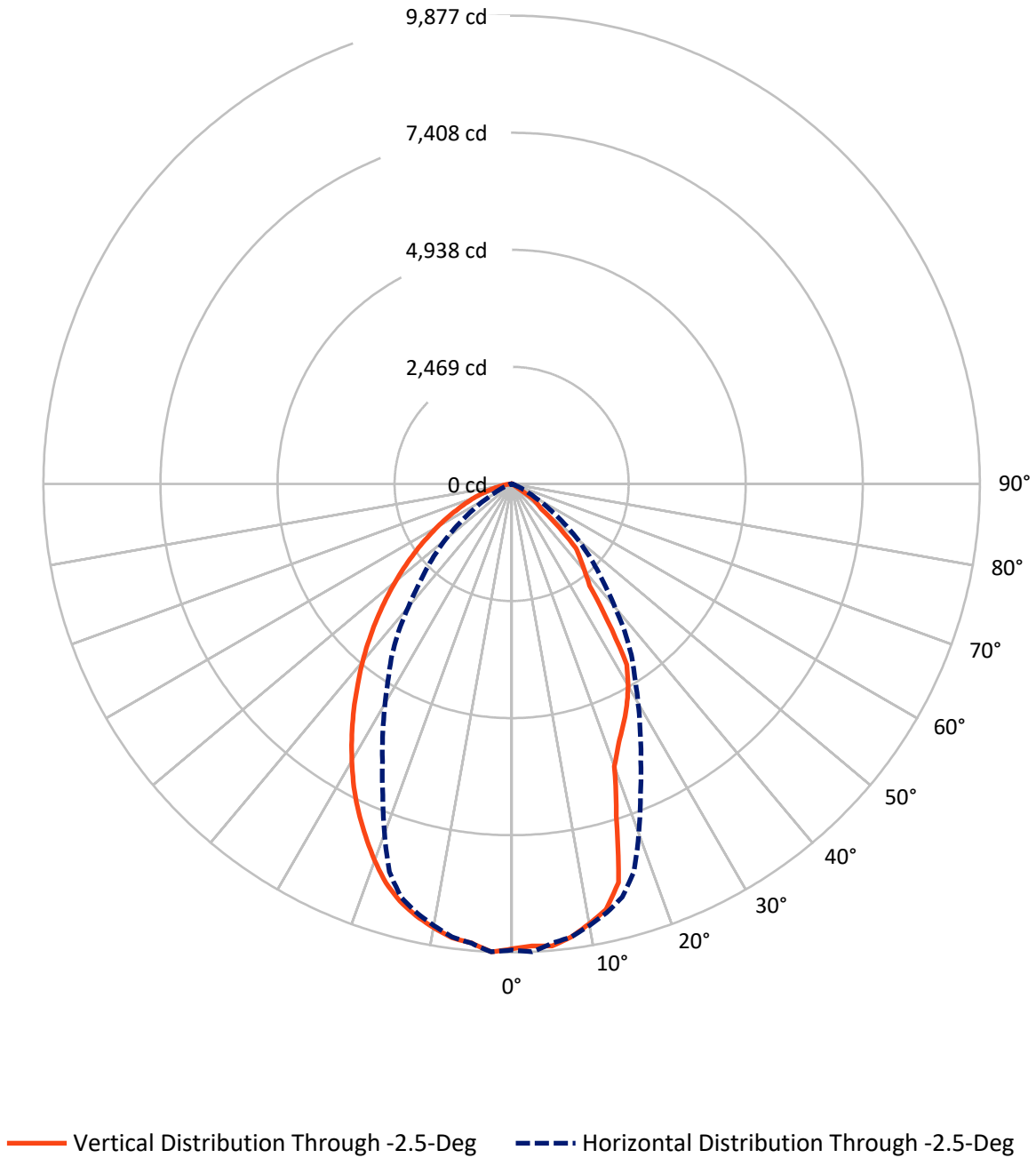
CATALOG NUMBER: GFLD-SA3D-722-U-VWR-VSR-XX

Lumen Table

90																			
80	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.1	0.3	1.2	3.6	6.9	10.3	12.8	12.8	10.3	6.9	3.6	1.2	0.3	0.1				
40	0.2	0.2	1.5	6.8	16.3	29.4	43.5	53.2	53.2	43.5	29.4	16.3	6.8	1.5	0.2	0.2			
30		0.6	4.9	17.1	38.2	61.9	92.9	108.6	108.6	92.9	61.9	38.2	17.1	4.9	0.6				
20	0.4	1.5	9.5	30.3	61.6	97.6	146.4	168.3	168.3	146.4	97.6	61.6	30.3	9.5	1.5	0.4			
10		2.5	14.6	44.9	88.7	145.9	217.3	249.2	249.2	217.3	145.9	88.7	44.9	14.6	2.5				
0	0.7	3.4	18.9	53.3	106.1	174.4	256.5	291.1	291.1	256.5	174.4	106.1	53.3	18.9	3.4	0.7			
-10		4.0	20.8	55.4	108.9	178.4	258.4	292.2	292.2	258.4	178.4	108.9	55.4	20.8	4.0				
-20	0.8	4.2	20.4	52.4	102.7	167.0	239.9	271.0	271.0	239.9	167.0	102.7	52.4	20.4	4.2	0.8			
-30		3.9	17.8	45.7	88.7	142.0	201.1	227.7	227.7	201.1	142.0	88.7	45.7	17.8	3.9				
-40	0.8	3.2	14.2	35.9	69.8	109.5	153.6	173.9	173.9	153.6	109.5	69.8	35.9	14.2	3.2	0.8			
-50		2.6	10.5	25.6	50.0	77.0	106.3	120.6	120.6	106.3	77.0	50.0	25.6	10.5	2.6				
-60	0.6	1.9	6.9	16.5	31.1	47.8	65.0	74.1	74.1	65.0	47.8	31.1	16.5	6.9	1.9	0.6			
-70		1.4	4.2	9.6	17.1	25.4	33.6	38.0	38.0	33.6	25.4	17.1	9.6	4.2	1.4				
-80	0.2	3.1	14.2	31.0	34.6	31.0	14.2	3.1	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

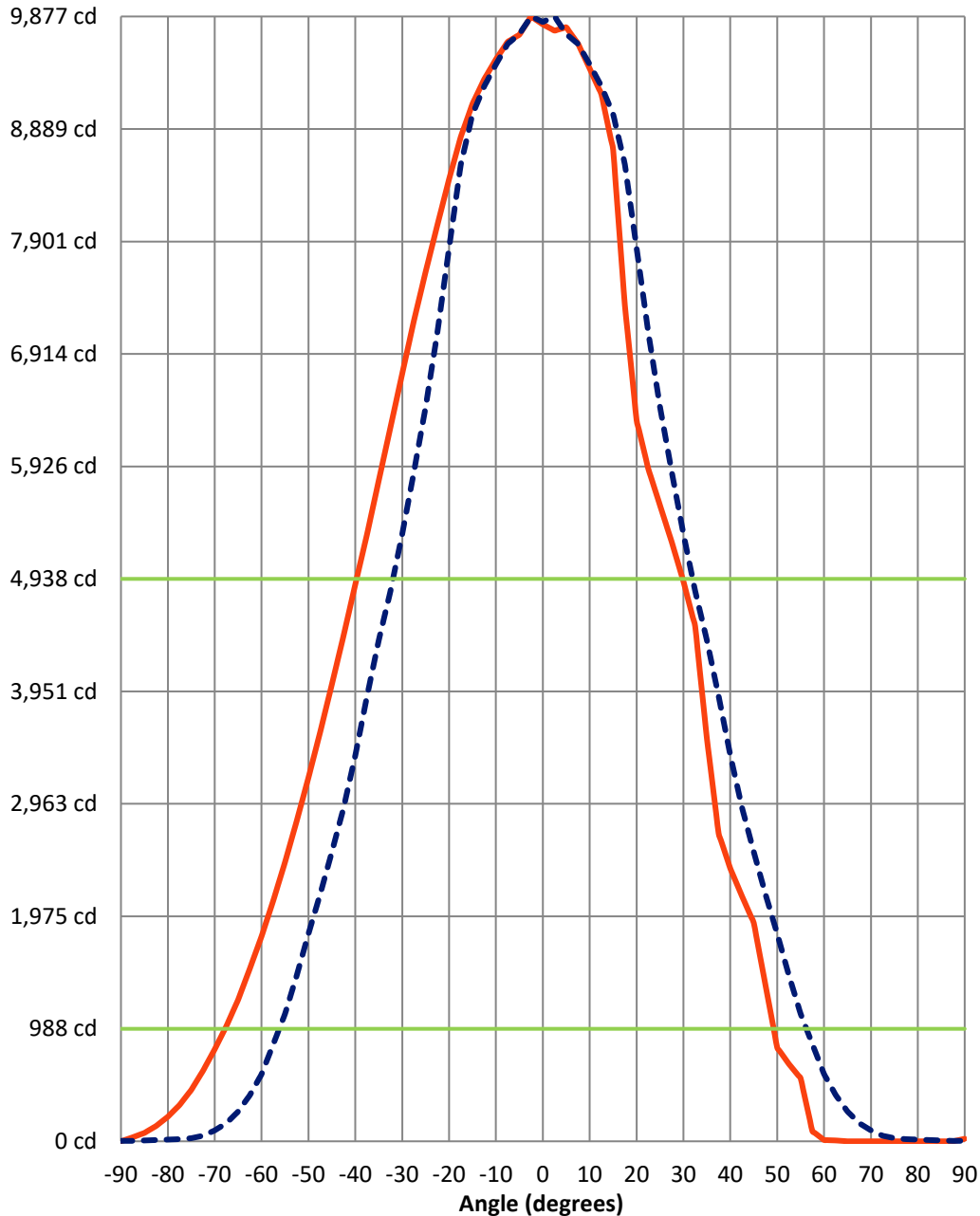
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 7626
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 12507.8
 Efficiency: 94.9%

Spill:
 Lumens: 673.1
 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°	3.7	3.7	3.7	4.6	5.6	6.5	7.4	8.3	9.3	10.2	11.1
87.5°	3.7	3.7	3.7	3.6	3.4	3.1	2.7	1.9	1.2	0.6	0.0
85°	3.7	3.7	3.7	3.5	3.1	2.5	1.8	1.1	0.6	0.2	0.0
82.5°	3.7	3.7	3.7	3.3	2.8	1.9	0.9	0.3	0.1	0.5	1.0
80°	3.7	3.7	3.7	3.2	2.5	1.4	0.2	0.7	1.3	1.9	2.5
77.5°	3.7	3.7	3.7	3.1	2.2	1.2	1.1	1.8	2.6	3.3	3.4
75°	3.7	3.7	3.7	3.1	2.0	1.8	2.1	2.9	3.6	3.0	1.9
72.5°	3.7	3.7	3.7	3.0	2.3	2.4	3.0	3.7	3.1	2.1	0.6
70°	3.7	3.7	3.7	3.0	2.7	2.9	3.7	3.5	2.7	1.4	1.7
67.5°	3.7	3.7	3.7	3.1	3.0	3.5	3.8	3.4	2.4	2.9	3.3
65°	3.7	3.7	3.7	3.2	3.2	3.8	4.0	3.4	3.7	4.3	4.6
62.5°	3.7	3.7	3.7	3.3	3.5	4.1	4.1	4.2	5.0	5.6	5.1
60°	3.7	3.7	3.7	3.4	3.7	4.4	4.4	5.3	6.2	6.5	5.8
57.5°	3.7	3.7	3.7	3.5	4.0	4.8	5.3	6.4	7.3	7.4	7.2
55°	3.7	3.7	3.8	3.6	4.4	5.2	6.2	7.5	8.4	8.6	9.0
52.5°	3.7	3.7	3.9	3.6	4.8	5.7	7.1	8.6	9.6	10.1	10.7
50°	3.7	3.7	3.9	3.7	5.2	6.4	8.0	9.6	11.0	11.7	12.4
47.5°	3.7	3.7	4.0	3.8	5.7	7.2	8.9	10.6	12.3	13.2	14.2
45°	3.7	3.7	4.1	4.1	6.1	7.9	9.8	11.6	13.6	14.8	15.9
42.5°	3.7	3.7	4.3	4.5	6.6	8.6	10.6	12.8	14.9	16.3	19.2
40°	3.7	3.7	4.4	4.9	7.1	9.3	11.4	14.0	16.4	17.8	23.0
37.5°	3.7	3.7	4.5	5.4	7.6	9.9	12.2	15.3	17.9	20.3	26.8
35°	3.7	3.7	4.7	5.9	8.1	10.6	13.0	16.6	19.6	24.9	34.1
32.5°	3.7	3.7	4.9	6.4	8.6	11.2	13.8	18.0	21.3	30.4	48.7
30°	3.7	3.7	5.1	6.8	9.1	11.8	14.9	19.4	23.0	36.6	62.8
27.5°	3.7	3.7	5.2	7.3	9.7	12.3	16.0	20.8	26.1	43.5	76.5
25°	3.7	3.7	5.4	7.7	10.2	12.9	17.1	22.3	31.4	53.6	89.9
22.5°	3.7	3.7	5.6	8.1	10.8	13.4	18.2	23.7	37.0	64.7	107.7
20°	3.7	3.7	5.8	8.5	11.3	14.1	19.2	25.2	42.9	75.2	125.3
17.5°	3.7	3.7	6.0	8.9	11.8	14.7	20.3	26.6	48.8	85.1	142.7
15°	3.7	3.7	6.3	9.3	12.3	15.3	21.3	28.5	54.8	94.4	159.5
12.5°	3.7	3.7	6.5	9.6	12.8	15.9	22.3	31.0	61.5	103.1	175.7
10°	3.7	3.7	6.7	10.0	13.2	16.5	23.1	33.7	68.5	113.1	191.8
7.5°	3.7	3.7	6.9	10.3	13.6	17.0	23.9	36.5	75.2	122.8	208.8
5°	3.7	3.7	7.1	10.6	14.0	17.5	24.6	39.2	81.4	131.9	224.5
2.5°	3.7	3.7	7.2	10.8	14.4	18.0	25.3	41.8	87.1	140.1	238.5
0°	3.7	3.7	7.4	11.1	14.7	18.4	25.8	44.2	92.2	147.5	250.7
-2.5°	3.7	3.7	7.4	11.1	15.3	19.1	28.6	52.8	98.8	169.3	270.7
-5°	3.7	3.7	7.3	11.0	15.5	19.5	29.7	56.4	101.1	177.7	277.7
-7.5°	3.7	3.7	7.3	10.9	15.7	19.7	30.7	59.4	102.8	183.7	282.9
-10°	3.7	3.7	7.2	10.8	15.8	20.0	31.4	61.6	103.9	186.9	286.9
-12.5°	3.7	3.7	7.1	10.7	15.9	20.2	31.8	63.0	106.1	186.5	288.4
-15°	3.7	3.7	7.1	10.6	15.9	20.4	32.0	64.3	109.3	184.6	286.6
-17.5°	3.7	3.7	7.0	10.4	15.8	20.5	32.8	65.7	111.3	181.2	281.3
-20°	3.7	3.7	7.0	10.4	15.8	20.5	32.8	65.7	111.3	181.2	281.3

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CATALOG NUMBER: GFLD-SA3D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.7	3.7	6.8	10.3	15.6	20.6	34.9	66.3	112.2	176.4	272.4
-25°	3.7	3.7	6.7	10.1	15.3	21.9	36.6	66.1	111.9	170.1	259.7
