

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: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-727-U-NR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA5E-727-U-NR-XX  
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, NARROW SYMMETRICAL ROUND N112  
Light Source: (80) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37004.9 lumens  
Efficiency: N/A  
Efficacy: 118.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')

NEMA Type: 3H x 3V  
Max Intensity: 348492.7 candela  
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 13.7°H x 13.6°V  
Beam Lumens: 10940.7 lumens  
Beam Efficiency: 29.6%

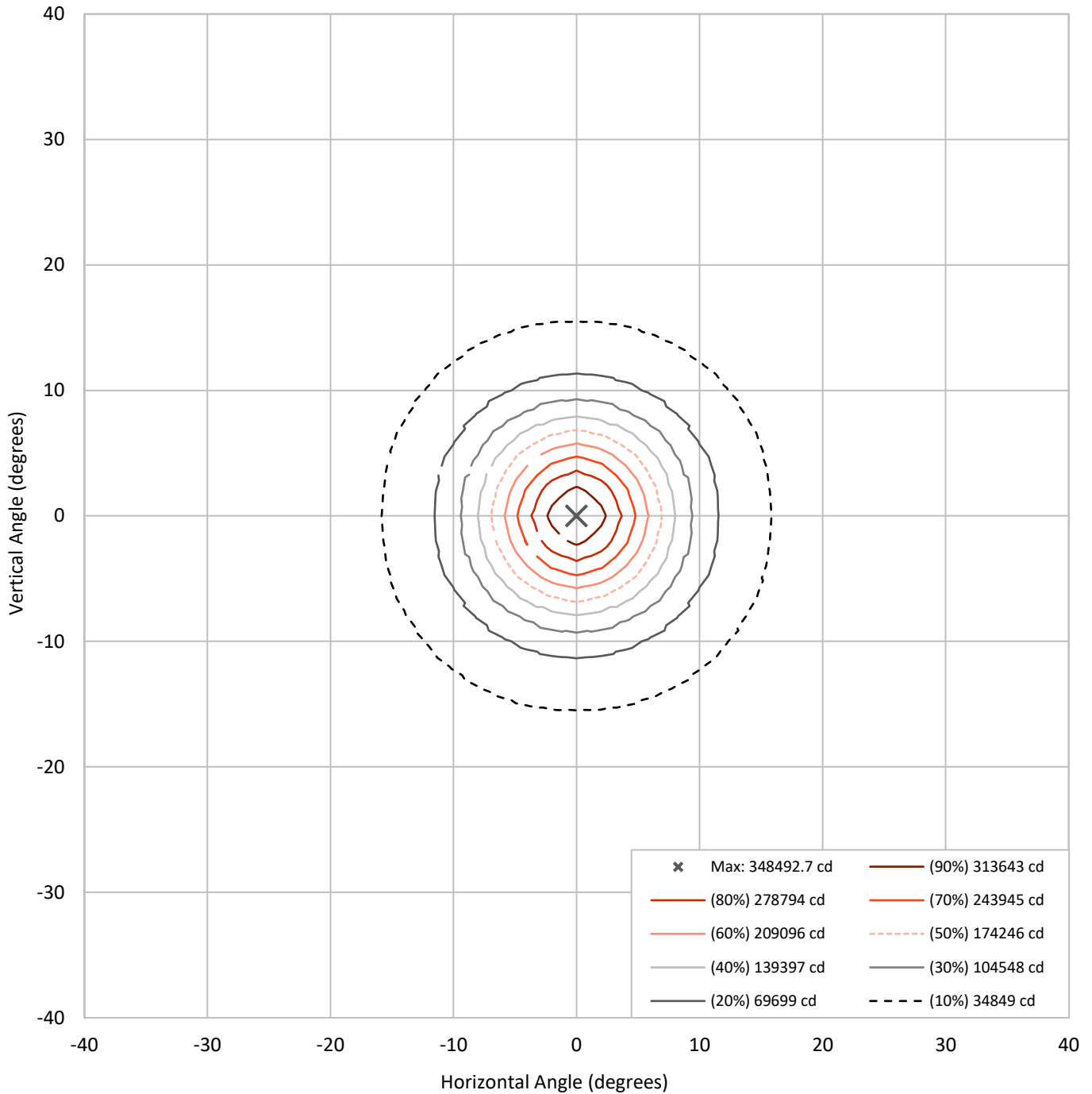
Field Angle (10%): 31.6°H x 30.6°V  
Field Lumens: 24621 lumens  
Field Efficiency: 66.5%

Input Watts (W): 313.7  
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





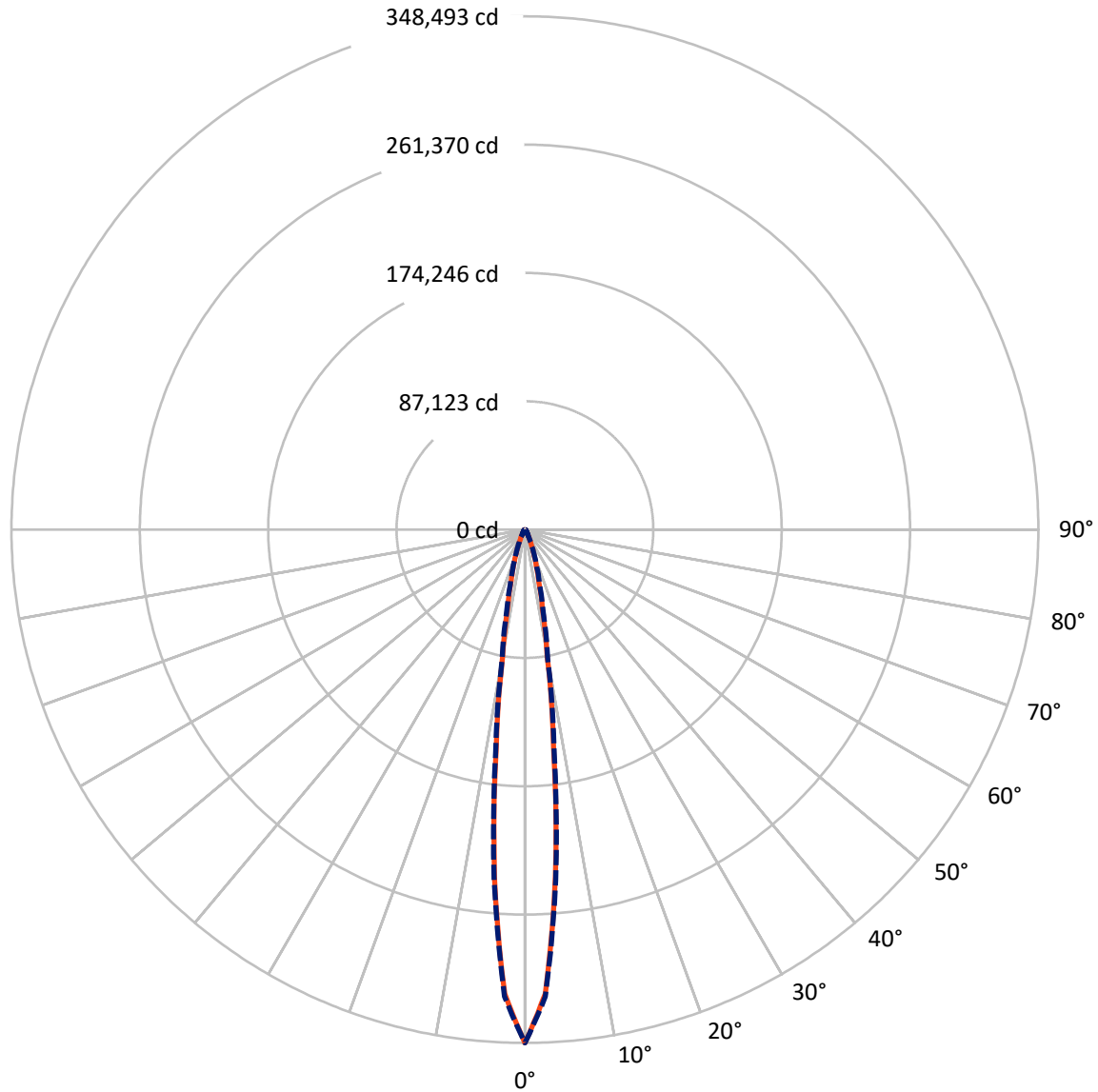
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### Lumen Table

