

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: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1C-722-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1C-722-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N9
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

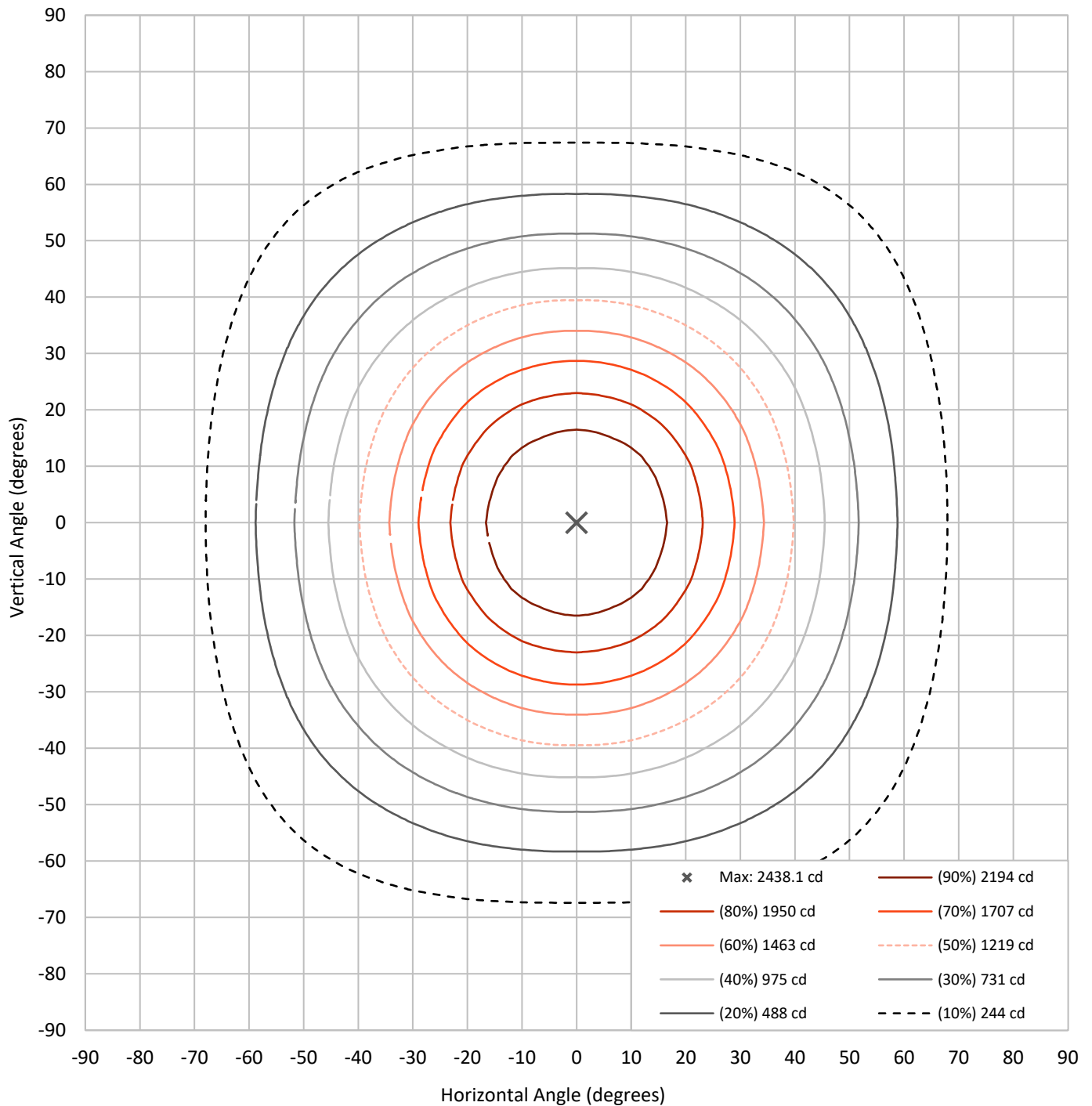
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4406.7 lumens	Max Intensity:	2438.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	101.3 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	2584.5 lumens	Field Lumens:	4201 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	43.5		
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: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





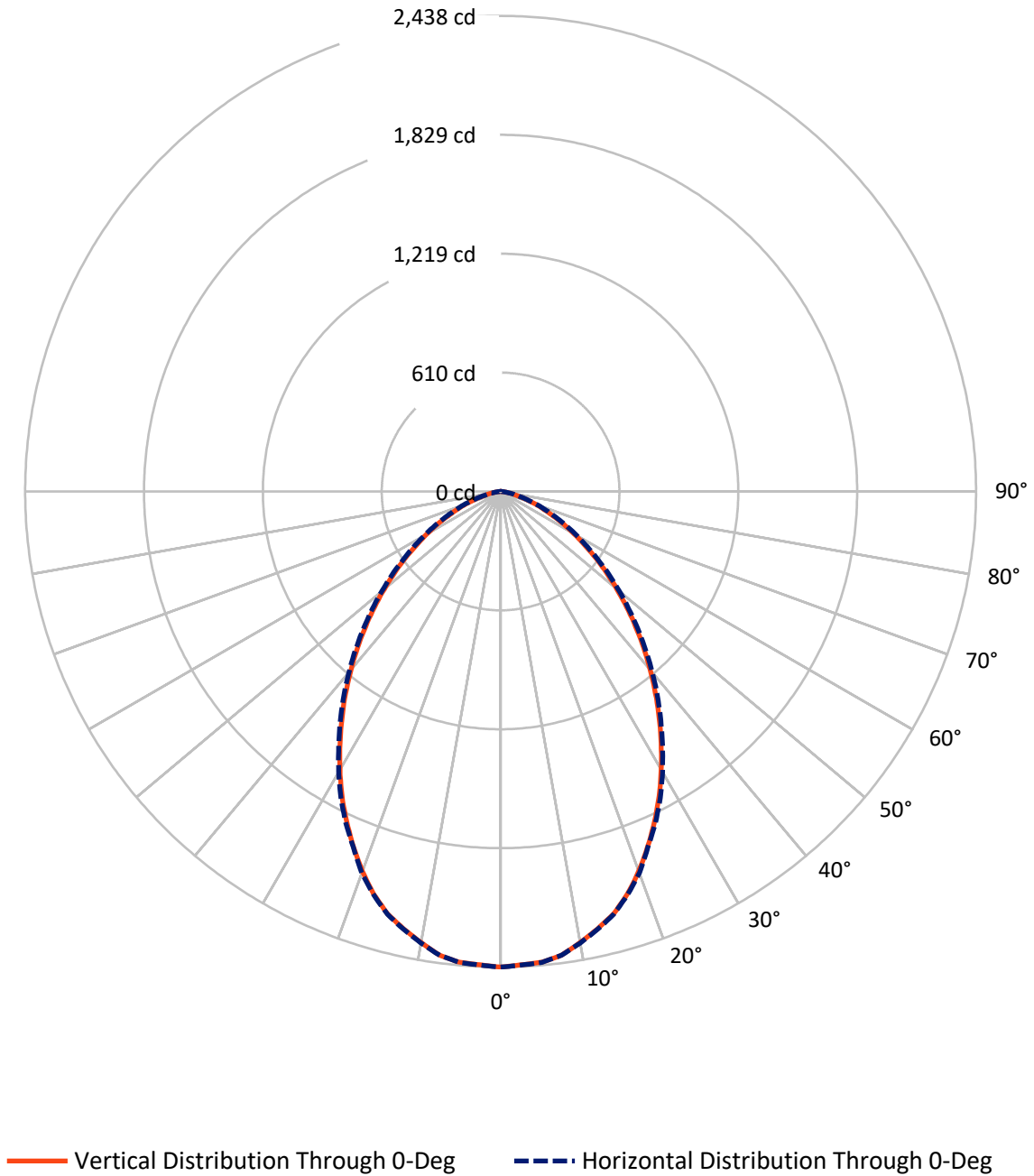
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Lumen Table

90																			
80	0.1	1.8	4.9	8.3	7.9	8.3	4.9	1.8	0.1										
70																			
60	0.8	1.1	2.3	3.9	5.7	7.3	8.6	9.2	9.2	8.6	7.3	5.7	3.9	2.3	1.1	0.8			
50		1.7	3.7	6.6	10.0	13.6	16.6	18.1	18.1	16.6	13.6	10.0	6.6	3.7	1.7				
40	1.4	2.3	5.4	9.9	15.7	21.7	26.8	29.6	29.6	26.8	21.7	15.7	9.9	5.4	2.3	1.4			
30		2.9	7.1	13.6	21.9	30.8	38.3	42.6	42.6	38.3	30.8	21.9	13.6	7.1	2.9				
20	1.9	3.4	8.7	17.1	27.9	39.7	49.9	55.7	55.7	49.9	39.7	27.9	17.1	8.7	3.4	1.9			
10		3.9	10.0	19.7	32.6	46.9	59.4	66.6	66.6	59.4	46.9	32.6	19.7	10.0	3.9				
0	2.0	4.1	10.7	21.2	35.2	50.9	64.6	72.1	72.1	64.6	50.9	35.2	21.2	10.7	4.1	2.0			
-10		4.1	10.7	21.2	35.2	50.9	64.6	72.1	72.1	64.6	50.9	35.2	21.2	10.7	4.1				
-20	1.9	3.9	10.0	19.7	32.6	46.9	59.4	66.6	66.6	59.4	46.9	32.6	19.7	10.0	3.9	1.9			
-30		3.4	8.7	17.1	27.9	39.7	49.9	55.7	55.7	49.9	39.7	27.9	17.1	8.7	3.4				
-40	1.4	2.9	7.1	13.6	21.9	30.8	38.3	42.6	42.6	38.3	30.8	21.9	13.6	7.1	2.9	1.4			
-50		2.3	5.4	9.9	15.7	21.7	26.8	29.6	29.6	26.8	21.7	15.7	9.9	5.4	2.3				
-60	0.8	1.7	3.7	6.6	10.0	13.6	16.6	18.1	18.1	16.6	13.6	10.0	6.6	3.7	1.7	0.8			
-70		1.1	2.3	3.9	5.7	7.3	8.6	9.2	9.2	8.6	7.3	5.7	3.9	2.3	1.1				
-80	0.1	1.8	4.9	8.3	7.9	8.3	4.9	1.8	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

