

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-727-U-VWR-VSR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627560 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-727-U-VWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (80) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

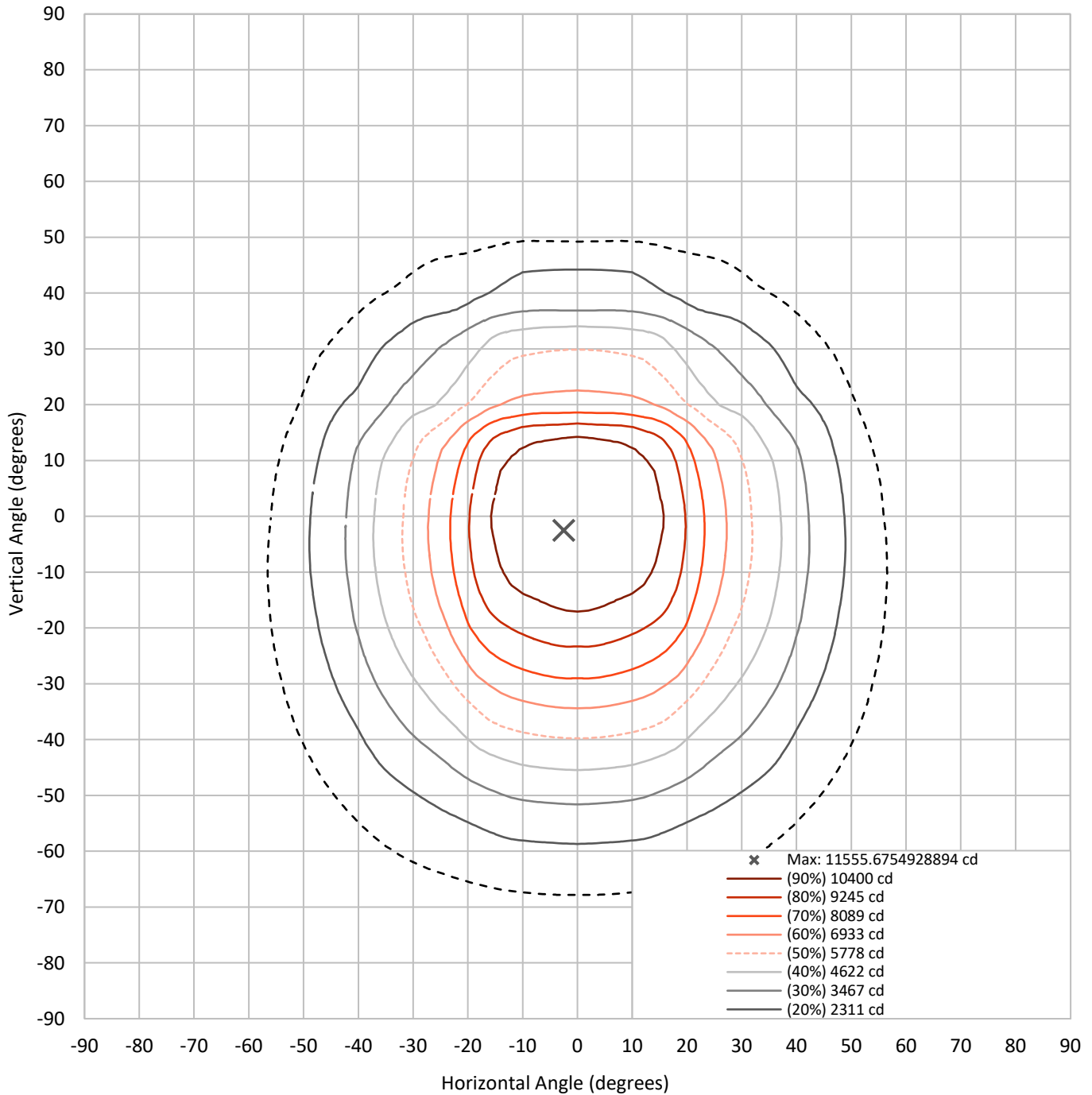
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	15421.4 lumens	Max Intensity:	11555.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	97.2 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:	8922.3 lumens	Field Lumens:	14633.9 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





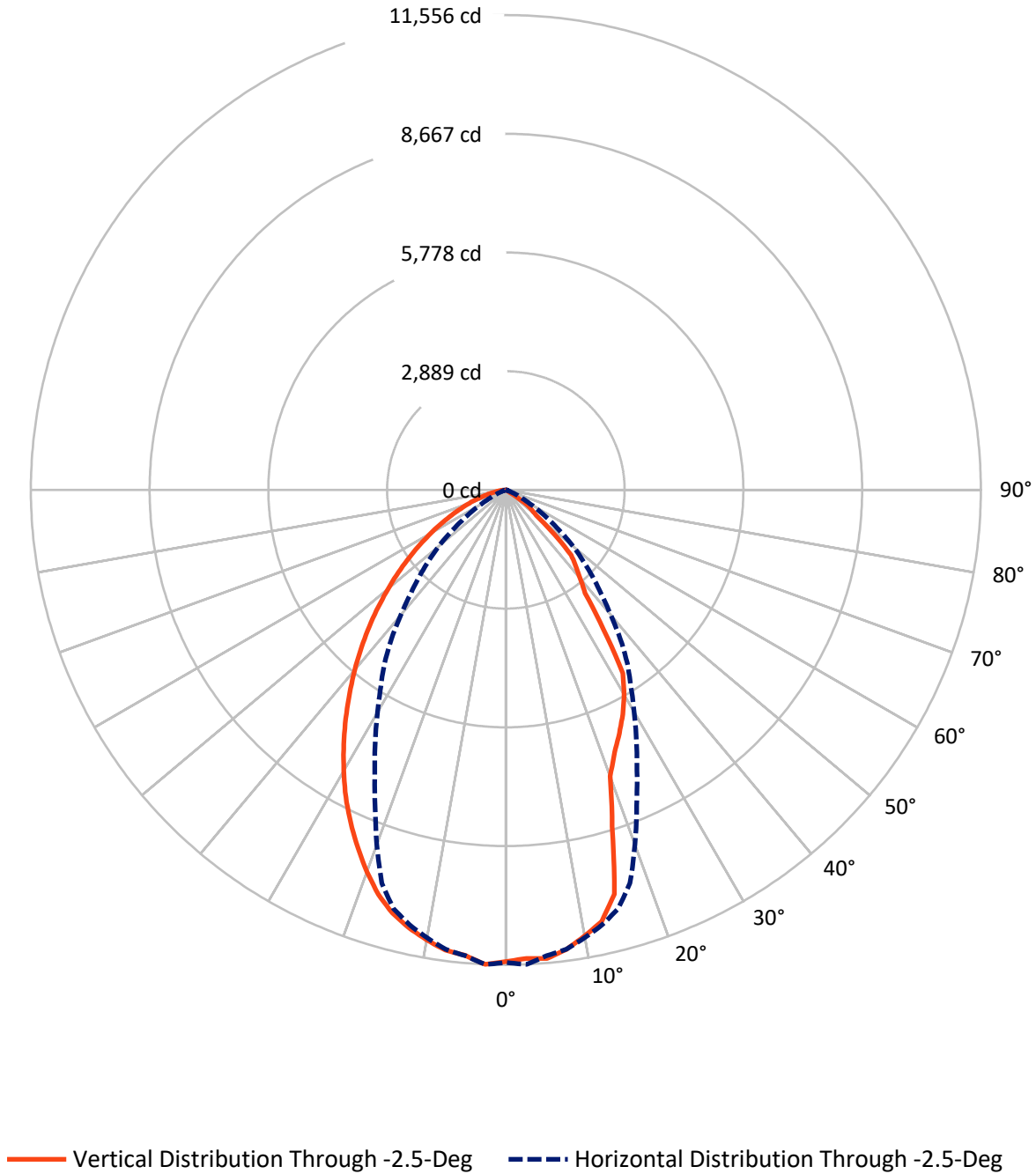
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Lumen Table

90																			
80	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
70																			
60	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
50		0.1	0.3	1.4	4.2	8.1	12.0	15.0	15.0	12.0	8.1	4.2	1.4	0.3	0.1				
40	0.3	0.3	1.7	7.9	19.1	34.4	50.8	62.2	62.2	50.8	34.4	19.1	7.9	1.7	0.3	0.3			
30		0.7	5.7	20.0	44.7	72.5	108.6	127.0	127.0	108.6	72.5	44.7	20.0	5.7	0.7				
20	0.5	1.7	11.1	35.5	72.0	114.2	171.3	196.9	196.9	171.3	114.2	72.0	35.5	11.1	1.7	0.5			
10		2.9	17.0	52.5	103.7	170.7	254.2	291.5	291.5	254.2	170.7	103.7	52.5	17.0	2.9				
0	0.8	4.0	22.1	62.4	124.1	204.0	300.1	340.6	340.6	300.1	204.0	124.1	62.4	22.1	4.0	0.8			
-10		4.7	24.4	64.8	127.4	208.7	302.4	341.9	341.9	302.4	208.7	127.4	64.8	24.4	4.7				
-20	1.0	5.0	23.8	61.3	120.1	195.4	280.6	317.1	317.1	280.6	195.4	120.1	61.3	23.8	5.0	1.0			
-30		4.5	20.9	53.5	103.8	166.1	235.3	266.4	266.4	235.3	166.1	103.8	53.5	20.9	4.5				
-40	1.0	3.8	16.6	42.1	81.6	128.1	179.7	203.4	203.4	179.7	128.1	81.6	42.1	16.6	3.8	1.0			
-50		3.0	12.3	30.0	58.5	90.1	124.4	141.1	141.1	124.4	90.1	58.5	30.0	12.3	3.0				
-60	0.7	2.3	8.0	19.3	36.3	55.9	76.0	86.7	86.7	76.0	55.9	36.3	19.3	8.0	2.3	0.7			
-70		1.6	4.9	11.3	20.0	29.7	39.3	44.5	44.5	39.3	29.7	20.0	11.3	4.9	1.6				
-80	0.3	3.6	16.6	36.3	40.5	36.3	16.6	3.6	0.3										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

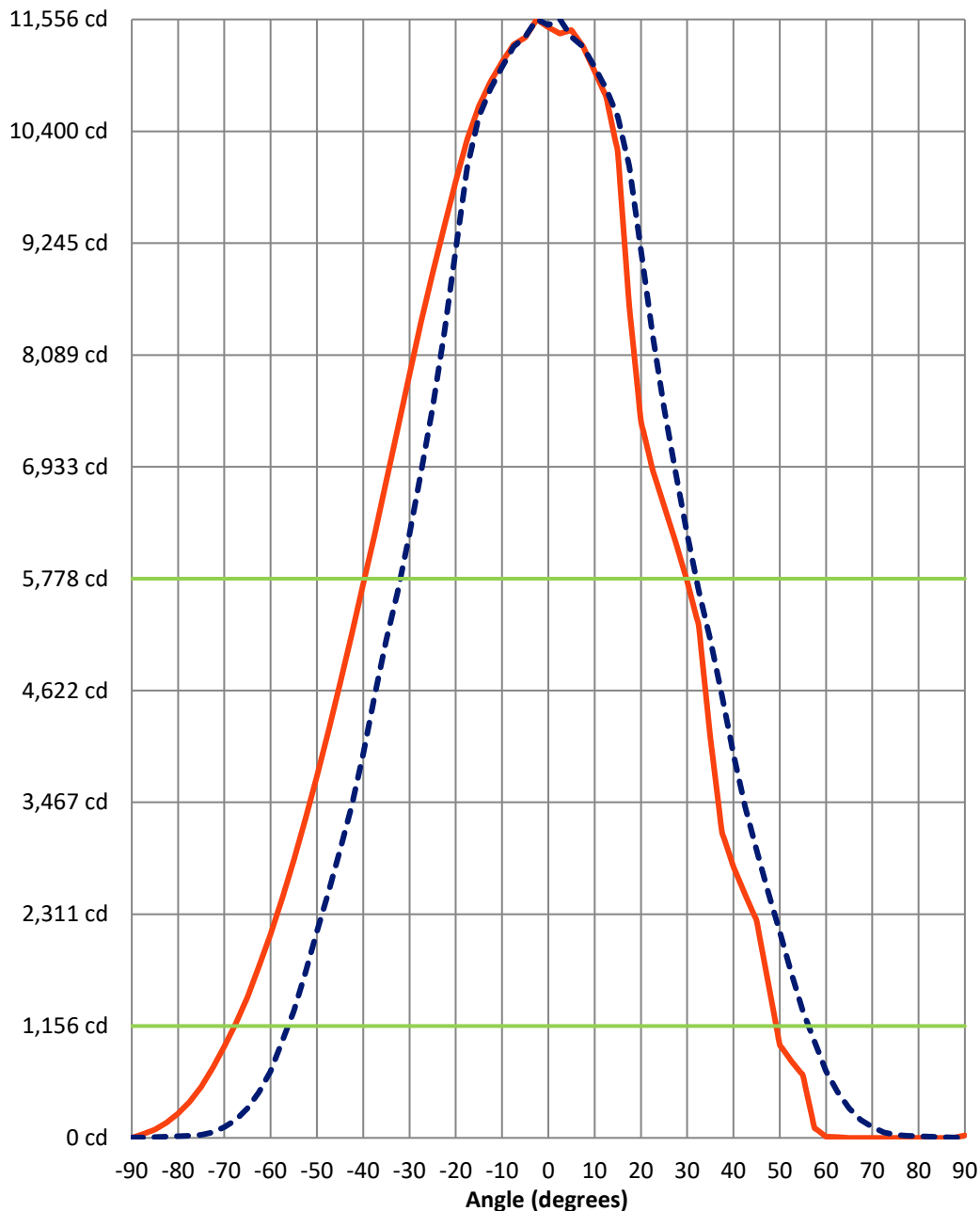
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 8922.3
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 14633.9
 Efficiency: 94.9%

Spill:
 Lumens: 787.5
 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°	4.3	4.3	4.3	5.4	6.5	7.5	8.6	9.7	10.8	11.8	12.9
87.5°	4.3	4.3	4.3	4.2	3.9	3.6	3.2	2.3	1.4	0.7	0.0
85°	4.3	4.3	4.3	4.0	3.6	2.9	2.1	1.3	0.7	0.3	0.0
82.5°	4.3	4.3	4.3	3.9	3.2	2.2	1.0	0.3	0.1	0.6	1.1
80°	4.3	4.3	4.3	3.8	2.9	1.6	0.2	0.8	1.6	2.3	2.9
77.5°	4.3	4.3	4.3	3.7	2.5	1.4	1.3	2.1	3.0	3.9	3.9
75°	4.3	4.3	4.3	3.6	2.4	2.1	2.4	3.4	4.2	3.5	2.3
72.5°	4.3	4.3	4.3	3.5	2.7	2.8	3.4	4.2	3.7	2.5	0.7
70°	4.3	4.3	4.3	3.4	3.1	3.4	4.3	4.1	3.2	1.6	2.0
67.5°	4.3	4.3	4.3	3.6	3.4	4.0	4.4	4.0	2.8	3.3	3.8
65°	4.3	4.3	4.3	3.7	3.7	4.5	4.6	3.9	4.3	5.0	5.3
62.5°	4.3	4.3	4.3	3.9	4.0	4.8	4.8	4.9	5.8	6.5	5.9
60°	4.3	4.3	4.3	4.0	4.3	5.2	5.1	6.2	7.3	7.5	6.7
57.5°	4.3	4.3	4.3	4.1	4.7	5.6	6.1	7.4	8.5	8.6	8.4
55°	4.3	4.3	4.4	4.2	5.1	6.0	7.2	8.7	9.8	10.0	10.5
52.5°	4.3	4.3	4.5	4.2	5.6	6.6	8.3	10.0	11.2	11.9	12.5
50°	4.3	4.3	4.6	4.3	6.1	7.5	9.3	11.2	12.8	13.7	14.6
47.5°	4.3	4.3	4.7	4.4	6.6	8.3	10.4	12.4	14.4	15.5	16.6
45°	4.3	4.3	4.8	4.8	7.1	9.2	11.4	13.6	15.9	17.4	18.6
42.5°	4.3	4.3	5.0	5.2	7.6	10.0	12.4	14.9	17.5	19.1	22.5
40°	4.3	4.3	5.1	5.7	8.2	10.8	13.3	16.4	19.3	20.9	26.9
37.5°	4.3	4.3	5.3	6.3	8.8	11.6	14.3	17.9	21.1	23.8	31.3
35°	4.3	4.3	5.5	6.8	9.4	12.3	15.2	19.5	22.9	29.2	39.9
32.5°	4.3	4.3	5.7	7.4	10.0	13.0	16.2	21.1	24.9	35.6	56.9
30°	4.3	4.3	5.9	7.9	10.6	13.7	17.5	22.8	27.0	42.8	73.5
27.5°	4.3	4.3	6.1	8.4	11.2	14.4	18.8	24.4	30.5	50.9	89.5
25°	4.3	4.3	6.3	8.9	11.9	15.1	20.1	26.1	36.8	62.7	105.2
22.5°	4.3	4.3	6.5	9.4	12.6	15.7	21.3	27.8	43.3	75.7	126.0
20°	4.3	4.3	6.8	9.9	13.2	16.5	22.6	29.5	50.1	88.0	146.6
17.5°	4.3	4.3	7.0	10.4	13.8	17.3	23.8	31.2	57.1	99.6	166.9
15°	4.3	4.3	7.3	10.8	14.4	18.0	25.0	33.3	64.1	110.5	186.6
12.5°	4.3	4.3	7.5	11.2	15.0	18.7	26.1	36.3	71.8	120.5	205.5
10°	4.3	4.3	7.7	11.6	15.5	19.4	27.1	39.5	80.0	132.3	224.5
7.5°	4.3	4.3	8.0	11.9	16.0	20.0	28.0	42.7	87.9	143.7	244.4
5°	4.3	4.3	8.2	12.3	16.5	20.6	28.8	45.9	95.2	154.2	262.6
2.5°	4.3	4.3	8.4	12.6	16.9	21.1	29.6	48.9	101.9	163.9	279.1
0°	4.3	4.3	8.6	12.9	17.3	21.6	30.2	51.8	107.8	172.5	293.3
-2.5°	4.3	4.3	8.6	12.9	17.3	21.6	30.2	51.8	107.8	172.5	293.3
-5°	4.3	4.3	8.6	12.9	18.0	22.5	33.4	61.9	115.5	198.1	316.7