90	0.6	5.1	13.3	21.5	23.5	21.5	13.3	5.1	0.6							
80	0.6	5.1	13.3	21.5	23.5	21.5	13.3	5.1	0.6							
70	2.3	2.6	5.3	8.8	12.4	15.2	17.1	17.8	17.8	17.1	15.2	12.4	8.8	5.3	2.6	2.3
60		3.9	8.0	13.0	17.5	21.3	23.9	24.9	24.9	23.9	21.3	17.5	13.0	8.0	3.9	
50	4.0	5.1	10.4	16.1	21.4	26.9	31.7	34.2	34.2	31.7	26.9	21.4	16.1	10.4	5.1	4.0
40		6.2	12.2	18.6	26.3	37.8	53.3	66.0	66.0	53.3	37.8	26.3	18.6	12.2	6.2	
30	5.2	7.0	13.4	20.9	34.1	67.6	154.0	254.9	254.9	154.0	67.6	34.1	20.9	13.4	7.0	5.2
20		7.5	14.0	23.1	45.2	143.6	509.8	1098.0	1098.0	509.8	143.6	45.2	23.1	14.0	7.5	
10	5.6	7.8	14.4	24.5	54.6	236.6	1108.2	4787.4	4787.4	1108.2	236.6	54.6	24.5	14.4	7.8	5.6
0		7.8	14.4	24.5	54.6	236.6	1108.2	4787.4	4787.4	1108.2	236.6	54.6	24.5	14.4	7.8	
-10	5.2	7.5	14.0	23.1	45.2	143.6	509.8	1098.0	1098.0	509.8	143.6	45.2	23.1	14.0	7.5	5.2
-20		7.0	13.4	20.9	34.1	67.6	154.0	254.9	254.9	154.0	67.6	34.1	20.9	13.4	7.0	
-30	4.0	6.2	12.2	18.6	26.3	37.8	53.3	66.0	66.0	53.3	37.8	26.3	18.6	12.2	6.2	4.0
-40		5.1	10.4	16.1	21.4	26.9	31.7	34.2	34.2	31.7	26.9	21.4	16.1	10.4	5.1	
-50	2.3	3.9	8.0	13.0	17.5	21.3	23.9	24.9	24.9	23.9	21.3	17.5	13.0	8.0	3.9	2.3
-60		2.6	5.3	8.8	12.4	15.2	17.1	17.8	17.8	17.1	15.2	12.4	8.8	5.3	2.6	
-70	0.6	5.1	13.3	21.5	23.5	21.5	13.3	5.1	0.6							
-80		0.6	5.1	13.3	21.5	23.5	21.5	13.3	5.1	0.6						
-90	0.6	5.1	13.3	21.5	23.5	21.5	13.3	5.1	0.6							

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### Luminous Intensity Polar Plot

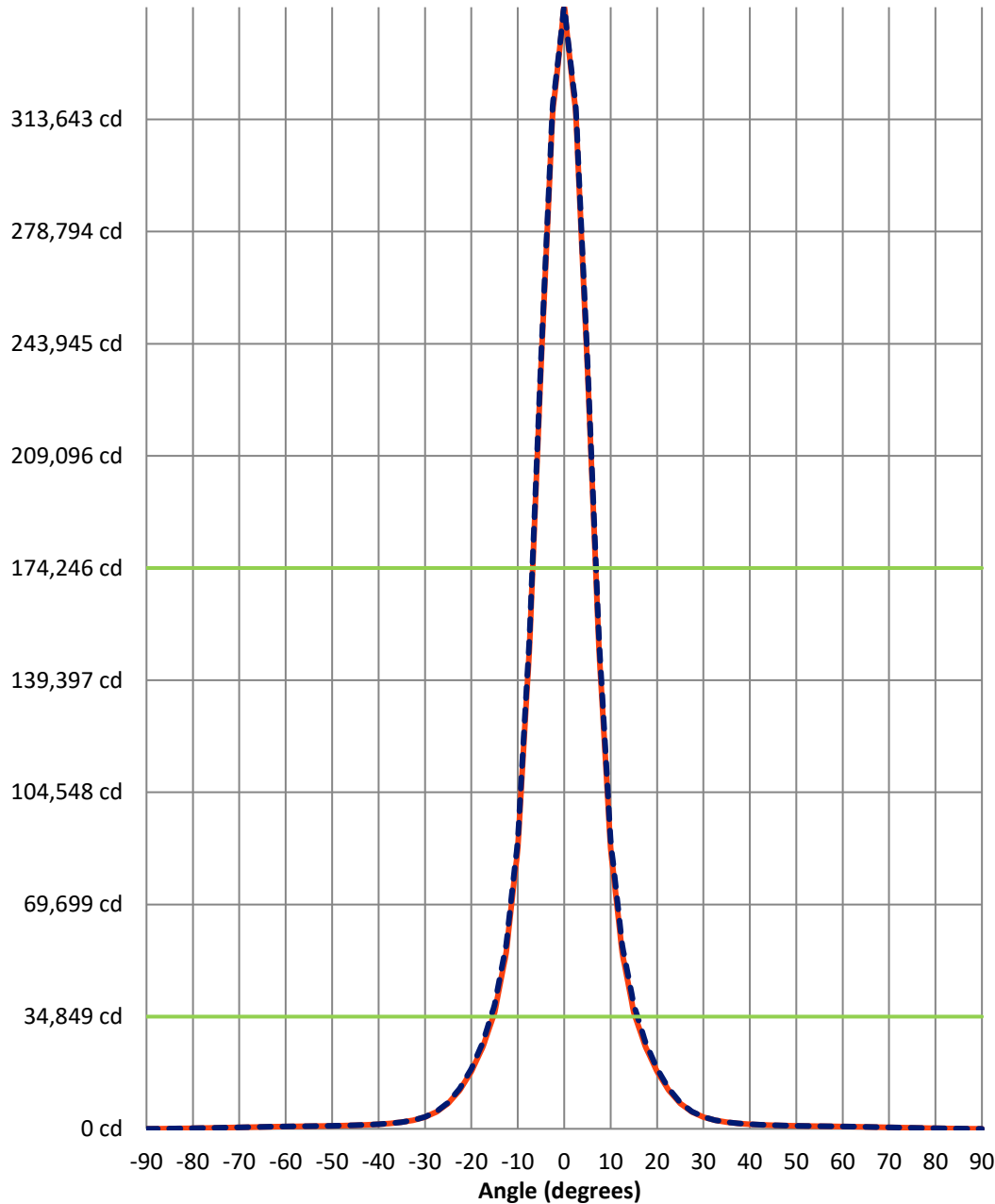


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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### Luminous Intensity Plot



**Beam:**  
H Angle: 13.7°  
V Angle: 13.6°  
Lumens: 10940.7  
Efficiency: 29.6%

**Field:**  
H Angle: 31.6°  
V Angle: 30.6°  
Lumens: 24621  
Efficiency: 66.5%

**Spill:**  
Lumens: 12383.8  
Efficiency: 33.5%

— 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	1.1	2.6	3.9	5.2	6.5	7.7	9.0	10.2	11.4	12.6
85°	0.0	2.3	5.2	7.8	10.4	12.9	15.5	18.0	20.4	22.9	25.2
82.5°	0.0	3.4	7.8	11.7	15.5	19.4	23.2	26.9	31.0	36.4	41.8
80°	0.0	4.5	10.3	15.5	20.7	25.8	31.3	38.7	46.1	53.4	60.5
77.5°	0.0	5.6	12.9	19.4	25.8	33.1	42.6	52.0	61.2	70.2	79.9
75°	0.0	6.7	15.3	23.2	31.1	42.0	53.7	65.1	76.3	89.0	101.4
72.5°	0.0	7.8	17.8	26.9	37.9	50.8	64.7	78.6	93.6	108.3	122.7
70°	0.0	8.9	20.1	30.8	44.6	59.5	75.7	93.6	110.6	127.4	146.3
67.5°	0.0	9.9	22.4	35.5	51.1	67.9	88.2	108.3	127.4	148.9	170.1
65°	0.0	10.9	24.7	40.1	57.5	77.2	100.4	122.7	146.3	170.1	195.1
62.5°	0.0	11.9	26.8	44.6	63.7	87.2	112.4	138.4	164.9	191.8	223.2
60°	0.0	12.8	28.9	49.0	69.7	96.9	124.1	154.3	183.0	215.9	250.4
57.5°	0.0	13.7	31.6	53.2	77.2	106.5	137.0	169.8	202.9	239.2	276.7
55°	0.0	14.6	34.2	57.3	84.6	115.7	149.8	184.7	222.6	261.7	302.1
52.5°	0.0	15.4	36.8	61.2	91.8	124.9	162.1	200.7	241.6	283.3	326.4
50°	0.0	16.2	39.3	64.9	98.7	134.8	174.0	216.4	259.7	304.0	349.7
47.5°	0.0	17.0	41.7	68.8	105.3	144.4	185.7	231.5	277.0	323.6	372.6
45°	0.0	17.7	44.0	73.6	111.7	153.5	198.2	246.1	293.7	343.7	394.9
42.5°	0.0	18.4	46.3	78.2	117.8	162.3	210.0	260.0	309.6	363.2	416.6
40°	0.0	19.0	48.5	82.7	124.0	170.6	221.4	273.2	325.3	382.1	437.8
37.5°	0.0	19.6	50.5	86.9	130.3	178.5	232.1	285.8	340.9	399.6	458.3
35°	0.0	20.1	52.5	91.0	136.3	186.6	242.2	297.6	355.4	416.2	478.0
32.5°	0.0	20.6	54.4	94.8	141.8	194.5	251.7	308.8	368.8	431.8	495.1
30°	0.0	21.0	56.2	98.4	147.0	201.8	260.5	319.2	381.0	446.2	510.7
27.5°	0.0	21.4	57.8	101.7	152.0	208.6	268.7	329.1	392.4	459.5	524.7
25°	0.0	21.7	59.4	104.7	156.6	214.7	276.2	338.1	403.0	471.2	537.1
22.5°	0.0	22.0	60.8	107.5	160.9	220.3	282.9	346.0	412.7	481.3	547.8
20°	0.0	22.3	62.1	110.0	164.7	225.1	288.9	353.0	421.2	490.0	557.5
17.5°	0.0	22.4	63.3	112.2	168.0	229.3	293.9	358.9	428.6	497.3	566.1
15°	0.0	22.6	64.3	114.1	171.0	232.6	298.0	364.2	434.9	503.3	573.6
12.5°	0.0	22.7	65.1	115.8	173.5	235.3	301.3	369.0	440.2	507.9	579.7
10°	0.0	22.7	65.9	117.1	175.5	237.3	303.8	373.1	444.2	512.8	585.7
7.5°	0.0	22.7	66.4	118.2	177.1	238.7	305.6	376.4	447.0	517.0	592.6
5°	0.0	22.6	66.9	118.9	178.3	239.4	306.5	378.8	448.5	520.1	598.1
2.5°	0.0	22.5	67.1	119.3	179.0	239.4	306.7	380.3	448.8	522.0	602.2
0°	0.0	22.4	67.2	119.5	179.2	238.9	306.1	380.8	448.0	522.7	604.8
-2.5°	0.0	22.5	67.1	119.3	179.0	239.4	306.7	380.3	448.8	522.0	602.2
-5°	0.0	22.6	66.9	118.9	178.3	239.4	306.5	378.8	448.5	520.1	598.1
-7.5°	0.0	22.7	66.4	118.2	177.1	238.7	305.6	376.4	447.0	517.0	592.6
-10°	0.0	22.7	65.9	117.1	175.5	237.3	303.8	373.1	444.2	512.8	585.7
-12.5°	0.0	22.7	65.1	115.8	173.5	235.3	301.3	369.0	440.2	507.9	579.7
-15°	0.0	22.6	64.3	114.1	171.0	232.6	298.0	364.2	434.9	503.3	573.6
-17.5°	0.0	22.4	63.3	112.2	168.0	229.3	293.9	358.9	428.6	497.3	566.1
-20°	0.0	22.3	62.1	110.0	164.7	225.1	288.9	353.0	421.2	490.0	557.5

