

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: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2E-730-U-WR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
 Report Number: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)  
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Issue Date: 12/7/2022  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: MCGRAW-EDISON  
 Catalog Number: GFLD-SA2E-730-U-WR-XX  
 Description: GALLEON FLOOD, TWO LIGHT SQUARE, WIDE SYMMETRICAL ROUND N47  
 Light Source: (32) 3000K CCT, 70 CRI LEDS  
 Ballast/Driver: -

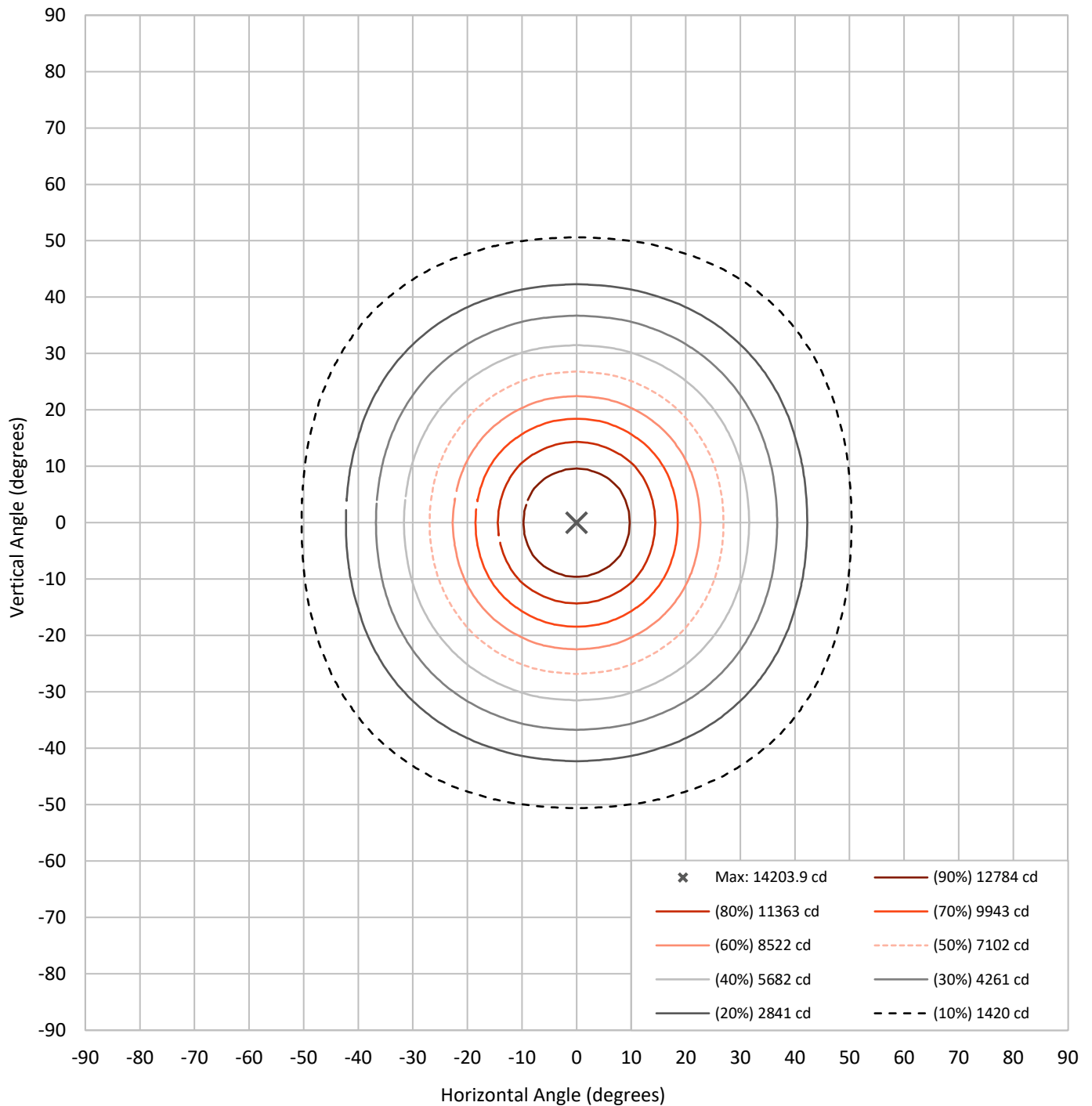
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	14456.3 lumens	Max Intensity:	14203.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.0 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	6912.1 lumens	Field Lumens:	12758.2 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
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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### Iso-Candela Plot





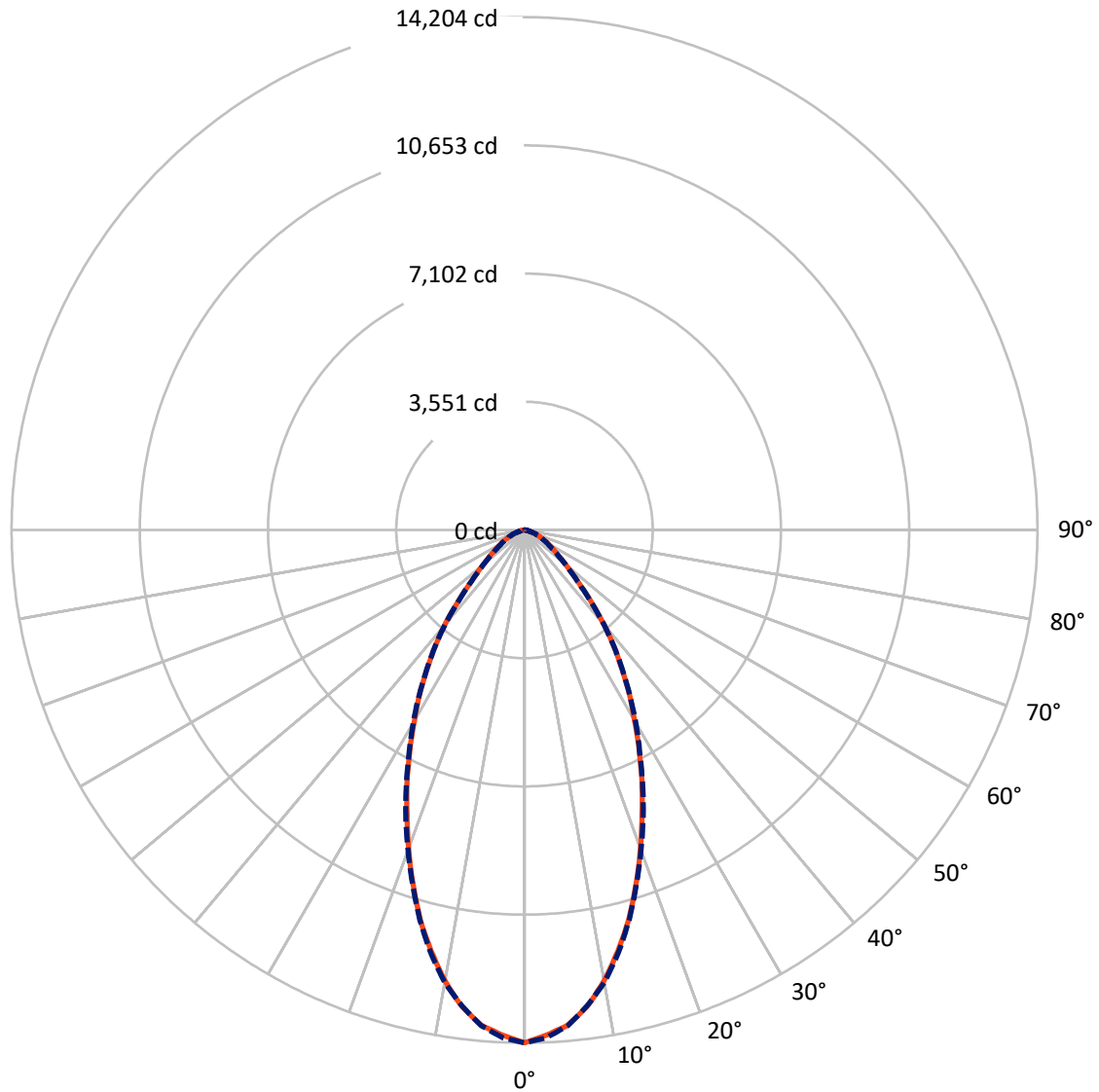
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### Lumen Table

90															90				
80	0.6	4.0		9.1		15.1		13.0		15.1		9.1		4.0		0.6			
70															70				
60	1.9	2.2	4.1	6.6	9.6	12.5	14.7	15.7	15.7	14.7	12.5	9.6	6.6	4.1	2.2	1.9			
50		3.1	6.3	10.9	16.6	22.9	28.6	31.8	31.8	28.6	22.9	16.6	10.9	6.3	3.1				
40	2.8	4.0	8.7	16.2	27.3	42.0	57.8	68.4	68.4	57.8	42.0	27.3	16.2	8.7	4.0	2.8			
30		4.8	11.4	23.5	45.8	81.4	118.2	140.2	140.2	118.2	81.4	45.8	23.5	11.4	4.8				
20	3.3	5.7	14.1	32.9	74.1	133.1	190.5	227.7	227.7	190.5	133.1	74.1	32.9	14.1	5.7	3.3			
10		6.3	16.6	42.7	101.1	179.8	265.4	326.6	326.6	265.4	179.8	101.1	42.7	16.6	6.3				
0	3.4	6.6	18.0	49.1	116.4	209.0	318.1	400.0	400.0	318.1	209.0	116.4	49.1	18.0	6.6	3.4			
-10		6.6	18.0	49.1	116.4	209.0	318.1	400.0	400.0	318.1	209.0	116.4	49.1	18.0	6.6				
-20	3.3	6.3	16.6	42.7	101.1	179.8	265.4	326.6	326.6	265.4	179.8	101.1	42.7	16.6	6.3	3.3			
-30		5.7	14.1	32.9	74.1	133.1	190.5	227.7	227.7	190.5	133.1	74.1	32.9	14.1	5.7				
-40	2.8	4.8	11.4	23.5	45.8	81.4	118.2	140.2	140.2	118.2	81.4	45.8	23.5	11.4	4.8	2.8			
-50		4.0	8.7	16.2	27.3	42.0	57.8	68.4	68.4	57.8	42.0	27.3	16.2	8.7	4.0				
-60	1.9	3.1	6.3	10.9	16.6	22.9	28.6	31.8	31.8	28.6	22.9	16.6	10.9	6.3	3.1	1.9			
-70		2.2	4.1	6.6	9.6	12.5	14.7	15.7	15.7	14.7	12.5	9.6	6.6	4.1	2.2				
-80															-80				
-90	0.6	4.0		9.1		15.1		13.0		15.1		9.1		4.0		0.6			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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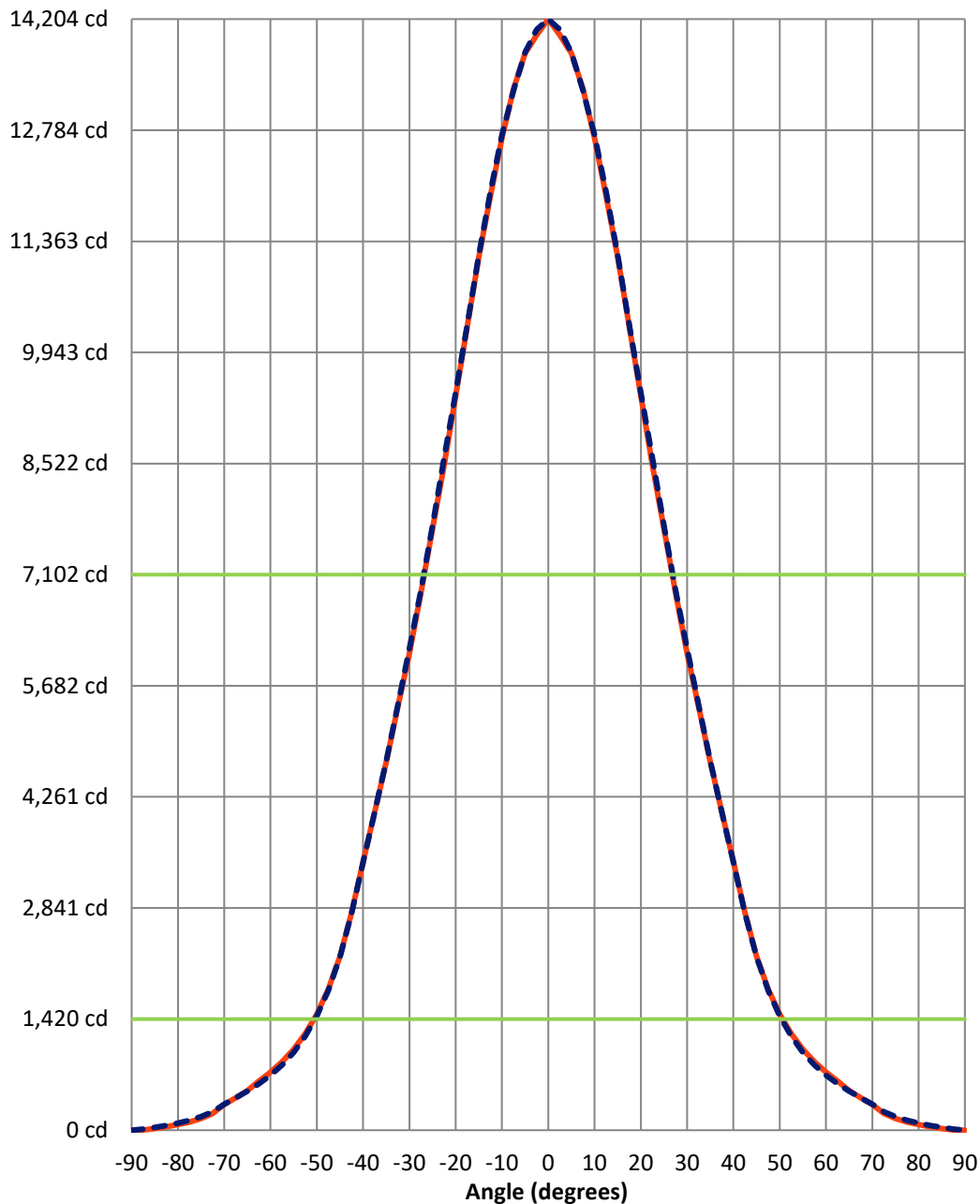
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.8°  
 V Angle: 53.6°  
 Lumens: 6912.1  
 Efficiency: 47.8%

**Field:**  
 H Angle: 100.8°  
 V Angle: 101.2°  
 Lumens: 12758.2  
 Efficiency: 88.3%

**Spill:**  
 Lumens: 1698.1  
 Efficiency: 11.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.7	1.7	2.7	3.9	5.3	6.8	7.5	8.1	8.6	8.9
85°	0.0	1.4	3.3	5.4	7.8	10.5	13.5	14.9	16.1	17.1	17.9
82.5°	0.0	2.2	5.0	8.1	11.7	15.7	20.1	22.4	24.7	28.6	32.1
80°	0.0	2.9	6.6	10.8	15.5	20.9	27.4	34.0	39.8	44.9	49.5
77.5°	0.0	3.6	8.2	13.4	19.3	27.1	39.1	47.7	54.8	61.2	67.6
75°	0.0	4.3	9.8	16.0	23.4	35.5	50.4	61.3	69.9	78.6	87.9
72.5°	0.0	5.0	11.3	18.5	29.0	43.6	61.5	74.6	85.0	96.1	108.0
70°	0.0	5.6	12.8	21.2	34.4	51.4	71.9	87.2	99.8	113.3	129.2
67.5°	0.0	6.3	14.3	24.5	39.6	58.8	80.9	99.6	114.3	131.1	150.1
65°	0.0	6.9	15.7	27.6	44.5	65.6	89.5	111.6	128.7	148.3	170.0
62.5°	0.0	7.5	17.1	30.6	49.1	71.8	97.7	123.1	142.5	164.7	188.5
60°	0.0	8.1	18.4	33.4	53.4	77.7	105.3	133.9	155.6	180.6	206.4
57.5°	0.0	8.7	20.0	36.1	57.4	83.1	112.2	143.7	169.0	196.0	222.9
55°	0.0	9.3	21.5	38.5	61.2	88.1	118.5	151.5	182.0	210.8	238.7
52.5°	0.0	9.8	23.0	40.7	64.6	92.7	124.4	160.0	194.5	224.8	254.1
50°	0.0	10.3	24.4	42.7	67.7	97.0	129.6	168.0	206.5	238.5	271.1
47.5°	0.0	10.8	25.8	44.5	70.5	100.8	134.6	175.2	218.4	251.9	287.7
45°	0.0	11.2	27.1	46.3	73.0	104.1	140.1	181.7	226.9	266.3	303.8
42.5°	0.0	11.6	28.3	47.9	75.1	107.1	145.0	188.1	234.7	280.2	320.4
40°	0.0	12.0	29.4	49.7	77.0	109.6	149.3	194.3	242.5	293.1	336.5
37.5°	0.0	12.4	30.4	51.5	78.7	111.6	153.0	199.9	250.9	303.3	351.8
35°	0.0	12.7	31.4	53.1	80.1	113.9	156.0	204.9	259.0	314.5	367.4
32.5°	0.0	13.0	32.3	54.6	81.1	116.0	158.8	209.3	266.7	325.9	383.4
30°	0.0	13.3	33.1	56.0	81.9	117.7	161.9	213.5	274.0	337.3	398.5
27.5°	0.0	13.5	33.8	57.2	83.6	118.9	164.5	218.8	281.6	348.9	412.6
25°	0.0	13.7	34.5	58.2	85.3	119.6	166.5	223.6	290.2	360.2	425.8
22.5°	0.0	13.9	35.0	59.1	86.8	120.5	167.9	227.7	298.3	370.5	440.2
20°	0.0	14.1	35.5	59.8	88.0	122.7	168.7	231.3	305.9	379.9	453.0
17.5°	0.0	14.2	35.9	60.4	89.1	124.5	170.6	234.1	312.9	388.1	464.4