-7.5°	4.3	4.3	8.5	12.8	18.2	22.8	34.7	66.1	118.2	207.8	324.9
-10°	4.3	4.3	8.5	12.7	18.4	23.2	35.8	69.6	120.2	214.9	330.9
-12.5°	4.3	4.3	8.4	12.6	18.6	23.4	36.7	72.2	121.6	218.6	335.7
-15°	4.3	4.3	8.3	12.5	18.6	23.7	37.2	73.7	124.1	218.2	337.4
-17.5°	4.3	4.3	8.2	12.3	18.6	23.9	37.4	75.3	127.9	216.0	335.3
-20°	4.3	4.3	8.1	12.1	18.5	24.0	38.4	76.8	130.3	212.0	329.1

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	4.3	7.9	11.9	18.2	24.1	40.8	77.5	131.3	206.4	318.7
-25°	4.3	4.3	7.8	11.7	17.9	25.7	42.9	77.3	131.0	199.1	303.8
-27.5°	4.3	4.3	7.6	11.4	17.5	27.7	44.4	76.1	129.1	192.8	292.9
-30°	4.3	4.3	7.4	11.2	17.0	29.4	45.5	74.0	126.7	190.0	280.6
-32.5°	4.3	4.3	7.3	10.9	17.7	30.9	46.1	74.1	123.6	185.3	266.8
-35°	4.3	4.3	7.0	10.6	18.1	32.0	47.4	74.5	119.3	178.6	251.4
-37.5°	4.3	4.3	6.8	10.2	18.4	32.7	48.6	74.3	113.8	169.9	244.5
-40°	4.3	4.3	6.6	9.9	18.5	32.9	49.4	73.3	107.1	161.6	236.8
-42.5°	4.3	4.3	6.3	9.7	18.7	32.9	49.6	71.6	103.3	154.9	225.1
-45°	4.3	4.3	6.1	9.7	18.8	32.7	49.4	70.1	100.5	146.7	210.3
-47.5°	4.3	4.3	5.8	9.7	18.6	32.2	48.6	69.0	96.9	136.8	198.7
-50°	4.3	4.3	5.5	9.5	18.3	31.5	47.6	67.3	94.0	133.3	184.9
-52.5°	4.3	4.3	5.2	9.4	17.8	30.5	46.3	65.0	91.6	128.6	170.0
-55°	4.3	4.3	4.9	9.1	17.0	29.2	44.6	62.0	88.6	122.7	162.9
-57.5°	4.3	4.3	4.6	8.8	16.0	27.7	42.7	59.4	84.4	116.6	154.5
-60°	4.3	4.3	4.3	8.4	14.9	25.8	40.3	56.5	79.1	109.3	144.9
-62.5°	4.3	4.3	4.3	7.9	14.1	23.6	37.1	52.7	72.6	100.7	133.6
-65°	4.3	4.3	4.3	7.4	13.2	21.1	33.4	47.7	64.6	89.3	120.7
-67.5°	4.3	4.3	4.3	6.8	12.1	19.0	29.4	41.9	55.5	76.1	103.7
-70°	4.3	4.3	4.3	6.2	11.0	17.2	25.0	35.7	47.5	61.3	83.8
-72.5°	4.3	4.3	4.3	6.1	9.8	15.4	22.1	29.2	39.2	50.9	64.2
-75°	4.3	4.3	4.3	6.0	8.6	13.4	19.2	24.6	30.5	40.1	51.0
-77.5°	4.3	4.3	4.3	5.9	8.1	11.3	16.2	20.7	25.3	30.3	37.4
-80°	4.3	4.3	4.3	5.9	7.8	10.2	13.1	16.6	20.4	24.5	28.8
-82.5°	4.3	4.3	4.3	5.8	7.5	9.5	11.8	13.5	15.4	18.5	21.8
-85°	4.3	4.3	4.3	5.6	7.2	8.9	10.8	12.2	13.7	15.1	16.6
-87.5°	4.3	4.3	4.3	5.5	6.8	8.2	9.7	11.0	12.2	13.5	14.7
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.2	2.1	1.1	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°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	14.0	15.1	16.2
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.3	1.1	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.8	2.3	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.9	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.7	1.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.4	2.6	1.8	0.7	0.0	0.2	0.6	0.5	0.0	0.2	0.5
67.5°	4.0	3.0	1.9	1.2	1.6	2.2	2.0	2.2	2.3	2.6	2.2
65°	4.2	3.2	3.2	3.7	4.2	4.6	5.0	5.3	4.5	3.9	4.0
62.5°	4.5	4.8	5.6	6.3	6.9	7.5	7.5	6.7	5.1	6.4	7.3
60°	6.4	7.0	7.9	8.8	9.6	10.1	9.7	9.8	10.9	12.6	24.2
57.5°	8.6	9.2	10.3	11.6	12.8	13.0	13.4	14.6	34.2	55.8	61.7
55°	10.9	11.3	13.2	15.3	16.6	16.5	23.7	49.9	75.2	104.3	115.0
52.5°	13.1	14.0	17.2	19.7	21.4	33.3	59.9	95.5	133.0	166.4	209.4
50°	15.3	18.5	21.7	25.5	40.6	71.6	110.6	159.2	215.8	269.0	323.5
47.5°	19.2	23.1	28.0	40.1	80.0	123.1	177.1	255.3	325.0	389.4	464.1
45°	23.7	31.9	37.3	79.5	125.8	181.5	272.8	368.4	431.6	517.8	650.0
42.5°	28.4	44.2	71.3	120.1	176.5	266.3	379.6	461.0	545.1	684.8	823.9
40°	40.9	59.2	107.5	165.6	237.1	368.0	484.2	576.4	691.3	846.2	991.4
37.5°	56.0	90.3	144.5	214.1	332.2	475.6	600.0	731.8	863.9	1009.9	1279.2
35°	72.9	119.3	191.4	285.2	427.3	594.9	743.3	890.5	1042.7	1330.3	1597.5
32.5°	94.8	145.9	240.4	368.0	530.0	714.0	886.4	1056.5	1300.6	1626.1	1894.3
30°	118.4	188.7	296.7	444.5	626.8	823.2	1030.4	1236.3	1559.5	1828.8	2119.9
27.5°	143.1	233.8	362.8	524.5	717.4	926.2	1160.1	1453.8	1742.0	2008.2	2328.1
25°	168.4	280.9	423.2	601.0	806.6	1037.6	1306.5	1664.3	1889.8	2183.9	2517.6
22.5°	201.0	325.9	483.1	670.3	889.2	1151.9	1494.9	1854.2	2119.6	2366.9	2692.9
20°	238.7	376.6	548.2	757.2	970.2	1263.7	1682.3	2060.2	2372.3	2655.5	2954.9
17.5°	273.9	424.0	617.8	845.9	1087.9	1406.8	1866.1	2284.3	2627.8	2943.4	3317.2
15°	306.4	467.8	686.1	929.9	1203.7	1570.9	2031.0	2490.3	2882.5	3237.6	3662.4
12.5°	336.2	507.9	751.8	1008.4	1312.8	1712.3	2169.4	2617.7	3048.8	3511.6	3993.6
10°	363.0	543.9	813.8	1081.0	1413.8	1831.9	2283.7	2724.0	3158.9	3648.6	4184.2
7.5°	391.8	577.6	870.2	1146.9	1505.8	1930.6	2375.1	2809.2	3247.9	3758.2	4308.1
5°	418.4	608.5	915.0	1194.1	1576.9	2007.7	2443.9	2874.0	3315.4	3839.9	4402.0
2.5°	441.8	634.6	951.4	1231.2	1629.6	2064.5	2488.5	2928.0	3365.5	3906.3	4473.6
0°	461.6	655.7	979.2	1259.6	1669.4	2105.1	2514.9	2963.5	3394.8	3951.3	4520.7