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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	22.0	60.8	107.5	160.9	220.3	282.9	346.0	412.7	481.3	547.8
-25°	0.0	21.7	59.4	104.7	156.6	214.7	276.2	338.1	403.0	471.2	537.1
-27.5°	0.0	21.4	57.8	101.7	152.0	208.6	268.7	329.1	392.4	459.5	524.7
-30°	0.0	21.0	56.2	98.4	147.0	201.8	260.5	319.2	381.0	446.2	510.7
-32.5°	0.0	20.6	54.4	94.8	141.8	194.5	251.7	308.8	368.8	431.8	495.1
-35°	0.0	20.1	52.5	91.0	136.3	186.6	242.2	297.6	355.4	416.2	478.0
-37.5°	0.0	19.6	50.5	86.9	130.3	178.5	232.1	285.8	340.9	399.6	458.3
-40°	0.0	19.0	48.5	82.7	124.0	170.6	221.4	273.2	325.3	382.1	437.8
-42.5°	0.0	18.4	46.3	78.2	117.8	162.3	210.0	260.0	309.6	363.2	416.6
-45°	0.0	17.7	44.0	73.6	111.7	153.5	198.2	246.1	293.7	343.7	394.9
-47.5°	0.0	17.0	41.7	68.8	105.3	144.4	185.7	231.5	277.0	323.6	372.6
-50°	0.0	16.2	39.3	64.9	98.7	134.8	174.0	216.4	259.7	304.0	349.7
-52.5°	0.0	15.4	36.8	61.2	91.8	124.9	162.1	200.7	241.6	283.3	326.4
-55°	0.0	14.6	34.2	57.3	84.6	115.7	149.8	184.7	222.6	261.7	302.1
-57.5°	0.0	13.7	31.6	53.2	77.2	106.5	137.0	169.8	202.9	239.2	276.7
-60°	0.0	12.8	28.9	49.0	69.7	96.9	124.1	154.3	183.0	215.9	250.4
-62.5°	0.0	11.9	26.8	44.6	63.7	87.2	112.4	138.4	164.9	191.8	223.2
-65°	0.0	10.9	24.7	40.1	57.5	77.2	100.4	122.7	146.3	170.1	195.1
-67.5°	0.0	9.9	22.4	35.5	51.1	67.9	88.2	108.3	127.4	148.9	170.1
-70°	0.0	8.9	20.1	30.8	44.6	59.5	75.7	93.6	110.6	127.4	146.3
-72.5°	0.0	7.8	17.8	26.9	37.9	50.8	64.7	78.6	93.6	108.3	122.7
-75°	0.0	6.7	15.3	23.2	31.1	42.0	53.7	65.1	76.3	89.0	101.4
-77.5°	0.0	5.6	12.9	19.4	25.8	33.1	42.6	52.0	61.2	70.2	79.9
-80°	0.0	4.5	10.3	15.5	20.7	25.8	31.3	38.7	46.1	53.4	60.5
-82.5°	0.0	3.4	7.8	11.7	15.5	19.4	23.2	26.9	31.0	36.4	41.8
-85°	0.0	2.3	5.2	7.8	10.4	12.9	15.5	18.0	20.4	22.9	25.2
-87.5°	0.0	1.1	2.6	3.9	5.2	6.5	7.7	9.0	10.2	11.4	12.6
-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°	13.8	14.9	16.1	17.1	18.2	19.2	20.2	21.1	22.0	22.9	23.7
85°	27.6	29.9	33.2	36.4	39.2	41.6	43.6	45.4	48.4	51.7	55.0
82.5°	47.0	52.2	57.2	62.0	65.4	68.0	70.6	74.4	81.0	87.4	93.1
80°	67.5	74.4	82.1	89.7	96.1	102.6	109.4	116.3	123.5	130.4	136.9
77.5°	90.1	100.0	109.7	119.2	128.6	138.8	148.6	158.1	167.1	175.8	184.0
75°	113.6	125.6	138.7	151.7	164.3	176.6	188.6	201.4	213.6	225.3	236.4
72.5°	138.4	154.3	169.9	185.1	201.4	217.5	233.0	247.9	262.4	277.7	293.7
70°	164.9	183.0	203.3	222.6	240.9	260.1	279.2	295.7	311.4	332.3	353.8
67.5°	192.0	216.5	239.3	261.2	285.6	308.2	327.7	348.6	371.0	395.2	416.4
65°	224.0	250.6	277.2	304.8	333.0	356.5	380.9	406.9	432.2	456.3	479.3
62.5°	255.5	285.6	316.2	346.4	375.3	403.5	432.9	461.8	489.6	517.7	542.5
60°	285.9	320.1	352.4	383.9	416.7	451.7	484.3	516.3	549.7	581.5	598.1
57.5°	315.3	351.9	385.6	421.0	459.4	498.9	533.2	569.5	598.1	620.2	641.7
55°	343.0	380.9	417.9	457.6	499.5	540.5	578.7	611.0	637.4	657.7	680.4
52.5°	368.8	408.9	449.1	492.5	536.9	580.7	620.7	650.9	674.7	695.4	716.8
50°	394.2	436.3	478.8	526.4	574.0	620.5	659.7	687.4	709.8	731.1	753.1
47.5°	419.2	463.3	509.1	559.9	611.4	656.3	693.5	718.8	741.4	766.4	790.5
45°	443.7	491.5	540.0	594.4	646.2	689.6	721.1	746.5	774.4	801.3	827.2
42.5°	467.6	519.2	571.7	628.2	678.2	717.3	746.7	776.7	806.8	835.5	864.6
40°	491.8	545.7	601.4	657.6	708.0	741.7	772.8	805.1	838.4	869.5	901.8
37.5°	514.9	570.8	628.2	685.0	730.7	764.8	797.2	832.9	867.9	901.8	943.9
35°	536.9	593.5	651.4	706.4	750.4	785.7	821.9	859.5	896.1	940.1	988.1
32.5°	556.5	614.0	672.7	723.8	766.9	805.1	845.7	884.8	928.9	978.7	1036.3
30°	573.1	631.9	690.8	740.7	782.9	823.2	867.2	910.4	962.0	1021.9	1090.3
27.5°	587.6	647.9	705.2	755.2	798.0	838.2	884.5	939.1	998.3	1065.5	1145.8
25°	601.2	664.2	718.8	768.5	810.2	852.1	901.7	962.0	1033.3	1114.2	1212.6
22.5°	614.0	679.8	732.6	781.0	819.6	865.0	920.8	986.5	1064.0	1158.7	1278.5
20°	626.3	691.4	743.7	790.9	826.8	876.2	937.7	1007.8	1095.8	1208.9	1347.4
17.5°	637.6	701.4	752.3	796.7	836.1	888.1	952.6	1025.2	1123.5	1254.4	1410.7
15°	647.9	709.7	759.3	801.5	844.4	900.6	968.1	1046.8	1154.1	1297.8	1466.8
12.5°	656.9	716.5	764.6	805.2	851.1	910.8	981.9	1069.2	1187.1	1340.5	1537.9
10°	664.7	721.7	768.3	807.7	856.1	918.7	993.3	1087.5	1213.4	1373.6	1592.6
7.5°	671.3	725.8	770.9	809.1	859.3	924.1	1002.3	1101.4	1231.8	1397.0	1632.1
5°	675.9	729.1	774.0	813.7	864.4	928.5	1008.8	1110.9	1242.5	1411.0	1656.6
2.5°	678.6	731.0	775.9	818.1	869.9	932.2	1013.8	1121.3	1251.3	1424.6	1675.4
0°	679.5	731.7	776.5	821.3	873.6	933.3	1015.4	1127.4	1254.4	1433.6	1687.4
-2.5°	678.6	731.0	775.9	818.1	869.9	932.2	1013.8	1121.3	1251.3	1424.6	1675.4
-5°	675.9	729.1	774.0	813.7	864.4	928.5	1008.8	1110.9	1242.5	1411.0	1656.6
-7.5°	671.3	725.8	770.9	809.1	859.3	924.1	1002.3	1101.4	1231.8	1397.0	1632.1
-10°	664.7	721.7	768.3	807.7	856.1	918.7	993.3	1087.5	1213.4	1373.6	1592.6
-12.5°	656.9	716.5	764.6	805.2	851.1	910.8	981.9	1069.2	1187.1	1340.5	1537.9
-15°	647.9	709.7	759.3	801.5	844.4	900.6	968.1	1046.8	1154.1	1297.8	1466.8
-17.5°	637.6	701.4	752.3	796.7	836.1	888.1	952.6	1025.2	1123.5	1254.4	1410.7
-20°	626.3	691.4	743.7	790.9	826.8	876.2	937.7	1007.8	1095.8	1208.9	1347.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	614.0	679.8	732.6	781.0	819.6	865.0	920.8	986.5	1064.0	1158.7	1278.5
-25°	601.2	664.2	718.8	768.5	810.2	852.1	901.7	962.0	1033.3	1114.2	1212.6
-27.5°	587.6	647.9	705.2	755.2	798.0	838.2	884.5	939.1	998.3	1065.5	1145.8
-30°	573.1	631.9	690.8	740.7	782.9	823.2	867.2	910.4	962.0	1021.9	1090.3
-32.5°	556.5	614.0	672.7	723.8	766.9	805.1	845.7	884.8	928.9	978.7	1036.3
-35°	536.9	593.5	651.4	706.4	750.4	785.7	821.9	859.5	896.1	940.1	988.1
-37.5°	514.9	570.8	628.2	685.0	730.7	764.8	797.2	832.9	867.9	901.8	943.9
-40°	491.8	545.7	601.4	657.6	708.0	741.7	772.8	805.1	838.4	869.5	901.8
-42.5°	467.6	519.2	571.7	628.2	678.2	717.3	746.7	776.7	806.8	835.5	864.6
-45°	443.7	491.5	540.0	594.4	646.2	689.6	721.1	746.5	774.4	801.3	827.2
-47.5°	419.2	463.3	509.1	559.9	611.4	656.3	693.5	718.8	741.4	766.4	790.5
-50°	394.2	436.3	478.8	526.4	574.0	620.5	659.7	687.4	709.8	731.1	753.1
-52.5°	368.8	408.9	449.1	492.5	536.9	580.7	620.7	650.9	674.7	695.4	716.8
-55°	343.0	380.9	417.9	457.6	499.5	540.5	578.7	611.0	637.4	657.7	680.4
-57.5°	315.3	351.9	385.6	421.0	459.4	498.9	533.2	569.5	598.1	620.2	641.7
-60°	285.9	320.1	352.4	383.9	416.7	451.7	484.3	516.3	549.7	581.5	598.1
-62.5°	255.5	285.6	316.2	346.4	375.3	403.5	432.9	461.8	489.6	517.7	542.5
-65°	224.0	250.6	277.2	304.8	333.0	356.5	380.9	406.9	432.2	456.3	479.3
-67.5°	192.0	216.5	239.3	261.2	285.6	308.2	327.7	348.6	371.0	395.2	416.4
-70°	164.9	183.0	203.3	222.6	240.9	260.1	279.2	295.7	311.4	332.3	353.8
-72.5°	138.4	154.3	169.9	185.1	201.4	217.5	233.0	247.9	262.4	277.7	293.7
-75°	113.6	125.6	138.7	151.7	164.3	176.6	188.6	201.4	213.6	225.3	236.4
-77.5°	90.1	100.0	109.7	119.2	128.6	138.8	148.6	158.1	167.1	175.8	184.0
-80°	67.5	74.4	82.1	89.7	96.1	102.6	109.4	116.3	123.5	130.4	136.9
-82.5°	47.0	52.2	57.2	62.0	65.4	68.0	70.6	74.4	81.0	87.4	93.1
-85°	27.6	29.9	33.2	36.4	39.2	41.6	43.6	45.4	48.4	51.7	55.0
-87.5°	13.8	14.9	16.1	17.1	18.2	19.2	20.2	21.1	22.0	22.9	23.7
-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: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-NR-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°	24.5	25.2	25.9	26.5	27.1	27.6	28.1	28.5	28.9	27.4	25.8
85°	58.4	60.6	62.7	64.6	66.3	67.9	69.3	70.5	71.6	70.7	69.6
82.5°	98.4	102.3	105.8	109.1	112.2	114.9	117.4	119.6	121.5	121.4	120.9
80°	143.1	149.5	156.0	162.3	168.5	172.3	175.1	177.2	178.6	179.2	179.4
77.5°	192.4	202.3	212.6	222.8	232.7	238.5	242.5	245.9	248.7	249.2	248.7
75°	246.9	259.7	273.8	286.1	296.8	303.3	307.9	311.7	314.8	315.6	315.3
72.5°	310.4	326.1	338.7	349.1	358.2	365.2	370.9	375.7	379.7	381.4	381.6
70°	372.7	388.3	400.3	410.9	419.7	427.0	433.9	439.7	444.5	448.1	450.7
67.5°	435.9	453.7	466.0	475.6	483.2	490.8	499.9	507.8	514.4	518.8	521.0
65°	500.8	519.2	531.1	541.6	550.8	560.5	570.6	578.0	582.9	586.0	588.0
62.5°	563.6	580.8	595.7	609.6	622.9	634.0	641.0	647.2	652.5	657.0	660.4
60°	617.6	639.4	656.2	669.5	682.5	695.1	703.6	710.4	715.7	719.6	722.0
57.5°	663.6	685.9	705.7	718.6	732.7	747.7	757.6	763.3	768.6	773.1	775.2
55°	703.9	724.5	742.7	760.3	776.2	789.7	800.2	807.9	814.3	819.5	821.1
52.5°	740.1	762.5	783.9	802.6	818.2	831.1	841.5	851.0	858.3	863.3	865.5
50°	778.2	802.2	825.1	845.7	861.6	876.2	889.2	900.4	911.1	919.6	925.7
47.5°	815.6	841.3	866.5	889.1	908.3	929.3	948.2	964.2	979.8	992.5	1001.2
45°	853.3	882.9	910.4	939.5	965.5	993.1	1018.8	1040.8	1063.5	1080.6	1092.1
42.5°	895.2	928.9	962.0	998.3	1033.7	1069.6	1108.4	1143.0	1169.7	1194.8	1215.1
40°	940.1	978.7	1021.9	1066.4	1118.6	1166.0	1218.1	1262.9	1303.3	1346.1	1380.1
37.5°	988.1	1036.3	1093.0	1152.5	1220.0	1284.9	1352.9	1419.8	1478.2	1547.1	1599.6
35°	1041.1	1105.4	1175.2	1255.7	1339.7	1432.7	1525.8	1633.4	1725.9	1827.8	1916.5
32.5°	1103.8	1180.5	1272.2	1378.3	1486.4	1627.3	1759.1	1930.3	2078.3	2239.9	2402.7
30°	1168.3	1268.6	1386.9	1520.6	1692.4	1886.2	2102.3	2357.0	2619.6	2873.7	3180.2
27.5°	1248.2	1369.3	1512.5	1707.8	1960.6	2222.6	2594.2	2976.6	3459.2	3858.5	4421.4
25°	1331.3	1473.7	1677.2	1942.9	2272.9	2727.6	3291.4	3902.4	4751.7	5497.9	6373.0
22.5°	1421.6	1614.0	1867.2	2195.1	2695.5	3393.4	4247.1	5397.4	6650.2	7980.1	9303.1
20°	1515.8	1748.5	2080.4	2555.7	3242.2	4187.5	5653.0	7428.9	9218.6	11413.1	13356.3
17.5°	1624.8	1921.0	2330.1	2924.4	3840.6	5288.5	7321.6	9800.9	12577.3	15732.7	18534.1
15°	1715.6	2068.8	2585.2	3416.6	4676.7	6536.2	9100.0	12510.7	16683.0	20920.7	25220.0
12.5°	1821.2	2229.7	2836.0	3827.5	5410.1	7881.3	11371.2	15688.2	20898.8	26776.7	33705.8
10°	1914.8	2387.6	3141.3	4368.6	6302.7	9284.2	13519.6	18713.2	25437.6	33894.4	44624.8
7.5°	1984.2	2513.2	3377.1	4780.4	7074.3	10633.0	15549.5	22025.9	30570.3	41737.5	56464.1
5°	2029.2	2604.2	3543.8	5098.1	7678.3	11636.8	17037.1	24375.4	34683.6	50477.8	75415.4
2.5°	2056.2	2658.0	3638.9	5284.5	8045.6	12301.9	18168.9	26152.0	37349.4	55879.3	87604.5
0°	2068.2	2673.0	3695.9	5383.4	8168.4	12558.7	18688.7	26961.6	38542.2	57141.3	89747.6
-2.5°	2056.2	2658.0	3638.9	5284.5	8045.6	12301.9	18168.9	26152.0	37349.4	55879.3	87604.5
-5°	2029.2	2604.2	3543.8	5098.1	7678.3	11636.8	17037.1	24375.4	34683.6	50477.8	75415.4
-7.5°	1984.2	2513.2	3377.1	4780.4	7074.3	10633.0	15549.5	22025.9	30570.3	41737.5	56464.1
-10°	1914.8	2387.6	3141.3	4368.6	6302.7	9284.2	13519.6	18713.2	25437.6	33894.4	44624.8
-12.5°	1821.2	2229.7	2836.0	3827.5	5410.1	7881.3	11371.2	15688.2	20898.8	26776.7	33705.8
-15°	1715.6	2068.8	2585.2	3416.6	4676.7	6536.2	9100.0	12510.7	16683.0	20920.7	25220.0
-17.5°	1624.8	1921.0	2330.1	2924.4	3840.6	5288.5	7321.6	9800.9	12577.3	15732.7	18534.1
-20°	1515.8	1748.5	2080.4	2555.7	3242.2	4187.5	5653.0	7428.9	9218.6	11413.1	13356.3



