

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: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-722-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-722-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N87
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

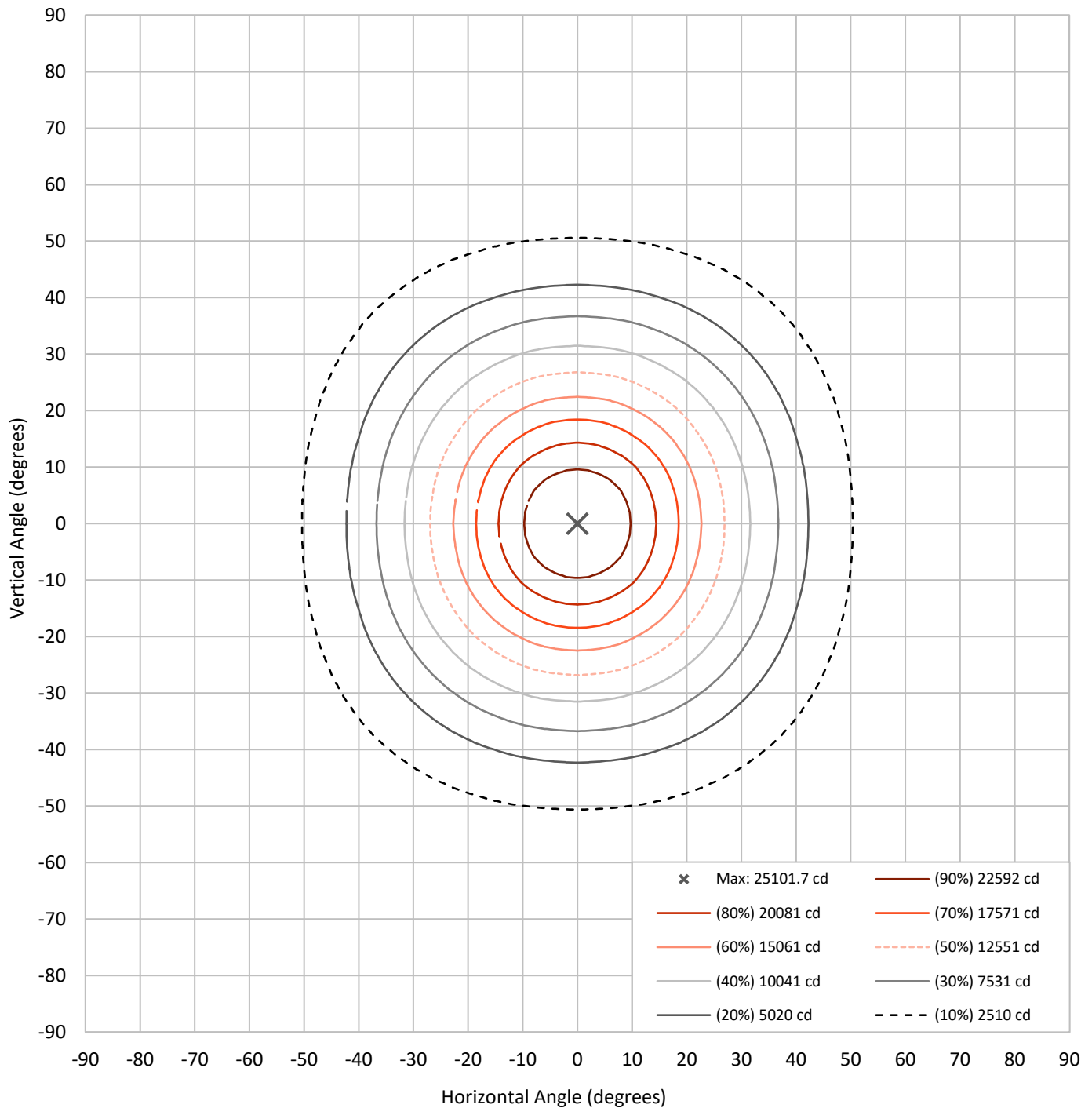
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	25547.7 lumens	Max Intensity:	25101.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	99.8 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	12215.3 lumens	Field Lumens:	22546.7 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
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		



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CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

Iso-Candela Plot





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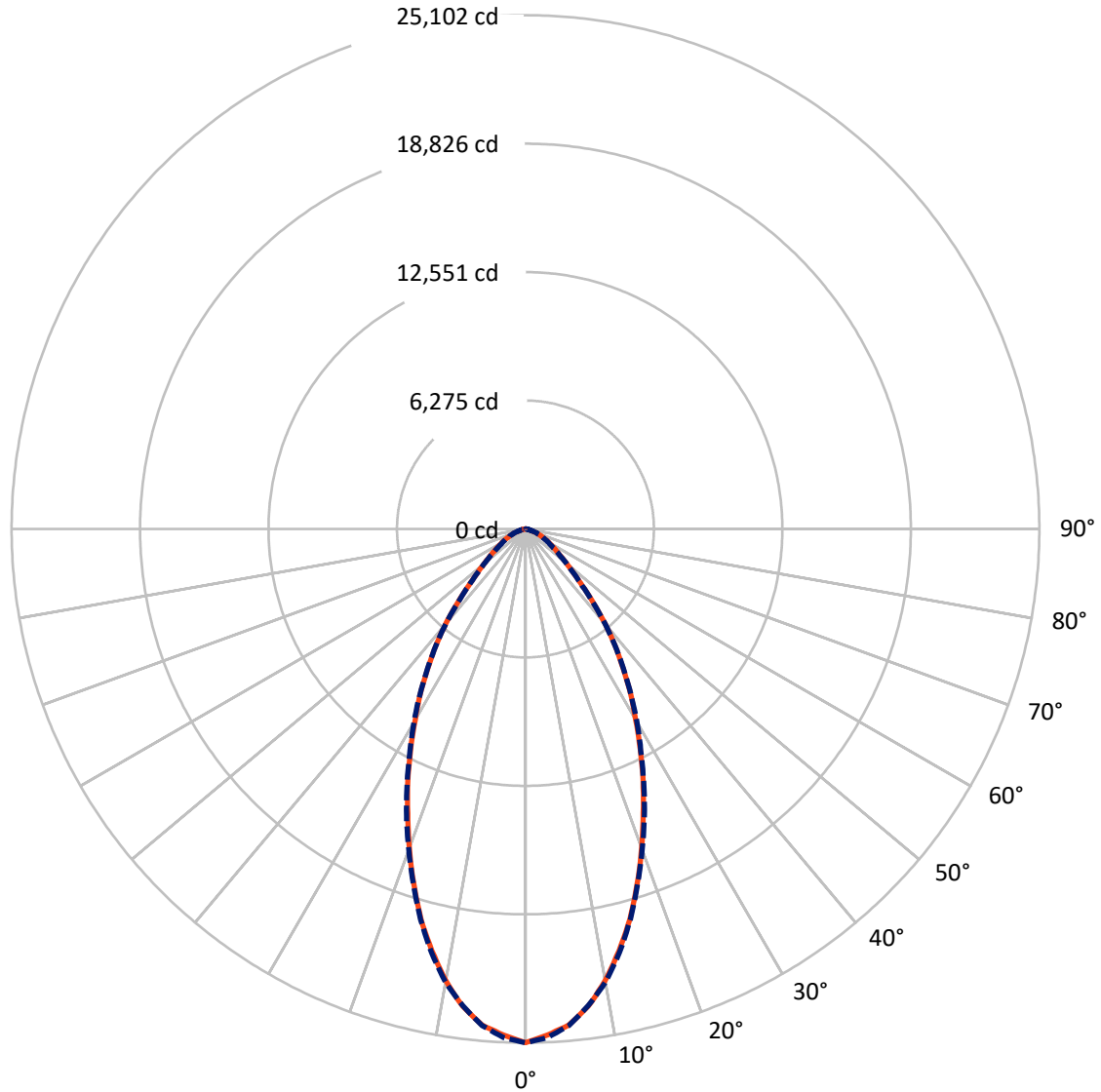
CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

Lumen Table

90																			
80	1.0	7.0		16.1		26.7		22.9		26.7		16.1		7.0		1.0			
70																			
60	3.3	3.9	7.3	11.7	17.0	22.1	26.0	27.8	27.8	26.0	22.1	17.0	11.7	7.3	3.9	3.3			
50		5.5	11.1	19.2	29.4	40.4	50.5	56.3	56.3	50.5	40.4	29.4	19.2	11.1	5.5				
40	4.9	7.0	15.3	28.6	48.2	74.2	102.2	121.0	121.0	102.2	74.2	48.2	28.6	15.3	7.0	4.9			
30		8.6	20.1	41.6	81.0	143.8	208.9	247.8	247.8	208.9	143.8	81.0	41.6	20.1	8.6				
20	5.8	10.0	25.0	58.2	130.9	235.3	336.7	402.5	402.5	336.7	235.3	130.9	58.2	25.0	10.0	5.8			
10		11.1	29.3	75.5	178.7	317.7	469.1	577.1	577.1	469.1	317.7	178.7	75.5	29.3	11.1				
0	6.1	11.7	31.7	86.7	205.7	369.4	562.1	706.9	706.9	562.1	369.4	205.7	86.7	31.7	11.7	6.1			
-10		11.7	31.7	86.7	205.7	369.4	562.1	706.9	706.9	562.1	369.4	205.7	86.7	31.7	11.7				
-20	5.8	11.1	29.3	75.5	178.7	317.7	469.1	577.1	577.1	469.1	317.7	178.7	75.5	29.3	11.1	5.8			
-30		10.0	25.0	58.2	130.9	235.3	336.7	402.5	402.5	336.7	235.3	130.9	58.2	25.0	10.0				
-40	4.9	8.6	20.1	41.6	81.0	143.8	208.9	247.8	247.8	208.9	143.8	81.0	41.6	20.1	8.6	4.9			
-50		7.0	15.3	28.6	48.2	74.2	102.2	121.0	121.0	102.2	74.2	48.2	28.6	15.3	7.0				
-60	3.3	5.5	11.1	19.2	29.4	40.4	50.5	56.3	56.3	50.5	40.4	29.4	19.2	11.1	5.5	3.3			
-70		3.9	7.3	11.7	17.0	22.1	26.0	27.8	27.8	26.0	22.1	17.0	11.7	7.3	3.9				
-80																			
-90	1.0	7.0		16.1		26.7		22.9		26.7		16.1		7.0		1.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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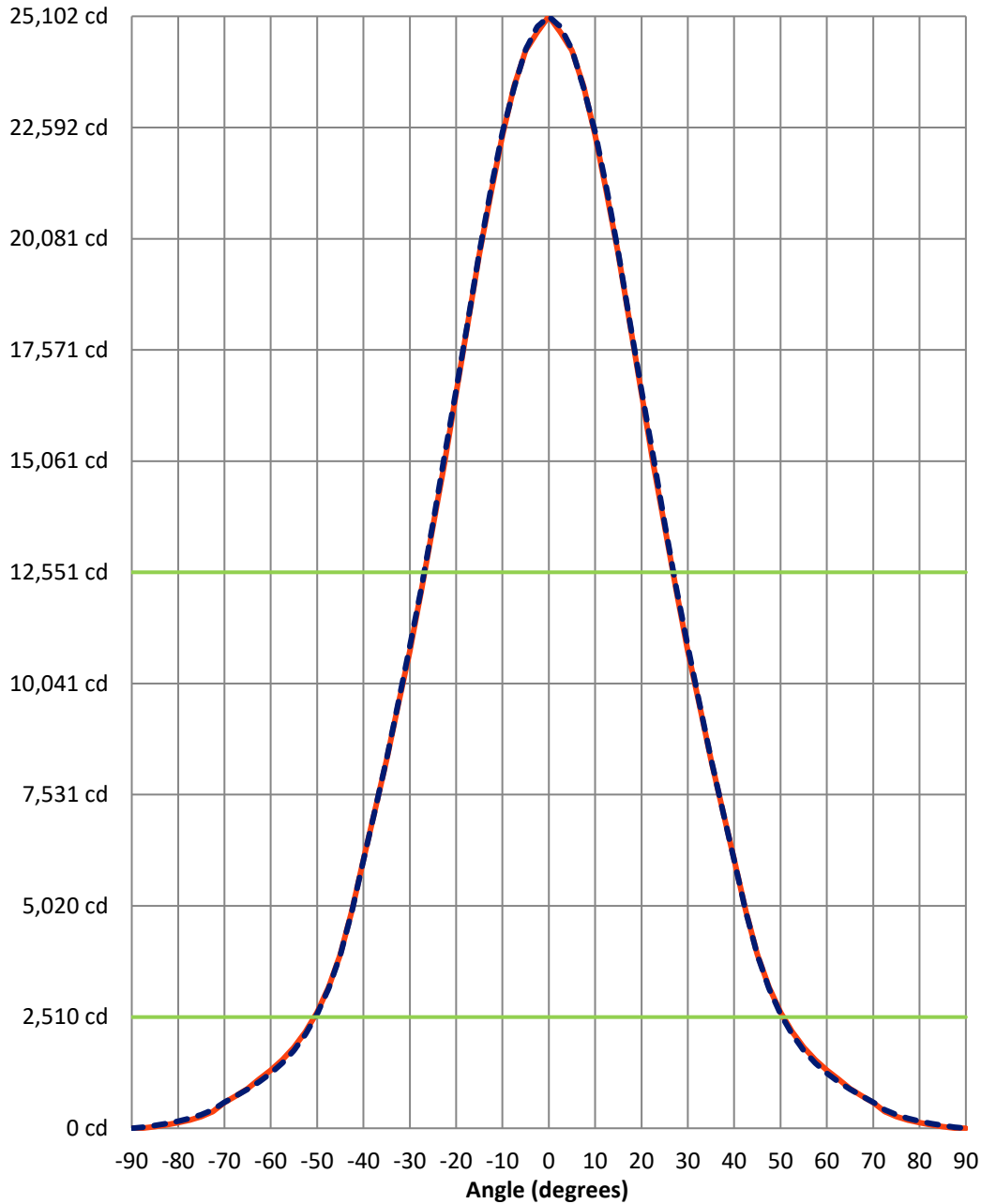
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 12215.3
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 22546.7
 Efficiency: 88.3%

Spill:
 Lumens: 3001
 Efficiency: 11.7%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.3	2.9	4.8	6.9	9.3	11.9	13.2	14.3	15.1	15.8
85°	0.0	2.5	5.9	9.6	13.8	18.6	23.8	26.4	28.5	30.3	31.6
82.5°	0.0	3.8	8.8	14.3	20.7	27.8	35.6	39.6	43.7	50.6	56.8
80°	0.0	5.1	11.6	19.0	27.5	36.9	48.3	60.1	70.3	79.4	87.5
77.5°	0.0	6.3	14.5	23.7	34.1	47.9	69.0	84.2	96.9	108.3	119.6
75°	0.0	7.5	17.3	28.3	41.3	62.7	89.1	108.3	123.5	138.9	155.5
72.5°	0.0	8.7	20.0	32.7	51.2	77.0	108.6	131.9	150.2	169.9	190.8
70°	0.0	9.9	22.7	37.4	60.7	90.7	127.0	154.2	176.4	200.3	228.4
67.5°	0.0	11.1	25.2	43.2	69.9	103.8	143.0	176.0	202.1	231.8	265.4
65°	0.0	12.2	27.8	48.8	78.5	115.9	158.2	197.3	227.5	262.1	300.5
62.5°	0.0	13.3	30.2	54.1	86.7	126.9	172.6	217.5	251.9	291.2	333.1
60°	0.0	14.3	32.5	59.0	94.3	137.2	186.1	236.7	275.1	319.3	364.8
57.5°	0.0	15.3	35.3	63.7	101.4	146.9	198.3	254.0	298.6	346.4	394.0
55°	0.0	16.3	38.0	67.9	108.0	155.7	209.5	267.8	321.6	372.5	421.8
52.5°	0.0	17.2	40.6	71.8	114.1	163.8	219.8	282.7	343.6	397.3	449.2
50°	0.0	18.1	43.1	75.4	119.6	171.3	229.1	296.8	364.9	421.5	479.0
47.5°	0.0	19.0	45.5	78.6	124.5	178.1	237.8	309.6	386.0	445.1	508.4
45°	0.0	19.8	47.8	81.8	128.9	184.0	247.5	321.1	401.0	470.6	536.8
42.5°	0.0	20.5	49.9	84.6	132.6	189.2	256.2	332.4	414.8	495.1	566.2
40°	0.0	21.2	51.9	87.7	136.0	193.6	263.8	343.4	428.5	517.9	594.7
37.5°	0.0	21.8	53.7	90.9	139.0	197.2	270.3	353.3	443.4	535.9	621.7
35°	0.0	22.4	55.5	93.8	141.4	201.2	275.7	362.1	457.7	555.7	649.3
32.5°	0.0	22.9	57.0	96.5	143.3	205.0	280.7	369.9	471.4	575.8	677.5
30°	0.0	23.4	58.5	98.8	144.6	208.0	286.2	377.4	484.3	596.2	704.1
27.5°	0.0	23.8	59.8	101.0	147.7	210.1	290.7	386.7	497.7	616.5	729.0
25°	0.0	24.2	60.9	102.8	150.7	211.4	294.2	395.1	512.7	636.5	752.4
22.5°	0.0	24.5	61.9	104.4	153.3	213.0	296.7	402.5	527.1	654.8	777.8
20°	0.0	24.7	62.7	105.7	155.6	216.9	298.1	408.7	540.6	671.3	800.6
17.5°	0.0	24.9	63.4	106.7	157.5	220.1	301.5	413.7	553.0	685.8	820.7
15°	0.0	25.1	63.9	107.4	159.0	222.6	305.5	418.5	564.2	698.4	837.9
12.5°	0.0	25.2	64.3	107.9	160.1	224.4	308.4	422.7	573.7	708.8	852.2
10°	0.0	25.2	64.5	108.1	160.8	225.5	310.2	425.1	581.0	717.5	863.8
7.5°	0.0	25.2	64.6	108.1	161.1	226.0	310.9	425.6	586.2	724.3	872.9
5°	0.0	25.1	64.5	107.8	161.1	225.8	310.6	424.4	589.0	728.8	878.9
2.5°	0.0	25.0	64.3	107.2	160.6	225.0	309.3	421.4	589.4	731.1	881.8
