

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: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-722-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627610 (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-SA5C-722-U-VWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

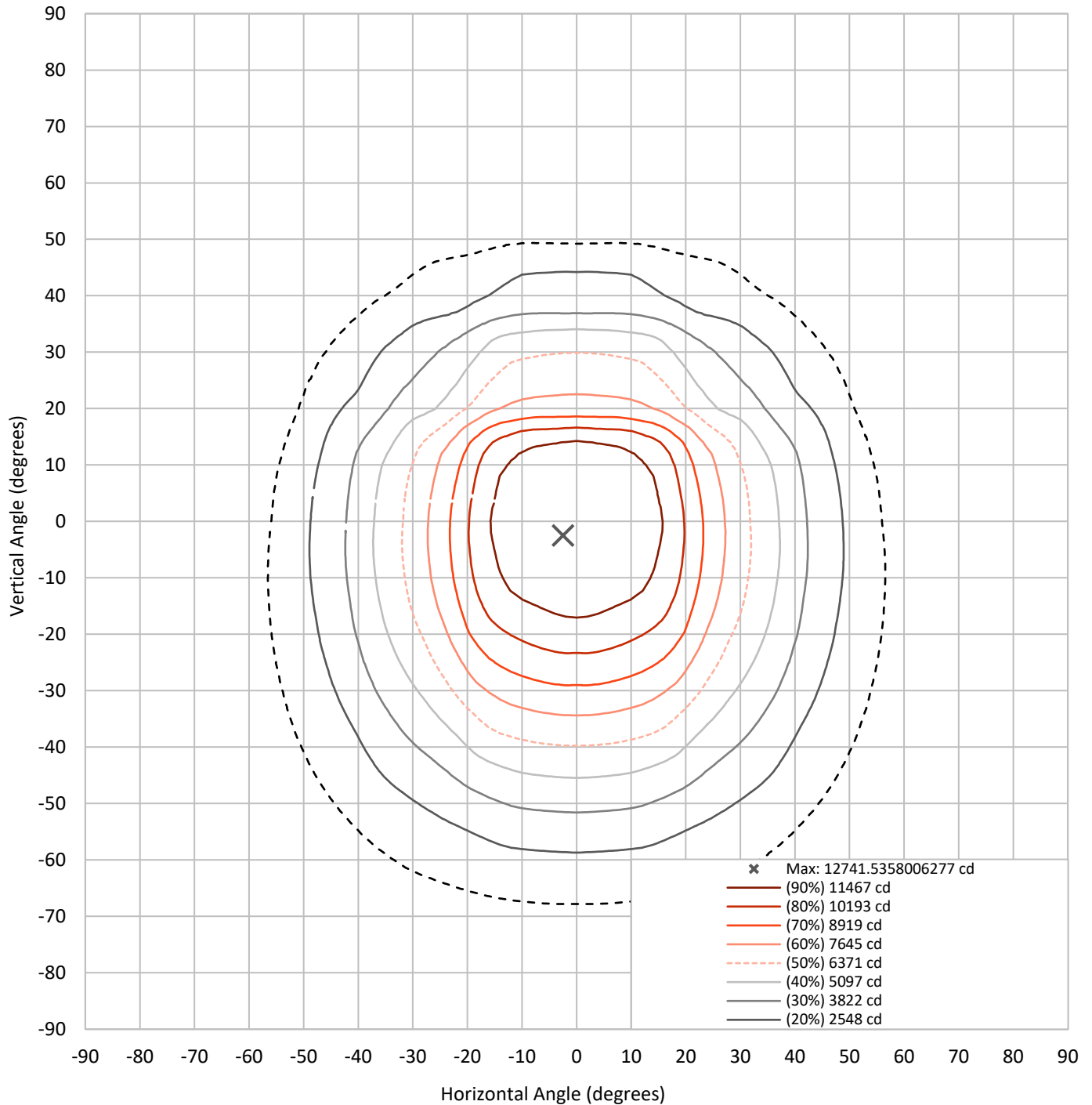
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17004 lumens	Max Intensity:	12741.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	82.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' 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:	9838 lumens	Field Lumens:	16135.7 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	206.1		
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: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





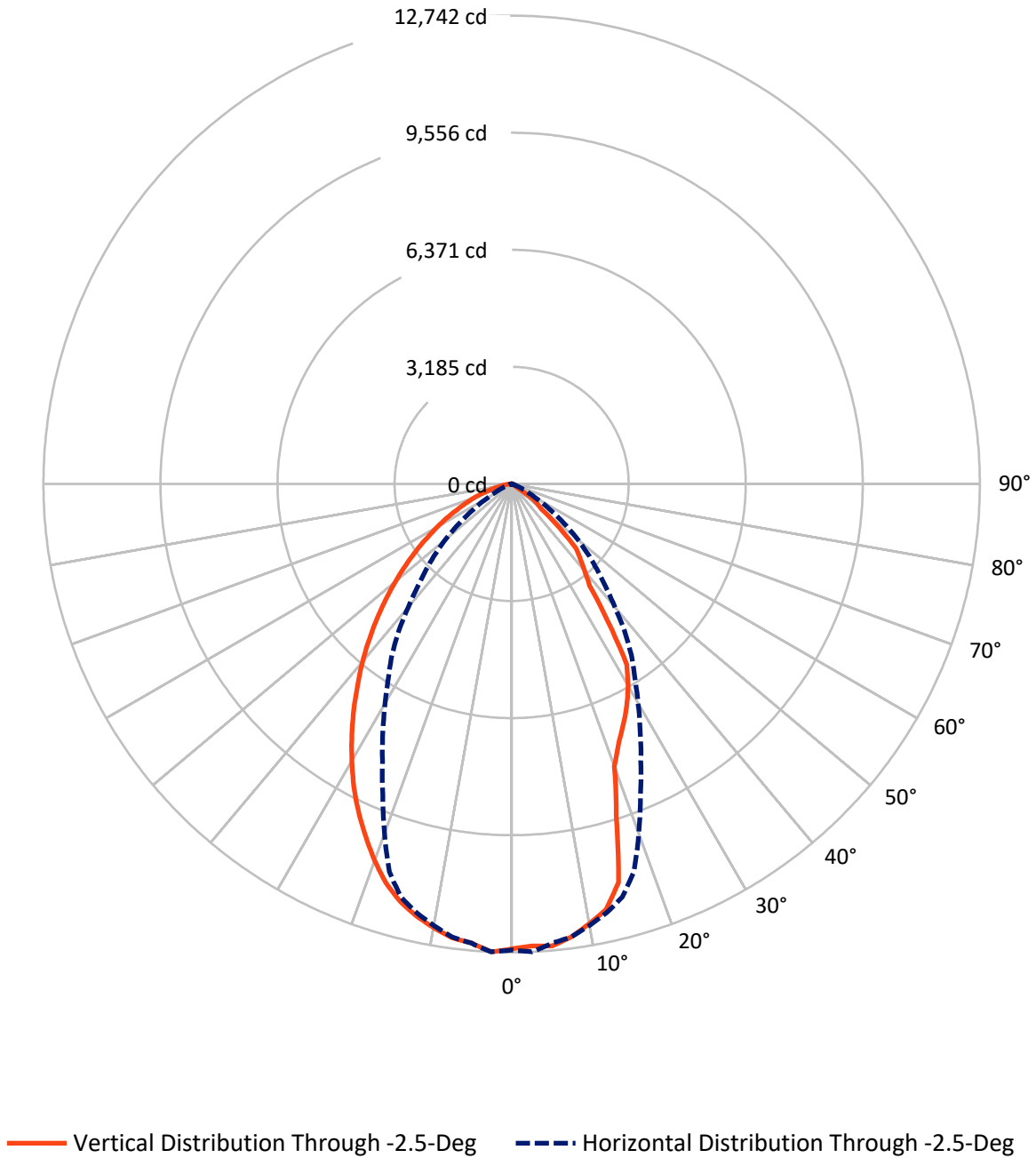
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.2	0.3	1.6	4.6	8.9	13.3	16.5	16.5	13.3	8.9	4.6	1.6	0.3	0.2				
40	0.3	0.3	1.9	8.7	21.1	38.0	56.1	68.6	68.6	56.1	38.0	21.1	8.7	1.9	0.3	0.3	0.3	0.3	
30		0.8	6.3	22.1	49.3	79.9	119.8	140.1	140.1	119.8	79.9	49.3	22.1	6.3	0.8				
20	0.5	1.9	12.2	39.1	79.4	125.9	188.8	217.1	217.1	188.8	125.9	79.4	39.1	12.2	1.9	0.5	0.5	0.5	
10		3.2	18.8	57.9	114.4	188.3	280.3	321.4	321.4	280.3	188.3	114.4	57.9	18.8	3.2				
0	0.9	4.4	24.3	68.8	136.8	225.0	330.9	375.6	375.6	330.9	225.0	136.8	68.8	24.3	4.4	0.9	0.9	0.9	
-10		5.2	26.9	71.4	140.5	230.1	333.4	377.0	377.0	333.4	230.1	140.5	71.4	26.9	5.2				
-20	1.1	5.5	26.3	67.6	132.5	215.5	309.4	349.6	349.6	309.4	215.5	132.5	67.6	26.3	5.5	1.1	1.1	1.1	
-30		5.0	23.0	59.0	114.4	183.2	259.4	293.8	293.8	259.4	183.2	114.4	59.0	23.0	5.0				
-40	1.1	4.2	18.3	46.4	90.0	141.3	198.1	224.3	224.3	198.1	141.3	90.0	46.4	18.3	4.2	1.1	1.1	1.1	
-50		3.3	13.5	33.1	64.5	99.4	137.1	155.6	155.6	137.1	99.4	64.5	33.1	13.5	3.3				
-60	0.8	2.5	8.9	21.2	40.1	61.7	83.8	95.6	95.6	83.8	61.7	40.1	21.2	8.9	2.5	0.8	0.8	0.8	
-70		1.8	5.4	12.4	22.0	32.7	43.3	49.1	49.1	43.3	32.7	22.0	12.4	5.4	1.8				
-80	0.3	4.0	18.3	40.0	44.7	40.0	18.3	4.0	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

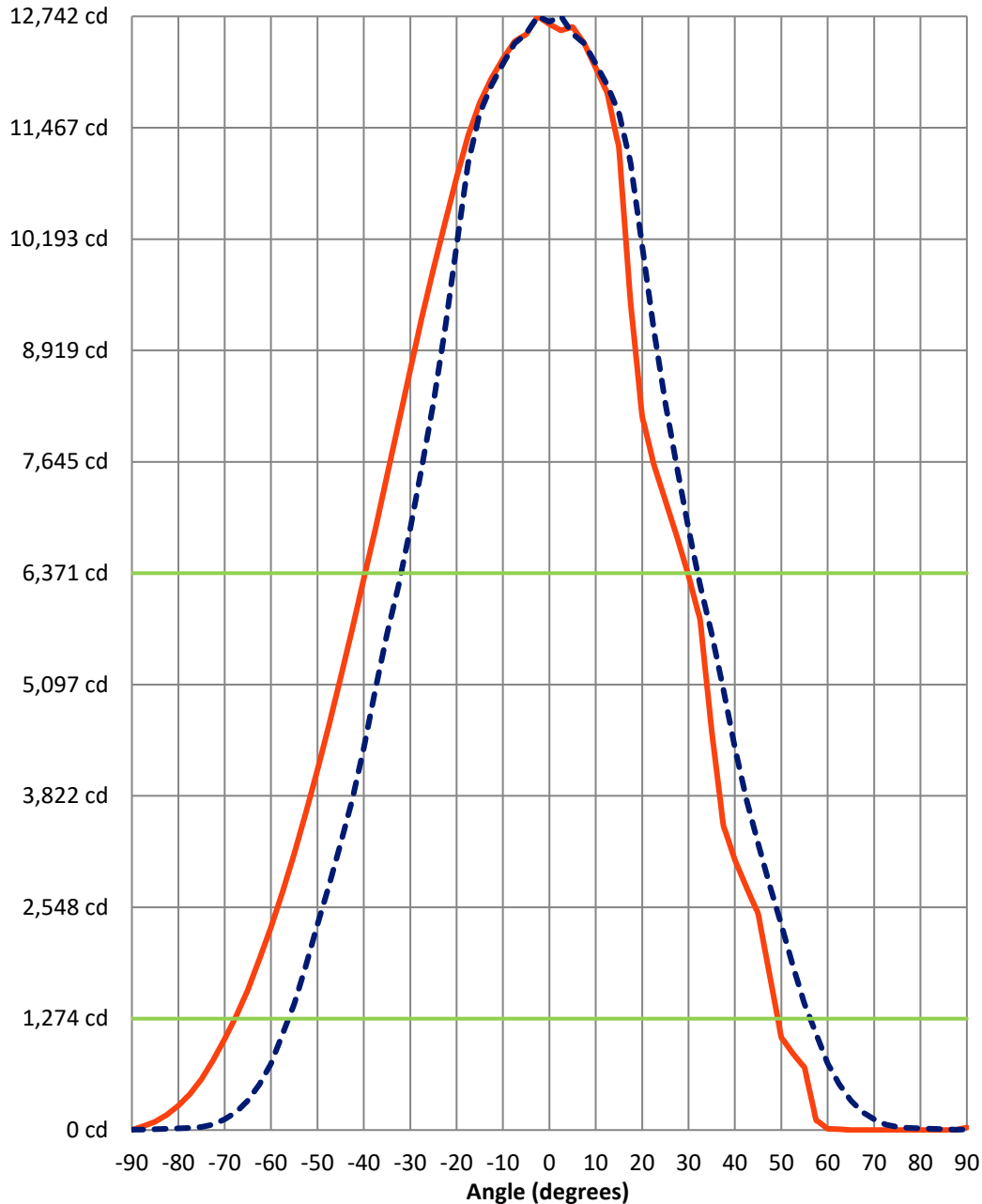
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 9838
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 16135.7
 Efficiency: 94.9%

Spill:
 Lumens: 868.3
 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°	4.8	4.8	4.8	6.0	7.2	8.3	9.5	10.7	11.9	13.1	14.3
87.5°	4.8	4.8	4.8	4.6	4.4	4.0	3.6	2.5	1.6	0.7	0.0
85°	4.8	4.8	4.8	4.5	4.0	3.3	2.3	1.4	0.8	0.3	0.0
82.5°	4.8	4.8	4.8	4.3	3.6	2.5	1.1	0.4	0.1	0.7	1.3
80°	4.8	4.8	4.8	4.2	3.2	1.8	0.2	0.9	1.7	2.5	3.3
77.5°	4.8	4.8	4.8	4.1	2.8	1.6	1.5	2.4	3.4	4.3	4.3
75°	4.8	4.8	4.8	4.0	2.6	2.4	2.7	3.8	4.7	3.9	2.5
72.5°	4.8	4.8	4.8	3.9	3.0	3.1	3.8	4.7	4.1	2.8	0.8
70°	4.8	4.8	4.8	3.8	3.4	3.8	4.8	4.5	3.5	1.8	2.2
67.5°	4.8	4.8	4.8	4.0	3.8	4.5	4.9	4.4	3.1	3.7	4.3
65°	4.8	4.8	4.8	4.2	4.2	5.0	5.1	4.4	4.8	5.6	5.9
62.5°	4.8	4.8	4.8	4.3	4.5	5.3	5.4	5.4	6.4	7.2	6.6
60°	4.8	4.8	4.8	4.4	4.8	5.7	5.7	6.8	8.0	8.3	7.5
57.5°	4.8	4.8	4.9	4.5	5.2	6.2	6.8	8.2	9.4	9.6	9.3
55°	4.8	4.8	4.9	4.6	5.7	6.7	8.0	9.6	10.9	11.1	11.6
52.5°	4.8	4.8	5.0	4.7	6.2	7.3	9.2	11.0	12.4	13.1	13.8
50°	4.8	4.8	5.1	4.8	6.7	8.3	10.3	12.4	14.1	15.1	16.0
47.5°	4.8	4.8	5.2	4.9	7.3	9.2	11.5	13.7	15.9	17.1	18.3
45°	4.8	4.8	5.4	5.3	7.8	10.1	12.6	15.0	17.5	19.1	20.5
42.5°	4.8	4.8	5.5	5.8	8.4	11.1	13.7	16.5	19.3	21.1	24.9
40°	4.8	4.8	5.7	6.3	9.1	11.9	14.7	18.1	21.2	23.1	29.7
37.5°	4.8	4.8	5.9	7.0	9.8	12.8	15.8	19.7	23.2	26.2	34.6
35°	4.8	4.8	6.1	7.6	10.4	13.6	16.8	21.4	25.3	32.2	44.0
32.5°	4.8	4.8	6.3	8.2	11.1	14.4	17.8	23.2	27.5	39.2	62.8
30°	4.8	4.8	6.5	8.8	11.7	15.2	19.3	25.0	29.7	47.3	81.0
27.5°	4.8	4.8	6.8	9.3	12.4	15.9	20.7	26.9	33.7	56.2	98.7
25°	4.8	4.8	7.0	9.9	13.2	16.6	22.1	28.8	40.6	69.2	116.0
22.5°	4.8	4.8	7.3	10.4	13.9	17.3	23.5	30.6	47.8	83.4	138.9
20°	4.8	4.8	7.5	11.0	14.6	18.2	24.8	32.5	55.3	97.0	161.7
17.5°	4.8	4.8	7.8	11.5	15.3	19.0	26.2	34.4	63.0	109.8	184.0
15°	4.8	4.8	8.0	11.9	15.9	19.8	27.5	36.8	70.7	121.8	205.8
12.5°	4.8	4.8	8.3	12.4	16.5	20.6	28.7	40.1	79.2	132.9	226.6
10°	4.8	4.8	8.6	12.8	17.1	21.3	29.9	43.6	88.3	145.9	247.4
7.5°	4.8	4.8	8.8	13.2	17.6	22.0	30.9	47.1	96.9	158.4	269.4
5°	4.8	4.8	9.1	13.6	18.1	22.6	31.8	50.6	105.0	170.1	289.6
2.5°	4.8	4.8	9.3	14.0	18.6	23.2	32.6	54.0	112.4	180.8	307.7
0°	4.8	4.8	9.5	14.3	19.0	23.8	33.3	57.1	118.9	190.3	323.4
-2.5°	4.8	4.8	9.5	14.3	19.4	24.3	35.2	62.9	123.6	205.3	337.6
