

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: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-727-U-WR-XX

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P627443 (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: 5/9/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4D-727-U-WR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQUARE, WIDE SYMMETRICAL ROUND N90  
Light Source: (64) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

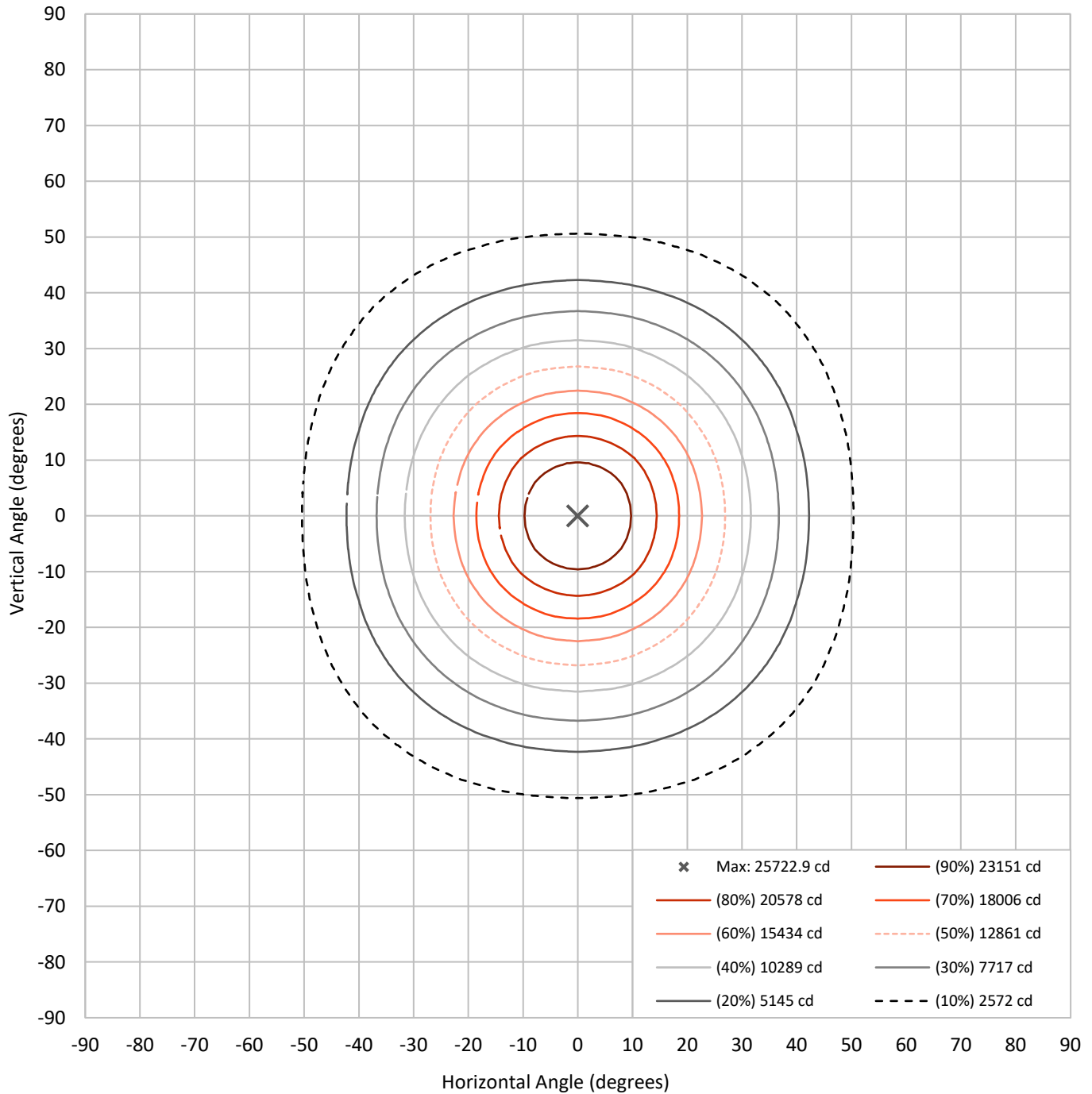
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	26179.9 lumens	Max Intensity:	25722.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	118.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' 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:	12517.6 lumens	Field Lumens:	23104.7 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	221.4		
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





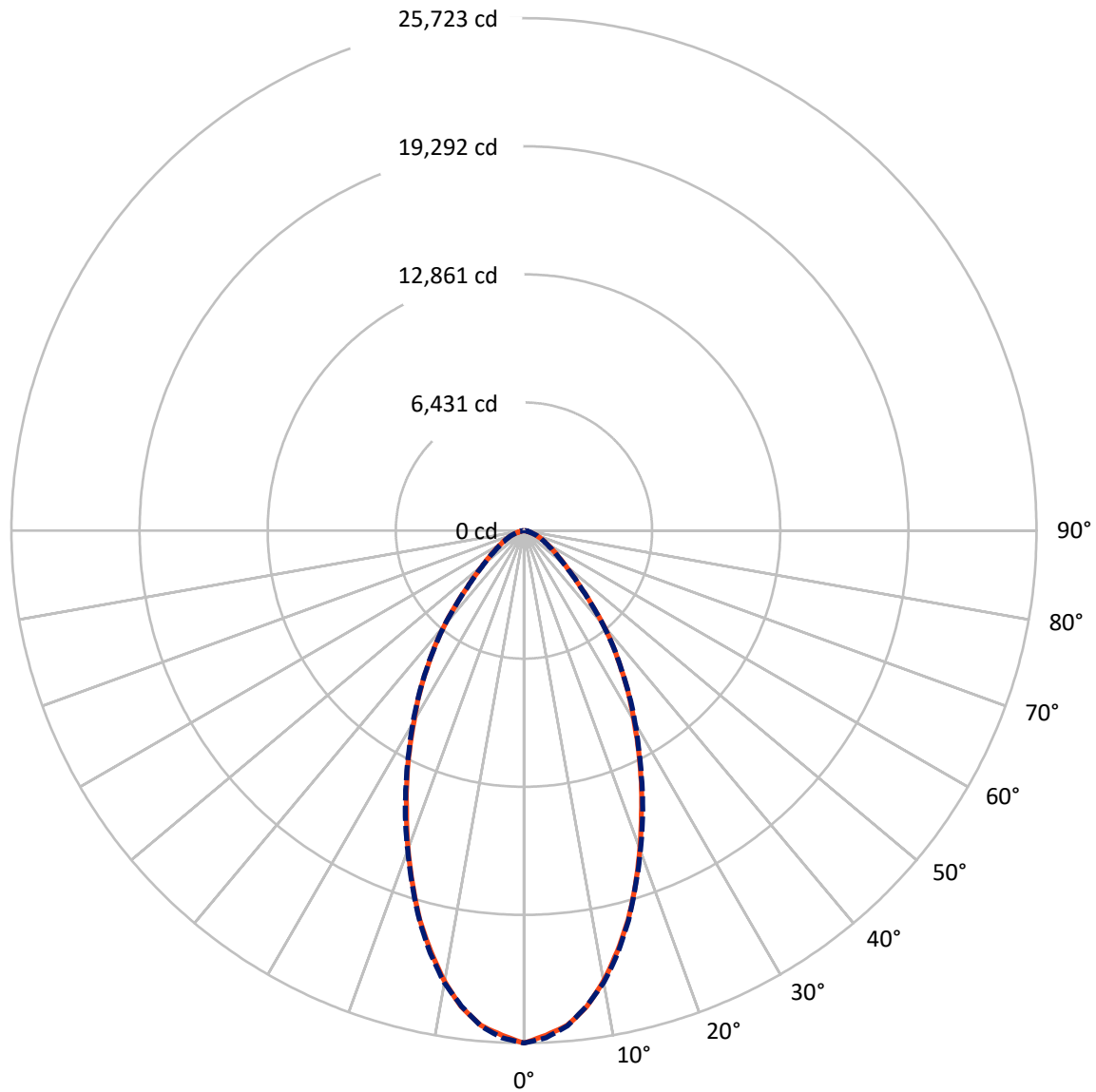
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### Lumen Table