0°	0.0	24.8	63.9	106.4	159.7	223.5	306.9	416.9	587.2	730.9	881.7
-2.5°	0.0	25.0	64.3	107.2	160.6	225.0	309.3	421.4	589.4	731.1	881.8
-5°	0.0	25.1	64.5	107.8	161.1	225.8	310.6	424.4	589.0	728.8	878.9
-7.5°	0.0	25.2	64.6	108.1	161.1	226.0	310.9	425.6	586.2	724.3	872.9
-10°	0.0	25.2	64.5	108.1	160.8	225.5	310.2	425.1	581.0	717.5	863.8
-12.5°	0.0	25.2	64.3	107.9	160.1	224.4	308.4	422.7	573.7	708.8	852.2
-15°	0.0	25.1	63.9	107.4	159.0	222.6	305.5	418.5	564.2	698.4	837.9
-17.5°	0.0	24.9	63.4	106.7	157.5	220.1	301.5	413.7	553.0	685.8	820.7
-20°	0.0	24.7	62.7	105.7	155.6	216.9	298.1	408.7	540.6	671.3	800.6

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.5	61.9	104.4	153.3	213.0	296.7	402.5	527.1	654.8	777.8
-25°	0.0	24.2	60.9	102.8	150.7	211.4	294.2	395.1	512.7	636.5	752.4
-27.5°	0.0	23.8	59.8	101.0	147.7	210.1	290.7	386.7	497.7	616.5	729.0
-30°	0.0	23.4	58.5	98.8	144.6	208.0	286.2	377.4	484.3	596.2	704.1
-32.5°	0.0	22.9	57.0	96.5	143.3	205.0	280.7	369.9	471.4	575.8	677.5
-35°	0.0	22.4	55.5	93.8	141.4	201.2	275.7	362.1	457.7	555.7	649.3
-37.5°	0.0	21.8	53.7	90.9	139.0	197.2	270.3	353.3	443.4	535.9	621.7
-40°	0.0	21.2	51.9	87.7	136.0	193.6	263.8	343.4	428.5	517.9	594.7
-42.5°	0.0	20.5	49.9	84.6	132.6	189.2	256.2	332.4	414.8	495.1	566.2
-45°	0.0	19.8	47.8	81.8	128.9	184.0	247.5	321.1	401.0	470.6	536.8
-47.5°	0.0	19.0	45.5	78.6	124.5	178.1	237.8	309.6	386.0	445.1	508.4
-50°	0.0	18.1	43.1	75.4	119.6	171.3	229.1	296.8	364.9	421.5	479.0
-52.5°	0.0	17.2	40.6	71.8	114.1	163.8	219.8	282.7	343.6	397.3	449.2
-55°	0.0	16.3	38.0	67.9	108.0	155.7	209.5	267.8	321.6	372.5	421.8
-57.5°	0.0	15.3	35.3	63.7	101.4	146.9	198.3	254.0	298.6	346.4	394.0
-60°	0.0	14.3	32.5	59.0	94.3	137.2	186.1	236.7	275.1	319.3	364.8
-62.5°	0.0	13.3	30.2	54.1	86.7	126.9	172.6	217.5	251.9	291.2	333.1
-65°	0.0	12.2	27.8	48.8	78.5	115.9	158.2	197.3	227.5	262.1	300.5
-67.5°	0.0	11.1	25.2	43.2	69.9	103.8	143.0	176.0	202.1	231.8	265.4
-70°	0.0	9.9	22.7	37.4	60.7	90.7	127.0	154.2	176.4	200.3	228.4
-72.5°	0.0	8.7	20.0	32.7	51.2	77.0	108.6	131.9	150.2	169.9	190.8
-75°	0.0	7.5	17.3	28.3	41.3	62.7	89.1	108.3	123.5	138.9	155.5
-77.5°	0.0	6.3	14.5	23.7	34.1	47.9	69.0	84.2	96.9	108.3	119.6
-80°	0.0	5.1	11.6	19.0	27.5	36.9	48.3	60.1	70.3	79.4	87.5
-82.5°	0.0	3.8	8.8	14.3	20.7	27.8	35.6	39.6	43.7	50.6	56.8
-85°	0.0	2.5	5.9	9.6	13.8	18.6	23.8	26.4	28.5	30.3	31.6
-87.5°	0.0	1.3	2.9	4.8	6.9	9.3	11.9	13.2	14.3	15.1	15.8
-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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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°	16.0	16.0	15.7	15.3	14.6	13.7	12.6	11.3	11.8	12.3	12.7
85°	32.0	32.0	34.6	37.1	38.2	38.4	37.7	36.0	40.7	46.0	51.7
82.5°	62.5	67.9	73.0	77.8	78.3	77.1	74.7	71.9	81.4	92.9	104.9
80°	95.7	103.7	112.9	121.5	123.6	122.7	120.0	115.7	128.2	145.8	164.9
77.5°	132.9	145.6	157.4	168.3	171.4	170.9	168.9	165.4	181.3	205.8	231.3
75°	172.0	187.4	202.6	216.0	221.7	222.2	221.5	225.3	246.2	274.9	300.2
72.5°	212.8	232.4	249.6	264.3	273.5	280.5	289.8	301.1	322.3	350.5	375.3
70°	256.0	277.7	295.8	312.1	326.2	341.5	361.2	380.6	402.9	431.1	456.9
67.5°	298.6	320.6	341.0	361.1	386.7	411.3	435.8	461.2	489.3	518.8	544.9
65°	338.1	362.9	387.8	417.0	450.4	478.2	508.3	541.4	578.2	611.5	641.7
62.5°	375.9	404.0	434.9	470.1	506.1	541.0	581.4	624.0	667.0	708.7	750.0
60°	407.9	442.9	480.3	520.1	561.7	609.2	656.6	707.2	758.6	808.8	859.9
57.5°	438.7	481.9	525.0	571.3	623.3	677.6	734.4	791.4	852.9	913.6	971.7
55°	470.6	521.5	570.6	625.5	685.0	748.7	813.0	882.1	949.9	1026.5	1097.0
52.5°	504.7	560.0	617.8	680.6	750.1	821.9	897.3	976.5	1061.1	1146.1	1232.3
50°	537.9	600.4	664.6	739.8	817.5	899.6	986.6	1078.9	1177.3	1275.7	1380.0
47.5°	572.7	639.4	717.8	799.4	888.5	981.9	1080.5	1190.2	1299.6	1423.4	1543.1
45°	607.1	683.7	768.8	863.6	961.4	1066.6	1183.8	1304.4	1443.9	1583.8	1741.1
42.5°	640.0	728.3	824.4	925.8	1037.1	1158.0	1287.7	1439.2	1596.5	1769.8	1954.3
40°	677.9	771.0	879.2	992.6	1113.1	1251.3	1407.4	1575.7	1767.6	1972.8	2182.5
37.5°	714.5	819.2	933.3	1056.3	1196.2	1351.9	1524.2	1730.4	1951.9	2185.2	2470.5
35°	748.9	865.0	989.0	1123.7	1275.3	1455.7	1661.8	1889.6	2144.8	2445.8	2778.7
32.5°	785.5	908.4	1041.6	1192.8	1364.3	1561.4	1795.4	2063.7	2365.7	2708.4	3124.9
30°	822.3	953.1	1093.9	1257.4	1448.3	1676.3	1942.2	2238.7	2586.2	3016.0	3504.9
27.5°	856.3	994.9	1149.1	1325.9	1530.0	1782.2	2083.3	2430.9	2840.2	3325.9	3897.0
25°	887.6	1032.9	1199.8	1391.1	1619.9	1896.7	2223.1	2608.0	3094.3	3673.5	4376.1
22.5°	917.5	1067.6	1245.6	1449.8	1701.0	2007.4	2374.8	2815.3	3352.9	4002.9	4845.4
20°	945.5	1105.0	1291.1	1505.9	1773.4	2107.4	2514.3	3008.7	3620.5	4390.0	5305.6
17.5°	970.0	1138.0	1334.2	1566.6	1854.3	2209.1	2645.9	3179.6	3858.8	4735.7	5730.3
15°	991.2	1166.5	1371.5	1619.1	1927.0	2310.1	2784.0	3366.9	4107.3	5050.1	6103.2
12.5°	1008.8	1190.4	1402.8	1663.3	1988.1	2395.4	2901.9	3533.8	4349.4	5346.3	6430.6
10°	1022.8	1209.5	1428.0	1699.0	2037.4	2464.8	2999.0	3670.4	4550.8	5600.1	6707.5