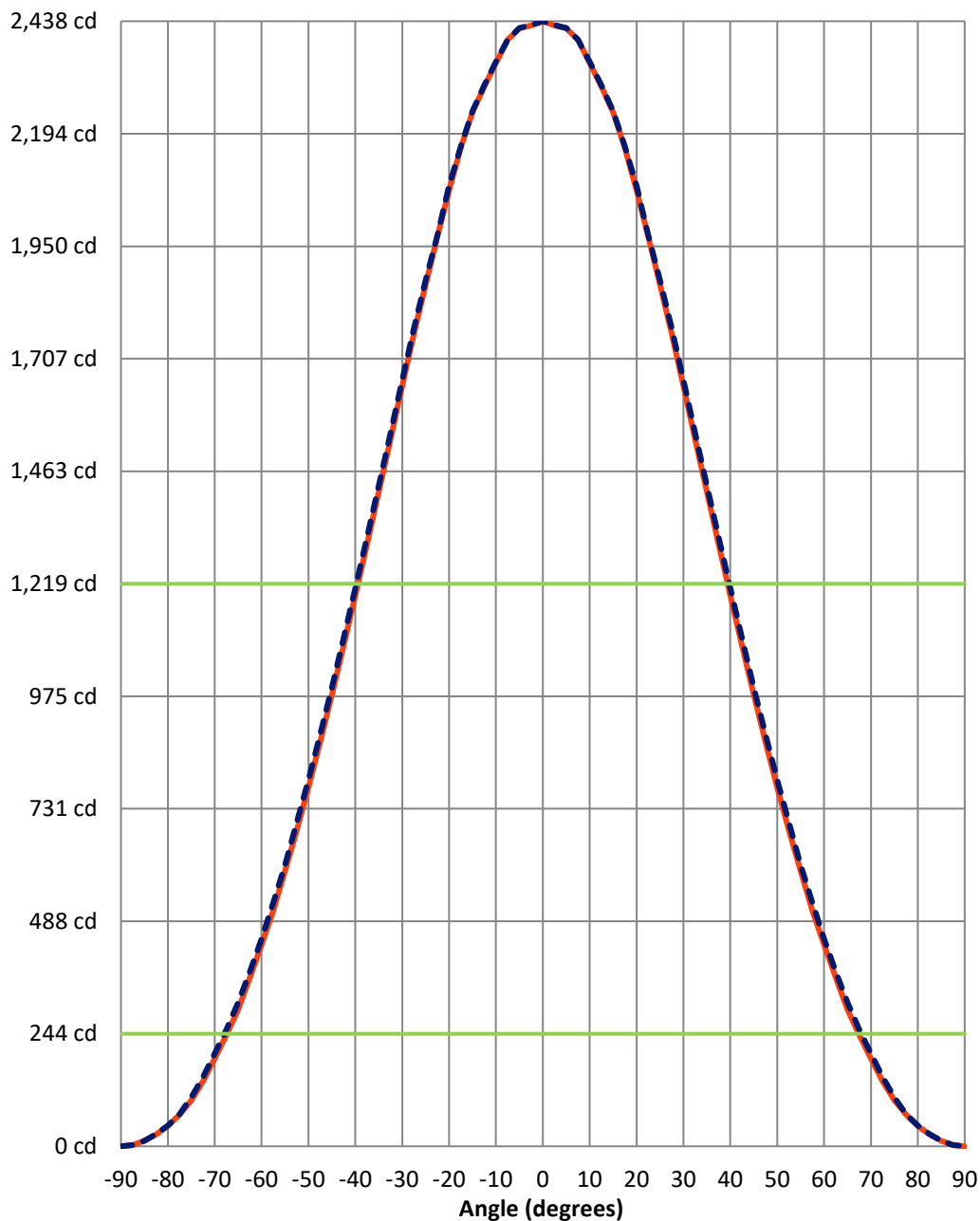
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 2584.5
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 4201
 Efficiency: 95.3%

Spill:
 Lumens: 205.7
 Efficiency: 4.7%

— 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	0.1	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
85°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
82.5°	0.0	0.4	1.0	1.4	1.9	2.4	2.9	3.3	4.2	6.5	8.8
80°	0.0	0.6	1.3	1.9	2.6	3.2	4.3	7.6	10.8	13.9	16.8
77.5°	0.0	0.7	1.6	2.4	3.2	5.0	9.3	13.5	17.4	21.2	25.8
75°	0.0	0.8	1.9	2.9	4.1	8.6	14.2	19.3	24.2	31.0	38.2
72.5°	0.0	1.0	2.2	3.3	6.6	12.1	19.0	25.6	33.3	41.5	50.3
70°	0.0	1.1	2.5	4.0	8.9	15.5	23.7	33.1	42.2	51.9	63.2
67.5°	0.0	1.2	2.8	5.4	11.2	18.7	29.4	40.5	50.9	63.1	76.1
65°	0.0	1.3	3.0	6.8	13.4	22.3	34.8	47.6	60.3	74.1	88.2
62.5°	0.0	1.5	3.3	8.2	15.4	26.3	39.9	55.1	69.4	84.5	99.0
60°	0.0	1.6	3.6	9.4	17.3	30.0	44.8	62.5	78.1	94.3	109.7
57.5°	0.0	1.7	4.3	10.6	19.9	33.5	49.9	69.4	86.8	103.8	119.8
55°	0.0	1.8	5.0	11.7	22.3	36.8	54.8	75.4	95.2	113.1	129.5
52.5°	0.0	1.9	5.6	12.7	24.6	39.9	59.3	81.6	103.5	121.7	139.0
50°	0.0	2.0	6.3	13.7	26.7	43.2	63.5	87.5	111.3	130.0	149.8
47.5°	0.0	2.1	6.9	14.6	28.6	46.2	67.3	93.0	118.5	138.0	160.4
45°	0.0	2.2	7.4	15.9	30.3	48.9	71.6	98.0	124.0	147.1	170.6
42.5°	0.0	2.2	8.0	17.0	31.8	51.4	75.5	102.7	129.4	155.7	182.5
40°	0.0	2.3	8.5	18.2	33.3	53.5	79.1	107.1	134.9	163.9	194.2
37.5°	0.0	2.4	9.0	19.4	34.9	55.3	82.3	111.3	141.1	171.6	205.1
35°	0.0	2.4	9.4	20.5	36.2	57.4	85.1	115.2	147.1	180.5	216.1
32.5°	0.0	2.5	9.8	21.5	37.2	59.5	87.7	118.9	152.9	189.0	227.7
30°	0.0	2.6	10.2	22.4	38.1	61.2	90.4	122.6	158.6	197.2	238.6
27.5°	0.0	2.6	10.6	23.2	39.4	62.7	92.9	126.9	164.4	204.9	248.7
25°	0.0	2.6	10.9	23.9	40.7	63.9	95.0	130.8	170.4	212.8	258.1
22.5°	0.0	2.7	11.1	24.6	41.7	65.1	96.9	134.5	176.0	220.2	268.0
20°	0.0	2.7	11.4	25.2	42.7	66.7	98.4	137.7	181.1	226.9	277.0
17.5°	0.0	2.7	11.6	25.6	43.5	68.0	100.3	140.6	185.6	232.7	284.8
15°	0.0	2.7	11.7	26.0	44.1	69.1	102.3	143.3	189.5	237.8	291.6
12.5°	0.0	2.7	11.8	26.3	44.6	69.8	103.9	145.9	193.1	241.9	297.3
10°	0.0	2.7	11.9	26.5	44.9	70.3	105.1	147.9	196.1	245.8	302.1
7.5°	0.0	2.7	12.0	26.7	45.1	70.5	106.0	149.3	198.5	249.0	306.3
5°	0.0	2.7	12.0	26.7	45.2	70.4	106.4	150.1	200.1	251.2	309.2
2.5°	0.0	2.7	12.0	26.6	45.0	70.1	106.4	150.3	200.9	252.6	311.0
0°	0.0	2.7	11.9	26.5	44.8	69.5	106.0	149.9	201.0	253.1	311.6
-2.5°	0.0	2.7	12.0	26.6	45.0	70.1	106.4	150.3	200.9	252.6	311.0
-5°	0.0	2.7	12.0	26.7	45.2	70.4	106.4	150.1	200.1	251.2	309.2
-7.5°	0.0	2.7	12.0	26.7	45.1	70.5	106.0	149.3	198.5	249.0	306.3
-10°	0.0	2.7	11.9	26.5	44.9	70.3	105.1	147.9	196.1	245.8	302.1
-12.5°	0.0	2.7	11.8	26.3	44.6	69.8	103.9	145.9	193.1	241.9	297.3
-15°	0.0	2.7	11.7	26.0	44.1	69.1	102.3	143.3	189.5	237.8	291.6
-17.5°	0.0	2.7	11.6	25.6	43.5	68.0	100.3	140.6	185.6	232.7	284.8
-20°	0.0	2.7	11.4	25.2	42.7	66.7	98.4	137.7	181.1	226.9	277.0