15°	0.0	14.2	36.2	60.8	89.9	125.9	172.9	236.8	319.2	395.2	474.1
12.5°	0.0	14.3	36.4	61.1	90.6	127.0	174.5	239.2	324.6	401.1	482.2
10°	0.0	14.3	36.5	61.2	91.0	127.6	175.5	240.6	328.8	406.0	488.8
7.5°	0.0	14.3	36.5	61.2	91.1	127.9	176.0	240.9	331.7	409.8	493.9
5°	0.0	14.3	36.5	61.0	91.1	127.8	175.8	240.1	333.3	412.4	497.3
2.5°	0.0	14.2	36.3	60.7	90.8	127.3	175.0	238.5	333.5	413.7	499.0
0°	0.0	14.1	36.1	60.2	90.3	126.5	173.7	235.9	332.3	413.6	498.9
-2.5°	0.0	14.2	36.3	60.7	90.8	127.3	175.0	238.5	333.5	413.7	499.0
-5°	0.0	14.3	36.5	61.0	91.1	127.8	175.8	240.1	333.3	412.4	497.3
-7.5°	0.0	14.3	36.5	61.2	91.1	127.9	176.0	240.9	331.7	409.8	493.9
-10°	0.0	14.3	36.5	61.2	91.0	127.6	175.5	240.6	328.8	406.0	488.8
-12.5°	0.0	14.3	36.4	61.1	90.6	127.0	174.5	239.2	324.6	401.1	482.2
-15°	0.0	14.2	36.2	60.8	89.9	125.9	172.9	236.8	319.2	395.2	474.1
-17.5°	0.0	14.2	35.9	60.4	89.1	124.5	170.6	234.1	312.9	388.1	464.4
-20°	0.0	14.1	35.5	59.8	88.0	122.7	168.7	231.3	305.9	379.9	453.0

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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°	0.0	13.9	35.0	59.1	86.8	120.5	167.9	227.7	298.3	370.5	440.2
-25°	0.0	13.7	34.5	58.2	85.3	119.6	166.5	223.6	290.2	360.2	425.8
-27.5°	0.0	13.5	33.8	57.2	83.6	118.9	164.5	218.8	281.6	348.9	412.6
-30°	0.0	13.3	33.1	56.0	81.9	117.7	161.9	213.5	274.0	337.3	398.5
-32.5°	0.0	13.0	32.3	54.6	81.1	116.0	158.8	209.3	266.7	325.9	383.4
-35°	0.0	12.7	31.4	53.1	80.1	113.9	156.0	204.9	259.0	314.5	367.4
-37.5°	0.0	12.4	30.4	51.5	78.7	111.6	153.0	199.9	250.9	303.3	351.8
-40°	0.0	12.0	29.4	49.7	77.0	109.6	149.3	194.3	242.5	293.1	336.5
-42.5°	0.0	11.6	28.3	47.9	75.1	107.1	145.0	188.1	234.7	280.2	320.4
-45°	0.0	11.2	27.1	46.3	73.0	104.1	140.1	181.7	226.9	266.3	303.8
-47.5°	0.0	10.8	25.8	44.5	70.5	100.8	134.6	175.2	218.4	251.9	287.7
-50°	0.0	10.3	24.4	42.7	67.7	97.0	129.6	168.0	206.5	238.5	271.1
-52.5°	0.0	9.8	23.0	40.7	64.6	92.7	124.4	160.0	194.5	224.8	254.1
-55°	0.0	9.3	21.5	38.5	61.2	88.1	118.5	151.5	182.0	210.8	238.7
-57.5°	0.0	8.7	20.0	36.1	57.4	83.1	112.2	143.7	169.0	196.0	222.9
-60°	0.0	8.1	18.4	33.4	53.4	77.7	105.3	133.9	155.6	180.6	206.4
-62.5°	0.0	7.5	17.1	30.6	49.1	71.8	97.7	123.1	142.5	164.7	188.5
-65°	0.0	6.9	15.7	27.6	44.5	65.6	89.5	111.6	128.7	148.3	170.0
-67.5°	0.0	6.3	14.3	24.5	39.6	58.8	80.9	99.6	114.3	131.1	150.1
-70°	0.0	5.6	12.8	21.2	34.4	51.4	71.9	87.2	99.8	113.3	129.2
-72.5°	0.0	5.0	11.3	18.5	29.0	43.6	61.5	74.6	85.0	96.1	108.0
-75°	0.0	4.3	9.8	16.0	23.4	35.5	50.4	61.3	69.9	78.6	87.9
-77.5°	0.0	3.6	8.2	13.4	19.3	27.1	39.1	47.7	54.8	61.2	67.6
-80°	0.0	2.9	6.6	10.8	15.5	20.9	27.4	34.0	39.8	44.9	49.5
-82.5°	0.0	2.2	5.0	8.1	11.7	15.7	20.1	22.4	24.7	28.6	32.1
-85°	0.0	1.4	3.3	5.4	7.8	10.5	13.5	14.9	16.1	17.1	17.9
-87.5°	0.0	0.7	1.7	2.7	3.9	5.3	6.8	7.5	8.1	8.6	8.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.1	9.1	8.9	8.7	8.3	7.8	7.1	6.4	6.6	6.9	7.1
85°	18.1	18.1	19.6	21.0	21.6	21.7	21.3	20.3	23.0	26.0	29.3
82.5°	35.3	38.4	41.3	44.0	44.3	43.6	42.2	40.7	46.0	52.6	59.4
80°	54.1	58.7	63.9	68.8	69.9	69.4	67.9	65.5	72.5	82.6	93.4
77.5°	75.1	82.3	89.0	95.2	97.0	96.7	95.6	93.6	102.6	116.5	130.9
75°	97.3	106.0	114.6	122.2	125.5	125.7	125.3	127.5	139.3	155.5	169.9
72.5°	120.4	131.5	141.2	149.6	154.8	158.7	164.0	170.5	182.4	198.3	212.4
70°	144.8	157.1	167.4	176.6	184.6	193.3	204.4	215.4	228.0	243.9	258.5
67.5°	168.9	181.4	193.0	204.4	218.9	232.7	246.5	260.9	276.8	293.6	308.4
65°	191.3	205.3	219.5	236.0	254.8	270.6	287.6	306.4	327.2	346.0	363.1
62.5°	212.7	228.6	246.1	266.0	286.4	306.1	329.0	353.1	377.5	401.0	424.4
60°	230.8	250.6	271.8	294.3	317.9	344.7	371.6	400.2	429.3	457.7	486.6
57.5°	248.2	272.7	297.1	323.3	352.7	383.4	415.6	447.8	482.6	517.0	549.8
55°	266.3	295.1	322.9	353.9	387.6	423.7	460.0	499.1	537.5	580.8	620.8
52.5°	285.6	316.9	349.6	385.1	424.5	465.1	507.7	552.6	600.4	648.5	697.3
50°	304.4	339.7	376.0	418.6	462.6	509.0	558.2	610.5	666.2	721.9	780.9
47.5°	324.1	361.8	406.2	452.4	502.7	555.6	611.4	673.5	735.4	805.5	873.2
45°	343.5	386.8	435.0	488.7	544.0	603.5	669.9	738.1	817.0	896.2	985.2
42.5°	362.1	412.1	466.5	523.8	586.8	655.2	728.7	814.4	903.4	1001.4	1105.9
40°	383.6	436.3	497.5	561.7	629.9	708.1	796.4	891.6	1000.2	1116.3	1235.0
37.5°	404.3	463.6	528.1	597.7	676.9	765.0	862.5	979.2	1104.5	1236.5	1397.9
35°	423.8	489.5	559.6	635.9	721.6	823.7	940.3	1069.3	1213.7	1384.0	1572.3
32.5°	444.5	514.1	589.4	674.9	772.0	883.5	1016.0	1167.7	1338.6	1532.6	1768.2
30°	465.3	539.3	618.9	711.5	819.5	948.5	1099.0	1266.8	1463.4	1706.6	1983.2
27.5°	484.6	562.9	650.2	750.3	865.7	1008.5	1178.9	1375.5	1607.2	1882.0	2205.1
25°	502.3	584.4	678.9	787.2	916.6	1073.2	1258.0	1475.8	1751.0	2078.7	2476.2
22.5°	519.2	604.1	704.8	820.4	962.5	1135.9	1343.8	1593.0	1897.3	2265.0	2741.8
20°	535.0	625.3	730.6	852.1	1003.5	1192.5	1422.7	1702.5	2048.7	2484.1	3002.2
