

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: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627040 (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-SA2E-735-U-VWR-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

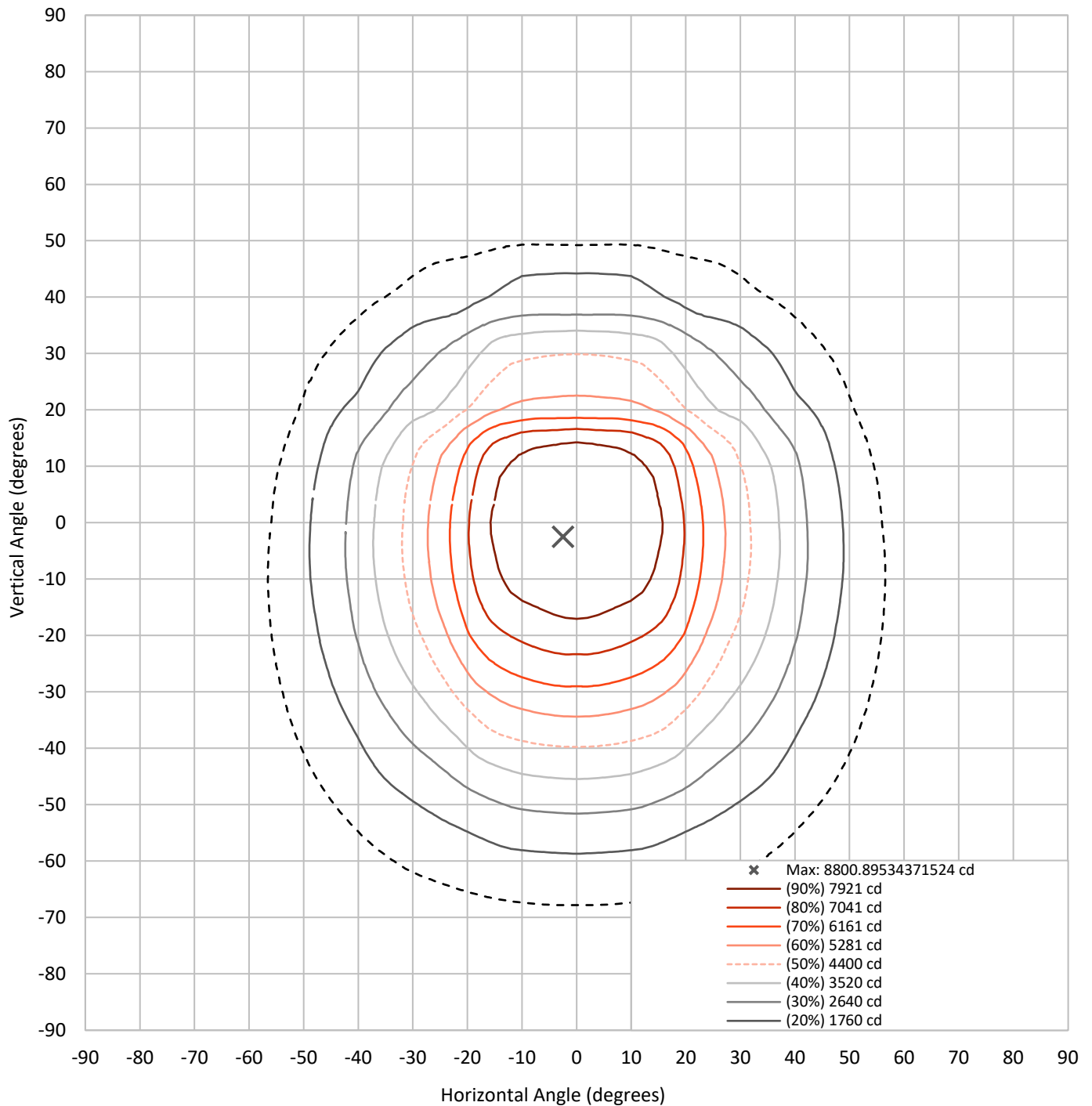
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	11745.1 lumens	Max Intensity:	8800.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	93.4 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:	6795.3 lumens	Field Lumens:	11145.3 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	125.7		
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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CATALOG NUMBER: GFLD-SA2E-735-U-VWR-VSR-XX

Iso-Candela Plot





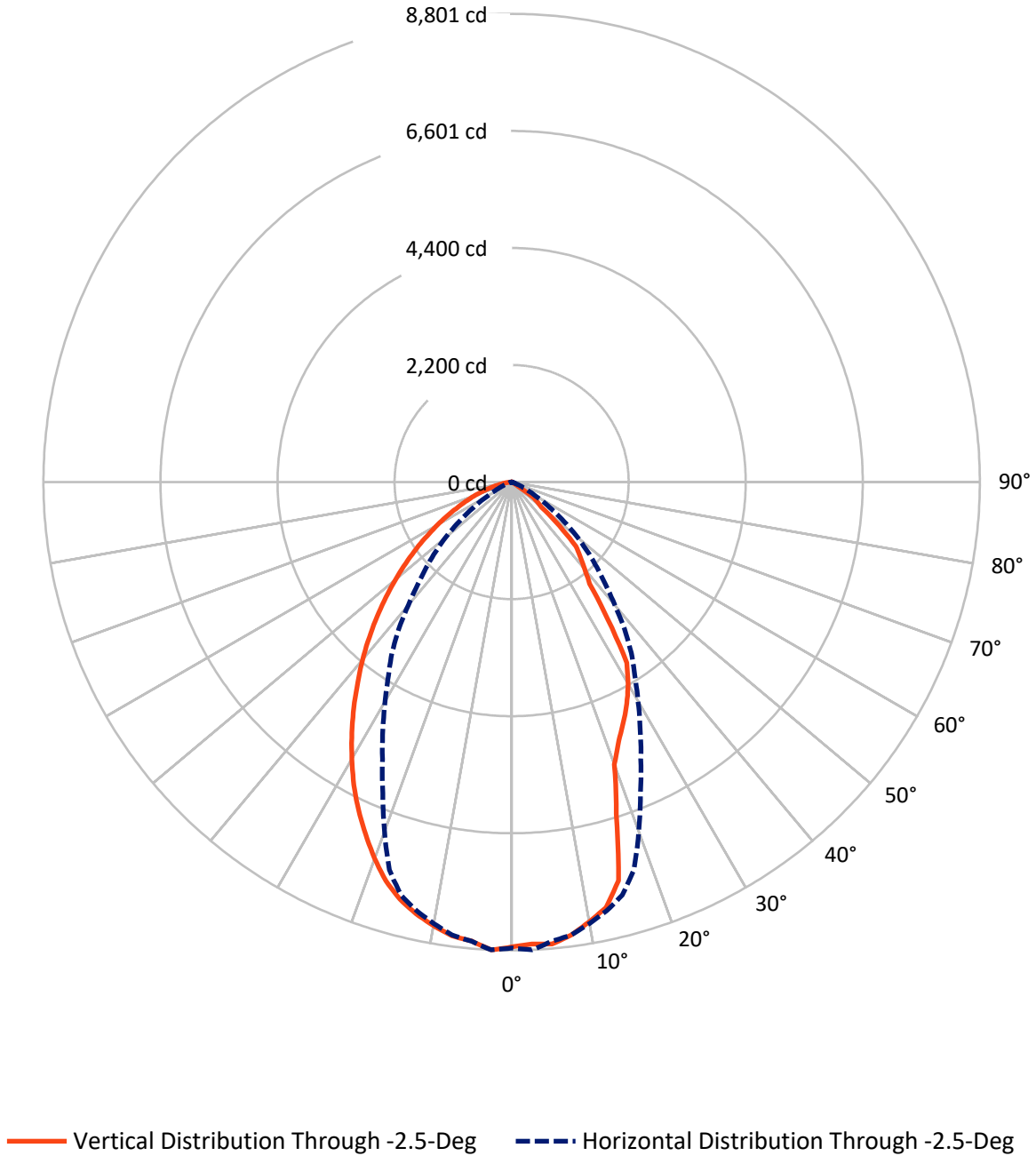
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Lumen Table