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CATALOG NUMBER: GFLD-SA1C-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.7	11.1	24.6	41.7	65.1	96.9	134.5	176.0	220.2	268.0
-25°	0.0	2.6	10.9	23.9	40.7	63.9	95.0	130.8	170.4	212.8	258.1
-27.5°	0.0	2.6	10.6	23.2	39.4	62.7	92.9	126.9	164.4	204.9	248.7
-30°	0.0	2.6	10.2	22.4	38.1	61.2	90.4	122.6	158.6	197.2	238.6
-32.5°	0.0	2.5	9.8	21.5	37.2	59.5	87.7	118.9	152.9	189.0	227.7
-35°	0.0	2.4	9.4	20.5	36.2	57.4	85.1	115.2	147.1	180.5	216.1
-37.5°	0.0	2.4	9.0	19.4	34.9	55.3	82.3	111.3	141.1	171.6	205.1
-40°	0.0	2.3	8.5	18.2	33.3	53.5	79.1	107.1	134.9	163.9	194.2
-42.5°	0.0	2.2	8.0	17.0	31.8	51.4	75.5	102.7	129.4	155.7	182.5
-45°	0.0	2.2	7.4	15.9	30.3	48.9	71.6	98.0	124.0	147.1	170.6
-47.5°	0.0	2.1	6.9	14.6	28.6	46.2	67.3	93.0	118.5	138.0	160.4
-50°	0.0	2.0	6.3	13.7	26.7	43.2	63.5	87.5	111.3	130.0	149.8
-52.5°	0.0	1.9	5.6	12.7	24.6	39.9	59.3	81.6	103.5	121.7	139.0
-55°	0.0	1.8	5.0	11.7	22.3	36.8	54.8	75.4	95.2	113.1	129.5
-57.5°	0.0	1.7	4.3	10.6	19.9	33.5	49.9	69.4	86.8	103.8	119.8
-60°	0.0	1.6	3.6	9.4	17.3	30.0	44.8	62.5	78.1	94.3	109.7
-62.5°	0.0	1.5	3.3	8.2	15.4	26.3	39.9	55.1	69.4	84.5	99.0
-65°	0.0	1.3	3.0	6.8	13.4	22.3	34.8	47.6	60.3	74.1	88.2
-67.5°	0.0	1.2	2.8	5.4	11.2	18.7	29.4	40.5	50.9	63.1	76.1
-70°	0.0	1.1	2.5	4.0	8.9	15.5	23.7	33.1	42.2	51.9	63.2
-72.5°	0.0	1.0	2.2	3.3	6.6	12.1	19.0	25.6	33.3	41.5	50.3
-75°	0.0	0.8	1.9	2.9	4.1	8.6	14.2	19.3	24.2	31.0	38.2
-77.5°	0.0	0.7	1.6	2.4	3.2	5.0	9.3	13.5	17.4	21.2	25.8
-80°	0.0	0.6	1.3	1.9	2.6	3.2	4.3	7.6	10.8	13.9	16.8
-82.5°	0.0	0.4	1.0	1.4	1.9	2.4	2.9	3.3	4.2	6.5	8.8
-85°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-87.5°	0.0	0.1	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
-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-SA1C-722-U-VWR-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°	1.8	2.1	2.3	2.6	2.7	2.7	2.7	2.6	2.7	2.8	2.9
85°	3.6	4.1	5.7	7.3	8.0	8.4	8.7	8.6	10.0	11.6	13.4
82.5°	11.1	13.4	15.6	17.7	18.2	18.2	18.0	18.1	21.4	25.1	29.0
80°	19.8	22.7	26.5	29.9	31.4	32.2	32.5	32.5	36.7	42.2	48.0
77.5°	31.4	36.3	40.5	44.2	46.1	47.8	49.2	50.3	55.6	62.7	69.6
75°	44.6	50.0	55.3	60.0	63.2	65.6	67.9	71.5	78.5	86.7	93.8
72.5°	58.6	65.4	71.4	76.4	81.0	85.8	91.3	97.2	104.6	112.8	120.2
70°	73.5	81.0	87.2	93.3	99.6	106.8	115.0	123.0	131.2	140.2	148.9
67.5°	88.1	95.3	102.7	110.3	119.6	129.4	139.0	150.0	161.3	171.3	180.3
65°	100.7	109.2	118.4	128.8	140.3	152.7	165.5	178.7	193.1	205.1	216.0
62.5°	112.8	123.1	134.2	147.2	161.9	176.5	192.8	209.4	225.5	239.7	252.8
60°	124.0	136.4	150.5	166.4	183.5	202.9	221.6	240.4	258.2	274.2	290.7
57.5°	134.9	150.5	167.4	186.5	208.1	229.9	251.9	272.2	292.2	311.7	330.4
55°	146.4	165.2	185.3	208.7	233.1	258.9	282.5	305.2	327.2	350.9	373.4
52.5°	159.0	180.0	205.2	231.4	259.6	287.3	313.2	339.0	365.7	392.5	421.8
50°	171.2	197.4	224.9	255.4	285.9	315.6	345.4	375.1	407.0	439.9	473.1
47.5°	185.4	214.0	246.6	279.3	312.6	345.6	378.8	414.7	450.9	489.1	525.8
45°	199.8	231.9	267.1	304.1	340.1	376.6	415.4	455.1	497.6	539.5	583.8
42.5°	213.5	249.8	288.6	328.5	368.5	409.4	452.0	498.3	544.8	593.2	641.8
40°	228.6	266.8	309.5	353.5	396.9	442.2	490.9	541.1	593.7	646.9	699.7
37.5°	243.1	285.1	330.0	377.4	426.1	475.9	528.8	585.7	642.8	700.0	758.2
35°	256.7	302.5	351.2	401.4	453.1	509.7	568.8	629.6	691.4	753.4	815.9
32.5°	270.7	318.9	371.3	425.1	482.1	542.8	607.5	673.4	739.3	805.4	873.9
30°	284.8	336.1	390.9	447.5	509.8	576.0	645.6	715.4	785.1	857.8	930.8
27.5°	298.1	352.4	410.1	470.7	536.4	606.7	680.6	755.4	830.5	907.9	985.8
25°	310.3	367.9	427.9	493.0	562.7	636.3	713.3	791.4	873.7	956.5	1037.8
22.5°	322.2	382.1	444.4	513.6	586.5	663.8	744.0	826.4	912.4	1001.3	1085.5
20°	333.7	395.6	460.5	532.2	607.8	688.5	771.8	858.1	948.4	1039.7	1130.2
17.5°	343.9	407.6	475.4	549.6	628.1	711.1	796.9	886.0	980.4	1075.0	1170.9
15°	352.7	418.1	488.4	564.8	646.0	731.7	820.2	911.8	1008.6	1107.2	1206.8
12.5°	360.2	426.9	499.3	577.7	661.3	749.3	840.2	935.1	1034.5	1135.7	1238.3
10°	366.3	434.1	508.1	588.2	673.7	763.9	856.7	954.3	1056.6	1160.1	1264.9
7.5°	371.5	440.2	515.1	596.4	683.3	775.3	869.6	969.2	1074.3	1179.1	1286.1
5°	375.3	445.0	521.6	603.2	691.6	784.2	879.3	979.9	1087.1	1192.6	1301.6
2.5°	377.5	448.2	525.9	607.6	698.2	790.9	887.9	989.3	1096.6	1203.3	1313.2
0°	378.3	449.6	528.2	609.5	701.8	794.1	892.8	994.3	1101.2	1209.9	1320.5
-2.5°	377.5	448.2	525.9	607.6	698.2	790.9	887.9	989.3	1096.6	1203.3	1313.2
-5°	375.3	445.0	521.6	603.2	691.6	784.2	879.3	979.9	1087.1	1192.6	1301.6
-7.5°	371.5	440.2	515.1	596.4	683.3	775.3	869.6	969.2	1074.3	1179.1	1286.1
-10°	366.3	434.1	508.1	588.2	673.7	763.9	856.7	954.3	1056.6	1160.1	1264.9
-12.5°	360.2	426.9	499.3	577.7	661.3	749.3	840.2	935.1	1034.5	1135.7	1238.3
-15°	352.7	418.1	488.4	564.8	646.0	731.7	820.2	911.8	1008.6	1107.2	1206.8
-17.5°	343.9	407.6	475.4	549.6	628.1	711.1	796.9	886.0	980.4	1075.0	1170.9
-20°	333.7	395.6	460.5	532.2	607.8	688.5	771.8	858.1	948.4	1039.7	1130.2