-5°	4.8	4.8	9.5	14.2	19.8	24.7	36.8	68.2	127.4	218.5	349.2
-7.5°	4.8	4.8	9.4	14.2	20.1	25.2	38.3	72.8	130.4	229.2	358.2
-10°	4.8	4.8	9.4	14.1	20.3	25.5	39.6	76.7	132.6	237.0	364.9
-12.5°	4.8	4.8	9.3	14.0	20.4	25.8	40.5	79.5	134.1	241.0	370.1
-15°	4.8	4.8	9.2	13.8	20.5	26.1	41.1	81.3	136.9	240.6	372.0
-17.5°	4.8	4.8	9.1	13.6	20.5	26.3	41.3	83.0	141.0	238.2	369.7
-20°	4.8	4.8	8.9	13.4	20.4	26.4	42.3	84.7	143.6	233.8	362.9

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REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	4.8	4.8	8.8	13.2	20.1	26.5	45.0	85.5	144.8	227.5	351.4
-25°	4.8	4.8	8.6	12.9	19.8	28.3	47.3	85.2	144.4	219.5	334.9
-27.5°	4.8	4.8	8.4	12.7	19.3	30.5	49.0	83.9	142.4	212.6	322.9
-30°	4.8	4.8	8.2	12.4	18.8	32.4	50.2	81.6	139.7	209.5	309.4
-32.5°	4.8	4.8	8.0	12.0	19.5	34.0	50.8	81.7	136.3	204.3	294.1
-35°	4.8	4.8	7.8	11.7	20.0	35.2	52.2	82.2	131.6	196.9	277.2
-37.5°	4.8	4.8	7.6	11.3	20.4	36.0	53.6	81.8	125.5	187.4	269.7
-40°	4.8	4.8	7.3	10.9	20.5	36.3	54.4	80.8	118.1	178.2	261.2
-42.5°	4.8	4.8	7.0	10.7	20.6	36.3	54.7	78.9	113.8	170.8	248.2
-45°	4.8	4.8	6.7	10.7	20.7	36.0	54.4	77.2	110.8	161.7	232.0
-47.5°	4.8	4.8	6.4	10.7	20.6	35.5	53.6	76.1	106.8	150.8	219.1
-50°	4.8	4.8	6.1	10.5	20.2	34.7	52.5	74.2	103.6	146.9	203.8
-52.5°	4.8	4.8	5.8	10.3	19.6	33.6	51.0	71.6	101.0	141.7	187.4
-55°	4.8	4.8	5.5	10.1	18.7	32.2	49.2	68.3	97.6	135.3	179.6
-57.5°	4.8	4.8	5.1	9.7	17.7	30.5	47.0	65.5	93.0	128.5	170.4
-60°	4.8	4.8	4.8	9.3	16.4	28.4	44.4	62.3	87.2	120.5	159.7
-62.5°	4.8	4.8	4.8	8.8	15.5	26.0	40.8	58.0	80.0	111.0	147.2
-65°	4.8	4.8	4.8	8.2	14.5	23.3	36.8	52.6	71.2	98.5	133.1
-67.5°	4.8	4.8	4.8	7.6	13.4	20.9	32.4	46.1	61.1	83.9	114.4
-70°	4.8	4.8	4.8	6.9	12.2	19.0	27.5	39.3	52.4	67.6	92.5
-72.5°	4.8	4.8	4.8	6.7	10.9	17.0	24.3	32.1	43.2	56.1	70.8
-75°	4.8	4.8	4.8	6.7	9.5	14.8	21.2	27.1	33.6	44.2	56.3
-77.5°	4.8	4.8	4.8	6.6	9.0	12.5	17.9	22.8	27.9	33.5	41.3
-80°	4.8	4.8	4.8	6.5	8.7	11.3	14.5	18.4	22.5	27.0	31.8
-82.5°	4.8	4.8	4.8	6.4	8.3	10.6	13.1	14.9	17.0	20.3	23.9
-85°	4.8	4.8	4.8	6.3	8.0	9.9	11.9	13.5	15.1	16.7	18.2
-87.5°	4.8	4.8	4.8	6.1	7.6	9.1	10.7	12.1	13.5	14.9	16.3
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	3.6	2.4	1.2	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°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	15.5	16.7	17.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.4	1.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.2	2.6	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.7	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.0	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.8	1.4	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.7	2.9	2.0	0.8	0.0	0.3	0.7	0.5	0.0	0.2	0.6
67.5°	4.5	3.3	2.2	1.4	1.8	2.4	2.3	2.4	2.6	2.8	2.4
65°	4.7	3.5	3.6	4.2	4.7	5.2	5.6	5.9	5.0	4.3	4.4
62.5°	5.0	5.4	6.2	7.0	7.7	8.3	8.3	7.4	5.7	7.1	8.1
60°	7.1	7.8	8.8	9.7	10.7	11.2	10.7	10.8	12.0	14.0	26.8
57.5°	9.5	10.2	11.4	12.9	14.2	14.4	14.8	16.1	37.7	61.6	68.0
55°	12.0	12.5	14.6	16.9	18.3	18.2	26.1	55.0	83.0	115.0	126.8
52.5°	14.5	15.5	18.9	21.8	23.5	36.7	66.1	105.3	146.7	183.4	230.8
50°	16.9	20.4	23.9	28.1	44.7	79.0	122.0	175.6	237.9	296.5	356.7
47.5°	21.2	25.5	30.9	44.3	88.3	135.8	195.3	281.4	358.3	429.3	511.7
45°	26.2	35.2	41.2	87.7	138.7	200.1	300.8	406.1	475.8	570.9	716.8
42.5°	31.4	48.7	78.6	132.4	194.6	293.6	418.5	508.2	601.0	755.1	908.4
40°	45.1	65.3	118.6	182.5	261.4	405.7	533.9	635.5	762.2	933.0	1093.1
37.5°	61.8	99.6	159.3	236.0	366.2	524.4	661.6	806.8	952.5	1113.5	1410.5
35°	80.3	131.5	211.0	314.5	471.1	655.9	819.6	981.8	1149.7	1466.8	1761.5
32.5°	104.5	160.8	265.0	405.7	584.4	787.3	977.3	1164.8	1434.1	1793.0	2088.6
30°	130.5	208.0	327.1	490.2	691.1	907.6	1136.1	1363.1	1719.5	2016.5	2337.5
27.5°	157.7	257.8	400.0	578.3	791.0	1021.2	1279.0	1603.0	1920.8	2214.2	2567.0
25°	185.7	309.7	466.7	662.7	889.3	1144.0	1440.5	1835.1	2083.7	2408.0	2775.9
22.5°	221.6	359.3	532.7	739.1	980.4	1270.1	1648.3	2044.5	2337.1	2609.8	2969.2
20°	263.1	415.2	604.5	834.9	1069.7	1393.3	1854.9	2271.6	2615.8	2928.0	3258.2
17.5°	301.9	467.5	681.2	932.7	1199.5	1551.2	2057.6	2518.8	2897.5	3245.5	3657.7
15°	337.8	515.8	756.4	1025.2	1327.2	1732.0	2239.4	2745.8	3178.3	3569.9	4038.3
12.5°	370.6	560.0	828.9	1111.8	1447.4	1888.0	2392.0	2886.3	3361.7	3871.9	4403.5
10°	400.2	599.7	897.3	1191.8	1558.9	2019.9	2518.1	3003.5	3483.1	4023.0	4613.6
7.5°	432.0	636.8	959.4	1264.5	1660.3	2128.8	2618.8	3097.5	3581.2	4143.9	4750.2