-2.5°	474.3	690.3	998.3	1309.2	1704.2	2131.7	2538.4	2973.4	3426.4	3965.6	4573.6
-5°	483.2	718.4	1009.8	1347.5	1726.9	2143.4	2546.2	2965.7	3434.8	3962.0	4581.4
-7.5°	488.3	738.1	1015.2	1369.2	1734.9	2136.3	2533.0	2951.1	3421.0	3948.4	4547.1
-10°	491.3	744.3	1022.5	1362.6	1724.4	2113.2	2503.8	2916.9	3381.9	3904.3	4482.0
-12.5°	499.4	740.4	1021.3	1348.1	1701.7	2078.3	2460.6	2862.6	3316.7	3829.1	4392.1
-15°	501.5	731.5	1009.0	1326.8	1667.1	2032.6	2403.9	2788.2	3236.3	3755.7	4292.6
-17.5°	496.9	718.1	985.1	1299.5	1620.6	1977.2	2337.2	2721.2	3160.9	3671.1	4188.1
-20°	485.4	700.6	949.0	1267.4	1565.5	1915.7	2270.4	2650.9	3074.2	3553.8	4071.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-727-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°	466.5	679.6	909.9	1222.5	1517.9	1845.0	2192.1	2555.1	2965.5	3401.7	3913.9
-25°	447.0	655.9	879.2	1160.8	1460.7	1762.4	2102.2	2438.1	2837.9	3266.2	3720.8
-27.5°	428.5	622.8	847.2	1093.2	1393.3	1674.3	2000.4	2328.1	2694.3	3114.1	3532.7
-30°	404.3	586.9	808.1	1028.2	1312.7	1591.3	1886.9	2209.4	2538.8	2937.2	3349.0
-32.5°	382.9	549.7	763.7	978.6	1226.1	1497.8	1764.6	2072.0	2393.4	2733.1	3140.0
-35°	368.6	527.7	716.6	921.5	1137.6	1396.1	1649.9	1916.9	2228.3	2547.0	2904.3
-37.5°	357.0	502.4	667.0	861.9	1067.7	1289.4	1527.1	1772.7	2044.4	2365.7	2701.7
-40°	338.8	473.9	630.2	805.0	986.6	1188.3	1408.9	1631.3	1866.7	2180.6	2512.1
-42.5°	315.4	446.3	595.6	743.2	909.1	1093.2	1289.2	1498.7	1725.0	1997.7	2302.4
-45°	297.5	411.0	557.1	689.3	826.6	995.0	1179.1	1368.8	1582.3	1816.4	2090.0
-47.5°	274.6	372.7	506.7	630.3	751.3	895.0	1063.4	1242.9	1432.0	1642.9	1867.2
-50°	250.2	340.6	445.1	565.4	680.8	800.3	943.9	1110.0	1281.5	1465.4	1665.5
-52.5°	231.7	303.2	398.6	498.7	608.7	717.1	839.4	981.8	1135.0	1288.6	1464.6
-55°	210.8	275.7	354.3	444.0	537.6	638.0	749.3	874.1	998.9	1140.1	1280.6
-57.5°	196.1	249.2	317.3	395.3	479.4	564.6	669.8	775.2	890.8	1007.6	1124.1
-60°	184.6	226.3	282.8	351.5	426.4	506.2	592.4	689.8	789.3	884.7	985.4
-62.5°	171.4	207.7	251.9	307.9	375.6	445.0	520.9	604.4	694.4	774.7	852.8
-65°	154.3	185.9	223.8	269.4	322.5	381.2	445.9	516.3	594.1	659.3	723.0
-67.5°	134.7	161.3	193.1	230.4	274.7	320.4	367.9	427.4	490.7	543.8	595.8
-70°	110.1	134.7	160.7	191.1	225.9	264.6	306.4	349.6	392.8	436.2	483.8
-72.5°	84.3	106.7	128.7	150.4	178.1	209.8	243.9	280.1	317.9	355.0	391.1
-75°	64.2	78.8	98.0	117.6	136.8	157.5	180.5	209.3	244.4	280.4	313.4
-77.5°	48.5	60.7	73.5	87.0	99.1	114.3	131.0	148.9	177.9	211.1	244.7
-80°	35.0	42.3	52.5	63.3	71.9	80.3	89.0	98.1	119.6	146.4	175.0
-82.5°	26.0	31.0	36.7	43.0	47.3	51.4	56.1	62.1	78.0	96.1	115.2
-85°	17.9	19.4	22.5	26.0	28.4	30.8	33.3	35.8	44.4	54.1	64.4
-87.5°	15.4	16.2	17.0	17.9	18.2	18.5	18.8	19.1	22.0	25.0	28.1
-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: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	17.3	18.4	19.5	20.5	21.6	22.7	23.8	24.8	25.9	25.9	25.9
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°	2.0	2.2	2.2	1.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
65°	4.5	4.3	3.2	2.1	1.0	1.6	2.6	3.1	3.1	2.8	2.2
62.5°	6.8	6.3	5.7	6.5	7.8	9.0	8.7	8.2	7.6	7.3	7.5
60°	25.5	17.0	19.6	24.7	23.0	15.8	26.0	29.4	25.1	17.2	16.6
57.5°	64.7	62.4	71.5	104.4	114.9	104.7	125.1	151.9	151.1	130.2	129.5
55°	137.8	184.8	241.6	250.8	290.4	369.6	431.3	404.3	404.1	424.5	490.0
52.5°	261.7	306.1	322.7	366.8	449.4	509.4	547.9	587.8	631.6	676.2	721.4
50°	384.0	427.2	476.1	521.3	635.7	697.3	687.0	769.7	875.4	941.5	975.4
47.5°	563.2	631.2	734.7	896.9	982.3	1044.0	1120.7	1214.3	1335.5	1499.9	1626.5
45°	774.3	881.2	1041.4	1213.6	1346.1	1406.4	1494.3	1639.2	1832.5	2020.6	2158.0
42.5°	946.8	1093.5	1274.1	1438.7	1546.7	1645.9	1759.7	1881.9	2103.2	2304.2	2463.0
40°	1172.0	1286.2	1488.8	1644.0	1740.7	1839.0	2019.3	2202.3	2410.4	2597.6	2727.7
37.5°	1457.3	1585.9	1796.6	1972.1	2065.3	2100.0	2406.5	2661.3	2830.4	3069.3	3147.5
35°	1763.9	1975.4	2244.0	2471.5	2562.9	2745.2	3061.0	3416.3	3801.4	3943.0	4063.8
32.5°	2105.9	2366.9	2731.3	2975.5	3105.8	3382.5	3782.1	4161.4	4665.0	4938.2	5019.9
30°	2418.7	2718.3	3031.5	3268.8	3491.7	3824.9	4189.3	4657.0	5122.6	5472.0	5580.5
27.5°	2648.3	2979.7	3280.9	3503.1	3754.6	4113.8	4568.2	5041.9	5498.9	5855.4	5982.1
25°	2867.5	3242.1	3480.5	3739.0	4034.2	4425.7	4929.3	5455.6	5905.7	6207.0	6362.4
22.5°	3116.7	3486.1	3742.1	3961.0	4347.0	4798.2	5265.6	5860.3	6337.2	6577.6	6746.1
20°	3374.0	3792.0	4187.4	4391.0	4725.0	5296.2	5819.5	6380.9	6841.4	7092.0	7269.4
