

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: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2C-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626890 (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-SA2C-722-U-VWR-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

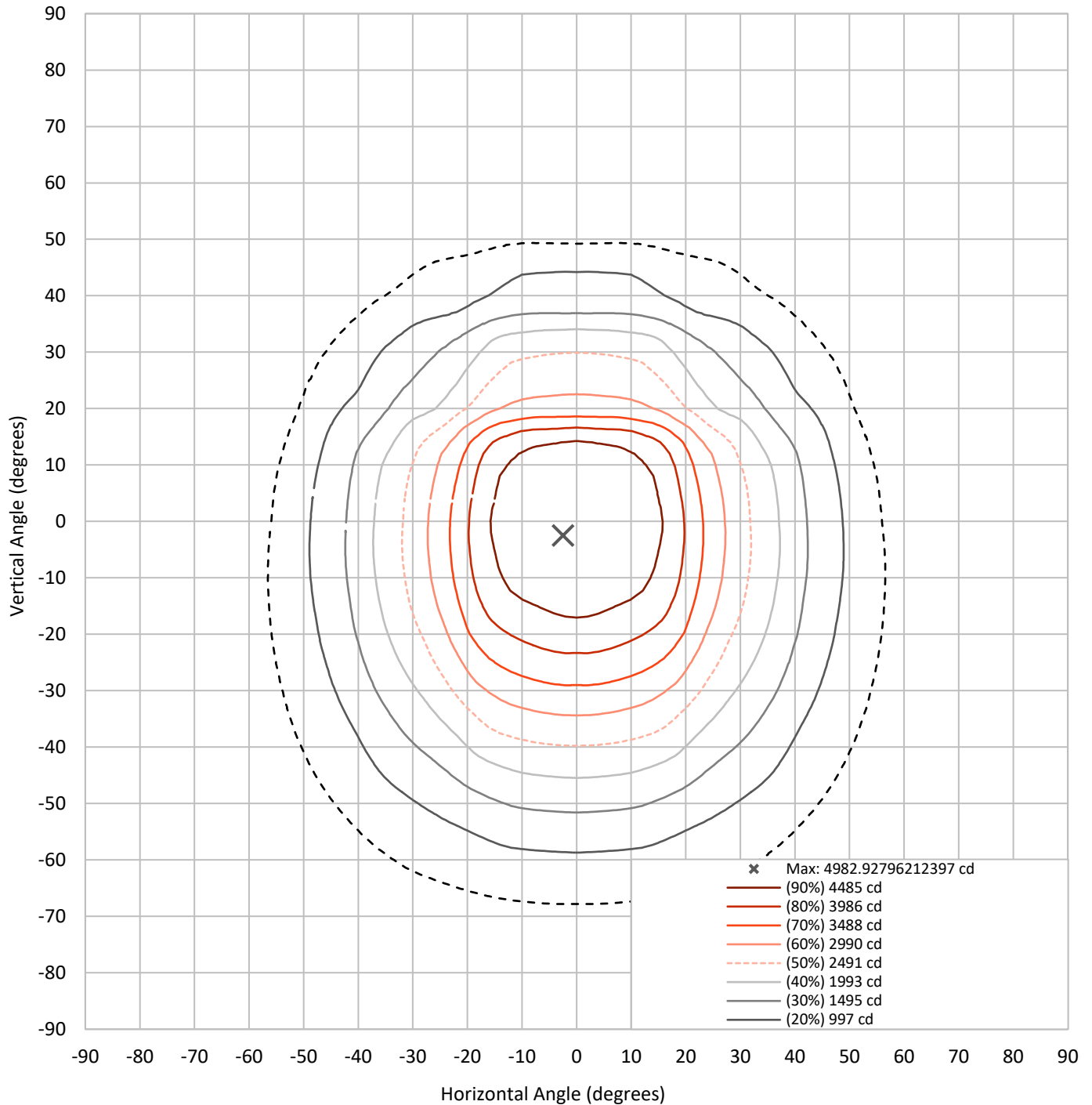
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	6649.8 lumens	Max Intensity:	4982.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	80.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	3847.4 lumens	Field Lumens:	6310.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	82.6		
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: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2C-722-U-VWR-VSR-XX

Iso-Candela Plot





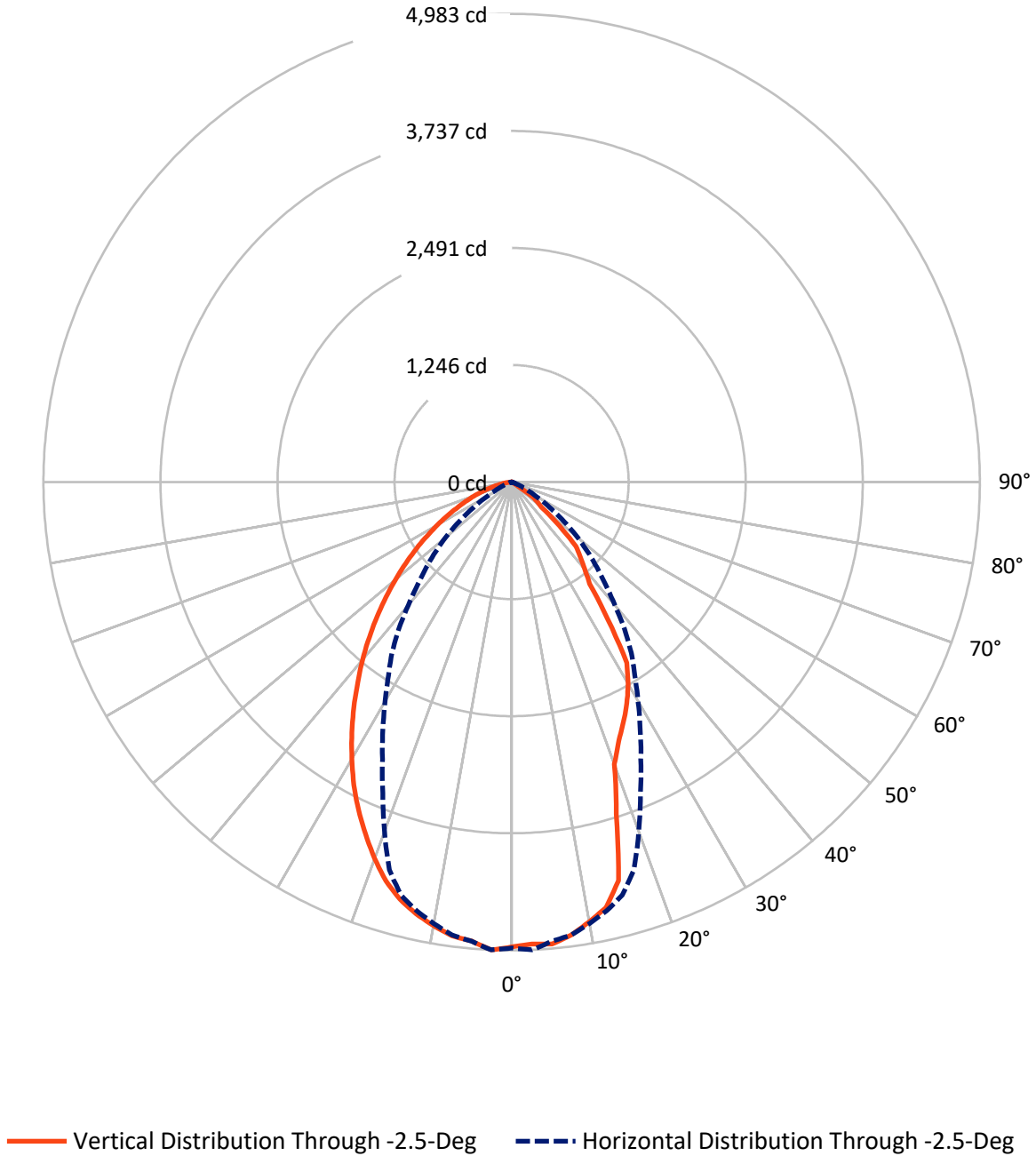
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Lumen Table