-27.5°	3.7	3.7	6.6	9.8	14.9	23.6	38.0	65.1	110.3	164.8	250.3
-30°	3.7	3.7	6.4	9.6	14.6	25.1	38.9	63.2	108.3	162.4	239.9
-32.5°	3.7	3.7	6.2	9.4	15.1	26.3	39.4	63.3	105.7	158.4	228.0
-35°	3.7	3.7	6.1	9.1	15.5	27.3	40.4	63.7	102.0	152.7	214.9
-37.5°	3.7	3.7	5.9	8.8	15.8	27.9	41.5	63.4	97.3	145.2	209.0
-40°	3.7	3.7	5.7	8.5	15.9	28.1	42.2	62.6	91.5	138.1	202.5
-42.5°	3.7	3.7	5.5	8.3	16.0	28.1	42.4	61.1	88.2	132.4	192.4
-45°	3.7	3.7	5.2	8.4	16.1	27.9	42.2	59.8	85.8	125.3	179.8
-47.5°	3.7	3.7	5.0	8.3	16.0	27.5	41.5	59.0	82.7	116.9	169.8
-50°	3.7	3.7	4.8	8.2	15.7	26.9	40.7	57.5	80.3	113.8	158.0
-52.5°	3.7	3.7	4.5	8.0	15.2	26.1	39.6	55.5	78.2	109.8	145.3
-55°	3.7	3.7	4.2	7.8	14.6	25.0	38.2	53.0	75.7	104.9	139.2
-57.5°	3.7	3.7	4.0	7.5	13.7	23.7	36.5	50.8	72.1	99.6	132.1
-60°	3.7	3.7	3.7	7.2	12.8	22.0	34.5	48.3	67.6	93.4	123.8
-62.5°	3.7	3.7	3.7	6.8	12.1	20.2	31.7	45.0	62.0	86.0	114.2
-65°	3.7	3.7	3.7	6.4	11.3	18.1	28.6	40.8	55.3	76.4	103.2
-67.5°	3.7	3.7	3.7	5.9	10.4	16.2	25.1	35.8	47.4	65.0	88.7
-70°	3.7	3.7	3.7	5.3	9.5	14.7	21.4	30.5	40.6	52.4	71.7
-72.5°	3.7	3.7	3.7	5.2	8.4	13.2	18.9	24.9	33.5	43.5	54.9
-75°	3.7	3.7	3.7	5.2	7.4	11.5	16.4	21.0	26.1	34.2	43.6
-77.5°	3.7	3.7	3.7	5.1	7.0	9.7	13.9	17.7	21.6	25.9	32.0
-80°	3.7	3.7	3.7	5.0	6.7	8.7	11.3	14.2	17.4	20.9	24.6
-82.5°	3.7	3.7	3.7	5.0	6.5	8.2	10.2	11.6	13.1	15.7	18.5
-85°	3.7	3.7	3.7	4.9	6.2	7.7	9.3	10.5	11.7	12.9	14.1
-87.5°	3.7	3.7	3.7	4.7	5.9	7.1	8.4	9.4	10.5	11.6	12.6
-90°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.8	1.8	0.9	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	12.0	12.9	13.8
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.1	1.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.4	2.0	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.1	1.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.8	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.6	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.1	2.3	1.5	0.6	0.0	0.2	0.5	0.4	0.0	0.2	0.5
67.5°	3.4	2.6	1.7	1.0	1.4	1.9	1.7	1.9	2.0	2.2	1.9
65°	3.6	2.7	2.8	3.2	3.6	4.0	4.3	4.6	3.8	3.3	3.4
62.5°	3.9	4.2	4.8	5.4	5.9	6.4	6.5	5.8	4.4	5.5	6.3
60°	5.5	6.0	6.8	7.6	8.3	8.7	8.3	8.4	9.3	10.8	20.7
57.5°	7.4	7.9	8.8	10.0	11.0	11.2	11.5	12.5	29.2	47.7	52.7
55°	9.3	9.8	11.3	13.1	14.2	14.1	20.2	42.6	64.4	89.2	98.3
52.5°	11.2	12.0	14.7	16.8	18.2	28.4	51.2	81.7	113.7	142.2	179.0
50°	13.1	15.8	18.5	21.7	34.7	61.2	94.6	136.1	184.4	229.9	276.5
47.5°	16.4	19.7	23.9	34.3	68.4	105.3	151.3	218.2	277.8	332.8	396.7
45°	20.3	27.2	31.9	67.9	107.5	155.1	233.2	314.9	368.9	442.6	555.6
42.5°	24.3	37.7	60.9	102.6	150.8	227.5	324.4	394.0	465.9	585.3	704.2
40°	34.9	50.6	91.9	141.5	202.6	314.5	413.9	492.7	590.9	723.3	847.4
37.5°	47.9	77.2	123.5	182.9	283.8	406.5	512.9	625.4	738.3	863.2	1093.3
35°	62.2	101.9	163.5	243.8	365.2	508.4	635.3	761.1	891.2	1137.0	1365.4
32.5°	81.0	124.7	205.4	314.5	453.0	610.3	757.6	903.0	1111.7	1389.8	1619.0
30°	101.2	161.2	253.6	379.9	535.7	703.6	880.7	1056.7	1332.9	1563.1	1811.9
27.5°	122.3	199.8	310.1	448.3	613.1	791.6	991.5	1242.6	1488.9	1716.4	1989.8
25°	143.9	240.1	361.7	513.7	689.4	886.8	1116.6	1422.5	1615.2	1866.5	2151.8
22.5°	171.8	278.6	412.9	572.9	760.0	984.5	1277.7	1584.8	1811.6	2023.0	2301.7
20°	204.0	321.9	468.5	647.2	829.2	1080.0	1437.8	1760.9	2027.6	2269.7	2525.6
17.5°	234.1	362.4	528.1	723.0	929.8	1202.4	1595.0	1952.5	2246.0	2515.8	2835.3
15°	261.9	399.8	586.4	794.7	1028.8	1342.6	1735.9	2128.5	2463.7	2767.2	3130.3
12.5°	287.3	434.1	642.6	861.9	1122.0	1463.5	1854.2	2237.4	2605.9	3001.4	3413.4
10°	310.2	464.8	695.6	923.9	1208.4	1565.7	1952.0	2328.2	2700.0	3118.5	3576.3
7.5°	334.9	493.6	743.8	980.2	1287.0	1650.2	2030.1	2401.1	2776.0	3212.2	3682.2
5°	357.6	520.1	782.0	1020.6	1347.7	1716.1	2088.8	2456.4	2833.7	3282.0	3762.4
2.5°	377.6	542.3	813.2	1052.3	1392.8	1764.5	2127.0	2502.6	2876.6	3338.8	3823.6
0°	394.5	560.4	836.9	1076.6	1426.8	1799.2	2149.5	2532.9	2901.6	3377.2	3863.9
-2.5°	405.3	590.0	853.2	1119.0	1456.5	1821.9	2169.6	2541.4	2928.6	3389.4	3909.1
-5°	412.9	614.0	863.1	1151.7	1476.0	1832.0	2176.2	2534.8	2935.8	3386.4	3915.8
-7.5°	417.4	630.9	867.7	1170.2	1482.9	1826.0	2165.0	2522.4	2924.0	3374.8	3886.5
-10°	419.9	636.2	874.0	1164.6	1473.9	1806.2	2140.1	2493.1	2890.6	3337.1	3830.9
-12.5°	426.9	632.8	872.9	1152.3	1454.5	1776.3	2103.1	2446.7	2834.8	3272.7	3754.0