5°	461.3	671.0	1008.8	1316.6	1738.7	2213.8	2694.6	3168.9	3655.7	4234.0	4853.7
2.5°	487.0	699.7	1049.0	1357.4	1796.8	2276.4	2743.9	3228.4	3710.9	4307.2	4932.6
0°	508.9	723.0	1079.7	1388.8	1840.7	2321.1	2772.9	3267.6	3743.2	4356.8	4984.6
-2.5°	522.9	761.2	1100.7	1443.5	1879.1	2350.4	2798.8	3278.6	3778.0	4372.5	5042.9
-5°	532.8	792.1	1113.4	1485.7	1904.2	2363.4	2807.4	3270.1	3787.2	4368.5	5051.5
-7.5°	538.5	813.9	1119.4	1509.7	1913.0	2355.6	2792.9	3254.0	3772.1	4353.6	5013.7
-10°	541.8	820.8	1127.4	1502.5	1901.4	2330.1	2760.8	3216.2	3728.9	4304.9	4942.0
-12.5°	550.7	816.4	1126.0	1486.5	1876.4	2291.6	2713.1	3156.3	3657.1	4222.0	4842.8
-15°	553.0	806.6	1112.5	1462.9	1838.2	2241.2	2650.6	3074.3	3568.4	4141.1	4733.1
-17.5°	548.0	791.8	1086.2	1432.9	1787.0	2180.1	2577.1	3000.4	3485.3	4047.9	4617.9
-20°	535.2	772.6	1046.4	1397.4	1726.2	2112.2	2503.4	2922.9	3389.6	3918.5	4489.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	514.4	749.4	1003.3	1347.9	1673.7	2034.3	2417.1	2817.3	3269.8	3750.7	4315.7
-25°	492.8	723.2	969.4	1279.8	1610.6	1943.3	2317.8	2688.3	3129.1	3601.4	4102.7
-27.5°	472.4	686.7	934.1	1205.3	1536.2	1846.1	2205.7	2567.0	2970.8	3433.7	3895.2
-30°	445.7	647.1	891.1	1133.6	1447.4	1754.6	2080.6	2436.1	2799.3	3238.6	3692.7
-32.5°	422.1	606.1	842.1	1079.1	1351.8	1651.5	1945.7	2284.6	2639.0	3013.5	3462.2
-35°	406.4	581.8	790.1	1016.0	1254.4	1539.3	1819.2	2113.6	2456.9	2808.4	3202.3
-37.5°	393.6	553.9	735.4	950.3	1177.2	1421.7	1683.8	1954.6	2254.2	2608.5	2979.0
-40°	373.6	522.5	694.9	887.6	1087.8	1310.2	1553.4	1798.6	2058.3	2404.4	2769.9
-42.5°	347.8	492.1	656.7	819.5	1002.4	1205.4	1421.5	1652.5	1902.0	2202.7	2538.6
-45°	328.0	453.2	614.3	760.0	911.4	1097.1	1300.1	1509.3	1744.7	2002.8	2304.5
-47.5°	302.9	411.0	558.8	695.0	828.4	986.8	1172.5	1370.5	1579.0	1811.6	2058.9
-50°	276.0	375.7	490.8	623.5	750.7	882.4	1040.8	1223.8	1413.0	1615.8	1836.4
-52.5°	255.5	334.4	439.5	549.9	671.2	790.7	925.5	1082.5	1251.4	1420.8	1614.9
-55°	232.4	304.0	390.7	489.7	592.9	703.5	826.3	963.8	1101.5	1257.1	1411.9
-57.5°	216.2	274.8	349.9	435.9	528.6	622.7	738.5	854.7	982.2	1111.0	1239.5
-60°	203.5	249.5	311.8	387.6	470.2	558.1	653.2	760.5	870.3	975.5	1086.5
-62.5°	188.9	229.0	277.7	339.5	414.2	490.6	574.4	666.4	765.6	854.2	940.3
-65°	170.1	205.0	246.7	297.0	355.7	420.3	491.7	569.2	655.1	726.9	797.2
-67.5°	148.6	177.9	212.9	254.0	302.9	353.4	405.7	471.3	541.0	599.6	656.9
-70°	121.4	148.5	177.2	210.7	249.0	291.8	337.9	385.4	433.1	481.0	533.4
-72.5°	92.9	117.6	141.9	165.8	196.3	231.4	269.0	308.9	350.5	391.5	431.3
-75°	70.8	86.8	108.1	129.6	150.8	173.6	199.1	230.8	269.5	309.2	345.6
-77.5°	53.5	66.9	81.1	95.9	109.3	126.1	144.4	164.2	196.1	232.8	269.8
-80°	38.6	46.7	57.9	69.8	79.2	88.5	98.1	108.1	131.9	161.4	193.0
-82.5°	28.6	34.2	40.4	47.3	52.1	56.7	61.8	68.4	86.0	106.0	127.1
-85°	19.7	21.3	24.7	28.6	31.3	33.9	36.7	39.5	49.0	59.6	71.1
-87.5°	17.0	17.8	18.8	19.7	20.1	20.4	20.7	21.0	24.2	27.6	31.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	19.0	20.2	21.4	22.6	23.8	25.0	26.2	27.3	28.5	28.5	28.5
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°	0.4	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.2	2.4	2.5	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.1	4.8	3.6	2.3	1.1	1.8	2.9	3.4	3.5	3.1	2.4
62.5°	7.6	7.0	6.3	7.2	8.6	10.0	9.6	9.1	8.5	8.0	8.3
60°	28.2	18.8	21.6	27.2	25.4	17.4	28.7	32.4	27.6	18.9	18.3
57.5°	71.3	68.8	78.8	115.2	126.7	115.5	138.0	167.5	166.6	143.5	142.8
55°	151.9	203.8	266.5	276.6	320.2	407.6	475.6	445.8	445.6	468.0	540.3
52.5°	288.5	337.5	355.7	404.4	495.5	561.7	604.2	648.2	696.4	745.6	795.4
50°	423.4	470.9	524.9	574.8	700.9	768.8	757.5	848.7	965.2	1038.1	1075.5
47.5°	621.1	696.0	810.1	988.9	1083.1	1151.1	1235.8	1339.0	1472.6	1653.8	1793.4
45°	853.8	971.7	1148.2	1338.1	1484.2	1550.8	1647.7	1807.5	2020.5	2228.0	2379.5
42.5°	1044.0	1205.7	1404.9	1586.3	1705.5	1814.8	1940.3	2075.1	2319.1	2540.6	2715.7
40°	1292.2	1418.2	1641.6	1812.7	1919.4	2027.8	2226.5	2428.2	2657.7	2864.1	3007.6
37.5°	1606.9	1748.6	1981.0	2174.5	2277.2	2315.5	2653.5	2934.3	3120.9	3384.4	3470.5
35°	1944.9	2178.2	2474.3	2725.2	2825.9	3026.9	3375.0	3766.9	4191.5	4347.7	4480.8
32.5°	2321.9	2609.8	3011.6	3280.8	3424.5	3729.6	4170.2	4588.5	5143.7	5445.0	5535.1
30°	2666.9	2997.2	3342.6	3604.3	3850.0	4217.4	4619.2	5134.9	5648.3	6033.5	6153.2
27.5°	2920.1	3285.5	3617.6	3862.6	4139.9	4536.0	5037.0	5559.3	6063.2	6456.3	6596.0
25°	3161.7	3574.8	3837.7	4122.6	4448.2	4879.9	5435.1	6015.4	6511.8	6844.0	7015.3