Classified

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

Scaled Data Report



REPORT NUMBER: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	322.2	382.1	444.4	513.6	586.5	663.8	744.0	826.4	912.4	1001.3	1085.5
-25°	310.3	367.9	427.9	493.0	562.7	636.3	713.3	791.4	873.7	956.5	1037.8
-27.5°	298.1	352.4	410.1	470.7	536.4	606.7	680.6	755.4	830.5	907.9	985.8
-30°	284.8	336.1	390.9	447.5	509.8	576.0	645.6	715.4	785.1	857.8	930.8
-32.5°	270.7	318.9	371.3	425.1	482.1	542.8	607.5	673.4	739.3	805.4	873.9
-35°	256.7	302.5	351.2	401.4	453.1	509.7	568.8	629.6	691.4	753.4	815.9
-37.5°	243.1	285.1	330.0	377.4	426.1	475.9	528.8	585.7	642.8	700.0	758.2
-40°	228.6	266.8	309.5	353.5	396.9	442.2	490.9	541.1	593.7	646.9	699.7
-42.5°	213.5	249.8	288.6	328.5	368.5	409.4	452.0	498.3	544.8	593.2	641.8
-45°	199.8	231.9	267.1	304.1	340.1	376.6	415.4	455.1	497.6	539.5	583.8
-47.5°	185.4	214.0	246.6	279.3	312.6	345.6	378.8	414.7	450.9	489.1	525.8
-50°	171.2	197.4	224.9	255.4	285.9	315.6	345.4	375.1	407.0	439.9	473.1
-52.5°	159.0	180.0	205.2	231.4	259.6	287.3	313.2	339.0	365.7	392.5	421.8
-55°	146.4	165.2	185.3	208.7	233.1	258.9	282.5	305.2	327.2	350.9	373.4
-57.5°	134.9	150.5	167.4	186.5	208.1	229.9	251.9	272.2	292.2	311.7	330.4
-60°	124.0	136.4	150.5	166.4	183.5	202.9	221.6	240.4	258.2	274.2	290.7
-62.5°	112.8	123.1	134.2	147.2	161.9	176.5	192.8	209.4	225.5	239.7	252.8
-65°	100.7	109.2	118.4	128.8	140.3	152.7	165.5	178.7	193.1	205.1	216.0
-67.5°	88.1	95.3	102.7	110.3	119.6	129.4	139.0	150.0	161.3	171.3	180.3
-70°	73.5	81.0	87.2	93.3	99.6	106.8	115.0	123.0	131.2	140.2	148.9
-72.5°	58.6	65.4	71.4	76.4	81.0	85.8	91.3	97.2	104.6	112.8	120.2
-75°	44.6	50.0	55.3	60.0	63.2	65.6	67.9	71.5	78.5	86.7	93.8
-77.5°	31.4	36.3	40.5	44.2	46.1	47.8	49.2	50.3	55.6	62.7	69.6
-80°	19.8	22.7	26.5	29.9	31.4	32.2	32.5	32.5	36.7	42.2	48.0
-82.5°	11.1	13.4	15.6	17.7	18.2	18.2	18.0	18.1	21.4	25.1	29.0
-85°	3.6	4.1	5.7	7.3	8.0	8.4	8.7	8.6	10.0	11.6	13.4
-87.5°	1.8	2.1	2.3	2.6	2.7	2.7	2.7	2.6	2.7	2.8	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-VWR-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°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.5	3.6	3.4	3.2
85°	15.3	16.3	17.3	18.3	19.2	20.1	20.9	21.7	22.4	20.5	18.3
82.5°	32.9	35.6	38.1	40.6	43.1	43.7	43.9	43.9	43.5	40.1	36.3
80°	53.8	58.3	62.5	66.7	70.9	71.3	70.9	70.0	68.8	64.3	59.2
77.5°	76.5	82.2	87.1	91.7	95.8	96.5	96.4	96.2	95.9	91.3	85.8
75°	99.9	105.4	110.7	115.2	119.0	120.7	121.6	122.2	122.5	119.2	115.0
72.5°	127.0	132.7	137.4	141.7	145.4	148.1	150.1	151.5	152.5	151.5	149.8
70°	156.3	162.4	167.6	172.5	177.6	181.6	184.7	186.9	188.3	189.2	189.9
67.5°	189.3	197.6	204.8	211.0	217.1	222.8	227.5	231.3	234.3	236.8	238.7
65°	226.5	237.1	246.5	255.1	262.9	271.2	278.0	283.8	288.4	292.2	295.2
62.5°	265.7	278.7	290.7	302.3	313.7	325.0	333.6	341.5	348.6	354.6	359.4
60°	306.4	321.1	337.2	352.6	366.8	379.7	392.6	403.7	413.3	421.2	427.6
57.5°	350.1	369.1	388.0	407.1	425.2	442.1	458.0	471.9	483.7	493.4	501.5
55°	397.3	421.1	443.0	467.1	490.5	511.7	530.4	546.8	561.0	572.9	583.0
52.5°	449.2	478.2	506.6	534.1	560.5	585.2	607.6	626.7	643.7	658.3	669.9
50°	506.0	539.2	572.1	602.6	633.1	661.5	687.1	709.3	729.1	746.2	759.7
47.5°	565.5	603.2	639.9	674.9	708.6	740.1	767.9	793.2	817.9	838.0	853.9
45°	627.2	669.4	710.0	750.0	787.1	822.4	856.7	888.2	913.5	935.7	954.4
42.5°	689.6	736.8	782.2	825.8	866.6	907.5	946.0	980.5	1009.4	1034.6	1055.8
40°	752.8	804.5	854.6	902.1	948.7	993.3	1035.0	1071.4	1104.0	1133.9	1158.8
37.5°	815.8	872.6	928.1	981.4	1032.7	1081.0	1126.1	1167.1	1203.9	1238.0	1265.7
35°	879.0	941.4	1002.2	1060.7	1116.8	1170.1	1219.4	1266.1	1309.5	1344.0	1372.3
32.5°	942.0	1009.1	1075.1	1139.7	1201.0	1258.5	1311.9	1363.5	1408.1	1446.1	1478.7
30°	1003.0	1075.6	1147.5	1217.5	1283.8	1346.0	1405.2	1459.8	1507.7	1549.3	1585.8
27.5°	1062.8	1140.8	1218.0	1292.8	1364.4	1432.1	1496.6	1555.8	1608.1	1653.2	1691.8
25°	1119.3	1203.1	1285.4	1364.7	1441.3	1515.9	1585.6	1650.2	1706.0	1755.6	1795.3
22.5°	1173.3	1262.7	1349.2	1432.6	1514.4	1594.8	1671.2	1738.6	1797.9	1849.7	1893.6
20°	1223.6	1319.4	1407.9	1496.1	1582.3	1668.2	1750.1	1821.3	1884.0	1939.2	1987.5
17.5°	1270.6	1368.9	1462.1	1555.9	1646.8	1736.9	1820.2	1896.4	1964.1	2022.7	2073.2
15°	1310.4	1409.7	1511.5	1611.7	1707.5	1798.8	1882.0	1961.6	2036.7	2100.0	2151.3
12.5°	1342.7	1445.9	1552.1	1658.4	1759.8	1850.9	1938.0	2018.8	2097.7	2168.8	2216.0
10°	1370.2	1476.5	1586.0	1694.5	1797.2	1893.7	1988.4	2073.8	2151.2	2215.0	2267.6
7.5°	1393.9	1503.4	1614.7	1723.4	1825.8	1925.4	2022.8	2113.6	2191.8	2251.8	2298.8
5°	1411.4	1523.5	1637.0	1746.6	1850.5	1950.4	2048.3	2137.9	2214.2	2275.3	2326.6
2.5°	1424.0	1537.1	1651.4	1761.2	1867.4	1967.5	2067.9	2158.5	2232.4	2288.4	2337.4
0°	1432.0	1545.3	1660.4	1772.8	1877.0	1973.9	2081.7	2166.7	2243.5	2299.2	2350.4
-2.5°	1424.0	1537.1	1651.4	1761.2	1867.4	1967.5	2067.9	2158.5	2232.4	2288.4	2337.4
-5°	1411.4	1523.5	1637.0	1746.6	1850.5	1950.4	2048.3	2137.9	2214.2	2275.3	2326.6
-7.5°	1393.9	1503.4	1614.7	1723.4	1825.8	1925.4	2022.8	2113.6	2191.8	2251.8	2298.8
-10°	1370.2	1476.5	1586.0	1694.5	1797.2	1893.7	1988.4	2073.8	2151.2	2215.0	2267.6
-12.5°	1342.7	1445.9	1552.1	1658.4	1759.8	1850.9	1938.0	2018.8	2097.7	2168.8	2216.0
-15°	1310.4	1409.7	1511.5	1611.7	1707.5	1798.8	1882.0	1961.6	2036.7	2100.0	2151.3
-17.5°	1270.6	1368.9	1462.1	1555.9	1646.8	1736.9	1820.2	1896.4	1964.1	2022.7	2073.2
-20°	1223.6	1319.4	1407.9	1496.1	1582.3	1668.2	1750.1	1821.3	1884.0	1939.2	1987.5