90																			
80	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0						
70																			
60	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1				
50		0.1	0.1	0.6	1.8	3.5	5.2	6.5	6.5	5.2	3.5	1.8	0.6	0.1					0.1
40	0.1	0.1	0.7	3.4	8.2	14.8	21.9	26.8	26.8	21.9	14.8	8.2	3.4	0.7	0.1	0.1			
30		0.3	2.5	8.6	19.3	31.2	46.8	54.8	54.8	46.8	31.2	19.3	8.6	2.5	0.3				
20	0.2	0.7	4.8	15.3	31.1	49.2	73.9	84.9	84.9	73.9	49.2	31.1	15.3	4.8	0.7	0.2			
10		1.3	7.3	22.6	44.7	73.6	109.6	125.7	125.7	109.6	73.6	44.7	22.6	7.3	1.3				
0	0.3	1.7	9.5	26.9	53.5	88.0	129.4	146.9	146.9	129.4	88.0	53.5	26.9	9.5	1.7	0.3			
-10		2.0	10.5	27.9	54.9	90.0	130.4	147.4	147.4	130.4	90.0	54.9	27.9	10.5	2.0				
-20	0.4	2.1	10.3	26.4	51.8	84.3	121.0	136.7	136.7	121.0	84.3	51.8	26.4	10.3	2.1	0.4			
-30		1.9	9.0	23.1	44.7	71.6	101.4	114.9	114.9	101.4	71.6	44.7	23.1	9.0	1.9				
-40	0.4	1.6	7.2	18.1	35.2	55.3	77.5	87.7	87.7	77.5	55.3	35.2	18.1	7.2	1.6	0.4			
-50		1.3	5.3	12.9	25.2	38.9	53.6	60.9	60.9	53.6	38.9	25.2	12.9	5.3	1.3				
-60	0.3	1.0	3.5	8.3	15.7	24.1	32.8	37.4	37.4	32.8	24.1	15.7	8.3	3.5	1.0	0.3			
-70		0.7	2.1	4.9	8.6	12.8	16.9	19.2	19.2	16.9	12.8	8.6	4.9	2.1	0.7				
-80	0.1	1.6	7.2	15.6	17.5	15.6	7.2	1.6	0.1										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

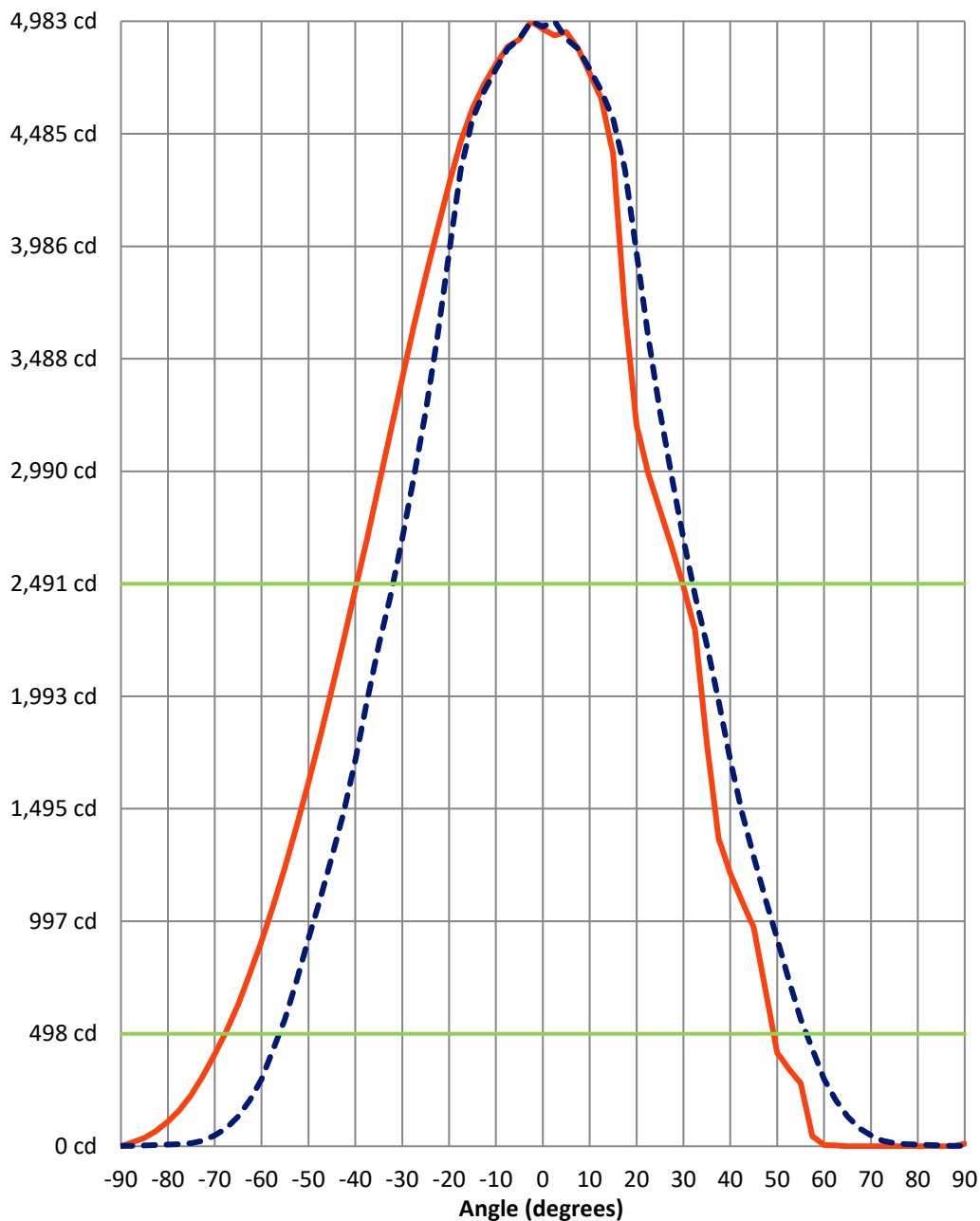
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 3847.4
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 6310.3
 Efficiency: 94.9%

Spill:
 Lumens: 339.6
 Efficiency: 5.1%

— Vertical Distribution through -2.5-Deg
 - - - Horizontal Distribution through -2.5-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	1.9	1.9	1.9	2.3	2.8	3.3	3.7	4.2	4.7	5.1	5.6
87.5°	1.9	1.9	1.9	1.8	1.7	1.6	1.4	1.0	0.6	0.3	0.0
85°	1.9	1.9	1.9	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0
82.5°	1.9	1.9	1.9	1.7	1.4	1.0	0.4	0.1	0.0	0.3	0.5
80°	1.9	1.9	1.9	1.7	1.3	0.7	0.1	0.4	0.7	1.0	1.3
77.5°	1.9	1.9	1.9	1.6	1.1	0.6	0.6	0.9	1.3	1.7	1.7
75°	1.9	1.9	1.9	1.6	1.0	0.9	1.1	1.5	1.9	1.5	1.0
72.5°	1.9	1.9	1.9	1.5	1.2	1.2	1.5	1.9	1.6	1.1	0.3
70°	1.9	1.9	1.9	1.5	1.4	1.5	1.9	1.8	1.4	0.7	0.9
67.5°	1.9	1.9	1.9	1.6	1.5	1.8	2.0	1.7	1.2	1.5	1.7
65°	1.9	1.9	1.9	1.6	1.7	2.0	2.0	1.7	1.9	2.2	2.3
62.5°	1.9	1.9	1.9	1.7	1.8	2.1	2.1	2.1	2.5	2.8	2.6
60°	1.9	1.9	1.9	1.8	1.9	2.3	2.2	2.7	3.1	3.3	2.9
57.5°	1.9	1.9	1.9	1.8	2.1	2.4	2.7	3.2	3.7	3.7	3.7
55°	1.9	1.9	1.9	1.8	2.2	2.6	3.1	3.7	4.2	4.3	4.5
52.5°	1.9	1.9	2.0	1.9	2.4	2.9	3.6	4.3	4.9	5.1	5.4
50°	1.9	1.9	2.0	1.9	2.6	3.2	4.0	4.8	5.5	5.9	6.3
47.5°	1.9	1.9	2.1	1.9	2.8	3.6	4.5	5.4	6.2	6.7	7.1
45°	1.9	1.9	2.1	2.1	3.1	4.0	4.9	5.9	6.8	7.4	8.0
42.5°	1.9	1.9	2.2	2.3	3.3	4.3	5.3	6.4	7.5	8.2	9.7
40°	1.9	1.9	2.2	2.5	3.5	4.7	5.8	7.1	8.3	9.0	11.6
37.5°	1.9	1.9	2.3	2.7	3.8	5.0	6.2	7.7	9.1	10.2	13.5
35°	1.9	1.9	2.4	3.0	4.1	5.3	6.5	8.4	9.9	12.6	17.2
32.5°	1.9	1.9	2.5	3.2	4.3	5.6	7.0	9.1	10.7	15.3	24.6
30°	1.9	1.9	2.6	3.4	4.6	5.9	7.5	9.8	11.6	18.5	31.7
27.5°	1.9	1.9	2.6	3.7	4.9	6.2	8.1	10.5	13.2	22.0	38.6
25°	1.9	1.9	2.7	3.9	5.2	6.5	8.6	11.3	15.9	27.1	45.4
22.5°	1.9	1.9	2.8	4.1	5.4	6.8	9.2	12.0	18.7	32.7	54.4
20°	1.9	1.9	2.9	4.3	5.7	7.1	9.7	12.7	21.6	38.0	63.2
17.5°	1.9	1.9	3.0	4.5	6.0	7.4	10.3	13.5	24.6	43.0	72.0
15°	1.9	1.9	3.1	4.7	6.2	7.7	10.8	14.4	27.7	47.7	80.5
12.5°	1.9	1.9	3.2	4.8	6.4	8.0	11.3	15.7	31.0	52.0	88.6
10°	1.9	1.9	3.3	5.0	6.7	8.3	11.7	17.0	34.5	57.1	96.8
7.5°	1.9	1.9	3.4	5.2	6.9	8.6	12.1	18.4	37.9	62.0	105.4
5°	1.9	1.9	3.5	5.3	7.1	8.8	12.4	19.8	41.1	66.5	113.3
2.5°	1.9	1.9	3.6	5.5	7.2	9.1	12.7	21.1	44.0	70.7	120.3
0°	1.9	1.9	3.7	5.6	7.4	9.3	13.0	22.3	46.5	74.4	126.5
-2.5°	1.9	1.9	3.7	5.6	7.4	9.3	13.0	22.3	46.5	74.4	126.5
-5°	1.9	1.9	3.7	5.6	7.7	9.7	14.4	26.7	49.8	85.4	136.6
-7.5°	1.9	1.9	3.7	5.6	7.8	9.8	15.0	28.5	51.0	89.6	140.1
-10°	1.9	1.9	3.6	5.5	7.9	10.0	15.5	30.0	51.9	92.7	142.7
-12.5°	1.9	1.9	3.6	5.5	8.0	10.1	15.8	31.1	52.5	94.3	144.7
-15°	1.9	1.9	3.6	5.4	8.0	10.2	16.1	31.8	53.6	94.1	145.5
-17.5°	1.9	1.9	3.5	5.3	8.0	10.3	16.1	32.5	55.2	93.2	144.6
-20°	1.9	1.9	3.5	5.3	8.0	10.4	16.6	33.1	56.2	91.5	141.9