90																			
80	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0					
70																			
60	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1				
50		0.1	0.2	1.1	3.2	6.2	9.2	11.4	11.4	9.2	6.2	3.2	1.1	0.2		0.1			
40	0.2	0.2	1.3	6.0	14.6	26.2	38.7	47.4	47.4	38.7	26.2	14.6	6.0	1.3	0.2	0.2			
30		0.6	4.4	15.3	34.0	55.2	82.7	96.7	96.7	82.7	55.2	34.0	15.3	4.4	0.6				
20	0.4	1.3	8.5	27.0	54.8	87.0	130.4	149.9	149.9	130.4	87.0	54.8	27.0	8.5	1.3	0.4			
10		2.2	13.0	40.0	79.0	130.0	193.6	222.0	222.0	193.6	130.0	79.0	40.0	13.0	2.2				
0	0.6	3.0	16.8	47.5	94.5	155.4	228.6	259.4	259.4	228.6	155.4	94.5	47.5	16.8	3.0	0.6			
-10		3.6	18.6	49.3	97.0	159.0	230.3	260.4	260.4	230.3	159.0	97.0	49.3	18.6	3.6				
-20	0.7	3.8	18.1	46.7	91.5	148.8	213.7	241.5	241.5	213.7	148.8	91.5	46.7	18.1	3.8	0.7			
-30		3.4	15.9	40.7	79.0	126.5	179.2	202.9	202.9	179.2	126.5	79.0	40.7	15.9	3.4				
-40	0.7	2.9	12.7	32.0	62.2	97.6	136.8	154.9	154.9	136.8	97.6	62.2	32.0	12.7	2.9	0.7			
-50		2.3	9.3	22.8	44.5	68.6	94.7	107.5	107.5	94.7	68.6	44.5	22.8	9.3	2.3				
-60	0.6	1.7	6.1	14.7	27.7	42.6	57.9	66.0	66.0	57.9	42.6	27.7	14.7	6.1	1.7	0.6			
-70		1.2	3.7	8.6	15.2	22.6	29.9	33.9	33.9	29.9	22.6	15.2	8.6	3.7	1.2				
-80	0.2	2.7	12.7	27.6	30.8	27.6	12.7	2.7	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

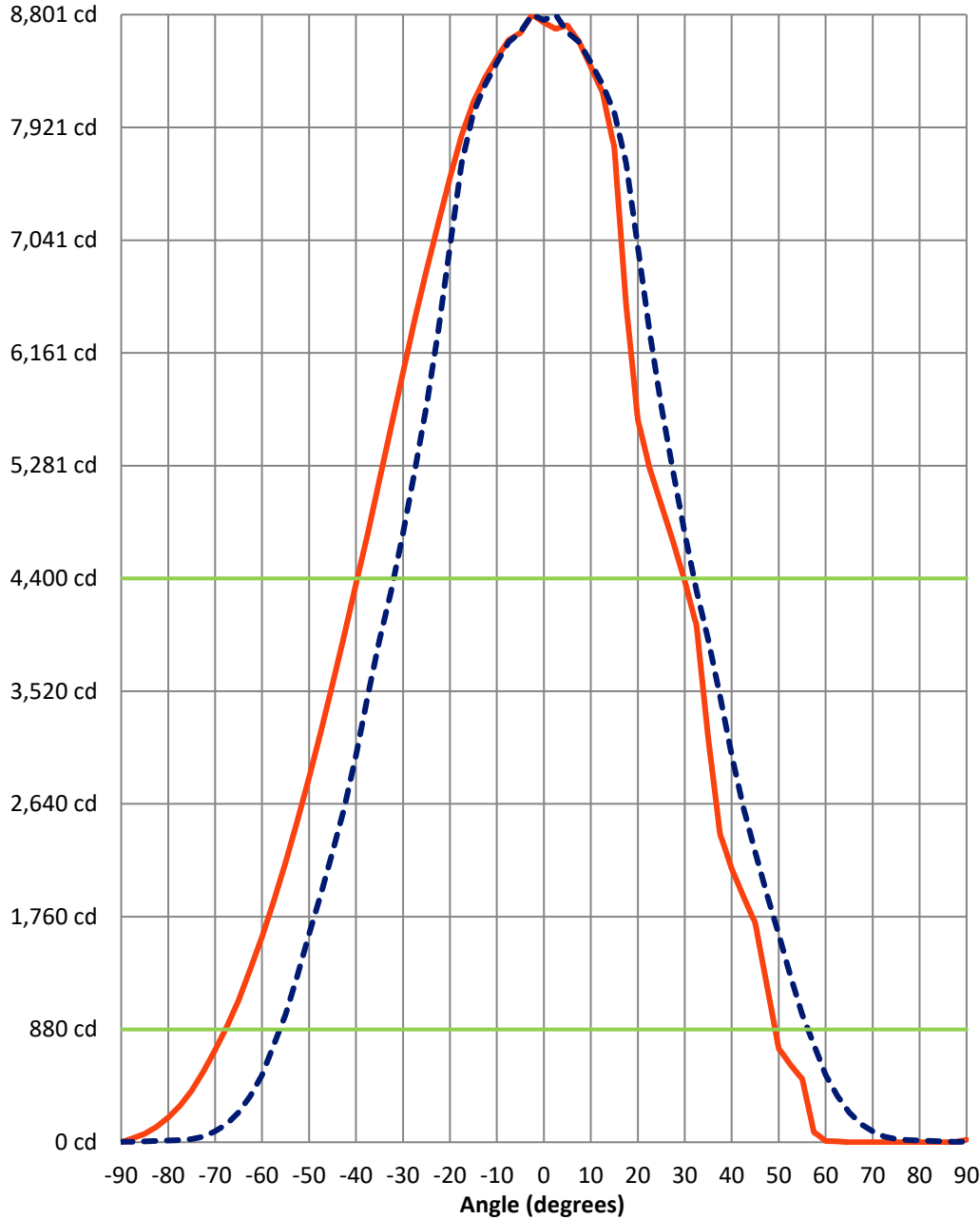
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 6795.3
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 11145.3
 Efficiency: 94.9%

Spill:
 Lumens: 599.8
 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°	3.3	3.3	3.3	4.1	5.0	5.8	6.6	7.4	8.3	9.1	9.9
87.5°	3.3	3.3	3.3	3.2	3.0	2.8	2.4	1.7	1.1	0.5	0.0
85°	3.3	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.5	0.2	0.0
82.5°	3.3	3.3	3.3	3.0	2.5	1.7	0.8	0.3	0.1	0.5	0.9
80°	3.3	3.3	3.3	2.9	2.2	1.2	0.2	0.7	1.2	1.7	2.3
77.5°	3.3	3.3	3.3	2.8	1.9	1.1	1.0	1.6	2.3	3.0	3.0
75°	3.3	3.3	3.3	2.7	1.8	1.6	1.8	2.6	3.3	2.7	1.7
72.5°	3.3	3.3	3.3	2.7	2.1	2.1	2.6	3.3	2.8	1.9	0.6
70°	3.3	3.3	3.3	2.6	2.4	2.6	3.3	3.1	2.4	1.3	1.5
67.5°	3.3	3.3	3.3	2.8	2.6	3.1	3.4	3.0	2.1	2.6	2.9
65°	3.3	3.3	3.3	2.9	2.9	3.4	3.5	3.0	3.3	3.8	4.1
62.5°	3.3	3.3	3.3	3.0	3.1	3.7	3.7	3.7	4.4	5.0	4.6
60°	3.3	3.3	3.3	3.1	3.3	4.0	3.9	4.7	5.6	5.8	5.2
57.5°	3.3	3.3	3.3	3.1	3.6	4.3	4.7	5.7	6.5	6.6	6.4
55°	3.3	3.3	3.4	3.2	3.9	4.6	5.5	6.7	7.5	7.7	8.0
52.5°	3.3	3.3	3.4	3.2	4.3	5.1	6.4	7.6	8.6	9.0	9.5
50°	3.3	3.3	3.5	3.3	4.7	5.7	7.2	8.6	9.8	10.4	11.1
47.5°	3.3	3.3	3.6	3.4	5.0	6.4	8.0	9.5	11.0	11.8	12.6
45°	3.3	3.3	3.7	3.7	5.4	7.0	8.7	10.4	12.1	13.2	14.1
42.5°	3.3	3.3	3.8	4.0	5.9	7.7	9.5	11.4	13.3	14.5	17.2
40°	3.3	3.3	3.9	4.4	6.3	8.3	10.2	12.5	14.6	15.9	20.5
37.5°	3.3	3.3	4.1	4.8	6.8	8.9	10.9	13.6	16.0	18.1	23.9
35°	3.3	3.3	4.2	5.3	7.2	9.4	11.6	14.8	17.4	22.2	30.4
32.5°	3.3	3.3	4.3	5.7	7.7	10.0	12.3	16.0	18.9	27.1	43.4
30°	3.3	3.3	4.5	6.1	8.1	10.5	13.3	17.3	20.5	32.6	56.0
27.5°	3.3	3.3	4.7	6.5	8.6	11.0	14.3	18.6	23.2	38.8	68.2
25°	3.3	3.3	4.8	6.9	9.1	11.5	15.2	19.9	28.0	47.8	80.1
22.5°	3.3	3.3	5.0	7.2	9.6	12.0	16.2	21.2	33.0	57.6	96.0
20°	3.3	3.3	5.2	7.6	10.1	12.6	17.1	22.5	38.2	67.0	111.7
17.5°	3.3	3.3	5.4	7.9	10.5	13.1	18.1	23.7	43.5	75.8	127.1
15°	3.3	3.3	5.6	8.3	11.0	13.7	19.0	25.4	48.8	84.1	142.1
12.5°	3.3	3.3	5.8	8.6	11.4	14.2	19.8	27.7	54.7	91.8	156.5
10°	3.3	3.3	5.9	8.9	11.8	14.7	20.6	30.1	61.0	100.7	170.9
7.5°	3.3	3.3	6.1	9.2	12.1	15.2	21.3	32.5	66.9	109.4	186.1
5°	3.3	3.3	6.3	9.4	12.5	15.6	22.0	34.9	72.5	117.5	200.0
2.5°	3.3	3.3	6.4	9.7	12.8	16.0	22.5	37.2	77.6	124.8	212.5
0°	3.3	3.3	6.6	9.9	13.1	16.4	23.0	39.4	82.1	131.4	223.4
-2.5°	3.3	3.3	6.6	9.9	13.4	16.7	24.3	43.4	85.4	141.8	233.2
-5°	3.3	3.3	6.6	9.9	13.6	17.1	25.5	47.1	88.0	150.9	241.2
-7.5°	3.3	3.3	6.5	9.8	13.8	17.4	26.5	50.3	90.0	158.3	247.5
-10°	3.3	3.3	6.5	9.7	14.0	17.6	27.3	53.0	91.5	163.7	252.1
-12.5°	3.3	3.3	6.4	9.7	14.1	17.8	28.0	54.9	92.6	166.5	255.6
-15°	3.3	3.3	6.4	9.6	14.1	18.0	28.4	56.1	94.5	166.2	257.0
-17.5°	3.3	3.3	6.3	9.4	14.1	18.1	28.5	57.4	97.4	164.5	255.4
-20°	3.3	3.3	6.2	9.3	14.0	18.3	29.3	58.5	99.2	161.5	250.7