REPORT NUMBER: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1173.3	1262.7	1349.2	1432.6	1514.4	1594.8	1671.2	1738.6	1797.9	1849.7	1893.6
-25°	1119.3	1203.1	1285.4	1364.7	1441.3	1515.9	1585.6	1650.2	1706.0	1755.6	1795.3
-27.5°	1062.8	1140.8	1218.0	1292.8	1364.4	1432.1	1496.6	1555.8	1608.1	1653.2	1691.8
-30°	1003.0	1075.6	1147.5	1217.5	1283.8	1346.0	1405.2	1459.8	1507.7	1549.3	1585.8
-32.5°	942.0	1009.1	1075.1	1139.7	1201.0	1258.5	1311.9	1363.5	1408.1	1446.1	1478.7
-35°	879.0	941.4	1002.2	1060.7	1116.8	1170.1	1219.4	1266.1	1309.5	1344.0	1372.3
-37.5°	815.8	872.6	928.1	981.4	1032.7	1081.0	1126.1	1167.1	1203.9	1238.0	1265.7
-40°	752.8	804.5	854.6	902.1	948.7	993.3	1035.0	1071.4	1104.0	1133.9	1158.8
-42.5°	689.6	736.8	782.2	825.8	866.6	907.5	946.0	980.5	1009.4	1034.6	1055.8
-45°	627.2	669.4	710.0	750.0	787.1	822.4	856.7	888.2	913.5	935.7	954.4
-47.5°	565.5	603.2	639.9	674.9	708.6	740.1	767.9	793.2	817.9	838.0	853.9
-50°	506.0	539.2	572.1	602.6	633.1	661.5	687.1	709.3	729.1	746.2	759.7
-52.5°	449.2	478.2	506.6	534.1	560.5	585.2	607.6	626.7	643.7	658.3	669.9
-55°	397.3	421.1	443.0	467.1	490.5	511.7	530.4	546.8	561.0	572.9	583.0
-57.5°	350.1	369.1	388.0	407.1	425.2	442.1	458.0	471.9	483.7	493.4	501.5
-60°	306.4	321.1	337.2	352.6	366.8	379.7	392.6	403.7	413.3	421.2	427.6
-62.5°	265.7	278.7	290.7	302.3	313.7	325.0	333.6	341.5	348.6	354.6	359.4
-65°	226.5	237.1	246.5	255.1	262.9	271.2	278.0	283.8	288.4	292.2	295.2
-67.5°	189.3	197.6	204.8	211.0	217.1	222.8	227.5	231.3	234.3	236.8	238.7
-70°	156.3	162.4	167.6	172.5	177.6	181.6	184.7	186.9	188.3	189.2	189.9
-72.5°	127.0	132.7	137.4	141.7	145.4	148.1	150.1	151.5	152.5	151.5	149.8
-75°	99.9	105.4	110.7	115.2	119.0	120.7	121.6	122.2	122.5	119.2	115.0
-77.5°	76.5	82.2	87.1	91.7	95.8	96.5	96.4	96.2	95.9	91.3	85.8
-80°	53.8	58.3	62.5	66.7	70.9	71.3	70.9	70.0	68.8	64.3	59.2
-82.5°	32.9	35.6	38.1	40.6	43.1	43.7	43.9	43.9	43.5	40.1	36.3
-85°	15.3	16.3	17.3	18.3	19.2	20.1	20.9	21.7	22.4	20.5	18.3
-87.5°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.5	3.6	3.4	3.2
-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: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-VWR-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°	2.9	2.7	2.7	2.7	2.7	2.7	2.9	3.2	3.4	3.6	3.5
85°	16.0	13.6	12.8	11.9	12.8	13.6	16.0	18.3	20.5	22.4	21.7
82.5°	32.3	28.2	26.9	25.6	26.9	28.2	32.3	36.3	40.1	43.5	43.9
80°	53.9	48.3	46.1	43.9	46.1	48.3	53.9	59.2	64.3	68.8	70.0
77.5°	80.0	73.8	71.2	68.5	71.2	73.8	80.0	85.8	91.3	95.9	96.2
75°	110.4	105.6	102.7	99.6	102.7	105.6	110.4	115.0	119.2	122.5	122.2
72.5°	147.8	145.4	143.3	140.7	143.3	145.4	147.8	149.8	151.5	152.5	151.5
70°	190.1	189.8	190.2	190.1	190.2	189.8	190.1	189.9	189.2	188.3	186.9
67.5°	239.7	239.8	240.8	241.3	240.8	239.8	239.7	238.7	236.8	234.3	231.3
65°	297.1	297.8	297.5	296.1	297.5	297.8	297.1	295.2	292.2	288.4	283.8
62.5°	362.8	364.7	365.8	365.5	365.8	364.7	362.8	359.4	354.6	348.6	341.5
60°	432.3	435.4	436.9	436.8	436.9	435.4	432.3	427.6	421.2	413.3	403.7
57.5°	507.6	511.6	512.5	510.8	512.5	511.6	507.6	501.5	493.4	483.7	471.9
55°	590.7	595.7	597.7	596.7	597.7	595.7	590.7	583.0	572.9	561.0	546.8
52.5°	678.4	683.9	685.9	684.5	685.9	683.9	678.4	669.9	658.3	643.7	626.7
50°	769.6	776.2	778.9	777.7	778.9	776.2	769.6	759.7	746.2	729.1	709.3
47.5°	866.4	875.3	878.7	876.4	878.7	875.3	866.4	853.9	838.0	817.9	793.2
45°	968.3	977.4	981.0	978.7	981.0	977.4	968.3	954.4	935.7	913.5	888.2
42.5°	1072.0	1083.9	1088.9	1084.7	1088.9	1083.9	1072.0	1055.8	1034.6	1009.4	980.5
40°	1177.5	1190.4	1196.4	1193.5	1196.4	1190.4	1177.5	1158.8	1133.9	1104.0	1071.4
37.5°	1285.7	1298.5	1304.9	1305.0	1304.9	1298.5	1285.7	1265.7	1238.0	1203.9	1167.1
35°	1394.3	1409.9	1418.7	1418.3	1418.7	1409.9	1394.3	1372.3	1344.0	1309.5	1266.1
32.5°	1504.4	1521.3	1530.3	1531.6	1530.3	1521.3	1504.4	1478.7	1446.1	1408.1	1363.5
30°	1614.4	1632.9	1643.3	1647.6	1643.3	1632.9	1614.4	1585.8	1549.3	1507.7	1459.8
27.5°	1721.0	1743.9	1759.6	1761.0	1759.6	1743.9	1721.0	1691.8	1653.2	1608.1	1555.8
25°	1824.3	1847.6	1863.7	1867.0	1863.7	1847.6	1824.3	1795.3	1755.6	1706.0	1650.2
22.5°	1926.1	1950.4	1965.3	1971.1	1965.3	1950.4	1926.1	1893.6	1849.7	1797.9	1738.6
20°	2023.3	2049.6	2065.4	2071.7	2065.4	2049.6	2023.3	1987.5	1939.2	1884.0	1821.3
17.5°	2111.1	2139.0	2158.5	2164.0	2158.5	2139.0	2111.1	2073.2	2022.7	1964.1	1896.4
15°	2188.5	2214.9	2233.4	2240.7	2233.4	2214.9	2188.5	2151.3	2100.0	2036.7	1961.6
12.5°	2251.4	2275.1	2289.6	2296.5	2289.6	2275.1	2251.4	2216.0	2168.8	2097.7	2018.8
10°	2300.7	2324.3	2338.2	2347.6	2338.2	2324.3	2300.7	2267.6	2215.0	2151.2	2073.8
7.5°	2343.4	2367.6	2384.6	2397.9	2384.6	2367.6	2343.4	2298.8	2251.8	2191.8	2113.6
5°	2366.9	2407.4	2413.5	2422.6	2413.5	2407.4	2366.9	2326.6	2275.3	2214.2	2137.9
2.5°	2384.9	2413.6	2430.8	2429.0	2430.8	2413.6	2384.9	2337.4	2288.4	2232.4	2158.5
0°	2397.9	2423.5	2429.9	2438.1	2429.9	2423.5	2397.9	2350.4	2299.2	2243.5	2166.7
-2.5°	2384.9	2413.6	2430.8	2429.0	2430.8	2413.6	2384.9	2337.4	2288.4	2232.4	2158.5
-5°	2366.9	2407.4	2413.5	2422.6	2413.5	2407.4	2366.9	2326.6	2275.3	2214.2	2137.9
-7.5°	2343.4	2367.6	2384.6	2397.9	2384.6	2367.6	2343.4	2298.8	2251.8	2191.8	2113.6
-10°	2300.7	2324.3	2338.2	2347.6	2338.2	2324.3	2300.7	2267.6	2215.0	2151.2	2073.8
-12.5°	2251.4	2275.1	2289.6	2296.5	2289.6	2275.1	2251.4	2216.0	2168.8	2097.7	2018.8
-15°	2188.5	2214.9	2233.4	2240.7	2233.4	2214.9	2188.5	2151.3	2100.0	2036.7	1961.6
-17.5°	2111.1	2139.0	2158.5	2164.0	2158.5	2139.0	2111.1	2073.2	2022.7	1964.1	1896.4
-20°	2023.3	2049.6	2065.4	2071.7	2065.4	2049.6	2023.3	1987.5	1939.2	1884.0	1821.3