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Scaled Data Report



REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	1.9	1.9	3.4	5.2	7.9	10.4	17.6	33.4	56.6	89.0	137.4
-25°	1.9	1.9	3.4	5.1	7.7	11.1	18.5	33.3	56.5	85.9	131.0
-27.5°	1.9	1.9	3.3	5.0	7.5	12.0	19.2	32.8	55.7	83.2	126.3
-30°	1.9	1.9	3.2	4.8	7.4	12.7	19.6	31.9	54.6	82.0	121.0
-32.5°	1.9	1.9	3.1	4.7	7.6	13.3	19.9	32.0	53.3	79.9	115.0
-35°	1.9	1.9	3.0	4.6	7.8	13.8	20.4	32.1	51.4	77.0	108.4
-37.5°	1.9	1.9	3.0	4.4	8.0	14.1	21.0	32.0	49.1	73.3	105.5
-40°	1.9	1.9	2.9	4.3	8.0	14.2	21.3	31.6	46.2	69.7	102.1
-42.5°	1.9	1.9	2.8	4.2	8.1	14.2	21.4	30.9	44.5	66.8	97.1
-45°	1.9	1.9	2.6	4.2	8.1	14.1	21.3	30.2	43.3	63.2	90.7
-47.5°	1.9	1.9	2.5	4.2	8.1	13.9	21.0	29.8	41.8	59.0	85.7
-50°	1.9	1.9	2.4	4.1	7.9	13.6	20.5	29.0	40.5	57.4	79.7
-52.5°	1.9	1.9	2.3	4.0	7.7	13.2	20.0	28.0	39.5	55.4	73.3
-55°	1.9	1.9	2.2	3.9	7.3	12.6	19.3	26.7	38.2	52.9	70.3
-57.5°	1.9	1.9	2.0	3.8	6.9	11.9	18.4	25.6	36.4	50.3	66.6
-60°	1.9	1.9	1.9	3.6	6.4	11.1	17.4	24.4	34.1	47.1	62.5
-62.5°	1.9	1.9	1.9	3.4	6.1	10.2	16.0	22.7	31.3	43.4	57.6
-65°	1.9	1.9	1.9	3.2	5.7	9.1	14.4	20.6	27.9	38.5	52.1
-67.5°	1.9	1.9	1.9	3.0	5.3	8.2	12.7	18.1	24.0	32.8	44.7
-70°	1.9	1.9	1.9	2.7	4.8	7.5	10.8	15.4	20.5	26.5	36.2
-72.5°	1.9	1.9	1.9	2.7	4.3	6.7	9.6	12.6	16.9	22.0	27.7
-75°	1.9	1.9	1.9	2.6	3.7	5.8	8.3	10.6	13.2	17.3	22.0
-77.5°	1.9	1.9	1.9	2.6	3.5	4.9	7.0	8.9	10.9	13.1	16.2
-80°	1.9	1.9	1.9	2.6	3.4	4.4	5.7	7.2	8.8	10.5	12.4
-82.5°	1.9	1.9	1.9	2.5	3.3	4.1	5.1	5.8	6.6	7.9	9.3
-85°	1.9	1.9	1.9	2.5	3.1	3.9	4.7	5.3	5.9	6.5	7.1
-87.5°	1.9	1.9	1.9	2.4	3.0	3.6	4.2	4.7	5.3	5.8	6.4
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.4	0.9	0.5	0.0



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CATALOG NUMBER: GFLD-SA2C-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°
90°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	6.1	6.5	7.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.6	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.3	1.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.4	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.3	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.1	1.2	0.8	0.3	0.0	0.1	0.3	0.2	0.0	0.1	0.2
67.5°	1.8	1.3	0.9	0.5	0.7	1.0	0.9	1.0	1.0	1.1	1.0
65°	1.9	1.4	1.4	1.6	1.9	2.0	2.2	2.3	2.0	1.7	1.8
62.5°	2.0	2.1	2.4	2.7	3.0	3.2	3.3	2.9	2.2	2.8	3.2
60°	2.8	3.0	3.4	3.8	4.2	4.4	4.2	4.2	4.7	5.5	10.5
57.5°	3.7	4.0	4.4	5.0	5.5	5.6	5.8	6.3	14.7	24.1	26.6
55°	4.7	4.9	5.7	6.6	7.2	7.1	10.2	21.5	32.4	45.0	49.6
52.5°	5.7	6.1	7.4	8.5	9.2	14.3	25.8	41.2	57.3	71.7	90.3
50°	6.6	8.0	9.4	11.0	17.5	30.9	47.7	68.6	93.0	116.0	139.5
47.5°	8.3	10.0	12.1	17.3	34.5	53.1	76.3	110.1	140.1	167.9	200.1
45°	10.2	13.8	16.1	34.3	54.3	78.2	117.6	158.9	186.1	223.3	280.3
42.5°	12.3	19.0	30.8	51.8	76.1	114.8	163.7	198.8	235.1	295.3	355.3
40°	17.6	25.5	46.4	71.4	102.2	158.6	208.8	248.6	298.1	364.9	427.5
37.5°	24.2	39.0	62.3	92.3	143.2	205.0	258.7	315.5	372.5	435.4	551.6
35°	31.4	51.4	82.5	123.0	184.2	256.5	320.5	384.0	449.6	573.6	688.9
32.5°	40.9	62.9	103.6	158.6	228.5	307.9	382.2	455.5	560.8	701.2	816.8
30°	51.1	81.4	127.9	191.7	270.3	354.9	444.3	533.1	672.4	788.6	914.1
27.5°	61.7	100.8	156.4	226.2	309.4	399.4	500.2	626.9	751.2	865.9	1003.9
25°	72.6	121.1	182.5	259.2	347.8	447.4	563.4	717.6	814.9	941.7	1085.6
22.5°	86.7	140.5	208.3	289.1	383.4	496.7	644.6	799.5	914.0	1020.6	1161.2
20°	102.9	162.4	236.4	326.5	418.4	544.9	725.4	888.4	1023.0	1145.1	1274.2
17.5°	118.1	182.8	266.4	364.8	469.1	606.6	804.7	985.0	1133.2	1269.2	1430.5
15°	132.1	201.7	295.8	401.0	519.1	677.4	875.8	1073.8	1243.0	1396.1	1579.3
12.5°	145.0	219.0	324.2	434.8	566.1	738.3	935.5	1128.8	1314.7	1514.2	1722.1
10°	156.5	234.5	350.9	466.1	609.6	789.9	984.8	1174.6	1362.2	1573.3	1804.3
7.5°	169.0	249.0	375.2	494.5	649.3	832.5	1024.2	1211.4	1400.5	1620.6	1857.7
5°	180.4	262.4	394.5	514.9	679.9	865.7	1053.8	1239.3	1429.6	1655.8	1898.2
2.5°	190.5	273.6	410.2	530.9	702.6	890.2	1073.1	1262.6	1451.3	1684.4	1929.1
0°	199.0	282.7	422.2	543.1	719.8	907.7	1084.4	1277.9	1463.9	1703.8	1949.4
-2.5°	204.5	297.6	430.5	564.5	734.8	919.2	1094.6	1282.2	1477.5	1710.0	1972.2
-5°	208.3	309.7	435.5	581.0	744.7	924.3	1097.9	1278.8	1481.1	1708.4	1975.6
-7.5°	210.6	318.3	437.8	590.4	748.2	921.2	1092.3	1272.5	1475.2	1702.6	1960.8
-10°	211.9	320.9	440.9	587.6	743.6	911.3	1079.7	1257.8	1458.3	1683.6	1932.7
-12.5°	215.4	319.2	440.4	581.3	733.8	896.2	1061.0	1234.4	1430.2	1651.1	1893.9
-15°	216.2	315.4	435.1	572.1	718.8	876.5	1036.6	1202.3	1395.5	1619.5	1851.0
-17.5°	214.3	309.6	424.8	560.4	698.8	852.6	1007.8	1173.4	1363.0	1583.0	1805.9
-20°	209.3	302.1	409.2	546.5	675.0	826.0	979.0	1143.1	1325.6	1532.4	1755.5