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Scaled Data Report



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	3.3	3.3	6.1	9.1	13.9	18.3	31.1	59.1	100.0	157.2	242.7
-25°	3.3	3.3	6.0	9.0	13.6	19.5	32.7	58.9	99.7	151.6	231.3
-27.5°	3.3	3.3	5.9	8.8	13.3	21.1	33.8	58.0	98.3	146.8	223.0
-30°	3.3	3.3	5.7	8.6	13.0	22.4	34.7	56.4	96.5	144.7	213.7
-32.5°	3.3	3.3	5.6	8.3	13.5	23.5	35.1	56.5	94.1	141.1	203.2
-35°	3.3	3.3	5.4	8.1	13.8	24.3	36.0	56.8	90.9	136.0	191.5
-37.5°	3.3	3.3	5.2	7.8	14.1	24.9	37.0	56.5	86.7	129.4	186.2
-40°	3.3	3.3	5.1	7.6	14.2	25.1	37.6	55.8	81.6	123.1	180.4
-42.5°	3.3	3.3	4.9	7.4	14.3	25.1	37.8	54.5	78.6	118.0	171.4
-45°	3.3	3.3	4.7	7.5	14.3	24.9	37.6	53.3	76.5	111.7	160.2
-47.5°	3.3	3.3	4.5	7.4	14.2	24.5	37.0	52.6	73.8	104.2	151.3
-50°	3.3	3.3	4.2	7.3	14.0	24.0	36.3	51.3	71.6	101.5	140.8
-52.5°	3.3	3.3	4.0	7.2	13.6	23.2	35.2	49.5	69.7	97.9	129.5
-55°	3.3	3.3	3.8	7.0	13.0	22.3	34.0	47.2	67.5	93.4	124.1
-57.5°	3.3	3.3	3.5	6.7	12.2	21.1	32.5	45.3	64.3	88.8	117.7
-60°	3.3	3.3	3.3	6.4	11.4	19.6	30.7	43.0	60.3	83.2	110.3
-62.5°	3.3	3.3	3.3	6.1	10.8	18.0	28.2	40.1	55.3	76.7	101.7
-65°	3.3	3.3	3.3	5.7	10.1	16.1	25.4	36.3	49.2	68.1	92.0
-67.5°	3.3	3.3	3.3	5.2	9.3	14.5	22.4	31.9	42.2	57.9	79.0
-70°	3.3	3.3	3.3	4.8	8.4	13.1	19.0	27.2	36.2	46.7	63.9
-72.5°	3.3	3.3	3.3	4.7	7.5	11.7	16.8	22.2	29.8	38.7	48.9
-75°	3.3	3.3	3.3	4.6	6.6	10.2	14.7	18.7	23.2	30.5	38.9
-77.5°	3.3	3.3	3.3	4.6	6.2	8.7	12.4	15.8	19.3	23.1	28.5
-80°	3.3	3.3	3.3	4.5	6.0	7.8	10.0	12.7	15.5	18.6	21.9
-82.5°	3.3	3.3	3.3	4.4	5.8	7.3	9.1	10.3	11.7	14.0	16.5
-85°	3.3	3.3	3.3	4.3	5.5	6.8	8.3	9.4	10.4	11.5	12.6
-87.5°	3.3	3.3	3.3	4.2	5.2	6.3	7.4	8.4	9.4	10.3	11.2
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.5	1.6	0.8	0.0