17.5°	548.9	643.9	755.0	886.5	1049.2	1250.0	1497.2	1799.2	2183.5	2679.7	3242.5
15°	560.9	660.1	776.1	916.2	1090.4	1307.1	1575.3	1905.1	2324.1	2857.7	3453.5
12.5°	570.8	673.6	793.8	941.2	1125.0	1355.5	1642.0	1999.6	2461.1	3025.2	3638.8
10°	578.8	684.4	808.0	961.4	1152.9	1394.7	1697.0	2076.9	2575.1	3168.9	3795.5
7.5°	585.4	692.8	818.9	976.7	1174.0	1424.7	1739.8	2136.5	2664.2	3282.6	3915.7
5°	590.1	698.9	827.3	987.4	1189.5	1445.6	1769.7	2178.2	2727.6	3365.1	3997.9
2.5°	592.8	702.2	832.0	993.1	1198.9	1457.4	1785.4	2204.4	2762.4	3412.1	4047.6
0°	593.3	702.7	833.2	993.8	1201.6	1459.6	1787.9	2212.6	2769.7	3424.2	4065.7
-2.5°	592.8	702.2	832.0	993.1	1198.9	1457.4	1785.4	2204.4	2762.4	3412.1	4047.6
-5°	590.1	698.9	827.3	987.4	1189.5	1445.6	1769.7	2178.2	2727.6	3365.1	3997.9
-7.5°	585.4	692.8	818.9	976.7	1174.0	1424.7	1739.8	2136.5	2664.2	3282.6	3915.7
-10°	578.8	684.4	808.0	961.4	1152.9	1394.7	1697.0	2076.9	2575.1	3168.9	3795.5
-12.5°	570.8	673.6	793.8	941.2	1125.0	1355.5	1642.0	1999.6	2461.1	3025.2	3638.8
-15°	560.9	660.1	776.1	916.2	1090.4	1307.1	1575.3	1905.1	2324.1	2857.7	3453.5
-17.5°	548.9	643.9	755.0	886.5	1049.2	1250.0	1497.2	1799.2	2183.5	2679.7	3242.5
-20°	535.0	625.3	730.6	852.1	1003.5	1192.5	1422.7	1702.5	2048.7	2484.1	3002.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	519.2	604.1	704.8	820.4	962.5	1135.9	1343.8	1593.0	1897.3	2265.0	2741.8
-25°	502.3	584.4	678.9	787.2	916.6	1073.2	1258.0	1475.8	1751.0	2078.7	2476.2
-27.5°	484.6	562.9	650.2	750.3	865.7	1008.5	1178.9	1375.5	1607.2	1882.0	2205.1
-30°	465.3	539.3	618.9	711.5	819.5	948.5	1099.0	1266.8	1463.4	1706.6	1983.2
-32.5°	444.5	514.1	589.4	674.9	772.0	883.5	1016.0	1167.7	1338.6	1532.6	1768.2
-35°	423.8	489.5	559.6	635.9	721.6	823.7	940.3	1069.3	1213.7	1384.0	1572.3
-37.5°	404.3	463.6	528.1	597.7	676.9	765.0	862.5	979.2	1104.5	1236.5	1397.9
-40°	383.6	436.3	497.5	561.7	629.9	708.1	796.4	891.6	1000.2	1116.3	1235.0
-42.5°	362.1	412.1	466.5	523.8	586.8	655.2	728.7	814.4	903.4	1001.4	1105.9
-45°	343.5	386.8	435.0	488.7	544.0	603.5	669.9	738.1	817.0	896.2	985.2
-47.5°	324.1	361.8	406.2	452.4	502.7	555.6	611.4	673.5	735.4	805.5	873.2
-50°	304.4	339.7	376.0	418.6	462.6	509.0	558.2	610.5	666.2	721.9	780.9
-52.5°	285.6	316.9	349.6	385.1	424.5	465.1	507.7	552.6	600.4	648.5	697.3
-55°	266.3	295.1	322.9	353.9	387.6	423.7	460.0	499.1	537.5	580.8	620.8
-57.5°	248.2	272.7	297.1	323.3	352.7	383.4	415.6	447.8	482.6	517.0	549.8
-60°	230.8	250.6	271.8	294.3	317.9	344.7	371.6	400.2	429.3	457.7	486.6
-62.5°	212.7	228.6	246.1	266.0	286.4	306.1	329.0	353.1	377.5	401.0	424.4
-65°	191.3	205.3	219.5	236.0	254.8	270.6	287.6	306.4	327.2	346.0	363.1
-67.5°	168.9	181.4	193.0	204.4	218.9	232.7	246.5	260.9	276.8	293.6	308.4
-70°	144.8	157.1	167.4	176.6	184.6	193.3	204.4	215.4	228.0	243.9	258.5
-72.5°	120.4	131.5	141.2	149.6	154.8	158.7	164.0	170.5	182.4	198.3	212.4
-75°	97.3	106.0	114.6	122.2	125.5	125.7	125.3	127.5	139.3	155.5	169.9
-77.5°	75.1	82.3	89.0	95.2	97.0	96.7	95.6	93.6	102.6	116.5	130.9
-80°	54.1	58.7	63.9	68.8	69.9	69.4	67.9	65.5	72.5	82.6	93.4
-82.5°	35.3	38.4	41.3	44.0	44.3	43.6	42.2	40.7	46.0	52.6	59.4
-85°	18.1	18.1	19.6	21.0	21.6	21.7	21.3	20.3	23.0	26.0	29.3
-87.5°	9.1	9.1	8.9	8.7	8.3	7.8	7.1	6.4	6.6	6.9	7.1
-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: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.4	7.2	6.9	6.7	6.3	6.2	6.1	6.0	5.8	5.4	4.9
85°	32.7	33.4	33.8	34.0	34.0	35.1	36.1	37.1	37.9	34.3	30.4
82.5°	66.4	69.5	72.3	75.0	77.7	79.5	80.9	81.9	82.5	74.7	65.9
80°	104.5	111.1	116.5	121.7	126.6	127.9	127.8	127.1	125.7	115.0	102.9
77.5°	145.4	153.9	160.7	167.5	174.1	176.5	177.7	178.6	179.2	166.0	149.6
75°	182.3	192.6	202.1	210.9	219.1	223.4	226.0	228.0	229.6	216.3	198.9
72.5°	224.6	235.4	245.7	255.5	264.2	269.9	273.6	276.7	279.1	271.5	260.6
70°	271.0	282.3	293.2	303.3	313.1	320.8	326.8	332.1	336.4	337.2	336.9
67.5°	322.6	335.8	348.8	359.9	371.5	382.3	391.9	399.9	406.2	410.4	412.7
65°	380.5	400.3	418.0	433.0	445.6	460.1	472.9	482.6	489.5	494.8	499.3
62.5°	448.7	472.8	493.0	513.0	533.6	553.6	566.1	578.7	591.0	602.6	612.5
60°	514.3	540.7	568.1	593.6	617.3	639.0	661.5	681.4	698.8	713.4	724.3
57.5°	584.3	616.5	647.6	680.0	710.4	738.9	766.6	792.3	814.4	833.1	848.3
55°	660.2	699.5	736.5	777.6	817.5	853.8	887.3	921.6	952.5	979.7	1001.3
52.5°	742.1	793.2	842.2	890.5	942.1	988.7	1030.5	1078.0	1120.2	1155.1	1182.2
50°	839.8	899.9	964.5	1024.4	1089.5	1153.7	1212.9	1270.2	1326.3	1374.8	1414.0
47.5°	951.1	1025.0	1105.1	1184.5	1265.4	1353.1	1431.4	1504.2	1582.6	1650.6	1705.2
45°	1074.8	1169.0	1265.8	1377.3	1480.1	1592.8	1697.1	1790.8	1902.0	1999.9	2078.7
42.5°	1212.1	1337.6	1464.8	1605.3	1741.6	1884.7	2036.7	2171.5	2318.9	2459.5	2573.1
40°	1382.2	1532.2	1702.7	1872.7	2068.3	2252.1	2473.5	2674.7	2857.4	3025.0	3162.4