17.5°	3733.0	4265.7	4750.6	5038.9	5396.6	6079.6	6732.5	7300.4	7941.1	8167.4	8384.2
15°	4111.6	4728.0	5296.2	5752.9	6214.9	6891.6	7732.1	8417.4	9148.5	9475.0	9844.0
12.5°	4488.9	5072.3	5587.0	6176.2	6827.4	7426.0	8226.1	9079.6	9743.0	10159.3	10407.8
10°	4771.0	5312.8	5808.1	6398.7	7048.7	7725.8	8521.0	9395.8	10090.2	10445.5	10648.3
7.5°	4923.3	5441.8	5964.2	6562.7	7209.8	7931.0	8750.2	9618.2	10328.2	10672.5	10872.7
5°	5036.3	5534.3	6075.3	6705.3	7359.6	8090.8	8908.9	9766.5	10414.0	10779.8	11033.1
2.5°	5104.8	5593.0	6146.1	6797.5	7453.4	8214.9	9072.6	9961.5	10528.1	10822.4	11055.3
0°	5124.6	5616.4	6185.8	6845.8	7518.7	8286.5	9136.3	10016.3	10590.0	10874.7	11112.0
-2.5°	5146.9	5653.3	6238.2	6877.1	7544.3	8310.0	9177.3	10034.8	10550.9	10838.2	11063.9
-5°	5131.4	5656.1	6239.3	6851.2	7522.8	8282.4	9115.0	9916.8	10456.7	10767.3	10991.7
-7.5°	5085.0	5617.2	6194.3	6782.4	7441.2	8209.4	9038.6	9810.6	10357.5	10685.0	10930.6
-10°	5017.4	5534.1	6115.3	6710.7	7361.7	8092.9	8909.4	9676.8	10200.2	10548.0	10834.2
-12.5°	4942.5	5448.5	6008.7	6579.9	7223.6	7945.8	8736.9	9463.3	9983.7	10363.0	10567.5
-15°	4831.5	5337.2	5872.7	6425.3	7052.8	7753.4	8509.1	9206.0	9717.0	10025.6	10251.6
-17.5°	4690.4	5186.6	5694.3	6218.3	6809.5	7499.4	8259.7	8947.1	9363.6	9639.3	9861.4
-20°	4539.2	4998.1	5479.1	5973.6	6546.6	7230.0	7976.7	8576.3	8968.8	9233.7	9443.4



REPORT NUMBER: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-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°	4366.5	4808.4	5248.7	5721.4	6283.3	6909.9	7569.4	8148.8	8570.9	8812.1	9006.0
-25°	4169.4	4599.2	5017.4	5474.0	5990.3	6553.6	7166.8	7736.2	8114.2	8370.5	8562.7
-27.5°	3957.2	4361.0	4769.4	5179.4	5643.6	6204.8	6772.7	7301.7	7624.4	7882.6	8076.0
-30°	3745.2	4108.5	4486.4	4874.5	5310.2	5816.2	6347.4	6792.2	7132.5	7383.5	7563.0
-32.5°	3515.6	3860.3	4195.1	4557.9	4968.1	5414.1	5880.3	6303.3	6667.0	6896.8	7048.1
-35°	3280.4	3614.1	3920.5	4249.8	4611.6	4996.5	5426.8	5844.1	6203.2	6385.1	6532.5
-37.5°	3035.4	3368.1	3658.7	3933.7	4245.4	4601.9	5021.0	5419.1	5729.4	5885.7	6018.6
-40°	2822.5	3115.3	3376.8	3640.1	3893.5	4210.0	4601.1	4986.6	5235.5	5387.9	5511.3
-42.5°	2615.7	2862.7	3076.9	3312.8	3566.5	3878.5	4194.1	4517.3	4717.4	4886.5	5016.5
-45°	2374.8	2595.7	2796.4	2992.7	3224.0	3508.9	3795.6	4054.4	4241.8	4405.3	4531.9
-47.5°	2108.4	2321.7	2516.6	2692.1	2907.1	3144.7	3386.1	3601.5	3786.5	3948.0	4061.0
-50°	1860.2	2050.7	2241.1	2418.6	2604.9	2797.1	2993.0	3182.1	3357.7	3514.6	3610.8
-52.5°	1637.8	1813.6	1980.0	2135.2	2298.2	2460.6	2622.8	2795.9	2957.6	3106.1	3182.9
-55°	1436.6	1595.1	1745.2	1876.0	2006.8	2135.6	2274.6	2434.5	2583.3	2720.9	2776.0
-57.5°	1256.0	1391.6	1524.5	1635.1	1741.8	1844.3	1966.4	2101.3	2231.5	2349.4	2394.5
-60°	1089.8	1197.5	1308.6	1406.7	1499.7	1587.6	1694.0	1802.7	1908.3	1997.2	2035.6
-62.5°	937.0	1029.1	1113.3	1193.0	1271.8	1350.9	1436.8	1523.0	1608.4	1676.8	1711.5
-65°	789.7	862.9	930.6	996.2	1059.8	1126.3	1193.5	1259.0	1322.2	1371.2	1401.2
-67.5°	651.3	707.0	760.7	811.8	865.1	919.0	971.6	1021.8	1069.2	1107.0	1135.8
-70°	528.7	571.8	613.9	656.2	700.6	742.5	782.1	819.7	855.0	882.2	904.4
-72.5°	426.2	461.2	497.5	535.6	571.5	602.8	631.2	658.7	685.0	700.4	711.9
-75°	343.6	373.0	404.6	435.4	465.4	489.2	510.1	530.4	549.8	550.8	547.0
-77.5°	277.6	303.9	328.3	352.6	376.5	391.1	403.9	417.1	430.4	422.7	410.5
-80°	203.7	225.7	246.4	267.3	288.1	296.8	302.8	308.1	312.5	302.4	289.9
-82.5°	135.2	149.0	162.5	176.2	190.1	195.7	199.9	203.3	206.0	196.9	186.4
-85°	75.4	82.1	88.6	95.2	101.8	105.7	109.2	112.5	115.5	110.0	103.9
-87.5°	31.4	32.9	34.3	35.8	37.2	38.6	39.9	41.2	42.5	42.7	42.8
-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: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-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°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	24.8
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	0.0	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°	1.3	0.2	0.0	0.0	0.0	0.2	1.3	2.2	2.8	3.1	3.1
62.5°	7.9	8.2	8.5	8.6	8.5	8.2	7.9	7.5	7.3	7.6	8.2
60°	15.2	13.3	12.8	12.9	12.8	13.3	15.2	16.6	17.2	25.1	29.4
57.5°	119.6	102.3	104.9	116.5	104.9	102.3	119.6	129.5	130.2	151.1	151.9
55°	558.8	623.8	646.8	634.1	646.8	623.8	558.8	490.0	424.5	404.1	404.3
52.5°	757.1	783.8	794.1	793.7	794.1	783.8	757.1	721.4	676.2	631.6	587.8
50°	985.7	976.7	962.8	949.0	962.8	976.7	985.7	975.4	941.5	875.4	769.7
47.5°	1645.0	1616.5	1604.5	1626.2	1604.5	1616.5	1645.0	1626.5	1499.9	1335.5	1214.3
45°	2186.0	2219.4	2244.4	2243.1	2244.4	2219.4	2186.0	2158.0	2020.6	1832.5	1639.2