7.5°	1034.5	1224.4	1447.4	1726.1	2074.7	2517.8	3074.7	3775.7	4708.2	5801.1	6920.0
5°	1042.8	1235.2	1462.0	1745.0	2102.0	2554.7	3127.5	3849.4	4820.2	5946.8	7065.3
2.5°	1047.5	1241.0	1470.4	1755.1	2118.8	2575.6	3155.3	3895.7	4881.8	6029.9	7153.2
0°	1048.5	1241.9	1472.5	1756.4	2123.6	2579.5	3159.7	3910.1	4894.7	6051.5	7185.1
-2.5°	1047.5	1241.0	1470.4	1755.1	2118.8	2575.6	3155.3	3895.7	4881.8	6029.9	7153.2
-5°	1042.8	1235.2	1462.0	1745.0	2102.0	2554.7	3127.5	3849.4	4820.2	5946.8	7065.3
-7.5°	1034.5	1224.4	1447.4	1726.1	2074.7	2517.8	3074.7	3775.7	4708.2	5801.1	6920.0
-10°	1022.8	1209.5	1428.0	1699.0	2037.4	2464.8	2999.0	3670.4	4550.8	5600.1	6707.5
-12.5°	1008.8	1190.4	1402.8	1663.3	1988.1	2395.4	2901.9	3533.8	4349.4	5346.3	6430.6
-15°	991.2	1166.5	1371.5	1619.1	1927.0	2310.1	2784.0	3366.9	4107.3	5050.1	6103.2
-17.5°	970.0	1138.0	1334.2	1566.6	1854.3	2209.1	2645.9	3179.6	3858.8	4735.7	5730.3
-20°	945.5	1105.0	1291.1	1505.9	1773.4	2107.4	2514.3	3008.7	3620.5	4390.0	5305.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	917.5	1067.6	1245.6	1449.8	1701.0	2007.4	2374.8	2815.3	3352.9	4002.9	4845.4
-25°	887.6	1032.9	1199.8	1391.1	1619.9	1896.7	2223.1	2608.0	3094.3	3673.5	4376.1
-27.5°	856.3	994.9	1149.1	1325.9	1530.0	1782.2	2083.3	2430.9	2840.2	3325.9	3897.0
-30°	822.3	953.1	1093.9	1257.4	1448.3	1676.3	1942.2	2238.7	2586.2	3016.0	3504.9
-32.5°	785.5	908.4	1041.6	1192.8	1364.3	1561.4	1795.4	2063.7	2365.7	2708.4	3124.9
-35°	748.9	865.0	989.0	1123.7	1275.3	1455.7	1661.8	1889.6	2144.8	2445.8	2778.7
-37.5°	714.5	819.2	933.3	1056.3	1196.2	1351.9	1524.2	1730.4	1951.9	2185.2	2470.5
-40°	677.9	771.0	879.2	992.6	1113.1	1251.3	1407.4	1575.7	1767.6	1972.8	2182.5
-42.5°	640.0	728.3	824.4	925.8	1037.1	1158.0	1287.7	1439.2	1596.5	1769.8	1954.3
-45°	607.1	683.7	768.8	863.6	961.4	1066.6	1183.8	1304.4	1443.9	1583.8	1741.1
-47.5°	572.7	639.4	717.8	799.4	888.5	981.9	1080.5	1190.2	1299.6	1423.4	1543.1
-50°	537.9	600.4	664.6	739.8	817.5	899.6	986.6	1078.9	1177.3	1275.7	1380.0
-52.5°	504.7	560.0	617.8	680.6	750.1	821.9	897.3	976.5	1061.1	1146.1	1232.3
-55°	470.6	521.5	570.6	625.5	685.0	748.7	813.0	882.1	949.9	1026.5	1097.0
-57.5°	438.7	481.9	525.0	571.3	623.3	677.6	734.4	791.4	852.9	913.6	971.7
-60°	407.9	442.9	480.3	520.1	561.7	609.2	656.6	707.2	758.6	808.8	859.9
-62.5°	375.9	404.0	434.9	470.1	506.1	541.0	581.4	624.0	667.0	708.7	750.0
-65°	338.1	362.9	387.8	417.0	450.4	478.2	508.3	541.4	578.2	611.5	641.7
-67.5°	298.6	320.6	341.0	361.1	386.7	411.3	435.8	461.2	489.3	518.8	544.9
-70°	256.0	277.7	295.8	312.1	326.2	341.5	361.2	380.6	402.9	431.1	456.9
-72.5°	212.8	232.4	249.6	264.3	273.5	280.5	289.8	301.1	322.3	350.5	375.3
-75°	172.0	187.4	202.6	216.0	221.7	222.2	221.5	225.3	246.2	274.9	300.2
-77.5°	132.9	145.6	157.4	168.3	171.4	170.9	168.9	165.4	181.3	205.8	231.3
-80°	95.7	103.7	112.9	121.5	123.6	122.7	120.0	115.7	128.2	145.8	164.9
-82.5°	62.5	67.9	73.0	77.8	78.3	77.1	74.7	71.9	81.4	92.9	104.9
-85°	32.0	32.0	34.6	37.1	38.2	38.4	37.7	36.0	40.7	46.0	51.7
-87.5°	16.0	16.0	15.7	15.3	14.6	13.7	12.6	11.3	11.8	12.3	12.7
-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: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-WR-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°	13.1	12.7	12.3	11.8	11.2	11.0	10.8	10.5	10.2	9.5	8.7
85°	57.7	59.0	59.7	60.1	60.1	62.0	63.8	65.4	66.9	60.6	53.7
82.5°	117.3	122.8	127.6	132.5	137.2	140.4	142.9	144.7	145.8	132.0	116.5
80°	184.6	196.2	205.8	215.0	223.7	225.9	225.9	224.6	222.2	203.3	181.9
77.5°	256.9	272.0	284.0	295.9	307.6	312.0	314.0	315.6	316.7	293.3	264.5
75°	322.3	340.3	357.2	372.8	387.2	394.8	399.3	403.0	405.8	382.4	351.4
72.5°	396.9	416.0	434.3	451.6	466.8	476.9	483.5	489.0	493.2	479.8	460.5
70°	479.0	498.8	518.0	536.0	553.3	566.9	577.6	586.8	594.5	596.0	595.3
67.5°	570.1	593.5	616.3	636.0	656.5	675.7	692.6	706.6	717.8	725.2	729.4
65°	672.4	707.5	738.8	765.2	787.4	813.0	835.7	852.9	865.1	874.3	882.3
62.5°	792.9	835.5	871.2	906.5	943.0	978.4	1000.5	1022.7	1044.4	1064.9	1082.4
60°	908.9	955.6	1004.0	1049.1	1090.8	1129.2	1168.9	1204.1	1235.0	1260.7	1279.9
57.5°	1032.6	1089.4	1144.4	1201.7	1255.5	1305.8	1354.9	1400.2	1439.3	1472.2	1499.2
55°	1166.8	1236.2	1301.6	1374.3	1444.7	1509.0	1568.1	1628.7	1683.4	1731.4	1769.6
52.5°	1311.4	1401.7	1488.3	1573.6	1664.9	1747.3	1821.1	1905.1	1979.6	2041.2	2089.2
50°	1484.1	1590.2	1704.6	1810.4	1925.5	2038.9	2143.5	2244.8	2343.9	2429.6	2498.9
47.5°	1680.8	1811.5	1953.1	2093.2	2236.2	2391.3	2529.6	2658.2	2796.7	2917.0	3013.5
45°	1899.5	2066.0	2237.0	2434.0	2615.6	2814.8	2999.2	3164.8	3361.2	3534.2	3673.5
42.5°	2142.0	2363.8	2588.7	2837.0	3077.8	3330.7	3599.3	3837.6	4098.1	4346.5	4547.2
40°	2442.6	2707.8	3009.0	3309.5	3655.2	3980.0	4371.3	4726.9	5049.9	5346.0	5588.7
37.5°	2776.7	3118.1	3496.5	3887.8	4360.9	4824.5	5282.6	5715.1	6096.8	6421.0	6692.9
35°	3156.0	3589.7	4048.0	4619.4	5173.6	5729.0	6246.3	6719.0	7134.2	7499.9	7810.9
32.5°	3592.2	4112.8	4754.4	5396.2	6028.4	6639.9	7207.9	7723.4	8178.8	8589.4	8947.0