37.5°	1571.2	1764.4	1978.5	2199.9	2467.6	2730.0	2989.2	3233.9	3449.9	3633.3	3787.2
35°	1785.8	2031.3	2290.6	2613.9	2927.5	3241.7	3534.5	3802.0	4036.9	4243.9	4419.9
32.5°	2032.6	2327.2	2690.3	3053.5	3411.2	3757.2	4078.7	4370.3	4628.0	4860.4	5062.7
30°	2292.2	2694.1	3101.6	3500.0	3890.7	4269.8	4622.5	4943.8	5235.0	5493.6	5726.8
27.5°	2622.0	3067.4	3511.7	3941.2	4371.1	4785.9	5168.2	5525.1	5859.2	6151.6	6418.0
25°	2940.9	3433.0	3905.4	4373.7	4841.6	5286.9	5714.4	6117.5	6500.2	6835.7	7133.2
22.5°	3259.8	3774.9	4279.7	4783.3	5285.9	5782.3	6262.3	6724.1	7152.1	7534.2	7869.1
20°	3555.2	4093.7	4633.5	5176.3	5721.1	6264.5	6803.6	7323.4	7800.2	8241.3	8628.9
17.5°	3820.0	4392.7	4965.0	5545.6	6136.2	6726.3	7325.1	7907.7	8452.8	8954.7	9404.4
15°	4054.5	4652.1	5266.8	5893.3	6527.5	7168.3	7821.7	8473.6	9087.1	9657.2	10159.3
12.5°	4259.6	4880.9	5525.0	6190.8	6879.1	7577.1	8290.3	9004.9	9684.1	10342.3	10884.3
10°	4428.8	5075.4	5748.7	6448.2	7174.1	7925.4	8690.5	9459.7	10208.0	10906.2	11526.1
7.5°	4559.5	5230.3	5924.1	6651.6	7413.2	8205.4	9015.9	9832.2	10630.8	11383.1	12069.0
5°	4651.7	5343.0	6045.5	6802.3	7590.4	8411.4	9253.7	10104.4	10939.2	11730.2	12441.0
2.5°	4705.2	5410.7	6116.2	6893.9	7695.8	8536.0	9401.2	10265.8	11122.6	11943.1	12673.6
0°	4719.3	5431.0	6156.8	6903.7	7728.9	8594.2	9428.5	10295.8	11186.3	11995.4	12723.2
-2.5°	4705.2	5410.7	6116.2	6893.9	7695.8	8536.0	9401.2	10265.8	11122.6	11943.1	12673.6
-5°	4651.7	5343.0	6045.5	6802.3	7590.4	8411.4	9253.7	10104.4	10939.2	11730.2	12441.0
-7.5°	4559.5	5230.3	5924.1	6651.6	7413.2	8205.4	9015.9	9832.2	10630.8	11383.1	12069.0
-10°	4428.8	5075.4	5748.7	6448.2	7174.1	7925.4	8690.5	9459.7	10208.0	10906.2	11526.1
-12.5°	4259.6	4880.9	5525.0	6190.8	6879.1	7577.1	8290.3	9004.9	9684.1	10342.3	10884.3
-15°	4054.5	4652.1	5266.8	5893.3	6527.5	7168.3	7821.7	8473.6	9087.1	9657.2	10159.3
-17.5°	3820.0	4392.7	4965.0	5545.6	6136.2	6726.3	7325.1	7907.7	8452.8	8954.7	9404.4
-20°	3555.2	4093.7	4633.5	5176.3	5721.1	6264.5	6803.6	7323.4	7800.2	8241.3	8628.9



REPORT NUMBER: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3259.8	3774.9	4279.7	4783.3	5285.9	5782.3	6262.3	6724.1	7152.1	7534.2	7869.1
-25°	2940.9	3433.0	3905.4	4373.7	4841.6	5286.9	5714.4	6117.5	6500.2	6835.7	7133.2
-27.5°	2622.0	3067.4	3511.7	3941.2	4371.1	4785.9	5168.2	5525.1	5859.2	6151.6	6418.0
-30°	2292.2	2694.1	3101.6	3500.0	3890.7	4269.8	4622.5	4943.8	5235.0	5493.6	5726.8
-32.5°	2032.6	2327.2	2690.3	3053.5	3411.2	3757.2	4078.7	4370.3	4628.0	4860.4	5062.7
-35°	1785.8	2031.3	2290.6	2613.9	2927.5	3241.7	3534.5	3802.0	4036.9	4243.9	4419.9
-37.5°	1571.2	1764.4	1978.5	2199.9	2467.6	2730.0	2989.2	3233.9	3449.9	3633.3	3787.2
-40°	1382.2	1532.2	1702.7	1872.7	2068.3	2252.1	2473.5	2674.7	2857.4	3025.0	3162.4
-42.5°	1212.1	1337.6	1464.8	1605.3	1741.6	1884.7	2036.7	2171.5	2318.9	2459.5	2573.1
-45°	1074.8	1169.0	1265.8	1377.3	1480.1	1592.8	1697.1	1790.8	1902.0	1999.9	2078.7
-47.5°	951.1	1025.0	1105.1	1184.5	1265.4	1353.1	1431.4	1504.2	1582.6	1650.6	1705.2
-50°	839.8	899.9	964.5	1024.4	1089.5	1153.7	1212.9	1270.2	1326.3	1374.8	1414.0
-52.5°	742.1	793.2	842.2	890.5	942.1	988.7	1030.5	1078.0	1120.2	1155.1	1182.2
-55°	660.2	699.5	736.5	777.6	817.5	853.8	887.3	921.6	952.5	979.7	1001.3
-57.5°	584.3	616.5	647.6	680.0	710.4	738.9	766.6	792.3	814.4	833.1	848.3
-60°	514.3	540.7	568.1	593.6	617.3	639.0	661.5	681.4	698.8	713.4	724.3
-62.5°	448.7	472.8	493.0	513.0	533.6	553.6	566.1	578.7	591.0	602.6	612.5
-65°	380.5	400.3	418.0	433.0	445.6	460.1	472.9	482.6	489.5	494.8	499.3
-67.5°	322.6	335.8	348.8	359.9	371.5	382.3	391.9	399.9	406.2	410.4	412.7
-70°	271.0	282.3	293.2	303.3	313.1	320.8	326.8	332.1	336.4	337.2	336.9
-72.5°	224.6	235.4	245.7	255.5	264.2	269.9	273.6	276.7	279.1	271.5	260.6
-75°	182.3	192.6	202.1	210.9	219.1	223.4	226.0	228.0	229.6	216.3	198.9
-77.5°	145.4	153.9	160.7	167.5	174.1	176.5	177.7	178.6	179.2	166.0	149.6
-80°	104.5	111.1	116.5	121.7	126.6	127.9	127.8	127.1	125.7	115.0	102.9
-82.5°	66.4	69.5	72.3	75.0	77.7	79.5	80.9	81.9	82.5	74.7	65.9
-85°	32.7	33.4	33.8	34.0	34.0	35.1	36.1	37.1	37.9	34.3	30.4
-87.5°	7.4	7.2	6.9	6.7	6.3	6.2	6.1	6.0	5.8	5.4	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	4.0	3.5	3.0	3.5	4.0	4.5	4.9	5.4	5.8	6.0
85°	26.3	22.0	21.6	21.1	21.6	22.0	26.3	30.4	34.3	37.9	37.1
82.5°	56.7	47.1	45.6	44.2	45.6	47.1	56.7	65.9	74.7	82.5	81.9
80°	90.3	77.3	74.7	72.3	74.7	77.3	90.3	102.9	115.0	125.7	127.1
77.5°	132.5	114.6	109.4	104.4	109.4	114.6	132.5	149.6	166.0	179.2	178.6
75°	180.7	161.9	155.5	149.6	155.5	161.9	180.7	198.9	216.3	229.6	228.0
72.5°	249.5	238.1	226.5	213.8	226.5	238.1	249.5	260.6	271.5	279.1	276.7
70°	336.5	335.7	332.8	328.3	332.8	335.7	336.5	336.9	337.2	336.4	332.1
67.5°	413.7	413.4	414.4	414.6	414.4	413.4	413.7	412.7	410.4	406.2	399.9