90																			
80	1.0	7.2	16.5	27.4	23.5	27.4	16.5	7.2	1.0										
70																			
60	3.4	4.0	7.5	12.0	17.4	22.7	26.6	28.5	28.5	26.6	22.7	17.4	12.0	7.5	4.0	3.4			
50		5.6	11.4	19.7	30.1	41.4	51.7	57.7	57.7	51.7	41.4	30.1	19.7	11.4	5.6				
40	5.0	7.2	15.7	29.3	49.4	76.0	104.8	124.0	124.0	104.8	76.0	49.4	29.3	15.7	7.2	5.0			
30		8.8	20.6	42.6	83.0	147.3	214.1	253.9	253.9	214.1	147.3	83.0	42.6	20.6	8.8				
20	5.9	10.2	25.6	59.7	134.1	241.1	345.0	412.4	412.4	345.0	241.1	134.1	59.7	25.6	10.2	5.9			
10		11.4	30.0	77.4	183.1	325.6	480.7	591.4	591.4	480.7	325.6	183.1	77.4	30.0	11.4				
0	6.2	11.9	32.5	88.9	210.8	378.5	576.0	724.4	724.4	576.0	378.5	210.8	88.9	32.5	11.9	6.2			
-10		11.9	32.5	88.9	210.8	378.5	576.0	724.4	724.4	576.0	378.5	210.8	88.9	32.5	11.9				
-20	5.9	11.4	30.0	77.4	183.1	325.6	480.7	591.4	591.4	480.7	325.6	183.1	77.4	30.0	11.4	5.9			
-30		10.2	25.6	59.7	134.1	241.1	345.0	412.4	412.4	345.0	241.1	134.1	59.7	25.6	10.2				
-40	5.0	8.8	20.6	42.6	83.0	147.3	214.1	253.9	253.9	214.1	147.3	83.0	42.6	20.6	8.8	5.0			
-50		7.2	15.7	29.3	49.4	76.0	104.8	124.0	124.0	104.8	76.0	49.4	29.3	15.7	7.2				
-60	3.4	5.6	11.4	19.7	30.1	41.4	51.7	57.7	57.7	51.7	41.4	30.1	19.7	11.4	5.6	3.4			
-70		4.0	7.5	12.0	17.4	22.7	26.6	28.5	28.5	26.6	22.7	17.4	12.0	7.5	4.0				
-80	1.0	7.2	16.5	27.4	23.5	27.4	16.5	7.2	1.0										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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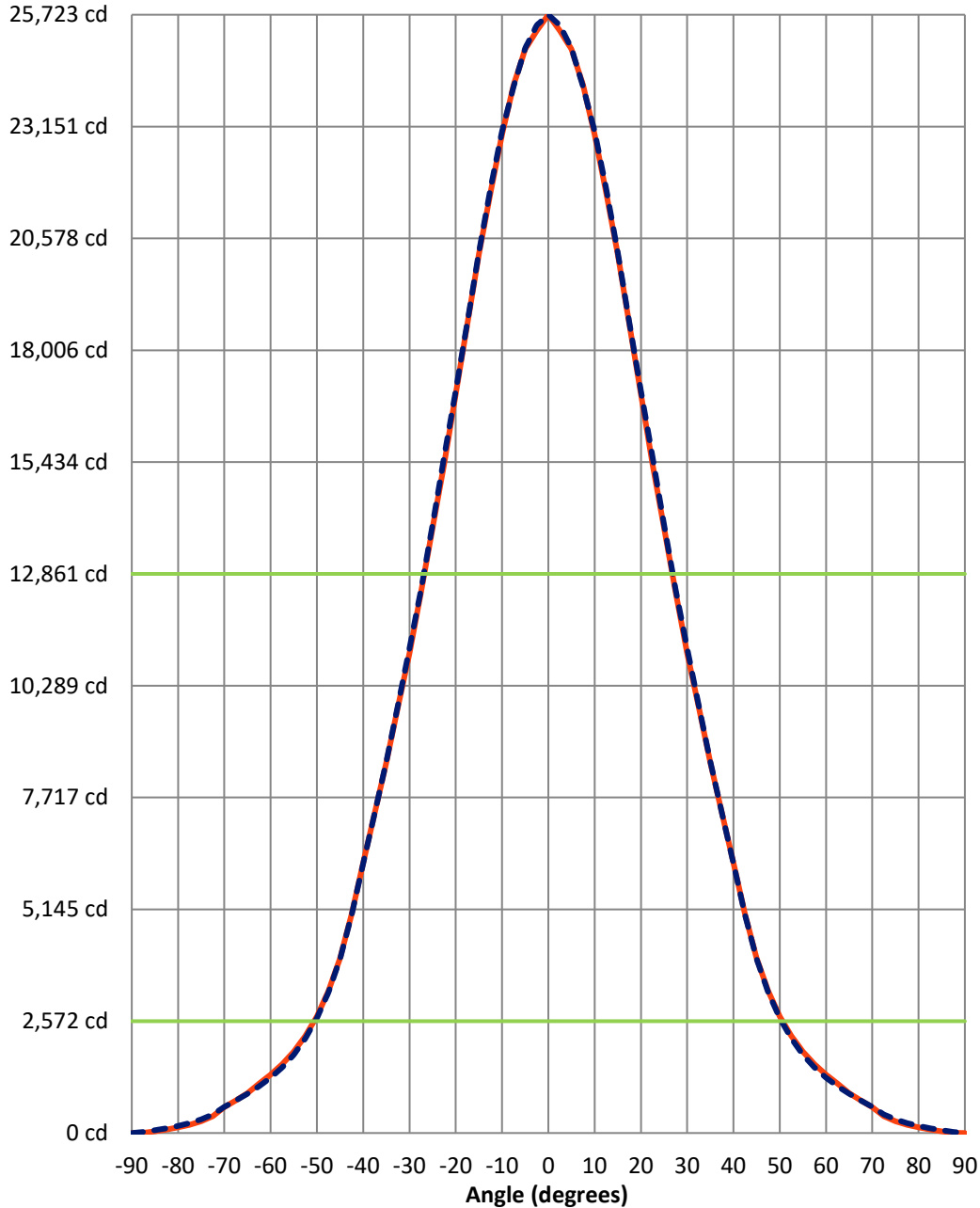
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 53.8°  
V Angle: 53.6°  
Lumens: 12517.6  
Efficiency: 47.8%