22.5°	3436.6	3843.9	4126.1	4367.5	4793.1	5290.6	5806.0	6461.7	6987.6	7252.7	7438.4
20°	3720.3	4181.1	4617.1	4841.6	5209.9	5839.7	6416.7	7035.8	7543.6	7819.8	8015.3
17.5°	4116.1	4703.4	5238.1	5556.0	5950.4	6703.5	7423.4	8049.7	8756.1	9005.5	9244.6
15°	4533.5	5213.3	5839.6	6343.2	6852.7	7598.9	8525.6	9281.3	10087.3	10447.3	10854.3
12.5°	4949.6	5592.8	6160.3	6810.0	7528.0	8188.0	9070.3	10011.4	10742.8	11201.9	11475.9
10°	5260.6	5858.0	6404.1	7055.3	7772.0	8518.6	9395.3	10360.0	11125.7	11517.4	11741.0
7.5°	5428.5	6000.3	6576.3	7236.2	7949.6	8744.8	9648.2	10605.2	11388.1	11767.7	11988.4
5°	5553.2	6102.3	6698.7	7393.4	8114.8	8921.1	9823.2	10768.9	11482.7	11886.1	12165.3
2.5°	5628.6	6167.0	6776.8	7495.1	8218.2	9058.0	10003.6	10983.9	11608.5	11933.0	12189.8
0°	5650.5	6192.7	6820.6	7548.3	8290.3	9136.9	10073.9	11044.2	11676.8	11990.7	12252.3
-2.5°	5675.1	6233.4	6878.5	7582.8	8318.4	9162.7	10119.2	11064.6	11633.7	11950.4	12199.3
-5°	5657.9	6236.5	6879.6	7554.2	8294.8	9132.3	10050.5	10934.5	11529.8	11872.2	12119.7
-7.5°	5606.8	6193.6	6830.0	7478.3	8204.8	9051.8	9966.1	10817.4	11420.4	11781.5	12052.3
-10°	5532.2	6102.0	6742.8	7399.4	8117.1	8923.4	9823.6	10669.8	11247.0	11630.4	11946.0
-12.5°	5449.7	6007.6	6625.3	7255.1	7964.9	8761.2	9633.5	10434.5	11008.2	11426.4	11652.0
-15°	5327.4	5884.9	6475.4	7084.6	7776.5	8549.0	9382.2	10150.7	10714.1	11054.5	11303.7
-17.5°	5171.7	5718.8	6278.6	6856.5	7508.3	8269.1	9107.4	9865.3	10324.5	10628.5	10873.5
-20°	5005.0	5510.9	6041.3	6586.6	7218.4	7972.0	8795.3	9456.4	9889.3	10181.3	10412.6



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	4814.6	5301.8	5787.3	6308.6	6928.1	7619.0	8346.1	8985.0	9450.4	9716.5	9930.2
-25°	4597.3	5071.2	5532.2	6035.7	6605.1	7226.1	7902.2	8530.0	8946.9	9229.5	9441.4
-27.5°	4363.2	4808.5	5258.8	5710.9	6222.8	6841.6	7467.7	8051.0	8406.8	8691.6	8904.8
-30°	4129.6	4530.1	4946.8	5374.7	5855.1	6413.1	6998.8	7489.2	7864.5	8141.2	8339.1
-32.5°	3876.4	4256.4	4625.6	5025.6	5477.9	5969.6	6483.7	6950.2	7351.1	7604.6	7771.4
-35°	3617.1	3985.0	4322.9	4685.9	5084.9	5509.2	5983.7	6443.8	6839.8	7040.3	7202.9
-37.5°	3347.0	3713.8	4034.1	4337.4	4681.1	5074.1	5536.2	5975.2	6317.3	6489.7	6636.2
-40°	3112.1	3435.0	3723.4	4013.6	4293.1	4642.0	5073.3	5498.3	5772.8	5940.7	6076.9
-42.5°	2884.1	3156.5	3392.6	3652.8	3932.5	4276.5	4624.5	4980.9	5201.5	5387.9	5531.3
-45°	2618.5	2862.0	3083.4	3299.8	3554.9	3869.0	4185.1	4470.5	4677.2	4857.4	4997.0
-47.5°	2324.8	2559.9	2774.9	2968.3	3205.4	3467.4	3733.5	3971.1	4175.1	4353.2	4477.8
-50°	2051.1	2261.1	2471.1	2666.8	2872.3	3084.2	3300.1	3508.6	3702.2	3875.3	3981.3
-52.5°	1805.8	1999.7	2183.1	2354.3	2534.1	2713.2	2892.0	3082.9	3261.1	3424.9	3509.5
-55°	1584.0	1758.7	1924.3	2068.5	2212.7	2354.8	2508.0	2684.3	2848.4	3000.1	3060.9
-57.5°	1384.8	1534.4	1680.9	1802.9	1920.6	2033.6	2168.1	2316.9	2460.6	2590.6	2640.3
-60°	1201.7	1320.3	1442.9	1551.1	1653.7	1750.6	1867.9	1987.7	2104.2	2202.2	2244.5
-62.5°	1033.2	1134.7	1227.5	1315.4	1402.3	1489.6	1584.3	1679.3	1773.4	1848.9	1887.1
-65°	870.7	951.5	1026.1	1098.4	1168.6	1241.8	1316.0	1388.2	1457.9	1511.8	1545.0
-67.5°	718.2	779.6	838.8	895.2	953.9	1013.2	1071.2	1126.6	1178.9	1220.6	1252.3
-70°	583.0	630.5	676.8	723.5	772.5	818.7	862.4	903.8	942.7	972.8	997.2
-72.5°	469.9	508.5	548.5	590.5	630.1	664.6	696.0	726.3	755.3	772.3	784.9
-75°	378.9	411.3	446.1	480.1	513.2	539.4	562.5	584.8	606.2	607.4	603.1
-77.5°	306.1	335.1	362.0	388.7	415.1	431.3	445.4	459.9	474.6	466.1	452.7
-80°	224.7	248.8	271.7	294.7	317.6	327.2	333.9	339.7	344.6	333.5	319.7
-82.5°	149.1	164.3	179.2	194.3	209.7	215.8	220.4	224.1	227.1	217.0	205.5
-85°	83.2	90.5	97.7	104.9	112.2	116.5	120.4	124.0	127.3	121.3	114.6
-87.5°	34.6	36.3	37.9	39.5	41.0	42.5	44.0	45.5	46.9	47.1	47.3
-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: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	27.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.4	0.2	0.0	0.0	0.0	0.2	1.4	2.4	3.1	3.5	3.4
62.5°	8.7	9.1	9.4	9.5	9.4	9.1	8.7	8.3	8.0	8.5	9.1
60°	16.8	14.8	14.2	14.3	14.2	14.8	16.8	18.3	18.9	27.6	32.4
57.5°	131.9	112.9	115.7	128.4	115.7	112.9	131.9	142.8	143.5	166.6	167.5
55°	616.2	687.8	713.1	699.2	713.1	687.8	616.2	540.3	468.0	445.6	445.8
52.5°	834.8	864.2	875.6	875.2	875.6	864.2	834.8	795.4	745.6	696.4	648.2
50°	1086.8	1076.9	1061.6	1046.4	1061.6	1076.9	1086.8	1075.5	1038.1	965.2	848.7
47.5°	1813.8	1782.4	1769.1	1793.1	1769.1	1782.4	1813.8	1793.4	1653.8	1472.6	1339.0