65°	502.0	503.0	505.1	506.0	505.1	503.0	502.0	499.3	494.8	489.5	482.6
62.5°	620.1	625.2	627.7	627.4	627.7	625.2	620.1	612.5	602.6	591.0	578.7
60°	732.4	737.7	741.0	741.9	741.0	737.7	732.4	724.3	713.4	698.8	681.4
57.5°	860.4	869.1	873.7	874.4	873.7	869.1	860.4	848.3	833.1	814.4	792.3
55°	1017.8	1029.4	1034.6	1034.0	1034.6	1029.4	1017.8	1001.3	979.7	952.5	921.6
52.5°	1202.8	1216.9	1227.4	1233.8	1227.4	1216.9	1202.8	1182.2	1155.1	1120.2	1078.0
50°	1443.5	1463.6	1476.5	1481.7	1476.5	1463.6	1443.5	1414.0	1374.8	1326.3	1270.2
47.5°	1744.6	1771.3	1791.2	1805.0	1791.2	1771.3	1744.6	1705.2	1650.6	1582.6	1504.2
45°	2136.9	2177.7	2205.4	2221.6	2205.4	2177.7	2136.9	2078.7	1999.9	1902.0	1790.8
42.5°	2661.8	2725.1	2763.8	2778.7	2763.8	2725.1	2661.8	2573.1	2459.5	2318.9	2171.5
40°	3270.8	3346.9	3396.8	3431.3	3396.8	3346.9	3270.8	3162.4	3025.0	2857.4	2674.7
37.5°	3905.3	3985.2	4033.8	4066.7	4033.8	3985.2	3905.3	3787.2	3633.3	3449.9	3233.9
35°	4552.6	4636.2	4681.7	4707.2	4681.7	4636.2	4552.6	4419.9	4243.9	4036.9	3802.0
32.5°	5217.0	5309.1	5358.7	5409.9	5358.7	5309.1	5217.0	5062.7	4860.4	4628.0	4370.3
30°	5911.0	6016.7	6068.6	6093.6	6068.6	6016.7	5911.0	5726.8	5493.6	5235.0	4943.8
27.5°	6633.1	6764.9	6829.8	6872.6	6829.8	6764.9	6633.1	6418.0	6151.6	5859.2	5525.1
25°	7384.5	7547.8	7622.2	7688.7	7622.2	7547.8	7384.5	7133.2	6835.7	6500.2	6117.5
22.5°	8164.1	8367.5	8453.6	8500.9	8453.6	8367.5	8164.1	7869.1	7534.2	7152.1	6724.1
20°	8964.1	9207.1	9326.7	9388.3	9326.7	9207.1	8964.1	8628.9	8241.3	7800.2	7323.4
17.5°	9782.1	10084.4	10239.2	10274.7	10239.2	10084.4	9782.1	9404.4	8954.7	8452.8	7907.7
15°	10585.2	10912.1	11095.1	11162.2	11095.1	10912.1	10585.2	10159.3	9657.2	9087.1	8473.6
12.5°	11345.7	11684.6	11903.2	11942.2	11903.2	11684.6	11345.7	10884.3	10342.3	9684.1	9004.9
10°	12035.4	12386.5	12628.0	12683.1	12628.0	12386.5	12035.4	11526.1	10906.2	10208.0	9459.7
7.5°	12612.0	12997.2	13264.0	13310.5	13264.0	12997.2	12612.0	12069.0	11383.1	10630.8	9832.2
5°	13033.9	13491.2	13710.2	13765.2	13710.2	13491.2	13033.9	12441.0	11730.2	10939.2	10104.4
2.5°	13265.3	13730.9	14035.3	14000.1	14035.3	13730.9	13265.3	12673.6	11943.1	11122.6	10265.8
0°	13291.4	13778.3	14069.4	14203.9	14069.4	13778.3	13291.4	12723.2	11995.4	11186.3	10295.8
-2.5°	13265.3	13730.9	14035.3	14000.1	14035.3	13730.9	13265.3	12673.6	11943.1	11122.6	10265.8
-5°	13033.9	13491.2	13710.2	13765.2	13710.2	13491.2	13033.9	12441.0	11730.2	10939.2	10104.4
-7.5°	12612.0	12997.2	13264.0	13310.5	13264.0	12997.2	12612.0	12069.0	11383.1	10630.8	9832.2
-10°	12035.4	12386.5	12628.0	12683.1	12628.0	12386.5	12035.4	11526.1	10906.2	10208.0	9459.7
-12.5°	11345.7	11684.6	11903.2	11942.2	11903.2	11684.6	11345.7	10884.3	10342.3	9684.1	9004.9
-15°	10585.2	10912.1	11095.1	11162.2	11095.1	10912.1	10585.2	10159.3	9657.2	9087.1	8473.6
-17.5°	9782.1	10084.4	10239.2	10274.7	10239.2	10084.4	9782.1	9404.4	8954.7	8452.8	7907.7
-20°	8964.1	9207.1	9326.7	9388.3	9326.7	9207.1	8964.1	8628.9	8241.3	7800.2	7323.4



REPORT NUMBER: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8164.1	8367.5	8453.6	8500.9	8453.6	8367.5	8164.1	7869.1	7534.2	7152.1	6724.1
-25°	7384.5	7547.8	7622.2	7688.7	7622.2	7547.8	7384.5	7133.2	6835.7	6500.2	6117.5
-27.5°	6633.1	6764.9	6829.8	6872.6	6829.8	6764.9	6633.1	6418.0	6151.6	5859.2	5525.1
-30°	5911.0	6016.7	6068.6	6093.6	6068.6	6016.7	5911.0	5726.8	5493.6	5235.0	4943.8
-32.5°	5217.0	5309.1	5358.7	5409.9	5358.7	5309.1	5217.0	5062.7	4860.4	4628.0	4370.3
-35°	4552.6	4636.2	4681.7	4707.2	4681.7	4636.2	4552.6	4419.9	4243.9	4036.9	3802.0
-37.5°	3905.3	3985.2	4033.8	4066.7	4033.8	3985.2	3905.3	3787.2	3633.3	3449.9	3233.9
-40°	3270.8	3346.9	3396.8	3431.3	3396.8	3346.9	3270.8	3162.4	3025.0	2857.4	2674.7
-42.5°	2661.8	2725.1	2763.8	2778.7	2763.8	2725.1	2661.8	2573.1	2459.5	2318.9	2171.5
-45°	2136.9	2177.7	2205.4	2221.6	2205.4	2177.7	2136.9	2078.7	1999.9	1902.0	1790.8
-47.5°	1744.6	1771.3	1791.2	1805.0	1791.2	1771.3	1744.6	1705.2	1650.6	1582.6	1504.2
-50°	1443.5	1463.6	1476.5	1481.7	1476.5	1463.6	1443.5	1414.0	1374.8	1326.3	1270.2
-52.5°	1202.8	1216.9	1227.4	1233.8	1227.4	1216.9	1202.8	1182.2	1155.1	1120.2	1078.0
-55°	1017.8	1029.4	1034.6	1034.0	1034.6	1029.4	1017.8	1001.3	979.7	952.5	921.6
-57.5°	860.4	869.1	873.7	874.4	873.7	869.1	860.4	848.3	833.1	814.4	792.3
-60°	732.4	737.7	741.0	741.9	741.0	737.7	732.4	724.3	713.4	698.8	681.4
-62.5°	620.1	625.2	627.7	627.4	627.7	625.2	620.1	612.5	602.6	591.0	578.7
-65°	502.0	503.0	505.1	506.0	505.1	503.0	502.0	499.3	494.8	489.5	482.6
-67.5°	413.7	413.4	414.4	414.6	414.4	413.4	413.7	412.7	410.4	406.2	399.9
-70°	336.5	335.7	332.8	328.3	332.8	335.7	336.5	336.9	337.2	336.4	332.1
-72.5°	249.5	238.1	226.5	213.8	226.5	238.1	249.5	260.6	271.5	279.1	276.7