-15°	428.6	625.2	862.4	1134.0	1424.9	1737.3	2054.7	2383.1	2766.1	3210.1	3668.9
-17.5°	424.7	613.7	842.0	1110.7	1385.2	1689.9	1997.6	2325.8	2701.6	3137.8	3579.6
-20°	414.9	598.9	811.1	1083.2	1338.1	1637.3	1940.5	2265.7	2627.5	3037.5	3479.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	398.7	580.9	777.7	1044.9	1297.4	1576.9	1873.6	2183.9	2534.7	2907.4	3345.3
-25°	382.1	560.6	751.5	992.1	1248.5	1506.4	1796.7	2083.8	2425.6	2791.7	3180.3
-27.5°	366.2	532.3	724.1	934.3	1190.8	1431.0	1709.8	1989.8	2302.9	2661.7	3019.5
-30°	345.5	501.7	690.7	878.8	1121.9	1360.1	1612.8	1888.4	2169.9	2510.5	2862.5
-32.5°	327.3	469.9	652.8	836.5	1047.9	1280.1	1508.2	1770.9	2045.7	2336.0	2683.8
-35°	315.0	451.0	612.5	787.6	972.3	1193.2	1410.2	1638.4	1904.5	2176.9	2482.4
-37.5°	305.1	429.4	570.1	736.7	912.5	1102.1	1305.2	1515.2	1747.3	2022.0	2309.2
-40°	289.6	405.0	538.7	688.1	843.3	1015.6	1204.2	1394.3	1595.5	1863.8	2147.1
-42.5°	269.6	381.5	509.1	635.3	777.0	934.4	1101.9	1281.0	1474.4	1707.4	1967.9
-45°	254.3	351.3	476.1	589.2	706.6	850.4	1007.8	1170.0	1352.4	1552.5	1786.4
-47.5°	234.8	318.5	433.1	538.7	642.1	765.0	908.9	1062.4	1224.0	1404.3	1596.0
-50°	213.9	291.2	380.4	483.3	581.9	684.1	806.8	948.7	1095.3	1252.5	1423.5
-52.5°	198.1	259.2	340.7	426.2	520.2	612.9	717.4	839.1	970.1	1101.4	1251.8
-55°	180.1	235.6	302.8	379.5	459.5	545.3	640.5	747.1	853.8	974.4	1094.5
-57.5°	167.5	213.0	271.2	337.9	409.7	482.6	572.4	662.6	761.4	861.2	960.8
-60°	157.7	193.4	241.7	300.4	364.5	432.6	506.3	589.5	674.6	756.2	842.2
-62.5°	146.5	177.5	215.3	263.1	321.0	380.3	445.2	516.5	593.5	662.1	728.9
-65°	131.9	158.9	191.3	230.2	275.7	325.8	381.1	441.2	507.7	563.4	618.0
-67.5°	115.1	137.9	165.1	196.9	234.8	273.9	314.5	365.3	419.3	464.8	509.2
-70°	94.1	115.1	137.3	163.3	193.0	226.2	261.9	298.8	335.8	372.9	413.5
-72.5°	72.0	91.2	110.0	128.5	152.2	179.3	208.5	239.4	271.7	303.4	334.3
-75°	54.9	67.3	83.8	100.5	116.9	134.6	154.3	178.9	208.9	239.7	267.9
-77.5°	41.5	51.9	62.8	74.3	84.7	97.7	112.0	127.3	152.0	180.4	209.1
-80°	29.9	36.1	44.9	54.1	61.4	68.6	76.1	83.9	102.3	125.2	149.6
-82.5°	22.2	26.4	31.3	36.6	40.3	43.9	47.9	53.0	66.7	82.2	98.5
-85°	15.2	16.5	19.1	22.1	24.2	26.3	28.4	30.6	38.0	46.2	55.1
-87.5°	13.2	13.8	14.5	15.3	15.5	15.8	16.0	16.3	18.7	21.3	24.0
-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: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14.7	15.6	16.6	17.5	18.4	19.3	20.3	21.2	22.1	22.1	22.1
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°	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.7	1.9	1.9	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.9	3.7	2.8	1.8	0.9	1.4	2.2	2.7	2.7	2.4	1.9
62.5°	5.9	5.4	4.9	5.6	6.7	7.8	7.5	7.1	6.6	6.3	6.5
60°	21.8	14.6	16.8	21.1	19.7	13.5	22.2	25.1	21.4	14.6	14.2
57.5°	55.3	53.3	61.1	89.3	98.2	89.5	106.9	129.8	129.1	111.2	110.6
55°	117.7	158.0	206.5	214.4	248.2	315.9	368.7	345.5	345.4	362.8	418.8
52.5°	223.7	261.6	275.8	313.5	384.1	435.4	468.3	502.4	539.8	577.9	616.6
50°	328.2	365.1	407.0	445.6	543.4	596.0	587.2	657.8	748.2	804.7	833.7
47.5°	481.4	539.6	628.0	766.6	839.6	892.3	957.9	1037.9	1141.5	1281.9	1390.2
45°	661.9	753.2	890.1	1037.3	1150.6	1202.1	1277.2	1401.1	1566.3	1727.0	1844.4
42.5°	809.2	934.6	1089.0	1229.7	1322.1	1406.8	1504.0	1608.5	1797.6	1969.4	2105.1
40°	1001.7	1099.3	1272.5	1405.1	1487.8	1571.8	1725.9	1882.3	2060.2	2220.2	2331.4
37.5°	1245.6	1355.4	1535.6	1685.6	1765.2	1794.9	2056.9	2274.6	2419.2	2623.4	2690.2
35°	1507.6	1688.4	1918.0	2112.5	2190.5	2346.3	2616.2	2920.0	3249.1	3370.2	3473.4
32.5°	1799.9	2023.0	2334.5	2543.2	2654.6	2891.0	3232.6	3556.9	3987.2	4220.8	4290.6
30°	2067.3	2323.3	2591.1	2793.9	2984.3	3269.1	3580.7	3980.4	4378.4	4677.0	4769.7
27.5°	2263.5	2546.8	2804.2	2994.2	3209.1	3516.2	3904.5	4309.3	4700.0	5004.7	5112.9
25°	2450.8	2771.1	2974.8	3195.7	3448.1	3782.7	4213.1	4662.9	5047.7	5305.2	5438.0
22.5°	2663.9	2979.6	3198.4	3385.5	3715.5	4101.0	4500.5	5008.9	5416.5	5622.0	5765.9
20°	2883.8	3241.0	3579.0	3753.0	4038.5	4526.7	4974.0	5453.8	5847.5	6061.6	6213.2
17.5°	3190.7	3645.9	4060.4	4306.8	4612.6	5196.3	5754.4	6239.8	6787.4	6980.8	7166.0
15°	3514.2	4041.1	4526.7	4917.0	5312.0	5890.4	6608.7	7194.5	7819.3	8098.3	8413.8
12.5°	3836.8	4335.4	4775.3	5278.8	5835.4	6347.1	7031.0	7760.4	8327.4	8683.2	8895.7
10°	4077.8	4540.9	4964.2	5469.0	6024.6	6603.3	7282.9	8030.6	8624.2	8927.8	9101.2