**Field:**  
H Angle: 100.8°  
V Angle: 101.2°  
Lumens: 23104.7  
Efficiency: 88.3%

**Spill:**  
Lumens: 3075.2  
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	1.3	3.0	4.9	7.1	9.5	12.2	13.5	14.6	15.5	16.1
85°	0.0	2.6	6.0	9.8	14.2	19.0	24.4	27.1	29.3	31.0	32.3
82.5°	0.0	3.9	9.0	14.7	21.2	28.5	36.5	40.6	44.8	51.9	58.2
80°	0.0	5.2	11.9	19.5	28.1	37.8	49.6	61.6	72.1	81.4	89.7
77.5°	0.0	6.5	14.8	24.3	35.0	49.2	70.7	86.3	99.3	110.9	122.5
75°	0.0	7.7	17.7	28.9	42.4	64.3	91.3	111.0	126.5	142.4	159.3
72.5°	0.0	9.0	20.5	33.5	52.5	78.9	111.3	135.1	153.9	174.1	195.6
70°	0.0	10.2	23.2	38.3	62.2	93.0	130.1	158.0	180.8	205.3	234.0
67.5°	0.0	11.3	25.9	44.3	71.6	106.4	146.6	180.4	207.2	237.5	272.0
65°	0.0	12.5	28.4	50.0	80.5	118.7	162.2	202.2	233.2	268.6	307.9
62.5°	0.0	13.6	30.9	55.4	88.9	130.0	176.9	223.0	258.1	298.4	341.4
60°	0.0	14.7	33.3	60.5	96.7	140.6	190.7	242.6	281.9	327.2	373.8
57.5°	0.0	15.7	36.2	65.2	104.0	150.5	203.2	260.3	306.0	355.0	403.7
55°	0.0	16.7	39.0	69.6	110.7	159.6	214.7	274.4	329.5	381.7	432.3
52.5°	0.0	17.7	41.6	73.7	116.9	167.9	225.2	289.7	352.1	407.1	460.2
50°	0.0	18.6	44.2	77.3	122.6	175.6	234.8	304.1	373.9	431.9	490.9
47.5°	0.0	19.5	46.6	80.6	127.6	182.5	243.6	317.3	395.5	456.1	521.0
45°	0.0	20.3	48.9	83.9	132.1	188.6	253.6	329.1	410.9	482.2	550.1
42.5°	0.0	21.0	51.1	86.8	135.9	193.9	262.5	340.6	425.1	507.3	580.2
40°	0.0	21.7	53.2	90.0	139.3	198.4	270.3	351.9	439.1	530.7	609.4
37.5°	0.0	22.4	55.1	93.2	142.4	202.0	277.0	362.0	454.4	549.2	637.1
35°	0.0	23.0	56.8	96.2	144.9	206.1	282.5	371.1	469.0	569.5	665.4
32.5°	0.0	23.5	58.5	98.9	146.9	210.1	287.6	379.0	483.0	590.1	694.3
30°	0.0	24.0	59.9	101.3	148.2	213.1	293.3	386.7	496.2	610.9	721.6
27.5°	0.0	24.5	61.2	103.5	151.3	215.3	297.9	396.3	510.0	631.8	747.1
25°	0.0	24.8	62.4	105.4	154.4	216.6	301.5	404.9	525.4	652.3	771.0
22.5°	0.0	25.1	63.4	107.0	157.1	218.3	304.0	412.4	540.2	671.1	797.1
20°	0.0	25.4	64.3	108.3	159.4	222.2	305.5	418.8	554.0	688.0	820.4
17.5°	0.0	25.6	65.0	109.4	161.3	225.5	308.9	424.0	566.8	702.8	841.0
15°	0.0	25.8	65.5	110.1	162.9	228.1	313.0	428.8	578.2	715.7	858.6
12.5°	0.0	25.8	65.9	110.6	164.0	229.9	316.0	433.2	587.9	726.4	873.3
10°	0.0	25.9	66.1	110.9	164.7	231.1	317.9	435.6	595.5	735.3	885.2
7.5°	0.0	25.9	66.2	110.8	165.1	231.6	318.6	436.2	600.8	742.2	894.5
5°	0.0	25.8	66.1	110.5	165.0	231.4	318.3	434.9	603.7	746.9	900.6
2.5°	0.0	25.7	65.8	109.9	164.5	230.6	316.9	431.9	604.1	749.2	903.6
0°	0.0	25.5	65.4	109.1	163.6	229.1	314.5	427.2	601.8	749.0	903.5
-2.5°	0.0	25.7	65.8	109.9	164.5	230.6	316.9	431.9	604.1	749.2	903.6
-5°	0.0	25.8	66.1	110.5	165.0	231.4	318.3	434.9	603.7	746.9	900.6
-7.5°	0.0	25.9	66.2	110.8	165.1	231.6	318.6	436.2	600.8	742.2	894.5
-10°	0.0	25.9	66.1	110.9	164.7	231.1	317.9	435.6	595.5	735.3	885.2
-12.5°	0.0	25.8	65.9	110.6	164.0	229.9	316.0	433.2	587.9	726.4	873.3
-15°	0.0	25.8	65.5	110.1	162.9	228.1	313.0	428.8	578.2	715.7	858.6
-17.5°	0.0	25.6	65.0	109.4	161.3	225.5	308.9	424.0	566.8	702.8	841.0
-20°	0.0	25.4	64.3	108.3	159.4	222.2	305.5	418.8	554.0	688.0	820.4