30°	4050.8	4761.1	5481.2	6185.4	6875.9	7545.7	8169.1	8736.9	9251.5	9708.6	10120.6
27.5°	4633.6	5420.8	6206.0	6965.1	7724.8	8457.8	9133.4	9764.2	10354.6	10871.3	11342.2
25°	5197.3	6066.9	6901.7	7729.4	8556.3	9343.3	10098.7	10811.1	11487.3	12080.3	12606.1
22.5°	5760.9	6671.2	7563.2	8453.1	9341.4	10218.7	11066.9	11883.2	12639.5	13314.7	13906.6
20°	6283.0	7234.5	8188.4	9147.8	10110.6	11071.0	12023.6	12942.2	13784.8	14564.3	15249.4
17.5°	6750.9	7763.0	8774.3	9800.5	10844.3	11886.9	12945.1	13974.9	14938.1	15825.0	16619.8
15°	7165.4	8221.4	9307.6	10414.9	11535.7	12668.1	13822.8	14974.9	16059.2	17066.6	17953.8
12.5°	7527.8	8625.6	9764.0	10940.6	12157.1	13390.6	14650.9	15913.8	17114.1	18277.2	19235.2
10°	7826.7	8969.4	10159.3	11395.5	12678.4	14006.1	15358.1	16717.6	18040.0	19273.9	20369.4
7.5°	8057.7	9243.1	10469.2	11755.0	13100.9	14500.9	15933.2	17375.9	18787.1	20116.7	21328.7
5°	8220.6	9442.3	10683.9	12021.4	13414.0	14864.9	16353.5	17856.8	19332.2	20730.1	21986.3
2.5°	8315.1	9562.0	10808.9	12183.3	13600.3	15085.1	16614.0	18142.2	19656.4	21106.2	22397.2
0°	8340.0	9597.9	10880.5	12200.5	13658.8	15188.1	16662.3	18195.2	19768.8	21198.7	22484.9
-2.5°	8315.1	9562.0	10808.9	12183.3	13600.3	15085.1	16614.0	18142.2	19656.4	21106.2	22397.2
-5°	8220.6	9442.3	10683.9	12021.4	13414.0	14864.9	16353.5	17856.8	19332.2	20730.1	21986.3
-7.5°	8057.7	9243.1	10469.2	11755.0	13100.9	14500.9	15933.2	17375.9	18787.1	20116.7	21328.7
-10°	7826.7	8969.4	10159.3	11395.5	12678.4	14006.1	15358.1	16717.6	18040.0	19273.9	20369.4
-12.5°	7527.8	8625.6	9764.0	10940.6	12157.1	13390.6	14650.9	15913.8	17114.1	18277.2	19235.2
-15°	7165.4	8221.4	9307.6	10414.9	11535.7	12668.1	13822.8	14974.9	16059.2	17066.6	17953.8
-17.5°	6750.9	7763.0	8774.3	9800.5	10844.3	11886.9	12945.1	13974.9	14938.1	15825.0	16619.8
-20°	6283.0	7234.5	8188.4	9147.8	10110.6	11071.0	12023.6	12942.2	13784.8	14564.3	15249.4



REPORT NUMBER: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5760.9	6671.2	7563.2	8453.1	9341.4	10218.7	11066.9	11883.2	12639.5	13314.7	13906.6
-25°	5197.3	6066.9	6901.7	7729.4	8556.3	9343.3	10098.7	10811.1	11487.3	12080.3	12606.1
-27.5°	4633.6	5420.8	6206.0	6965.1	7724.8	8457.8	9133.4	9764.2	10354.6	10871.3	11342.2
-30°	4050.8	4761.1	5481.2	6185.4	6875.9	7545.7	8169.1	8736.9	9251.5	9708.6	10120.6
-32.5°	3592.2	4112.8	4754.4	5396.2	6028.4	6639.9	7207.9	7723.4	8178.8	8589.4	8947.0
-35°	3156.0	3589.7	4048.0	4619.4	5173.6	5729.0	6246.3	6719.0	7134.2	7499.9	7810.9
-37.5°	2776.7	3118.1	3496.5	3887.8	4360.9	4824.5	5282.6	5715.1	6096.8	6421.0	6692.9
-40°	2442.6	2707.8	3009.0	3309.5	3655.2	3980.0	4371.3	4726.9	5049.9	5346.0	5588.7
-42.5°	2142.0	2363.8	2588.7	2837.0	3077.8	3330.7	3599.3	3837.6	4098.1	4346.5	4547.2
-45°	1899.5	2066.0	2237.0	2434.0	2615.6	2814.8	2999.2	3164.8	3361.2	3534.2	3673.5
-47.5°	1680.8	1811.5	1953.1	2093.2	2236.2	2391.3	2529.6	2658.2	2796.7	2917.0	3013.5
-50°	1484.1	1590.2	1704.6	1810.4	1925.5	2038.9	2143.5	2244.8	2343.9	2429.6	2498.9
-52.5°	1311.4	1401.7	1488.3	1573.6	1664.9	1747.3	1821.1	1905.1	1979.6	2041.2	2089.2
-55°	1166.8	1236.2	1301.6	1374.3	1444.7	1509.0	1568.1	1628.7	1683.4	1731.4	1769.6
-57.5°	1032.6	1089.4	1144.4	1201.7	1255.5	1305.8	1354.9	1400.2	1439.3	1472.2	1499.2
-60°	908.9	955.6	1004.0	1049.1	1090.8	1129.2	1168.9	1204.1	1235.0	1260.7	1279.9
-62.5°	792.9	835.5	871.2	906.5	943.0	978.4	1000.5	1022.7	1044.4	1064.9	1082.4
-65°	672.4	707.5	738.8	765.2	787.4	813.0	835.7	852.9	865.1	874.3	882.3
-67.5°	570.1	593.5	616.3	636.0	656.5	675.7	692.6	706.6	717.8	725.2	729.4
-70°	479.0	498.8	518.0	536.0	553.3	566.9	577.6	586.8	594.5	596.0	595.3
-72.5°	396.9	416.0	434.3	451.6	466.8	476.9	483.5	489.0	493.2	479.8	460.5
-75°	322.3	340.3	357.2	372.8	387.2	394.8	399.3	403.0	405.8	382.4	351.4
-77.5°	256.9	272.0	284.0	295.9	307.6	312.0	314.0	315.6	316.7	293.3	264.5
-80°	184.6	196.2	205.8	215.0	223.7	225.9	225.9	224.6	222.2	203.3	181.9
-82.5°	117.3	122.8	127.6	132.5	137.2	140.4	142.9	144.7	145.8	132.0	116.5
-85°	57.7	59.0	59.7	60.1	60.1	62.0	63.8	65.4	66.9	60.6	53.7
-87.5°	13.1	12.7	12.3	11.8	11.2	11.0	10.8	10.5	10.2	9.5	8.7
-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: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-WR-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°	7.9	7.1	6.2	5.3	6.2	7.1	7.9	8.7	9.5	10.2	10.5
85°	46.4	38.8	38.1	37.3	38.1	38.8	46.4	53.7	60.6	66.9	65.4
82.5°	100.2	83.2	80.7	78.1	80.7	83.2	100.2	116.5	132.0	145.8	144.7
80°	159.6	136.5	132.0	127.7	132.0	136.5	159.6	181.9	203.3	222.2	224.6
77.5°	234.1	202.5	193.3	184.5	193.3	202.5	234.1	264.5	293.3	316.7	315.6
75°	319.3	286.1	274.8	264.3	274.8	286.1	319.3	351.4	382.4	405.8	403.0
72.5°	441.0	420.7	400.3	377.9	400.3	420.7	441.0	460.5	479.8	493.2	489.0
70°	594.7	593.2	588.1	580.1	588.1	593.2	594.7	595.3	596.0	594.5	586.8
67.5°	731.2	730.6	732.4	732.7	732.4	730.6	731.2	729.4	725.2	717.8	706.6
65°	887.1	888.8	892.5	894.1	892.5	888.8	887.1	882.3	874.3	865.1	852.9