REPORT NUMBER: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1421.6	1614.0	1867.2	2195.1	2695.5	3393.4	4247.1	5397.4	6650.2	7980.1	9303.1
-25°	1331.3	1473.7	1677.2	1942.9	2272.9	2727.6	3291.4	3902.4	4751.7	5497.9	6373.0
-27.5°	1248.2	1369.3	1512.5	1707.8	1960.6	2222.6	2594.2	2976.6	3459.2	3858.5	4421.4
-30°	1168.3	1268.6	1386.9	1520.6	1692.4	1886.2	2102.3	2357.0	2619.6	2873.7	3180.2
-32.5°	1103.8	1180.5	1272.2	1378.3	1486.4	1627.3	1759.1	1930.3	2078.3	2239.9	2402.7
-35°	1041.1	1105.4	1175.2	1255.7	1339.7	1432.7	1525.8	1633.4	1725.9	1827.8	1916.5
-37.5°	988.1	1036.3	1093.0	1152.5	1220.0	1284.9	1352.9	1419.8	1478.2	1547.1	1599.6
-40°	940.1	978.7	1021.9	1066.4	1118.6	1166.0	1218.1	1262.9	1303.3	1346.1	1380.1
-42.5°	895.2	928.9	962.0	998.3	1033.7	1069.6	1108.4	1143.0	1169.7	1194.8	1215.1
-45°	853.3	882.9	910.4	939.5	965.5	993.1	1018.8	1040.8	1063.5	1080.6	1092.1
-47.5°	815.6	841.3	866.5	889.1	908.3	929.3	948.2	964.2	979.8	992.5	1001.2
-50°	778.2	802.2	825.1	845.7	861.6	876.2	889.2	900.4	911.1	919.6	925.7
-52.5°	740.1	762.5	783.9	802.6	818.2	831.1	841.5	851.0	858.3	863.3	865.5
-55°	703.9	724.5	742.7	760.3	776.2	789.7	800.2	807.9	814.3	819.5	821.1
-57.5°	663.6	685.9	705.7	718.6	732.7	747.7	757.6	763.3	768.6	773.1	775.2
-60°	617.6	639.4	656.2	669.5	682.5	695.1	703.6	710.4	715.7	719.6	722.0
-62.5°	563.6	580.8	595.7	609.6	622.9	634.0	641.0	647.2	652.5	657.0	660.4
-65°	500.8	519.2	531.1	541.6	550.8	560.5	570.6	578.0	582.9	586.0	588.0
-67.5°	435.9	453.7	466.0	475.6	483.2	490.8	499.9	507.8	514.4	518.8	521.0
-70°	372.7	388.3	400.3	410.9	419.7	427.0	433.9	439.7	444.5	448.1	450.7
-72.5°	310.4	326.1	338.7	349.1	358.2	365.2	370.9	375.7	379.7	381.4	381.6
-75°	246.9	259.7	273.8	286.1	296.8	303.3	307.9	311.7	314.8	315.6	315.3
-77.5°	192.4	202.3	212.6	222.8	232.7	238.5	242.5	245.9	248.7	249.2	248.7
-80°	143.1	149.5	156.0	162.3	168.5	172.3	175.1	177.2	178.6	179.2	179.4
-82.5°	98.4	102.3	105.8	109.1	112.2	114.9	117.4	119.6	121.5	121.4	120.9
-85°	58.4	60.6	62.7	64.6	66.3	67.9	69.3	70.5	71.6	70.7	69.6
-87.5°	24.5	25.2	25.9	26.5	27.1	27.6	28.1	28.5	28.9	27.4	25.8
-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: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-NR-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°	24.1	22.3	22.4	22.4	22.4	22.3	24.1	25.8	27.4	28.9	28.5
85°	68.3	66.9	67.1	67.2	67.1	66.9	68.3	69.6	70.7	71.6	70.5
82.5°	120.0	118.9	119.3	119.5	119.3	118.9	120.0	120.9	121.4	121.5	119.6
80°	179.1	178.3	175.3	171.7	175.3	178.3	179.1	179.4	179.2	178.6	177.2
77.5°	247.4	245.3	242.4	238.9	242.4	245.3	247.4	248.7	249.2	248.7	245.9
75°	314.2	312.3	313.2	313.6	313.2	312.3	314.2	315.3	315.6	314.8	311.7
72.5°	380.9	379.3	380.3	380.8	380.3	379.3	380.9	381.6	381.4	379.7	375.7
70°	452.5	453.4	451.4	448.0	451.4	453.4	452.5	450.7	448.1	444.5	439.7
67.5°	521.7	520.9	518.7	515.2	518.7	520.9	521.7	521.0	518.8	514.4	507.8
65°	588.6	587.9	589.2	589.9	589.2	587.9	588.6	588.0	586.0	582.9	578.0
62.5°	662.1	662.1	660.5	657.1	660.5	662.1	662.1	660.4	657.0	652.5	647.2
60°	723.0	722.4	720.4	716.8	720.4	722.4	723.0	722.0	719.6	715.7	710.4
57.5°	775.8	775.0	772.8	769.1	772.8	775.0	775.8	775.2	773.1	768.6	763.3
55°	821.4	820.2	817.7	813.9	817.7	820.2	821.4	821.1	819.5	814.3	807.9
52.5°	866.0	865.0	865.3	866.1	865.3	865.0	866.0	865.5	863.3	858.3	851.0
50°	929.4	930.6	929.5	925.8	929.5	930.6	929.4	925.7	919.6	911.1	900.4
47.5°	1005.4	1005.9	1004.1	1000.5	1004.1	1005.9	1005.4	1001.2	992.5	979.8	964.2
45°	1101.2	1106.6	1108.0	1105.0	1108.0	1106.6	1101.2	1092.1	1080.6	1063.5	1040.8
42.5°	1230.8	1239.3	1241.7	1239.4	1241.7	1239.3	1230.8	1215.1	1194.8	1169.7	1143.0
40°	1401.0	1410.7	1412.5	1411.2	1412.5	1410.7	1401.0	1380.1	1346.1	1303.3	1262.9
37.5°	1636.5	1660.1	1671.2	1672.5	1671.2	1660.1	1636.5	1599.6	1547.1	1478.2	1419.8
35°	1984.1	2031.0	2056.1	2068.2	2056.1	2031.0	1984.1	1916.5	1827.8	1725.9	1633.4
32.5°	2526.0	2619.9	2671.9	2665.5	2671.9	2619.9	2526.0	2402.7	2239.9	2078.3	1930.3
30°	3411.2	3575.4	3658.0	3636.2	3658.0	3575.4	3411.2	3180.2	2873.7	2619.6	2357.0
27.5°	4825.7	5122.5	5294.0	5271.4	5294.0	5122.5	4825.7	4421.4	3858.5	3459.2	2976.6
25°	7104.6	7646.2	7992.9	7907.1	7992.9	7646.2	7104.6	6373.0	5497.9	4751.7	3902.4
22.5°	10571.4	11488.8	12096.0	12021.1	12096.0	11488.8	10571.4	9303.1	7980.1	6650.2	5397.4
20°	15326.8	16723.2	17720.3	17852.5	17720.3	16723.2	15326.8	13356.3	11413.1	9218.6	7428.9
17.5°	21560.2	23774.4	25315.6	25572.9	25315.6	23774.4	21560.2	18534.1	15732.7	12577.3	9800.9
15°	29661.5	33280.4	35899.4	36115.6	35899.4	33280.4	29661.5	25220.0	20920.7	16683.0	12510.7
12.5°	40661.7	47940.3	52690.6	54781.9	52690.6	47940.3	40661.7	33705.8	26776.7	20898.8	15688.2
10°	55885.5	72604.0	83310.9	87336.0	83310.9	72604.0	55885.5	44624.8	33894.4	25437.6	18713.2
7.5°	81313.7	107562.3	136743.9	149181.2	136743.9	107562.3	81313.7	56464.1	41737.5	30570.3	22025.9
5°	110109.3	164585.6	216402.3	236636.6	216402.3	164585.6	110109.3	75415.4	50477.8	34683.6	24375.4
2.5°	140409.6	216341.7	287495.8	315322.6	287495.8	216341.7	140409.6	87604.5	55879.3	37349.4	26152.0
0°	152242.5	239003.5	317290.1	348492.7	317290.1	239003.5	152242.5	89747.6	57141.3	38542.2	26961.6
-2.5°	140409.6	216341.7	287495.8	315322.6	287495.8	216341.7	140409.6	87604.5	55879.3	37349.4	26152.0
-5°	110109.3	164585.6	216402.3	236636.6	216402.3	164585.6	110109.3	75415.4	50477.8	34683.6	24375.4
-7.5°	81313.7	107562.3	136743.9	149181.2	136743.9	107562.3	81313.7	56464.1	41737.5	30570.3	22025.9
-10°	55885.5	72604.0	83310.9	87336.0	83310.9	72604.0	55885.5	44624.8	33894.4	25437.6	18713.2
-12.5°	40661.7	47940.3	52690.6	54781.9	52690.6	47940.3	40661.7	33705.8	26776.7	20898.8	15688.2
-15°	29661.5	33280.4	35899.4	36115.6	35899.4	33280.4	29661.5	25220.0	20920.7	16683.0	12510.7
-17.5°	21560.2	23774.4	25315.6	25572.9	25315.6	23774.4	21560.2	18534.1	15732.7	12577.3	9800.9
-20°	15326.8	16723.2	17720.3	17852.5	17720.3	16723.2	15326.8	13356.3	11413.1	9218.6	7428.9