45°	2410.4	2447.2	2474.7	2473.3	2474.7	2447.2	2410.4	2379.5	2228.0	2020.5	1807.5
42.5°	2750.0	2769.6	2775.3	2768.2	2775.3	2769.6	2750.0	2715.7	2540.6	2319.1	2075.1
40°	3052.7	3076.1	3089.3	3101.1	3089.3	3076.1	3052.7	3007.6	2864.1	2657.7	2428.2
37.5°	3499.0	3507.5	3488.8	3476.9	3488.8	3507.5	3499.0	3470.5	3384.4	3120.9	2934.3
35°	4593.1	4615.5	4563.6	4618.4	4563.6	4615.5	4593.1	4480.8	4347.7	4191.5	3766.9
32.5°	5642.3	5747.4	5832.3	5902.6	5832.3	5747.4	5642.3	5535.1	5445.0	5143.7	4588.5
30°	6236.7	6304.5	6340.9	6349.7	6340.9	6304.5	6236.7	6153.2	6033.5	5648.3	5134.9
27.5°	6673.1	6744.2	6788.4	6820.6	6788.4	6744.2	6673.1	6596.0	6456.3	6063.2	5559.3
25°	7093.8	7158.7	7202.9	7220.1	7202.9	7158.7	7093.8	7015.3	6844.0	6511.8	6015.4
22.5°	7530.3	7575.4	7617.8	7638.7	7617.8	7575.4	7530.3	7438.4	7252.7	6987.6	6461.7
20°	8155.9	8131.4	8170.1	8157.1	8170.1	8131.4	8155.9	8015.3	7819.8	7543.6	7035.8
17.5°	9431.0	9444.2	9470.1	9512.6	9470.1	9444.2	9431.0	9244.6	9005.5	8756.1	8049.7
15°	11034.5	11066.9	11230.9	11377.1	11230.9	11066.9	11034.5	10854.3	10447.3	10087.3	9281.3
12.5°	11730.1	11841.8	11859.1	11900.3	11859.1	11841.8	11730.1	11475.9	11201.9	10742.8	10011.4
10°	11962.2	12155.6	12151.4	12200.0	12151.4	12155.6	11962.2	11741.0	11517.4	11125.7	10360.0
7.5°	12138.3	12346.0	12433.7	12471.1	12433.7	12346.0	12138.3	11988.4	11767.7	11388.1	10605.2
5°	12353.4	12467.6	12619.1	12575.7	12619.1	12467.6	12353.4	12165.3	11886.1	11482.7	10768.9
2.5°	12443.5	12622.4	12581.1	12623.3	12581.1	12622.4	12443.5	12189.8	11933.0	11608.5	10983.9
0°	12504.4	12632.8	12651.8	12694.6	12651.8	12632.8	12504.4	12252.3	11990.7	11676.8	11044.2
-2.5°	12430.6	12543.6	12741.5	12680.4	12741.5	12543.6	12430.6	12199.3	11950.4	11633.7	11064.6
-5°	12365.9	12644.1	12536.1	12670.8	12536.1	12644.1	12365.9	12119.7	11872.2	11529.8	10934.5
-7.5°	12332.6	12382.3	12454.0	12556.7	12454.0	12382.3	12332.6	12052.3	11781.5	11420.4	10817.4
-10°	12074.4	12125.3	12257.0	12328.4	12257.0	12125.3	12074.4	11946.0	11630.4	11247.0	10669.8
-12.5°	11794.4	11892.9	12031.3	12076.3	12031.3	11892.9	11794.4	11652.0	11426.4	11008.2	10434.5
-15°	11471.9	11618.2	11753.1	11781.4	11753.1	11618.2	11471.9	11303.7	11054.5	10714.1	10150.7
-17.5°	11061.8	11237.2	11379.0	11410.4	11379.0	11237.2	11061.8	10873.5	10628.5	10324.5	9865.3
-20°	10609.9	10777.9	10898.4	10934.8	10898.4	10777.9	10609.9	10412.6	10181.3	9889.3	9456.4



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	10126.1	10277.4	10379.3	10364.0	10379.3	10277.4	10126.1	9930.2	9716.5	9450.4	8985.0
-25°	9612.4	9752.8	9849.9	9836.1	9849.9	9752.8	9612.4	9441.4	9229.5	8946.9	8530.0
-27.5°	9069.3	9202.3	9295.6	9298.6	9295.6	9202.3	9069.3	8904.8	8691.6	8406.8	8051.0
-30°	8498.7	8619.5	8695.2	8666.0	8695.2	8619.5	8498.7	8339.1	8141.2	7864.5	7489.2
-32.5°	7910.1	8019.4	8088.8	8109.5	8088.8	8019.4	7910.1	7771.4	7604.6	7351.1	6950.2
-35°	7329.6	7425.9	7485.9	7500.7	7485.9	7425.9	7329.6	7202.9	7040.3	6839.8	6443.8
-37.5°	6752.8	6835.7	6877.6	6858.6	6877.6	6835.7	6752.8	6636.2	6489.7	6317.3	5975.2
-40°	6182.8	6261.7	6309.7	6321.2	6309.7	6261.7	6182.8	6076.9	5940.7	5772.8	5498.3
-42.5°	5622.4	5688.1	5730.2	5750.4	5730.2	5688.1	5622.4	5531.3	5387.9	5201.5	4980.9
-45°	5078.5	5137.2	5176.7	5198.7	5176.7	5137.2	5078.5	4997.0	4857.4	4677.2	4470.5
-47.5°	4549.4	4600.8	4634.9	4651.7	4634.9	4600.8	4549.4	4477.8	4353.2	4175.1	3971.1
-50°	4043.3	4087.9	4119.7	4138.0	4119.7	4087.9	4043.3	3981.3	3875.3	3702.2	3508.6
-52.5°	3563.5	3602.4	3629.5	3643.3	3629.5	3602.4	3563.5	3509.5	3424.9	3261.1	3082.9
-55°	3105.3	3136.8	3161.9	3177.2	3161.9	3136.8	3105.3	3060.9	3000.1	2848.4	2684.3
-57.5°	2678.0	2703.8	2727.5	2744.4	2727.5	2703.8	2678.0	2640.3	2590.6	2460.6	2316.9
-60°	2277.9	2302.3	2322.5	2335.4	2322.5	2302.3	2277.9	2244.5	2202.2	2104.2	1987.7
-62.5°	1917.0	1938.5	1957.0	1969.1	1957.0	1938.5	1917.0	1887.1	1848.9	1773.4	1679.3
-65°	1571.0	1590.3	1604.1	1612.4	1604.1	1590.3	1571.0	1545.0	1511.8	1457.9	1388.2
-67.5°	1279.3	1301.5	1306.0	1303.2	1306.0	1301.5	1279.3	1252.3	1220.6	1178.9	1126.6
-70°	1018.9	1037.8	1042.2	1041.6	1042.2	1037.8	1018.9	997.2	972.8	942.7	903.8
-72.5°	796.7	807.0	798.3	784.8	798.3	807.0	796.7	784.9	772.3	755.3	726.3
-75°	597.8	591.3	582.1	570.8	582.1	591.3	597.8	603.1	607.4	606.2	584.8
-77.5°	437.9	421.6	411.0	399.5	411.0	421.6	437.9	452.7	466.1	474.6	459.9
-80°	304.9	289.0	278.0	266.4	278.0	289.0	304.9	319.7	333.5	344.6	339.7
-82.5°	193.1	180.0	173.4	166.5	173.4	180.0	193.1	205.5	217.0	227.1	224.1