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CATALOG NUMBER: GFLD-SA2E-735-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°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	10.7	11.5	12.3
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.2	1.8	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.9	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.7	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.5	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.9	2.0	1.4	0.5	0.0	0.2	0.5	0.4	0.0	0.2	0.4
67.5°	3.1	2.3	1.5	0.9	1.2	1.7	1.6	1.7	1.8	2.0	1.7
65°	3.2	2.4	2.5	2.9	3.2	3.6	3.8	4.1	3.4	3.0	3.0
62.5°	3.4	3.7	4.3	4.8	5.3	5.7	5.8	5.1	3.9	4.9	5.6
60°	4.9	5.4	6.1	6.7	7.4	7.7	7.4	7.5	8.3	9.7	18.5
57.5°	6.6	7.1	7.9	8.9	9.8	10.0	10.2	11.1	26.1	42.6	47.0
55°	8.3	8.7	10.1	11.7	12.6	12.5	18.0	38.0	57.4	79.4	87.6
52.5°	10.0	10.7	13.1	15.0	16.2	25.3	45.6	72.7	101.3	126.7	159.5
50°	11.7	14.1	16.5	19.4	30.9	54.5	84.3	121.3	164.3	204.8	246.4
47.5°	14.6	17.6	21.3	30.6	60.9	93.8	134.9	194.4	247.5	296.5	353.4
45°	18.1	24.3	28.4	60.5	95.8	138.2	207.8	280.5	328.7	394.4	495.1
42.5°	21.6	33.6	54.3	91.4	134.5	202.8	289.0	351.1	415.2	521.6	627.5
40°	31.1	45.1	81.9	126.1	180.6	280.2	368.8	439.0	526.5	644.5	755.1
37.5°	42.7	68.8	110.1	163.1	252.9	362.2	457.0	557.3	657.9	769.1	974.2
35°	55.5	90.8	145.8	217.2	325.3	453.1	566.1	678.2	794.1	1013.1	1216.7
32.5°	72.2	111.1	183.1	280.2	403.6	543.8	675.1	804.6	990.5	1238.4	1442.7
30°	90.2	143.7	226.0	338.5	477.4	627.0	784.7	941.5	1187.7	1392.8	1614.5
27.5°	109.0	178.1	276.3	399.4	546.4	705.4	883.5	1107.2	1326.8	1529.4	1773.0
25°	128.3	214.0	322.3	457.7	614.3	790.2	995.0	1267.5	1439.3	1663.2	1917.4
22.5°	153.1	248.2	367.9	510.5	677.2	877.3	1138.5	1412.2	1614.3	1802.6	2051.0
20°	181.8	286.8	417.5	576.7	738.9	962.4	1281.2	1569.1	1806.7	2022.4	2250.5
17.5°	208.6	322.9	470.5	644.3	828.6	1071.4	1421.2	1739.8	2001.3	2241.7	2526.5
15°	233.4	356.3	522.5	708.2	916.8	1196.4	1546.8	1896.6	2195.3	2465.8	2789.3
12.5°	256.1	386.8	572.5	768.0	999.8	1304.1	1652.2	1993.7	2322.0	2674.4	3041.6
10°	276.5	414.2	619.8	823.2	1076.8	1395.2	1739.3	2074.6	2405.8	2778.8	3186.7
7.5°	298.4	439.9	662.7	873.4	1146.8	1470.4	1808.9	2139.6	2473.6	2862.3	3281.1
5°	318.6	463.5	696.8	909.4	1200.9	1529.1	1861.3	2188.9	2525.0	2924.5	3352.6
2.5°	336.4	483.3	724.6	937.6	1241.1	1572.3	1895.3	2230.0	2563.2	2975.0	3407.1
0°	351.5	499.4	745.8	959.3	1271.4	1603.2	1915.3	2257.0	2585.5	3009.3	3443.0
-2.5°	361.2	525.8	760.3	997.1	1297.9	1623.4	1933.2	2264.6	2609.6	3020.2	3483.3
-5°	367.9	547.1	769.1	1026.2	1315.2	1632.4	1939.1	2258.7	2616.0	3017.5	3489.2
-7.5°	371.9	562.1	773.2	1042.8	1321.3	1627.0	1929.2	2247.6	2605.5	3007.1	3463.1
-10°	374.2	566.9	778.8	1037.8	1313.3	1609.4	1906.9	2221.5	2575.7	2973.5	3413.6
-12.5°	380.4	563.9	777.8	1026.8	1296.0	1582.8	1874.0	2180.1	2526.0	2916.2	3345.0
-15°	381.9	557.1	768.5	1010.5	1269.6	1548.0	1830.8	2123.5	2464.8	2860.4	3269.2
-17.5°	378.5	546.9	750.3	989.7	1234.3	1505.9	1780.0	2072.5	2407.3	2796.0	3189.7
-20°	369.7	533.6	722.8	965.2	1192.3	1459.0	1729.2	2018.9	2341.3	2706.6	3100.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	355.3	517.6	693.1	931.0	1156.1	1405.1	1669.5	1946.0	2258.6	2590.7	2980.9
-25°	340.4	499.5	669.6	884.1	1112.5	1342.3	1601.0	1856.8	2161.4	2487.6	2833.8
-27.5°	326.3	474.3	645.3	832.6	1061.1	1275.1	1523.5	1773.1	2052.0	2371.8	2690.6
-30°	307.9	447.0	615.5	783.1	999.8	1211.9	1437.1	1682.7	1933.6	2237.0	2550.7
-32.5°	291.6	418.7	581.6	745.3	933.8	1140.7	1343.9	1578.0	1822.9	2081.5	2391.5
-35°	280.7	401.9	545.7	701.8	866.4	1063.3	1256.6	1459.9	1697.0	1939.8	2212.0
-37.5°	271.9	382.6	508.0	656.4	813.1	982.0	1163.0	1350.1	1557.0	1801.8	2057.6
-40°	258.0	360.9	480.0	613.1	751.4	905.0	1073.0	1242.3	1421.7	1660.8	1913.3
-42.5°	240.3	339.9	453.6	566.0	692.4	832.6	981.9	1141.4	1313.7	1521.4	1753.5
-45°	226.6	313.1	424.3	525.0	629.6	757.8	898.0	1042.5	1205.1	1383.4	1591.8
-47.5°	209.2	283.9	385.9	480.0	572.2	681.6	809.9	946.6	1090.6	1251.3	1422.1
-50°	190.6	259.5	339.0	430.6	518.5	609.5	718.9	845.3	976.0	1116.0	1268.4
-52.5°	176.5	231.0	303.6	379.8	463.6	546.1	639.2	747.7	864.4	981.4	1115.4
-55°	160.6	210.0	269.8	338.2	409.5	485.9	570.7	665.7	760.8	868.3	975.3
-57.5°	149.3	189.8	241.7	301.1	365.1	430.0	510.1	590.3	678.4	767.4	856.1
-60°	140.6	172.4	215.4	267.7	324.8	385.5	451.2	525.3	601.1	673.7	750.5
-62.5°	130.5	158.2	191.8	234.5	286.1	338.9	396.7	460.3	528.9	590.0	649.5
-65°	117.5	141.6	170.4	205.2	245.7	290.3	339.6	393.2	452.5	502.1	550.7
-67.5°	102.6	122.9	147.1	175.4	209.2	244.1	280.2	325.5	373.7	414.1	453.7
-70°	83.9	102.6	122.4	145.5	172.0	201.5	233.4	266.2	299.2	332.2	368.4
-72.5°	64.2	81.3	98.1	114.6	135.6	159.8	185.8	213.4	242.1	270.4	297.9
-75°	49.0	60.0	74.7	89.6	104.2	120.0	137.5	159.5	186.2	213.6	238.7
-77.5°	37.0	46.2	56.0	66.2	75.5	87.1	99.8	113.4	135.5	160.8	186.4
-80°	26.7	32.2	40.0	48.2	54.7	61.1	67.8	74.7	91.1	111.5	133.3
-82.5°	19.8	23.6	27.9	32.7	35.9	39.1	42.7	47.3	59.4	73.2	87.8
-85°	13.6	14.7	17.0	19.7	21.6	23.4	25.3	27.3	33.8	41.2	49.1
-87.5°	11.8	12.3	12.9	13.6	13.9	14.1	14.3	14.5	16.7	19.0	21.4
-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: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.1	13.9	14.8	15.6	16.4	17.2	18.1	18.9	19.7	19.7	19.7
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°	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.5	1.7	1.7	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.5	3.3	2.5	1.6	0.8	1.2	2.0	2.4	2.4	2.2	1.7
62.5°	5.2	4.8	4.3	5.0	6.0	6.9	6.7	6.3	5.9	5.6	5.8
60°	19.5	13.0	15.0	18.8	17.6	12.1	19.8	22.4	19.1	13.1	12.6
57.5°	49.3	47.5	54.4	79.5	87.6	79.8	95.3	115.7	115.1	99.1	98.6
55°	104.9	140.8	184.0	191.0	221.2	281.6	328.6	308.0	307.8	323.3	373.2
52.5°	199.3	233.1	245.7	279.4	342.3	388.0	417.3	447.7	481.0	515.0	549.4
50°	292.5	325.3	362.6	397.1	484.2	531.0	523.2	586.2	666.7	717.0	742.9
47.5°	429.0	480.8	559.6	683.1	748.1	795.1	853.6	924.9	1017.2	1142.3	1238.7
45°	589.8	671.2	793.1	924.3	1025.2	1071.2	1138.1	1248.5	1395.7	1538.9	1643.6
42.5°	721.1	832.8	970.4	1095.7	1178.0	1253.6	1340.2	1433.3	1601.8	1754.9	1875.8
40°	892.6	979.6	1133.9	1252.1	1325.7	1400.6	1537.9	1677.2	1835.7	1978.3	2077.4
37.5°	1109.9	1207.8	1368.3	1501.9	1572.9	1599.4	1832.8	2026.8	2155.6	2337.7	2397.2
35°	1343.4	1504.5	1709.0	1882.3	1951.9	2090.7	2331.2	2601.9	2895.2	3003.1	3095.0
32.5°	1603.8	1802.6	2080.2	2266.2	2365.4	2576.1	2880.4	3169.4	3552.9	3761.0	3823.2
30°	1842.1	2070.2	2308.8	2489.6	2659.3	2913.0	3190.6	3546.8	3901.4	4167.6	4250.2
27.5°	2016.9	2269.4	2498.8	2668.0	2859.5	3133.1	3479.2	3840.0	4188.0	4459.5	4556.0
25°	2183.9	2469.2	2650.8	2847.6	3072.5	3370.6	3754.2	4155.0	4497.9	4727.3	4845.6
22.5°	2373.8	2655.1	2850.0	3016.7	3310.7	3654.3	4010.3	4463.3	4826.5	5009.6	5137.8
20°	2569.7	2888.1	3189.1	3344.2	3598.6	4033.6	4432.1	4859.8	5210.5	5401.3	5536.4
17.5°	2843.1	3248.8	3618.1	3837.7	4110.1	4630.3	5127.5	5560.1	6048.0	6220.3	6385.4
15°	3131.4	3600.9	4033.6	4381.4	4733.3	5248.7	5888.8	6410.8	6967.6	7216.2	7497.3
12.5°	3418.8	3863.1	4255.1	4703.8	5199.8	5655.7	6265.1	6915.1	7420.3	7737.4	7926.7
10°	3633.6	4046.3	4423.4	4873.2	5368.3	5884.0	6489.6	7155.8	7684.8	7955.3	8109.8
7.5°	3749.6	4144.5	4542.4	4998.2	5491.0	6040.3	6664.2	7325.2	7866.0	8128.2	8280.7
5°	3835.7	4215.0	4627.0	5106.8	5605.1	6162.0	6785.1	7438.3	7931.3	8210.0	8402.8
2.5°	3887.8	4259.7	4680.9	5177.0	5676.5	6256.6	6909.7	7586.8	8018.2	8242.4	8419.7
0°	3902.9	4277.5	4711.1	5213.8	5726.3	6311.1	6958.3	7628.5	8065.4	8282.2	8462.9
-2.5°	3919.9	4305.6	4751.1	5237.6	5745.8	6328.9	6989.5	7642.5	8035.6	8254.5	8426.3
-5°	3908.1	4307.7	4751.9	5217.9	5729.4	6307.9	6942.1	7552.7	7963.9	8200.4	8371.3
-7.5°	3872.7	4278.0	4717.7	5165.5	5667.2	6252.3	6883.8	7471.8	7888.3	8137.8	8324.8
-10°	3821.3	4214.8	4657.4	5110.9	5606.7	6163.6	6785.5	7369.9	7768.6	8033.4	8251.4
-12.5°	3764.2	4149.6	4576.2	5011.3	5501.5	6051.6	6654.1	7207.4	7603.6	7892.5	8048.3
-15°	3679.7	4064.9	4472.8	4893.5	5371.4	5905.0	6480.6	7011.4	7400.5	7635.6	7807.7
-17.5°	3572.2	3950.1	4336.8	4735.9	5186.1	5711.6	6290.7	6814.1	7131.4	7341.4	7510.5
-20°	3457.1	3806.5	4172.9	4549.5	4985.9	5506.4	6075.1	6531.7	6830.7	7032.4	7192.2