62.5°	1095.8	1104.8	1109.3	1108.8	1109.3	1104.8	1095.8	1082.4	1064.9	1044.4	1022.7
60°	1294.2	1303.6	1309.6	1311.1	1309.6	1303.6	1294.2	1279.9	1260.7	1235.0	1204.1
57.5°	1520.5	1535.9	1544.1	1545.2	1544.1	1535.9	1520.5	1499.2	1472.2	1439.3	1400.2
55°	1798.8	1819.2	1828.4	1827.3	1828.4	1819.2	1798.8	1769.6	1731.4	1683.4	1628.7
52.5°	2125.5	2150.4	2169.1	2180.4	2169.1	2150.4	2125.5	2089.2	2041.2	1979.6	1905.1
50°	2550.9	2586.6	2609.3	2618.6	2609.3	2586.6	2550.9	2498.9	2429.6	2343.9	2244.8
47.5°	3083.2	3130.4	3165.4	3189.8	3165.4	3130.4	3083.2	3013.5	2917.0	2796.7	2658.2
45°	3776.4	3848.5	3897.4	3926.1	3897.4	3848.5	3776.4	3673.5	3534.2	3361.2	3164.8
42.5°	4704.0	4815.9	4884.4	4910.7	4884.4	4815.9	4704.0	4547.2	4346.5	4098.1	3837.6
40°	5780.4	5914.8	6003.0	6063.9	6003.0	5914.8	5780.4	5588.7	5346.0	5049.9	4726.9
37.5°	6901.6	7042.7	7128.5	7186.9	7128.5	7042.7	6901.6	6692.9	6421.0	6096.8	5715.1
35°	8045.4	8193.1	8273.7	8318.8	8273.7	8193.1	8045.4	7810.9	7499.9	7134.2	6719.0
32.5°	9219.6	9382.4	9470.1	9560.6	9470.1	9382.4	9219.6	8947.0	8589.4	8178.8	7723.4
30°	10446.1	10632.9	10724.6	10768.8	10724.6	10632.9	10446.1	10120.6	9708.6	9251.5	8736.9
27.5°	11722.3	11955.2	12069.9	12145.5	12069.9	11955.2	11722.3	11342.2	10871.3	10354.6	9764.2
25°	13050.2	13338.8	13470.2	13587.8	13470.2	13338.8	13050.2	12606.1	12080.3	11487.3	10811.1
22.5°	14428.0	14787.3	14939.5	15023.1	14939.5	14787.3	14428.0	13906.6	13314.7	12639.5	11883.2
20°	15841.7	16271.1	16482.6	16591.4	16482.6	16271.1	15841.7	15249.4	14564.3	13784.8	12942.2
17.5°	17287.3	17821.5	18095.1	18157.9	18095.1	17821.5	17287.3	16619.8	15825.0	14938.1	13974.9
15°	18706.5	19284.3	19607.7	19726.2	19607.7	19284.3	18706.5	17953.8	17066.6	16059.2	14974.9
12.5°	20050.5	20649.3	21035.9	21104.7	21035.9	20649.3	20050.5	19235.2	18277.2	17114.1	15913.8
10°	21269.4	21889.8	22316.7	22414.0	22316.7	21889.8	21269.4	20369.4	19273.9	18040.0	16717.6
7.5°	22288.5	22969.2	23440.7	23522.8	23440.7	22969.2	22288.5	21328.7	20116.7	18787.1	17375.9
5°	23034.0	23842.2	24229.3	24326.4	24229.3	23842.2	23034.0	21986.3	20730.1	19332.2	17856.8
2.5°	23443.0	24265.7	24803.7	24741.6	24803.7	24265.7	23443.0	22397.2	21106.2	19656.4	18142.2
0°	23489.1	24349.5	24864.0	25101.7	24864.0	24349.5	23489.1	22484.9	21198.7	19768.8	18195.2
-2.5°	23443.0	24265.7	24803.7	24741.6	24803.7	24265.7	23443.0	22397.2	21106.2	19656.4	18142.2
-5°	23034.0	23842.2	24229.3	24326.4	24229.3	23842.2	23034.0	21986.3	20730.1	19332.2	17856.8
-7.5°	22288.5	22969.2	23440.7	23522.8	23440.7	22969.2	22288.5	21328.7	20116.7	18787.1	17375.9
-10°	21269.4	21889.8	22316.7	22414.0	22316.7	21889.8	21269.4	20369.4	19273.9	18040.0	16717.6
-12.5°	20050.5	20649.3	21035.9	21104.7	21035.9	20649.3	20050.5	19235.2	18277.2	17114.1	15913.8
-15°	18706.5	19284.3	19607.7	19726.2	19607.7	19284.3	18706.5	17953.8	17066.6	16059.2	14974.9
-17.5°	17287.3	17821.5	18095.1	18157.9	18095.1	17821.5	17287.3	16619.8	15825.0	14938.1	13974.9
-20°	15841.7	16271.1	16482.6	16591.4	16482.6	16271.1	15841.7	15249.4	14564.3	13784.8	12942.2



REPORT NUMBER: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14428.0	14787.3	14939.5	15023.1	14939.5	14787.3	14428.0	13906.6	13314.7	12639.5	11883.2
-25°	13050.2	13338.8	13470.2	13587.8	13470.2	13338.8	13050.2	12606.1	12080.3	11487.3	10811.1
-27.5°	11722.3	11955.2	12069.9	12145.5	12069.9	11955.2	11722.3	11342.2	10871.3	10354.6	9764.2
-30°	10446.1	10632.9	10724.6	10768.8	10724.6	10632.9	10446.1	10120.6	9708.6	9251.5	8736.9
-32.5°	9219.6	9382.4	9470.1	9560.6	9470.1	9382.4	9219.6	8947.0	8589.4	8178.8	7723.4
-35°	8045.4	8193.1	8273.7	8318.8	8273.7	8193.1	8045.4	7810.9	7499.9	7134.2	6719.0
-37.5°	6901.6	7042.7	7128.5	7186.9	7128.5	7042.7	6901.6	6692.9	6421.0	6096.8	5715.1
-40°	5780.4	5914.8	6003.0	6063.9	6003.0	5914.8	5780.4	5588.7	5346.0	5049.9	4726.9
-42.5°	4704.0	4815.9	4884.4	4910.7	4884.4	4815.9	4704.0	4547.2	4346.5	4098.1	3837.6
-45°	3776.4	3848.5	3897.4	3926.1	3897.4	3848.5	3776.4	3673.5	3534.2	3361.2	3164.8
-47.5°	3083.2	3130.4	3165.4	3189.8	3165.4	3130.4	3083.2	3013.5	2917.0	2796.7	2658.2
-50°	2550.9	2586.6	2609.3	2618.6	2609.3	2586.6	2550.9	2498.9	2429.6	2343.9	2244.8
-52.5°	2125.5	2150.4	2169.1	2180.4	2169.1	2150.4	2125.5	2089.2	2041.2	1979.6	1905.1
-55°	1798.8	1819.2	1828.4	1827.3	1828.4	1819.2	1798.8	1769.6	1731.4	1683.4	1628.7
-57.5°	1520.5	1535.9	1544.1	1545.2	1544.1	1535.9	1520.5	1499.2	1472.2	1439.3	1400.2
-60°	1294.2	1303.6	1309.6	1311.1	1309.6	1303.6	1294.2	1279.9	1260.7	1235.0	1204.1
-62.5°	1095.8	1104.8	1109.3	1108.8	1109.3	1104.8	1095.8	1082.4	1064.9	1044.4	1022.7
-65°	887.1	888.8	892.5	894.1	892.5	888.8	887.1	882.3	874.3	865.1	852.9
-67.5°	731.2	730.6	732.4	732.7	732.4	730.6	731.2	729.4	725.2	717.8	706.6
-70°	594.7	593.2	588.1	580.1	588.1	593.2	594.7	595.3	596.0	594.5	586.8
-72.5°	441.0	420.7	400.3	377.9	400.3	420.7	441.0	460.5	479.8	493.2	489.0
-75°	319.3	286.1	274.8	264.3	274.8	286.1	319.3	351.4	382.4	405.8	403.0
-77.5°	234.1	202.5	193.3	184.5	193.3	202.5	234.1	264.5	293.3	316.7	315.6