-85°	107.3	99.6	95.1	90.4	95.1	99.6	107.3	114.6	121.3	127.3	124.0
-87.5°	47.4	47.5	45.2	42.8	45.2	47.5	47.4	47.3	47.1	46.9	45.5
-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: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	26.2	25.0	23.8	22.6	21.4	20.2	19.0	17.8	16.7	15.5	14.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.1	0.1	0.0	0.0	0.4	0.6	0.2	0.0	0.5
67.5°	0.0	0.0	0.9	2.0	2.5	2.4	2.2	2.4	2.8	2.6	2.4
65°	2.9	1.8	1.1	2.3	3.6	4.8	5.1	4.4	4.3	5.0	5.9
62.5°	9.6	10.0	8.6	7.2	6.3	7.0	7.6	8.1	7.1	5.7	7.4
60°	28.7	17.4	25.4	27.2	21.6	18.8	28.2	26.8	14.0	12.0	10.8
57.5°	138.0	115.5	126.7	115.2	78.8	68.8	71.3	68.0	61.6	37.7	16.1
55°	475.6	407.6	320.2	276.6	266.5	203.8	151.9	126.8	115.0	83.0	55.0
52.5°	604.2	561.7	495.5	404.4	355.7	337.5	288.5	230.8	183.4	146.7	105.3
50°	757.5	768.8	700.9	574.8	524.9	470.9	423.4	356.7	296.5	237.9	175.6
47.5°	1235.8	1151.1	1083.1	988.9	810.1	696.0	621.1	511.7	429.3	358.3	281.4
45°	1647.7	1550.8	1484.2	1338.1	1148.2	971.7	853.8	716.8	570.9	475.8	406.1
42.5°	1940.3	1814.8	1705.5	1586.3	1404.9	1205.7	1044.0	908.4	755.1	601.0	508.2
40°	2226.5	2027.8	1919.4	1812.7	1641.6	1418.2	1292.2	1093.1	933.0	762.2	635.5
37.5°	2653.5	2315.5	2277.2	2174.5	1981.0	1748.6	1606.9	1410.5	1113.5	952.5	806.8
35°	3375.0	3026.9	2825.9	2725.2	2474.3	2178.2	1944.9	1761.5	1466.8	1149.7	981.8
32.5°	4170.2	3729.6	3424.5	3280.8	3011.6	2609.8	2321.9	2088.6	1793.0	1434.1	1164.8
30°	4619.2	4217.4	3850.0	3604.3	3342.6	2997.2	2666.9	2337.5	2016.5	1719.5	1363.1
27.5°	5037.0	4536.0	4139.9	3862.6	3617.6	3285.5	2920.1	2567.0	2214.2	1920.8	1603.0
25°	5435.1	4879.9	4448.2	4122.6	3837.7	3574.8	3161.7	2775.9	2408.0	2083.7	1835.1
22.5°	5806.0	5290.6	4793.1	4367.5	4126.1	3843.9	3436.6	2969.2	2609.8	2337.1	2044.5
20°	6416.7	5839.7	5209.9	4841.6	4617.1	4181.1	3720.3	3258.2	2928.0	2615.8	2271.6
17.5°	7423.4	6703.5	5950.4	5556.0	5238.1	4703.4	4116.1	3657.7	3245.5	2897.5	2518.8
15°	8525.6	7598.9	6852.7	6343.2	5839.6	5213.3	4533.5	4038.3	3569.9	3178.3	2745.8
12.5°	9070.3	8188.0	7528.0	6810.0	6160.3	5592.8	4949.6	4403.5	3871.9	3361.7	2886.3
10°	9395.3	8518.6	7772.0	7055.3	6404.1	5858.0	5260.6	4613.6	4023.0	3483.1	3003.5
7.5°	9648.2	8744.8	7949.6	7236.2	6576.3	6000.3	5428.5	4750.2	4143.9	3581.2	3097.5
5°	9823.2	8921.1	8114.8	7393.4	6698.7	6102.3	5553.2	4853.7	4234.0	3655.7	3168.9
2.5°	10003.6	9058.0	8218.2	7495.1	6776.8	6167.0	5628.6	4932.6	4307.2	3710.9	3228.4
0°	10073.9	9136.9	8290.3	7548.3	6820.6	6192.7	5650.5	4984.6	4356.8	3743.2	3267.6
-2.5°	10119.2	9162.7	8318.4	7582.8	6878.5	6233.4	5675.1	5042.9	4372.5	3778.0	3278.6
-5°	10050.5	9132.3	8294.8	7554.2	6879.6	6236.5	5657.9	5051.5	4368.5	3787.2	3270.1
-7.5°	9966.1	9051.8	8204.8	7478.3	6830.0	6193.6	5606.8	5013.7	4353.6	3772.1	3254.0
-10°	9823.6	8923.4	8117.1	7399.4	6742.8	6102.0	5532.2	4942.0	4304.9	3728.9	3216.2
-12.5°	9633.5	8761.2	7964.9	7255.1	6625.3	6007.6	5449.7	4842.8	4222.0	3657.1	3156.3
-15°	9382.2	8549.0	7776.5	7084.6	6475.4	5884.9	5327.4	4733.1	4141.1	3568.4	3074.3
-17.5°	9107.4	8269.1	7508.3	6856.5	6278.6	5718.8	5171.7	4617.9	4047.9	3485.3	3000.4
-20°	8795.3	7972.0	7218.4	6586.6	6041.3	5510.9	5005.0	4489.0	3918.5	3389.6	2922.9



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	8346.1	7619.0	6928.1	6308.6	5787.3	5301.8	4814.6	4315.7	3750.7	3269.8	2817.3
-25°	7902.2	7226.1	6605.1	6035.7	5532.2	5071.2	4597.3	4102.7	3601.4	3129.1	2688.3
-27.5°	7467.7	6841.6	6222.8	5710.9	5258.8	4808.5	4363.2	3895.2	3433.7	2970.8	2567.0
-30°	6998.8	6413.1	5855.1	5374.7	4946.8	4530.1	4129.6	3692.7	3238.6	2799.3	2436.1
-32.5°	6483.7	5969.6	5477.9	5025.6	4625.6	4256.4	3876.4	3462.2	3013.5	2639.0	2284.6
-35°	5983.7	5509.2	5084.9	4685.9	4322.9	3985.0	3617.1	3202.3	2808.4	2456.9	2113.6
-37.5°	5536.2	5074.1	4681.1	4337.4	4034.1	3713.8	3347.0	2979.0	2608.5	2254.2	1954.6
-40°	5073.3	4642.0	4293.1	4013.6	3723.4	3435.0	3112.1	2769.9	2404.4	2058.3	1798.6
-42.5°	4624.5	4276.5	3932.5	3652.8	3392.6	3156.5	2884.1	2538.6	2202.7	1902.0	1652.5
-45°	4185.1	3869.0	3554.9	3299.8	3083.4	2862.0	2618.5	2304.5	2002.8	1744.7	1509.3
-47.5°	3733.5	3467.4	3205.4	2968.3	2774.9	2559.9	2324.8	2058.9	1811.6	1579.0	1370.5
-50°	3300.1	3084.2	2872.3	2666.8	2471.1	2261.1	2051.1	1836.4	1615.8	1413.0	1223.8
-52.5°	2892.0	2713.2	2534.1	2354.3	2183.1	1999.7	1805.8	1614.9	1420.8	1251.4	1082.5
-55°	2508.0	2354.8	2212.7	2068.5	1924.3	1758.7	1584.0	1411.9	1257.1	1101.5	963.8
-57.5°	2168.1	2033.6	1920.6	1802.9	1680.9	1534.4	1384.8	1239.5	1111.0	982.2	854.7