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Scaled Data Report



REPORT NUMBER: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	25.1	63.4	107.0	157.1	218.3	304.0	412.4	540.2	671.1	797.1
-25°	0.0	24.8	62.4	105.4	154.4	216.6	301.5	404.9	525.4	652.3	771.0
-27.5°	0.0	24.5	61.2	103.5	151.3	215.3	297.9	396.3	510.0	631.8	747.1
-30°	0.0	24.0	59.9	101.3	148.2	213.1	293.3	386.7	496.2	610.9	721.6
-32.5°	0.0	23.5	58.5	98.9	146.9	210.1	287.6	379.0	483.0	590.1	694.3
-35°	0.0	23.0	56.8	96.2	144.9	206.1	282.5	371.1	469.0	569.5	665.4
-37.5°	0.0	22.4	55.1	93.2	142.4	202.0	277.0	362.0	454.4	549.2	637.1
-40°	0.0	21.7	53.2	90.0	139.3	198.4	270.3	351.9	439.1	530.7	609.4
-42.5°	0.0	21.0	51.1	86.8	135.9	193.9	262.5	340.6	425.1	507.3	580.2
-45°	0.0	20.3	48.9	83.9	132.1	188.6	253.6	329.1	410.9	482.2	550.1
-47.5°	0.0	19.5	46.6	80.6	127.6	182.5	243.6	317.3	395.5	456.1	521.0
-50°	0.0	18.6	44.2	77.3	122.6	175.6	234.8	304.1	373.9	431.9	490.9
-52.5°	0.0	17.7	41.6	73.7	116.9	167.9	225.2	289.7	352.1	407.1	460.2
-55°	0.0	16.7	39.0	69.6	110.7	159.6	214.7	274.4	329.5	381.7	432.3
-57.5°	0.0	15.7	36.2	65.2	104.0	150.5	203.2	260.3	306.0	355.0	403.7
-60°	0.0	14.7	33.3	60.5	96.7	140.6	190.7	242.6	281.9	327.2	373.8
-62.5°	0.0	13.6	30.9	55.4	88.9	130.0	176.9	223.0	258.1	298.4	341.4
-65°	0.0	12.5	28.4	50.0	80.5	118.7	162.2	202.2	233.2	268.6	307.9
-67.5°	0.0	11.3	25.9	44.3	71.6	106.4	146.6	180.4	207.2	237.5	272.0
-70°	0.0	10.2	23.2	38.3	62.2	93.0	130.1	158.0	180.8	205.3	234.0
-72.5°	0.0	9.0	20.5	33.5	52.5	78.9	111.3	135.1	153.9	174.1	195.6
-75°	0.0	7.7	17.7	28.9	42.4	64.3	91.3	111.0	126.5	142.4	159.3
-77.5°	0.0	6.5	14.8	24.3	35.0	49.2	70.7	86.3	99.3	110.9	122.5
-80°	0.0	5.2	11.9	19.5	28.1	37.8	49.6	61.6	72.1	81.4	89.7
-82.5°	0.0	3.9	9.0	14.7	21.2	28.5	36.5	40.6	44.8	51.9	58.2
-85°	0.0	2.6	6.0	9.8	14.2	19.0	24.4	27.1	29.3	31.0	32.3
-87.5°	0.0	1.3	3.0	4.9	7.1	9.5	12.2	13.5	14.6	15.5	16.1
-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°	16.4	16.4	16.1	15.7	15.0	14.1	12.9	11.6	12.1	12.6	13.0
85°	32.8	32.8	35.5	38.0	39.2	39.4	38.6	36.9	41.7	47.2	53.0
82.5°	64.0	69.6	74.8	79.7	80.3	78.9	76.5	73.6	83.4	95.1	107.4
80°	98.1	106.3	115.7	124.5	126.6	125.7	123.0	118.5	131.3	149.5	169.0
77.5°	136.1	149.1	161.2	172.4	175.6	175.2	173.1	169.5	185.8	210.9	237.1
75°	176.3	192.0	207.6	221.3	227.2	227.7	227.0	230.9	252.3	281.7	307.6
72.5°	218.1	238.2	255.7	270.9	280.3	287.4	297.0	308.6	330.3	359.2	384.6
70°	262.3	284.6	303.1	319.9	334.3	350.0	370.1	390.1	412.9	441.7	468.2
67.5°	306.0	328.5	349.5	370.0	396.3	421.5	446.5	472.6	501.4	531.6	558.4
65°	346.4	371.9	397.5	427.3	461.5	490.0	520.9	554.8	592.5	626.6	657.6
62.5°	385.2	414.0	445.6	481.7	518.7	554.4	595.8	639.4	683.5	726.2	768.6
60°	418.0	453.8	492.2	532.9	575.7	624.3	672.8	724.7	777.4	828.8	881.2
57.5°	449.5	493.8	538.0	585.5	638.7	694.3	752.6	811.0	874.0	936.2	995.7
55°	482.3	534.4	584.7	641.0	702.0	767.2	833.1	903.9	973.4	1051.8	1124.1
52.5°	517.2	573.9	633.1	697.5	768.7	842.3	919.5	1000.7	1087.3	1174.4	1262.7
50°	551.3	615.2	681.0	758.1	837.7	921.8	1011.0	1105.6	1206.4	1307.2	1414.2
47.5°	586.9	655.2	735.5	819.2	910.5	1006.2	1107.2	1219.6	1331.7	1458.7	1581.3
45°	622.1	700.6	787.8	885.0	985.2	1093.0	1213.1	1336.6	1479.6	1623.1	1784.2
42.5°	655.8	746.4	844.8	948.7	1062.7	1186.6	1319.5	1474.8	1636.1	1813.6	2002.7
40°	694.6	790.1	901.0	1017.1	1140.7	1282.3	1442.2	1614.7	1811.4	2021.7	2236.5
37.5°	732.2	839.5	956.4	1082.4	1225.8	1385.3	1561.9	1773.3	2000.2	2239.3	2531.6
35°	767.5	886.4	1013.5	1151.5	1306.8	1491.7	1702.9	1936.4	2197.9	2506.3	2847.4
32.5°	804.9	930.9	1067.4	1222.3	1398.1	1600.0	1839.9	2114.7	2424.2	2775.4	3202.1
30°	842.7	976.7	1120.9	1288.5	1484.1	1717.8	1990.3	2294.1	2650.2	3090.6	3591.6
27.5°	877.5	1019.5	1177.5	1358.7	1567.8	1826.3	2134.9	2491.0	2910.5	3408.2	3993.4
25°	909.6	1058.5	1229.5	1425.6	1660.0	1943.6	2278.1	2672.6	3171.0	3764.5	4484.4
22.5°	940.2	1094.0	1276.5	1485.7	1743.1	2057.1	2433.6	2884.9	3435.9	4101.9	4965.3
20°	968.9	1132.4	1323.1	1543.2	1817.3	2159.6	2576.6	3083.2	3710.1	4498.6	5436.9
17.5°	994.1	1166.2	1367.3	1605.3	1900.1	2263.7	2711.4	3258.2	3954.3	4852.9	5872.1
15°	1015.7	1195.4	1405.4	1659.2	1974.7	2367.2	2852.9	3450.1	4208.9	5175.1	6254.2
12.5°	1033.8	1219.9	1437.5	1704.5	2037.3	2454.7	2973.7	3621.2	4457.0	5478.6	6589.7
10°	1048.2	1239.4	1463.4	1741.1	2087.8	2525.8	3073.3	3761.2	4663.4	5738.8	6873.5
7.5°	1060.1	1254.8	1483.2	1768.8	2126.0	2580.1	3150.7	3869.1	4824.7	5944.8	7091.2
5°	1068.7	1265.7	1498.2	1788.2	2154.1	2617.9	3205.0	3944.6	4939.5	6094.0	7240.2
2.5°	1073.4	1271.7	1506.8	1798.5	2171.3	2639.4	3233.4	3992.1	5002.6	6179.2	7330.2
0°	1074.4	1272.6	1508.9	1799.8	2176.1	2643.4	3237.9	4006.9	5015.9	6201.2	7362.9
-2.5°	1073.4	1271.7	1506.8	1798.5	2171.3	2639.4	3233.4	3992.1	5002.6	6179.2	7330.2
-5°	1068.7	1265.7	1498.2	1788.2	2154.1	2617.9	3205.0	3944.6	4939.5	6094.0	7240.2
-7.5°	1060.1	1254.8	1483.2	1768.8	2126.0	2580.1	3150.7	3869.1	4824.7	5944.8	7091.2
-10°	1048.2	1239.4	1463.4	1741.1	2087.8	2525.8	3073.3	3761.2	4663.4	5738.8	6873.5
-12.5°	1033.8	1219.9	1437.5	1704.5	2037.3	2454.7	2973.7	3621.2	4457.0	5478.6	6589.7
-15°	1015.7	1195.4	1405.4	1659.2	1974.7	2367.2	2852.9	3450.1	4208.9	5175.1	6254.2
-17.5°	994.1	1166.2	1367.3	1605.3	1900.1	2263.7	2711.4	3258.2	3954.3	4852.9	5872.1
-20°	968.9	1132.4	1323.1	1543.2	1817.3	2159.6	2576.6	3083.2	3710.1	4498.6	5436.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4D-727-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°	940.2	1094.0	1276.5	1485.7	1743.1	2057.1	2433.6	2884.9	3435.9	4101.9	4965.3
-25°	909.6	1058.5	1229.5	1425.6	1660.0	1943.6	2278.1	2672.6	3171.0	3764.5	4484.4
-27.5°	877.5	1019.5	1177.5	1358.7	1567.8	1826.3	2134.9	2491.0	2910.5	3408.2	3993.4
-30°	842.7	976.7	1120.9	1288.5	1484.1	1717.8	1990.3	2294.1	2650.2	3090.6	3591.6
-32.5°	804.9	930.9	1067.4	1222.3	1398.1	1600.0	1839.9	2114.7	2424.2	2775.4	3202.1
-35°	767.5	886.4	1013.5	1151.5	1306.8	1491.7	1702.9	1936.4	2197.9	2506.3	2847.4
-37.5°	732.2	839.5	956.4	1082.4	1225.8	1385.3	1561.9	1773.3	2000.2	2239.3	2531.6
-40°	694.6	790.1	901.0	1017.1	1140.7	1282.3	1442.2	1614.7	1811.4	2021.7	2236.5
-42.5°	655.8	746.4	844.8	948.7	1062.7	1186.6	1319.5	1474.8	1636.1	1813.6	2002.7
-45°	622.1	700.6	787.8	885.0	985.2	1093.0	1213.1	1336.6	1479.6	1623.1	1784.2
-47.5°	586.9	655.2	735.5	819.2	910.5	1006.2	1107.2	1219.6	1331.7	1458.7	1581.3
-50°	551.3	615.2	681.0	758.1	837.7	921.8	1011.0	1105.6	1206.4	1307.2	1414.2
-52.5°	517.2	573.9	633.1	697.5	768.7	842.3	919.5	1000.7	1087.3	1174.4	1262.7
-55°	482.3	534.4	584.7	641.0	702.0	767.2	833.1	903.9	973.4	1051.8	1124.1
-57.5°	449.5	493.8	538.0	585.5	638.7	694.3	752.6	811.0	874.0	936.2	995.7
-60°	418.0	453.8	492.2	532.9	575.7	624.3	672.8	724.7	777.4	828.8	881.2
-62.5°	385.2	414.0	445.6	481.7	518.7	554.4	595.8	639.4	683.5	726.2	768.6
-65°	346.4	371.9	397.5	427.3	461.5	490.0	520.9	554.8	592.5	626.6	657.6
-67.5°	306.0	328.5	349.5	370.0	396.3	421.5	446.5	472.6	501.4	531.6	558.4
-70°	262.3	284.6	303.1	319.9	334.3	350.0	370.1	390.1	412.9	441.7	468.2
-72.5°	218.1	238.2	255.7	270.9	280.3	287.4	297.0	308.6	330.3	359.2	384.6
-75°	176.3	192.0	207.6	221.3	227.2	227.7	227.0	230.9	252.3	281.7	307.6
-77.5°	136.1	149.1	161.2	172.4	175.6	175.2	173.1	169.5	185.8	210.9	237.1
-80°	98.1	106.3	115.7	124.5	126.6	125.7	123.0	118.5	131.3	149.5	169.0
-82.5°	64.0	69.6	74.8	79.7	80.3	78.9	76.5	73.6	83.4	95.1	107.4
-85°	32.8	32.8	35.5	38.0	39.2	39.4	38.6	36.9	41.7	47.2	53.0
-87.5°	16.4	16.4	16.1	15.7	15.0	14.1	12.9	11.6	12.1	12.6	13.0
-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: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-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°	13.4	13.1	12.6	12.1	11.5	11.3	11.1	10.8	10.5	9.8	9.0
85°	59.1	60.4	61.2	61.5	61.5	63.5	65.3	67.0	68.5	62.1	55.0
82.5°	120.2	125.9	130.8	135.7	140.6	144.0	146.5	148.3	149.5	135.3	119.4
80°	189.2	201.1	210.9	220.3	229.3	231.5	231.5	230.2	227.8	208.4	186.4
77.5°	263.2	278.7	291.0	303.2	315.2	319.7	321.8	323.5	324.6	300.6	271.1
75°	330.3	348.8	366.0	382.0	396.7	404.6	409.2	413.0	415.9	391.8	360.2
72.5°	406.7	426.3	445.0	462.7	478.3	488.7	495.5	501.1	505.4	491.7	471.9
70°	490.9	511.1	530.9	549.3	567.0	580.9	591.9	601.3	609.2	610.7	610.0
67.5°	584.2	608.2	631.6	651.7	672.7	692.4	709.7	724.1	735.6	743.2	747.4
65°	689.0	725.0	757.0	784.2	806.9	833.1	856.4	874.0	886.5	896.0	904.1
62.5°	812.5	856.1	892.8	929.0	966.3	1002.6	1025.3	1048.0	1070.2	1091.2	1109.2
60°	931.4	979.2	1028.8	1075.0	1117.8	1157.1	1197.8	1233.9	1265.5	1291.9	1311.6
57.5°	1058.1	1116.3	1172.7	1231.3	1286.5	1338.0	1388.3	1434.7	1474.9	1508.6	1536.2
55°	1195.6	1266.8	1333.8	1408.3	1480.5	1546.3	1606.9	1669.0	1725.0	1774.3	1813.4
52.5°	1343.9	1436.4	1525.2	1612.6	1706.2	1790.6	1866.2	1952.3	2028.7	2091.8	2140.9
50°	1520.9	1629.7	1746.8	1855.2	1973.2	2089.4	2196.6	2300.4	2401.9	2489.7	2560.7
47.5°	1722.4	1856.3	2001.4	2145.1	2291.6	2450.4	2592.2	2724.0	2865.9	2989.1	3088.0
45°	1946.4	2117.1	2292.4	2494.3	2680.3	2884.4	3073.4	3243.1	3444.3	3621.7	3764.5
42.5°	2195.0	2422.3	2652.8	2907.1	3153.9	3413.1	3688.4	3932.5	4199.5	4454.1	4659.7
40°	2503.1	2774.8	3083.4	3391.3	3745.6	4078.5	4479.4	4843.9	5174.8	5478.3	5727.0
37.5°	2845.4	3195.2	3583.0	3984.0	4468.8	4944.0	5413.4	5856.5	6247.7	6579.9	6858.5
35°	3234.0	3678.5	4148.2	4733.7	5301.7	5870.8	6400.9	6885.2	7310.8	7685.5	8004.2
32.5°	3681.0	4214.5	4872.0	5529.7	6177.6	6804.2	7386.3	7914.5	8381.2	8802.0	9168.4
30°	4151.0	4879.0	5616.9	6338.4	7046.0	7732.4	8371.2	8953.1	9480.4	9948.8	10371.0
27.5°	4748.2	5555.0	6359.6	7137.4	7915.9	8667.1	9359.4	10005.8	10610.8	11140.3	11622.9
25°	5325.9	6217.1	7072.5	7920.6	8768.0	9574.5	10348.6	11078.6	11771.6	12379.3	12918.1
22.5°	5903.5	6836.3	7750.4	8662.3	9572.6	10471.6	11340.8	12177.2	12952.2	13644.2	14250.7
20°	6438.4	7413.5	8391.1	9374.1	10360.8	11344.9	12321.2	13262.5	14125.9	14924.7	15626.7
17.5°	6918.0	7955.1	8991.4	10043.0	11112.6	12181.0	13265.5	14320.7	15307.8	16216.7	17031.1
15°	7342.7	8424.9	9537.9	10672.6	11821.1	12981.5	14164.8	15345.5	16456.6	17489.0	18398.1
12.5°	7714.0	8839.1	10005.6	11211.3	12457.9	13722.0	15013.5	16307.6	17537.6	18729.6	19711.2
10°	8020.4	9191.4	10410.7	11677.5	12992.1	14352.7	15738.2	17131.3	18486.4	19750.8	20873.4
7.5°	8257.1	9471.9	10728.3	12045.9	13425.1	14859.8	16327.6	17805.9	19252.1	20614.5	21856.6
5°	8424.0	9676.0	10948.3	12318.8	13746.0	15232.8	16758.2	18298.8	19810.6	21243.1	22530.4
2.5°	8520.9	9798.6	11076.3	12484.7	13936.8	15458.3	17025.2	18591.1	20142.8	21628.6	22951.4
0°	8546.4	9835.4	11149.8	12502.4	13996.8	15563.9	17074.7	18645.4	20258.0	21723.3	23041.4
-2.5°	8520.9	9798.6	11076.3	12484.7	13936.8	15458.3	17025.2	18591.1	20142.8	21628.6	22951.4
-5°	8424.0	9676.0	10948.3	12318.8	13746.0	15232.8	16758.2	18298.8	19810.6	21243.1	22530.4
-7.5°	8257.1	9471.9	10728.3	12045.9	13425.1	14859.8	16327.6	17805.9	19252.1	20614.5	21856.6
-10°	8020.4	9191.4	10410.7	11677.5	12992.1	14352.7	15738.2	17131.3	18486.4	19750.8	20873.4
-12.5°	7714.0	8839.1	10005.6	11211.3	12457.9	13722.0	15013.5	16307.6	17537.6	18729.6	19711.2
-15°	7342.7	8424.9	9537.9	10672.6	11821.1	12981.5	14164.8	15345.5	16456.6	17489.0	18398.1
-17.5°	6918.0	7955.1	8991.4	10043.0	11112.6	12181.0	13265.5	14320.7	15307.8	16216.7	17031.1
-20°	6438.4	7413.5	8391.1	9374.1	10360.8	11344.9	12321.2	13262.5	14125.9	14924.7	15626.7