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	3325.5	3662.1	3997.4	4357.5	4785.4	5262.6	5764.9	6206.2	6527.7	6711.3	6859.0
-25°	3175.4	3502.8	3821.3	4169.0	4562.2	4991.2	5458.3	5891.9	6179.8	6375.0	6521.4
-27.5°	3013.8	3321.3	3632.4	3944.6	4298.2	4725.6	5158.2	5561.0	5806.7	6003.4	6150.7
-30°	2852.4	3129.0	3416.8	3712.4	4044.2	4429.6	4834.2	5173.0	5432.2	5623.3	5760.0
-32.5°	2677.5	2940.0	3195.0	3471.3	3783.7	4123.3	4478.4	4800.6	5077.6	5252.6	5367.9
-35°	2498.4	2752.5	2985.9	3236.7	3512.2	3805.3	4133.1	4450.9	4724.4	4862.9	4975.2
-37.5°	2311.8	2565.2	2786.5	2996.0	3233.4	3504.8	3824.0	4127.2	4363.5	4482.6	4583.8
-40°	2149.6	2372.6	2571.8	2772.3	2965.3	3206.4	3504.2	3797.8	3987.4	4103.4	4197.5
-42.5°	1992.1	2180.3	2343.3	2523.0	2716.2	2953.9	3194.3	3440.4	3592.8	3721.6	3820.6
-45°	1808.6	1976.9	2129.8	2279.3	2455.4	2672.4	2890.7	3087.9	3230.7	3355.1	3451.6
-47.5°	1605.8	1768.2	1916.7	2050.3	2214.1	2395.0	2578.8	2742.9	2883.9	3006.9	3093.0
-50°	1416.7	1561.8	1706.8	1842.1	1983.9	2130.3	2279.5	2423.5	2557.3	2676.8	2750.1
-52.5°	1247.4	1381.2	1508.0	1626.2	1750.3	1874.0	1997.5	2129.4	2252.5	2365.7	2424.1
-55°	1094.1	1214.8	1329.2	1428.8	1528.4	1626.5	1732.3	1854.1	1967.5	2072.2	2114.2
-57.5°	956.5	1059.8	1161.0	1245.3	1326.6	1404.7	1497.6	1600.4	1699.5	1789.3	1823.7
-60°	830.0	912.0	996.6	1071.3	1142.2	1209.2	1290.2	1373.0	1453.4	1521.1	1550.3
-62.5°	713.6	783.7	847.8	908.6	968.6	1028.9	1094.3	1160.0	1225.0	1277.1	1303.5
-65°	601.4	657.2	708.8	758.7	807.1	857.7	909.0	958.9	1007.0	1044.3	1067.1
-67.5°	496.0	538.5	579.4	618.3	658.9	699.9	739.9	778.2	814.3	843.1	865.0
-70°	402.7	435.5	467.5	499.7	533.6	565.5	595.6	624.2	651.2	671.9	688.8
-72.5°	324.6	351.2	378.9	407.9	435.3	459.1	480.8	501.6	521.7	533.4	542.2
-75°	261.7	284.1	308.2	331.7	354.5	372.6	388.5	403.9	418.8	419.5	416.6
-77.5°	211.4	231.5	250.1	268.5	286.8	297.9	307.7	317.7	327.9	322.0	312.7
-80°	155.2	171.9	187.7	203.6	219.4	226.0	230.6	234.6	238.0	230.3	220.8
-82.5°	103.0	113.5	123.8	134.2	144.8	149.1	152.2	154.8	156.9	150.0	141.9
-85°	57.5	62.5	67.5	72.5	77.5	80.5	83.2	85.7	87.9	83.8	79.1
-87.5°	23.9	25.0	26.2	27.3	28.4	29.4	30.4	31.5	32.4	32.6	32.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	18.9
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	0.0	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°	1.0	0.2	0.0	0.0	0.0	0.2	1.0	1.7	2.2	2.4	2.4
62.5°	6.0	6.3	6.5	6.6	6.5	6.3	6.0	5.8	5.6	5.9	6.3
60°	11.6	10.2	9.9	9.9	9.9	10.2	11.6	12.6	13.1	19.1	22.4
57.5°	91.1	78.0	79.9	88.7	79.9	78.0	91.1	98.6	99.1	115.1	115.7
55°	425.6	475.1	492.6	482.9	492.6	475.1	425.6	373.2	323.3	307.8	308.0
52.5°	576.6	597.0	604.8	604.5	604.8	597.0	576.6	549.4	515.0	481.0	447.7
50°	750.7	743.9	733.3	722.8	733.3	743.9	750.7	742.9	717.0	666.7	586.2
47.5°	1252.8	1231.1	1222.0	1238.6	1222.0	1231.1	1252.8	1238.7	1142.3	1017.2	924.9
45°	1664.9	1690.3	1709.3	1708.4	1709.3	1690.3	1664.9	1643.6	1538.9	1395.7	1248.5
42.5°	1899.5	1913.1	1917.0	1912.0	1917.0	1913.1	1899.5	1875.8	1754.9	1601.8	1433.3
40°	2108.6	2124.7	2133.8	2142.0	2133.8	2124.7	2108.6	2077.4	1978.3	1835.7	1677.2
37.5°	2416.8	2422.8	2409.9	2401.6	2409.9	2422.8	2416.8	2397.2	2337.7	2155.6	2026.8
35°	3172.6	3188.0	3152.2	3190.0	3152.2	3188.0	3172.6	3095.0	3003.1	2895.2	2601.9
32.5°	3897.3	3969.8	4028.5	4077.1	4028.5	3969.8	3897.3	3823.2	3761.0	3552.9	3169.4
30°	4307.8	4354.6	4379.7	4385.9	4379.7	4354.6	4307.8	4250.2	4167.6	3901.4	3546.8
27.5°	4609.3	4658.4	4688.9	4711.1	4688.9	4658.4	4609.3	4556.0	4459.5	4188.0	3840.0
25°	4899.8	4944.7	4975.2	4987.1	4975.2	4944.7	4899.8	4845.6	4727.3	4497.9	4155.0
22.5°	5201.3	5232.5	5261.8	5276.2	5261.8	5232.5	5201.3	5137.8	5009.6	4826.5	4463.3
20°	5633.4	5616.5	5643.3	5634.3	5643.3	5616.5	5633.4	5536.4	5401.3	5210.5	4859.8
17.5°	6514.2	6523.3	6541.2	6570.6	6541.2	6523.3	6514.2	6385.4	6220.3	6048.0	5560.1
15°	7621.8	7644.1	7757.4	7858.4	7757.4	7644.1	7621.8	7497.3	7216.2	6967.6	6410.8
12.5°	8102.2	8179.4	8191.4	8219.8	8191.4	8179.4	8102.2	7926.7	7737.4	7420.3	6915.1
10°	8262.6	8396.2	8393.3	8426.8	8393.3	8396.2	8262.6	8109.8	7955.3	7684.8	7155.8
7.5°	8384.2	8527.6	8588.3	8614.1	8588.3	8527.6	8384.2	8280.7	8128.2	7866.0	7325.2
5°	8532.7	8611.6	8716.3	8686.3	8716.3	8611.6	8532.7	8402.8	8210.0	7931.3	7438.3
2.5°	8595.0	8718.6	8690.1	8719.2	8690.1	8718.6	8595.0	8419.7	8242.4	8018.2	7586.8
0°	8637.1	8725.8	8738.9	8768.5	8738.9	8725.8	8637.1	8462.9	8282.2	8065.4	7628.5
-2.5°	8586.1	8664.2	8800.9	8758.6	8800.9	8664.2	8586.1	8426.3	8254.5	8035.6	7642.5
-5°	8541.4	8733.6	8658.9	8752.0	8658.9	8733.6	8541.4	8371.3	8200.4	7963.9	7552.7
-7.5°	8518.4	8552.8	8602.2	8673.2	8602.2	8552.8	8518.4	8324.8	8137.8	7888.3	7471.8
-10°	8340.0	8375.2	8466.2	8515.5	8466.2	8375.2	8340.0	8251.4	8033.4	7768.6	7369.9
-12.5°	8146.6	8214.7	8310.3	8341.4	8310.3	8214.7	8146.6	8048.3	7892.5	7603.6	7207.4
-15°	7923.9	8025.0	8118.1	8137.7	8118.1	8025.0	7923.9	7807.7	7635.6	7400.5	7011.4
-17.5°	7640.6	7761.8	7859.7	7881.4	7859.7	7761.8	7640.6	7510.5	7341.4	7131.4	6814.1
-20°	7328.5	7444.5	7527.8	7552.9	7527.8	7444.5	7328.5	7192.2	7032.4	6830.7	6531.7