7.5°	4208.0	4651.2	5097.7	5609.2	6162.3	6778.7	7478.9	8220.7	8827.6	9121.8	9293.0
5°	4304.6	4730.3	5192.6	5731.1	6290.3	6915.3	7614.6	8347.6	8901.0	9213.6	9430.1
2.5°	4363.1	4780.4	5253.1	5809.9	6370.4	7021.4	7754.4	8514.3	8998.5	9250.0	9449.1
0°	4380.1	4800.4	5287.0	5851.1	6426.3	7082.6	7808.9	8561.0	9051.4	9294.7	9497.5
-2.5°	4399.2	4831.9	5331.9	5877.9	6448.1	7102.5	7844.0	8576.8	9018.0	9263.5	9456.5
-5°	4385.8	4834.4	5332.9	5855.8	6429.8	7079.0	7790.7	8476.0	8937.4	9202.9	9394.7
-7.5°	4346.2	4801.0	5294.4	5796.9	6360.0	7016.6	7725.3	8385.2	8852.7	9132.6	9342.5
-10°	4288.4	4730.0	5226.8	5735.7	6292.1	6917.1	7614.9	8270.8	8718.2	9015.4	9260.1
-12.5°	4224.4	4656.8	5135.6	5623.9	6174.1	6791.4	7467.5	8088.4	8533.2	8857.4	9032.2
-15°	4129.6	4561.7	5019.5	5491.7	6028.1	6626.9	7272.7	7868.5	8305.2	8569.0	8762.2
-17.5°	4008.9	4433.0	4866.9	5314.9	5820.1	6409.9	7059.7	7647.2	8003.2	8238.8	8428.7
-20°	3879.7	4271.9	4683.0	5105.7	5595.4	6179.6	6817.7	7330.2	7665.8	7892.1	8071.4



REPORT NUMBER: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-722-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°	3732.1	4109.8	4486.1	4890.1	5370.4	5906.0	6469.7	6964.8	7325.6	7531.8	7697.5
-25°	3563.7	3931.0	4288.4	4678.6	5120.0	5601.4	6125.5	6612.2	6935.3	7154.3	7318.6
-27.5°	3382.2	3727.4	4076.5	4426.9	4823.6	5303.4	5788.7	6240.8	6516.6	6737.4	6902.7
-30°	3201.1	3511.6	3834.6	4166.3	4538.7	4971.2	5425.2	5805.4	6096.2	6310.7	6464.2
-32.5°	3004.8	3299.5	3585.6	3895.7	4246.3	4627.4	5025.9	5387.5	5698.3	5894.8	6024.1
-35°	2803.8	3089.0	3350.9	3632.4	3941.6	4270.5	4638.3	4995.0	5302.0	5457.4	5583.4
-37.5°	2594.4	2878.8	3127.1	3362.2	3628.6	3933.2	4291.5	4631.8	4896.9	5030.5	5144.1
-40°	2412.4	2662.7	2886.2	3111.2	3327.8	3598.3	3932.6	4262.1	4474.8	4605.0	4710.5
-42.5°	2235.6	2446.8	2629.8	2831.5	3048.3	3315.0	3584.7	3861.0	4032.0	4176.5	4287.6
-45°	2029.8	2218.5	2390.1	2557.9	2755.6	2999.1	3244.1	3465.4	3625.5	3765.2	3873.4
-47.5°	1802.1	1984.3	2151.0	2300.9	2484.7	2687.8	2894.1	3078.3	3236.4	3374.5	3471.0
-50°	1589.9	1752.7	1915.5	2067.2	2226.4	2390.7	2558.1	2719.7	2869.9	3004.0	3086.2
-52.5°	1399.8	1550.1	1692.3	1825.0	1964.3	2103.1	2241.7	2389.7	2527.9	2654.8	2720.5
-55°	1227.9	1363.3	1491.6	1603.4	1715.2	1825.3	1944.1	2080.8	2208.0	2325.6	2372.7
-57.5°	1073.5	1189.4	1303.0	1397.5	1488.8	1576.4	1680.7	1796.0	1907.3	2008.1	2046.7
-60°	931.5	1023.5	1118.5	1202.3	1281.9	1357.0	1447.9	1540.8	1631.1	1707.0	1739.9
-62.5°	800.9	879.6	951.5	1019.7	1087.0	1154.7	1228.1	1301.7	1374.7	1433.2	1462.8
-65°	674.9	737.6	795.4	851.4	905.8	962.6	1020.1	1076.1	1130.1	1171.9	1197.6
-67.5°	556.7	604.3	650.2	693.9	739.4	785.4	830.4	873.3	913.8	946.2	970.7
-70°	451.9	488.8	524.7	560.9	598.9	634.6	668.5	700.6	730.7	754.0	772.9
-72.5°	364.3	394.2	425.2	457.8	488.5	515.2	539.5	563.0	585.4	598.6	608.5
-75°	293.7	318.8	345.8	372.2	397.8	418.2	436.0	453.3	469.9	470.8	467.5
-77.5°	237.3	259.8	280.6	301.3	321.8	334.3	345.3	356.5	367.9	361.3	350.9
-80°	174.2	192.9	210.6	228.4	246.2	253.6	258.8	263.3	267.1	258.5	247.8
-82.5°	115.6	127.4	138.9	150.6	162.5	167.2	170.8	173.7	176.0	168.2	159.3
-85°	64.5	70.1	75.7	81.3	86.9	90.3	93.3	96.1	98.7	94.0	88.8
-87.5°	26.8	28.1	29.4	30.6	31.8	33.0	34.2	35.3	36.4	36.5	36.7
-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: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	21.2
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°	0.0	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°	1.1	0.2	0.0	0.0	0.0	0.2	1.1	1.9	2.4	2.7	2.7
62.5°	6.8	7.1	7.3	7.4	7.3	7.1	6.8	6.5	6.3	6.6	7.1
60°	13.0	11.4	11.1	11.1	11.1	11.4	13.0	14.2	14.6	21.4	25.1
57.5°	102.2	87.5	89.7	99.5	89.7	87.5	102.2	110.6	111.2	129.1	129.8
55°	477.7	533.2	552.8	542.0	552.8	533.2	477.7	418.8	362.8	345.4	345.5
52.5°	647.2	669.9	678.7	678.4	678.7	669.9	647.2	616.6	577.9	539.8	502.4
50°	842.5	834.7	822.9	811.1	822.9	834.7	842.5	833.7	804.7	748.2	657.8
47.5°	1406.0	1381.6	1371.4	1390.0	1371.4	1381.6	1406.0	1390.2	1281.9	1141.5	1037.9
45°	1868.4	1896.9	1918.3	1917.2	1918.3	1896.9	1868.4	1844.4	1727.0	1566.3	1401.1
42.5°	2131.7	2146.9	2151.3	2145.8	2151.3	2146.9	2131.7	2105.1	1969.4	1797.6	1608.5
40°	2366.4	2384.5	2394.7	2403.9	2394.7	2384.5	2366.4	2331.4	2220.2	2060.2	1882.3
37.5°	2712.3	2718.9	2704.4	2695.1	2704.4	2718.9	2712.3	2690.2	2623.4	2419.2	2274.6
