

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: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3C-727-U-VWR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA3C-727-U-VWR-XX  
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N66  
Light Source: (48) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

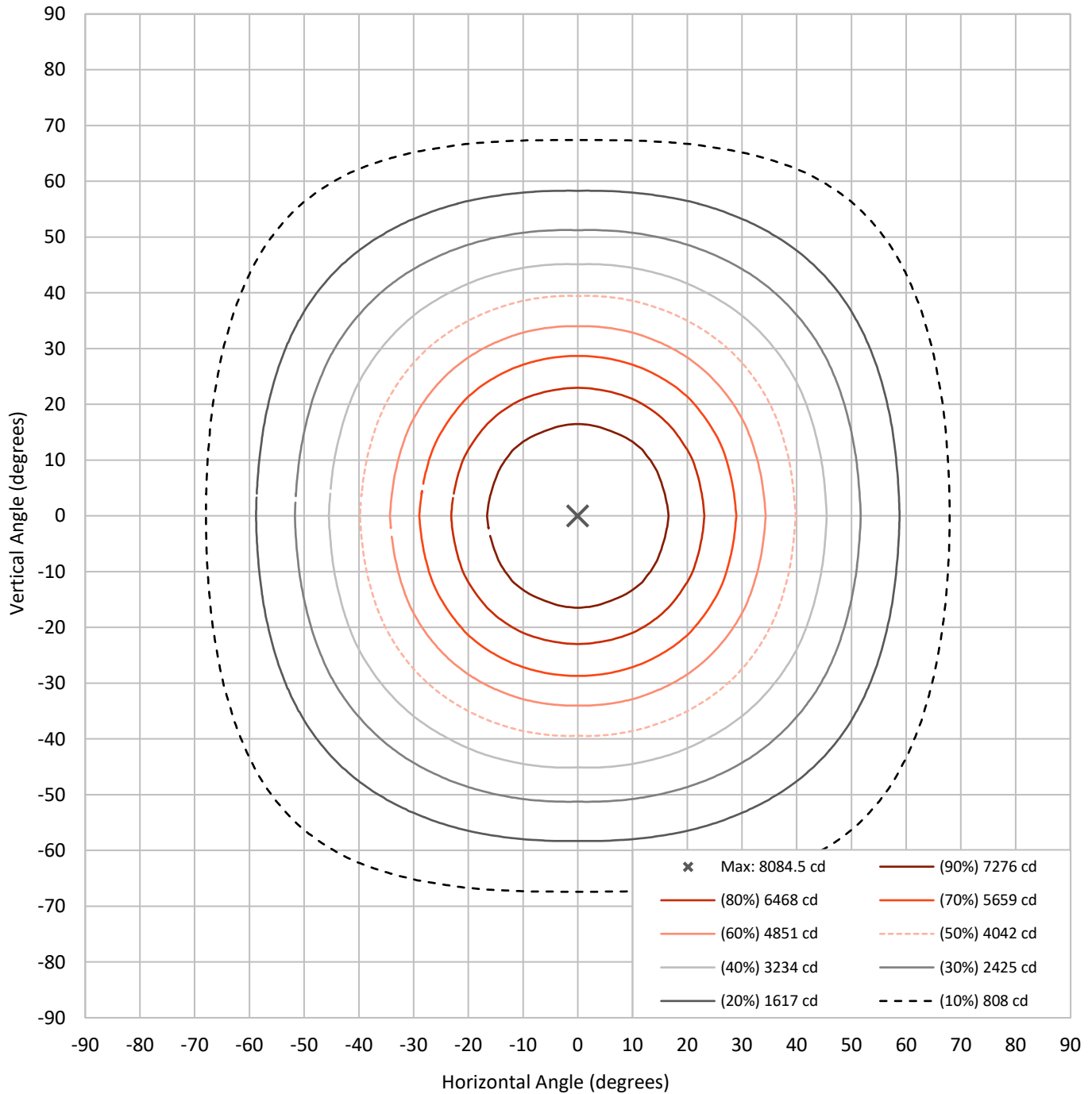
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14612 lumens	Max Intensity:	8084.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	8570 lumens	Field Lumens:	13930 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	121.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





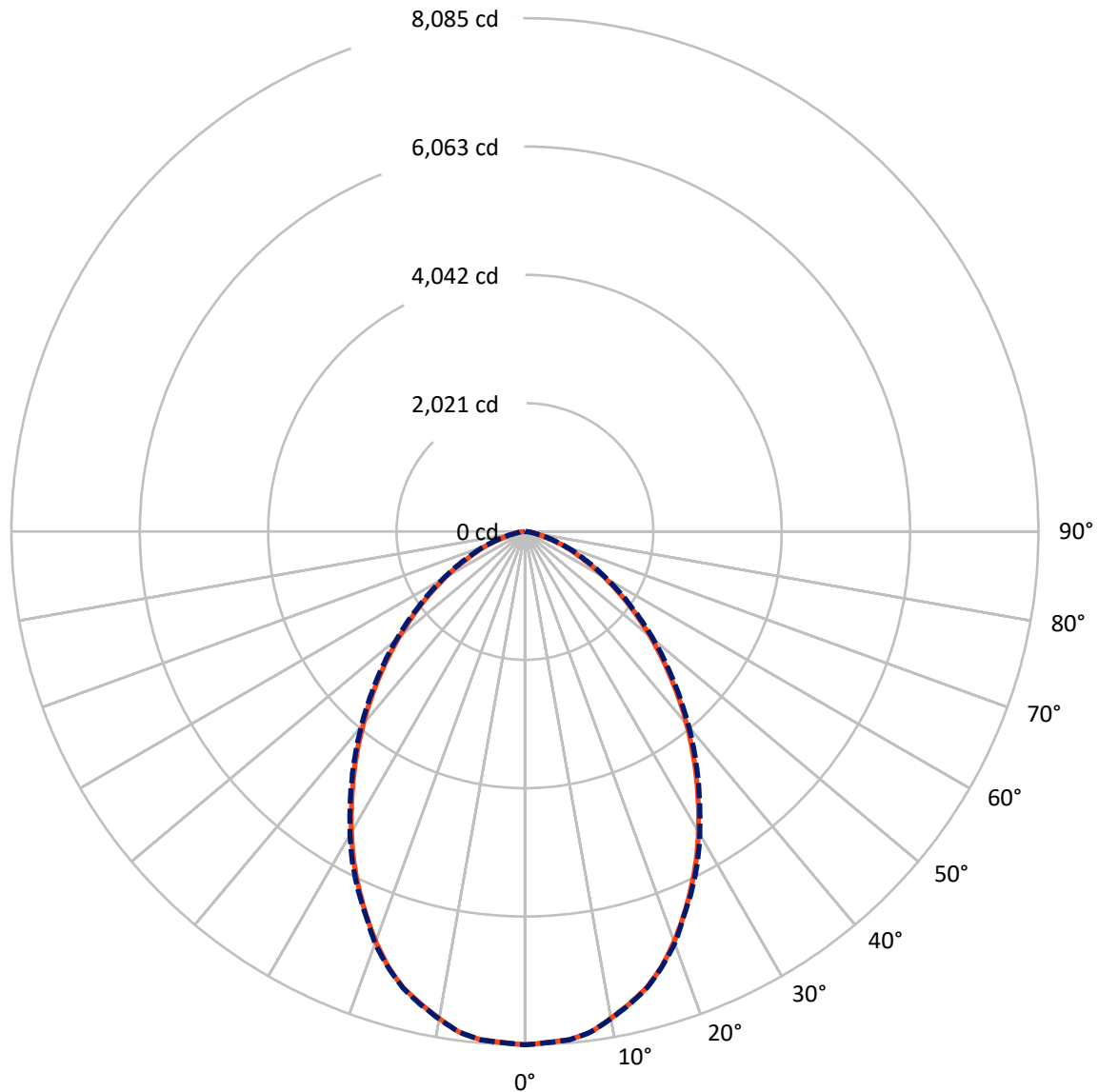
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### Lumen Table

90																			
80	0.5	6.0	16.3	27.7	26.1	27.7	16.3	6.0	0.5										
70																			
60	2.7	3.8	7.6	12.9	18.9	24.3	28.5	30.5	30.5	28.5	24.3	18.9	12.9	7.6	3.8	2.7			
50		5.6	12.3	21.9	33.2	45.1	54.9	60.0	60.0	54.9	45.1	33.2	21.9	12.3	5.6				
40	4.8	7.5	17.8	32.8	52.0	72.0	88.9	98.1	98.1	88.9	72.0	52.0	32.8	17.8	7.5	4.8			
30		9.6	23.5	45.2	72.8	102.0	127.0	141.2	141.2	127.0	102.0	72.8	45.2	23.5	9.6				
20	6.1	11.4	29.0	56.8	92.6	131.5	165.4	184.9	184.9	165.4	131.5	92.6	56.8	29.0	11.4	6.1			
10		12.9	33.1	65.5	108.1	155.4	197.1	220.8	220.8	197.1	155.4	108.1	65.5	33.1	12.9				
0	6.7	13.7	35.5	70.4	116.8	168.7	214.2	239.2	239.2	214.2	168.7	116.8	70.4	35.5	13.7	6.7			
-10		13.7	35.5	70.4	116.8	168.7	214.2	239.2	239.2	214.2	168.7	116.8	70.4	35.5	13.7				
-20	6.1	12.9	33.1	65.5	108.1	155.4	197.1	220.8	220.8	197.1	155.4	108.1	65.5	33.1	12.9	6.1			
-30		11.4	29.0	56.8	92.6	131.5	165.4	184.9	184.9	165.4	131.5	92.6	56.8	29.0	11.4				
-40	4.8	9.6	23.5	45.2	72.8	102.0	127.0	141.2	141.2	127.0	102.0	72.8	45.2	23.5	9.6	4.8			
-50		7.5	17.8	32.8	52.0	72.0	88.9	98.1	98.1	88.9	72.0	52.0	32.8	17.8	7.5				
-60	2.7	5.6	12.3	21.9	33.2	45.1	54.9	60.0	60.0	54.9	45.1	33.2	21.9	12.3	5.6	2.7			
-70		3.8	7.6	12.9	18.9	24.3	28.5	30.5	30.5	28.5	24.3	18.9	12.9	7.6	3.8				
-80	0.5	6.0	16.3	27.7	26.1	27.7	16.3	6.0	0.5										
-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