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-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°	6994.3	7098.8	7169.2	7158.7	7169.2	7098.8	6994.3	6859.0	6711.3	6527.7	6206.2
-25°	6639.5	6736.5	6803.6	6794.0	6803.6	6736.5	6639.5	6521.4	6375.0	6179.8	5891.9
-27.5°	6264.4	6356.3	6420.7	6422.8	6420.7	6356.3	6264.4	6150.7	6003.4	5806.7	5561.0
-30°	5870.2	5953.7	6006.1	5985.8	6006.1	5953.7	5870.2	5760.0	5623.3	5432.2	5173.0
-32.5°	5463.7	5539.2	5587.1	5601.4	5587.1	5539.2	5463.7	5367.9	5252.6	5077.6	4800.6
-35°	5062.7	5129.3	5170.7	5180.9	5170.7	5129.3	5062.7	4975.2	4862.9	4724.4	4450.9
-37.5°	4664.3	4721.6	4750.5	4737.4	4750.5	4721.6	4664.3	4583.8	4482.6	4363.5	4127.2
-40°	4270.6	4325.1	4358.2	4366.2	4358.2	4325.1	4270.6	4197.5	4103.4	3987.4	3797.8
-42.5°	3883.6	3928.9	3958.0	3971.9	3958.0	3928.9	3883.6	3820.6	3721.6	3592.8	3440.4
-45°	3507.9	3548.4	3575.7	3590.8	3575.7	3548.4	3507.9	3451.6	3355.1	3230.7	3087.9
-47.5°	3142.4	3177.9	3201.5	3213.0	3201.5	3177.9	3142.4	3093.0	3006.9	2883.9	2742.9
-50°	2792.9	2823.7	2845.6	2858.2	2845.6	2823.7	2792.9	2750.1	2676.8	2557.3	2423.5
-52.5°	2461.4	2488.3	2507.0	2516.5	2507.0	2488.3	2461.4	2424.1	2365.7	2252.5	2129.4
-55°	2144.8	2166.6	2184.0	2194.6	2184.0	2166.6	2144.8	2114.2	2072.2	1967.5	1854.1
-57.5°	1849.7	1867.5	1883.9	1895.6	1883.9	1867.5	1849.7	1823.7	1789.3	1699.5	1600.4
-60°	1573.4	1590.2	1604.2	1613.1	1604.2	1590.2	1573.4	1550.3	1521.1	1453.4	1373.0
-62.5°	1324.1	1339.0	1351.8	1360.1	1351.8	1339.0	1324.1	1303.5	1277.1	1225.0	1160.0
-65°	1085.1	1098.4	1108.0	1113.7	1108.0	1098.4	1085.1	1067.1	1044.3	1007.0	958.9
-67.5°	883.6	899.0	902.1	900.2	902.1	899.0	883.6	865.0	843.1	814.3	778.2
-70°	703.8	716.9	719.9	719.5	719.9	716.9	703.8	688.8	671.9	651.2	624.2
-72.5°	550.3	557.4	551.4	542.1	551.4	557.4	550.3	542.2	533.4	521.7	501.6
-75°	413.0	408.5	402.0	394.2	402.0	408.5	413.0	416.6	419.5	418.8	403.9
-77.5°	302.5	291.3	284.0	276.0	284.0	291.3	302.5	312.7	322.0	327.9	317.7
-80°	210.6	199.6	192.0	184.0	192.0	199.6	210.6	220.8	230.3	238.0	234.6
-82.5°	133.4	124.3	119.8	115.0	119.8	124.3	133.4	141.9	150.0	156.9	154.8
-85°	74.1	68.8	65.6	62.4	65.6	68.8	74.1	79.1	83.8	87.9	85.7
-87.5°	32.8	32.8	31.2	29.6	31.2	32.8	32.8	32.7	32.6	32.4	31.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GFLD-SA2E-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.1	17.2	16.4	15.6	14.8	13.9	13.1	12.3	11.5	10.7	9.9
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	0.3	0.4	0.2	0.0	0.4
67.5°	0.0	0.0	0.6	1.4	1.7	1.7	1.5	1.7	2.0	1.8	1.7
65°	2.0	1.2	0.8	1.6	2.5	3.3	3.5	3.0	3.0	3.4	4.1
62.5°	6.7	6.9	6.0	5.0	4.3	4.8	5.2	5.6	4.9	3.9	5.1
60°	19.8	12.1	17.6	18.8	15.0	13.0	19.5	18.5	9.7	8.3	7.5
57.5°	95.3	79.8	87.6	79.5	54.4	47.5	49.3	47.0	42.6	26.1	11.1
55°	328.6	281.6	221.2	191.0	184.0	140.8	104.9	87.6	79.4	57.4	38.0
52.5°	417.3	388.0	342.3	279.4	245.7	233.1	199.3	159.5	126.7	101.3	72.7
50°	523.2	531.0	484.2	397.1	362.6	325.3	292.5	246.4	204.8	164.3	121.3
47.5°	853.6	795.1	748.1	683.1	559.6	480.8	429.0	353.4	296.5	247.5	194.4
45°	1138.1	1071.2	1025.2	924.3	793.1	671.2	589.8	495.1	394.4	328.7	280.5
42.5°	1340.2	1253.6	1178.0	1095.7	970.4	832.8	721.1	627.5	521.6	415.2	351.1
40°	1537.9	1400.6	1325.7	1252.1	1133.9	979.6	892.6	755.1	644.5	526.5	439.0
37.5°	1832.8	1599.4	1572.9	1501.9	1368.3	1207.8	1109.9	974.2	769.1	657.9	557.3
35°	2331.2	2090.7	1951.9	1882.3	1709.0	1504.5	1343.4	1216.7	1013.1	794.1	678.2
32.5°	2880.4	2576.1	2365.4	2266.2	2080.2	1802.6	1603.8	1442.7	1238.4	990.5	804.6
30°	3190.6	2913.0	2659.3	2489.6	2308.8	2070.2	1842.1	1614.5	1392.8	1187.7	941.5
27.5°	3479.2	3133.1	2859.5	2668.0	2498.8	2269.4	2016.9	1773.0	1529.4	1326.8	1107.2
25°	3754.2	3370.6	3072.5	2847.6	2650.8	2469.2	2183.9	1917.4	1663.2	1439.3	1267.5
22.5°	4010.3	3654.3	3310.7	3016.7	2850.0	2655.1	2373.8	2051.0	1802.6	1614.3	1412.2
20°	4432.1	4033.6	3598.6	3344.2	3189.1	2888.1	2569.7	2250.5	2022.4	1806.7	1569.1
17.5°	5127.5	4630.3	4110.1	3837.7	3618.1	3248.8	2843.1	2526.5	2241.7	2001.3	1739.8
15°	5888.8	5248.7	4733.3	4381.4	4033.6	3600.9	3131.4	2789.3	2465.8	2195.3	1896.6
12.5°	6265.1	5655.7	5199.8	4703.8	4255.1	3863.1	3418.8	3041.6	2674.4	2322.0	1993.7
10°	6489.6	5884.0	5368.3	4873.2	4423.4	4046.3	3633.6	3186.7	2778.8	2405.8	2074.6
7.5°	6664.2	6040.3	5491.0	4998.2	4542.4	4144.5	3749.6	3281.1	2862.3	2473.6	2139.6
5°	6785.1	6162.0	5605.1	5106.8	4627.0	4215.0	3835.7	3352.6	2924.5	2525.0	2188.9
2.5°	6909.7	6256.6	5676.5	5177.0	4680.9	4259.7	3887.8	3407.1	2975.0	2563.2	2230.0
0°	6958.3	6311.1	5726.3	5213.8	4711.1	4277.5	3902.9	3443.0	3009.3	2585.5	2257.0
-2.5°	6989.5	6328.9	5745.8	5237.6	4751.1	4305.6	3919.9	3483.3	3020.2	2609.6	2264.6
-5°	6942.1	6307.9	5729.4	5217.9	4751.9	4307.7	3908.1	3489.2	3017.5	2616.0	2258.7
-7.5°	6883.8	6252.3	5667.2	5165.5	4717.7	4278.0	3872.7	3463.1	3007.1	2605.5	2247.6
-10°	6785.5	6163.6	5606.7	5110.9	4657.4	4214.8	3821.3	3413.6	2973.5	2575.7	2221.5
-12.5°	6654.1	6051.6	5501.5	5011.3	4576.2	4149.6	3764.2	3345.0	2916.2	2526.0	2180.1
-15°	6480.6	5905.0	5371.4	4893.5	4472.8	4064.9	3679.7	3269.2	2860.4	2464.8	2123.5
-17.5°	6290.7	5711.6	5186.1	4735.9	4336.8	3950.1	3572.2	3189.7	2796.0	2407.3	2072.5
-20°	6075.1	5506.4	4985.9	4549.5	4172.9	3806.5	3457.1	3100.6	2706.6	2341.3	2018.9