REPORT NUMBER: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10571.4	11488.8	12096.0	12021.1	12096.0	11488.8	10571.4	9303.1	7980.1	6650.2	5397.4
-25°	7104.6	7646.2	7992.9	7907.1	7992.9	7646.2	7104.6	6373.0	5497.9	4751.7	3902.4
-27.5°	4825.7	5122.5	5294.0	5271.4	5294.0	5122.5	4825.7	4421.4	3858.5	3459.2	2976.6
-30°	3411.2	3575.4	3658.0	3636.2	3658.0	3575.4	3411.2	3180.2	2873.7	2619.6	2357.0
-32.5°	2526.0	2619.9	2671.9	2665.5	2671.9	2619.9	2526.0	2402.7	2239.9	2078.3	1930.3
-35°	1984.1	2031.0	2056.1	2068.2	2056.1	2031.0	1984.1	1916.5	1827.8	1725.9	1633.4
-37.5°	1636.5	1660.1	1671.2	1672.5	1671.2	1660.1	1636.5	1599.6	1547.1	1478.2	1419.8
-40°	1401.0	1410.7	1412.5	1411.2	1412.5	1410.7	1401.0	1380.1	1346.1	1303.3	1262.9
-42.5°	1230.8	1239.3	1241.7	1239.4	1241.7	1239.3	1230.8	1215.1	1194.8	1169.7	1143.0
-45°	1101.2	1106.6	1108.0	1105.0	1108.0	1106.6	1101.2	1092.1	1080.6	1063.5	1040.8
-47.5°	1005.4	1005.9	1004.1	1000.5	1004.1	1005.9	1005.4	1001.2	992.5	979.8	964.2
-50°	929.4	930.6	929.5	925.8	929.5	930.6	929.4	925.7	919.6	911.1	900.4
-52.5°	866.0	865.0	865.3	866.1	865.3	865.0	866.0	865.5	863.3	858.3	851.0
-55°	821.4	820.2	817.7	813.9	817.7	820.2	821.4	821.1	819.5	814.3	807.9
-57.5°	775.8	775.0	772.8	769.1	772.8	775.0	775.8	775.2	773.1	768.6	763.3
-60°	723.0	722.4	720.4	716.8	720.4	722.4	723.0	722.0	719.6	715.7	710.4
-62.5°	662.1	662.1	660.5	657.1	660.5	662.1	662.1	660.4	657.0	652.5	647.2
-65°	588.6	587.9	589.2	589.9	589.2	587.9	588.6	588.0	586.0	582.9	578.0
-67.5°	521.7	520.9	518.7	515.2	518.7	520.9	521.7	521.0	518.8	514.4	507.8
-70°	452.5	453.4	451.4	448.0	451.4	453.4	452.5	450.7	448.1	444.5	439.7
-72.5°	380.9	379.3	380.3	380.8	380.3	379.3	380.9	381.6	381.4	379.7	375.7
-75°	314.2	312.3	313.2	313.6	313.2	312.3	314.2	315.3	315.6	314.8	311.7
-77.5°	247.4	245.3	242.4	238.9	242.4	245.3	247.4	248.7	249.2	248.7	245.9
-80°	179.1	178.3	175.3	171.7	175.3	178.3	179.1	179.4	179.2	178.6	177.2
-82.5°	120.0	118.9	119.3	119.5	119.3	118.9	120.0	120.9	121.4	121.5	119.6
-85°	68.3	66.9	67.1	67.2	67.1	66.9	68.3	69.6	70.7	71.6	70.5
-87.5°	24.1	22.3	22.4	22.4	22.4	22.3	24.1	25.8	27.4	28.9	28.5
-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: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-NR-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°	28.1	27.6	27.1	26.5	25.9	25.2	24.5	23.7	22.9	22.0	21.1
85°	69.3	67.9	66.3	64.6	62.7	60.6	58.4	55.0	51.7	48.4	45.4
82.5°	117.4	114.9	112.2	109.1	105.8	102.3	98.4	93.1	87.4	81.0	74.4
80°	175.1	172.3	168.5	162.3	156.0	149.5	143.1	136.9	130.4	123.5	116.3
77.5°	242.5	238.5	232.7	222.8	212.6	202.3	192.4	184.0	175.8	167.1	158.1
75°	307.9	303.3	296.8	286.1	273.8	259.7	246.9	236.4	225.3	213.6	201.4
72.5°	370.9	365.2	358.2	349.1	338.7	326.1	310.4	293.7	277.7	262.4	247.9
70°	433.9	427.0	419.7	410.9	400.3	388.3	372.7	353.8	332.3	311.4	295.7
67.5°	499.9	490.8	483.2	475.6	466.0	453.7	435.9	416.4	395.2	371.0	348.6
65°	570.6	560.5	550.8	541.6	531.1	519.2	500.8	479.3	456.3	432.2	406.9
62.5°	641.0	634.0	622.9	609.6	595.7	580.8	563.6	542.5	517.7	489.6	461.8
60°	703.6	695.1	682.5	669.5	656.2	639.4	617.6	598.1	581.5	549.7	516.3
57.5°	757.6	747.7	732.7	718.6	705.7	685.9	663.6	641.7	620.2	598.1	569.5
55°	800.2	789.7	776.2	760.3	742.7	724.5	703.9	680.4	657.7	637.4	611.0
52.5°	841.5	831.1	818.2	802.6	783.9	762.5	740.1	716.8	695.4	674.7	650.9
50°	889.2	876.2	861.6	845.7	825.1	802.2	778.2	753.1	731.1	709.8	687.4
47.5°	948.2	929.3	908.3	889.1	866.5	841.3	815.6	790.5	766.4	741.4	718.8
45°	1018.8	993.1	965.5	939.5	910.4	882.9	853.3	827.2	801.3	774.4	746.5
42.5°	1108.4	1069.6	1033.7	998.3	962.0	928.9	895.2	864.6	835.5	806.8	776.7
40°	1218.1	1166.0	1118.6	1066.4	1021.9	978.7	940.1	901.8	869.5	838.4	805.1
37.5°	1352.9	1284.9	1220.0	1152.5	1093.0	1036.3	988.1	943.9	901.8	867.9	832.9
35°	1525.8	1432.7	1339.7	1255.7	1175.2	1105.4	1041.1	988.1	940.1	896.1	859.5
32.5°	1759.1	1627.3	1486.4	1378.3	1272.2	1180.5	1103.8	1036.3	978.7	928.9	884.8
30°	2102.3	1886.2	1692.4	1520.6	1386.9	1268.6	1168.3	1090.3	1021.9	962.0	910.4
27.5°	2594.2	2222.6	1960.6	1707.8	1512.5	1369.3	1248.2	1145.8	1065.5	998.3	939.1
25°	3291.4	2727.6	2272.9	1942.9	1677.2	1473.7	1331.3	1212.6	1114.2	1033.3	962.0
22.5°	4247.1	3393.4	2695.5	2195.1	1867.2	1614.0	1421.6	1278.5	1158.7	1064.0	986.5
20°	5653.0	4187.5	3242.2	2555.7	2080.4	1748.5	1515.8	1347.4	1208.9	1095.8	1007.8
17.5°	7321.6	5288.5	3840.6	2924.4	2330.1	1921.0	1624.8	1410.7	1254.4	1123.5	1025.2
15°	9100.0	6536.2	4676.7	3416.6	2585.2	2068.8	1715.6	1466.8	1297.8	1154.1	1046.8
12.5°	11371.2	7881.3	5410.1	3827.5	2836.0	2229.7	1821.2	1537.9	1340.5	1187.1	1069.2
10°	13519.6	9284.2	6302.7	4368.6	3141.3	2387.6	1914.8	1592.6	1373.6	1213.4	1087.5
7.5°	15549.5	10633.0	7074.3	4780.4	3377.1	2513.2	1984.2	1632.1	1397.0	1231.8	1101.4
5°	17037.1	11636.8	7678.3	5098.1	3543.8	2604.2	2029.2	1656.6	1411.0	1242.5	1110.9
2.5°	18168.9	12301.9	8045.6	5284.5	3638.9	2658.0	2056.2	1675.4	1424.6	1251.3	1121.3
0°	18688.7	12558.7	8168.4	5383.4	3695.9	2673.0	2068.2	1687.4	1433.6	1254.4	1127.4
-2.5°	18168.9	12301.9	8045.6	5284.5	3638.9	2658.0	2056.2	1675.4	1424.6	1251.3	1121.3
-5°	17037.1	11636.8	7678.3	5098.1	3543.8	2604.2	2029.2	1656.6	1411.0	1242.5	1110.9
-7.5°	15549.5	10633.0	7074.3	4780.4	3377.1	2513.2	1984.2	1632.1	1397.0	1231.8	1101.4
-10°	13519.6	9284.2	6302.7	4368.6	3141.3	2387.6	1914.8	1592.6	1373.6	1213.4	1087.5
-12.5°	11371.2	7881.3	5410.1	3827.5	2836.0	2229.7	1821.2	1537.9	1340.5	1187.1	1069.2
-15°	9100.0	6536.2	4676.7	3416.6	2585.2	2068.8	1715.6	1466.8	1297.8	1154.1	1046.8
-17.5°	7321.6	5288.5	3840.6	2924.4	2330.1	1921.0	1624.8	1410.7	1254.4	1123.5	1025.2
-20°	5653.0	4187.5	3242.2	2555.7	2080.4	1748.5	1515.8	1347.4	1208.9	1095.8	1007.8