-80°	159.6	136.5	132.0	127.7	132.0	136.5	159.6	181.9	203.3	222.2	224.6
-82.5°	100.2	83.2	80.7	78.1	80.7	83.2	100.2	116.5	132.0	145.8	144.7
-85°	46.4	38.8	38.1	37.3	38.1	38.8	46.4	53.7	60.6	66.9	65.4
-87.5°	7.9	7.1	6.2	5.3	6.2	7.1	7.9	8.7	9.5	10.2	10.5
-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: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-WR-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°	10.8	11.0	11.2	11.8	12.3	12.7	13.1	12.7	12.3	11.8	11.3
85°	63.8	62.0	60.1	60.1	59.7	59.0	57.7	51.7	46.0	40.7	36.0
82.5°	142.9	140.4	137.2	132.5	127.6	122.8	117.3	104.9	92.9	81.4	71.9
80°	225.9	225.9	223.7	215.0	205.8	196.2	184.6	164.9	145.8	128.2	115.7
77.5°	314.0	312.0	307.6	295.9	284.0	272.0	256.9	231.3	205.8	181.3	165.4
75°	399.3	394.8	387.2	372.8	357.2	340.3	322.3	300.2	274.9	246.2	225.3
72.5°	483.5	476.9	466.8	451.6	434.3	416.0	396.9	375.3	350.5	322.3	301.1
70°	577.6	566.9	553.3	536.0	518.0	498.8	479.0	456.9	431.1	402.9	380.6
67.5°	692.6	675.7	656.5	636.0	616.3	593.5	570.1	544.9	518.8	489.3	461.2
65°	835.7	813.0	787.4	765.2	738.8	707.5	672.4	641.7	611.5	578.2	541.4
62.5°	1000.5	978.4	943.0	906.5	871.2	835.5	792.9	750.0	708.7	667.0	624.0
60°	1168.9	1129.2	1090.8	1049.1	1004.0	955.6	908.9	859.9	808.8	758.6	707.2
57.5°	1354.9	1305.8	1255.5	1201.7	1144.4	1089.4	1032.6	971.7	913.6	852.9	791.4
55°	1568.1	1509.0	1444.7	1374.3	1301.6	1236.2	1166.8	1097.0	1026.5	949.9	882.1
52.5°	1821.1	1747.3	1664.9	1573.6	1488.3	1401.7	1311.4	1232.3	1146.1	1061.1	976.5
50°	2143.5	2038.9	1925.5	1810.4	1704.6	1590.2	1484.1	1380.0	1275.7	1177.3	1078.9
47.5°	2529.6	2391.3	2236.2	2093.2	1953.1	1811.5	1680.8	1543.1	1423.4	1299.6	1190.2
45°	2999.2	2814.8	2615.6	2434.0	2237.0	2066.0	1899.5	1741.1	1583.8	1443.9	1304.4
42.5°	3599.3	3330.7	3077.8	2837.0	2588.7	2363.8	2142.0	1954.3	1769.8	1596.5	1439.2
40°	4371.3	3980.0	3655.2	3309.5	3009.0	2707.8	2442.6	2182.5	1972.8	1767.6	1575.7
37.5°	5282.6	4824.5	4360.9	3887.8	3496.5	3118.1	2776.7	2470.5	2185.2	1951.9	1730.4
35°	6246.3	5729.0	5173.6	4619.4	4048.0	3589.7	3156.0	2778.7	2445.8	2144.8	1889.6
32.5°	7207.9	6639.9	6028.4	5396.2	4754.4	4112.8	3592.2	3124.9	2708.4	2365.7	2063.7
30°	8169.1	7545.7	6875.9	6185.4	5481.2	4761.1	4050.8	3504.9	3016.0	2586.2	2238.7
27.5°	9133.4	8457.8	7724.8	6965.1	6206.0	5420.8	4633.6	3897.0	3325.9	2840.2	2430.9
25°	10098.7	9343.3	8556.3	7729.4	6901.7	6066.9	5197.3	4376.1	3673.5	3094.3	2608.0
22.5°	11066.9	10218.7	9341.4	8453.1	7563.2	6671.2	5760.9	4845.4	4002.9	3352.9	2815.3
20°	12023.6	11071.0	10110.6	9147.8	8188.4	7234.5	6283.0	5305.6	4390.0	3620.5	3008.7
17.5°	12945.1	11886.9	10844.3	9800.5	8774.3	7763.0	6750.9	5730.3	4735.7	3858.8	3179.6
15°	13822.8	12668.1	11535.7	10414.9	9307.6	8221.4	7165.4	6103.2	5050.1	4107.3	3366.9
12.5°	14650.9	13390.6	12157.1	10940.6	9764.0	8625.6	7527.8	6430.6	5346.3	4349.4	3533.8
10°	15358.1	14006.1	12678.4	11395.5	10159.3	8969.4	7826.7	6707.5	5600.1	4550.8	3670.4
7.5°	15933.2	14500.9	13100.9	11755.0	10469.2	9243.1	8057.7	6920.0	5801.1	4708.2	3775.7
5°	16353.5	14864.9	13414.0	12021.4	10683.9	9442.3	8220.6	7065.3	5946.8	4820.2	3849.4
2.5°	16614.0	15085.1	13600.3	12183.3	10808.9	9562.0	8315.1	7153.2	6029.9	4881.8	3895.7
0°	16662.3	15188.1	13658.8	12200.5	10880.5	9597.9	8340.0	7185.1	6051.5	4894.7	3910.1
-2.5°	16614.0	15085.1	13600.3	12183.3	10808.9	9562.0	8315.1	7153.2	6029.9	4881.8	3895.7
-5°	16353.5	14864.9	13414.0	12021.4	10683.9	9442.3	8220.6	7065.3	5946.8	4820.2	3849.4
-7.5°	15933.2	14500.9	13100.9	11755.0	10469.2	9243.1	8057.7	6920.0	5801.1	4708.2	3775.7
-10°	15358.1	14006.1	12678.4	11395.5	10159.3	8969.4	7826.7	6707.5	5600.1	4550.8	3670.4
-12.5°	14650.9	13390.6	12157.1	10940.6	9764.0	8625.6	7527.8	6430.6	5346.3	4349.4	3533.8
-15°	13822.8	12668.1	11535.7	10414.9	9307.6	8221.4	7165.4	6103.2	5050.1	4107.3	3366.9
-17.5°	12945.1	11886.9	10844.3	9800.5	8774.3	7763.0	6750.9	5730.3	4735.7	3858.8	3179.6
-20°	12023.6	11071.0	10110.6	9147.8	8188.4	7234.5	6283.0	5305.6	4390.0	3620.5	3008.7



REPORT NUMBER: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11066.9	10218.7	9341.4	8453.1	7563.2	6671.2	5760.9	4845.4	4002.9	3352.9	2815.3
-25°	10098.7	9343.3	8556.3	7729.4	6901.7	6066.9	5197.3	4376.1	3673.5	3094.3	2608.0
-27.5°	9133.4	8457.8	7724.8	6965.1	6206.0	5420.8	4633.6	3897.0	3325.9	2840.2	2430.9
-30°	8169.1	7545.7	6875.9	6185.4	5481.2	4761.1	4050.8	3504.9	3016.0	2586.2	2238.7
-32.5°	7207.9	6639.9	6028.4	5396.2	4754.4	4112.8	3592.2	3124.9	2708.4	2365.7	2063.7
-35°	6246.3	5729.0	5173.6	4619.4	4048.0	3589.7	3156.0	2778.7	2445.8	2144.8	1889.6
-37.5°	5282.6	4824.5	4360.9	3887.8	3496.5	3118.1	2776.7	2470.5	2185.2	1951.9	1730.4
-40°	4371.3	3980.0	3655.2	3309.5	3009.0	2707.8	2442.6	2182.5	1972.8	1767.6	1575.7
-42.5°	3599.3	3330.7	3077.8	2837.0	2588.7	2363.8	2142.0	1954.3	1769.8	1596.5	1439.2
-45°	2999.2	2814.8	2615.6	2434.0	2237.0	2066.0	1899.5	1741.1	1583.8	1443.9	1304.4
-47.5°	2529.6	2391.3	2236.2	2093.2	1953.1	1811.5	1680.8	1543.1	1423.4	1299.6	1190.2
-50°	2143.5	2038.9	1925.5	1810.4	1704.6	1590.2	1484.1	1380.0	1275.7	1177.3	1078.9