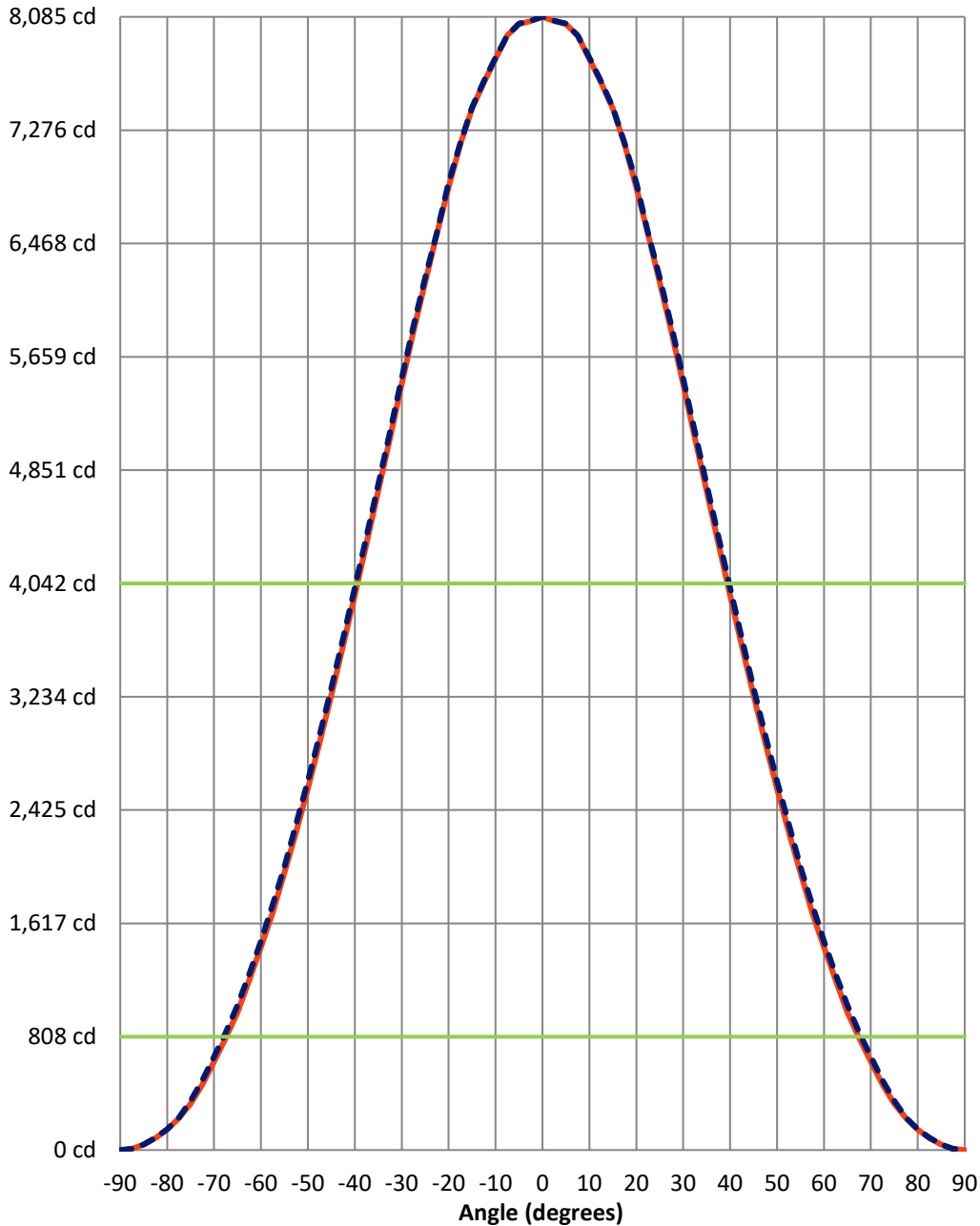


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.6°  
 V Angle: 78.9°  
 Lumens: 8570  
 Efficiency: 58.7%

**Field:**  
 H Angle: 135.9°  
 V Angle: 134.8°  
 Lumens: 13930  
 Efficiency: 95.3%

**Spill:**  
 Lumens: 682  
 Efficiency: 4.7%

— 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	0.5	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
85°	0.0	0.9	2.1	3.2	4.2	5.2	6.3	7.3	8.3	9.3	10.2
82.5°	0.0	1.4	3.1	4.7	6.3	7.8	9.4	10.9	13.6	21.5	29.0
80°	0.0	1.8	4.2	6.3	8.4	10.4	14.1	25.1	35.7	45.9	55.7
77.5°	0.0	2.3	5.2	7.8	10.4	16.4	30.8	44.7	57.7	70.3	85.8
75°	0.0	2.7	6.2	9.4	13.6	28.3	47.0	64.0	80.4	102.8	126.6
72.5°	0.0	3.2	7.2	10.9	21.7	39.9	62.8	84.9	110.5	137.7	166.6
70°	0.0	3.6	8.1	13.0	29.5	51.2	78.5	109.8	139.9	172.1	209.7
67.5°	0.0	4.0	9.1	17.9	37.0	61.9	97.4	134.2	168.8	209.4	252.5
65°	0.0	4.4	10.0	22.5	44.2	73.9	115.4	157.9	200.0	245.6	292.6
62.5°	0.0	4.8	10.9	27.0	51.0	87.1	132.5	182.7	230.1	280.3	328.5
60°	0.0	5.2	11.7	31.2	57.4	99.5	148.7	207.3	259.1	312.6	363.8
57.5°	0.0	5.6	14.1	35.1	65.9	111.2	165.7	230.2	287.7	344.5	397.3
55°	0.0	5.9	16.4	38.8	74.0	122.1	181.8	250.1	315.8	375.2	429.4
52.5°	0.0	6.3	18.6	42.2	81.6	132.4	196.8	270.6	343.3	403.5	460.8
50°	0.0	6.6	20.7	45.3	88.5	143.3	210.4	290.2	369.3	430.9	496.7
47.5°	0.0	6.9	22.7	48.6	94.9	153.4	223.3	308.4	392.9	457.5	531.9
45°	0.0	7.2	24.7	52.8	100.6	162.4	237.5	325.1	411.3	487.6	565.5
42.5°	0.0	7.5	26.5	56.6	105.6	170.4	250.6	340.5	428.9	516.3	605.2
40°	0.0	7.7	28.2	60.5	110.7	177.4	262.4	355.1	447.1	543.3	643.8
37.5°	0.0	7.9	29.8	64.3	115.7	183.4	273.0	369.0	467.7	568.9	680.1
35°	0.0	8.2	31.3	67.9	120.0	190.3	282.4	382.0	487.7	598.3	716.6
32.5°	0.0	8.4	32.7	71.2	123.6	197.3	291.0	394.2	507.1	626.7	755.2
30°	0.0	8.5	33.9	74.3	126.5	203.2	300.0	406.4	525.8	653.7	791.4
27.5°	0.0	8.7	35.0	77.0	130.9	208.1	308.1	420.6	545.1	679.4	824.9
25°	0.0	8.8	36.0	79.5	134.9	212.0	315.2	433.7	565.2	705.5	855.9
22.5°	0.0	8.9	36.9	81.6	138.5	215.9	321.3	445.8	583.7	730.3	888.9
20°	0.0	9.0	37.7	83.5	141.6	221.2	326.3	456.7	600.5	752.4	918.5
17.5°	0.0	9.1	38.3	85.1	144.2	225.6	332.6	466.2	615.4	771.8	944.6
15°	0.0	9.2	38.9	86.3	146.3	229.0	339.2	475.3	628.5	788.5	967.1
12.5°	0.0	9.2	39.3	87.3	147.9	231.5	344.5	483.9	640.2	802.3	986.0
10°	0.0	9.2	39.5	88.0	149.0	233.0	348.5	490.5	650.4	815.2	1001.9
7.5°	0.0	9.2	39.7	88.4	149.6	233.6	351.3	495.1	658.2	825.7	1015.6
5°	0.0	9.2	39.7	88.5	149.7	233.4	352.7	497.7	663.5	833.3	1025.4
2.5°	0.0	9.2	39.6	88.4	149.3	232.2	352.8	498.3	666.4	837.9	1031.3
0°	0.0	9.1	39.4	87.9	148.5	230.3	351.5	496.9	666.6	839.4	1033.3
-2.5°	0.0	9.2	39.6	88.4	149.3	232.2	352.8	498.3	666.4	837.9	1031.3
-5°	0.0	9.2	39.7	88.5	149.7	233.4	352.7	497.7	663.5	833.3	1025.4
-7.5°	0.0	9.2	39.7	88.4	149.6	233.6	351.3	495.1	658.2	825.7	1015.6
-10°	0.0	9.2	39.5	88.0	149.0	233.0	348.5	490.5	650.4	815.2	1001.9
-12.5°	0.0	9.2	39.3	87.3	147.9	231.5	344.5	483.9	640.2	802.3	986.0
-15°	0.0	9.2	38.9	86.3	146.3	229.0	339.2	475.3	628.5	788.5	967.1
-17.5°	0.0	9.1	38.3	85.1	144.2	225.6	332.6	466.2	615.4	771.8	944.6
-20°	0.0	9.0	37.7	83.5	141.6	221.2	326.3	456.7	600.5	752.4	918.5