42.5°	2494.1	2511.9	2517.0	2510.5	2517.0	2511.9	2494.1	2463.0	2304.2	2103.2	1881.9
40°	2768.6	2789.8	2801.7	2812.5	2801.7	2789.8	2768.6	2727.7	2597.6	2410.4	2202.3
37.5°	3173.3	3181.1	3164.2	3153.3	3164.2	3181.1	3173.3	3147.5	3069.3	2830.4	2661.3
35°	4165.6	4185.9	4138.9	4188.6	4138.9	4185.9	4165.6	4063.8	3943.0	3801.4	3416.3
32.5°	5117.2	5212.5	5289.5	5353.2	5289.5	5212.5	5117.2	5019.9	4938.2	4665.0	4161.4
30°	5656.3	5717.7	5750.7	5758.7	5750.7	5717.7	5656.3	5580.5	5472.0	5122.6	4657.0
27.5°	6052.1	6116.5	6156.6	6185.8	6156.6	6116.5	6052.1	5982.1	5855.4	5498.9	5041.9
25°	6433.6	6492.4	6532.5	6548.1	6532.5	6492.4	6433.6	6362.4	6207.0	5905.7	5455.6
22.5°	6829.4	6870.3	6908.8	6927.7	6908.8	6870.3	6829.4	6746.1	6577.6	6337.2	5860.3
20°	7396.8	7374.6	7409.7	7397.9	7409.7	7374.6	7396.8	7269.4	7092.0	6841.4	6380.9
17.5°	8553.2	8565.3	8588.7	8627.3	8588.7	8565.3	8553.2	8384.2	8167.4	7941.1	7300.4
15°	10007.6	10036.8	10185.6	10318.2	10185.6	10036.8	10007.6	9844.0	9475.0	9148.5	8417.4
12.5°	10638.4	10739.7	10755.4	10792.7	10755.4	10739.7	10638.4	10407.8	10159.3	9743.0	9079.6
10°	10848.9	11024.3	11020.5	11064.5	11020.5	11024.3	10848.9	10648.3	10445.5	10090.2	9395.8
7.5°	11008.6	11196.9	11276.5	11310.4	11276.5	11196.9	11008.6	10872.7	10672.5	10328.2	9618.2
5°	11203.7	11307.2	11444.6	11405.3	11444.6	11307.2	11203.7	11033.1	10779.8	10414.0	9766.5
2.5°	11285.4	11447.6	11410.1	11448.4	11410.1	11447.6	11285.4	11055.3	10822.4	10528.1	9961.5
0°	11340.6	11457.0	11474.3	11513.1	11474.3	11457.0	11340.6	11112.0	10874.7	10590.0	10016.3
-2.5°	11273.7	11376.2	11555.7	11500.2	11555.7	11376.2	11273.7	11063.9	10838.2	10550.9	10034.8
-5°	11215.0	11467.3	11369.3	11491.6	11369.3	11467.3	11215.0	10991.7	10767.3	10456.7	9916.8
-7.5°	11184.8	11229.9	11294.9	11388.0	11294.9	11229.9	11184.8	10930.6	10685.0	10357.5	9810.6
-10°	10950.6	10996.8	11116.2	11181.0	11116.2	10996.8	10950.6	10834.2	10548.0	10200.2	9676.8
-12.5°	10696.7	10786.0	10911.5	10952.4	10911.5	10786.0	10696.7	10567.5	10363.0	9983.7	9463.3
-15°	10404.2	10536.9	10659.2	10684.9	10659.2	10536.9	10404.2	10251.6	10025.6	9717.0	9206.0
-17.5°	10032.3	10191.4	10319.9	10348.4	10319.9	10191.4	10032.3	9861.4	9639.3	9363.6	8947.1
-20°	9622.4	9774.9	9884.2	9917.1	9884.2	9774.9	9622.4	9443.4	9233.7	8968.8	8576.3



REPORT NUMBER: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-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°	9183.6	9320.9	9413.3	9399.4	9413.3	9320.9	9183.6	9006.0	8812.1	8570.9	8148.8
-25°	8717.8	8845.1	8933.1	8920.6	8933.1	8845.1	8717.8	8562.7	8370.5	8114.2	7736.2
-27.5°	8225.2	8345.9	8430.5	8433.2	8430.5	8345.9	8225.2	8076.0	7882.6	7624.4	7301.7
-30°	7707.7	7817.3	7886.0	7859.5	7886.0	7817.3	7707.7	7563.0	7383.5	7132.5	6792.2
-32.5°	7173.9	7273.0	7336.1	7354.8	7336.1	7273.0	7173.9	7048.1	6896.8	6667.0	6303.3
-35°	6647.4	6734.8	6789.2	6802.6	6789.2	6734.8	6647.4	6532.5	6385.1	6203.2	5844.1
-37.5°	6124.3	6199.5	6237.5	6220.3	6237.5	6199.5	6124.3	6018.6	5885.7	5729.4	5419.1
-40°	5607.4	5679.0	5722.5	5732.8	5722.5	5679.0	5607.4	5511.3	5387.9	5235.5	4986.6
-42.5°	5099.2	5158.7	5196.9	5215.2	5196.9	5158.7	5099.2	5016.5	4886.5	4717.4	4517.3
-45°	4605.9	4659.1	4694.9	4714.8	4694.9	4659.1	4605.9	4531.9	4405.3	4241.8	4054.4
-47.5°	4125.9	4172.6	4203.5	4218.7	4203.5	4172.6	4125.9	4061.0	3948.0	3786.5	3601.5
-50°	3667.0	3707.4	3736.3	3752.9	3736.3	3707.4	3667.0	3610.8	3514.6	3357.7	3182.1
-52.5°	3231.8	3267.1	3291.7	3304.3	3291.7	3267.1	3231.8	3182.9	3106.1	2957.6	2795.9
-55°	2816.2	2844.9	2867.6	2881.5	2867.6	2844.9	2816.2	2776.0	2720.9	2583.3	2434.5
-57.5°	2428.7	2452.1	2473.6	2489.0	2473.6	2452.1	2428.7	2394.5	2349.4	2231.5	2101.3
-60°	2065.9	2088.0	2106.4	2118.0	2106.4	2088.0	2065.9	2035.6	1997.2	1908.3	1802.7
-62.5°	1738.6	1758.1	1774.9	1785.9	1774.9	1758.1	1738.6	1711.5	1676.8	1608.4	1523.0
-65°	1424.8	1442.3	1454.8	1462.3	1454.8	1442.3	1424.8	1401.2	1371.2	1322.2	1259.0
-67.5°	1160.3	1180.5	1184.4	1181.9	1184.4	1180.5	1160.3	1135.8	1107.0	1069.2	1021.8
-70°	924.1	941.2	945.2	944.7	945.2	941.2	924.1	904.4	882.2	855.0	819.7
-72.5°	722.6	731.9	724.0	711.8	724.0	731.9	722.6	711.9	700.4	685.0	658.7
-75°	542.2	536.3	527.9	517.6	527.9	536.3	542.2	547.0	550.8	549.8	530.4
-77.5°	397.1	382.4	372.8	362.3	372.8	382.4	397.1	410.5	422.7	430.4	417.1
-80°	276.5	262.1	252.2	241.6	252.2	262.1	276.5	289.9	302.4	312.5	308.1
-82.5°	175.1	163.3	157.3	151.0	157.3	163.3	175.1	186.4	196.9	206.0	203.3