-52.5°	1821.1	1747.3	1664.9	1573.6	1488.3	1401.7	1311.4	1232.3	1146.1	1061.1	976.5
-55°	1568.1	1509.0	1444.7	1374.3	1301.6	1236.2	1166.8	1097.0	1026.5	949.9	882.1
-57.5°	1354.9	1305.8	1255.5	1201.7	1144.4	1089.4	1032.6	971.7	913.6	852.9	791.4
-60°	1168.9	1129.2	1090.8	1049.1	1004.0	955.6	908.9	859.9	808.8	758.6	707.2
-62.5°	1000.5	978.4	943.0	906.5	871.2	835.5	792.9	750.0	708.7	667.0	624.0
-65°	835.7	813.0	787.4	765.2	738.8	707.5	672.4	641.7	611.5	578.2	541.4
-67.5°	692.6	675.7	656.5	636.0	616.3	593.5	570.1	544.9	518.8	489.3	461.2
-70°	577.6	566.9	553.3	536.0	518.0	498.8	479.0	456.9	431.1	402.9	380.6
-72.5°	483.5	476.9	466.8	451.6	434.3	416.0	396.9	375.3	350.5	322.3	301.1
-75°	399.3	394.8	387.2	372.8	357.2	340.3	322.3	300.2	274.9	246.2	225.3
-77.5°	314.0	312.0	307.6	295.9	284.0	272.0	256.9	231.3	205.8	181.3	165.4
-80°	225.9	225.9	223.7	215.0	205.8	196.2	184.6	164.9	145.8	128.2	115.7
-82.5°	142.9	140.4	137.2	132.5	127.6	122.8	117.3	104.9	92.9	81.4	71.9
-85°	63.8	62.0	60.1	60.1	59.7	59.0	57.7	51.7	46.0	40.7	36.0
-87.5°	10.8	11.0	11.2	11.8	12.3	12.7	13.1	12.7	12.3	11.8	11.3
-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: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-WR-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°	12.6	13.7	14.6	15.3	15.7	16.0	16.0	15.8	15.1	14.3	13.2
85°	37.7	38.4	38.2	37.1	34.6	32.0	32.0	31.6	30.3	28.5	26.4
82.5°	74.7	77.1	78.3	77.8	73.0	67.9	62.5	56.8	50.6	43.7	39.6
80°	120.0	122.7	123.6	121.5	112.9	103.7	95.7	87.5	79.4	70.3	60.1
77.5°	168.9	170.9	171.4	168.3	157.4	145.6	132.9	119.6	108.3	96.9	84.2
75°	221.5	222.2	221.7	216.0	202.6	187.4	172.0	155.5	138.9	123.5	108.3
72.5°	289.8	280.5	273.5	264.3	249.6	232.4	212.8	190.8	169.9	150.2	131.9
70°	361.2	341.5	326.2	312.1	295.8	277.7	256.0	228.4	200.3	176.4	154.2
67.5°	435.8	411.3	386.7	361.1	341.0	320.6	298.6	265.4	231.8	202.1	176.0
65°	508.3	478.2	450.4	417.0	387.8	362.9	338.1	300.5	262.1	227.5	197.3
62.5°	581.4	541.0	506.1	470.1	434.9	404.0	375.9	333.1	291.2	251.9	217.5
60°	656.6	609.2	561.7	520.1	480.3	442.9	407.9	364.8	319.3	275.1	236.7
57.5°	734.4	677.6	623.3	571.3	525.0	481.9	438.7	394.0	346.4	298.6	254.0
55°	813.0	748.7	685.0	625.5	570.6	521.5	470.6	421.8	372.5	321.6	267.8
52.5°	897.3	821.9	750.1	680.6	617.8	560.0	504.7	449.2	397.3	343.6	282.7
50°	986.6	899.6	817.5	739.8	664.6	600.4	537.9	479.0	421.5	364.9	296.8
47.5°	1080.5	981.9	888.5	799.4	717.8	639.4	572.7	508.4	445.1	386.0	309.6
45°	1183.8	1066.6	961.4	863.6	768.8	683.7	607.1	536.8	470.6	401.0	321.1
42.5°	1287.7	1158.0	1037.1	925.8	824.4	728.3	640.0	566.2	495.1	414.8	332.4
40°	1407.4	1251.3	1113.1	992.6	879.2	771.0	677.9	594.7	517.9	428.5	343.4
37.5°	1524.2	1351.9	1196.2	1056.3	933.3	819.2	714.5	621.7	535.9	443.4	353.3
35°	1661.8	1455.7	1275.3	1123.7	989.0	865.0	748.9	649.3	555.7	457.7	362.1
32.5°	1795.4	1561.4	1364.3	1192.8	1041.6	908.4	785.5	677.5	575.8	471.4	369.9
30°	1942.2	1676.3	1448.3	1257.4	1093.9	953.1	822.3	704.1	596.2	484.3	377.4
27.5°	2083.3	1782.2	1530.0	1325.9	1149.1	994.9	856.3	729.0	616.5	497.7	386.7
25°	2223.1	1896.7	1619.9	1391.1	1199.8	1032.9	887.6	752.4	636.5	512.7	395.1
22.5°	2374.8	2007.4	1701.0	1449.8	1245.6	1067.6	917.5	777.8	654.8	527.1	402.5
20°	2514.3	2107.4	1773.4	1505.9	1291.1	1105.0	945.5	800.6	671.3	540.6	408.7
17.5°	2645.9	2209.1	1854.3	1566.6	1334.2	1138.0	970.0	820.7	685.8	553.0	413.7
15°	2784.0	2310.1	1927.0	1619.1	1371.5	1166.5	991.2	837.9	698.4	564.2	418.5
12.5°	2901.9	2395.4	1988.1	1663.3	1402.8	1190.4	1008.8	852.2	708.8	573.7	422.7
10°	2999.0	2464.8	2037.4	1699.0	1428.0	1209.5	1022.8	863.8	717.5	581.0	425.1
7.5°	3074.7	2517.8	2074.7	1726.1	1447.4	1224.4	1034.5	872.9	724.3	586.2	425.6
5°	3127.5	2554.7	2102.0	1745.0	1462.0	1235.2	1042.8	878.9	728.8	589.0	424.4
2.5°	3155.3	2575.6	2118.8	1755.1	1470.4	1241.0	1047.5	881.8	731.1	589.4	421.4
0°	3159.7	2579.5	2123.6	1756.4	1472.5	1241.9	1048.5	881.7	730.9	587.2	416.9
-2.5°	3155.3	2575.6	2118.8	1755.1	1470.4	1241.0	1047.5	881.8	731.1	589.4	421.4
-5°	3127.5	2554.7	2102.0	1745.0	1462.0	1235.2	1042.8	878.9	728.8	589.0	424.4
-7.5°	3074.7	2517.8	2074.7	1726.1	1447.4	1224.4	1034.5	872.9	724.3	586.2	425.6
-10°	2999.0	2464.8	2037.4	1699.0	1428.0	1209.5	1022.8	863.8	717.5	581.0	425.1
-12.5°	2901.9	2395.4	1988.1	1663.3	1402.8	1190.4	1008.8	852.2	708.8	573.7	422.7
-15°	2784.0	2310.1	1927.0	1619.1	1371.5	1166.5	991.2	837.9	698.4	564.2	418.5
-17.5°	2645.9	2209.1	1854.3	1566.6	1334.2	1138.0	970.0	820.7	685.8	553.0	413.7
-20°	2514.3	2107.4	1773.4	1505.9	1291.1	1105.0	945.5	800.6	671.3	540.6	408.7

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2374.8	2007.4	1701.0	1449.8	1245.6	1067.6	917.5	777.8	654.8	527.1	402.5
-25°	2223.1	1896.7	1619.9	1391.1	1199.8	1032.9	887.6	752.4	636.5	512.7	395.1
-27.5°	2083.3	1782.2	1530.0	1325.9	1149.1	994.9	856.3	729.0	616.5	497.7	386.7
-30°	1942.2	1676.3	1448.3	1257.4	1093.9	953.1	822.3	704.1	596.2	484.3	377.4
-32.5°	1795.4	1561.4	1364.3	1192.8	1041.6	908.4	785.5	677.5	575.8	471.4	369.9