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REPORT NUMBER: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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	8.9	36.9	81.6	138.5	215.9	321.3	445.8	583.7	730.3	888.9
-25°	0.0	8.8	36.0	79.5	134.9	212.0	315.2	433.7	565.2	705.5	855.9
-27.5°	0.0	8.7	35.0	77.0	130.9	208.1	308.1	420.6	545.1	679.4	824.9
-30°	0.0	8.5	33.9	74.3	126.5	203.2	300.0	406.4	525.8	653.7	791.4
-32.5°	0.0	8.4	32.7	71.2	123.6	197.3	291.0	394.2	507.1	626.7	755.2
-35°	0.0	8.2	31.3	67.9	120.0	190.3	282.4	382.0	487.7	598.3	716.6
-37.5°	0.0	7.9	29.8	64.3	115.7	183.4	273.0	369.0	467.7	568.9	680.1
-40°	0.0	7.7	28.2	60.5	110.7	177.4	262.4	355.1	447.1	543.3	643.8
-42.5°	0.0	7.5	26.5	56.6	105.6	170.4	250.6	340.5	428.9	516.3	605.2
-45°	0.0	7.2	24.7	52.8	100.6	162.4	237.5	325.1	411.3	487.6	565.5
-47.5°	0.0	6.9	22.7	48.6	94.9	153.4	223.3	308.4	392.9	457.5	531.9
-50°	0.0	6.6	20.7	45.3	88.5	143.3	210.4	290.2	369.3	430.9	496.7
-52.5°	0.0	6.3	18.6	42.2	81.6	132.4	196.8	270.6	343.3	403.5	460.8
-55°	0.0	5.9	16.4	38.8	74.0	122.1	181.8	250.1	315.8	375.2	429.4
-57.5°	0.0	5.6	14.1	35.1	65.9	111.2	165.7	230.2	287.7	344.5	397.3
-60°	0.0	5.2	11.7	31.2	57.4	99.5	148.7	207.3	259.1	312.6	363.8
-62.5°	0.0	4.8	10.9	27.0	51.0	87.1	132.5	182.7	230.1	280.3	328.5
-65°	0.0	4.4	10.0	22.5	44.2	73.9	115.4	157.9	200.0	245.6	292.6
-67.5°	0.0	4.0	9.1	17.9	37.0	61.9	97.4	134.2	168.8	209.4	252.5
-70°	0.0	3.6	8.1	13.0	29.5	51.2	78.5	109.8	139.9	172.1	209.7
-72.5°	0.0	3.2	7.2	10.9	21.7	39.9	62.8	84.9	110.5	137.7	166.6
-75°	0.0	2.7	6.2	9.4	13.6	28.3	47.0	64.0	80.4	102.8	126.6
-77.5°	0.0	2.3	5.2	7.8	10.4	16.4	30.8	44.7	57.7	70.3	85.8
-80°	0.0	1.8	4.2	6.3	8.4	10.4	14.1	25.1	35.7	45.9	55.7
-82.5°	0.0	1.4	3.1	4.7	6.3	7.8	9.4	10.9	13.6	21.5	29.0
-85°	0.0	0.9	2.1	3.2	4.2	5.2	6.3	7.3	8.3	9.3	10.2
-87.5°	0.0	0.5	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-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°	5.9	6.8	7.7	8.7	8.8	8.8	8.7	8.6	8.9	9.3	9.6
85°	11.9	13.6	18.9	24.0	26.5	28.0	28.6	28.5	33.2	38.5	44.4
82.5°	36.9	44.5	51.8	58.7	60.4	60.5	59.8	60.0	70.9	83.4	96.2
80°	65.7	75.3	88.1	99.4	104.4	106.9	108.1	107.9	121.7	140.0	159.3
77.5°	104.2	120.4	134.5	146.5	153.0	158.7	163.4	167.0	184.7	207.9	230.9
75°	148.0	165.8	183.5	198.9	209.7	217.7	225.2	237.2	260.4	287.5	311.0
72.5°	194.3	217.0	236.8	253.5	268.6	284.7	302.7	322.4	346.9	373.9	398.6
70°	243.7	268.7	289.4	309.5	330.1	354.2	381.2	407.7	435.0	464.9	493.6
67.5°	292.1	316.2	340.5	365.9	396.8	429.0	460.9	497.5	535.0	568.1	597.8
65°	334.1	362.4	392.8	427.3	465.4	506.3	548.9	592.8	640.4	680.1	716.4
62.5°	374.2	408.2	445.2	488.2	536.8	585.2	639.5	694.5	748.0	794.9	838.3
60°	411.2	452.3	499.1	551.8	608.5	673.0	734.8	797.3	856.0	909.1	963.9
57.5°	447.2	498.9	555.0	618.3	690.1	762.5	835.1	902.4	968.8	1033.5	1095.6
55°	485.2	547.6	614.4	692.0	772.9	858.5	936.8	1011.8	1085.0	1163.6	1238.3
52.5°	527.1	596.8	680.4	767.3	860.7	952.5	1038.6	1124.1	1212.5	1301.4	1398.7
50°	567.5	654.5	746.0	847.1	948.0	1046.4	1145.0	1243.5	1349.5	1458.5	1568.7
47.5°	614.7	709.6	817.8	926.1	1036.4	1146.0	1255.9	1374.9	1495.2	1621.7	1743.5
45°	662.5	769.2	885.7	1008.3	1127.5	1248.8	1377.3	1508.8	1650.0	1789.1	1935.7
42.5°	707.8	828.4	956.8	1089.2	1221.9	1357.4	1498.7	1652.3	1806.5	1967.0	2128.1
40°	758.0	884.7	1026.3	1172.1	1316.1	1466.3	1627.8	1794.2	1968.7	2145.1	2320.1
37.5°	806.2	945.5	1094.3	1251.3	1412.9	1578.0	1753.3	1942.2	2131.5	2321.3	2514.2
35°	851.4	1003.2	1164.4	1331.0	1502.4	1690.1	1886.2	2087.8	2292.8	2498.1	2705.7
32.5°	897.9	1057.5	1231.3	1409.7	1598.5	1799.8	2014.5	2233.0	2451.4	2670.6	2897.8
30°	944.4	1114.5	1296.1	1484.0	1690.5	1909.9	2140.7	2372.1	2603.1	2844.4	3086.5
27.5°	988.5	1168.6	1359.8	1560.9	1778.8	2011.9	2256.9	2504.9	2753.9	3010.4	3268.7
25°	1029.0	1219.8	1418.9	1634.8	1865.8	2110.0	2365.3	2624.0	2897.1	3171.6	3441.3
22.5°	1068.5	1266.9	1473.7	1703.0	1944.6	2201.0	2466.9	2740.1	3025.5	3320.3	3599.4
20°	1106.5	1311.7	1526.9	1764.7	2015.2	2283.1	2559.3	2845.4	3144.8	3447.5	3747.6
17.5°	1140.3	1351.6	1576.6	1822.4	2082.6	2358.0	2642.6	2938.0	3250.8	3564.5	3882.6
15°	1169.7	1386.2	1619.5	1872.8	2142.1	2426.2	2719.8	3023.7	3344.5	3671.2	4001.9
12.5°	1194.5	1415.6	1655.7	1915.6	2192.7	2484.7	2786.2	3100.8	3430.3	3766.1	4106.3
10°	1214.8	1439.5	1684.9	1950.6	2234.0	2533.0	2840.9	3164.3	3503.6	3846.8	4194.2
7.5°	1231.9	1459.5	1708.1	1977.6	2265.8	2570.8	2883.4	3213.8	3562.1	3909.7	4264.7
5°	1244.5	1475.6	1729.5	2000.2	2293.4	2600.3	2915.7	3249.1	3604.9	3954.5	4315.9
2.5°	1252.0	1486.1	1744.0	2014.8	2315.2	2622.5	2944.3	3280.3	3636.2	3990.1	4354.4
0°	1254.5	1490.8	1751.4	2021.1	2327.2	2633.2	2960.5	3296.8	3651.3	4011.9	4378.6
-2.5°	1252.0	1486.1	1744.0	2014.8	2315.2	2622.5	2944.3	3280.3	3636.2	3990.1	4354.4
-5°	1244.5	1475.6	1729.5	2000.2	2293.4	2600.3	2915.7	3249.1	3604.9	3954.5	4315.9
-7.5°	1231.9	1459.5	1708.1	1977.6	2265.8	2570.8	2883.4	3213.8	3562.1	3909.7	4264.7
-10°	1214.8	1439.5	1684.9	1950.6	2234.0	2533.0	2840.9	3164.3	3503.6	3846.8	4194.2
-12.5°	1194.5	1415.6	1655.7	1915.6	2192.7	2484.7	2786.2	3100.8	3430.3	3766.1	4106.3
-15°	1169.7	1386.2	1619.5	1872.8	2142.1	2426.2	2719.8	3023.7	3344.5	3671.2	4001.9
-17.5°	1140.3	1351.6	1576.6	1822.4	2082.6	2358.0	2642.6	2938.0	3250.8	3564.5	3882.6
-20°	1106.5	1311.7	1526.9	1764.7	2015.2	2283.1	2559.3	2845.4	3144.8	3447.5	3747.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3C-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1068.5	1266.9	1473.7	1703.0	1944.6	2201.0	2466.9	2740.1	3025.5	3320.3	3599.4
-25°	1029.0	1219.8	1418.9	1634.8	1865.8	2110.0	2365.3	2624.0	2897.1	3171.6	3441.3