-60°	1867.9	1750.6	1653.7	1551.1	1442.9	1320.3	1201.7	1086.5	975.5	870.3	760.5
-62.5°	1584.3	1489.6	1402.3	1315.4	1227.5	1134.7	1033.2	940.3	854.2	765.6	666.4
-65°	1316.0	1241.8	1168.6	1098.4	1026.1	951.5	870.7	797.2	726.9	655.1	569.2
-67.5°	1071.2	1013.2	953.9	895.2	838.8	779.6	718.2	656.9	599.6	541.0	471.3
-70°	862.4	818.7	772.5	723.5	676.8	630.5	583.0	533.4	481.0	433.1	385.4
-72.5°	696.0	664.6	630.1	590.5	548.5	508.5	469.9	431.3	391.5	350.5	308.9
-75°	562.5	539.4	513.2	480.1	446.1	411.3	378.9	345.6	309.2	269.5	230.8
-77.5°	445.4	431.3	415.1	388.7	362.0	335.1	306.1	269.8	232.8	196.1	164.2
-80°	333.9	327.2	317.6	294.7	271.7	248.8	224.7	193.0	161.4	131.9	108.1
-82.5°	220.4	215.8	209.7	194.3	179.2	164.3	149.1	127.1	106.0	86.0	68.4
-85°	120.4	116.5	112.2	104.9	97.7	90.5	83.2	71.1	59.6	49.0	39.5
-87.5°	44.0	42.5	41.0	39.5	37.9	36.3	34.6	31.0	27.6	24.2	21.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-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°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	13.1	11.9	10.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	2.5
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.8	1.4
82.5°	0.0	0.0	0.0	0.1	0.8	1.2	1.4	1.3	0.7	0.1	0.4
80°	0.0	0.0	0.0	0.1	1.2	2.6	3.2	3.3	2.5	1.7	0.9
77.5°	0.0	0.0	0.0	0.0	0.5	1.4	2.7	4.3	4.3	3.4	2.4
75°	0.0	0.0	0.0	0.2	0.3	0.1	1.0	2.5	3.9	4.7	3.8
72.5°	0.0	0.0	0.0	0.6	1.3	1.4	0.8	0.8	2.8	4.1	4.7
70°	0.7	0.3	0.0	0.8	2.0	2.9	2.7	2.2	1.8	3.5	4.5
67.5°	2.3	2.4	1.8	1.4	2.2	3.3	4.5	4.3	3.7	3.1	4.4
65°	5.6	5.2	4.7	4.2	3.6	3.5	4.7	5.9	5.6	4.8	4.4
62.5°	8.3	8.3	7.7	7.0	6.2	5.4	5.0	6.6	7.2	6.4	5.4
60°	10.7	11.2	10.7	9.7	8.8	7.8	7.1	7.5	8.3	8.0	6.8
57.5°	14.8	14.4	14.2	12.9	11.4	10.2	9.5	9.3	9.6	9.4	8.2
55°	26.1	18.2	18.3	16.9	14.6	12.5	12.0	11.6	11.1	10.9	9.6
52.5°	66.1	36.7	23.5	21.8	18.9	15.5	14.5	13.8	13.1	12.4	11.0
50°	122.0	79.0	44.7	28.1	23.9	20.4	16.9	16.0	15.1	14.1	12.4
47.5°	195.3	135.8	88.3	44.3	30.9	25.5	21.2	18.3	17.1	15.9	13.7
45°	300.8	200.1	138.7	87.7	41.2	35.2	26.2	20.5	19.1	17.5	15.0
42.5°	418.5	293.6	194.6	132.4	78.6	48.7	31.4	24.9	21.1	19.3	16.5
40°	533.9	405.7	261.4	182.5	118.6	65.3	45.1	29.7	23.1	21.2	18.1
37.5°	661.6	524.4	366.2	236.0	159.3	99.6	61.8	34.6	26.2	23.2	19.7
35°	819.6	655.9	471.1	314.5	211.0	131.5	80.3	44.0	32.2	25.3	21.4
32.5°	977.3	787.3	584.4	405.7	265.0	160.8	104.5	62.8	39.2	27.5	23.2
30°	1136.1	907.6	691.1	490.2	327.1	208.0	130.5	81.0	47.3	29.7	25.0
27.5°	1279.0	1021.2	791.0	578.3	400.0	257.8	157.7	98.7	56.2	33.7	26.9
25°	1440.5	1144.0	889.3	662.7	466.7	309.7	185.7	116.0	69.2	40.6	28.8
22.5°	1648.3	1270.1	980.4	739.1	532.7	359.3	221.6	138.9	83.4	47.8	30.6
20°	1854.9	1393.3	1069.7	834.9	604.5	415.2	263.1	161.7	97.0	55.3	32.5
17.5°	2057.6	1551.2	1199.5	932.7	681.2	467.5	301.9	184.0	109.8	63.0	34.4
15°	2239.4	1732.0	1327.2	1025.2	756.4	515.8	337.8	205.8	121.8	70.7	36.8
12.5°	2392.0	1888.0	1447.4	1111.8	828.9	560.0	370.6	226.6	132.9	79.2	40.1
10°	2518.1	2019.9	1558.9	1191.8	897.3	599.7	400.2	247.4	145.9	88.3	43.6
7.5°	2618.8	2128.8	1660.3	1264.5	959.4	636.8	432.0	269.4	158.4	96.9	47.1
5°	2694.6	2213.8	1738.7	1316.6	1008.8	671.0	461.3	289.6	170.1	105.0	50.6
2.5°	2743.9	2276.4	1796.8	1357.4	1049.0	699.7	487.0	307.7	180.8	112.4	54.0
0°	2772.9	2321.1	1840.7	1388.8	1079.7	723.0	508.9	323.4	190.3	118.9	57.1
-2.5°	2798.8	2350.4	1879.1	1443.5	1100.7	761.2	522.9	337.6	205.3	123.6	62.9
-5°	2807.4	2363.4	1904.2	1485.7	1113.4	792.1	532.8	349.2	218.5	127.4	68.2
-7.5°	2792.9	2355.6	1913.0	1509.7	1119.4	813.9	538.5	358.2	229.2	130.4	72.8
-10°	2760.8	2330.1	1901.4	1502.5	1127.4	820.8	541.8	364.9	237.0	132.6	76.7
-12.5°	2713.1	2291.6	1876.4	1486.5	1126.0	816.4	550.7	370.1	241.0	134.1	79.5
-15°	2650.6	2241.2	1838.2	1462.9	1112.5	806.6	553.0	372.0	240.6	136.9	81.3
-17.5°	2577.1	2180.1	1787.0	1432.9	1086.2	791.8	548.0	369.7	238.2	141.0	83.0
-20°	2503.4	2112.2	1726.2	1397.4	1046.4	772.6	535.2	362.9	233.8	143.6	84.7

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

Scaled Data Report



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-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°	2417.1	2034.3	1673.7	1347.9	1003.3	749.4	514.4	351.4	227.5	144.8	85.5
-25°	2317.8	1943.3	1610.6	1279.8	969.4	723.2	492.8	334.9	219.5	144.4	85.2
-27.5°	2205.7	1846.1	1536.2	1205.3	934.1	686.7	472.4	322.9	212.6	142.4	83.9
-30°	2080.6	1754.6	1447.4	1133.6	891.1	647.1	445.7	309.4	209.5	139.7	81.6