-35°	1661.8	1455.7	1275.3	1123.7	989.0	865.0	748.9	649.3	555.7	457.7	362.1
-37.5°	1524.2	1351.9	1196.2	1056.3	933.3	819.2	714.5	621.7	535.9	443.4	353.3
-40°	1407.4	1251.3	1113.1	992.6	879.2	771.0	677.9	594.7	517.9	428.5	343.4
-42.5°	1287.7	1158.0	1037.1	925.8	824.4	728.3	640.0	566.2	495.1	414.8	332.4
-45°	1183.8	1066.6	961.4	863.6	768.8	683.7	607.1	536.8	470.6	401.0	321.1
-47.5°	1080.5	981.9	888.5	799.4	717.8	639.4	572.7	508.4	445.1	386.0	309.6
-50°	986.6	899.6	817.5	739.8	664.6	600.4	537.9	479.0	421.5	364.9	296.8
-52.5°	897.3	821.9	750.1	680.6	617.8	560.0	504.7	449.2	397.3	343.6	282.7
-55°	813.0	748.7	685.0	625.5	570.6	521.5	470.6	421.8	372.5	321.6	267.8
-57.5°	734.4	677.6	623.3	571.3	525.0	481.9	438.7	394.0	346.4	298.6	254.0
-60°	656.6	609.2	561.7	520.1	480.3	442.9	407.9	364.8	319.3	275.1	236.7
-62.5°	581.4	541.0	506.1	470.1	434.9	404.0	375.9	333.1	291.2	251.9	217.5
-65°	508.3	478.2	450.4	417.0	387.8	362.9	338.1	300.5	262.1	227.5	197.3
-67.5°	435.8	411.3	386.7	361.1	341.0	320.6	298.6	265.4	231.8	202.1	176.0
-70°	361.2	341.5	326.2	312.1	295.8	277.7	256.0	228.4	200.3	176.4	154.2
-72.5°	289.8	280.5	273.5	264.3	249.6	232.4	212.8	190.8	169.9	150.2	131.9
-75°	221.5	222.2	221.7	216.0	202.6	187.4	172.0	155.5	138.9	123.5	108.3
-77.5°	168.9	170.9	171.4	168.3	157.4	145.6	132.9	119.6	108.3	96.9	84.2
-80°	120.0	122.7	123.6	121.5	112.9	103.7	95.7	87.5	79.4	70.3	60.1
-82.5°	74.7	77.1	78.3	77.8	73.0	67.9	62.5	56.8	50.6	43.7	39.6
-85°	37.7	38.4	38.2	37.1	34.6	32.0	32.0	31.6	30.3	28.5	26.4
-87.5°	12.6	13.7	14.6	15.3	15.7	16.0	16.0	15.8	15.1	14.3	13.2
-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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REPORT NUMBER: P627493 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-722-U-WR-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°	11.9	9.3	6.9	4.8	2.9	1.3	0.0
85°	23.8	18.6	13.8	9.6	5.9	2.5	0.0
82.5°	35.6	27.8	20.7	14.3	8.8	3.8	0.0
80°	48.3	36.9	27.5	19.0	11.6	5.1	0.0
77.5°	69.0	47.9	34.1	23.7	14.5	6.3	0.0
75°	89.1	62.7	41.3	28.3	17.3	7.5	0.0
72.5°	108.6	77.0	51.2	32.7	20.0	8.7	0.0
70°	127.0	90.7	60.7	37.4	22.7	9.9	0.0
67.5°	143.0	103.8	69.9	43.2	25.2	11.1	0.0
65°	158.2	115.9	78.5	48.8	27.8	12.2	0.0
62.5°	172.6	126.9	86.7	54.1	30.2	13.3	0.0
60°	186.1	137.2	94.3	59.0	32.5	14.3	0.0
57.5°	198.3	146.9	101.4	63.7	35.3	15.3	0.0
55°	209.5	155.7	108.0	67.9	38.0	16.3	0.0
52.5°	219.8	163.8	114.1	71.8	40.6	17.2	0.0
50°	229.1	171.3	119.6	75.4	43.1	18.1	0.0
47.5°	237.8	178.1	124.5	78.6	45.5	19.0	0.0
45°	247.5	184.0	128.9	81.8	47.8	19.8	0.0
42.5°	256.2	189.2	132.6	84.6	49.9	20.5	0.0
40°	263.8	193.6	136.0	87.7	51.9	21.2	0.0
37.5°	270.3	197.2	139.0	90.9	53.7	21.8	0.0
35°	275.7	201.2	141.4	93.8	55.5	22.4	0.0
32.5°	280.7	205.0	143.3	96.5	57.0	22.9	0.0
30°	286.2	208.0	144.6	98.8	58.5	23.4	0.0
27.5°	290.7	210.1	147.7	101.0	59.8	23.8	0.0
25°	294.2	211.4	150.7	102.8	60.9	24.2	0.0
22.5°	296.7	213.0	153.3	104.4	61.9	24.5	0.0
20°	298.1	216.9	155.6	105.7	62.7	24.7	0.0
17.5°	301.5	220.1	157.5	106.7	63.4	24.9	0.0
15°	305.5	222.6	159.0	107.4	63.9	25.1	0.0
12.5°	308.4	224.4	160.1	107.9	64.3	25.2	0.0
10°	310.2	225.5	160.8	108.1	64.5	25.2	0.0
7.5°	310.9	226.0	161.1	108.1	64.6	25.2	0.0
5°	310.6	225.8	161.1	107.8	64.5	25.1	0.0
2.5°	309.3	225.0	160.6	107.2	64.3	25.0	0.0
0°	306.9	223.5	159.7	106.4	63.9	24.8	0.0
-2.5°	309.3	225.0	160.6	107.2	64.3	25.0	0.0
-5°	310.6	225.8	161.1	107.8	64.5	25.1	0.0
-7.5°	310.9	226.0	161.1	108.1	64.6	25.2	0.0
-10°	310.2	225.5	160.8	108.1	64.5	25.2	0.0
-12.5°	308.4	224.4	160.1	107.9	64.3	25.2	0.0
-15°	305.5	222.6	159.0	107.4	63.9	25.1	0.0
-17.5°	301.5	220.1	157.5	106.7	63.4	24.9	0.0
-20°	298.1	216.9	155.6	105.7	62.7	24.7	0.0

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CATALOG NUMBER: GFLD-SA4E-722-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	296.7	213.0	153.3	104.4	61.9	24.5	0.0
-25°	294.2	211.4	150.7	102.8	60.9	24.2	0.0
-27.5°	290.7	210.1	147.7	101.0	59.8	23.8	0.0
-30°	286.2	208.0	144.6	98.8	58.5	23.4	0.0
-32.5°	280.7	205.0	143.3	96.5	57.0	22.9	0.0
-35°	275.7	201.2	141.4	93.8	55.5	22.4	0.0
-37.5°	270.3	197.2	139.0	90.9	53.7	21.8	0.0
-40°	263.8	193.6	136.0	87.7	51.9	21.2	0.0
-42.5°	256.2	189.2	132.6	84.6	49.9	20.5	0.0
-45°	247.5	184.0	128.9	81.8	47.8	19.8	0.0
-47.5°	237.8	178.1	124.5	78.6	45.5	19.0	0.0
-50°	229.1	171.3	119.6	75.4	43.1	18.1	0.0
-52.5°	219.8	163.8	114.1	71.8	40.6	17.2	0.0
-55°	209.5	155.7	108.0	67.9	38.0	16.3	0.0
-57.5°	198.3	146.9	101.4	63.7	35.3	15.3	0.0
-60°	186.1	137.2	94.3	59.0	32.5	14.3	0.0
-62.5°	172.6	126.9	86.7	54.1	30.2	13.3	0.0
-65°	158.2	115.9	78.5	48.8	27.8	12.2	0.0
-67.5°	143.0	103.8	69.9	43.2	25.2	11.1	0.0
-70°	127.0	90.7	60.7	37.4	22.7	9.9	0.0
-72.5°	108.6	77.0	51.2	32.7	20.0	8.7	0.0
-75°	89.1	62.7	41.3	28.3	17.3	7.5	0.0
-77.5°	69.0	47.9	34.1	23.7	14.5	6.3	0.0
-80°	48.3	36.9	27.5	19.0	11.6	5.1	0.0
-82.5°	35.6	27.8	20.7	14.3	8.8	3.8	0.0
-85°	23.8	18.6	13.8	9.6	5.9	2.5	0.0
-87.5°	11.9	9.3	6.9	4.8	2.9	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)