-85°	97.3	90.3	86.2	82.0	86.2	90.3	97.3	103.9	110.0	115.5	112.5
-87.5°	43.0	43.0	40.9	38.8	40.9	43.0	43.0	42.8	42.7	42.5	41.2
-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: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	23.8	22.7	21.6	20.5	19.5	18.4	17.3	16.2	15.1	14.0	12.9
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	0.5	0.2	0.0	0.5
67.5°	0.0	0.0	0.8	1.8	2.2	2.2	2.0	2.2	2.6	2.3	2.2
65°	2.6	1.6	1.0	2.1	3.2	4.3	4.5	4.0	3.9	4.5	5.3
62.5°	8.7	9.0	7.8	6.5	5.7	6.3	6.8	7.3	6.4	5.1	6.7
60°	26.0	15.8	23.0	24.7	19.6	17.0	25.5	24.2	12.6	10.9	9.8
57.5°	125.1	104.7	114.9	104.4	71.5	62.4	64.7	61.7	55.8	34.2	14.6
55°	431.3	369.6	290.4	250.8	241.6	184.8	137.8	115.0	104.3	75.2	49.9
52.5°	547.9	509.4	449.4	366.8	322.7	306.1	261.7	209.4	166.4	133.0	95.5
50°	687.0	697.3	635.7	521.3	476.1	427.2	384.0	323.5	269.0	215.8	159.2
47.5°	1120.7	1044.0	982.3	896.9	734.7	631.2	563.2	464.1	389.4	325.0	255.3
45°	1494.3	1406.4	1346.1	1213.6	1041.4	881.2	774.3	650.0	517.8	431.6	368.4
42.5°	1759.7	1645.9	1546.7	1438.7	1274.1	1093.5	946.8	823.9	684.8	545.1	461.0
40°	2019.3	1839.0	1740.7	1644.0	1488.8	1286.2	1172.0	991.4	846.2	691.3	576.4
37.5°	2406.5	2100.0	2065.3	1972.1	1796.6	1585.9	1457.3	1279.2	1009.9	863.9	731.8
35°	3061.0	2745.2	2562.9	2471.5	2244.0	1975.4	1763.9	1597.5	1330.3	1042.7	890.5
32.5°	3782.1	3382.5	3105.8	2975.5	2731.3	2366.9	2105.9	1894.3	1626.1	1300.6	1056.5
30°	4189.3	3824.9	3491.7	3268.8	3031.5	2718.3	2418.7	2119.9	1828.8	1559.5	1236.3
27.5°	4568.2	4113.8	3754.6	3503.1	3280.9	2979.7	2648.3	2328.1	2008.2	1742.0	1453.8
25°	4929.3	4425.7	4034.2	3739.0	3480.5	3242.1	2867.5	2517.6	2183.9	1889.8	1664.3
22.5°	5265.6	4798.2	4347.0	3961.0	3742.1	3486.1	3116.7	2692.9	2366.9	2119.6	1854.2
20°	5819.5	5296.2	4725.0	4391.0	4187.4	3792.0	3374.0	2954.9	2655.5	2372.3	2060.2
17.5°	6732.5	6079.6	5396.6	5038.9	4750.6	4265.7	3733.0	3317.2	2943.4	2627.8	2284.3
15°	7732.1	6891.6	6214.9	5752.9	5296.2	4728.0	4111.6	3662.4	3237.6	2882.5	2490.3
12.5°	8226.1	7426.0	6827.4	6176.2	5587.0	5072.3	4488.9	3993.6	3511.6	3048.8	2617.7
10°	8521.0	7725.8	7048.7	6398.7	5808.1	5312.8	4771.0	4184.2	3648.6	3158.9	2724.0
7.5°	8750.2	7931.0	7209.8	6562.7	5964.2	5441.8	4923.3	4308.1	3758.2	3247.9	2809.2
5°	8908.9	8090.8	7359.6	6705.3	6075.3	5534.3	5036.3	4402.0	3839.9	3315.4	2874.0
2.5°	9072.6	8214.9	7453.4	6797.5	6146.1	5593.0	5104.8	4473.6	3906.3	3365.5	2928.0
0°	9136.3	8286.5	7518.7	6845.8	6185.8	5616.4	5124.6	4520.7	3951.3	3394.8	2963.5
-2.5°	9177.3	8310.0	7544.3	6877.1	6238.2	5653.3	5146.9	4573.6	3965.6	3426.4	2973.4
-5°	9115.0	8282.4	7522.8	6851.2	6239.3	5656.1	5131.4	4581.4	3962.0	3434.8	2965.7
-7.5°	9038.6	8209.4	7441.2	6782.4	6194.3	5617.2	5085.0	4547.1	3948.4	3421.0	2951.1
-10°	8909.4	8092.9	7361.7	6710.7	6115.3	5534.1	5017.4	4482.0	3904.3	3381.9	2916.9
-12.5°	8736.9	7945.8	7223.6	6579.9	6008.7	5448.5	4942.5	4392.1	3829.1	3316.7	2862.6
-15°	8509.1	7753.4	7052.8	6425.3	5872.7	5337.2	4831.5	4292.6	3755.7	3236.3	2788.2
-17.5°	8259.7	7499.4	6809.5	6218.3	5694.3	5186.6	4690.4	4188.1	3671.1	3160.9	2721.2
-20°	7976.7	7230.0	6546.6	5973.6	5479.1	4998.1	4539.2	4071.1	3553.8	3074.2	2650.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-727-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°	7569.4	6909.9	6283.3	5721.4	5248.7	4808.4	4366.5	3913.9	3401.7	2965.5	2555.1
-25°	7166.8	6553.6	5990.3	5474.0	5017.4	4599.2	4169.4	3720.8	3266.2	2837.9	2438.1
-27.5°	6772.7	6204.8	5643.6	5179.4	4769.4	4361.0	3957.2	3532.7	3114.1	2694.3	2328.1
-30°	6347.4	5816.2	5310.2	4874.5	4486.4	4108.5	3745.2	3349.0	2937.2	2538.8	2209.4
-32.5°	5880.3	5414.1	4968.1	4557.9	4195.1	3860.3	3515.6	3140.0	2733.1	2393.4	2072.0
-35°	5426.8	4996.5	4611.6	4249.8	3920.5	3614.1	3280.4	2904.3	2547.0	2228.3	1916.9
-37.5°	5021.0	4601.9	4245.4	3933.7	3658.7	3368.1	3035.4	2701.7	2365.7	2044.4	1772.7
-40°	4601.1	4210.0	3893.5	3640.1	3376.8	3115.3	2822.5	2512.1	2180.6	1866.7	1631.3
-42.5°	4194.1	3878.5	3566.5	3312.8	3076.9	2862.7	2615.7	2302.4	1997.7	1725.0	1498.7
-45°	3795.6	3508.9	3224.0	2992.7	2796.4	2595.7	2374.8	2090.0	1816.4	1582.3	1368.8
-47.5°	3386.1	3144.7	2907.1	2692.1	2516.6	2321.7	2108.4	1867.2	1642.9	1432.0	1242.9
-50°	2993.0	2797.1	2604.9	2418.6	2241.1	2050.7	1860.2	1665.5	1465.4	1281.5	1110.0
-52.5°	2622.8	2460.6	2298.2	2135.2	1980.0	1813.6	1637.8	1464.6	1288.6	1135.0	981.8
-55°	2274.6	2135.6	2006.8	1876.0	1745.2	1595.1	1436.6	1280.6	1140.1	998.9	874.1
-57.5°	1966.4	1844.3	1741.8	1635.1	1524.5	1391.6	1256.0	1124.1	1007.6	890.8	775.2