-75°	180.7	161.9	155.5	149.6	155.5	161.9	180.7	198.9	216.3	229.6	228.0
-77.5°	132.5	114.6	109.4	104.4	109.4	114.6	132.5	149.6	166.0	179.2	178.6
-80°	90.3	77.3	74.7	72.3	74.7	77.3	90.3	102.9	115.0	125.7	127.1
-82.5°	56.7	47.1	45.6	44.2	45.6	47.1	56.7	65.9	74.7	82.5	81.9
-85°	26.3	22.0	21.6	21.1	21.6	22.0	26.3	30.4	34.3	37.9	37.1
-87.5°	4.5	4.0	3.5	3.0	3.5	4.0	4.5	4.9	5.4	5.8	6.0
-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: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	6.2	6.3	6.7	6.9	7.2	7.4	7.1	6.9	6.6	6.4
85°	36.1	35.1	34.0	34.0	33.8	33.4	32.7	29.3	26.0	23.0	20.3
82.5°	80.9	79.5	77.7	75.0	72.3	69.5	66.4	59.4	52.6	46.0	40.7
80°	127.8	127.9	126.6	121.7	116.5	111.1	104.5	93.4	82.6	72.5	65.5
77.5°	177.7	176.5	174.1	167.5	160.7	153.9	145.4	130.9	116.5	102.6	93.6
75°	226.0	223.4	219.1	210.9	202.1	192.6	182.3	169.9	155.5	139.3	127.5
72.5°	273.6	269.9	264.2	255.5	245.7	235.4	224.6	212.4	198.3	182.4	170.5
70°	326.8	320.8	313.1	303.3	293.2	282.3	271.0	258.5	243.9	228.0	215.4
67.5°	391.9	382.3	371.5	359.9	348.8	335.8	322.6	308.4	293.6	276.8	260.9
65°	472.9	460.1	445.6	433.0	418.0	400.3	380.5	363.1	346.0	327.2	306.4
62.5°	566.1	553.6	533.6	513.0	493.0	472.8	448.7	424.4	401.0	377.5	353.1
60°	661.5	639.0	617.3	593.6	568.1	540.7	514.3	486.6	457.7	429.3	400.2
57.5°	766.6	738.9	710.4	680.0	647.6	616.5	584.3	549.8	517.0	482.6	447.8
55°	887.3	853.8	817.5	777.6	736.5	699.5	660.2	620.8	580.8	537.5	499.1
52.5°	1030.5	988.7	942.1	890.5	842.2	793.2	742.1	697.3	648.5	600.4	552.6
50°	1212.9	1153.7	1089.5	1024.4	964.5	899.9	839.8	780.9	721.9	666.2	610.5
47.5°	1431.4	1353.1	1265.4	1184.5	1105.1	1025.0	951.1	873.2	805.5	735.4	673.5
45°	1697.1	1592.8	1480.1	1377.3	1265.8	1169.0	1074.8	985.2	896.2	817.0	738.1
42.5°	2036.7	1884.7	1741.6	1605.3	1464.8	1337.6	1212.1	1105.9	1001.4	903.4	814.4
40°	2473.5	2252.1	2068.3	1872.7	1702.7	1532.2	1382.2	1235.0	1116.3	1000.2	891.6
37.5°	2989.2	2730.0	2467.6	2199.9	1978.5	1764.4	1571.2	1397.9	1236.5	1104.5	979.2
35°	3534.5	3241.7	2927.5	2613.9	2290.6	2031.3	1785.8	1572.3	1384.0	1213.7	1069.3
32.5°	4078.7	3757.2	3411.2	3053.5	2690.3	2327.2	2032.6	1768.2	1532.6	1338.6	1167.7
30°	4622.5	4269.8	3890.7	3500.0	3101.6	2694.1	2292.2	1983.2	1706.6	1463.4	1266.8
27.5°	5168.2	4785.9	4371.1	3941.2	3511.7	3067.4	2622.0	2205.1	1882.0	1607.2	1375.5
25°	5714.4	5286.9	4841.6	4373.7	3905.4	3433.0	2940.9	2476.2	2078.7	1751.0	1475.8
22.5°	6262.3	5782.3	5285.9	4783.3	4279.7	3774.9	3259.8	2741.8	2265.0	1897.3	1593.0
20°	6803.6	6264.5	5721.1	5176.3	4633.5	4093.7	3555.2	3002.2	2484.1	2048.7	1702.5
17.5°	7325.1	6726.3	6136.2	5545.6	4965.0	4392.7	3820.0	3242.5	2679.7	2183.5	1799.2
15°	7821.7	7168.3	6527.5	5893.3	5266.8	4652.1	4054.5	3453.5	2857.7	2324.1	1905.1
12.5°	8290.3	7577.1	6879.1	6190.8	5525.0	4880.9	4259.6	3638.8	3025.2	2461.1	1999.6
10°	8690.5	7925.4	7174.1	6448.2	5748.7	5075.4	4428.8	3795.5	3168.9	2575.1	2076.9
7.5°	9015.9	8205.4	7413.2	6651.6	5924.1	5230.3	4559.5	3915.7	3282.6	2664.2	2136.5
5°	9253.7	8411.4	7590.4	6802.3	6045.5	5343.0	4651.7	3997.9	3365.1	2727.6	2178.2
2.5°	9401.2	8536.0	7695.8	6893.9	6116.2	5410.7	4705.2	4047.6	3412.1	2762.4	2204.4
0°	9428.5	8594.2	7728.9	6903.7	6156.8	5431.0	4719.3	4065.7	3424.2	2769.7	2212.6
-2.5°	9401.2	8536.0	7695.8	6893.9	6116.2	5410.7	4705.2	4047.6	3412.1	2762.4	2204.4
-5°	9253.7	8411.4	7590.4	6802.3	6045.5	5343.0	4651.7	3997.9	3365.1	2727.6	2178.2
-7.5°	9015.9	8205.4	7413.2	6651.6	5924.1	5230.3	4559.5	3915.7	3282.6	2664.2	2136.5
-10°	8690.5	7925.4	7174.1	6448.2	5748.7	5075.4	4428.8	3795.5	3168.9	2575.1	2076.9
-12.5°	8290.3	7577.1	6879.1	6190.8	5525.0	4880.9	4259.6	3638.8	3025.2	2461.1	1999.6
-15°	7821.7	7168.3	6527.5	5893.3	5266.8	4652.1	4054.5	3453.5	2857.7	2324.1	1905.1
-17.5°	7325.1	6726.3	6136.2	5545.6	4965.0	4392.7	3820.0	3242.5	2679.7	2183.5	1799.2
-20°	6803.6	6264.5	5721.1	5176.3	4633.5	4093.7	3555.2	3002.2	2484.1	2048.7	1702.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6262.3	5782.3	5285.9	4783.3	4279.7	3774.9	3259.8	2741.8	2265.0	1897.3	1593.0
-25°	5714.4	5286.9	4841.6	4373.7	3905.4	3433.0	2940.9	2476.2	2078.7	1751.0	1475.8
-27.5°	5168.2	4785.9	4371.1	3941.2	3511.7	3067.4	2622.0	2205.1	1882.0	1607.2	1375.5
-30°	4622.5	4269.8	3890.7	3500.0	3101.6	2694.1	2292.2	1983.2	1706.6	1463.4	1266.8
-32.5°	4078.7	3757.2	3411.2	3053.5	2690.3	2327.2	2032.6	1768.2	1532.6	1338.6	1167.7
-35°	3534.5	3241.7	2927.5	2613.9	2290.6	2031.3	1785.8	1572.3	1384.0	1213.7	1069.3
-37.5°	2989.2	2730.0	2467.6	2199.9	1978.5	1764.4	1571.2	1397.9	1236.5	1104.5	979.2
-40°	2473.5	2252.1	2068.3	1872.7	1702.7	1532.2	1382.2	1235.0	1116.3	1000.2	891.6
-42.5°	2036.7	1884.7	1741.6	1605.3	1464.8	1337.6	1212.1	1105.9	1001.4	903.4	814.4
-45°	1697.1	1592.8	1480.1	1377.3	1265.8	1169.0	1074.8	985.2	896.2	817.0	738.1