35°	3560.4	3577.8	3537.5	3580.0	3537.5	3577.8	3560.4	3473.4	3370.2	3249.1	2920.0
32.5°	4373.7	4455.1	4520.9	4575.5	4520.9	4455.1	4373.7	4290.6	4220.8	3987.2	3556.9
30°	4834.5	4887.0	4915.2	4922.0	4915.2	4887.0	4834.5	4769.7	4677.0	4378.4	3980.4
27.5°	5172.8	5227.8	5262.1	5287.0	5262.1	5227.8	5172.8	5112.9	5004.7	4700.0	4309.3
25°	5498.8	5549.2	5583.4	5596.7	5583.4	5549.2	5498.8	5438.0	5305.2	5047.7	4662.9
22.5°	5837.1	5872.1	5905.0	5921.2	5905.0	5872.1	5837.1	5765.9	5622.0	5416.5	5008.9
20°	6322.1	6303.1	6333.1	6323.1	6333.1	6303.1	6322.1	6213.2	6061.6	5847.5	5453.8
17.5°	7310.5	7320.8	7340.8	7373.8	7340.8	7320.8	7310.5	7166.0	6980.8	6787.4	6239.8
15°	8553.5	8578.6	8705.7	8819.1	8705.7	8578.6	8553.5	8413.8	8098.3	7819.3	7194.5
12.5°	9092.7	9179.3	9192.7	9224.7	9192.7	9179.3	9092.7	8895.7	8683.2	8327.4	7760.4
10°	9272.7	9422.6	9419.3	9456.9	9419.3	9422.6	9272.7	9101.2	8927.8	8624.2	8030.6
7.5°	9409.1	9570.1	9638.2	9667.1	9638.2	9570.1	9409.1	9293.0	9121.8	8827.6	8220.7
5°	9575.9	9664.4	9781.8	9748.2	9781.8	9664.4	9575.9	9430.1	9213.6	8901.0	8347.6
2.5°	9645.8	9784.4	9752.4	9785.1	9752.4	9784.4	9645.8	9449.1	9250.0	8998.5	8514.3
0°	9692.9	9792.5	9807.2	9840.4	9807.2	9792.5	9692.9	9497.5	9294.7	9051.4	8561.0
-2.5°	9635.7	9723.4	9876.7	9829.3	9876.7	9723.4	9635.7	9456.5	9263.5	9018.0	8576.8
-5°	9585.6	9801.3	9717.5	9822.0	9717.5	9801.3	9585.6	9394.7	9202.9	8937.4	8476.0
-7.5°	9559.7	9598.3	9653.9	9733.5	9653.9	9598.3	9559.7	9342.5	9132.6	8852.7	8385.2
-10°	9359.6	9399.0	9501.1	9556.5	9501.1	9399.0	9359.6	9260.1	9015.4	8718.2	8270.8
-12.5°	9142.6	9218.9	9326.2	9361.1	9326.2	9218.9	9142.6	9032.2	8857.4	8533.2	8088.4
-15°	8892.6	9006.0	9110.5	9132.5	9110.5	9006.0	8892.6	8762.2	8569.0	8305.2	7868.5
-17.5°	8574.6	8710.6	8820.5	8844.9	8820.5	8710.6	8574.6	8428.7	8238.8	8003.2	7647.2
-20°	8224.3	8354.6	8448.1	8476.2	8448.1	8354.6	8224.3	8071.4	7892.1	7665.8	7330.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7849.3	7966.6	8045.6	8033.8	8045.6	7966.6	7849.3	7697.5	7531.8	7325.6	6964.8
-25°	7451.2	7560.0	7635.2	7624.5	7635.2	7560.0	7451.2	7318.6	7154.3	6935.3	6612.2
-27.5°	7030.2	7133.4	7205.7	7207.9	7205.7	7133.4	7030.2	6902.7	6737.4	6516.6	6240.8
-30°	6587.9	6681.5	6740.2	6717.6	6740.2	6681.5	6587.9	6464.2	6310.7	6096.2	5805.4
-32.5°	6131.6	6216.3	6270.2	6286.2	6270.2	6216.3	6131.6	6024.1	5894.8	5698.3	5387.5
-35°	5681.6	5756.3	5802.8	5814.3	5802.8	5756.3	5681.6	5583.4	5457.4	5302.0	4995.0
-37.5°	5234.5	5298.8	5331.2	5316.5	5331.2	5298.8	5234.5	5144.1	5030.5	4896.9	4631.8
-40°	4792.7	4853.9	4891.1	4899.9	4891.1	4853.9	4792.7	4710.5	4605.0	4474.8	4262.1
-42.5°	4358.3	4409.1	4441.8	4457.5	4441.8	4409.1	4358.3	4287.6	4176.5	4032.0	3861.0
-45°	3936.6	3982.1	4012.8	4029.8	4012.8	3982.1	3936.6	3873.4	3765.2	3625.5	3465.4
-47.5°	3526.5	3566.3	3592.8	3605.8	3592.8	3566.3	3526.5	3471.0	3374.5	3236.4	3078.3
-50°	3134.3	3168.8	3193.5	3207.6	3193.5	3168.8	3134.3	3086.2	3004.0	2869.9	2719.7
-52.5°	2762.3	2792.4	2813.5	2824.2	2813.5	2792.4	2762.3	2720.5	2654.8	2527.9	2389.7
-55°	2407.1	2431.5	2451.0	2462.9	2451.0	2431.5	2407.1	2372.7	2325.6	2208.0	2080.8
-57.5°	2075.9	2095.8	2114.3	2127.4	2114.3	2095.8	2075.9	2046.7	2008.1	1907.3	1796.0
-60°	1765.8	1784.6	1800.3	1810.3	1800.3	1784.6	1765.8	1739.9	1707.0	1631.1	1540.8
-62.5°	1486.0	1502.7	1517.0	1526.4	1517.0	1502.7	1486.0	1462.8	1433.2	1374.7	1301.7
-65°	1217.8	1232.7	1243.5	1249.9	1243.5	1232.7	1217.8	1197.6	1171.9	1130.1	1076.1
-67.5°	991.7	1008.9	1012.4	1010.2	1012.4	1008.9	991.7	970.7	946.2	913.8	873.3
-70°	789.8	804.4	807.9	807.4	807.9	804.4	789.8	772.9	754.0	730.7	700.6
-72.5°	617.6	625.6	618.8	608.3	618.8	625.6	617.6	608.5	598.6	585.4	563.0
-75°	463.4	458.4	451.2	442.4	451.2	458.4	463.4	467.5	470.8	469.9	453.3
-77.5°	339.4	326.8	318.6	309.7	318.6	326.8	339.4	350.9	361.3	367.9	356.5
-80°	236.3	224.0	215.5	206.5	215.5	224.0	236.3	247.8	258.5	267.1	263.3
-82.5°	149.7	139.6	134.4	129.0	134.4	139.6	149.7	159.3	168.2	176.0	173.7
-85°	83.1	77.1	73.7	70.1	73.7	77.1	83.1	88.8	94.0	98.7	96.1
-87.5°	36.8	36.8	35.0	33.2	35.0	36.8	36.8	36.7	36.5	36.4	35.3
-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-SA3D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20.3	19.3	18.4	17.5	16.6	15.6	14.7	13.8	12.9	12.0	11.1
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	0.1	0.1	0.0	0.0	0.3	0.5	0.2	0.0	0.4