REPORT NUMBER: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1926.1	1950.4	1965.3	1971.1	1965.3	1950.4	1926.1	1893.6	1849.7	1797.9	1738.6
-25°	1824.3	1847.6	1863.7	1867.0	1863.7	1847.6	1824.3	1795.3	1755.6	1706.0	1650.2
-27.5°	1721.0	1743.9	1759.6	1761.0	1759.6	1743.9	1721.0	1691.8	1653.2	1608.1	1555.8
-30°	1614.4	1632.9	1643.3	1647.6	1643.3	1632.9	1614.4	1585.8	1549.3	1507.7	1459.8
-32.5°	1504.4	1521.3	1530.3	1531.6	1530.3	1521.3	1504.4	1478.7	1446.1	1408.1	1363.5
-35°	1394.3	1409.9	1418.7	1418.3	1418.7	1409.9	1394.3	1372.3	1344.0	1309.5	1266.1
-37.5°	1285.7	1298.5	1304.9	1305.0	1304.9	1298.5	1285.7	1265.7	1238.0	1203.9	1167.1
-40°	1177.5	1190.4	1196.4	1193.5	1196.4	1190.4	1177.5	1158.8	1133.9	1104.0	1071.4
-42.5°	1072.0	1083.9	1088.9	1084.7	1088.9	1083.9	1072.0	1055.8	1034.6	1009.4	980.5
-45°	968.3	977.4	981.0	978.7	981.0	977.4	968.3	954.4	935.7	913.5	888.2
-47.5°	866.4	875.3	878.7	876.4	878.7	875.3	866.4	853.9	838.0	817.9	793.2
-50°	769.6	776.2	778.9	777.7	778.9	776.2	769.6	759.7	746.2	729.1	709.3
-52.5°	678.4	683.9	685.9	684.5	685.9	683.9	678.4	669.9	658.3	643.7	626.7
-55°	590.7	595.7	597.7	596.7	597.7	595.7	590.7	583.0	572.9	561.0	546.8
-57.5°	507.6	511.6	512.5	510.8	512.5	511.6	507.6	501.5	493.4	483.7	471.9
-60°	432.3	435.4	436.9	436.8	436.9	435.4	432.3	427.6	421.2	413.3	403.7
-62.5°	362.8	364.7	365.8	365.5	365.8	364.7	362.8	359.4	354.6	348.6	341.5
-65°	297.1	297.8	297.5	296.1	297.5	297.8	297.1	295.2	292.2	288.4	283.8
-67.5°	239.7	239.8	240.8	241.3	240.8	239.8	239.7	238.7	236.8	234.3	231.3
-70°	190.1	189.8	190.2	190.1	190.2	189.8	190.1	189.9	189.2	188.3	186.9
-72.5°	147.8	145.4	143.3	140.7	143.3	145.4	147.8	149.8	151.5	152.5	151.5
-75°	110.4	105.6	102.7	99.6	102.7	105.6	110.4	115.0	119.2	122.5	122.2
-77.5°	80.0	73.8	71.2	68.5	71.2	73.8	80.0	85.8	91.3	95.9	96.2
-80°	53.9	48.3	46.1	43.9	46.1	48.3	53.9	59.2	64.3	68.8	70.0
-82.5°	32.3	28.2	26.9	25.6	26.9	28.2	32.3	36.3	40.1	43.5	43.9
-85°	16.0	13.6	12.8	11.9	12.8	13.6	16.0	18.3	20.5	22.4	21.7
-87.5°	2.9	2.7	2.7	2.7	2.7	2.7	2.9	3.2	3.4	3.6	3.5
-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: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-VWR-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°	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
85°	20.9	20.1	19.2	18.3	17.3	16.3	15.3	13.4	11.6	10.0	8.6
82.5°	43.9	43.7	43.1	40.6	38.1	35.6	32.9	29.0	25.1	21.4	18.1
80°	70.9	71.3	70.9	66.7	62.5	58.3	53.8	48.0	42.2	36.7	32.5
77.5°	96.4	96.5	95.8	91.7	87.1	82.2	76.5	69.6	62.7	55.6	50.3
75°	121.6	120.7	119.0	115.2	110.7	105.4	99.9	93.8	86.7	78.5	71.5
72.5°	150.1	148.1	145.4	141.7	137.4	132.7	127.0	120.2	112.8	104.6	97.2
70°	184.7	181.6	177.6	172.5	167.6	162.4	156.3	148.9	140.2	131.2	123.0
67.5°	227.5	222.8	217.1	211.0	204.8	197.6	189.3	180.3	171.3	161.3	150.0
65°	278.0	271.2	262.9	255.1	246.5	237.1	226.5	216.0	205.1	193.1	178.7
62.5°	333.6	325.0	313.7	302.3	290.7	278.7	265.7	252.8	239.7	225.5	209.4
60°	392.6	379.7	366.8	352.6	337.2	321.1	306.4	290.7	274.2	258.2	240.4
57.5°	458.0	442.1	425.2	407.1	388.0	369.1	350.1	330.4	311.7	292.2	272.2
55°	530.4	511.7	490.5	467.1	443.0	421.1	397.3	373.4	350.9	327.2	305.2
52.5°	607.6	585.2	560.5	534.1	506.6	478.2	449.2	421.8	392.5	365.7	339.0
50°	687.1	661.5	633.1	602.6	572.1	539.2	506.0	473.1	439.9	407.0	375.1
47.5°	767.9	740.1	708.6	674.9	639.9	603.2	565.5	525.8	489.1	450.9	414.7
45°	856.7	822.4	787.1	750.0	710.0	669.4	627.2	583.8	539.5	497.6	455.1
42.5°	946.0	907.5	866.6	825.8	782.2	736.8	689.6	641.8	593.2	544.8	498.3
40°	1035.0	993.3	948.7	902.1	854.6	804.5	752.8	699.7	646.9	593.7	541.1
37.5°	1126.1	1081.0	1032.7	981.4	928.1	872.6	815.8	758.2	700.0	642.8	585.7
35°	1219.4	1170.1	1116.8	1060.7	1002.2	941.4	879.0	815.9	753.4	691.4	629.6
32.5°	1311.9	1258.5	1201.0	1139.7	1075.1	1009.1	942.0	873.9	805.4	739.3	673.4
30°	1405.2	1346.0	1283.8	1217.5	1147.5	1075.6	1003.0	930.8	857.8	785.1	715.4
27.5°	1496.6	1432.1	1364.4	1292.8	1218.0	1140.8	1062.8	985.8	907.9	830.5	755.4
25°	1585.6	1515.9	1441.3	1364.7	1285.4	1203.1	1119.3	1037.8	956.5	873.7	791.4
22.5°	1671.2	1594.8	1514.4	1432.6	1349.2	1262.7	1173.3	1085.5	1001.3	912.4	826.4
20°	1750.1	1668.2	1582.3	1496.1	1407.9	1319.4	1223.6	1130.2	1039.7	948.4	858.1
17.5°	1820.2	1736.9	1646.8	1555.9	1462.1	1368.9	1270.6	1170.9	1075.0	980.4	886.0
15°	1882.0	1798.8	1707.5	1611.7	1511.5	1409.7	1310.4	1206.8	1107.2	1008.6	911.8
12.5°	1938.0	1850.9	1759.8	1658.4	1552.1	1445.9	1342.7	1238.3	1135.7	1034.5	935.1
10°	1988.4	1893.7	1797.2	1694.5	1586.0	1476.5	1370.2	1264.9	1160.1	1056.6	954.3
7.5°	2022.8	1925.4	1825.8	1723.4	1614.7	1503.4	1393.9	1286.1	1179.1	1074.3	969.2
5°	2048.3	1950.4	1850.5	1746.6	1637.0	1523.5	1411.4	1301.6	1192.6	1087.1	979.9
2.5°	2067.9	1967.5	1867.4	1761.2	1651.4	1537.1	1424.0	1313.2	1203.3	1096.6	989.3
0°	2081.7	1973.9	1877.0	1772.8	1660.4	1545.3	1432.0	1320.5	1209.9	1101.2	994.3
-2.5°	2067.9	1967.5	1867.4	1761.2	1651.4	1537.1	1424.0	1313.2	1203.3	1096.6	989.3
-5°	2048.3	1950.4	1850.5	1746.6	1637.0	1523.5	1411.4	1301.6	1192.6	1087.1	979.9
-7.5°	2022.8	1925.4	1825.8	1723.4	1614.7	1503.4	1393.9	1286.1	1179.1	1074.3	969.2
-10°	1988.4	1893.7	1797.2	1694.5	1586.0	1476.5	1370.2	1264.9	1160.1	1056.6	954.3
-12.5°	1938.0	1850.9	1759.8	1658.4	1552.1	1445.9	1342.7	1238.3	1135.7	1034.5	935.1
-15°	1882.0	1798.8	1707.5	1611.7	1511.5	1409.7	1310.4	1206.8	1107.2	1008.6	911.8
-17.5°	1820.2	1736.9	1646.8	1555.9	1462.1	1368.9	1270.6	1170.9	1075.0	980.4	886.0
-20°	1750.1	1668.2	1582.3	1496.1	1407.9	1319.4	1223.6	1130.2	1039.7	948.4	858.1