REPORT NUMBER: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4247.1	3393.4	2695.5	2195.1	1867.2	1614.0	1421.6	1278.5	1158.7	1064.0	986.5
-25°	3291.4	2727.6	2272.9	1942.9	1677.2	1473.7	1331.3	1212.6	1114.2	1033.3	962.0
-27.5°	2594.2	2222.6	1960.6	1707.8	1512.5	1369.3	1248.2	1145.8	1065.5	998.3	939.1
-30°	2102.3	1886.2	1692.4	1520.6	1386.9	1268.6	1168.3	1090.3	1021.9	962.0	910.4
-32.5°	1759.1	1627.3	1486.4	1378.3	1272.2	1180.5	1103.8	1036.3	978.7	928.9	884.8
-35°	1525.8	1432.7	1339.7	1255.7	1175.2	1105.4	1041.1	988.1	940.1	896.1	859.5
-37.5°	1352.9	1284.9	1220.0	1152.5	1093.0	1036.3	988.1	943.9	901.8	867.9	832.9
-40°	1218.1	1166.0	1118.6	1066.4	1021.9	978.7	940.1	901.8	869.5	838.4	805.1
-42.5°	1108.4	1069.6	1033.7	998.3	962.0	928.9	895.2	864.6	835.5	806.8	776.7
-45°	1018.8	993.1	965.5	939.5	910.4	882.9	853.3	827.2	801.3	774.4	746.5
-47.5°	948.2	929.3	908.3	889.1	866.5	841.3	815.6	790.5	766.4	741.4	718.8
-50°	889.2	876.2	861.6	845.7	825.1	802.2	778.2	753.1	731.1	709.8	687.4
-52.5°	841.5	831.1	818.2	802.6	783.9	762.5	740.1	716.8	695.4	674.7	650.9
-55°	800.2	789.7	776.2	760.3	742.7	724.5	703.9	680.4	657.7	637.4	611.0
-57.5°	757.6	747.7	732.7	718.6	705.7	685.9	663.6	641.7	620.2	598.1	569.5
-60°	703.6	695.1	682.5	669.5	656.2	639.4	617.6	598.1	581.5	549.7	516.3
-62.5°	641.0	634.0	622.9	609.6	595.7	580.8	563.6	542.5	517.7	489.6	461.8
-65°	570.6	560.5	550.8	541.6	531.1	519.2	500.8	479.3	456.3	432.2	406.9
-67.5°	499.9	490.8	483.2	475.6	466.0	453.7	435.9	416.4	395.2	371.0	348.6
-70°	433.9	427.0	419.7	410.9	400.3	388.3	372.7	353.8	332.3	311.4	295.7
-72.5°	370.9	365.2	358.2	349.1	338.7	326.1	310.4	293.7	277.7	262.4	247.9
-75°	307.9	303.3	296.8	286.1	273.8	259.7	246.9	236.4	225.3	213.6	201.4
-77.5°	242.5	238.5	232.7	222.8	212.6	202.3	192.4	184.0	175.8	167.1	158.1
-80°	175.1	172.3	168.5	162.3	156.0	149.5	143.1	136.9	130.4	123.5	116.3
-82.5°	117.4	114.9	112.2	109.1	105.8	102.3	98.4	93.1	87.4	81.0	74.4
-85°	69.3	67.9	66.3	64.6	62.7	60.6	58.4	55.0	51.7	48.4	45.4
-87.5°	28.1	27.6	27.1	26.5	25.9	25.2	24.5	23.7	22.9	22.0	21.1
-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: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA5E-727-U-NR-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°	20.2	19.2	18.2	17.1	16.1	14.9	13.8	12.6	11.4	10.2	9.0
85°	43.6	41.6	39.2	36.4	33.2	29.9	27.6	25.2	22.9	20.4	18.0
82.5°	70.6	68.0	65.4	62.0	57.2	52.2	47.0	41.8	36.4	31.0	26.9
80°	109.4	102.6	96.1	89.7	82.1	74.4	67.5	60.5	53.4	46.1	38.7
77.5°	148.6	138.8	128.6	119.2	109.7	100.0	90.1	79.9	70.2	61.2	52.0
75°	188.6	176.6	164.3	151.7	138.7	125.6	113.6	101.4	89.0	76.3	65.1
72.5°	233.0	217.5	201.4	185.1	169.9	154.3	138.4	122.7	108.3	93.6	78.6
70°	279.2	260.1	240.9	222.6	203.3	183.0	164.9	146.3	127.4	110.6	93.6
67.5°	327.7	308.2	285.6	261.2	239.3	216.5	192.0	170.1	148.9	127.4	108.3
65°	380.9	356.5	333.0	304.8	277.2	250.6	224.0	195.1	170.1	146.3	122.7
62.5°	432.9	403.5	375.3	346.4	316.2	285.6	255.5	223.2	191.8	164.9	138.4
60°	484.3	451.7	416.7	383.9	352.4	320.1	285.9	250.4	215.9	183.0	154.3
57.5°	533.2	498.9	459.4	421.0	385.6	351.9	315.3	276.7	239.2	202.9	169.8
55°	578.7	540.5	499.5	457.6	417.9	380.9	343.0	302.1	261.7	222.6	184.7
52.5°	620.7	580.7	536.9	492.5	449.1	408.9	368.8	326.4	283.3	241.6	200.7
50°	659.7	620.5	574.0	526.4	478.8	436.3	394.2	349.7	304.0	259.7	216.4
47.5°	693.5	656.3	611.4	559.9	509.1	463.3	419.2	372.6	323.6	277.0	231.5
45°	721.1	689.6	646.2	594.4	540.0	491.5	443.7	394.9	343.7	293.7	246.1
42.5°	746.7	717.3	678.2	628.2	571.7	519.2	467.6	416.6	363.2	309.6	260.0
40°	772.8	741.7	708.0	657.6	601.4	545.7	491.8	437.8	382.1	325.3	273.2
37.5°	797.2	764.8	730.7	685.0	628.2	570.8	514.9	458.3	399.6	340.9	285.8
35°	821.9	785.7	750.4	706.4	651.4	593.5	536.9	478.0	416.2	355.4	297.6
32.5°	845.7	805.1	766.9	723.8	672.7	614.0	556.5	495.1	431.8	368.8	308.8
30°	867.2	823.2	782.9	740.7	690.8	631.9	573.1	510.7	446.2	381.0	319.2
27.5°	884.5	838.2	798.0	755.2	705.2	647.9	587.6	524.7	459.5	392.4	329.1
25°	901.7	852.1	810.2	768.5	718.8	664.2	601.2	537.1	471.2	403.0	338.1
22.5°	920.8	865.0	819.6	781.0	732.6	679.8	614.0	547.8	481.3	412.7	346.0
20°	937.7	876.2	826.8	790.9	743.7	691.4	626.3	557.5	490.0	421.2	353.0
17.5°	952.6	888.1	836.1	796.7	752.3	701.4	637.6	566.1	497.3	428.6	358.9
15°	968.1	900.6	844.4	801.5	759.3	709.7	647.9	573.6	503.3	434.9	364.2
12.5°	981.9	910.8	851.1	805.2	764.6	716.5	656.9	579.7	507.9	440.2	369.0
10°	993.3	918.7	856.1	807.7	768.3	721.7	664.7	585.7	512.8	444.2	373.1
7.5°	1002.3	924.1	859.3	809.1	770.9	725.8	671.3	592.6	517.0	447.0	376.4
5°	1008.8	928.5	864.4	813.7	774.0	729.1	675.9	598.1	520.1	448.5	378.8
2.5°	1013.8	932.2	869.9	818.1	775.9	731.0	678.6	602.2	522.0	448.8	380.3
0°	1015.4	933.3	873.6	821.3	776.5	731.7	679.5	604.8	522.7	448.0	380.8
-2.5°	1013.8	932.2	869.9	818.1	775.9	731.0	678.6	602.2	522.0	448.8	380.3
-5°	1008.8	928.5	864.4	813.7	774.0	729.1	675.9	598.1	520.1	448.5	378.8
-7.5°	1002.3	924.1	859.3	809.1	770.9	725.8	671.3	592.6	517.0	447.0	376.4
-10°	993.3	918.7	856.1	807.7	768.3	721.7	664.7	585.7	512.8	444.2	373.1
-12.5°	981.9	910.8	851.1	805.2	764.6	716.5	656.9	579.7	507.9	440.2	369.0
-15°	968.1	900.6	844.4	801.5	759.3	709.7	647.9	573.6	503.3	434.9	364.2
-17.5°	952.6	888.1	836.1	796.7	752.3	701.4	637.6	566.1	497.3	428.6	358.9
-20°	937.7	876.2	826.8	790.9	743.7	691.4	626.3	557.5	490.0	421.2	353.0