67.5°	0.0	0.0	0.7	1.5	1.9	1.9	1.7	1.9	2.2	2.0	1.9
65°	2.2	1.4	0.9	1.8	2.8	3.7	3.9	3.4	3.3	3.8	4.6
62.5°	7.5	7.8	6.7	5.6	4.9	5.4	5.9	6.3	5.5	4.4	5.8
60°	22.2	13.5	19.7	21.1	16.8	14.6	21.8	20.7	10.8	9.3	8.4
57.5°	106.9	89.5	98.2	89.3	61.1	53.3	55.3	52.7	47.7	29.2	12.5
55°	368.7	315.9	248.2	214.4	206.5	158.0	117.7	98.3	89.2	64.4	42.6
52.5°	468.3	435.4	384.1	313.5	275.8	261.6	223.7	179.0	142.2	113.7	81.7
50°	587.2	596.0	543.4	445.6	407.0	365.1	328.2	276.5	229.9	184.4	136.1
47.5°	957.9	892.3	839.6	766.6	628.0	539.6	481.4	396.7	332.8	277.8	218.2
45°	1277.2	1202.1	1150.6	1037.3	890.1	753.2	661.9	555.6	442.6	368.9	314.9
42.5°	1504.0	1406.8	1322.1	1229.7	1089.0	934.6	809.2	704.2	585.3	465.9	394.0
40°	1725.9	1571.8	1487.8	1405.1	1272.5	1099.3	1001.7	847.4	723.3	590.9	492.7
37.5°	2056.9	1794.9	1765.2	1685.6	1535.6	1355.4	1245.6	1093.3	863.2	738.3	625.4
35°	2616.2	2346.3	2190.5	2112.5	1918.0	1688.4	1507.6	1365.4	1137.0	891.2	761.1
32.5°	3232.6	2891.0	2654.6	2543.2	2334.5	2023.0	1799.9	1619.0	1389.8	1111.7	903.0
30°	3580.7	3269.1	2984.3	2793.9	2591.1	2323.3	2067.3	1811.9	1563.1	1332.9	1056.7
27.5°	3904.5	3516.2	3209.1	2994.2	2804.2	2546.8	2263.5	1989.8	1716.4	1488.9	1242.6
25°	4213.1	3782.7	3448.1	3195.7	2974.8	2771.1	2450.8	2151.8	1866.5	1615.2	1422.5
22.5°	4500.5	4101.0	3715.5	3385.5	3198.4	2979.6	2663.9	2301.7	2023.0	1811.6	1584.8
20°	4974.0	4526.7	4038.5	3753.0	3579.0	3241.0	2883.8	2525.6	2269.7	2027.6	1760.9
17.5°	5754.4	5196.3	4612.6	4306.8	4060.4	3645.9	3190.7	2835.3	2515.8	2246.0	1952.5
15°	6608.7	5890.4	5312.0	4917.0	4526.7	4041.1	3514.2	3130.3	2767.2	2463.7	2128.5
12.5°	7031.0	6347.1	5835.4	5278.8	4775.3	4335.4	3836.8	3413.4	3001.4	2605.9	2237.4
10°	7282.9	6603.3	6024.6	5469.0	4964.2	4540.9	4077.8	3576.3	3118.5	2700.0	2328.2
7.5°	7478.9	6778.7	6162.3	5609.2	5097.7	4651.2	4208.0	3682.2	3212.2	2776.0	2401.1
5°	7614.6	6915.3	6290.3	5731.1	5192.6	4730.3	4304.6	3762.4	3282.0	2833.7	2456.4
2.5°	7754.4	7021.4	6370.4	5809.9	5253.1	4780.4	4363.1	3823.6	3338.8	2876.6	2502.6
0°	7808.9	7082.6	6426.3	5851.1	5287.0	4800.4	4380.1	3863.9	3377.2	2901.6	2532.9
-2.5°	7844.0	7102.5	6448.1	5877.9	5331.9	4831.9	4399.2	3909.1	3389.4	2928.6	2541.4
-5°	7790.7	7079.0	6429.8	5855.8	5332.9	4834.4	4385.8	3915.8	3386.4	2935.8	2534.8
-7.5°	7725.3	7016.6	6360.0	5796.9	5294.4	4801.0	4346.2	3886.5	3374.8	2924.0	2522.4
-10°	7614.9	6917.1	6292.1	5735.7	5226.8	4730.0	4288.4	3830.9	3337.1	2890.6	2493.1
-12.5°	7467.5	6791.4	6174.1	5623.9	5135.6	4656.8	4224.4	3754.0	3272.7	2834.8	2446.7
-15°	7272.7	6626.9	6028.1	5491.7	5019.5	4561.7	4129.6	3668.9	3210.1	2766.1	2383.1
-17.5°	7059.7	6409.9	5820.1	5314.9	4866.9	4433.0	4008.9	3579.6	3137.8	2701.6	2325.8
-20°	6817.7	6179.6	5595.4	5105.7	4683.0	4271.9	3879.7	3479.7	3037.5	2627.5	2265.7



REPORT NUMBER: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-722-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°	6469.7	5906.0	5370.4	4890.1	4486.1	4109.8	3732.1	3345.3	2907.4	2534.7	2183.9
-25°	6125.5	5601.4	5120.0	4678.6	4288.4	3931.0	3563.7	3180.3	2791.7	2425.6	2083.8
-27.5°	5788.7	5303.4	4823.6	4426.9	4076.5	3727.4	3382.2	3019.5	2661.7	2302.9	1989.8
-30°	5425.2	4971.2	4538.7	4166.3	3834.6	3511.6	3201.1	2862.5	2510.5	2169.9	1888.4
-32.5°	5025.9	4627.4	4246.3	3895.7	3585.6	3299.5	3004.8	2683.8	2336.0	2045.7	1770.9
-35°	4638.3	4270.5	3941.6	3632.4	3350.9	3089.0	2803.8	2482.4	2176.9	1904.5	1638.4
-37.5°	4291.5	3933.2	3628.6	3362.2	3127.1	2878.8	2594.4	2309.2	2022.0	1747.3	1515.2
-40°	3932.6	3598.3	3327.8	3111.2	2886.2	2662.7	2412.4	2147.1	1863.8	1595.5	1394.3
-42.5°	3584.7	3315.0	3048.3	2831.5	2629.8	2446.8	2235.6	1967.9	1707.4	1474.4	1281.0
-45°	3244.1	2999.1	2755.6	2557.9	2390.1	2218.5	2029.8	1786.4	1552.5	1352.4	1170.0
-47.5°	2894.1	2687.8	2484.7	2300.9	2151.0	1984.3	1802.1	1596.0	1404.3	1224.0	1062.4
-50°	2558.1	2390.7	2226.4	2067.2	1915.5	1752.7	1589.9	1423.5	1252.5	1095.3	948.7
-52.5°	2241.7	2103.1	1964.3	1825.0	1692.3	1550.1	1399.8	1251.8	1101.4	970.1	839.1
-55°	1944.1	1825.3	1715.2	1603.4	1491.6	1363.3	1227.9	1094.5	974.4	853.8	747.1
-57.5°	1680.7	1576.4	1488.8	1397.5	1303.0	1189.4	1073.5	960.8	861.2	761.4	662.6
-60°	1447.9	1357.0	1281.9	1202.3	1118.5	1023.5	931.5	842.2	756.2	674.6	589.5
-62.5°	1228.1	1154.7	1087.0	1019.7	951.5	879.6	800.9	728.9	662.1	593.5	516.5