Classified

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

Scaled Data Report



REPORT NUMBER: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1671.2	1594.8	1514.4	1432.6	1349.2	1262.7	1173.3	1085.5	1001.3	912.4	826.4
-25°	1585.6	1515.9	1441.3	1364.7	1285.4	1203.1	1119.3	1037.8	956.5	873.7	791.4
-27.5°	1496.6	1432.1	1364.4	1292.8	1218.0	1140.8	1062.8	985.8	907.9	830.5	755.4
-30°	1405.2	1346.0	1283.8	1217.5	1147.5	1075.6	1003.0	930.8	857.8	785.1	715.4
-32.5°	1311.9	1258.5	1201.0	1139.7	1075.1	1009.1	942.0	873.9	805.4	739.3	673.4
-35°	1219.4	1170.1	1116.8	1060.7	1002.2	941.4	879.0	815.9	753.4	691.4	629.6
-37.5°	1126.1	1081.0	1032.7	981.4	928.1	872.6	815.8	758.2	700.0	642.8	585.7
-40°	1035.0	993.3	948.7	902.1	854.6	804.5	752.8	699.7	646.9	593.7	541.1
-42.5°	946.0	907.5	866.6	825.8	782.2	736.8	689.6	641.8	593.2	544.8	498.3
-45°	856.7	822.4	787.1	750.0	710.0	669.4	627.2	583.8	539.5	497.6	455.1
-47.5°	767.9	740.1	708.6	674.9	639.9	603.2	565.5	525.8	489.1	450.9	414.7
-50°	687.1	661.5	633.1	602.6	572.1	539.2	506.0	473.1	439.9	407.0	375.1
-52.5°	607.6	585.2	560.5	534.1	506.6	478.2	449.2	421.8	392.5	365.7	339.0
-55°	530.4	511.7	490.5	467.1	443.0	421.1	397.3	373.4	350.9	327.2	305.2
-57.5°	458.0	442.1	425.2	407.1	388.0	369.1	350.1	330.4	311.7	292.2	272.2
-60°	392.6	379.7	366.8	352.6	337.2	321.1	306.4	290.7	274.2	258.2	240.4
-62.5°	333.6	325.0	313.7	302.3	290.7	278.7	265.7	252.8	239.7	225.5	209.4
-65°	278.0	271.2	262.9	255.1	246.5	237.1	226.5	216.0	205.1	193.1	178.7
-67.5°	227.5	222.8	217.1	211.0	204.8	197.6	189.3	180.3	171.3	161.3	150.0
-70°	184.7	181.6	177.6	172.5	167.6	162.4	156.3	148.9	140.2	131.2	123.0
-72.5°	150.1	148.1	145.4	141.7	137.4	132.7	127.0	120.2	112.8	104.6	97.2
-75°	121.6	120.7	119.0	115.2	110.7	105.4	99.9	93.8	86.7	78.5	71.5
-77.5°	96.4	96.5	95.8	91.7	87.1	82.2	76.5	69.6	62.7	55.6	50.3
-80°	70.9	71.3	70.9	66.7	62.5	58.3	53.8	48.0	42.2	36.7	32.5
-82.5°	43.9	43.7	43.1	40.6	38.1	35.6	32.9	29.0	25.1	21.4	18.1
-85°	20.9	20.1	19.2	18.3	17.3	16.3	15.3	13.4	11.6	10.0	8.6
-87.5°	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-VWR-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°	2.7	2.7	2.7	2.6	2.3	2.1	1.8	1.6	1.4	1.3	1.1
85°	8.7	8.4	8.0	7.3	5.7	4.1	3.6	3.1	2.8	2.5	2.2
82.5°	18.0	18.2	18.2	17.7	15.6	13.4	11.1	8.8	6.5	4.2	3.3
80°	32.5	32.2	31.4	29.9	26.5	22.7	19.8	16.8	13.9	10.8	7.6
77.5°	49.2	47.8	46.1	44.2	40.5	36.3	31.4	25.8	21.2	17.4	13.5
75°	67.9	65.6	63.2	60.0	55.3	50.0	44.6	38.2	31.0	24.2	19.3
72.5°	91.3	85.8	81.0	76.4	71.4	65.4	58.6	50.3	41.5	33.3	25.6
70°	115.0	106.8	99.6	93.3	87.2	81.0	73.5	63.2	51.9	42.2	33.1
67.5°	139.0	129.4	119.6	110.3	102.7	95.3	88.1	76.1	63.1	50.9	40.5
65°	165.5	152.7	140.3	128.8	118.4	109.2	100.7	88.2	74.1	60.3	47.6
62.5°	192.8	176.5	161.9	147.2	134.2	123.1	112.8	99.0	84.5	69.4	55.1
60°	221.6	202.9	183.5	166.4	150.5	136.4	124.0	109.7	94.3	78.1	62.5
57.5°	251.9	229.9	208.1	186.5	167.4	150.5	134.9	119.8	103.8	86.8	69.4
55°	282.5	258.9	233.1	208.7	185.3	165.2	146.4	129.5	113.1	95.2	75.4
52.5°	313.2	287.3	259.6	231.4	205.2	180.0	159.0	139.0	121.7	103.5	81.6
50°	345.4	315.6	285.9	255.4	224.9	197.4	171.2	149.8	130.0	111.3	87.5
47.5°	378.8	345.6	312.6	279.3	246.6	214.0	185.4	160.4	138.0	118.5	93.0
45°	415.4	376.6	340.1	304.1	267.1	231.9	199.8	170.6	147.1	124.0	98.0
42.5°	452.0	409.4	368.5	328.5	288.6	249.8	213.5	182.5	155.7	129.4	102.7
40°	490.9	442.2	396.9	353.5	309.5	266.8	228.6	194.2	163.9	134.9	107.1
37.5°	528.8	475.9	426.1	377.4	330.0	285.1	243.1	205.1	171.6	141.1	111.3
35°	568.8	509.7	453.1	401.4	351.2	302.5	256.7	216.1	180.5	147.1	115.2
32.5°	607.5	542.8	482.1	425.1	371.3	318.9	270.7	227.7	189.0	152.9	118.9
30°	645.6	576.0	509.8	447.5	390.9	336.1	284.8	238.6	197.2	158.6	122.6
27.5°	680.6	606.7	536.4	470.7	410.1	352.4	298.1	248.7	204.9	164.4	126.9
25°	713.3	636.3	562.7	493.0	427.9	367.9	310.3	258.1	212.8	170.4	130.8
22.5°	744.0	663.8	586.5	513.6	444.4	382.1	322.2	268.0	220.2	176.0	134.5
20°	771.8	688.5	607.8	532.2	460.5	395.6	333.7	277.0	226.9	181.1	137.7
17.5°	796.9	711.1	628.1	549.6	475.4	407.6	343.9	284.8	232.7	185.6	140.6
15°	820.2	731.7	646.0	564.8	488.4	418.1	352.7	291.6	237.8	189.5	143.3
12.5°	840.2	749.3	661.3	577.7	499.3	426.9	360.2	297.3	241.9	193.1	145.9
10°	856.7	763.9	673.7	588.2	508.1	434.1	366.3	302.1	245.8	196.1	147.9
7.5°	869.6	775.3	683.3	596.4	515.1	440.2	371.5	306.3	249.0	198.5	149.3
5°	879.3	784.2	691.6	603.2	521.6	445.0	375.3	309.2	251.2	200.1	150.1
2.5°	887.9	790.9	698.2	607.6	525.9	448.2	377.5	311.0	252.6	200.9	150.3
0°	892.8	794.1	701.8	609.5	528.2	449.6	378.3	311.6	253.1	201.0	149.9
-2.5°	887.9	790.9	698.2	607.6	525.9	448.2	377.5	311.0	252.6	200.9	150.3
-5°	879.3	784.2	691.6	603.2	521.6	445.0	375.3	309.2	251.2	200.1	150.1
-7.5°	869.6	775.3	683.3	596.4	515.1	440.2	371.5	306.3	249.0	198.5	149.3
-10°	856.7	763.9	673.7	588.2	508.1	434.1	366.3	302.1	245.8	196.1	147.9
-12.5°	840.2	749.3	661.3	577.7	499.3	426.9	360.2	297.3	241.9	193.1	145.9
-15°	820.2	731.7	646.0	564.8	488.4	418.1	352.7	291.6	237.8	189.5	143.3
-17.5°	796.9	711.1	628.1	549.6	475.4	407.6	343.9	284.8	232.7	185.6	140.6
-20°	771.8	688.5	607.8	532.2	460.5	395.6	333.7	277.0	226.9	181.1	137.7