-47.5°	1431.4	1353.1	1265.4	1184.5	1105.1	1025.0	951.1	873.2	805.5	735.4	673.5
-50°	1212.9	1153.7	1089.5	1024.4	964.5	899.9	839.8	780.9	721.9	666.2	610.5
-52.5°	1030.5	988.7	942.1	890.5	842.2	793.2	742.1	697.3	648.5	600.4	552.6
-55°	887.3	853.8	817.5	777.6	736.5	699.5	660.2	620.8	580.8	537.5	499.1
-57.5°	766.6	738.9	710.4	680.0	647.6	616.5	584.3	549.8	517.0	482.6	447.8
-60°	661.5	639.0	617.3	593.6	568.1	540.7	514.3	486.6	457.7	429.3	400.2
-62.5°	566.1	553.6	533.6	513.0	493.0	472.8	448.7	424.4	401.0	377.5	353.1
-65°	472.9	460.1	445.6	433.0	418.0	400.3	380.5	363.1	346.0	327.2	306.4
-67.5°	391.9	382.3	371.5	359.9	348.8	335.8	322.6	308.4	293.6	276.8	260.9
-70°	326.8	320.8	313.1	303.3	293.2	282.3	271.0	258.5	243.9	228.0	215.4
-72.5°	273.6	269.9	264.2	255.5	245.7	235.4	224.6	212.4	198.3	182.4	170.5
-75°	226.0	223.4	219.1	210.9	202.1	192.6	182.3	169.9	155.5	139.3	127.5
-77.5°	177.7	176.5	174.1	167.5	160.7	153.9	145.4	130.9	116.5	102.6	93.6
-80°	127.8	127.9	126.6	121.7	116.5	111.1	104.5	93.4	82.6	72.5	65.5
-82.5°	80.9	79.5	77.7	75.0	72.3	69.5	66.4	59.4	52.6	46.0	40.7
-85°	36.1	35.1	34.0	34.0	33.8	33.4	32.7	29.3	26.0	23.0	20.3
-87.5°	6.1	6.2	6.3	6.7	6.9	7.2	7.4	7.1	6.9	6.6	6.4
-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: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.1	7.8	8.3	8.7	8.9	9.1	9.1	8.9	8.6	8.1	7.5
85°	21.3	21.7	21.6	21.0	19.6	18.1	18.1	17.9	17.1	16.1	14.9
82.5°	42.2	43.6	44.3	44.0	41.3	38.4	35.3	32.1	28.6	24.7	22.4
80°	67.9	69.4	69.9	68.8	63.9	58.7	54.1	49.5	44.9	39.8	34.0
77.5°	95.6	96.7	97.0	95.2	89.0	82.3	75.1	67.6	61.2	54.8	47.7
75°	125.3	125.7	125.5	122.2	114.6	106.0	97.3	87.9	78.6	69.9	61.3
72.5°	164.0	158.7	154.8	149.6	141.2	131.5	120.4	108.0	96.1	85.0	74.6
70°	204.4	193.3	184.6	176.6	167.4	157.1	144.8	129.2	113.3	99.8	87.2
67.5°	246.5	232.7	218.9	204.4	193.0	181.4	168.9	150.1	131.1	114.3	99.6
65°	287.6	270.6	254.8	236.0	219.5	205.3	191.3	170.0	148.3	128.7	111.6
62.5°	329.0	306.1	286.4	266.0	246.1	228.6	212.7	188.5	164.7	142.5	123.1
60°	371.6	344.7	317.9	294.3	271.8	250.6	230.8	206.4	180.6	155.6	133.9
57.5°	415.6	383.4	352.7	323.3	297.1	272.7	248.2	222.9	196.0	169.0	143.7
55°	460.0	423.7	387.6	353.9	322.9	295.1	266.3	238.7	210.8	182.0	151.5
52.5°	507.7	465.1	424.5	385.1	349.6	316.9	285.6	254.1	224.8	194.5	160.0
50°	558.2	509.0	462.6	418.6	376.0	339.7	304.4	271.1	238.5	206.5	168.0
47.5°	611.4	555.6	502.7	452.4	406.2	361.8	324.1	287.7	251.9	218.4	175.2
45°	669.9	603.5	544.0	488.7	435.0	386.8	343.5	303.8	266.3	226.9	181.7
42.5°	728.7	655.2	586.8	523.8	466.5	412.1	362.1	320.4	280.2	234.7	188.1
40°	796.4	708.1	629.9	561.7	497.5	436.3	383.6	336.5	293.1	242.5	194.3
37.5°	862.5	765.0	676.9	597.7	528.1	463.6	404.3	351.8	303.3	250.9	199.9
35°	940.3	823.7	721.6	635.9	559.6	489.5	423.8	367.4	314.5	259.0	204.9
32.5°	1016.0	883.5	772.0	674.9	589.4	514.1	444.5	383.4	325.9	266.7	209.3
30°	1099.0	948.5	819.5	711.5	618.9	539.3	465.3	398.5	337.3	274.0	213.5
27.5°	1178.9	1008.5	865.7	750.3	650.2	562.9	484.6	412.6	348.9	281.6	218.8
25°	1258.0	1073.2	916.6	787.2	678.9	584.4	502.3	425.8	360.2	290.2	223.6
22.5°	1343.8	1135.9	962.5	820.4	704.8	604.1	519.2	440.2	370.5	298.3	227.7
20°	1422.7	1192.5	1003.5	852.1	730.6	625.3	535.0	453.0	379.9	305.9	231.3
17.5°	1497.2	1250.0	1049.2	886.5	755.0	643.9	548.9	464.4	388.1	312.9	234.1
15°	1575.3	1307.1	1090.4	916.2	776.1	660.1	560.9	474.1	395.2	319.2	236.8
12.5°	1642.0	1355.5	1125.0	941.2	793.8	673.6	570.8	482.2	401.1	324.6	239.2
10°	1697.0	1394.7	1152.9	961.4	808.0	684.4	578.8	488.8	406.0	328.8	240.6
7.5°	1739.8	1424.7	1174.0	976.7	818.9	692.8	585.4	493.9	409.8	331.7	240.9
5°	1769.7	1445.6	1189.5	987.4	827.3	698.9	590.1	497.3	412.4	333.3	240.1
2.5°	1785.4	1457.4	1198.9	993.1	832.0	702.2	592.8	499.0	413.7	333.5	238.5
0°	1787.9	1459.6	1201.6	993.8	833.2	702.7	593.3	498.9	413.6	332.3	235.9
-2.5°	1785.4	1457.4	1198.9	993.1	832.0	702.2	592.8	499.0	413.7	333.5	238.5
-5°	1769.7	1445.6	1189.5	987.4	827.3	698.9	590.1	497.3	412.4	333.3	240.1
-7.5°	1739.8	1424.7	1174.0	976.7	818.9	692.8	585.4	493.9	409.8	331.7	240.9
-10°	1697.0	1394.7	1152.9	961.4	808.0	684.4	578.8	488.8	406.0	328.8	240.6
-12.5°	1642.0	1355.5	1125.0	941.2	793.8	673.6	570.8	482.2	401.1	324.6	239.2
-15°	1575.3	1307.1	1090.4	916.2	776.1	660.1	560.9	474.1	395.2	319.2	236.8
-17.5°	1497.2	1250.0	1049.2	886.5	755.0	643.9	548.9	464.4	388.1	312.9	234.1
-20°	1422.7	1192.5	1003.5	852.1	730.6	625.3	535.0	453.0	379.9	305.9	231.3

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1343.8	1135.9	962.5	820.4	704.8	604.1	519.2	440.2	370.5	298.3	227.7
-25°	1258.0	1073.2	916.6	787.2	678.9	584.4	502.3	425.8	360.2	290.2	223.6
-27.5°	1178.9	1008.5	865.7	750.3	650.2	562.9	484.6	412.6	348.9	281.6	218.8
-30°	1099.0	948.5	819.5	711.5	618.9	539.3	465.3	398.5	337.3	274.0	213.5