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Scaled Data Report



REPORT NUMBER: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4D-727-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5903.5	6836.3	7750.4	8662.3	9572.6	10471.6	11340.8	12177.2	12952.2	13644.2	14250.7
-25°	5325.9	6217.1	7072.5	7920.6	8768.0	9574.5	10348.6	11078.6	11771.6	12379.3	12918.1
-27.5°	4748.2	5555.0	6359.6	7137.4	7915.9	8667.1	9359.4	10005.8	10610.8	11140.3	11622.9
-30°	4151.0	4879.0	5616.9	6338.4	7046.0	7732.4	8371.2	8953.1	9480.4	9948.8	10371.0
-32.5°	3681.0	4214.5	4872.0	5529.7	6177.6	6804.2	7386.3	7914.5	8381.2	8802.0	9168.4
-35°	3234.0	3678.5	4148.2	4733.7	5301.7	5870.8	6400.9	6885.2	7310.8	7685.5	8004.2
-37.5°	2845.4	3195.2	3583.0	3984.0	4468.8	4944.0	5413.4	5856.5	6247.7	6579.9	6858.5
-40°	2503.1	2774.8	3083.4	3391.3	3745.6	4078.5	4479.4	4843.9	5174.8	5478.3	5727.0
-42.5°	2195.0	2422.3	2652.8	2907.1	3153.9	3413.1	3688.4	3932.5	4199.5	4454.1	4659.7
-45°	1946.4	2117.1	2292.4	2494.3	2680.3	2884.4	3073.4	3243.1	3444.3	3621.7	3764.5
-47.5°	1722.4	1856.3	2001.4	2145.1	2291.6	2450.4	2592.2	2724.0	2865.9	2989.1	3088.0
-50°	1520.9	1629.7	1746.8	1855.2	1973.2	2089.4	2196.6	2300.4	2401.9	2489.7	2560.7
-52.5°	1343.9	1436.4	1525.2	1612.6	1706.2	1790.6	1866.2	1952.3	2028.7	2091.8	2140.9
-55°	1195.6	1266.8	1333.8	1408.3	1480.5	1546.3	1606.9	1669.0	1725.0	1774.3	1813.4
-57.5°	1058.1	1116.3	1172.7	1231.3	1286.5	1338.0	1388.3	1434.7	1474.9	1508.6	1536.2
-60°	931.4	979.2	1028.8	1075.0	1117.8	1157.1	1197.8	1233.9	1265.5	1291.9	1311.6
-62.5°	812.5	856.1	892.8	929.0	966.3	1002.6	1025.3	1048.0	1070.2	1091.2	1109.2
-65°	689.0	725.0	757.0	784.2	806.9	833.1	856.4	874.0	886.5	896.0	904.1
-67.5°	584.2	608.2	631.6	651.7	672.7	692.4	709.7	724.1	735.6	743.2	747.4
-70°	490.9	511.1	530.9	549.3	567.0	580.9	591.9	601.3	609.2	610.7	610.0
-72.5°	406.7	426.3	445.0	462.7	478.3	488.7	495.5	501.1	505.4	491.7	471.9
-75°	330.3	348.8	366.0	382.0	396.7	404.6	409.2	413.0	415.9	391.8	360.2
-77.5°	263.2	278.7	291.0	303.2	315.2	319.7	321.8	323.5	324.6	300.6	271.1
-80°	189.2	201.1	210.9	220.3	229.3	231.5	231.5	230.2	227.8	208.4	186.4
-82.5°	120.2	125.9	130.8	135.7	140.6	144.0	146.5	148.3	149.5	135.3	119.4
-85°	59.1	60.4	61.2	61.5	61.5	63.5	65.3	67.0	68.5	62.1	55.0
-87.5°	13.4	13.1	12.6	12.1	11.5	11.3	11.1	10.8	10.5	9.8	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