-65°	1020.1	962.6	905.8	851.4	795.4	737.6	674.9	618.0	563.4	507.7	441.2
-67.5°	830.4	785.4	739.4	693.9	650.2	604.3	556.7	509.2	464.8	419.3	365.3
-70°	668.5	634.6	598.9	560.9	524.7	488.8	451.9	413.5	372.9	335.8	298.8
-72.5°	539.5	515.2	488.5	457.8	425.2	394.2	364.3	334.3	303.4	271.7	239.4
-75°	436.0	418.2	397.8	372.2	345.8	318.8	293.7	267.9	239.7	208.9	178.9
-77.5°	345.3	334.3	321.8	301.3	280.6	259.8	237.3	209.1	180.4	152.0	127.3
-80°	258.8	253.6	246.2	228.4	210.6	192.9	174.2	149.6	125.2	102.3	83.9
-82.5°	170.8	167.2	162.5	150.6	138.9	127.4	115.6	98.5	82.2	66.7	53.0
-85°	93.3	90.3	86.9	81.3	75.7	70.1	64.5	55.1	46.2	38.0	30.6
-87.5°	34.2	33.0	31.8	30.6	29.4	28.1	26.8	24.0	21.3	18.7	16.3
-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: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-722-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°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	10.2	9.3	8.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.9
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.6	1.1
82.5°	0.0	0.0	0.0	0.1	0.6	1.0	1.1	1.0	0.5	0.1	0.3
80°	0.0	0.0	0.0	0.1	0.9	2.0	2.4	2.5	1.9	1.3	0.7
77.5°	0.0	0.0	0.0	0.0	0.4	1.1	2.1	3.4	3.3	2.6	1.8
75°	0.0	0.0	0.0	0.1	0.2	0.1	0.8	1.9	3.0	3.6	2.9
72.5°	0.0	0.0	0.0	0.5	1.0	1.0	0.6	0.6	2.1	3.1	3.7
70°	0.5	0.2	0.0	0.6	1.5	2.3	2.1	1.7	1.4	2.7	3.5
67.5°	1.7	1.9	1.4	1.0	1.7	2.6	3.4	3.3	2.9	2.4	3.4
65°	4.3	4.0	3.6	3.2	2.8	2.7	3.6	4.6	4.3	3.7	3.4
62.5°	6.5	6.4	5.9	5.4	4.8	4.2	3.9	5.1	5.6	5.0	4.2
60°	8.3	8.7	8.3	7.6	6.8	6.0	5.5	5.8	6.5	6.2	5.3
57.5°	11.5	11.2	11.0	10.0	8.8	7.9	7.4	7.2	7.4	7.3	6.4
55°	20.2	14.1	14.2	13.1	11.3	9.8	9.3	9.0	8.6	8.4	7.5
52.5°	51.2	28.4	18.2	16.8	14.7	12.0	11.2	10.7	10.1	9.6	8.6
50°	94.6	61.2	34.7	21.7	18.5	15.8	13.1	12.4	11.7	11.0	9.6
47.5°	151.3	105.3	68.4	34.3	23.9	19.7	16.4	14.2	13.2	12.3	10.6
45°	233.2	155.1	107.5	67.9	31.9	27.2	20.3	15.9	14.8	13.6	11.6
42.5°	324.4	227.5	150.8	102.6	60.9	37.7	24.3	19.2	16.3	14.9	12.8
40°	413.9	314.5	202.6	141.5	91.9	50.6	34.9	23.0	17.8	16.4	14.0
37.5°	512.9	406.5	283.8	182.9	123.5	77.2	47.9	26.8	20.3	17.9	15.3
35°	635.3	508.4	365.2	243.8	163.5	101.9	62.2	34.1	24.9	19.6	16.6
32.5°	757.6	610.3	453.0	314.5	205.4	124.7	81.0	48.7	30.4	21.3	18.0
30°	880.7	703.6	535.7	379.9	253.6	161.2	101.2	62.8	36.6	23.0	19.4
27.5°	991.5	791.6	613.1	448.3	310.1	199.8	122.3	76.5	43.5	26.1	20.8
25°	1116.6	886.8	689.4	513.7	361.7	240.1	143.9	89.9	53.6	31.4	22.3
22.5°	1277.7	984.5	760.0	572.9	412.9	278.6	171.8	107.7	64.7	37.0	23.7
20°	1437.8	1080.0	829.2	647.2	468.5	321.9	204.0	125.3	75.2	42.9	25.2
17.5°	1595.0	1202.4	929.8	723.0	528.1	362.4	234.1	142.7	85.1	48.8	26.6
15°	1735.9	1342.6	1028.8	794.7	586.4	399.8	261.9	159.5	94.4	54.8	28.5
12.5°	1854.2	1463.5	1122.0	861.9	642.6	434.1	287.3	175.7	103.1	61.5	31.0
10°	1952.0	1565.7	1208.4	923.9	695.6	464.8	310.2	191.8	113.1	68.5	33.7
7.5°	2030.1	1650.2	1287.0	980.2	743.8	493.6	334.9	208.8	122.8	75.2	36.5
5°	2088.8	1716.1	1347.7	1020.6	782.0	520.1	357.6	224.5	131.9	81.4	39.2
2.5°	2127.0	1764.5	1392.8	1052.3	813.2	542.3	377.6	238.5	140.1	87.1	41.8
0°	2149.5	1799.2	1426.8	1076.6	836.9	560.4	394.5	250.7	147.5	92.2	44.2
-2.5°	2169.6	1821.9	1456.5	1119.0	853.2	590.0	405.3	261.7	159.1	95.8	48.7
-5°	2176.2	1832.0	1476.0	1151.7	863.1	614.0	412.9	270.7	169.3	98.8	52.8
-7.5°	2165.0	1826.0	1482.9	1170.2	867.7	630.9	417.4	277.7	177.7	101.1	56.4
-10°	2140.1	1806.2	1473.9	1164.6	874.0	636.2	419.9	282.9	183.7	102.8	59.4
-12.5°	2103.1	1776.3	1454.5	1152.3	872.9	632.8	426.9	286.9	186.9	103.9	61.6
-15°	2054.7	1737.3	1424.9	1134.0	862.4	625.2	428.6	288.4	186.5	106.1	63.0
-17.5°	1997.6	1689.9	1385.2	1110.7	842.0	613.7	424.7	286.6	184.6	109.3	64.3
-20°	1940.5	1637.3	1338.1	1083.2	811.1	598.9	414.9	281.3	181.2	111.3	65.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	1873.6	1576.9	1297.4	1044.9	777.7	580.9	398.7	272.4	176.4	112.2	66.3
-25°	1796.7	1506.4	1248.5	992.1	751.5	560.6	382.1	259.7	170.1	111.9	66.1
-27.5°	1709.8	1431.0	1190.8	934.3	724.1	532.3	366.2	250.3	164.8	110.3	65.1
-30°	1612.8	1360.1	1121.9	878.8	690.7	501.7	345.5	239.9	162.4	108.3	63.2
-32.5°	1508.2	1280.1	1047.9	836.5	652.8	469.9	327.3	228.0	158.4	105.7	63.3
-35°	1410.2	1193.2	972.3	787.6	612.5	451.0	315.0	214.9	152.7	102.0	63.7
-37.5°	1305.2	1102.1	912.5	736.7	570.1	429.4	305.1	209.0	145.2	97.3	63.4