REPORT NUMBER: P626651 (CONVERTED FROM TYPE C PHOTOMETRY)

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	744.0	663.8	586.5	513.6	444.4	382.1	322.2	268.0	220.2	176.0	134.5
-25°	713.3	636.3	562.7	493.0	427.9	367.9	310.3	258.1	212.8	170.4	130.8
-27.5°	680.6	606.7	536.4	470.7	410.1	352.4	298.1	248.7	204.9	164.4	126.9
-30°	645.6	576.0	509.8	447.5	390.9	336.1	284.8	238.6	197.2	158.6	122.6
-32.5°	607.5	542.8	482.1	425.1	371.3	318.9	270.7	227.7	189.0	152.9	118.9
-35°	568.8	509.7	453.1	401.4	351.2	302.5	256.7	216.1	180.5	147.1	115.2
-37.5°	528.8	475.9	426.1	377.4	330.0	285.1	243.1	205.1	171.6	141.1	111.3
-40°	490.9	442.2	396.9	353.5	309.5	266.8	228.6	194.2	163.9	134.9	107.1
-42.5°	452.0	409.4	368.5	328.5	288.6	249.8	213.5	182.5	155.7	129.4	102.7
-45°	415.4	376.6	340.1	304.1	267.1	231.9	199.8	170.6	147.1	124.0	98.0
-47.5°	378.8	345.6	312.6	279.3	246.6	214.0	185.4	160.4	138.0	118.5	93.0
-50°	345.4	315.6	285.9	255.4	224.9	197.4	171.2	149.8	130.0	111.3	87.5
-52.5°	313.2	287.3	259.6	231.4	205.2	180.0	159.0	139.0	121.7	103.5	81.6
-55°	282.5	258.9	233.1	208.7	185.3	165.2	146.4	129.5	113.1	95.2	75.4
-57.5°	251.9	229.9	208.1	186.5	167.4	150.5	134.9	119.8	103.8	86.8	69.4
-60°	221.6	202.9	183.5	166.4	150.5	136.4	124.0	109.7	94.3	78.1	62.5
-62.5°	192.8	176.5	161.9	147.2	134.2	123.1	112.8	99.0	84.5	69.4	55.1
-65°	165.5	152.7	140.3	128.8	118.4	109.2	100.7	88.2	74.1	60.3	47.6
-67.5°	139.0	129.4	119.6	110.3	102.7	95.3	88.1	76.1	63.1	50.9	40.5
-70°	115.0	106.8	99.6	93.3	87.2	81.0	73.5	63.2	51.9	42.2	33.1
-72.5°	91.3	85.8	81.0	76.4	71.4	65.4	58.6	50.3	41.5	33.3	25.6
-75°	67.9	65.6	63.2	60.0	55.3	50.0	44.6	38.2	31.0	24.2	19.3
-77.5°	49.2	47.8	46.1	44.2	40.5	36.3	31.4	25.8	21.2	17.4	13.5
-80°	32.5	32.2	31.4	29.9	26.5	22.7	19.8	16.8	13.9	10.8	7.6
-82.5°	18.0	18.2	18.2	17.7	15.6	13.4	11.1	8.8	6.5	4.2	3.3
-85°	8.7	8.4	8.0	7.3	5.7	4.1	3.6	3.1	2.8	2.5	2.2
-87.5°	2.7	2.7	2.7	2.6	2.3	2.1	1.8	1.6	1.4	1.3	1.1
-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):

	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°	1.0	0.8	0.6	0.5	0.3	0.1	0.0
85°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
82.5°	2.9	2.4	1.9	1.4	1.0	0.4	0.0
80°	4.3	3.2	2.6	1.9	1.3	0.6	0.0
77.5°	9.3	5.0	3.2	2.4	1.6	0.7	0.0
75°	14.2	8.6	4.1	2.9	1.9	0.8	0.0
72.5°	19.0	12.1	6.6	3.3	2.2	1.0	0.0
70°	23.7	15.5	8.9	4.0	2.5	1.1	0.0
67.5°	29.4	18.7	11.2	5.4	2.8	1.2	0.0
65°	34.8	22.3	13.4	6.8	3.0	1.3	0.0
62.5°	39.9	26.3	15.4	8.2	3.3	1.5	0.0
60°	44.8	30.0	17.3	9.4	3.6	1.6	0.0
57.5°	49.9	33.5	19.9	10.6	4.3	1.7	0.0
55°	54.8	36.8	22.3	11.7	5.0	1.8	0.0
52.5°	59.3	39.9	24.6	12.7	5.6	1.9	0.0
50°	63.5	43.2	26.7	13.7	6.3	2.0	0.0
47.5°	67.3	46.2	28.6	14.6	6.9	2.1	0.0
45°	71.6	48.9	30.3	15.9	7.4	2.2	0.0
42.5°	75.5	51.4	31.8	17.0	8.0	2.2	0.0
40°	79.1	53.5	33.3	18.2	8.5	2.3	0.0
37.5°	82.3	55.3	34.9	19.4	9.0	2.4	0.0
35°	85.1	57.4	36.2	20.5	9.4	2.4	0.0
32.5°	87.7	59.5	37.2	21.5	9.8	2.5	0.0
30°	90.4	61.2	38.1	22.4	10.2	2.6	0.0
27.5°	92.9	62.7	39.4	23.2	10.6	2.6	0.0
25°	95.0	63.9	40.7	23.9	10.9	2.6	0.0
22.5°	96.9	65.1	41.7	24.6	11.1	2.7	0.0
20°	98.4	66.7	42.7	25.2	11.4	2.7	0.0
17.5°	100.3	68.0	43.5	25.6	11.6	2.7	0.0
15°	102.3	69.1	44.1	26.0	11.7	2.7	0.0
12.5°	103.9	69.8	44.6	26.3	11.8	2.7	0.0
10°	105.1	70.3	44.9	26.5	11.9	2.7	0.0
7.5°	106.0	70.5	45.1	26.7	12.0	2.7	0.0
5°	106.4	70.4	45.2	26.7	12.0	2.7	0.0
2.5°	106.4	70.1	45.0	26.6	12.0	2.7	0.0
0°	106.0	69.5	44.8	26.5	11.9	2.7	0.0
-2.5°	106.4	70.1	45.0	26.6	12.0	2.7	0.0
-5°	106.4	70.4	45.2	26.7	12.0	2.7	0.0
-7.5°	106.0	70.5	45.1	26.7	12.0	2.7	0.0
-10°	105.1	70.3	44.9	26.5	11.9	2.7	0.0
-12.5°	103.9	69.8	44.6	26.3	11.8	2.7	0.0
-15°	102.3	69.1	44.1	26.0	11.7	2.7	0.0
-17.5°	100.3	68.0	43.5	25.6	11.6	2.7	0.0
-20°	98.4	66.7	42.7	25.2	11.4	2.7	0.0

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CATALOG NUMBER: GFLD-SA1C-722-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	96.9	65.1	41.7	24.6	11.1	2.7	0.0
-25°	95.0	63.9	40.7	23.9	10.9	2.6	0.0
-27.5°	92.9	62.7	39.4	23.2	10.6	2.6	0.0
-30°	90.4	61.2	38.1	22.4	10.2	2.6	0.0
-32.5°	87.7	59.5	37.2	21.5	9.8	2.5	0.0
-35°	85.1	57.4	36.2	20.5	9.4	2.4	0.0
-37.5°	82.3	55.3	34.9	19.4	9.0	2.4	0.0
-40°	79.1	53.5	33.3	18.2	8.5	2.3	0.0
-42.5°	75.5	51.4	31.8	17.0	8.0	2.2	0.0
-45°	71.6	48.9	30.3	15.9	7.4	2.2	0.0
-47.5°	67.3	46.2	28.6	14.6	6.9	2.1	0.0
-50°	63.5	43.2	26.7	13.7	6.3	2.0	0.0
-52.5°	59.3	39.9	24.6	12.7	5.6	1.9	0.0
-55°	54.8	36.8	22.3	11.7	5.0	1.8	0.0
-57.5°	49.9	33.5	19.9	10.6	4.3	1.7	0.0
-60°	44.8	30.0	17.3	9.4	3.6	1.6	0.0
-62.5°	39.9	26.3	15.4	8.2	3.3	1.5	0.0
-65°	34.8	22.3	13.4	6.8	3.0	1.3	0.0
-67.5°	29.4	18.7	11.2	5.4	2.8	1.2	0.0
-70°	23.7	15.5	8.9	4.0	2.5	1.1	0.0
-72.5°	19.0	12.1	6.6	3.3	2.2	1.0	0.0
-75°	14.2	8.6	4.1	2.9	1.9	0.8	0.0
-77.5°	9.3	5.0	3.2	2.4	1.6	0.7	0.0
-80°	4.3	3.2	2.6	1.9	1.3	0.6	0.0
-82.5°	2.9	2.4	1.9	1.4	1.0	0.4	0.0
-85°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
-87.5°	1.0	0.8	0.6	0.5	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)