-27.5°	988.5	1168.6	1359.8	1560.9	1778.8	2011.9	2256.9	2504.9	2753.9	3010.4	3268.7
-30°	944.4	1114.5	1296.1	1484.0	1690.5	1909.9	2140.7	2372.1	2603.1	2844.4	3086.5
-32.5°	897.9	1057.5	1231.3	1409.7	1598.5	1799.8	2014.5	2233.0	2451.4	2670.6	2897.8
-35°	851.4	1003.2	1164.4	1331.0	1502.4	1690.1	1886.2	2087.8	2292.8	2498.1	2705.7
-37.5°	806.2	945.5	1094.3	1251.3	1412.9	1578.0	1753.3	1942.2	2131.5	2321.3	2514.2
-40°	758.0	884.7	1026.3	1172.1	1316.1	1466.3	1627.8	1794.2	1968.7	2145.1	2320.1
-42.5°	707.8	828.4	956.8	1089.2	1221.9	1357.4	1498.7	1652.3	1806.5	1967.0	2128.1
-45°	662.5	769.2	885.7	1008.3	1127.5	1248.8	1377.3	1508.8	1650.0	1789.1	1935.7
-47.5°	614.7	709.6	817.8	926.1	1036.4	1146.0	1255.9	1374.9	1495.2	1621.7	1743.5
-50°	567.5	654.5	746.0	847.1	948.0	1046.4	1145.0	1243.5	1349.5	1458.5	1568.7
-52.5°	527.1	596.8	680.4	767.3	860.7	952.5	1038.6	1124.1	1212.5	1301.4	1398.7
-55°	485.2	547.6	614.4	692.0	772.9	858.5	936.8	1011.8	1085.0	1163.6	1238.3
-57.5°	447.2	498.9	555.0	618.3	690.1	762.5	835.1	902.4	968.8	1033.5	1095.6
-60°	411.2	452.3	499.1	551.8	608.5	673.0	734.8	797.3	856.0	909.1	963.9
-62.5°	374.2	408.2	445.2	488.2	536.8	585.2	639.5	694.5	748.0	794.9	838.3
-65°	334.1	362.4	392.8	427.3	465.4	506.3	548.9	592.8	640.4	680.1	716.4
-67.5°	292.1	316.2	340.5	365.9	396.8	429.0	460.9	497.5	535.0	568.1	597.8
-70°	243.7	268.7	289.4	309.5	330.1	354.2	381.2	407.7	435.0	464.9	493.6
-72.5°	194.3	217.0	236.8	253.5	268.6	284.7	302.7	322.4	346.9	373.9	398.6
-75°	148.0	165.8	183.5	198.9	209.7	217.7	225.2	237.2	260.4	287.5	311.0
-77.5°	104.2	120.4	134.5	146.5	153.0	158.7	163.4	167.0	184.7	207.9	230.9
-80°	65.7	75.3	88.1	99.4	104.4	106.9	108.1	107.9	121.7	140.0	159.3
-82.5°	36.9	44.5	51.8	58.7	60.4	60.5	59.8	60.0	70.9	83.4	96.2
-85°	11.9	13.6	18.9	24.0	26.5	28.0	28.6	28.5	33.2	38.5	44.4
-87.5°	5.9	6.8	7.7	8.7	8.8	8.8	8.7	8.6	8.9	9.3	9.6
-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: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-727-U-VWR-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°	9.9	10.2	10.5	10.7	11.0	11.2	11.4	11.5	11.7	11.1	10.4
85°	50.6	54.2	57.5	60.8	63.8	66.7	69.4	71.9	74.2	67.8	60.7
82.5°	109.3	118.1	126.4	134.7	143.0	145.0	145.7	145.4	144.2	132.9	120.4
80°	178.4	193.3	207.3	221.2	234.9	236.4	234.8	232.0	228.0	213.2	196.4
77.5°	253.9	272.6	289.0	303.9	317.6	320.2	319.8	319.1	318.0	302.8	284.5
75°	331.2	349.5	367.2	382.2	394.7	400.4	403.2	405.2	406.3	395.4	381.2
72.5°	420.9	439.9	455.5	470.0	482.3	491.3	497.7	502.5	505.8	502.5	496.7
70°	518.2	538.6	555.8	572.2	588.9	602.3	612.5	619.8	624.4	627.5	629.6
67.5°	627.7	655.1	679.0	699.5	719.7	738.6	754.2	766.9	776.7	785.1	791.5
65°	751.2	786.2	817.3	845.8	871.9	899.4	922.0	940.9	956.2	968.8	978.9
62.5°	881.0	923.9	963.8	1002.5	1040.4	1077.7	1106.4	1132.5	1155.7	1175.6	1191.5
60°	1015.8	1064.6	1118.1	1169.2	1216.2	1259.1	1301.8	1338.7	1370.3	1396.6	1417.7
57.5°	1160.8	1224.0	1286.5	1349.9	1409.9	1466.0	1518.5	1564.8	1604.0	1636.1	1663.1
55°	1317.4	1396.4	1468.9	1549.0	1626.3	1696.7	1758.7	1813.2	1860.3	1899.7	1933.2
52.5°	1489.6	1585.6	1679.8	1770.8	1858.6	1940.3	2014.5	2078.0	2134.4	2182.8	2221.3
50°	1677.9	1787.8	1897.0	1998.4	2099.2	2193.3	2278.4	2352.0	2417.6	2474.5	2519.2
47.5°	1875.0	2000.0	2122.0	2238.0	2349.6	2454.2	2546.2	2630.1	2712.0	2778.8	2831.6
45°	2079.5	2219.9	2354.4	2487.0	2609.9	2727.1	2840.7	2945.2	3029.2	3102.8	3164.5
42.5°	2286.7	2443.1	2593.8	2738.4	2873.6	3009.2	3137.0	3251.2	3347.0	3430.6	3500.8
40°	2496.4	2667.7	2833.7	2991.4	3145.9	3293.8	3432.0	3552.5	3660.5	3759.8	3842.5
37.5°	2705.1	2893.6	3077.5	3254.2	3424.3	3584.4	3733.8	3869.9	3991.8	4105.0	4196.8
35°	2914.8	3121.5	3322.9	3517.3	3703.1	3879.8	4043.4	4198.2	4341.9	4456.5	4550.5
32.5°	3123.6	3345.9	3565.0	3779.0	3982.4	4173.0	4350.1	4521.3	4669.1	4795.0	4903.1
30°	3325.7	3566.5	3805.1	4037.1	4256.9	4463.3	4659.5	4840.5	4999.4	5137.2	5258.4
27.5°	3524.0	3782.7	4038.7	4286.6	4524.2	4748.5	4962.6	5158.8	5332.3	5482.1	5609.8
25°	3711.4	3989.4	4262.4	4525.2	4778.9	5026.4	5257.6	5471.7	5657.0	5821.4	5952.7
22.5°	3890.5	4187.0	4473.8	4750.2	5021.7	5288.4	5541.5	5765.1	5961.5	6133.3	6278.6
20°	4057.3	4375.0	4668.4	4960.8	5246.8	5531.5	5803.3	6039.2	6247.0	6429.9	6590.1
17.5°	4213.2	4539.1	4848.0	5159.4	5460.7	5759.5	6035.6	6288.5	6512.6	6706.9	6874.7
15°	4345.3	4674.4	5011.8	5344.1	5661.9	5964.4	6240.3	6504.4	6753.3	6963.4	7133.6
12.5°	4452.1	4794.4	5146.4	5499.2	5835.3	6137.4	6426.2	6694.2	6955.6	7191.5	7348.0
10°	4543.2	4895.7	5259.0	5618.9	5959.5	6279.1	6593.1	6876.4	7133.3	7344.6	7519.3
7.5°	4622.0	4985.1	5354.1	5714.5	6054.0	6384.3	6707.5	7008.3	7267.7	7466.8	7622.5
5°	4680.1	5051.8	5427.9	5791.7	6135.9	6467.3	6791.9	7089.0	7342.2	7544.7	7714.6
2.5°	4721.7	5096.8	5475.7	5840.0	6191.8	6523.9	6856.8	7157.2	7402.4	7588.0	7750.6
0°	4748.3	5124.0	5505.8	5878.5	6224.0	6545.2	6902.7	7184.5	7439.1	7623.9	7793.6
-2.5°	4721.7	5096.8	5475.7	5840.0	6191.8	6523.9	6856.8	7157.2	7402.4	7588.0	7750.6
-5°	4680.1	5051.8	5427.9	5791.7	6135.9	6467.3	6791.9	7089.0	7342.2	7544.7	7714.6
-7.5°	4622.0	4985.1	5354.1	5714.5	6054.0	6384.3	6707.5	7008.3	7267.7	7466.8	7622.5
-10°	4543.2	4895.7	5259.0	5618.9	5959.5	6279.1	6593.1	6876.4	7133.3	7344.6	7519.3
-12.5°	4452.1	4794.4	5146.4	5499.2	5835.3	6137.4	6426.2	6694.2	6955.6	7191.5	7348.0
-15°	4345.3	4674.4	5011.8	5344.1	5661.9	5964.4	6240.3	6504.4	6753.3	6963.4	7133.6
-17.5°	4213.2	4539.1	4848.0	5159.4	5460.7	5759.5	6035.6	6288.5	6512.6	6706.9	6874.7
-20°	4057.3	4375.0	4668.4	4960.8	5246.8	5531.5	5803.3	6039.2	6247.0	6429.9	6590.1