-40°	1204.2	1015.6	843.3	688.1	538.7	405.0	289.6	202.5	138.1	91.5	62.6
-42.5°	1101.9	934.4	777.0	635.3	509.1	381.5	269.6	192.4	132.4	88.2	61.1
-45°	1007.8	850.4	706.6	589.2	476.1	351.3	254.3	179.8	125.3	85.8	59.8
-47.5°	908.9	765.0	642.1	538.7	433.1	318.5	234.8	169.8	116.9	82.7	59.0
-50°	806.8	684.1	581.9	483.3	380.4	291.2	213.9	158.0	113.8	80.3	57.5
-52.5°	717.4	612.9	520.2	426.2	340.7	259.2	198.1	145.3	109.8	78.2	55.5
-55°	640.5	545.3	459.5	379.5	302.8	235.6	180.1	139.2	104.9	75.7	53.0
-57.5°	572.4	482.6	409.7	337.9	271.2	213.0	167.5	132.1	99.6	72.1	50.8
-60°	506.3	432.6	364.5	300.4	241.7	193.4	157.7	123.8	93.4	67.6	48.3
-62.5°	445.2	380.3	321.0	263.1	215.3	177.5	146.5	114.2	86.0	62.0	45.0
-65°	381.1	325.8	275.7	230.2	191.3	158.9	131.9	103.2	76.4	55.3	40.8
-67.5°	314.5	273.9	234.8	196.9	165.1	137.9	115.1	88.7	65.0	47.4	35.8
-70°	261.9	226.2	193.0	163.3	137.3	115.1	94.1	71.7	52.4	40.6	30.5
-72.5°	208.5	179.3	152.2	128.5	110.0	91.2	72.0	54.9	43.5	33.5	24.9
-75°	154.3	134.6	116.9	100.5	83.8	67.3	54.9	43.6	34.2	26.1	21.0
-77.5°	112.0	97.7	84.7	74.3	62.8	51.9	41.5	32.0	25.9	21.6	17.7
-80°	76.1	68.6	61.4	54.1	44.9	36.1	29.9	24.6	20.9	17.4	14.2
-82.5°	47.9	43.9	40.3	36.6	31.3	26.4	22.2	18.5	15.7	13.1	11.6
-85°	28.4	26.3	24.2	22.1	19.1	16.5	15.2	14.1	12.9	11.7	10.5
-87.5°	16.0	15.8	15.5	15.3	14.5	13.8	13.2	12.6	11.6	10.5	9.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.8

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Scaled Data Report



REPORT NUMBER: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.4	6.5	5.6	4.6	3.7	3.7	3.7
87.5°	2.7	3.1	3.4	3.6	3.7	3.7	3.7
85°	1.8	2.5	3.1	3.5	3.7	3.7	3.7
82.5°	0.9	1.9	2.8	3.3	3.7	3.7	3.7
80°	0.2	1.4	2.5	3.2	3.7	3.7	3.7
77.5°	1.1	1.2	2.2	3.1	3.7	3.7	3.7
75°	2.1	1.8	2.0	3.1	3.7	3.7	3.7
72.5°	3.0	2.4	2.3	3.0	3.7	3.7	3.7
70°	3.7	2.9	2.7	3.0	3.7	3.7	3.7
67.5°	3.8	3.5	3.0	3.1	3.7	3.7	3.7
65°	4.0	3.8	3.2	3.2	3.7	3.7	3.7
62.5°	4.1	4.1	3.5	3.3	3.7	3.7	3.7
60°	4.4	4.4	3.7	3.4	3.7	3.7	3.7
57.5°	5.3	4.8	4.0	3.5	3.7	3.7	3.7
55°	6.2	5.2	4.4	3.6	3.8	3.7	3.7
52.5°	7.1	5.7	4.8	3.6	3.9	3.7	3.7
50°	8.0	6.4	5.2	3.7	3.9	3.7	3.7
47.5°	8.9	7.2	5.7	3.8	4.0	3.7	3.7
45°	9.8	7.9	6.1	4.1	4.1	3.7	3.7
42.5°	10.6	8.6	6.6	4.5	4.3	3.7	3.7
40°	11.4	9.3	7.1	4.9	4.4	3.7	3.7
37.5°	12.2	9.9	7.6	5.4	4.5	3.7	3.7
35°	13.0	10.6	8.1	5.9	4.7	3.7	3.7
32.5°	13.8	11.2	8.6	6.4	4.9	3.7	3.7
30°	14.9	11.8	9.1	6.8	5.1	3.7	3.7
27.5°	16.0	12.3	9.7	7.3	5.2	3.7	3.7
25°	17.1	12.9	10.2	7.7	5.4	3.7	3.7
22.5°	18.2	13.4	10.8	8.1	5.6	3.7	3.7
20°	19.2	14.1	11.3	8.5	5.8	3.7	3.7
17.5°	20.3	14.7	11.8	8.9	6.0	3.7	3.7
15°	21.3	15.3	12.3	9.3	6.3	3.7	3.7
12.5°	22.3	15.9	12.8	9.6	6.5	3.7	3.7
10°	23.1	16.5	13.2	10.0	6.7	3.7	3.7
7.5°	23.9	17.0	13.6	10.3	6.9	3.7	3.7
5°	24.6	17.5	14.0	10.6	7.1	3.7	3.7
2.5°	25.3	18.0	14.4	10.8	7.2	3.7	3.7
0°	25.8	18.4	14.7	11.1	7.4	3.7	3.7
-2.5°	27.2	18.8	15.0	11.1	7.4	3.7	3.7
-5°	28.6	19.1	15.3	11.1	7.4	3.7	3.7
-7.5°	29.7	19.5	15.5	11.0	7.3	3.7	3.7
-10°	30.7	19.7	15.7	10.9	7.3	3.7	3.7
-12.5°	31.4	20.0	15.8	10.8	7.2	3.7	3.7
-15°	31.8	20.2	15.9	10.7	7.1	3.7	3.7
-17.5°	32.0	20.4	15.9	10.6	7.1	3.7	3.7
-20°	32.8	20.5	15.8	10.4	7.0	3.7	3.7

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Scaled Data Report



REPORT NUMBER: P627190 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	34.9	20.6	15.6	10.3	6.8	3.7	3.7
-25°	36.6	21.9	15.3	10.1	6.7	3.7	3.7
-27.5°	38.0	23.6	14.9	9.8	6.6	3.7	3.7
-30°	38.9	25.1	14.6	9.6	6.4	3.7	3.7
-32.5°	39.4	26.3	15.1	9.4	6.2	3.7	3.7
-35°	40.4	27.3	15.5	9.1	6.1	3.7	3.7
-37.5°	41.5	27.9	15.8	8.8	5.9	3.7	3.7
-40°	42.2	28.1	15.9	8.5	5.7	3.7	3.7
-42.5°	42.4	28.1	16.0	8.3	5.5	3.7	3.7
-45°	42.2	27.9	16.1	8.4	5.2	3.7	3.7
-47.5°	41.5	27.5	16.0	8.3	5.0	3.7	3.7
-50°	40.7	26.9	15.7	8.2	4.8	3.7	3.7
-52.5°	39.6	26.1	15.2	8.0	4.5	3.7	3.7
-55°	38.2	25.0	14.6	7.8	4.2	3.7	3.7
-57.5°	36.5	23.7	13.7	7.5	4.0	3.7	3.7
-60°	34.5	22.0	12.8	7.2	3.7	3.7	3.7
-62.5°	31.7	20.2	12.1	6.8	3.7	3.7	3.7
-65°	28.6	18.1	11.3	6.4	3.7	3.7	3.7
-67.5°	25.1	16.2	10.4	5.9	3.7	3.7	3.7
-70°	21.4	14.7	9.5	5.3	3.7	3.7	3.7
-72.5°	18.9	13.2	8.4	5.2	3.7	3.7	3.7
-75°	16.4	11.5	7.4	5.2	3.7	3.7	3.7
-77.5°	13.9	9.7	7.0	5.1	3.7	3.7	3.7
-80°	11.3	8.7	6.7	5.0	3.7	3.7	3.7
-82.5°	10.2	8.2	6.5	5.0	3.7	3.7	3.7
-85°	9.3	7.7	6.2	4.9	3.7	3.7	3.7
-87.5°	8.4	7.1	5.9	4.7	3.7	3.7	3.7
-90°	3.7	3.7	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)