-32.5°	1016.0	883.5	772.0	674.9	589.4	514.1	444.5	383.4	325.9	266.7	209.3
-35°	940.3	823.7	721.6	635.9	559.6	489.5	423.8	367.4	314.5	259.0	204.9
-37.5°	862.5	765.0	676.9	597.7	528.1	463.6	404.3	351.8	303.3	250.9	199.9
-40°	796.4	708.1	629.9	561.7	497.5	436.3	383.6	336.5	293.1	242.5	194.3
-42.5°	728.7	655.2	586.8	523.8	466.5	412.1	362.1	320.4	280.2	234.7	188.1
-45°	669.9	603.5	544.0	488.7	435.0	386.8	343.5	303.8	266.3	226.9	181.7
-47.5°	611.4	555.6	502.7	452.4	406.2	361.8	324.1	287.7	251.9	218.4	175.2
-50°	558.2	509.0	462.6	418.6	376.0	339.7	304.4	271.1	238.5	206.5	168.0
-52.5°	507.7	465.1	424.5	385.1	349.6	316.9	285.6	254.1	224.8	194.5	160.0
-55°	460.0	423.7	387.6	353.9	322.9	295.1	266.3	238.7	210.8	182.0	151.5
-57.5°	415.6	383.4	352.7	323.3	297.1	272.7	248.2	222.9	196.0	169.0	143.7
-60°	371.6	344.7	317.9	294.3	271.8	250.6	230.8	206.4	180.6	155.6	133.9
-62.5°	329.0	306.1	286.4	266.0	246.1	228.6	212.7	188.5	164.7	142.5	123.1
-65°	287.6	270.6	254.8	236.0	219.5	205.3	191.3	170.0	148.3	128.7	111.6
-67.5°	246.5	232.7	218.9	204.4	193.0	181.4	168.9	150.1	131.1	114.3	99.6
-70°	204.4	193.3	184.6	176.6	167.4	157.1	144.8	129.2	113.3	99.8	87.2
-72.5°	164.0	158.7	154.8	149.6	141.2	131.5	120.4	108.0	96.1	85.0	74.6
-75°	125.3	125.7	125.5	122.2	114.6	106.0	97.3	87.9	78.6	69.9	61.3
-77.5°	95.6	96.7	97.0	95.2	89.0	82.3	75.1	67.6	61.2	54.8	47.7
-80°	67.9	69.4	69.9	68.8	63.9	58.7	54.1	49.5	44.9	39.8	34.0
-82.5°	42.2	43.6	44.3	44.0	41.3	38.4	35.3	32.1	28.6	24.7	22.4
-85°	21.3	21.7	21.6	21.0	19.6	18.1	18.1	17.9	17.1	16.1	14.9
-87.5°	7.1	7.8	8.3	8.7	8.9	9.1	9.1	8.9	8.6	8.1	7.5
-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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REPORT NUMBER: P627033 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.8	5.3	3.9	2.7	1.7	0.7	0.0
85°	13.5	10.5	7.8	5.4	3.3	1.4	0.0
82.5°	20.1	15.7	11.7	8.1	5.0	2.2	0.0
80°	27.4	20.9	15.5	10.8	6.6	2.9	0.0
77.5°	39.1	27.1	19.3	13.4	8.2	3.6	0.0
75°	50.4	35.5	23.4	16.0	9.8	4.3	0.0
72.5°	61.5	43.6	29.0	18.5	11.3	5.0	0.0
70°	71.9	51.4	34.4	21.2	12.8	5.6	0.0
67.5°	80.9	58.8	39.6	24.5	14.3	6.3	0.0
65°	89.5	65.6	44.5	27.6	15.7	6.9	0.0
62.5°	97.7	71.8	49.1	30.6	17.1	7.5	0.0
60°	105.3	77.7	53.4	33.4	18.4	8.1	0.0
57.5°	112.2	83.1	57.4	36.1	20.0	8.7	0.0
55°	118.5	88.1	61.2	38.5	21.5	9.3	0.0
52.5°	124.4	92.7	64.6	40.7	23.0	9.8	0.0
50°	129.6	97.0	67.7	42.7	24.4	10.3	0.0
47.5°	134.6	100.8	70.5	44.5	25.8	10.8	0.0
45°	140.1	104.1	73.0	46.3	27.1	11.2	0.0
42.5°	145.0	107.1	75.1	47.9	28.3	11.6	0.0
40°	149.3	109.6	77.0	49.7	29.4	12.0	0.0
37.5°	153.0	111.6	78.7	51.5	30.4	12.4	0.0
35°	156.0	113.9	80.1	53.1	31.4	12.7	0.0
32.5°	158.8	116.0	81.1	54.6	32.3	13.0	0.0
30°	161.9	117.7	81.9	56.0	33.1	13.3	0.0
27.5°	164.5	118.9	83.6	57.2	33.8	13.5	0.0
25°	166.5	119.6	85.3	58.2	34.5	13.7	0.0
22.5°	167.9	120.5	86.8	59.1	35.0	13.9	0.0
20°	168.7	122.7	88.0	59.8	35.5	14.1	0.0
17.5°	170.6	124.5	89.1	60.4	35.9	14.2	0.0
15°	172.9	125.9	89.9	60.8	36.2	14.2	0.0
12.5°	174.5	127.0	90.6	61.1	36.4	14.3	0.0
10°	175.5	127.6	91.0	61.2	36.5	14.3	0.0
7.5°	176.0	127.9	91.1	61.2	36.5	14.3	0.0
5°	175.8	127.8	91.1	61.0	36.5	14.3	0.0
2.5°	175.0	127.3	90.8	60.7	36.3	14.2	0.0
0°	173.7	126.5	90.3	60.2	36.1	14.1	0.0
-2.5°	175.0	127.3	90.8	60.7	36.3	14.2	0.0
-5°	175.8	127.8	91.1	61.0	36.5	14.3	0.0
-7.5°	176.0	127.9	91.1	61.2	36.5	14.3	0.0
-10°	175.5	127.6	91.0	61.2	36.5	14.3	0.0
-12.5°	174.5	127.0	90.6	61.1	36.4	14.3	0.0
-15°	172.9	125.9	89.9	60.8	36.2	14.2	0.0
-17.5°	170.6	124.5	89.1	60.4	35.9	14.2	0.0
-20°	168.7	122.7	88.0	59.8	35.5	14.1	0.0

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CATALOG NUMBER: GFLD-SA2E-730-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	167.9	120.5	86.8	59.1	35.0	13.9	0.0
-25°	166.5	119.6	85.3	58.2	34.5	13.7	0.0
-27.5°	164.5	118.9	83.6	57.2	33.8	13.5	0.0
-30°	161.9	117.7	81.9	56.0	33.1	13.3	0.0
-32.5°	158.8	116.0	81.1	54.6	32.3	13.0	0.0
-35°	156.0	113.9	80.1	53.1	31.4	12.7	0.0
-37.5°	153.0	111.6	78.7	51.5	30.4	12.4	0.0
-40°	149.3	109.6	77.0	49.7	29.4	12.0	0.0
-42.5°	145.0	107.1	75.1	47.9	28.3	11.6	0.0
-45°	140.1	104.1	73.0	46.3	27.1	11.2	0.0
-47.5°	134.6	100.8	70.5	44.5	25.8	10.8	0.0
-50°	129.6	97.0	67.7	42.7	24.4	10.3	0.0
-52.5°	124.4	92.7	64.6	40.7	23.0	9.8	0.0
-55°	118.5	88.1	61.2	38.5	21.5	9.3	0.0
-57.5°	112.2	83.1	57.4	36.1	20.0	8.7	0.0
-60°	105.3	77.7	53.4	33.4	18.4	8.1	0.0
-62.5°	97.7	71.8	49.1	30.6	17.1	7.5	0.0
-65°	89.5	65.6	44.5	27.6	15.7	6.9	0.0
-67.5°	80.9	58.8	39.6	24.5	14.3	6.3	0.0
-70°	71.9	51.4	34.4	21.2	12.8	5.6	0.0
-72.5°	61.5	43.6	29.0	18.5	11.3	5.0	0.0
-75°	50.4	35.5	23.4	16.0	9.8	4.3	0.0
-77.5°	39.1	27.1	19.3	13.4	8.2	3.6	0.0
-80°	27.4	20.9	15.5	10.8	6.6	2.9	0.0
-82.5°	20.1	15.7	11.7	8.1	5.0	2.2	0.0
-85°	13.5	10.5	7.8	5.4	3.3	1.4	0.0
-87.5°	6.8	5.3	3.9	2.7	1.7	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)