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	920.8	865.0	819.6	781.0	732.6	679.8	614.0	547.8	481.3	412.7	346.0
-25°	901.7	852.1	810.2	768.5	718.8	664.2	601.2	537.1	471.2	403.0	338.1
-27.5°	884.5	838.2	798.0	755.2	705.2	647.9	587.6	524.7	459.5	392.4	329.1
-30°	867.2	823.2	782.9	740.7	690.8	631.9	573.1	510.7	446.2	381.0	319.2
-32.5°	845.7	805.1	766.9	723.8	672.7	614.0	556.5	495.1	431.8	368.8	308.8
-35°	821.9	785.7	750.4	706.4	651.4	593.5	536.9	478.0	416.2	355.4	297.6
-37.5°	797.2	764.8	730.7	685.0	628.2	570.8	514.9	458.3	399.6	340.9	285.8
-40°	772.8	741.7	708.0	657.6	601.4	545.7	491.8	437.8	382.1	325.3	273.2
-42.5°	746.7	717.3	678.2	628.2	571.7	519.2	467.6	416.6	363.2	309.6	260.0
-45°	721.1	689.6	646.2	594.4	540.0	491.5	443.7	394.9	343.7	293.7	246.1
-47.5°	693.5	656.3	611.4	559.9	509.1	463.3	419.2	372.6	323.6	277.0	231.5
-50°	659.7	620.5	574.0	526.4	478.8	436.3	394.2	349.7	304.0	259.7	216.4
-52.5°	620.7	580.7	536.9	492.5	449.1	408.9	368.8	326.4	283.3	241.6	200.7
-55°	578.7	540.5	499.5	457.6	417.9	380.9	343.0	302.1	261.7	222.6	184.7
-57.5°	533.2	498.9	459.4	421.0	385.6	351.9	315.3	276.7	239.2	202.9	169.8
-60°	484.3	451.7	416.7	383.9	352.4	320.1	285.9	250.4	215.9	183.0	154.3
-62.5°	432.9	403.5	375.3	346.4	316.2	285.6	255.5	223.2	191.8	164.9	138.4
-65°	380.9	356.5	333.0	304.8	277.2	250.6	224.0	195.1	170.1	146.3	122.7
-67.5°	327.7	308.2	285.6	261.2	239.3	216.5	192.0	170.1	148.9	127.4	108.3
-70°	279.2	260.1	240.9	222.6	203.3	183.0	164.9	146.3	127.4	110.6	93.6
-72.5°	233.0	217.5	201.4	185.1	169.9	154.3	138.4	122.7	108.3	93.6	78.6
-75°	188.6	176.6	164.3	151.7	138.7	125.6	113.6	101.4	89.0	76.3	65.1
-77.5°	148.6	138.8	128.6	119.2	109.7	100.0	90.1	79.9	70.2	61.2	52.0
-80°	109.4	102.6	96.1	89.7	82.1	74.4	67.5	60.5	53.4	46.1	38.7
-82.5°	70.6	68.0	65.4	62.0	57.2	52.2	47.0	41.8	36.4	31.0	26.9
-85°	43.6	41.6	39.2	36.4	33.2	29.9	27.6	25.2	22.9	20.4	18.0
-87.5°	20.2	19.2	18.2	17.1	16.1	14.9	13.8	12.6	11.4	10.2	9.0
-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: P627739 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA5E-727-U-NR-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°	7.7	6.5	5.2	3.9	2.6	1.1	0.0
85°	15.5	12.9	10.4	7.8	5.2	2.3	0.0
82.5°	23.2	19.4	15.5	11.7	7.8	3.4	0.0
80°	31.3	25.8	20.7	15.5	10.3	4.5	0.0
77.5°	42.6	33.1	25.8	19.4	12.9	5.6	0.0
75°	53.7	42.0	31.1	23.2	15.3	6.7	0.0
72.5°	64.7	50.8	37.9	26.9	17.8	7.8	0.0
70°	75.7	59.5	44.6	30.8	20.1	8.9	0.0
67.5°	88.2	67.9	51.1	35.5	22.4	9.9	0.0
65°	100.4	77.2	57.5	40.1	24.7	10.9	0.0
62.5°	112.4	87.2	63.7	44.6	26.8	11.9	0.0
60°	124.1	96.9	69.7	49.0	28.9	12.8	0.0
57.5°	137.0	106.5	77.2	53.2	31.6	13.7	0.0
55°	149.8	115.7	84.6	57.3	34.2	14.6	0.0
52.5°	162.1	124.9	91.8	61.2	36.8	15.4	0.0
50°	174.0	134.8	98.7	64.9	39.3	16.2	0.0
47.5°	185.7	144.4	105.3	68.8	41.7	17.0	0.0
45°	198.2	153.5	111.7	73.6	44.0	17.7	0.0
42.5°	210.0	162.3	117.8	78.2	46.3	18.4	0.0
40°	221.4	170.6	124.0	82.7	48.5	19.0	0.0
37.5°	232.1	178.5	130.3	86.9	50.5	19.6	0.0
35°	242.2	186.6	136.3	91.0	52.5	20.1	0.0
32.5°	251.7	194.5	141.8	94.8	54.4	20.6	0.0
30°	260.5	201.8	147.0	98.4	56.2	21.0	0.0
27.5°	268.7	208.6	152.0	101.7	57.8	21.4	0.0
25°	276.2	214.7	156.6	104.7	59.4	21.7	0.0
22.5°	282.9	220.3	160.9	107.5	60.8	22.0	0.0
20°	288.9	225.1	164.7	110.0	62.1	22.3	0.0
17.5°	293.9	229.3	168.0	112.2	63.3	22.4	0.0
15°	298.0	232.6	171.0	114.1	64.3	22.6	0.0
12.5°	301.3	235.3	173.5	115.8	65.1	22.7	0.0
10°	303.8	237.3	175.5	117.1	65.9	22.7	0.0
7.5°	305.6	238.7	177.1	118.2	66.4	22.7	0.0
5°	306.5	239.4	178.3	118.9	66.9	22.6	0.0
2.5°	306.7	239.4	179.0	119.3	67.1	22.5	0.0
0°	306.1	238.9	179.2	119.5	67.2	22.4	0.0
-2.5°	306.7	239.4	179.0	119.3	67.1	22.5	0.0
-5°	306.5	239.4	178.3	118.9	66.9	22.6	0.0
-7.5°	305.6	238.7	177.1	118.2	66.4	22.7	0.0
-10°	303.8	237.3	175.5	117.1	65.9	22.7	0.0
-12.5°	301.3	235.3	173.5	115.8	65.1	22.7	0.0
-15°	298.0	232.6	171.0	114.1	64.3	22.6	0.0
-17.5°	293.9	229.3	168.0	112.2	63.3	22.4	0.0
-20°	288.9	225.1	164.7	110.0	62.1	22.3	0.0