REPORT NUMBER: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3890.5	4187.0	4473.8	4750.2	5021.7	5288.4	5541.5	5765.1	5961.5	6133.3	6278.6
-25°	3711.4	3989.4	4262.4	4525.2	4778.9	5026.4	5257.6	5471.7	5657.0	5821.4	5952.7
-27.5°	3524.0	3782.7	4038.7	4286.6	4524.2	4748.5	4962.6	5158.8	5332.3	5482.1	5609.8
-30°	3325.7	3566.5	3805.1	4037.1	4256.9	4463.3	4659.5	4840.5	4999.4	5137.2	5258.4
-32.5°	3123.6	3345.9	3565.0	3779.0	3982.4	4173.0	4350.1	4521.3	4669.1	4795.0	4903.1
-35°	2914.8	3121.5	3322.9	3517.3	3703.1	3879.8	4043.4	4198.2	4341.9	4456.5	4550.5
-37.5°	2705.1	2893.6	3077.5	3254.2	3424.3	3584.4	3733.8	3869.9	3991.8	4105.0	4196.8
-40°	2496.4	2667.7	2833.7	2991.4	3145.9	3293.8	3432.0	3552.5	3660.5	3759.8	3842.5
-42.5°	2286.7	2443.1	2593.8	2738.4	2873.6	3009.2	3137.0	3251.2	3347.0	3430.6	3500.8
-45°	2079.5	2219.9	2354.4	2487.0	2609.9	2727.1	2840.7	2945.2	3029.2	3102.8	3164.5
-47.5°	1875.0	2000.0	2122.0	2238.0	2349.6	2454.2	2546.2	2630.1	2712.0	2778.8	2831.6
-50°	1677.9	1787.8	1897.0	1998.4	2099.2	2193.3	2278.4	2352.0	2417.6	2474.5	2519.2
-52.5°	1489.6	1585.6	1679.8	1770.8	1858.6	1940.3	2014.5	2078.0	2134.4	2182.8	2221.3
-55°	1317.4	1396.4	1468.9	1549.0	1626.3	1696.7	1758.7	1813.2	1860.3	1899.7	1933.2
-57.5°	1160.8	1224.0	1286.5	1349.9	1409.9	1466.0	1518.5	1564.8	1604.0	1636.1	1663.1
-60°	1015.8	1064.6	1118.1	1169.2	1216.2	1259.1	1301.8	1338.7	1370.3	1396.6	1417.7
-62.5°	881.0	923.9	963.8	1002.5	1040.4	1077.7	1106.4	1132.5	1155.7	1175.6	1191.5
-65°	751.2	786.2	817.3	845.8	871.9	899.4	922.0	940.9	956.2	968.8	978.9
-67.5°	627.7	655.1	679.0	699.5	719.7	738.6	754.2	766.9	776.7	785.1	791.5
-70°	518.2	538.6	555.8	572.2	588.9	602.3	612.5	619.8	624.4	627.5	629.6
-72.5°	420.9	439.9	455.5	470.0	482.3	491.3	497.7	502.5	505.8	502.5	496.7
-75°	331.2	349.5	367.2	382.2	394.7	400.4	403.2	405.2	406.3	395.4	381.2
-77.5°	253.9	272.6	289.0	303.9	317.6	320.2	319.8	319.1	318.0	302.8	284.5
-80°	178.4	193.3	207.3	221.2	234.9	236.4	234.8	232.0	228.0	213.2	196.4
-82.5°	109.3	118.1	126.4	134.7	143.0	145.0	145.7	145.4	144.2	132.9	120.4
-85°	50.6	54.2	57.5	60.8	63.8	66.7	69.4	71.9	74.2	67.8	60.7
-87.5°	9.9	10.2	10.5	10.7	11.0	11.2	11.4	11.5	11.7	11.1	10.4
-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: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-727-U-VWR-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°	9.8	9.1	9.1	9.1	9.1	9.1	9.8	10.4	11.1	11.7	11.5
85°	53.2	45.3	42.4	39.4	42.4	45.3	53.2	60.7	67.8	74.2	71.9
82.5°	107.3	93.6	89.3	84.8	89.3	93.6	107.3	120.4	132.9	144.2	145.4
80°	178.7	160.2	152.9	145.4	152.9	160.2	178.7	196.4	213.2	228.0	232.0
77.5°	265.2	244.8	236.2	227.3	236.2	244.8	265.2	284.5	302.8	318.0	319.1
75°	366.2	350.3	340.7	330.3	340.7	350.3	366.2	381.2	395.4	406.3	405.2
72.5°	490.1	482.3	475.2	466.6	475.2	482.3	490.1	496.7	502.5	505.8	502.5
70°	630.4	629.4	630.7	630.3	630.7	629.4	630.4	629.6	627.5	624.4	619.8
67.5°	794.9	795.1	798.5	800.0	798.5	795.1	794.9	791.5	785.1	776.7	766.9
65°	985.1	987.4	986.6	981.8	986.6	987.4	985.1	978.9	968.8	956.2	940.9
62.5°	1202.8	1209.3	1212.9	1212.1	1212.9	1209.3	1202.8	1191.5	1175.6	1155.7	1132.5
60°	1433.5	1443.8	1448.9	1448.4	1448.9	1443.8	1433.5	1417.7	1396.6	1370.3	1338.7
57.5°	1683.1	1696.3	1699.4	1693.9	1699.4	1696.3	1683.1	1663.1	1636.1	1604.0	1564.8
55°	1958.5	1975.3	1981.8	1978.7	1981.8	1975.3	1958.5	1933.2	1899.7	1860.3	1813.2
52.5°	2249.6	2267.8	2274.2	2269.6	2274.2	2267.8	2249.6	2221.3	2182.8	2134.4	2078.0
50°	2552.0	2574.0	2582.9	2578.7	2582.9	2574.0	2552.0	2519.2	2474.5	2417.6	2352.0
47.5°	2872.9	2902.2	2913.6	2905.9	2913.6	2902.2	2872.9	2831.6	2778.8	2712.0	2630.1
45°	3210.7	3241.1	3252.9	3245.3	3252.9	3241.1	3210.7	3164.5	3102.8	3029.2	2945.2
42.5°	3554.5	3594.0	3610.7	3596.8	3610.7	3594.0	3554.5	3500.8	3430.6	3347.0	3251.2
40°	3904.3	3947.2	3967.0	3957.4	3967.0	3947.2	3904.3	3842.5	3759.8	3660.5	3552.5
37.5°	4263.1	4305.8	4326.8	4327.1	4326.8	4305.8	4263.1	4196.8	4105.0	3991.8	3869.9
35°	4623.4	4675.0	4704.3	4702.8	4704.3	4675.0	4623.4	4550.5	4456.5	4341.9	4198.2
32.5°	4988.5	5044.4	5074.3	5078.6	5074.3	5044.4	4988.5	4903.1	4795.0	4669.1	4521.3
30°	5353.1	5414.6	5449.2	5463.4	5449.2	5414.6	5353.1	5258.4	5137.2	4999.4	4840.5
27.5°	5706.7	5782.3	5834.5	5839.1	5834.5	5782.3	5706.7	5609.8	5482.1	5332.3	5158.8
25°	6049.1	6126.2	6179.7	6190.6	6179.7	6126.2	6049.1	5952.7	5821.4	5657.0	5471.7
22.5°	6386.6	6467.1	6516.6	6536.1	6516.6	6467.1	6386.6	6278.6	6133.3	5961.5	5765.1
20°	6708.8	6796.1	6848.5	6869.4	6848.5	6796.1	6708.8	6590.1	6429.9	6247.0	6039.2
17.5°	7000.3	7092.5	7157.2	7175.4	7157.2	7092.5	7000.3	6874.7	6706.9	6512.6	6288.5
15°	7256.8	7344.3	7405.7	7430.0	7405.7	7344.3	7256.8	7133.6	6963.4	6753.3	6504.4
12.5°	7465.6	7543.8	7591.9	7614.8	7591.9	7543.8	7465.6	7348.0	7191.5	6955.6	6694.2
10°	7628.7	7707.2	7753.2	7784.5	7753.2	7707.2	7628.7	7519.3	7344.6	7133.3	6876.4
7.5°	7770.3	7850.7	7906.9	7951.2	7906.9	7850.7	7770.3	7622.5	7466.8	7267.7	7008.3
5°	7848.4	7982.7	8002.9	8033.0	8002.9	7982.7	7848.4	7714.6	7544.7	7342.2	7089.0
2.5°	7908.0	8003.2	8060.5	8054.2	8060.5	8003.2	7908.0	7750.6	7588.0	7402.4	7157.2
0°	7951.2	8036.0	8057.2	8084.5	8057.2	8036.0	7951.2	7793.6	7623.9	7439.1	7184.5
-2.5°	7908.0	8003.2	8060.5	8054.2	8060.5	8003.2	7908.0	7750.6	7588.0	7402.4	7157.2
-5°	7848.4	7982.7	8002.9	8033.0	8002.9	7982.7	7848.4	7714.6	7544.7	7342.2	7089.0
-7.5°	7770.3	7850.7	7906.9	7951.2	7906.9	7850.7	7770.3	7622.5	7466.8	7267.7	7008.3
-10°	7628.7	7707.2	7753.2	7784.5	7753.2	7707.2	7628.7	7519.3	7344.6	7133.3	6876.4
-12.5°	7465.6	7543.8	7591.9	7614.8	7591.9	7543.8	7465.6	7348.0	7191.5	6955.6	6694.2
-15°	7256.8	7344.3	7405.7	7430.0	7405.7	7344.3	7256.8	7133.6	6963.4	6753.3	6504.4
-17.5°	7000.3	7092.5	7157.2	7175.4	7157.2	7092.5	7000.3	6874.7	6706.9	6512.6	6288.5
-20°	6708.8	6796.1	6848.5	6869.4	6848.5	6796.1	6708.8	6590.1	6429.9	6247.0	6039.2