REPORT NUMBER: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-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°	8.1	7.3	6.4	5.5	6.4	7.3	8.1	9.0	9.8	10.5	10.8
85°	47.6	39.8	39.0	38.2	39.0	39.8	47.6	55.0	62.1	68.5	67.0
82.5°	102.6	85.2	82.6	80.0	82.6	85.2	102.6	119.4	135.3	149.5	148.3
80°	163.6	139.9	135.3	130.9	135.3	139.9	163.6	186.4	208.4	227.8	230.2
77.5°	240.0	207.6	198.1	189.1	198.1	207.6	240.0	271.1	300.6	324.6	323.5
75°	327.3	293.2	281.7	270.9	281.7	293.2	327.3	360.2	391.8	415.9	413.0
72.5°	451.9	431.2	410.2	387.2	410.2	431.2	451.9	471.9	491.7	505.4	501.1
70°	609.4	607.9	602.7	594.5	602.7	607.9	609.4	610.0	610.7	609.2	601.3
67.5°	749.3	748.7	750.5	750.8	750.5	748.7	749.3	747.4	743.2	735.6	724.1
65°	909.1	910.9	914.6	916.3	914.6	910.9	909.1	904.1	896.0	886.5	874.0
62.5°	1122.9	1132.2	1136.8	1136.3	1136.8	1132.2	1122.9	1109.2	1091.2	1070.2	1048.0
60°	1326.3	1335.9	1342.0	1343.5	1342.0	1335.9	1326.3	1311.6	1291.9	1265.5	1233.9
57.5°	1558.1	1573.9	1582.3	1583.5	1582.3	1573.9	1558.1	1536.2	1508.6	1474.9	1434.7
55°	1843.3	1864.2	1873.6	1872.5	1873.6	1864.2	1843.3	1813.4	1774.3	1725.0	1669.0
52.5°	2178.1	2203.6	2222.7	2234.3	2222.7	2203.6	2178.1	2140.9	2091.8	2028.7	1952.3
50°	2614.1	2650.7	2673.9	2683.4	2673.9	2650.7	2614.1	2560.7	2489.7	2401.9	2300.4
47.5°	3159.4	3207.9	3243.8	3268.8	3243.8	3207.9	3159.4	3088.0	2989.1	2865.9	2724.0
45°	3869.9	3943.8	3993.9	4023.2	3993.9	3943.8	3869.9	3764.5	3621.7	3444.3	3243.1
42.5°	4820.4	4935.0	5005.3	5032.2	5005.3	4935.0	4820.4	4659.7	4454.1	4199.5	3932.5
40°	5923.4	6061.2	6151.5	6213.9	6151.5	6061.2	5923.4	5727.0	5478.3	5174.8	4843.9
37.5°	7072.4	7217.0	7305.0	7364.7	7305.0	7217.0	7072.4	6858.5	6579.9	6247.7	5856.5
35°	8244.5	8395.9	8478.4	8524.6	8478.4	8395.9	8244.5	8004.2	7685.5	7310.8	6885.2
32.5°	9447.8	9614.6	9704.4	9797.2	9704.4	9614.6	9447.8	9168.4	8802.0	8381.2	7914.5
30°	10704.6	10896.1	10990.0	11035.3	10990.0	10896.1	10704.6	10371.0	9948.8	9480.4	8953.1
27.5°	12012.4	12251.1	12368.6	12446.0	12368.6	12251.1	12012.4	11622.9	11140.3	10610.8	10005.8
25°	13373.2	13668.9	13803.6	13924.1	13803.6	13668.9	13373.2	12918.1	12379.3	11771.6	11078.6
22.5°	14785.0	15153.3	15309.3	15394.8	15309.3	15153.3	14785.0	14250.7	13644.2	12952.2	12177.2
20°	16233.7	16673.8	16890.4	17002.0	16890.4	16673.8	16233.7	15626.7	14924.7	14125.9	13262.5
17.5°	17715.1	18262.5	18542.9	18607.3	18542.9	18262.5	17715.1	17031.1	16216.7	15307.8	14320.7
15°	19169.4	19761.5	20092.9	20214.4	20092.9	19761.5	19169.4	18398.1	17489.0	16456.6	15345.5
12.5°	20546.7	21160.4	21556.4	21627.0	21556.4	21160.4	20546.7	19711.2	18729.6	17537.6	16307.6
10°	21795.8	22431.5	22869.0	22968.6	22869.0	22431.5	21795.8	20873.4	19750.8	18486.4	17131.3
7.5°	22840.1	23537.6	24020.8	24104.9	24020.8	23537.6	22840.1	21856.6	20614.5	19252.1	17805.9
5°	23604.0	24432.2	24828.9	24928.4	24828.9	24432.2	23604.0	22530.4	21243.1	19810.6	18298.8
2.5°	24023.1	24866.2	25417.6	25353.9	25417.6	24866.2	24023.1	22951.4	21628.6	20142.8	18591.1
0°	24070.4	24952.1	25479.3	25722.9	25479.3	24952.1	24070.4	23041.4	21723.3	20258.0	18645.4
-2.5°	24023.1	24866.2	25417.6	25353.9	25417.6	24866.2	24023.1	22951.4	21628.6	20142.8	18591.1
-5°	23604.0	24432.2	24828.9	24928.4	24828.9	24432.2	23604.0	22530.4	21243.1	19810.6	18298.8
-7.5°	22840.1	23537.6	24020.8	24104.9	24020.8	23537.6	22840.1	21856.6	20614.5	19252.1	17805.9
-10°	21795.8	22431.5	22869.0	22968.6	22869.0	22431.5	21795.8	20873.4	19750.8	18486.4	17131.3
-12.5°	20546.7	21160.4	21556.4	21627.0	21556.4	21160.4	20546.7	19711.2	18729.6	17537.6	16307.6
-15°	19169.4	19761.5	20092.9	20214.4	20092.9	19761.5	19169.4	18398.1	17489.0	16456.6	15345.5
-17.5°	17715.1	18262.5	18542.9	18607.3	18542.9	18262.5	17715.1	17031.1	16216.7	15307.8	14320.7
-20°	16233.7	16673.8	16890.4	17002.0	16890.4	16673.8	16233.7	15626.7	14924.7	14125.9	13262.5