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CATALOG NUMBER: GFLD-SA5E-727-U-NR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	282.9	220.3	160.9	107.5	60.8	22.0	0.0
-25°	276.2	214.7	156.6	104.7	59.4	21.7	0.0
-27.5°	268.7	208.6	152.0	101.7	57.8	21.4	0.0
-30°	260.5	201.8	147.0	98.4	56.2	21.0	0.0
-32.5°	251.7	194.5	141.8	94.8	54.4	20.6	0.0
-35°	242.2	186.6	136.3	91.0	52.5	20.1	0.0
-37.5°	232.1	178.5	130.3	86.9	50.5	19.6	0.0
-40°	221.4	170.6	124.0	82.7	48.5	19.0	0.0
-42.5°	210.0	162.3	117.8	78.2	46.3	18.4	0.0
-45°	198.2	153.5	111.7	73.6	44.0	17.7	0.0
-47.5°	185.7	144.4	105.3	68.8	41.7	17.0	0.0
-50°	174.0	134.8	98.7	64.9	39.3	16.2	0.0
-52.5°	162.1	124.9	91.8	61.2	36.8	15.4	0.0
-55°	149.8	115.7	84.6	57.3	34.2	14.6	0.0
-57.5°	137.0	106.5	77.2	53.2	31.6	13.7	0.0
-60°	124.1	96.9	69.7	49.0	28.9	12.8	0.0
-62.5°	112.4	87.2	63.7	44.6	26.8	11.9	0.0
-65°	100.4	77.2	57.5	40.1	24.7	10.9	0.0
-67.5°	88.2	67.9	51.1	35.5	22.4	9.9	0.0
-70°	75.7	59.5	44.6	30.8	20.1	8.9	0.0
-72.5°	64.7	50.8	37.9	26.9	17.8	7.8	0.0
-75°	53.7	42.0	31.1	23.2	15.3	6.7	0.0
-77.5°	42.6	33.1	25.8	19.4	12.9	5.6	0.0
-80°	31.3	25.8	20.7	15.5	10.3	4.5	0.0
-82.5°	23.2	19.4	15.5	11.7	7.8	3.4	0.0
-85°	15.5	12.9	10.4	7.8	5.2	2.3	0.0
-87.5°	7.7	6.5	5.2	3.9	2.6	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)