REPORT NUMBER: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6386.6	6467.1	6516.6	6536.1	6516.6	6467.1	6386.6	6278.6	6133.3	5961.5	5765.1
-25°	6049.1	6126.2	6179.7	6190.6	6179.7	6126.2	6049.1	5952.7	5821.4	5657.0	5471.7
-27.5°	5706.7	5782.3	5834.5	5839.1	5834.5	5782.3	5706.7	5609.8	5482.1	5332.3	5158.8
-30°	5353.1	5414.6	5449.2	5463.4	5449.2	5414.6	5353.1	5258.4	5137.2	4999.4	4840.5
-32.5°	4988.5	5044.4	5074.3	5078.6	5074.3	5044.4	4988.5	4903.1	4795.0	4669.1	4521.3
-35°	4623.4	4675.0	4704.3	4702.8	4704.3	4675.0	4623.4	4550.5	4456.5	4341.9	4198.2
-37.5°	4263.1	4305.8	4326.8	4327.1	4326.8	4305.8	4263.1	4196.8	4105.0	3991.8	3869.9
-40°	3904.3	3947.2	3967.0	3957.4	3967.0	3947.2	3904.3	3842.5	3759.8	3660.5	3552.5
-42.5°	3554.5	3594.0	3610.7	3596.8	3610.7	3594.0	3554.5	3500.8	3430.6	3347.0	3251.2
-45°	3210.7	3241.1	3252.9	3245.3	3252.9	3241.1	3210.7	3164.5	3102.8	3029.2	2945.2
-47.5°	2872.9	2902.2	2913.6	2905.9	2913.6	2902.2	2872.9	2831.6	2778.8	2712.0	2630.1
-50°	2552.0	2574.0	2582.9	2578.7	2582.9	2574.0	2552.0	2519.2	2474.5	2417.6	2352.0
-52.5°	2249.6	2267.8	2274.2	2269.6	2274.2	2267.8	2249.6	2221.3	2182.8	2134.4	2078.0
-55°	1958.5	1975.3	1981.8	1978.7	1981.8	1975.3	1958.5	1933.2	1899.7	1860.3	1813.2
-57.5°	1683.1	1696.3	1699.4	1693.9	1699.4	1696.3	1683.1	1663.1	1636.1	1604.0	1564.8
-60°	1433.5	1443.8	1448.9	1448.4	1448.9	1443.8	1433.5	1417.7	1396.6	1370.3	1338.7
-62.5°	1202.8	1209.3	1212.9	1212.1	1212.9	1209.3	1202.8	1191.5	1175.6	1155.7	1132.5
-65°	985.1	987.4	986.6	981.8	986.6	987.4	985.1	978.9	968.8	956.2	940.9
-67.5°	794.9	795.1	798.5	800.0	798.5	795.1	794.9	791.5	785.1	776.7	766.9
-70°	630.4	629.4	630.7	630.3	630.7	629.4	630.4	629.6	627.5	624.4	619.8
-72.5°	490.1	482.3	475.2	466.6	475.2	482.3	490.1	496.7	502.5	505.8	502.5
-75°	366.2	350.3	340.7	330.3	340.7	350.3	366.2	381.2	395.4	406.3	405.2
-77.5°	265.2	244.8	236.2	227.3	236.2	244.8	265.2	284.5	302.8	318.0	319.1
-80°	178.7	160.2	152.9	145.4	152.9	160.2	178.7	196.4	213.2	228.0	232.0
-82.5°	107.3	93.6	89.3	84.8	89.3	93.6	107.3	120.4	132.9	144.2	145.4
-85°	53.2	45.3	42.4	39.4	42.4	45.3	53.2	60.7	67.8	74.2	71.9
-87.5°	9.8	9.1	9.1	9.1	9.1	9.1	9.8	10.4	11.1	11.7	11.5
-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: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.4	11.2	11.0	10.7	10.5	10.2	9.9	9.6	9.3	8.9	8.6
85°	69.4	66.7	63.8	60.8	57.5	54.2	50.6	44.4	38.5	33.2	28.5
82.5°	145.7	145.0	143.0	134.7	126.4	118.1	109.3	96.2	83.4	70.9	60.0
80°	234.8	236.4	234.9	221.2	207.3	193.3	178.4	159.3	140.0	121.7	107.9
77.5°	319.8	320.2	317.6	303.9	289.0	272.6	253.9	230.9	207.9	184.7	167.0
75°	403.2	400.4	394.7	382.2	367.2	349.5	331.2	311.0	287.5	260.4	237.2
72.5°	497.7	491.3	482.3	470.0	455.5	439.9	420.9	398.6	373.9	346.9	322.4
70°	612.5	602.3	588.9	572.2	555.8	538.6	518.2	493.6	464.9	435.0	407.7
67.5°	754.2	738.6	719.7	699.5	679.0	655.1	627.7	597.8	568.1	535.0	497.5
65°	922.0	899.4	871.9	845.8	817.3	786.2	751.2	716.4	680.1	640.4	592.8
62.5°	1106.4	1077.7	1040.4	1002.5	963.8	923.9	881.0	838.3	794.9	748.0	694.5
60°	1301.8	1259.1	1216.2	1169.2	1118.1	1064.6	1015.8	963.9	909.1	856.0	797.3
57.5°	1518.5	1466.0	1409.9	1349.9	1286.5	1224.0	1160.8	1095.6	1033.5	968.8	902.4
55°	1758.7	1696.7	1626.3	1549.0	1468.9	1396.4	1317.4	1238.3	1163.6	1085.0	1011.8
52.5°	2014.5	1940.3	1858.6	1770.8	1679.8	1585.6	1489.6	1398.7	1301.4	1212.5	1124.1
50°	2278.4	2193.3	2099.2	1998.4	1897.0	1787.8	1677.9	1568.7	1458.5	1349.5	1243.5
47.5°	2546.2	2454.2	2349.6	2238.0	2122.0	2000.0	1875.0	1743.5	1621.7	1495.2	1374.9
45°	2840.7	2727.1	2609.9	2487.0	2354.4	2219.9	2079.5	1935.7	1789.1	1650.0	1508.8
42.5°	3137.0	3009.2	2873.6	2738.4	2593.8	2443.1	2286.7	2128.1	1967.0	1806.5	1652.3
40°	3432.0	3293.8	3145.9	2991.4	2833.7	2667.7	2496.4	2320.1	2145.1	1968.7	1794.2
37.5°	3733.8	3584.4	3424.3	3254.2	3077.5	2893.6	2705.1	2514.2	2321.3	2131.5	1942.2
35°	4043.4	3879.8	3703.1	3517.3	3322.9	3121.5	2914.8	2705.7	2498.1	2292.8	2087.8
32.5°	4350.1	4173.0	3982.4	3779.0	3565.0	3345.9	3123.6	2897.8	2670.6	2451.4	2233.0
30°	4659.5	4463.3	4256.9	4037.1	3805.1	3566.5	3325.7	3086.5	2844.4	2603.1	2372.1
27.5°	4962.6	4748.5	4524.2	4286.6	4038.7	3782.7	3524.0	3268.7	3010.4	2753.9	2504.9
25°	5257.6	5026.4	4778.9	4525.2	4262.4	3989.4	3711.4	3441.3	3171.6	2897.1	2624.0
22.5°	5541.5	5288.4	5021.7	4750.2	4473.8	4187.0	3890.5	3599.4	3320.3	3025.5	2740.1
20°	5803.3	5531.5	5246.8	4960.8	4668.4	4375.0	4057.3	3747.6	3447.5	3144.8	2845.4
17.5°	6035.6	5759.5	5460.7	5159.4	4848.0	4539.1	4213.2	3882.6	3564.5	3250.8	2938.0
15°	6240.3	5964.4	5661.9	5344.1	5011.8	4674.4	4345.3	4001.9	3671.2	3344.5	3023.7
12.5°	6426.2	6137.4	5835.3	5499.2	5146.4	4794.4	4452.1	4106.3	3766.1	3430.3	3100.8
10°	6593.1	6279.1	5959.5	5618.9	5259.0	4895.7	4543.2	4194.2	3846.8	3503.6	3164.3
7.5°	6707.5	6384.3	6054.0	5714.5	5354.1	4985.1	4622.0	4264.7	3909.7	3562.1	3213.8
5°	6791.9	6467.3	6135.9	5791.7	5427.9	5051.8	4680.1	4315.9	3954.5	3604.9	3249.1
2.5°	6856.8	6523.9	6191.8	5840.0	5475.7	5096.8	4721.7	4354.4	3990.1	3636.2	3280.3
0°	6902.7	6545.2	6224.0	5878.5	5505.8	5124.0	4748.3	4378.6	4011.9	3651.3	3296.8
-2.5°	6856.8	6523.9	6191.8	5840.0	5475.7	5096.8	4721.7	4354.4	3990.1	3636.2	3280.3
-5°	6791.9	6467.3	6135.9	5791.7	5427.9	5051.8	4680.1	4315.9	3954.5	3604.9	3249.1
-7.5°	6707.5	6384.3	6054.0	5714.5	5354.1	4985.1	4622.0	4264.7	3909.7	3562.1	3213.8
-10°	6593.1	6279.1	5959.5	5618.9	5259.0	4895.7	4543.2	4194.2	3846.8	3503.6	3164.3
-12.5°	6426.2	6137.4	5835.3	5499.2	5146.4	4794.4	4452.1	4106.3	3766.1	3430.3	3100.8
-15°	6240.3	5964.4	5661.9	5344.1	5011.8	4674.4	4345.3	4001.9	3671.2	3344.5	3023.7
-17.5°	6035.6	5759.5	5460.7	5159.4	4848.0	4539.1	4213.2	3882.6	3564.5	3250.8	2938.0
-20°	5803.3	5531.5	5246.8	4960.8	4668.4	4375.0	4057.3	3747.6	3447.5	3144.8	2845.4