Classified

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

Scaled Data Report



REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	201.2	293.1	392.4	527.2	654.5	795.6	945.3	1101.8	1278.7	1466.8	1687.7
-25°	192.8	282.8	379.1	500.6	629.9	760.0	906.5	1051.3	1223.7	1408.4	1604.4
-27.5°	184.8	268.5	365.3	471.4	600.8	722.0	862.6	1003.9	1161.8	1342.8	1523.3
-30°	174.3	253.1	348.5	443.3	566.1	686.2	813.7	952.7	1094.7	1266.5	1444.1
-32.5°	165.1	237.1	329.3	422.0	528.7	645.9	761.0	893.5	1032.1	1178.5	1354.0
-35°	158.9	227.6	309.0	397.3	490.5	602.0	711.5	826.6	960.8	1098.3	1252.3
-37.5°	153.9	216.6	287.6	371.6	460.3	556.0	658.5	764.4	881.5	1020.1	1165.0
-40°	146.1	204.3	271.8	347.1	425.4	512.4	607.5	703.4	804.9	940.3	1083.2
-42.5°	136.0	192.4	256.8	320.5	392.0	471.4	555.9	646.2	743.8	861.4	992.8
-45°	128.3	177.2	240.2	297.3	356.4	429.0	508.4	590.3	682.3	783.2	901.2
-47.5°	118.4	160.7	218.5	271.8	324.0	385.9	458.5	536.0	617.5	708.5	805.2
-50°	107.9	146.9	191.9	243.8	293.6	345.1	407.0	478.6	552.6	631.9	718.2
-52.5°	99.9	130.7	171.8	215.0	262.5	309.2	361.9	423.3	489.4	555.6	631.5
-55°	90.9	118.9	152.7	191.5	231.8	275.1	323.1	376.9	430.7	491.6	552.2
-57.5°	84.6	107.5	136.8	170.5	206.7	243.5	288.8	334.2	384.1	434.5	484.7
-60°	79.6	97.6	122.0	151.6	183.9	218.3	255.4	297.4	340.3	381.4	424.9
-62.5°	73.9	89.6	108.6	132.8	162.0	191.9	224.6	260.6	299.5	334.1	367.7
-65°	66.6	80.2	96.5	116.2	139.1	164.4	192.3	222.6	256.1	284.3	311.8
-67.5°	58.1	69.6	83.3	99.3	118.5	138.2	158.6	184.3	211.5	234.5	256.9
-70°	47.5	58.1	69.3	82.4	97.4	114.1	132.1	150.7	169.3	188.1	208.6
-72.5°	36.4	46.0	55.5	64.9	76.8	90.5	105.2	120.8	137.0	153.1	168.6
-75°	27.7	34.0	42.3	50.7	59.0	67.9	77.8	90.2	105.4	120.9	135.1
-77.5°	20.9	26.2	31.7	37.5	42.7	49.3	56.5	64.2	76.7	91.0	105.5
-80°	15.1	18.2	22.6	27.3	31.0	34.6	38.4	42.3	51.6	63.1	75.4
-82.5°	11.2	13.3	15.8	18.5	20.4	22.2	24.2	26.8	33.7	41.5	49.7
-85°	7.7	8.3	9.7	11.2	12.2	13.3	14.3	15.4	19.2	23.3	27.8
-87.5°	6.6	7.0	7.3	7.7	7.9	8.0	8.1	8.2	9.5	10.8	12.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	7.4	7.9	8.4	8.8	9.3	9.8	10.3	10.7	11.2	11.2	11.2
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°	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.9	1.0	1.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
65°	2.0	1.9	1.4	0.9	0.5	0.7	1.1	1.3	1.4	1.2	1.0
62.5°	3.0	2.7	2.5	2.8	3.4	3.9	3.8	3.6	3.3	3.1	3.2
60°	11.0	7.3	8.5	10.6	10.0	6.8	11.2	12.7	10.8	7.4	7.1
57.5°	27.9	26.9	30.8	45.0	49.6	45.1	53.9	65.5	65.1	56.1	55.8
55°	59.4	79.7	104.2	108.2	125.2	159.4	186.0	174.3	174.3	183.0	211.3
52.5°	112.8	132.0	139.1	158.1	193.8	219.7	236.3	253.5	272.4	291.6	311.1
50°	165.6	184.2	205.3	224.8	274.1	300.7	296.3	331.9	377.5	406.0	420.6
47.5°	242.9	272.2	316.8	386.8	423.6	450.2	483.3	523.6	575.9	646.8	701.4
45°	333.9	380.0	449.1	523.4	580.5	606.5	644.3	706.8	790.2	871.3	930.6
42.5°	408.3	471.6	549.4	620.4	667.0	709.7	758.8	811.5	906.9	993.6	1062.0
40°	505.4	554.7	642.0	708.9	750.6	793.0	870.7	949.6	1039.3	1120.1	1176.2
37.5°	628.4	683.9	774.8	850.4	890.6	905.5	1037.7	1147.5	1220.5	1323.5	1357.3
35°	760.6	851.8	967.7	1065.7	1105.1	1183.7	1319.9	1473.1	1639.2	1700.3	1752.4
32.5°	908.1	1020.6	1177.8	1283.0	1339.2	1458.5	1630.8	1794.4	2011.6	2129.4	2164.6
30°	1043.0	1172.2	1307.2	1409.5	1505.6	1649.3	1806.5	2008.2	2208.9	2359.6	2406.4
27.5°	1142.0	1284.9	1414.8	1510.6	1619.0	1773.9	1969.9	2174.1	2371.2	2524.9	2579.5
25°	1236.5	1398.0	1500.9	1612.3	1739.6	1908.4	2125.5	2352.4	2546.6	2676.5	2743.5
22.5°	1344.0	1503.3	1613.7	1708.0	1874.5	2069.0	2270.5	2527.0	2732.7	2836.3	2909.0
20°	1455.0	1635.2	1805.6	1893.4	2037.5	2283.8	2509.4	2751.5	2950.1	3058.1	3134.6
17.5°	1609.8	1839.4	2048.5	2172.8	2327.1	2621.6	2903.1	3148.0	3424.3	3521.9	3615.3
15°	1773.0	2038.8	2283.7	2480.7	2679.9	2971.7	3334.2	3629.7	3944.9	4085.7	4244.8
12.5°	1935.7	2187.2	2409.1	2663.3	2944.0	3202.1	3547.2	3915.2	4201.2	4380.8	4487.9
10°	2057.3	2290.9	2504.5	2759.2	3039.4	3331.4	3674.3	4051.5	4351.0	4504.2	4591.6
7.5°	2123.0	2346.5	2571.8	2829.9	3108.9	3419.9	3773.2	4147.4	4453.6	4602.1	4688.4
5°	2171.7	2386.5	2619.7	2891.4	3173.5	3488.8	3841.6	4211.4	4490.6	4648.4	4757.5
2.5°	2201.2	2411.8	2650.3	2931.1	3213.9	3542.4	3912.1	4295.5	4539.8	4666.7	4767.1
0°	2209.8	2421.8	2667.4	2951.9	3242.1	3573.2	3939.6	4319.1	4566.5	4689.3	4791.6
-2.5°	2219.4	2437.7	2690.0	2965.4	3253.1	3583.3	3957.3	4327.1	4549.6	4673.5	4770.9
-5°	2212.7	2439.0	2690.5	2954.3	3243.9	3571.4	3930.5	4276.2	4509.0	4642.9	4739.7
-7.5°	2192.7	2422.2	2671.1	2924.6	3208.7	3539.9	3897.5	4230.4	4466.2	4607.5	4713.4
-10°	2163.5	2386.3	2637.0	2893.7	3174.4	3489.7	3841.8	4172.7	4398.4	4548.4	4671.8
-12.5°	2131.3	2349.4	2591.0	2837.3	3114.9	3426.3	3767.4	4080.7	4305.0	4468.6	4556.8
-15°	2083.4	2301.4	2532.4	2770.6	3041.2	3343.3	3669.2	3969.7	4190.0	4323.1	4420.6
-17.5°	2022.5	2236.5	2455.4	2681.4	2936.3	3233.8	3561.7	3858.1	4037.6	4156.5	4252.4
-20°	1957.3	2155.2	2362.6	2575.9	2822.9	3117.6	3439.6	3698.2	3867.4	3981.6	4072.1



REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	1882.9	2073.4	2263.3	2467.1	2709.4	2979.6	3264.0	3513.8	3695.9	3799.8	3883.4
-25°	1797.9	1983.2	2163.5	2360.4	2583.1	2826.0	3090.4	3335.9	3498.9	3609.4	3692.3
-27.5°	1706.3	1880.5	2056.6	2233.4	2433.6	2675.6	2920.4	3148.5	3287.7	3399.0	3482.4
-30°	1614.9	1771.6	1934.6	2101.9	2289.8	2508.0	2737.0	2928.8	3075.6	3183.8	3261.2
-32.5°	1515.9	1664.6	1809.0	1965.4	2142.3	2334.6	2535.6	2718.0	2874.9	2974.0	3039.2
-35°	1414.5	1558.4	1690.6	1832.6	1988.6	2154.5	2340.1	2520.0	2674.9	2753.3	2816.9
-37.5°	1308.9	1452.3	1577.6	1696.3	1830.7	1984.3	2165.1	2336.8	2470.5	2537.9	2595.3
-40°	1217.1	1343.4	1456.1	1569.6	1678.9	1815.4	1984.1	2150.3	2257.6	2323.3	2376.5
-42.5°	1127.9	1234.4	1326.8	1428.5	1537.9	1672.4	1808.5	1947.9	2034.2	2107.1	2163.1
-45°	1024.0	1119.3	1205.9	1290.5	1390.3	1513.1	1636.7	1748.3	1829.1	1899.6	1954.2
-47.5°	909.2	1001.1	1085.2	1160.9	1253.6	1356.0	1460.1	1553.0	1632.8	1702.4	1751.1
-50°	802.1	884.3	966.3	1042.9	1123.2	1206.2	1290.6	1372.2	1447.9	1515.5	1557.0
-52.5°	706.2	782.0	853.8	920.7	991.0	1061.0	1130.9	1205.6	1275.3	1339.4	1372.5
-55°	619.4	687.8	752.6	809.0	865.4	920.9	980.9	1049.8	1113.9	1173.2	1197.0
-57.5°	541.6	600.1	657.4	705.1	751.1	795.3	847.9	906.1	962.3	1013.1	1032.5
-60°	469.9	516.4	564.3	606.6	646.7	684.6	730.5	777.4	822.9	861.2	877.8
-62.5°	404.0	443.7	480.0	514.4	548.4	582.5	619.5	656.7	693.5	723.0	738.0
-65°	340.5	372.1	401.3	429.6	457.0	485.7	514.7	542.9	570.1	591.3	604.2
-67.5°	280.9	304.9	328.0	350.1	373.0	396.2	418.9	440.6	461.0	477.3	489.7
-70°	228.0	246.6	264.7	283.0	302.1	320.1	337.2	353.4	368.6	380.4	389.9
-72.5°	183.8	198.9	214.5	230.9	246.4	259.9	272.2	284.0	295.4	302.0	307.0
-75°	148.2	160.9	174.5	187.8	200.7	211.0	220.0	228.7	237.1	237.6	235.9
-77.5°	119.7	131.0	141.6	152.0	162.3	168.7	174.2	179.9	185.6	182.3	177.0
-80°	87.8	97.3	106.2	115.2	124.2	128.0	130.6	132.9	134.8	130.4	125.1
-82.5°	58.3	64.3	70.1	76.0	82.0	84.4	86.2	87.7	88.8	84.9	80.4
-85°	32.5	35.4	38.2	41.0	43.9	45.5	47.1	48.5	49.8	47.5	44.8
-87.5°	13.5	14.2	14.8	15.4	16.0	16.6	17.2	17.8	18.3	18.4	18.5
-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: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	10.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.2	1.4	1.3
62.5°	3.4	3.5	3.7	3.7	3.7	3.5	3.4	3.2	3.1	3.3	3.6
60°	6.6	5.8	5.6	5.6	5.6	5.8	6.6	7.1	7.4	10.8	12.7
57.5°	51.6	44.2	45.3	50.2	45.3	44.2	51.6	55.8	56.1	65.1	65.5
55°	241.0	269.0	278.9	273.4	278.9	269.0	241.0	211.3	183.0	174.3	174.3
52.5°	326.5	338.0	342.4	342.3	342.4	338.0	326.5	311.1	291.6	272.4	253.5
50°	425.1	421.2	415.2	409.2	415.2	421.2	425.1	420.6	406.0	377.5	331.9
47.5°	709.4	697.1	691.9	701.2	691.9	697.1	709.4	701.4	646.8	575.9	523.6
45°	942.6	957.0	967.7	967.2	967.7	957.0	942.6	930.6	871.3	790.2	706.8
42.5°	1075.4	1083.1	1085.4	1082.6	1085.4	1083.1	1075.4	1062.0	993.6	906.9	811.5
40°	1193.8	1203.0	1208.1	1212.8	1208.1	1203.0	1193.8	1176.2	1120.1	1039.3	949.6
37.5°	1368.4	1371.7	1364.4	1359.7	1364.4	1371.7	1368.4	1357.3	1323.5	1220.5	1147.5
35°	1796.2	1805.0	1784.7	1806.1	1784.7	1805.0	1796.2	1752.4	1700.3	1639.2	1473.1
32.5°	2206.6	2247.6	2280.9	2308.4	2280.9	2247.6	2206.6	2164.6	2129.4	2011.6	1794.4
30°	2439.0	2465.5	2479.7	2483.2	2479.7	2465.5	2439.0	2406.4	2359.6	2208.9	2008.2
27.5°	2609.7	2637.5	2654.8	2667.4	2654.8	2637.5	2609.7	2579.5	2524.9	2371.2	2174.1
25°	2774.2	2799.6	2816.9	2823.6	2816.9	2799.6	2774.2	2743.5	2676.5	2546.6	2352.4
22.5°	2944.9	2962.5	2979.1	2987.3	2979.1	2962.5	2944.9	2909.0	2836.3	2732.7	2527.0
20°	3189.5	3180.0	3195.1	3190.0	3195.1	3180.0	3189.5	3134.6	3058.1	2950.1	2751.5
17.5°	3688.2	3693.4	3703.5	3720.2	3703.5	3693.4	3688.2	3615.3	3521.9	3424.3	3148.0
15°	4315.3	4328.0	4392.1	4449.3	4392.1	4328.0	4315.3	4244.8	4085.7	3944.9	3629.7
12.5°	4587.3	4631.0	4637.8	4653.9	4637.8	4631.0	4587.3	4487.9	4380.8	4201.2	3915.2
10°	4678.2	4753.8	4752.1	4771.1	4752.1	4753.8	4678.2	4591.6	4504.2	4351.0	4051.5
7.5°	4747.0	4828.2	4862.5	4877.1	4862.5	4828.2	4747.0	4688.4	4602.1	4453.6	4147.4
5°	4831.1	4875.7	4935.0	4918.0	4935.0	4875.7	4831.1	4757.5	4648.4	4490.6	4211.4
2.5°	4866.3	4936.3	4920.2	4936.6	4920.2	4936.3	4866.3	4767.1	4666.7	4539.8	4295.5
0°	4890.1	4940.4	4947.8	4964.5	4947.8	4940.4	4890.1	4791.6	4689.3	4566.5	4319.1
-2.5°	4861.3	4905.5	4982.9	4959.0	4982.9	4905.5	4861.3	4770.9	4673.5	4549.6	4327.1
-5°	4836.0	4944.8	4902.5	4955.2	4902.5	4944.8	4836.0	4739.7	4642.9	4509.0	4276.2
-7.5°	4823.0	4842.4	4870.4	4910.6	4870.4	4842.4	4823.0	4713.4	4607.5	4466.2	4230.4
-10°	4722.0	4741.9	4793.4	4821.3	4793.4	4741.9	4722.0	4671.8	4548.4	4398.4	4172.7
-12.5°	4612.5	4651.0	4705.1	4722.7	4705.1	4651.0	4612.5	4556.8	4468.6	4305.0	4080.7
-15°	4486.4	4543.6	4596.4	4607.4	4596.4	4543.6	4486.4	4420.6	4323.1	4190.0	3969.7
-17.5°	4326.0	4394.6	4450.0	4462.3	4450.0	4394.6	4326.0	4252.4	4156.5	4037.6	3858.1
-20°	4149.2	4214.9	4262.1	4276.3	4262.1	4214.9	4149.2	4072.1	3981.6	3867.4	3698.2



REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2C-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°
-22.5°	3960.0	4019.2	4059.1	4053.1	4059.1	4019.2	3960.0	3883.4	3799.8	3695.9	3513.8
-25°	3759.2	3814.1	3852.1	3846.6	3852.1	3814.1	3759.2	3692.3	3609.4	3498.9	3335.9
-27.5°	3546.8	3598.8	3635.3	3636.5	3635.3	3598.8	3546.8	3482.4	3399.0	3287.7	3148.5
-30°	3323.6	3370.8	3400.5	3389.1	3400.5	3370.8	3323.6	3261.2	3183.8	3075.6	2928.8
-32.5°	3093.4	3136.2	3163.3	3171.4	3163.3	3136.2	3093.4	3039.2	2974.0	2874.9	2718.0
-35°	2866.4	2904.1	2927.5	2933.3	2927.5	2904.1	2866.4	2816.9	2753.3	2674.9	2520.0
-37.5°	2640.9	2673.3	2689.7	2682.2	2689.7	2673.3	2640.9	2595.3	2537.9	2470.5	2336.8
-40°	2417.9	2448.8	2467.6	2472.0	2467.6	2448.8	2417.9	2376.5	2323.3	2257.6	2150.3
-42.5°	2198.8	2224.4	2240.9	2248.8	2240.9	2224.4	2198.8	2163.1	2107.1	2034.2	1947.9
-45°	1986.1	2009.0	2024.5	2033.1	2024.5	2009.0	1986.1	1954.2	1899.6	1829.1	1748.3
-47.5°	1779.1	1799.2	1812.6	1819.2	1812.6	1799.2	1779.1	1751.1	1702.4	1632.8	1553.0
-50°	1581.3	1598.7	1611.1	1618.3	1611.1	1598.7	1581.3	1557.0	1515.5	1447.9	1372.2
-52.5°	1393.6	1408.8	1419.4	1424.8	1419.4	1408.8	1393.6	1372.5	1339.4	1275.3	1205.6
-55°	1214.4	1226.8	1236.5	1242.5	1236.5	1226.8	1214.4	1197.0	1173.2	1113.9	1049.8
-57.5°	1047.3	1057.3	1066.6	1073.3	1066.6	1057.3	1047.3	1032.5	1013.1	962.3	906.1
-60°	890.9	900.4	908.3	913.3	908.3	900.4	890.9	877.8	861.2	822.9	777.4
-62.5°	749.7	758.1	765.4	770.1	765.4	758.1	749.7	738.0	723.0	693.5	656.7
-65°	614.4	621.9	627.3	630.6	627.3	621.9	614.4	604.2	591.3	570.1	542.9
-67.5°	500.3	509.0	510.8	509.7	510.8	509.0	500.3	489.7	477.3	461.0	440.6
-70°	398.5	405.8	407.6	407.4	407.6	405.8	398.5	389.9	380.4	368.6	353.4
-72.5°	311.6	315.6	312.2	306.9	312.2	315.6	311.6	307.0	302.0	295.4	284.0
-75°	233.8	231.2	227.6	223.2	227.6	231.2	233.8	235.9	237.6	237.1	228.7
-77.5°	171.2	164.9	160.7	156.2	160.7	164.9	171.2	177.0	182.3	185.6	179.9
-80°	119.3	113.1	108.8	104.2	108.8	113.1	119.3	125.1	130.4	134.8	132.9
-82.5°	75.5	70.4	67.8	65.1	67.8	70.4	75.5	80.4	84.9	88.8	87.7
-85°	42.0	39.0	37.2	35.3	37.2	39.0	42.0	44.8	47.5	49.8	48.5
-87.5°	18.5	18.6	17.6	16.7	17.6	18.6	18.5	18.5	18.4	18.3	17.8
-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: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2C-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°	10.3	9.8	9.3	8.8	8.4	7.9	7.4	7.0	6.5	6.1	5.6
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	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.2
67.5°	0.0	0.0	0.3	0.8	1.0	1.0	0.9	1.0	1.1	1.0	1.0
65°	1.1	0.7	0.5	0.9	1.4	1.9	2.0	1.8	1.7	2.0	2.3
62.5°	3.8	3.9	3.4	2.8	2.5	2.7	3.0	3.2	2.8	2.2	2.9
60°	11.2	6.8	10.0	10.6	8.5	7.3	11.0	10.5	5.5	4.7	4.2
57.5°	53.9	45.1	49.6	45.0	30.8	26.9	27.9	26.6	24.1	14.7	6.3
55°	186.0	159.4	125.2	108.2	104.2	79.7	59.4	49.6	45.0	32.4	21.5
52.5°	236.3	219.7	193.8	158.1	139.1	132.0	112.8	90.3	71.7	57.3	41.2
50°	296.3	300.7	274.1	224.8	205.3	184.2	165.6	139.5	116.0	93.0	68.6
47.5°	483.3	450.2	423.6	386.8	316.8	272.2	242.9	200.1	167.9	140.1	110.1
45°	644.3	606.5	580.5	523.4	449.1	380.0	333.9	280.3	223.3	186.1	158.9
42.5°	758.8	709.7	667.0	620.4	549.4	471.6	408.3	355.3	295.3	235.1	198.8
40°	870.7	793.0	750.6	708.9	642.0	554.7	505.4	427.5	364.9	298.1	248.6
37.5°	1037.7	905.5	890.6	850.4	774.8	683.9	628.4	551.6	435.4	372.5	315.5
35°	1319.9	1183.7	1105.1	1065.7	967.7	851.8	760.6	688.9	573.6	449.6	384.0
32.5°	1630.8	1458.5	1339.2	1283.0	1177.8	1020.6	908.1	816.8	701.2	560.8	455.5
30°	1806.5	1649.3	1505.6	1409.5	1307.2	1172.2	1043.0	914.1	788.6	672.4	533.1
27.5°	1969.9	1773.9	1619.0	1510.6	1414.8	1284.9	1142.0	1003.9	865.9	751.2	626.9
25°	2125.5	1908.4	1739.6	1612.3	1500.9	1398.0	1236.5	1085.6	941.7	814.9	717.6
22.5°	2270.5	2069.0	1874.5	1708.0	1613.7	1503.3	1344.0	1161.2	1020.6	914.0	799.5
20°	2509.4	2283.8	2037.5	1893.4	1805.6	1635.2	1455.0	1274.2	1145.1	1023.0	888.4
17.5°	2903.1	2621.6	2327.1	2172.8	2048.5	1839.4	1609.8	1430.5	1269.2	1133.2	985.0
15°	3334.2	2971.7	2679.9	2480.7	2283.7	2038.8	1773.0	1579.3	1396.1	1243.0	1073.8
12.5°	3547.2	3202.1	2944.0	2663.3	2409.1	2187.2	1935.7	1722.1	1514.2	1314.7	1128.8
10°	3674.3	3331.4	3039.4	2759.2	2504.5	2290.9	2057.3	1804.3	1573.3	1362.2	1174.6
7.5°	3773.2	3419.9	3108.9	2829.9	2571.8	2346.5	2123.0	1857.7	1620.6	1400.5	1211.4
5°	3841.6	3488.8	3173.5	2891.4	2619.7	2386.5	2171.7	1898.2	1655.8	1429.6	1239.3
2.5°	3912.1	3542.4	3213.9	2931.1	2650.3	2411.8	2201.2	1929.1	1684.4	1451.3	1262.6
0°	3939.6	3573.2	3242.1	2951.9	2667.4	2421.8	2209.8	1949.4	1703.8	1463.9	1277.9
-2.5°	3957.3	3583.3	3253.1	2965.4	2690.0	2437.7	2219.4	1972.2	1710.0	1477.5	1282.2
-5°	3930.5	3571.4	3243.9	2954.3	2690.5	2439.0	2212.7	1975.6	1708.4	1481.1	1278.8
-7.5°	3897.5	3539.9	3208.7	2924.6	2671.1	2422.2	2192.7	1960.8	1702.6	1475.2	1272.5
-10°	3841.8	3489.7	3174.4	2893.7	2637.0	2386.3	2163.5	1932.7	1683.6	1458.3	1257.8
-12.5°	3767.4	3426.3	3114.9	2837.3	2591.0	2349.4	2131.3	1893.9	1651.1	1430.2	1234.4
-15°	3669.2	3343.3	3041.2	2770.6	2532.4	2301.4	2083.4	1851.0	1619.5	1395.5	1202.3
-17.5°	3561.7	3233.8	2936.3	2681.4	2455.4	2236.5	2022.5	1805.9	1583.0	1363.0	1173.4
-20°	3439.6	3117.6	2822.9	2575.9	2362.6	2155.2	1957.3	1755.5	1532.4	1325.6	1143.1