-60°	1694.0	1587.6	1499.7	1406.7	1308.6	1197.5	1089.8	985.4	884.7	789.3	689.8
-62.5°	1436.8	1350.9	1271.8	1193.0	1113.3	1029.1	937.0	852.8	774.7	694.4	604.4
-65°	1193.5	1126.3	1059.8	996.2	930.6	862.9	789.7	723.0	659.3	594.1	516.3
-67.5°	971.6	919.0	865.1	811.8	760.7	707.0	651.3	595.8	543.8	490.7	427.4
-70°	782.1	742.5	700.6	656.2	613.9	571.8	528.7	483.8	436.2	392.8	349.6
-72.5°	631.2	602.8	571.5	535.6	497.5	461.2	426.2	391.1	355.0	317.9	280.1
-75°	510.1	489.2	465.4	435.4	404.6	373.0	343.6	313.4	280.4	244.4	209.3
-77.5°	403.9	391.1	376.5	352.6	328.3	303.9	277.6	244.7	211.1	177.9	148.9
-80°	302.8	296.8	288.1	267.3	246.4	225.7	203.7	175.0	146.4	119.6	98.1
-82.5°	199.9	195.7	190.1	176.2	162.5	149.0	135.2	115.2	96.1	78.0	62.1
-85°	109.2	105.7	101.8	95.2	88.6	82.1	75.4	64.4	54.1	44.4	35.8
-87.5°	39.9	38.6	37.2	35.8	34.3	32.9	31.4	28.1	25.0	22.0	19.1
-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: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-727-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°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	11.8	10.8	9.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.3
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.7	1.3
82.5°	0.0	0.0	0.0	0.1	0.7	1.1	1.3	1.1	0.6	0.1	0.3
80°	0.0	0.0	0.0	0.1	1.1	2.3	2.8	2.9	2.3	1.6	0.8
77.5°	0.0	0.0	0.0	0.0	0.4	1.2	2.4	3.9	3.9	3.0	2.1
75°	0.0	0.0	0.0	0.2	0.3	0.1	0.9	2.3	3.5	4.2	3.4
72.5°	0.0	0.0	0.0	0.5	1.1	1.2	0.7	0.7	2.5	3.7	4.2
70°	0.6	0.2	0.0	0.7	1.8	2.6	2.4	2.0	1.6	3.2	4.1
67.5°	2.0	2.2	1.6	1.2	1.9	3.0	4.0	3.8	3.3	2.8	4.0
65°	5.0	4.6	4.2	3.7	3.2	3.2	4.2	5.3	5.0	4.3	3.9
62.5°	7.5	7.5	6.9	6.3	5.6	4.8	4.5	5.9	6.5	5.8	4.9
60°	9.7	10.1	9.6	8.8	7.9	7.0	6.4	6.7	7.5	7.3	6.2
57.5°	13.4	13.0	12.8	11.6	10.3	9.2	8.6	8.4	8.6	8.5	7.4
55°	23.7	16.5	16.6	15.3	13.2	11.3	10.9	10.5	10.0	9.8	8.7
52.5°	59.9	33.3	21.4	19.7	17.2	14.0	13.1	12.5	11.9	11.2	10.0
50°	110.6	71.6	40.6	25.5	21.7	18.5	15.3	14.6	13.7	12.8	11.2
47.5°	177.1	123.1	80.0	40.1	28.0	23.1	19.2	16.6	15.5	14.4	12.4
45°	272.8	181.5	125.8	79.5	37.3	31.9	23.7	18.6	17.4	15.9	13.6
42.5°	379.6	266.3	176.5	120.1	71.3	44.2	28.4	22.5	19.1	17.5	14.9
40°	484.2	368.0	237.1	165.6	107.5	59.2	40.9	26.9	20.9	19.3	16.4
37.5°	600.0	475.6	332.2	214.1	144.5	90.3	56.0	31.3	23.8	21.1	17.9
35°	743.3	594.9	427.3	285.2	191.4	119.3	72.9	39.9	29.2	22.9	19.5
32.5°	886.4	714.0	530.0	368.0	240.4	145.9	94.8	56.9	35.6	24.9	21.1
30°	1030.4	823.2	626.8	444.5	296.7	188.7	118.4	73.5	42.8	27.0	22.8
27.5°	1160.1	926.2	717.4	524.5	362.8	233.8	143.1	89.5	50.9	30.5	24.4
25°	1306.5	1037.6	806.6	601.0	423.2	280.9	168.4	105.2	62.7	36.8	26.1
22.5°	1494.9	1151.9	889.2	670.3	483.1	325.9	201.0	126.0	75.7	43.3	27.8
20°	1682.3	1263.7	970.2	757.2	548.2	376.6	238.7	146.6	88.0	50.1	29.5
17.5°	1866.1	1406.8	1087.9	845.9	617.8	424.0	273.9	166.9	99.6	57.1	31.2
15°	2031.0	1570.9	1203.7	929.9	686.1	467.8	306.4	186.6	110.5	64.1	33.3
12.5°	2169.4	1712.3	1312.8	1008.4	751.8	507.9	336.2	205.5	120.5	71.8	36.3
10°	2283.7	1831.9	1413.8	1081.0	813.8	543.9	363.0	224.5	132.3	80.0	39.5
7.5°	2375.1	1930.6	1505.8	1146.9	870.2	577.6	391.8	244.4	143.7	87.9	42.7
5°	2443.9	2007.7	1576.9	1194.1	915.0	608.5	418.4	262.6	154.2	95.2	45.9
2.5°	2488.5	2064.5	1629.6	1231.2	951.4	634.6	441.8	279.1	163.9	101.9	48.9
0°	2514.9	2105.1	1669.4	1259.6	979.2	655.7	461.6	293.3	172.5	107.8	51.8
-2.5°	2538.4	2131.7	1704.2	1309.2	998.3	690.3	474.3	306.2	186.1	112.1	57.1
-5°	2546.2	2143.4	1726.9	1347.5	1009.8	718.4	483.2	316.7	198.1	115.5	61.9
-7.5°	2533.0	2136.3	1734.9	1369.2	1015.2	738.1	488.3	324.9	207.8	118.2	66.1
-10°	2503.8	2113.2	1724.4	1362.6	1022.5	744.3	491.3	330.9	214.9	120.2	69.6
-12.5°	2460.6	2078.3	1701.7	1348.1	1021.3	740.4	499.4	335.7	218.6	121.6	72.2
-15°	2403.9	2032.6	1667.1	1326.8	1009.0	731.5	501.5	337.4	218.2	124.1	73.7
-17.5°	2337.2	1977.2	1620.6	1299.5	985.1	718.1	496.9	335.3	216.0	127.9	75.3
-20°	2270.4	1915.7	1565.5	1267.4	949.0	700.6	485.4	329.1	212.0	130.3	76.8

Classified

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Scaled Data Report



REPORT NUMBER: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-727-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°	2192.1	1845.0	1517.9	1222.5	909.9	679.6	466.5	318.7	206.4	131.3	77.5
-25°	2102.2	1762.4	1460.7	1160.8	879.2	655.9	447.0	303.8	199.1	131.0	77.3
-27.5°	2000.4	1674.3	1393.3	1093.2	847.2	622.8	428.5	292.9	192.8	129.1	76.1
-30°	1886.9	1591.3	1312.7	1028.2	808.1	586.9	404.3	280.6	190.0	126.7	74.0
-32.5°	1764.6	1497.8	1226.1	978.6	763.7	549.7	382.9	266.8	185.3	123.6	74.1