Classified

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

Scaled Data Report



REPORT NUMBER: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA3C-727-U-VWR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5541.5	5288.4	5021.7	4750.2	4473.8	4187.0	3890.5	3599.4	3320.3	3025.5	2740.1
-25°	5257.6	5026.4	4778.9	4525.2	4262.4	3989.4	3711.4	3441.3	3171.6	2897.1	2624.0
-27.5°	4962.6	4748.5	4524.2	4286.6	4038.7	3782.7	3524.0	3268.7	3010.4	2753.9	2504.9
-30°	4659.5	4463.3	4256.9	4037.1	3805.1	3566.5	3325.7	3086.5	2844.4	2603.1	2372.1
-32.5°	4350.1	4173.0	3982.4	3779.0	3565.0	3345.9	3123.6	2897.8	2670.6	2451.4	2233.0
-35°	4043.4	3879.8	3703.1	3517.3	3322.9	3121.5	2914.8	2705.7	2498.1	2292.8	2087.8
-37.5°	3733.8	3584.4	3424.3	3254.2	3077.5	2893.6	2705.1	2514.2	2321.3	2131.5	1942.2
-40°	3432.0	3293.8	3145.9	2991.4	2833.7	2667.7	2496.4	2320.1	2145.1	1968.7	1794.2
-42.5°	3137.0	3009.2	2873.6	2738.4	2593.8	2443.1	2286.7	2128.1	1967.0	1806.5	1652.3
-45°	2840.7	2727.1	2609.9	2487.0	2354.4	2219.9	2079.5	1935.7	1789.1	1650.0	1508.8
-47.5°	2546.2	2454.2	2349.6	2238.0	2122.0	2000.0	1875.0	1743.5	1621.7	1495.2	1374.9
-50°	2278.4	2193.3	2099.2	1998.4	1897.0	1787.8	1677.9	1568.7	1458.5	1349.5	1243.5
-52.5°	2014.5	1940.3	1858.6	1770.8	1679.8	1585.6	1489.6	1398.7	1301.4	1212.5	1124.1
-55°	1758.7	1696.7	1626.3	1549.0	1468.9	1396.4	1317.4	1238.3	1163.6	1085.0	1011.8
-57.5°	1518.5	1466.0	1409.9	1349.9	1286.5	1224.0	1160.8	1095.6	1033.5	968.8	902.4
-60°	1301.8	1259.1	1216.2	1169.2	1118.1	1064.6	1015.8	963.9	909.1	856.0	797.3
-62.5°	1106.4	1077.7	1040.4	1002.5	963.8	923.9	881.0	838.3	794.9	748.0	694.5
-65°	922.0	899.4	871.9	845.8	817.3	786.2	751.2	716.4	680.1	640.4	592.8
-67.5°	754.2	738.6	719.7	699.5	679.0	655.1	627.7	597.8	568.1	535.0	497.5
-70°	612.5	602.3	588.9	572.2	555.8	538.6	518.2	493.6	464.9	435.0	407.7
-72.5°	497.7	491.3	482.3	470.0	455.5	439.9	420.9	398.6	373.9	346.9	322.4
-75°	403.2	400.4	394.7	382.2	367.2	349.5	331.2	311.0	287.5	260.4	237.2
-77.5°	319.8	320.2	317.6	303.9	289.0	272.6	253.9	230.9	207.9	184.7	167.0
-80°	234.8	236.4	234.9	221.2	207.3	193.3	178.4	159.3	140.0	121.7	107.9
-82.5°	145.7	145.0	143.0	134.7	126.4	118.1	109.3	96.2	83.4	70.9	60.0
-85°	69.4	66.7	63.8	60.8	57.5	54.2	50.6	44.4	38.5	33.2	28.5
-87.5°	11.4	11.2	11.0	10.7	10.5	10.2	9.9	9.6	9.3	8.9	8.6
-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: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA3C-727-U-VWR-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°	8.7	8.8	8.8	8.7	7.7	6.8	5.9	5.1	4.6	4.1	3.6
85°	28.6	28.0	26.5	24.0	18.9	13.6	11.9	10.2	9.3	8.3	7.3
82.5°	59.8	60.5	60.4	58.7	51.8	44.5	36.9	29.0	21.5	13.6	10.9
80°	108.1	106.9	104.4	99.4	88.1	75.3	65.7	55.7	45.9	35.7	25.1
77.5°	163.4	158.7	153.0	146.5	134.5	120.4	104.2	85.8	70.3	57.7	44.7
75°	225.2	217.7	209.7	198.9	183.5	165.8	148.0	126.6	102.8	80.4	64.0
72.5°	302.7	284.7	268.6	253.5	236.8	217.0	194.3	166.6	137.7	110.5	84.9
70°	381.2	354.2	330.1	309.5	289.4	268.7	243.7	209.7	172.1	139.9	109.8
67.5°	460.9	429.0	396.8	365.9	340.5	316.2	292.1	252.5	209.4	168.8	134.2
65°	548.9	506.3	465.4	427.3	392.8	362.4	334.1	292.6	245.6	200.0	157.9
62.5°	639.5	585.2	536.8	488.2	445.2	408.2	374.2	328.5	280.3	230.1	182.7
60°	734.8	673.0	608.5	551.8	499.1	452.3	411.2	363.8	312.6	259.1	207.3
57.5°	835.1	762.5	690.1	618.3	555.0	498.9	447.2	397.3	344.5	287.7	230.2
55°	936.8	858.5	772.9	692.0	614.4	547.6	485.2	429.4	375.2	315.8	250.1
52.5°	1038.6	952.5	860.7	767.3	680.4	596.8	527.1	460.8	403.5	343.3	270.6
50°	1145.0	1046.4	948.0	847.1	746.0	654.5	567.5	496.7	430.9	369.3	290.2
47.5°	1255.9	1146.0	1036.4	926.1	817.8	709.6	614.7	531.9	457.5	392.9	308.4
45°	1377.3	1248.8	1127.5	1008.3	885.7	769.2	662.5	565.5	487.6	411.3	325.1
42.5°	1498.7	1357.4	1221.9	1089.2	956.8	828.4	707.8	605.2	516.3	428.9	340.5
40°	1627.8	1466.3	1316.1	1172.1	1026.3	884.7	758.0	643.8	543.3	447.1	355.1
37.5°	1753.3	1578.0	1412.9	1251.3	1094.3	945.5	806.2	680.1	568.9	467.7	369.0
35°	1886.2	1690.1	1502.4	1331.0	1164.4	1003.2	851.4	716.6	598.3	487.7	382.0
32.5°	2014.5	1799.8	1598.5	1409.7	1231.3	1057.5	897.9	755.2	626.7	507.1	394.2
30°	2140.7	1909.9	1690.5	1484.0	1296.1	1114.5	944.4	791.4	653.7	525.8	406.4
27.5°	2256.9	2011.9	1778.8	1560.9	1359.8	1168.6	988.5	824.9	679.4	545.1	420.6
25°	2365.3	2110.0	1865.8	1634.8	1418.9	1219.8	1029.0	855.9	705.5	565.2	433.7
22.5°	2466.9	2201.0	1944.6	1703.0	1473.7	1266.9	1068.5	888.9	730.3	583.7	445.8
20°	2559.3	2283.1	2015.2	1764.7	1526.9	1311.7	1106.5	918.5	752.4	600.5	456.7
17.5°	2642.6	2358.0	2082.6	1822.4	1576.6	1351.6	1140.3	944.6	771.8	615.4	466.2
15°	2719.8	2426.2	2142.1	1872.8	1619.5	1386.2	1169.7	967.1	788.5	628.5	475.3
12.5°	2786.2	2484.7	2192.7	1915.6	1655.7	1415.6	1194.5	986.0	802.3	640.2	483.9
10°	2840.9	2533.0	2234.0	1950.6	1684.9	1439.5	1214.8	1001.9	815.2	650.4	490.5
7.5°	2883.4	2570.8	2265.8	1977.6	1708.1	1459.5	1231.9	1015.6	825.7	658.2	495.1
5°	2915.7	2600.3	2293.4	2000.2	1729.5	1475.6	1244.5	1025.4	833.3	663.5	497.7
2.5°	2944.3	2622.5	2315.2	2014.8	1744.0	1486.1	1252.0	1031.3	837.9	666.4	498.3
0°	2960.5	2633.2	2327.2	2021.1	1751.4	1490.8	1254.5	1033.3	839.4	666.6	496.9
-2.5°	2944.3	2622.5	2315.2	2014.8	1744.0	1486.1	1252.0	1031.3	837.9	666.4	498.3
-5°	2915.7	2600.3	2293.4	2000.2	1729.5	1475.6	1244.5	1025.4	833.3	663.5	497.7
-7.5°	2883.4	2570.8	2265.8	1977.6	1708.1	1459.5	1231.9	1015.6	825.7	658.2	495.1
-10°	2840.9	2533.0	2234.0	1950.6	1684.9	1439.5	1214.8	1001.9	815.2	650.4	490.5
-12.5°	2786.2	2484.7	2192.7	1915.6	1655.7	1415.6	1194.5	986.0	802.3	640.2	483.9
-15°	2719.8	2426.2	2142.1	1872.8	1619.5	1386.2	1169.7	967.1	788.5	628.5	475.3
-17.5°	2642.6	2358.0	2082.6	1822.4	1576.6	1351.6	1140.3	944.6	771.8	615.4	466.2
-20°	2559.3	2283.1	2015.2	1764.7	1526.9	1311.7	1106.5	918.5	752.4	600.5	456.7