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-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°	5764.9	5262.6	4785.4	4357.5	3997.4	3662.1	3325.5	2980.9	2590.7	2258.6	1946.0
-25°	5458.3	4991.2	4562.2	4169.0	3821.3	3502.8	3175.4	2833.8	2487.6	2161.4	1856.8
-27.5°	5158.2	4725.6	4298.2	3944.6	3632.4	3321.3	3013.8	2690.6	2371.8	2052.0	1773.1
-30°	4834.2	4429.6	4044.2	3712.4	3416.8	3129.0	2852.4	2550.7	2237.0	1933.6	1682.7
-32.5°	4478.4	4123.3	3783.7	3471.3	3195.0	2940.0	2677.5	2391.5	2081.5	1822.9	1578.0
-35°	4133.1	3805.3	3512.2	3236.7	2985.9	2752.5	2498.4	2212.0	1939.8	1697.0	1459.9
-37.5°	3824.0	3504.8	3233.4	2996.0	2786.5	2565.2	2311.8	2057.6	1801.8	1557.0	1350.1
-40°	3504.2	3206.4	2965.3	2772.3	2571.8	2372.6	2149.6	1913.3	1660.8	1421.7	1242.3
-42.5°	3194.3	2953.9	2716.2	2523.0	2343.3	2180.3	1992.1	1753.5	1521.4	1313.7	1141.4
-45°	2890.7	2672.4	2455.4	2279.3	2129.8	1976.9	1808.6	1591.8	1383.4	1205.1	1042.5
-47.5°	2578.8	2395.0	2214.1	2050.3	1916.7	1768.2	1605.8	1422.1	1251.3	1090.6	946.6
-50°	2279.5	2130.3	1983.9	1842.1	1706.8	1561.8	1416.7	1268.4	1116.0	976.0	845.3
-52.5°	1997.5	1874.0	1750.3	1626.2	1508.0	1381.2	1247.4	1115.4	981.4	864.4	747.7
-55°	1732.3	1626.5	1528.4	1428.8	1329.2	1214.8	1094.1	975.3	868.3	760.8	665.7
-57.5°	1497.6	1404.7	1326.6	1245.3	1161.0	1059.8	956.5	856.1	767.4	678.4	590.3
-60°	1290.2	1209.2	1142.2	1071.3	996.6	912.0	830.0	750.5	673.7	601.1	525.3
-62.5°	1094.3	1028.9	968.6	908.6	847.8	783.7	713.6	649.5	590.0	528.9	460.3
-65°	909.0	857.7	807.1	758.7	708.8	657.2	601.4	550.7	502.1	452.5	393.2
-67.5°	739.9	699.9	658.9	618.3	579.4	538.5	496.0	453.7	414.1	373.7	325.5
-70°	595.6	565.5	533.6	499.7	467.5	435.5	402.7	368.4	332.2	299.2	266.2
-72.5°	480.8	459.1	435.3	407.9	378.9	351.2	324.6	297.9	270.4	242.1	213.4
-75°	388.5	372.6	354.5	331.7	308.2	284.1	261.7	238.7	213.6	186.2	159.5
-77.5°	307.7	297.9	286.8	268.5	250.1	231.5	211.4	186.4	160.8	135.5	113.4
-80°	230.6	226.0	219.4	203.6	187.7	171.9	155.2	133.3	111.5	91.1	74.7
-82.5°	152.2	149.1	144.8	134.2	123.8	113.5	103.0	87.8	73.2	59.4	47.3
-85°	83.2	80.5	77.5	72.5	67.5	62.5	57.5	49.1	41.2	33.8	27.3
-87.5°	30.4	29.4	28.4	27.3	26.2	25.0	23.9	21.4	19.0	16.7	14.5
-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: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-735-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°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.1	8.3	7.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.7
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.5	1.0
82.5°	0.0	0.0	0.0	0.1	0.5	0.9	1.0	0.9	0.5	0.1	0.3
80°	0.0	0.0	0.0	0.1	0.8	1.8	2.2	2.3	1.7	1.2	0.7
77.5°	0.0	0.0	0.0	0.0	0.3	1.0	1.9	3.0	3.0	2.3	1.6
75°	0.0	0.0	0.0	0.1	0.2	0.0	0.7	1.7	2.7	3.3	2.6
72.5°	0.0	0.0	0.0	0.4	0.9	0.9	0.5	0.6	1.9	2.8	3.3
70°	0.5	0.2	0.0	0.5	1.4	2.0	1.9	1.5	1.3	2.4	3.1
67.5°	1.6	1.7	1.2	0.9	1.5	2.3	3.1	2.9	2.6	2.1	3.0
65°	3.8	3.6	3.2	2.9	2.5	2.4	3.2	4.1	3.8	3.3	3.0
62.5°	5.8	5.7	5.3	4.8	4.3	3.7	3.4	4.6	5.0	4.4	3.7
60°	7.4	7.7	7.4	6.7	6.1	5.4	4.9	5.2	5.8	5.6	4.7
57.5°	10.2	10.0	9.8	8.9	7.9	7.1	6.6	6.4	6.6	6.5	5.7
55°	18.0	12.5	12.6	11.7	10.1	8.7	8.3	8.0	7.7	7.5	6.7
52.5°	45.6	25.3	16.2	15.0	13.1	10.7	10.0	9.5	9.0	8.6	7.6
50°	84.3	54.5	30.9	19.4	16.5	14.1	11.7	11.1	10.4	9.8	8.6
47.5°	134.9	93.8	60.9	30.6	21.3	17.6	14.6	12.6	11.8	11.0	9.5
45°	207.8	138.2	95.8	60.5	28.4	24.3	18.1	14.1	13.2	12.1	10.4
42.5°	289.0	202.8	134.5	91.4	54.3	33.6	21.6	17.2	14.5	13.3	11.4
40°	368.8	280.2	180.6	126.1	81.9	45.1	31.1	20.5	15.9	14.6	12.5
37.5°	457.0	362.2	252.9	163.1	110.1	68.8	42.7	23.9	18.1	16.0	13.6
35°	566.1	453.1	325.3	217.2	145.8	90.8	55.5	30.4	22.2	17.4	14.8
32.5°	675.1	543.8	403.6	280.2	183.1	111.1	72.2	43.4	27.1	18.9	16.0
30°	784.7	627.0	477.4	338.5	226.0	143.7	90.2	56.0	32.6	20.5	17.3
27.5°	883.5	705.4	546.4	399.4	276.3	178.1	109.0	68.2	38.8	23.2	18.6
25°	995.0	790.2	614.3	457.7	322.3	214.0	128.3	80.1	47.8	28.0	19.9
22.5°	1138.5	877.3	677.2	510.5	367.9	248.2	153.1	96.0	57.6	33.0	21.2
20°	1281.2	962.4	738.9	576.7	417.5	286.8	181.8	111.7	67.0	38.2	22.5
17.5°	1421.2	1071.4	828.6	644.3	470.5	322.9	208.6	127.1	75.8	43.5	23.7
15°	1546.8	1196.4	916.8	708.2	522.5	356.3	233.4	142.1	84.1	48.8	25.4
12.5°	1652.2	1304.1	999.8	768.0	572.5	386.8	256.1	156.5	91.8	54.7	27.7
10°	1739.3	1395.2	1076.8	823.2	619.8	414.2	276.5	170.9	100.7	61.0	30.1
7.5°	1808.9	1470.4	1146.8	873.4	662.7	439.9	298.4	186.1	109.4	66.9	32.5
5°	1861.3	1529.1	1200.9	909.4	696.8	463.5	318.6	200.0	117.5	72.5	34.9
2.5°	1895.3	1572.3	1241.1	937.6	724.6	483.3	336.4	212.5	124.8	77.6	37.2
0°	1915.3	1603.2	1271.4	959.3	745.8	499.4	351.5	223.4	131.4	82.1	39.4
-2.5°	1933.2	1623.4	1297.9	997.1	760.3	525.8	361.2	233.2	141.8	85.4	43.4
-5°	1939.1	1632.4	1315.2	1026.2	769.1	547.1	367.9	241.2	150.9	88.0	47.1
-7.5°	1929.2	1627.0	1321.3	1042.8	773.2	562.1	371.9	247.5	158.3	90.0	50.3
-10°	1906.9	1609.4	1313.3	1037.8	778.8	566.9	374.2	252.1	163.7	91.5	53.0
-12.5°	1874.0	1582.8	1296.0	1026.8	777.8	563.9	380.4	255.6	166.5	92.6	54.9
-15°	1830.8	1548.0	1269.6	1010.5	768.5	557.1	381.9	257.0	166.2	94.5	56.1
-17.5°	1780.0	1505.9	1234.3	989.7	750.3	546.9	378.5	255.4	164.5	97.4	57.4
-20°	1729.2	1459.0	1192.3	965.2	722.8	533.6	369.7	250.7	161.5	99.2	58.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-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°	1669.5	1405.1	1156.1	931.0	693.1	517.6	355.3	242.7	157.2	100.0	59.1
-25°	1601.0	1342.3	1112.5	884.1	669.6	499.5	340.4	231.3	151.6	99.7	58.9
-27.5°	1523.5	1275.1	1061.1	832.6	645.3	474.3	326.3	223.0	146.8	98.3	58.0
-30°	1437.1	1211.9	999.8	783.1	615.5	447.0	307.9	213.7	144.7	96.5	56.4
-32.5°	1343.9	1140.7	933.8	745.3	581.6	418.7	291.6	203.2	141.1	94.1	56.5
-35°	1256.6	1063.3	866.4	701.8	545.7	401.9	280.7	191.5	136.0	90.9	56.8
-37.5°	1163.0	982.0	813.1	656.4	508.0	382.6	271.9	186.2	129.4	86.7	56.5
-40°	1073.0	905.0	751.4	613.1	480.0	360.9	258.0	180.4	123.1	81.6	55.8
-42.5°	981.9	832.6	692.4	566.0	453.6	339.9	240.3	171.4	118.0	78.6	54.5
-45°	898.0	757.8	629.6	525.0	424.3	313.1	226.6	160.2	111.7	76.5	53.3
-47.5°	809.9	681.6	572.2	480.0	385.9	283.9	209.2	151.3	104.2	73.8	52.6
-50°	718.9	609.5	518.5	430.6	339.0	259.5	190.6	140.8	101.5	71.6	51.3
-52.5°	639.2	546.1	463.6	379.8	303.6	231.0	176.5	129.5	97.9	69.7	49.5
-55°	570.7	485.9	409.5	338.2	269.8	210.0	160.6	124.1	93.4	67.5	47.2
-57.5°	510.1	430.0	365.1	301.1	241.7	189.8	149.3	117.7	88.8	64.3	45.3
-60°	451.2	385.5	324.8	267.7	215.4	172.4	140.6	110.3	83.2	60.3	43.0
-62.5°	396.7	338.9	286.1	234.5	191.8	158.2	130.5	101.7	76.7	55.3	40.1
-65°	339.6	290.3	245.7	205.2	170.4	141.6	117.5	92.0	68.1	49.2	36.3
-67.5°	280.2	244.1	209.2	175.4	147.1	122.9	102.6	79.0	57.9	42.2	31.9
-70°	233.4	201.5	172.0	145.5	122.4	102.6	83.9	63.9	46.7	36.2	27.2
-72.5°	185.8	159.8	135.6	114.6	98.1	81.3	64.2	48.9	38.7	29.8	22.2
-75°	137.5	120.0	104.2	89.6	74.7	60.0	49.0	38.9	30.5	23.2	18.7
-77.5°	99.8	87.1	75.5	66.2	56.0	46.2	37.0	28.5	23.1	19.3	15.8
-80°	67.8	61.1	54.7	48.2	40.0	32.2	26.7	21.9	18.6	15.5	12.7
-82.5°	42.7	39.1	35.9	32.7	27.9	23.6	19.8	16.5	14.0	11.7	10.3
-85°	25.3	23.4	21.6	19.7	17.0	14.7	13.6	12.6	11.5	10.4	9.4
-87.5°	14.3	14.1	13.9	13.6	12.9	12.3	11.8	11.2	10.3	9.4	8.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.5