REPORT NUMBER: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-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°	14785.0	15153.3	15309.3	15394.8	15309.3	15153.3	14785.0	14250.7	13644.2	12952.2	12177.2
-25°	13373.2	13668.9	13803.6	13924.1	13803.6	13668.9	13373.2	12918.1	12379.3	11771.6	11078.6
-27.5°	12012.4	12251.1	12368.6	12446.0	12368.6	12251.1	12012.4	11622.9	11140.3	10610.8	10005.8
-30°	10704.6	10896.1	10990.0	11035.3	10990.0	10896.1	10704.6	10371.0	9948.8	9480.4	8953.1
-32.5°	9447.8	9614.6	9704.4	9797.2	9704.4	9614.6	9447.8	9168.4	8802.0	8381.2	7914.5
-35°	8244.5	8395.9	8478.4	8524.6	8478.4	8395.9	8244.5	8004.2	7685.5	7310.8	6885.2
-37.5°	7072.4	7217.0	7305.0	7364.7	7305.0	7217.0	7072.4	6858.5	6579.9	6247.7	5856.5
-40°	5923.4	6061.2	6151.5	6213.9	6151.5	6061.2	5923.4	5727.0	5478.3	5174.8	4843.9
-42.5°	4820.4	4935.0	5005.3	5032.2	5005.3	4935.0	4820.4	4659.7	4454.1	4199.5	3932.5
-45°	3869.9	3943.8	3993.9	4023.2	3993.9	3943.8	3869.9	3764.5	3621.7	3444.3	3243.1
-47.5°	3159.4	3207.9	3243.8	3268.8	3243.8	3207.9	3159.4	3088.0	2989.1	2865.9	2724.0
-50°	2614.1	2650.7	2673.9	2683.4	2673.9	2650.7	2614.1	2560.7	2489.7	2401.9	2300.4
-52.5°	2178.1	2203.6	2222.7	2234.3	2222.7	2203.6	2178.1	2140.9	2091.8	2028.7	1952.3
-55°	1843.3	1864.2	1873.6	1872.5	1873.6	1864.2	1843.3	1813.4	1774.3	1725.0	1669.0
-57.5°	1558.1	1573.9	1582.3	1583.5	1582.3	1573.9	1558.1	1536.2	1508.6	1474.9	1434.7
-60°	1326.3	1335.9	1342.0	1343.5	1342.0	1335.9	1326.3	1311.6	1291.9	1265.5	1233.9
-62.5°	1122.9	1132.2	1136.8	1136.3	1136.8	1132.2	1122.9	1109.2	1091.2	1070.2	1048.0
-65°	909.1	910.9	914.6	916.3	914.6	910.9	909.1	904.1	896.0	886.5	874.0
-67.5°	749.3	748.7	750.5	750.8	750.5	748.7	749.3	747.4	743.2	735.6	724.1
-70°	609.4	607.9	602.7	594.5	602.7	607.9	609.4	610.0	610.7	609.2	601.3
-72.5°	451.9	431.2	410.2	387.2	410.2	431.2	451.9	471.9	491.7	505.4	501.1
-75°	327.3	293.2	281.7	270.9	281.7	293.2	327.3	360.2	391.8	415.9	413.0
-77.5°	240.0	207.6	198.1	189.1	198.1	207.6	240.0	271.1	300.6	324.6	323.5
-80°	163.6	139.9	135.3	130.9	135.3	139.9	163.6	186.4	208.4	227.8	230.2
-82.5°	102.6	85.2	82.6	80.0	82.6	85.2	102.6	119.4	135.3	149.5	148.3
-85°	47.6	39.8	39.0	38.2	39.0	39.8	47.6	55.0	62.1	68.5	67.0
-87.5°	8.1	7.3	6.4	5.5	6.4	7.3	8.1	9.0	9.8	10.5	10.8
-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):**

	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°	11.1	11.3	11.5	12.1	12.6	13.1	13.4	13.0	12.6	12.1	11.6
85°	65.3	63.5	61.5	61.5	61.2	60.4	59.1	53.0	47.2	41.7	36.9
82.5°	146.5	144.0	140.6	135.7	130.8	125.9	120.2	107.4	95.1	83.4	73.6
80°	231.5	231.5	229.3	220.3	210.9	201.1	189.2	169.0	149.5	131.3	118.5
77.5°	321.8	319.7	315.2	303.2	291.0	278.7	263.2	237.1	210.9	185.8	169.5
75°	409.2	404.6	396.7	382.0	366.0	348.8	330.3	307.6	281.7	252.3	230.9
72.5°	495.5	488.7	478.3	462.7	445.0	426.3	406.7	384.6	359.2	330.3	308.6
70°	591.9	580.9	567.0	549.3	530.9	511.1	490.9	468.2	441.7	412.9	390.1
67.5°	709.7	692.4	672.7	651.7	631.6	608.2	584.2	558.4	531.6	501.4	472.6
65°	856.4	833.1	806.9	784.2	757.0	725.0	689.0	657.6	626.6	592.5	554.8
62.5°	1025.3	1002.6	966.3	929.0	892.8	856.1	812.5	768.6	726.2	683.5	639.4
60°	1197.8	1157.1	1117.8	1075.0	1028.8	979.2	931.4	881.2	828.8	777.4	724.7
57.5°	1388.3	1338.0	1286.5	1231.3	1172.7	1116.3	1058.1	995.7	936.2	874.0	811.0
55°	1606.9	1546.3	1480.5	1408.3	1333.8	1266.8	1195.6	1124.1	1051.8	973.4	903.9
52.5°	1866.2	1790.6	1706.2	1612.6	1525.2	1436.4	1343.9	1262.7	1174.4	1087.3	1000.7
50°	2196.6	2089.4	1973.2	1855.2	1746.8	1629.7	1520.9	1414.2	1307.2	1206.4	1105.6
47.5°	2592.2	2450.4	2291.6	2145.1	2001.4	1856.3	1722.4	1581.3	1458.7	1331.7	1219.6
45°	3073.4	2884.4	2680.3	2494.3	2292.4	2117.1	1946.4	1784.2	1623.1	1479.6	1336.6
42.5°	3688.4	3413.1	3153.9	2907.1	2652.8	2422.3	2195.0	2002.7	1813.6	1636.1	1474.8
40°	4479.4	4078.5	3745.6	3391.3	3083.4	2774.8	2503.1	2236.5	2021.7	1811.4	1614.7
37.5°	5413.4	4944.0	4468.8	3984.0	3583.0	3195.2	2845.4	2531.6	2239.3	2000.2	1773.3
35°	6400.9	5870.8	5301.7	4733.7	4148.2	3678.5	3234.0	2847.4	2506.3	2197.9	1936.4
32.5°	7386.3	6804.2	6177.6	5529.7	4872.0	4214.5	3681.0	3202.1	2775.4	2424.2	2114.7
30°	8371.2	7732.4	7046.0	6338.4	5616.9	4879.0	4151.0	3591.6	3090.6	2650.2	2294.1
27.5°	9359.4	8667.1	7915.9	7137.4	6359.6	5555.0	4748.2	3993.4	3408.2	2910.5	2491.0
25°	10348.6	9574.5	8768.0	7920.6	7072.5	6217.1	5325.9	4484.4	3764.5	3171.0	2672.6
22.5°	11340.8	10471.6	9572.6	8662.3	7750.4	6836.3	5903.5	4965.3	4101.9	3435.9	2884.9
20°	12321.2	11344.9	10360.8	9374.1	8391.1	7413.5	6438.4	5436.9	4498.6	3710.1	3083.2
17.5°	13265.5	12181.0	11112.6	10043.0	8991.4	7955.1	6918.0	5872.1	4852.9	3954.3	3258.2
15°	14164.8	12981.5	11821.1	10672.6	9537.9	8424.9	7342.7	6254.2	5175.1	4208.9	3450.1
12.5°	15013.5	13722.0	12457.9	11211.3	10005.6	8839.1	7714.0	6589.7	5478.6	4457.0	3621.2
10°	15738.2	14352.7	12992.1	11677.5	10410.7	9191.4	8020.4	6873.5	5738.8	4663.4	3761.2
7.5°	16327.6	14859.8	13425.1	12045.9	10728.3	9471.9	8257.1	7091.2	5944.8	4824.7	3869.1
5°	16758.2	15232.8	13746.0	12318.8	10948.3	9676.0	8424.0	7240.2	6094.0	4939.5	3944.6
2.5°	17025.2	15458.3	13936.8	12484.7	11076.3	9798.6	8520.9	7330.2	6179.2	5002.6	3992.1
0°	17074.7	15563.9	13996.8	12502.4	11149.8	9835.4	8546.4	7362.9	6201.2	5015.9	4006.9
-2.5°	17025.2	15458.3	13936.8	12484.7	11076.3	9798.6	8520.9	7330.2	6179.2	5002.6	3992.1
-5°	16758.2	15232.8	13746.0	12318.8	10948.3	9676.0	8424.0	7240.2	6094.0	4939.5	3944.6
-7.5°	16327.6	14859.8	13425.1	12045.9	10728.3	9471.9	8257.1	7091.2	5944.8	4824.7	3869.1
-10°	15738.2	14352.7	12992.1	11677.5	10410.7	9191.4	8020.4	6873.5	5738.8	4663.4	3761.2
-12.5°	15013.5	13722.0	12457.9	11211.3	10005.6	8839.1	7714.0	6589.7	5478.6	4457.0	3621.2
-15°	14164.8	12981.5	11821.1	10672.6	9537.9	8424.9	7342.7	6254.2	5175.1	4208.9	3450.1
-17.5°	13265.5	12181.0	11112.6	10043.0	8991.4	7955.1	6918.0	5872.1	4852.9	3954.3	3258.2
-20°	12321.2	11344.9	10360.8	9374.1	8391.1	7413.5	6438.4	5436.9	4498.6	3710.1	3083.2