Classified

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

Scaled Data Report



REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	3264.0	2979.6	2709.4	2467.1	2263.3	2073.4	1882.9	1687.7	1466.8	1278.7	1101.8
-25°	3090.4	2826.0	2583.1	2360.4	2163.5	1983.2	1797.9	1604.4	1408.4	1223.7	1051.3
-27.5°	2920.4	2675.6	2433.6	2233.4	2056.6	1880.5	1706.3	1523.3	1342.8	1161.8	1003.9
-30°	2737.0	2508.0	2289.8	2101.9	1934.6	1771.6	1614.9	1444.1	1266.5	1094.7	952.7
-32.5°	2535.6	2334.6	2142.3	1965.4	1809.0	1664.6	1515.9	1354.0	1178.5	1032.1	893.5
-35°	2340.1	2154.5	1988.6	1832.6	1690.6	1558.4	1414.5	1252.3	1098.3	960.8	826.6
-37.5°	2165.1	1984.3	1830.7	1696.3	1577.6	1452.3	1308.9	1165.0	1020.1	881.5	764.4
-40°	1984.1	1815.4	1678.9	1569.6	1456.1	1343.4	1217.1	1083.2	940.3	804.9	703.4
-42.5°	1808.5	1672.4	1537.9	1428.5	1326.8	1234.4	1127.9	992.8	861.4	743.8	646.2
-45°	1636.7	1513.1	1390.3	1290.5	1205.9	1119.3	1024.0	901.2	783.2	682.3	590.3
-47.5°	1460.1	1356.0	1253.6	1160.9	1085.2	1001.1	909.2	805.2	708.5	617.5	536.0
-50°	1290.6	1206.2	1123.2	1042.9	966.3	884.3	802.1	718.2	631.9	552.6	478.6
-52.5°	1130.9	1061.0	991.0	920.7	853.8	782.0	706.2	631.5	555.6	489.4	423.3
-55°	980.9	920.9	865.4	809.0	752.6	687.8	619.4	552.2	491.6	430.7	376.9
-57.5°	847.9	795.3	751.1	705.1	657.4	600.1	541.6	484.7	434.5	384.1	334.2
-60°	730.5	684.6	646.7	606.6	564.3	516.4	469.9	424.9	381.4	340.3	297.4
-62.5°	619.5	582.5	548.4	514.4	480.0	443.7	404.0	367.7	334.1	299.5	260.6
-65°	514.7	485.7	457.0	429.6	401.3	372.1	340.5	311.8	284.3	256.1	222.6
-67.5°	418.9	396.2	373.0	350.1	328.0	304.9	280.9	256.9	234.5	211.5	184.3
-70°	337.2	320.1	302.1	283.0	264.7	246.6	228.0	208.6	188.1	169.3	150.7
-72.5°	272.2	259.9	246.4	230.9	214.5	198.9	183.8	168.6	153.1	137.0	120.8
-75°	220.0	211.0	200.7	187.8	174.5	160.9	148.2	135.1	120.9	105.4	90.2
-77.5°	174.2	168.7	162.3	152.0	141.6	131.0	119.7	105.5	91.0	76.7	64.2
-80°	130.6	128.0	124.2	115.2	106.2	97.3	87.8	75.4	63.1	51.6	42.3
-82.5°	86.2	84.4	82.0	76.0	70.1	64.3	58.3	49.7	41.5	33.7	26.8
-85°	47.1	45.5	43.9	41.0	38.2	35.4	32.5	27.8	23.3	19.2	15.4
-87.5°	17.2	16.6	16.0	15.4	14.8	14.2	13.5	12.1	10.8	9.5	8.2
-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: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.1	4.7	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6
82.5°	0.0	0.0	0.0	0.0	0.3	0.5	0.6	0.5	0.3	0.0	0.1
80°	0.0	0.0	0.0	0.1	0.5	1.0	1.3	1.3	1.0	0.7	0.4
77.5°	0.0	0.0	0.0	0.0	0.2	0.5	1.1	1.7	1.7	1.3	0.9
75°	0.0	0.0	0.0	0.1	0.1	0.0	0.4	1.0	1.5	1.9	1.5
72.5°	0.0	0.0	0.0	0.2	0.5	0.5	0.3	0.3	1.1	1.6	1.9
70°	0.3	0.1	0.0	0.3	0.8	1.2	1.1	0.9	0.7	1.4	1.8
67.5°	0.9	1.0	0.7	0.5	0.9	1.3	1.8	1.7	1.5	1.2	1.7
65°	2.2	2.0	1.9	1.6	1.4	1.4	1.9	2.3	2.2	1.9	1.7
62.5°	3.3	3.2	3.0	2.7	2.4	2.1	2.0	2.6	2.8	2.5	2.1
60°	4.2	4.4	4.2	3.8	3.4	3.0	2.8	2.9	3.3	3.1	2.7
57.5°	5.8	5.6	5.5	5.0	4.4	4.0	3.7	3.7	3.7	3.7	3.2
55°	10.2	7.1	7.2	6.6	5.7	4.9	4.7	4.5	4.3	4.2	3.7
52.5°	25.8	14.3	9.2	8.5	7.4	6.1	5.7	5.4	5.1	4.9	4.3
50°	47.7	30.9	17.5	11.0	9.4	8.0	6.6	6.3	5.9	5.5	4.8
47.5°	76.3	53.1	34.5	17.3	12.1	10.0	8.3	7.1	6.7	6.2	5.4
45°	117.6	78.2	54.3	34.3	16.1	13.8	10.2	8.0	7.4	6.8	5.9
42.5°	163.7	114.8	76.1	51.8	30.8	19.0	12.3	9.7	8.2	7.5	6.4
40°	208.8	158.6	102.2	71.4	46.4	25.5	17.6	11.6	9.0	8.3	7.1
37.5°	258.7	205.0	143.2	92.3	62.3	39.0	24.2	13.5	10.2	9.1	7.7
35°	320.5	256.5	184.2	123.0	82.5	51.4	31.4	17.2	12.6	9.9	8.4
32.5°	382.2	307.9	228.5	158.6	103.6	62.9	40.9	24.6	15.3	10.7	9.1
30°	444.3	354.9	270.3	191.7	127.9	81.4	51.1	31.7	18.5	11.6	9.8
27.5°	500.2	399.4	309.4	226.2	156.4	100.8	61.7	38.6	22.0	13.2	10.5
25°	563.4	447.4	347.8	259.2	182.5	121.1	72.6	45.4	27.1	15.9	11.3
22.5°	644.6	496.7	383.4	289.1	208.3	140.5	86.7	54.4	32.7	18.7	12.0
20°	725.4	544.9	418.4	326.5	236.4	162.4	102.9	63.2	38.0	21.6	12.7
17.5°	804.7	606.6	469.1	364.8	266.4	182.8	118.1	72.0	43.0	24.6	13.5
15°	875.8	677.4	519.1	401.0	295.8	201.7	132.1	80.5	47.7	27.7	14.4
12.5°	935.5	738.3	566.1	434.8	324.2	219.0	145.0	88.6	52.0	31.0	15.7
10°	984.8	789.9	609.6	466.1	350.9	234.5	156.5	96.8	57.1	34.5	17.0
7.5°	1024.2	832.5	649.3	494.5	375.2	249.0	169.0	105.4	62.0	37.9	18.4
5°	1053.8	865.7	679.9	514.9	394.5	262.4	180.4	113.3	66.5	41.1	19.8
2.5°	1073.1	890.2	702.6	530.9	410.2	273.6	190.5	120.3	70.7	44.0	21.1
0°	1084.4	907.7	719.8	543.1	422.2	282.7	199.0	126.5	74.4	46.5	22.3
-2.5°	1094.6	919.2	734.8	564.5	430.5	297.6	204.5	132.0	80.3	48.4	24.6
-5°	1097.9	924.3	744.7	581.0	435.5	309.7	208.3	136.6	85.4	49.8	26.7
-7.5°	1092.3	921.2	748.2	590.4	437.8	318.3	210.6	140.1	89.6	51.0	28.5
-10°	1079.7	911.3	743.6	587.6	440.9	320.9	211.9	142.7	92.7	51.9	30.0
-12.5°	1061.0	896.2	733.8	581.3	440.4	319.2	215.4	144.7	94.3	52.5	31.1
-15°	1036.6	876.5	718.8	572.1	435.1	315.4	216.2	145.5	94.1	53.6	31.8
-17.5°	1007.8	852.6	698.8	560.4	424.8	309.6	214.3	144.6	93.2	55.2	32.5
-20°	979.0	826.0	675.0	546.5	409.2	302.1	209.3	141.9	91.5	56.2	33.1