-32.5°	1945.7	1651.5	1351.8	1079.1	842.1	606.1	422.1	294.1	204.3	136.3	81.7
-35°	1819.2	1539.3	1254.4	1016.0	790.1	581.8	406.4	277.2	196.9	131.6	82.2
-37.5°	1683.8	1421.7	1177.2	950.3	735.4	553.9	393.6	269.7	187.4	125.5	81.8
-40°	1553.4	1310.2	1087.8	887.6	694.9	522.5	373.6	261.2	178.2	118.1	80.8
-42.5°	1421.5	1205.4	1002.4	819.5	656.7	492.1	347.8	248.2	170.8	113.8	78.9
-45°	1300.1	1097.1	911.4	760.0	614.3	453.2	328.0	232.0	161.7	110.8	77.2
-47.5°	1172.5	986.8	828.4	695.0	558.8	411.0	302.9	219.1	150.8	106.8	76.1
-50°	1040.8	882.4	750.7	623.5	490.8	375.7	276.0	203.8	146.9	103.6	74.2
-52.5°	925.5	790.7	671.2	549.9	439.5	334.4	255.5	187.4	141.7	101.0	71.6
-55°	826.3	703.5	592.9	489.7	390.7	304.0	232.4	179.6	135.3	97.6	68.3
-57.5°	738.5	622.7	528.6	435.9	349.9	274.8	216.2	170.4	128.5	93.0	65.5
-60°	653.2	558.1	470.2	387.6	311.8	249.5	203.5	159.7	120.5	87.2	62.3
-62.5°	574.4	490.6	414.2	339.5	277.7	229.0	188.9	147.2	111.0	80.0	58.0
-65°	491.7	420.3	355.7	297.0	246.7	205.0	170.1	133.1	98.5	71.2	52.6
-67.5°	405.7	353.4	302.9	254.0	212.9	177.9	148.6	114.4	83.9	61.1	46.1
-70°	337.9	291.8	249.0	210.7	177.2	148.5	121.4	92.5	67.6	52.4	39.3
-72.5°	269.0	231.4	196.3	165.8	141.9	117.6	92.9	70.8	56.1	43.2	32.1
-75°	199.1	173.6	150.8	129.6	108.1	86.8	70.8	56.3	44.2	33.6	27.1
-77.5°	144.4	126.1	109.3	95.9	81.1	66.9	53.5	41.3	33.5	27.9	22.8
-80°	98.1	88.5	79.2	69.8	57.9	46.7	38.6	31.8	27.0	22.5	18.4
-82.5°	61.8	56.7	52.1	47.3	40.4	34.2	28.6	23.9	20.3	17.0	14.9
-85°	36.7	33.9	31.3	28.6	24.7	21.3	19.7	18.2	16.7	15.1	13.5
-87.5°	20.7	20.4	20.1	19.7	18.8	17.8	17.0	16.3	14.9	13.5	12.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6



REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.5	8.3	7.2	6.0	4.8	4.8	4.8
87.5°	3.6	4.0	4.4	4.6	4.8	4.8	4.8
85°	2.3	3.3	4.0	4.5	4.8	4.8	4.8
82.5°	1.1	2.5	3.6	4.3	4.8	4.8	4.8
80°	0.2	1.8	3.2	4.2	4.8	4.8	4.8
77.5°	1.5	1.6	2.8	4.1	4.8	4.8	4.8
75°	2.7	2.4	2.6	4.0	4.8	4.8	4.8
72.5°	3.8	3.1	3.0	3.9	4.8	4.8	4.8
70°	4.8	3.8	3.4	3.8	4.8	4.8	4.8
67.5°	4.9	4.5	3.8	4.0	4.8	4.8	4.8
65°	5.1	5.0	4.2	4.2	4.8	4.8	4.8
62.5°	5.4	5.3	4.5	4.3	4.8	4.8	4.8
60°	5.7	5.7	4.8	4.4	4.8	4.8	4.8
57.5°	6.8	6.2	5.2	4.5	4.9	4.8	4.8
55°	8.0	6.7	5.7	4.6	4.9	4.8	4.8
52.5°	9.2	7.3	6.2	4.7	5.0	4.8	4.8
50°	10.3	8.3	6.7	4.8	5.1	4.8	4.8
47.5°	11.5	9.2	7.3	4.9	5.2	4.8	4.8
45°	12.6	10.1	7.8	5.3	5.4	4.8	4.8
42.5°	13.7	11.1	8.4	5.8	5.5	4.8	4.8
40°	14.7	11.9	9.1	6.3	5.7	4.8	4.8
37.5°	15.8	12.8	9.8	7.0	5.9	4.8	4.8
35°	16.8	13.6	10.4	7.6	6.1	4.8	4.8
32.5°	17.8	14.4	11.1	8.2	6.3	4.8	4.8
30°	19.3	15.2	11.7	8.8	6.5	4.8	4.8
27.5°	20.7	15.9	12.4	9.3	6.8	4.8	4.8
25°	22.1	16.6	13.2	9.9	7.0	4.8	4.8
22.5°	23.5	17.3	13.9	10.4	7.3	4.8	4.8
20°	24.8	18.2	14.6	11.0	7.5	4.8	4.8
17.5°	26.2	19.0	15.3	11.5	7.8	4.8	4.8
15°	27.5	19.8	15.9	11.9	8.0	4.8	4.8
12.5°	28.7	20.6	16.5	12.4	8.3	4.8	4.8
10°	29.9	21.3	17.1	12.8	8.6	4.8	4.8
7.5°	30.9	22.0	17.6	13.2	8.8	4.8	4.8
5°	31.8	22.6	18.1	13.6	9.1	4.8	4.8
2.5°	32.6	23.2	18.6	14.0	9.3	4.8	4.8
0°	33.3	23.8	19.0	14.3	9.5	4.8	4.8
-2.5°	35.2	24.3	19.4	14.3	9.5	4.8	4.8
-5°	36.8	24.7	19.8	14.2	9.5	4.8	4.8
-7.5°	38.3	25.2	20.1	14.2	9.4	4.8	4.8
-10°	39.6	25.5	20.3	14.1	9.4	4.8	4.8
-12.5°	40.5	25.8	20.4	14.0	9.3	4.8	4.8
-15°	41.1	26.1	20.5	13.8	9.2	4.8	4.8
-17.5°	41.3	26.3	20.5	13.6	9.1	4.8	4.8
-20°	42.3	26.4	20.4	13.4	8.9	4.8	4.8

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REPORT NUMBER: P627610 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	45.0	26.5	20.1	13.2	8.8	4.8	4.8
-25°	47.3	28.3	19.8	12.9	8.6	4.8	4.8
-27.5°	49.0	30.5	19.3	12.7	8.4	4.8	4.8
-30°	50.2	32.4	18.8	12.4	8.2	4.8	4.8
-32.5°	50.8	34.0	19.5	12.0	8.0	4.8	4.8
-35°	52.2	35.2	20.0	11.7	7.8	4.8	4.8
-37.5°	53.6	36.0	20.4	11.3	7.6	4.8	4.8
-40°	54.4	36.3	20.5	10.9	7.3	4.8	4.8
-42.5°	54.7	36.3	20.6	10.7	7.0	4.8	4.8
-45°	54.4	36.0	20.7	10.7	6.7	4.8	4.8
-47.5°	53.6	35.5	20.6	10.7	6.4	4.8	4.8
-50°	52.5	34.7	20.2	10.5	6.1	4.8	4.8
-52.5°	51.0	33.6	19.6	10.3	5.8	4.8	4.8
-55°	49.2	32.2	18.7	10.1	5.5	4.8	4.8
-57.5°	47.0	30.5	17.7	9.7	5.1	4.8	4.8
-60°	44.4	28.4	16.4	9.3	4.8	4.8	4.8
-62.5°	40.8	26.0	15.5	8.8	4.8	4.8	4.8
-65°	36.8	23.3	14.5	8.2	4.8	4.8	4.8
-67.5°	32.4	20.9	13.4	7.6	4.8	4.8	4.8
-70°	27.5	19.0	12.2	6.9	4.8	4.8	4.8
-72.5°	24.3	17.0	10.9	6.7	4.8	4.8	4.8
-75°	21.2	14.8	9.5	6.7	4.8	4.8	4.8
-77.5°	17.9	12.5	9.0	6.6	4.8	4.8	4.8
-80°	14.5	11.3	8.7	6.5	4.8	4.8	4.8
-82.5°	13.1	10.6	8.3	6.4	4.8	4.8	4.8
-85°	11.9	9.9	8.0	6.3	4.8	4.8	4.8
-87.5°	10.7	9.1	7.6	6.1	4.8	4.8	4.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)