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REPORT NUMBER: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2466.9	2201.0	1944.6	1703.0	1473.7	1266.9	1068.5	888.9	730.3	583.7	445.8
-25°	2365.3	2110.0	1865.8	1634.8	1418.9	1219.8	1029.0	855.9	705.5	565.2	433.7
-27.5°	2256.9	2011.9	1778.8	1560.9	1359.8	1168.6	988.5	824.9	679.4	545.1	420.6
-30°	2140.7	1909.9	1690.5	1484.0	1296.1	1114.5	944.4	791.4	653.7	525.8	406.4
-32.5°	2014.5	1799.8	1598.5	1409.7	1231.3	1057.5	897.9	755.2	626.7	507.1	394.2
-35°	1886.2	1690.1	1502.4	1331.0	1164.4	1003.2	851.4	716.6	598.3	487.7	382.0
-37.5°	1753.3	1578.0	1412.9	1251.3	1094.3	945.5	806.2	680.1	568.9	467.7	369.0
-40°	1627.8	1466.3	1316.1	1172.1	1026.3	884.7	758.0	643.8	543.3	447.1	355.1
-42.5°	1498.7	1357.4	1221.9	1089.2	956.8	828.4	707.8	605.2	516.3	428.9	340.5
-45°	1377.3	1248.8	1127.5	1008.3	885.7	769.2	662.5	565.5	487.6	411.3	325.1
-47.5°	1255.9	1146.0	1036.4	926.1	817.8	709.6	614.7	531.9	457.5	392.9	308.4
-50°	1145.0	1046.4	948.0	847.1	746.0	654.5	567.5	496.7	430.9	369.3	290.2
-52.5°	1038.6	952.5	860.7	767.3	680.4	596.8	527.1	460.8	403.5	343.3	270.6
-55°	936.8	858.5	772.9	692.0	614.4	547.6	485.2	429.4	375.2	315.8	250.1
-57.5°	835.1	762.5	690.1	618.3	555.0	498.9	447.2	397.3	344.5	287.7	230.2
-60°	734.8	673.0	608.5	551.8	499.1	452.3	411.2	363.8	312.6	259.1	207.3
-62.5°	639.5	585.2	536.8	488.2	445.2	408.2	374.2	328.5	280.3	230.1	182.7
-65°	548.9	506.3	465.4	427.3	392.8	362.4	334.1	292.6	245.6	200.0	157.9
-67.5°	460.9	429.0	396.8	365.9	340.5	316.2	292.1	252.5	209.4	168.8	134.2
-70°	381.2	354.2	330.1	309.5	289.4	268.7	243.7	209.7	172.1	139.9	109.8
-72.5°	302.7	284.7	268.6	253.5	236.8	217.0	194.3	166.6	137.7	110.5	84.9
-75°	225.2	217.7	209.7	198.9	183.5	165.8	148.0	126.6	102.8	80.4	64.0
-77.5°	163.4	158.7	153.0	146.5	134.5	120.4	104.2	85.8	70.3	57.7	44.7
-80°	108.1	106.9	104.4	99.4	88.1	75.3	65.7	55.7	45.9	35.7	25.1
-82.5°	59.8	60.5	60.4	58.7	51.8	44.5	36.9	29.0	21.5	13.6	10.9
-85°	28.6	28.0	26.5	24.0	18.9	13.6	11.9	10.2	9.3	8.3	7.3
-87.5°	8.7	8.8	8.8	8.7	7.7	6.8	5.9	5.1	4.6	4.1	3.6
-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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REPORT NUMBER: P627141 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	3.1	2.6	2.1	1.6	1.1	0.5	0.0
85°	6.3	5.2	4.2	3.2	2.1	0.9	0.0
82.5°	9.4	7.8	6.3	4.7	3.1	1.4	0.0
80°	14.1	10.4	8.4	6.3	4.2	1.8	0.0
77.5°	30.8	16.4	10.4	7.8	5.2	2.3	0.0
75°	47.0	28.3	13.6	9.4	6.2	2.7	0.0
72.5°	62.8	39.9	21.7	10.9	7.2	3.2	0.0
70°	78.5	51.2	29.5	13.0	8.1	3.6	0.0
67.5°	97.4	61.9	37.0	17.9	9.1	4.0	0.0
65°	115.4	73.9	44.2	22.5	10.0	4.4	0.0
62.5°	132.5	87.1	51.0	27.0	10.9	4.8	0.0
60°	148.7	99.5	57.4	31.2	11.7	5.2	0.0
57.5°	165.7	111.2	65.9	35.1	14.1	5.6	0.0
55°	181.8	122.1	74.0	38.8	16.4	5.9	0.0
52.5°	196.8	132.4	81.6	42.2	18.6	6.3	0.0
50°	210.4	143.3	88.5	45.3	20.7	6.6	0.0
47.5°	223.3	153.4	94.9	48.6	22.7	6.9	0.0
45°	237.5	162.4	100.6	52.8	24.7	7.2	0.0
42.5°	250.6	170.4	105.6	56.6	26.5	7.5	0.0
40°	262.4	177.4	110.7	60.5	28.2	7.7	0.0
37.5°	273.0	183.4	115.7	64.3	29.8	7.9	0.0
35°	282.4	190.3	120.0	67.9	31.3	8.2	0.0
32.5°	291.0	197.3	123.6	71.2	32.7	8.4	0.0
30°	300.0	203.2	126.5	74.3	33.9	8.5	0.0
27.5°	308.1	208.1	130.9	77.0	35.0	8.7	0.0
25°	315.2	212.0	134.9	79.5	36.0	8.8	0.0
22.5°	321.3	215.9	138.5	81.6	36.9	8.9	0.0
20°	326.3	221.2	141.6	83.5	37.7	9.0	0.0
17.5°	332.6	225.6	144.2	85.1	38.3	9.1	0.0
15°	339.2	229.0	146.3	86.3	38.9	9.2	0.0
12.5°	344.5	231.5	147.9	87.3	39.3	9.2	0.0
10°	348.5	233.0	149.0	88.0	39.5	9.2	0.0
7.5°	351.3	233.6	149.6	88.4	39.7	9.2	0.0
5°	352.7	233.4	149.7	88.5	39.7	9.2	0.0
2.5°	352.8	232.2	149.3	88.4	39.6	9.2	0.0
0°	351.5	230.3	148.5	87.9	39.4	9.1	0.0
-2.5°	352.8	232.2	149.3	88.4	39.6	9.2	0.0
-5°	352.7	233.4	149.7	88.5	39.7	9.2	0.0
-7.5°	351.3	233.6	149.6	88.4	39.7	9.2	0.0
-10°	348.5	233.0	149.0	88.0	39.5	9.2	0.0
-12.5°	344.5	231.5	147.9	87.3	39.3	9.2	0.0
-15°	339.2	229.0	146.3	86.3	38.9	9.2	0.0
-17.5°	332.6	225.6	144.2	85.1	38.3	9.1	0.0
-20°	326.3	221.2	141.6	83.5	37.7	9.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	321.3	215.9	138.5	81.6	36.9	8.9	0.0
-25°	315.2	212.0	134.9	79.5	36.0	8.8	0.0
-27.5°	308.1	208.1	130.9	77.0	35.0	8.7	0.0
-30°	300.0	203.2	126.5	74.3	33.9	8.5	0.0
-32.5°	291.0	197.3	123.6	71.2	32.7	8.4	0.0
-35°	282.4	190.3	120.0	67.9	31.3	8.2	0.0
-37.5°	273.0	183.4	115.7	64.3	29.8	7.9	0.0
-40°	262.4	177.4	110.7	60.5	28.2	7.7	0.0
-42.5°	250.6	170.4	105.6	56.6	26.5	7.5	0.0
-45°	237.5	162.4	100.6	52.8	24.7	7.2	0.0
-47.5°	223.3	153.4	94.9	48.6	22.7	6.9	0.0
-50°	210.4	143.3	88.5	45.3	20.7	6.6	0.0
-52.5°	196.8	132.4	81.6	42.2	18.6	6.3	0.0
-55°	181.8	122.1	74.0	38.8	16.4	5.9	0.0
-57.5°	165.7	111.2	65.9	35.1	14.1	5.6	0.0
-60°	148.7	99.5	57.4	31.2	11.7	5.2	0.0
-62.5°	132.5	87.1	51.0	27.0	10.9	4.8	0.0
-65°	115.4	73.9	44.2	22.5	10.0	4.4	0.0
-67.5°	97.4	61.9	37.0	17.9	9.1	4.0	0.0
-70°	78.5	51.2	29.5	13.0	8.1	3.6	0.0
-72.5°	62.8	39.9	21.7	10.9	7.2	3.2	0.0
-75°	47.0	28.3	13.6	9.4	6.2	2.7	0.0
-77.5°	30.8	16.4	10.4	7.8	5.2	2.3	0.0
-80°	14.1	10.4	8.4	6.3	4.2	1.8	0.0
-82.5°	9.4	7.8	6.3	4.7	3.1	1.4	0.0
-85°	6.3	5.2	4.2	3.2	2.1	0.9	0.0
-87.5°	3.1	2.6	2.1	1.6	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)