Classified

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

Scaled Data Report



REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-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°	945.3	795.6	654.5	527.2	392.4	293.1	201.2	137.4	89.0	56.6	33.4
-25°	906.5	760.0	629.9	500.6	379.1	282.8	192.8	131.0	85.9	56.5	33.3
-27.5°	862.6	722.0	600.8	471.4	365.3	268.5	184.8	126.3	83.2	55.7	32.8
-30°	813.7	686.2	566.1	443.3	348.5	253.1	174.3	121.0	82.0	54.6	31.9
-32.5°	761.0	645.9	528.7	422.0	329.3	237.1	165.1	115.0	79.9	53.3	32.0
-35°	711.5	602.0	490.5	397.3	309.0	227.6	158.9	108.4	77.0	51.4	32.1
-37.5°	658.5	556.0	460.3	371.6	287.6	216.6	153.9	105.5	73.3	49.1	32.0
-40°	607.5	512.4	425.4	347.1	271.8	204.3	146.1	102.1	69.7	46.2	31.6
-42.5°	555.9	471.4	392.0	320.5	256.8	192.4	136.0	97.1	66.8	44.5	30.9
-45°	508.4	429.0	356.4	297.3	240.2	177.2	128.3	90.7	63.2	43.3	30.2
-47.5°	458.5	385.9	324.0	271.8	218.5	160.7	118.4	85.7	59.0	41.8	29.8
-50°	407.0	345.1	293.6	243.8	191.9	146.9	107.9	79.7	57.4	40.5	29.0
-52.5°	361.9	309.2	262.5	215.0	171.8	130.7	99.9	73.3	55.4	39.5	28.0
-55°	323.1	275.1	231.8	191.5	152.7	118.9	90.9	70.3	52.9	38.2	26.7
-57.5°	288.8	243.5	206.7	170.5	136.8	107.5	84.6	66.6	50.3	36.4	25.6
-60°	255.4	218.3	183.9	151.6	122.0	97.6	79.6	62.5	47.1	34.1	24.4
-62.5°	224.6	191.9	162.0	132.8	108.6	89.6	73.9	57.6	43.4	31.3	22.7
-65°	192.3	164.4	139.1	116.2	96.5	80.2	66.6	52.1	38.5	27.9	20.6
-67.5°	158.6	138.2	118.5	99.3	83.3	69.6	58.1	44.7	32.8	24.0	18.1
-70°	132.1	114.1	97.4	82.4	69.3	58.1	47.5	36.2	26.5	20.5	15.4
-72.5°	105.2	90.5	76.8	64.9	55.5	46.0	36.4	27.7	22.0	16.9	12.6
-75°	77.8	67.9	59.0	50.7	42.3	34.0	27.7	22.0	17.3	13.2	10.6
-77.5°	56.5	49.3	42.7	37.5	31.7	26.2	20.9	16.2	13.1	10.9	8.9
-80°	38.4	34.6	31.0	27.3	22.6	18.2	15.1	12.4	10.5	8.8	7.2
-82.5°	24.2	22.2	20.4	18.5	15.8	13.3	11.2	9.3	7.9	6.6	5.8
-85°	14.3	13.3	12.2	11.2	9.7	8.3	7.7	7.1	6.5	5.9	5.3
-87.5°	8.1	8.0	7.9	7.7	7.3	7.0	6.6	6.4	5.8	5.3	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4

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REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.7	3.3	2.8	2.3	1.9	1.9	1.9
87.5°	1.4	1.6	1.7	1.8	1.9	1.9	1.9
85°	0.9	1.3	1.6	1.8	1.9	1.9	1.9
82.5°	0.4	1.0	1.4	1.7	1.9	1.9	1.9
80°	0.1	0.7	1.3	1.7	1.9	1.9	1.9
77.5°	0.6	0.6	1.1	1.6	1.9	1.9	1.9
75°	1.1	0.9	1.0	1.6	1.9	1.9	1.9
72.5°	1.5	1.2	1.2	1.5	1.9	1.9	1.9
70°	1.9	1.5	1.4	1.5	1.9	1.9	1.9
67.5°	2.0	1.8	1.5	1.6	1.9	1.9	1.9
65°	2.0	2.0	1.7	1.6	1.9	1.9	1.9
62.5°	2.1	2.1	1.8	1.7	1.9	1.9	1.9
60°	2.2	2.3	1.9	1.8	1.9	1.9	1.9
57.5°	2.7	2.4	2.1	1.8	1.9	1.9	1.9
55°	3.1	2.6	2.2	1.8	1.9	1.9	1.9
52.5°	3.6	2.9	2.4	1.9	2.0	1.9	1.9
50°	4.0	3.2	2.6	1.9	2.0	1.9	1.9
47.5°	4.5	3.6	2.8	1.9	2.1	1.9	1.9
45°	4.9	4.0	3.1	2.1	2.1	1.9	1.9
42.5°	5.3	4.3	3.3	2.3	2.2	1.9	1.9
40°	5.8	4.7	3.5	2.5	2.2	1.9	1.9
37.5°	6.2	5.0	3.8	2.7	2.3	1.9	1.9
35°	6.5	5.3	4.1	3.0	2.4	1.9	1.9
32.5°	7.0	5.6	4.3	3.2	2.5	1.9	1.9
30°	7.5	5.9	4.6	3.4	2.6	1.9	1.9
27.5°	8.1	6.2	4.9	3.7	2.6	1.9	1.9
25°	8.6	6.5	5.2	3.9	2.7	1.9	1.9
22.5°	9.2	6.8	5.4	4.1	2.8	1.9	1.9
20°	9.7	7.1	5.7	4.3	2.9	1.9	1.9
17.5°	10.3	7.4	6.0	4.5	3.0	1.9	1.9
15°	10.8	7.7	6.2	4.7	3.1	1.9	1.9
12.5°	11.3	8.0	6.4	4.8	3.2	1.9	1.9
10°	11.7	8.3	6.7	5.0	3.3	1.9	1.9
7.5°	12.1	8.6	6.9	5.2	3.4	1.9	1.9
5°	12.4	8.8	7.1	5.3	3.5	1.9	1.9
2.5°	12.7	9.1	7.2	5.5	3.6	1.9	1.9
0°	13.0	9.3	7.4	5.6	3.7	1.9	1.9
-2.5°	13.7	9.5	7.6	5.6	3.7	1.9	1.9
-5°	14.4	9.7	7.7	5.6	3.7	1.9	1.9
-7.5°	15.0	9.8	7.8	5.6	3.7	1.9	1.9
-10°	15.5	10.0	7.9	5.5	3.6	1.9	1.9
-12.5°	15.8	10.1	8.0	5.5	3.6	1.9	1.9
-15°	16.1	10.2	8.0	5.4	3.6	1.9	1.9
-17.5°	16.1	10.3	8.0	5.3	3.5	1.9	1.9
-20°	16.6	10.4	8.0	5.3	3.5	1.9	1.9

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REPORT NUMBER: P626890 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2C-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.6	10.4	7.9	5.2	3.4	1.9	1.9
-25°	18.5	11.1	7.7	5.1	3.4	1.9	1.9
-27.5°	19.2	12.0	7.5	5.0	3.3	1.9	1.9
-30°	19.6	12.7	7.4	4.8	3.2	1.9	1.9
-32.5°	19.9	13.3	7.6	4.7	3.1	1.9	1.9
-35°	20.4	13.8	7.8	4.6	3.0	1.9	1.9
-37.5°	21.0	14.1	8.0	4.4	3.0	1.9	1.9
-40°	21.3	14.2	8.0	4.3	2.9	1.9	1.9
-42.5°	21.4	14.2	8.1	4.2	2.8	1.9	1.9
-45°	21.3	14.1	8.1	4.2	2.6	1.9	1.9
-47.5°	21.0	13.9	8.1	4.2	2.5	1.9	1.9
-50°	20.5	13.6	7.9	4.1	2.4	1.9	1.9
-52.5°	20.0	13.2	7.7	4.0	2.3	1.9	1.9
-55°	19.3	12.6	7.3	3.9	2.2	1.9	1.9
-57.5°	18.4	11.9	6.9	3.8	2.0	1.9	1.9
-60°	17.4	11.1	6.4	3.6	1.9	1.9	1.9
-62.5°	16.0	10.2	6.1	3.4	1.9	1.9	1.9
-65°	14.4	9.1	5.7	3.2	1.9	1.9	1.9
-67.5°	12.7	8.2	5.3	3.0	1.9	1.9	1.9
-70°	10.8	7.5	4.8	2.7	1.9	1.9	1.9
-72.5°	9.6	6.7	4.3	2.7	1.9	1.9	1.9
-75°	8.3	5.8	3.7	2.6	1.9	1.9	1.9
-77.5°	7.0	4.9	3.5	2.6	1.9	1.9	1.9
-80°	5.7	4.4	3.4	2.6	1.9	1.9	1.9
-82.5°	5.1	4.1	3.3	2.5	1.9	1.9	1.9
-85°	4.7	3.9	3.1	2.5	1.9	1.9	1.9
-87.5°	4.2	3.6	3.0	2.4	1.9	1.9	1.9
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)