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Scaled Data Report



REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.6	5.8	5.0	4.1	3.3	3.3	3.3
87.5°	2.4	2.8	3.0	3.2	3.3	3.3	3.3
85°	1.6	2.2	2.7	3.1	3.3	3.3	3.3
82.5°	0.8	1.7	2.5	3.0	3.3	3.3	3.3
80°	0.2	1.2	2.2	2.9	3.3	3.3	3.3
77.5°	1.0	1.1	1.9	2.8	3.3	3.3	3.3
75°	1.8	1.6	1.8	2.7	3.3	3.3	3.3
72.5°	2.6	2.1	2.1	2.7	3.3	3.3	3.3
70°	3.3	2.6	2.4	2.6	3.3	3.3	3.3
67.5°	3.4	3.1	2.6	2.8	3.3	3.3	3.3
65°	3.5	3.4	2.9	2.9	3.3	3.3	3.3
62.5°	3.7	3.7	3.1	3.0	3.3	3.3	3.3
60°	3.9	4.0	3.3	3.1	3.3	3.3	3.3
57.5°	4.7	4.3	3.6	3.1	3.3	3.3	3.3
55°	5.5	4.6	3.9	3.2	3.4	3.3	3.3
52.5°	6.4	5.1	4.3	3.2	3.4	3.3	3.3
50°	7.2	5.7	4.7	3.3	3.5	3.3	3.3
47.5°	8.0	6.4	5.0	3.4	3.6	3.3	3.3
45°	8.7	7.0	5.4	3.7	3.7	3.3	3.3
42.5°	9.5	7.7	5.9	4.0	3.8	3.3	3.3
40°	10.2	8.3	6.3	4.4	3.9	3.3	3.3
37.5°	10.9	8.9	6.8	4.8	4.1	3.3	3.3
35°	11.6	9.4	7.2	5.3	4.2	3.3	3.3
32.5°	12.3	10.0	7.7	5.7	4.3	3.3	3.3
30°	13.3	10.5	8.1	6.1	4.5	3.3	3.3
27.5°	14.3	11.0	8.6	6.5	4.7	3.3	3.3
25°	15.2	11.5	9.1	6.9	4.8	3.3	3.3
22.5°	16.2	12.0	9.6	7.2	5.0	3.3	3.3
20°	17.1	12.6	10.1	7.6	5.2	3.3	3.3
17.5°	18.1	13.1	10.5	7.9	5.4	3.3	3.3
15°	19.0	13.7	11.0	8.3	5.6	3.3	3.3
12.5°	19.8	14.2	11.4	8.6	5.8	3.3	3.3
10°	20.6	14.7	11.8	8.9	5.9	3.3	3.3
7.5°	21.3	15.2	12.1	9.2	6.1	3.3	3.3
5°	22.0	15.6	12.5	9.4	6.3	3.3	3.3
2.5°	22.5	16.0	12.8	9.7	6.4	3.3	3.3
0°	23.0	16.4	13.1	9.9	6.6	3.3	3.3
-2.5°	24.3	16.7	13.4	9.9	6.6	3.3	3.3
-5°	25.5	17.1	13.6	9.9	6.6	3.3	3.3
-7.5°	26.5	17.4	13.8	9.8	6.5	3.3	3.3
-10°	27.3	17.6	14.0	9.7	6.5	3.3	3.3
-12.5°	28.0	17.8	14.1	9.7	6.4	3.3	3.3
-15°	28.4	18.0	14.1	9.6	6.4	3.3	3.3
-17.5°	28.5	18.1	14.1	9.4	6.3	3.3	3.3
-20°	29.3	18.3	14.0	9.3	6.2	3.3	3.3

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REPORT NUMBER: P627040 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	31.1	18.3	13.9	9.1	6.1	3.3	3.3
-25°	32.7	19.5	13.6	9.0	6.0	3.3	3.3
-27.5°	33.8	21.1	13.3	8.8	5.9	3.3	3.3
-30°	34.7	22.4	13.0	8.6	5.7	3.3	3.3
-32.5°	35.1	23.5	13.5	8.3	5.6	3.3	3.3
-35°	36.0	24.3	13.8	8.1	5.4	3.3	3.3
-37.5°	37.0	24.9	14.1	7.8	5.2	3.3	3.3
-40°	37.6	25.1	14.2	7.6	5.1	3.3	3.3
-42.5°	37.8	25.1	14.3	7.4	4.9	3.3	3.3
-45°	37.6	24.9	14.3	7.5	4.7	3.3	3.3
-47.5°	37.0	24.5	14.2	7.4	4.5	3.3	3.3
-50°	36.3	24.0	14.0	7.3	4.2	3.3	3.3
-52.5°	35.2	23.2	13.6	7.2	4.0	3.3	3.3
-55°	34.0	22.3	13.0	7.0	3.8	3.3	3.3
-57.5°	32.5	21.1	12.2	6.7	3.5	3.3	3.3
-60°	30.7	19.6	11.4	6.4	3.3	3.3	3.3
-62.5°	28.2	18.0	10.8	6.1	3.3	3.3	3.3
-65°	25.4	16.1	10.1	5.7	3.3	3.3	3.3
-67.5°	22.4	14.5	9.3	5.2	3.3	3.3	3.3
-70°	19.0	13.1	8.4	4.8	3.3	3.3	3.3
-72.5°	16.8	11.7	7.5	4.7	3.3	3.3	3.3
-75°	14.7	10.2	6.6	4.6	3.3	3.3	3.3
-77.5°	12.4	8.7	6.2	4.6	3.3	3.3	3.3
-80°	10.0	7.8	6.0	4.5	3.3	3.3	3.3
-82.5°	9.1	7.3	5.8	4.4	3.3	3.3	3.3
-85°	8.3	6.8	5.5	4.3	3.3	3.3	3.3
-87.5°	7.4	6.3	5.2	4.2	3.3	3.3	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)