-35°	1649.9	1396.1	1137.6	921.5	716.6	527.7	368.6	251.4	178.6	119.3	74.5
-37.5°	1527.1	1289.4	1067.7	861.9	667.0	502.4	357.0	244.5	169.9	113.8	74.3
-40°	1408.9	1188.3	986.6	805.0	630.2	473.9	338.8	236.8	161.6	107.1	73.3
-42.5°	1289.2	1093.2	909.1	743.2	595.6	446.3	315.4	225.1	154.9	103.3	71.6
-45°	1179.1	995.0	826.6	689.3	557.1	411.0	297.5	210.3	146.7	100.5	70.1
-47.5°	1063.4	895.0	751.3	630.3	506.7	372.7	274.6	198.7	136.8	96.9	69.0
-50°	943.9	800.3	680.8	565.4	445.1	340.6	250.2	184.9	133.3	94.0	67.3
-52.5°	839.4	717.1	608.7	498.7	398.6	303.2	231.7	170.0	128.6	91.6	65.0
-55°	749.3	638.0	537.6	444.0	354.3	275.7	210.8	162.9	122.7	88.6	62.0
-57.5°	669.8	564.6	479.4	395.3	317.3	249.2	196.1	154.5	116.6	84.4	59.4
-60°	592.4	506.2	426.4	351.5	282.8	226.3	184.6	144.9	109.3	79.1	56.5
-62.5°	520.9	445.0	375.6	307.9	251.9	207.7	171.4	133.6	100.7	72.6	52.7
-65°	445.9	381.2	322.5	269.4	223.8	185.9	154.3	120.7	89.3	64.6	47.7
-67.5°	367.9	320.4	274.7	230.4	193.1	161.3	134.7	103.7	76.1	55.5	41.9
-70°	306.4	264.6	225.9	191.1	160.7	134.7	110.1	83.8	61.3	47.5	35.7
-72.5°	243.9	209.8	178.1	150.4	128.7	106.7	84.3	64.2	50.9	39.2	29.2
-75°	180.5	157.5	136.8	117.6	98.0	78.8	64.2	51.0	40.1	30.5	24.6
-77.5°	131.0	114.3	99.1	87.0	73.5	60.7	48.5	37.4	30.3	25.3	20.7
-80°	89.0	80.3	71.9	63.3	52.5	42.3	35.0	28.8	24.5	20.4	16.6
-82.5°	56.1	51.4	47.3	43.0	36.7	31.0	26.0	21.8	18.5	15.4	13.5
-85°	33.3	30.8	28.4	26.0	22.5	19.4	17.9	16.6	15.1	13.7	12.2
-87.5°	18.8	18.5	18.2	17.9	17.0	16.2	15.4	14.7	13.5	12.2	11.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.2

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REPORT NUMBER: P627560 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.6	7.5	6.5	5.4	4.3	4.3	4.3
87.5°	3.2	3.6	3.9	4.2	4.3	4.3	4.3
85°	2.1	2.9	3.6	4.0	4.3	4.3	4.3
82.5°	1.0	2.2	3.2	3.9	4.3	4.3	4.3
80°	0.2	1.6	2.9	3.8	4.3	4.3	4.3
77.5°	1.3	1.4	2.5	3.7	4.3	4.3	4.3
75°	2.4	2.1	2.4	3.6	4.3	4.3	4.3
72.5°	3.4	2.8	2.7	3.5	4.3	4.3	4.3
70°	4.3	3.4	3.1	3.4	4.3	4.3	4.3
67.5°	4.4	4.0	3.4	3.6	4.3	4.3	4.3
65°	4.6	4.5	3.7	3.7	4.3	4.3	4.3
62.5°	4.8	4.8	4.0	3.9	4.3	4.3	4.3
60°	5.1	5.2	4.3	4.0	4.3	4.3	4.3
57.5°	6.1	5.6	4.7	4.1	4.3	4.3	4.3
55°	7.2	6.0	5.1	4.2	4.4	4.3	4.3
52.5°	8.3	6.6	5.6	4.2	4.5	4.3	4.3
50°	9.3	7.5	6.1	4.3	4.6	4.3	4.3
47.5°	10.4	8.3	6.6	4.4	4.7	4.3	4.3
45°	11.4	9.2	7.1	4.8	4.8	4.3	4.3
42.5°	12.4	10.0	7.6	5.2	5.0	4.3	4.3
40°	13.3	10.8	8.2	5.7	5.1	4.3	4.3
37.5°	14.3	11.6	8.8	6.3	5.3	4.3	4.3
35°	15.2	12.3	9.4	6.8	5.5	4.3	4.3
32.5°	16.2	13.0	10.0	7.4	5.7	4.3	4.3
30°	17.5	13.7	10.6	7.9	5.9	4.3	4.3
27.5°	18.8	14.4	11.2	8.4	6.1	4.3	4.3
25°	20.1	15.1	11.9	8.9	6.3	4.3	4.3
22.5°	21.3	15.7	12.6	9.4	6.5	4.3	4.3
20°	22.6	16.5	13.2	9.9	6.8	4.3	4.3
17.5°	23.8	17.3	13.8	10.4	7.0	4.3	4.3
15°	25.0	18.0	14.4	10.8	7.3	4.3	4.3
12.5°	26.1	18.7	15.0	11.2	7.5	4.3	4.3
10°	27.1	19.4	15.5	11.6	7.7	4.3	4.3
7.5°	28.0	20.0	16.0	11.9	8.0	4.3	4.3
5°	28.8	20.6	16.5	12.3	8.2	4.3	4.3
2.5°	29.6	21.1	16.9	12.6	8.4	4.3	4.3
0°	30.2	21.6	17.3	12.9	8.6	4.3	4.3
-2.5°	31.9	22.1	17.7	12.9	8.6	4.3	4.3
-5°	33.4	22.5	18.0	12.9	8.6	4.3	4.3
-7.5°	34.7	22.8	18.2	12.8	8.5	4.3	4.3
-10°	35.8	23.2	18.4	12.7	8.5	4.3	4.3
-12.5°	36.7	23.4	18.6	12.6	8.4	4.3	4.3
-15°	37.2	23.7	18.6	12.5	8.3	4.3	4.3
-17.5°	37.4	23.9	18.6	12.3	8.2	4.3	4.3
-20°	38.4	24.0	18.5	12.1	8.1	4.3	4.3

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CATALOG NUMBER: GFLD-SA5B-727-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	40.8	24.1	18.2	11.9	7.9	4.3	4.3
-25°	42.9	25.7	17.9	11.7	7.8	4.3	4.3
-27.5°	44.4	27.7	17.5	11.4	7.6	4.3	4.3
-30°	45.5	29.4	17.0	11.2	7.4	4.3	4.3
-32.5°	46.1	30.9	17.7	10.9	7.3	4.3	4.3
-35°	47.4	32.0	18.1	10.6	7.0	4.3	4.3
-37.5°	48.6	32.7	18.4	10.2	6.8	4.3	4.3
-40°	49.4	32.9	18.5	9.9	6.6	4.3	4.3
-42.5°	49.6	32.9	18.7	9.7	6.3	4.3	4.3
-45°	49.4	32.7	18.8	9.7	6.1	4.3	4.3
-47.5°	48.6	32.2	18.6	9.7	5.8	4.3	4.3
-50°	47.6	31.5	18.3	9.5	5.5	4.3	4.3
-52.5°	46.3	30.5	17.8	9.4	5.2	4.3	4.3
-55°	44.6	29.2	17.0	9.1	4.9	4.3	4.3
-57.5°	42.7	27.7	16.0	8.8	4.6	4.3	4.3
-60°	40.3	25.8	14.9	8.4	4.3	4.3	4.3
-62.5°	37.1	23.6	14.1	7.9	4.3	4.3	4.3
-65°	33.4	21.1	13.2	7.4	4.3	4.3	4.3
-67.5°	29.4	19.0	12.1	6.8	4.3	4.3	4.3
-70°	25.0	17.2	11.0	6.2	4.3	4.3	4.3
-72.5°	22.1	15.4	9.8	6.1	4.3	4.3	4.3
-75°	19.2	13.4	8.6	6.0	4.3	4.3	4.3
-77.5°	16.2	11.3	8.1	5.9	4.3	4.3	4.3
-80°	13.1	10.2	7.8	5.9	4.3	4.3	4.3
-82.5°	11.8	9.5	7.5	5.8	4.3	4.3	4.3
-85°	10.8	8.9	7.2	5.6	4.3	4.3	4.3
-87.5°	9.7	8.2	6.8	5.5	4.3	4.3	4.3
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)