REPORT NUMBER: P627443 (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°
-22.5°	11340.8	10471.6	9572.6	8662.3	7750.4	6836.3	5903.5	4965.3	4101.9	3435.9	2884.9
-25°	10348.6	9574.5	8768.0	7920.6	7072.5	6217.1	5325.9	4484.4	3764.5	3171.0	2672.6
-27.5°	9359.4	8667.1	7915.9	7137.4	6359.6	5555.0	4748.2	3993.4	3408.2	2910.5	2491.0
-30°	8371.2	7732.4	7046.0	6338.4	5616.9	4879.0	4151.0	3591.6	3090.6	2650.2	2294.1
-32.5°	7386.3	6804.2	6177.6	5529.7	4872.0	4214.5	3681.0	3202.1	2775.4	2424.2	2114.7
-35°	6400.9	5870.8	5301.7	4733.7	4148.2	3678.5	3234.0	2847.4	2506.3	2197.9	1936.4
-37.5°	5413.4	4944.0	4468.8	3984.0	3583.0	3195.2	2845.4	2531.6	2239.3	2000.2	1773.3
-40°	4479.4	4078.5	3745.6	3391.3	3083.4	2774.8	2503.1	2236.5	2021.7	1811.4	1614.7
-42.5°	3688.4	3413.1	3153.9	2907.1	2652.8	2422.3	2195.0	2002.7	1813.6	1636.1	1474.8
-45°	3073.4	2884.4	2680.3	2494.3	2292.4	2117.1	1946.4	1784.2	1623.1	1479.6	1336.6
-47.5°	2592.2	2450.4	2291.6	2145.1	2001.4	1856.3	1722.4	1581.3	1458.7	1331.7	1219.6
-50°	2196.6	2089.4	1973.2	1855.2	1746.8	1629.7	1520.9	1414.2	1307.2	1206.4	1105.6
-52.5°	1866.2	1790.6	1706.2	1612.6	1525.2	1436.4	1343.9	1262.7	1174.4	1087.3	1000.7
-55°	1606.9	1546.3	1480.5	1408.3	1333.8	1266.8	1195.6	1124.1	1051.8	973.4	903.9
-57.5°	1388.3	1338.0	1286.5	1231.3	1172.7	1116.3	1058.1	995.7	936.2	874.0	811.0
-60°	1197.8	1157.1	1117.8	1075.0	1028.8	979.2	931.4	881.2	828.8	777.4	724.7
-62.5°	1025.3	1002.6	966.3	929.0	892.8	856.1	812.5	768.6	726.2	683.5	639.4
-65°	856.4	833.1	806.9	784.2	757.0	725.0	689.0	657.6	626.6	592.5	554.8
-67.5°	709.7	692.4	672.7	651.7	631.6	608.2	584.2	558.4	531.6	501.4	472.6
-70°	591.9	580.9	567.0	549.3	530.9	511.1	490.9	468.2	441.7	412.9	390.1
-72.5°	495.5	488.7	478.3	462.7	445.0	426.3	406.7	384.6	359.2	330.3	308.6
-75°	409.2	404.6	396.7	382.0	366.0	348.8	330.3	307.6	281.7	252.3	230.9
-77.5°	321.8	319.7	315.2	303.2	291.0	278.7	263.2	237.1	210.9	185.8	169.5
-80°	231.5	231.5	229.3	220.3	210.9	201.1	189.2	169.0	149.5	131.3	118.5
-82.5°	146.5	144.0	140.6	135.7	130.8	125.9	120.2	107.4	95.1	83.4	73.6
-85°	65.3	63.5	61.5	61.5	61.2	60.4	59.1	53.0	47.2	41.7	36.9
-87.5°	11.1	11.3	11.5	12.1	12.6	13.1	13.4	13.0	12.6	12.1	11.6
-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: P627443 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-727-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°	12.9	14.1	15.0	15.7	16.1	16.4	16.4	16.1	15.5	14.6	13.5
85°	38.6	39.4	39.2	38.0	35.5	32.8	32.8	32.3	31.0	29.3	27.1
82.5°	76.5	78.9	80.3	79.7	74.8	69.6	64.0	58.2	51.9	44.8	40.6
80°	123.0	125.7	126.6	124.5	115.7	106.3	98.1	89.7	81.4	72.1	61.6
77.5°	173.1	175.2	175.6	172.4	161.2	149.1	136.1	122.5	110.9	99.3	86.3
75°	227.0	227.7	227.2	221.3	207.6	192.0	176.3	159.3	142.4	126.5	111.0
72.5°	297.0	287.4	280.3	270.9	255.7	238.2	218.1	195.6	174.1	153.9	135.1
70°	370.1	350.0	334.3	319.9	303.1	284.6	262.3	234.0	205.3	180.8	158.0
67.5°	446.5	421.5	396.3	370.0	349.5	328.5	306.0	272.0	237.5	207.2	180.4
65°	520.9	490.0	461.5	427.3	397.5	371.9	346.4	307.9	268.6	233.2	202.2
62.5°	595.8	554.4	518.7	481.7	445.6	414.0	385.2	341.4	298.4	258.1	223.0
60°	672.8	624.3	575.7	532.9	492.2	453.8	418.0	373.8	327.2	281.9	242.6
57.5°	752.6	694.3	638.7	585.5	538.0	493.8	449.5	403.7	355.0	306.0	260.3
55°	833.1	767.2	702.0	641.0	584.7	534.4	482.3	432.3	381.7	329.5	274.4
52.5°	919.5	842.3	768.7	697.5	633.1	573.9	517.2	460.2	407.1	352.1	289.7
50°	1011.0	921.8	837.7	758.1	681.0	615.2	551.3	490.9	431.9	373.9	304.1
47.5°	1107.2	1006.2	910.5	819.2	735.5	655.2	586.9	521.0	456.1	395.5	317.3
45°	1213.1	1093.0	985.2	885.0	787.8	700.6	622.1	550.1	482.2	410.9	329.1
42.5°	1319.5	1186.6	1062.7	948.7	844.8	746.4	655.8	580.2	507.3	425.1	340.6
40°	1442.2	1282.3	1140.7	1017.1	901.0	790.1	694.6	609.4	530.7	439.1	351.9
37.5°	1561.9	1385.3	1225.8	1082.4	956.4	839.5	732.2	637.1	549.2	454.4	362.0
35°	1702.9	1491.7	1306.8	1151.5	1013.5	886.4	767.5	665.4	569.5	469.0	371.1
32.5°	1839.9	1600.0	1398.1	1222.3	1067.4	930.9	804.9	694.3	590.1	483.0	379.0
30°	1990.3	1717.8	1484.1	1288.5	1120.9	976.7	842.7	721.6	610.9	496.2	386.7
27.5°	2134.9	1826.3	1567.8	1358.7	1177.5	1019.5	877.5	747.1	631.8	510.0	396.3
25°	2278.1	1943.6	1660.0	1425.6	1229.5	1058.5	909.6	771.0	652.3	525.4	404.9
22.5°	2433.6	2057.1	1743.1	1485.7	1276.5	1094.0	940.2	797.1	671.1	540.2	412.4
20°	2576.6	2159.6	1817.3	1543.2	1323.1	1132.4	968.9	820.4	688.0	554.0	418.8
17.5°	2711.4	2263.7	1900.1	1605.3	1367.3	1166.2	994.1	841.0	702.8	566.8	424.0
15°	2852.9	2367.2	1974.7	1659.2	1405.4	1195.4	1015.7	858.6	715.7	578.2	428.8
12.5°	2973.7	2454.7	2037.3	1704.5	1437.5	1219.9	1033.8	873.3	726.4	587.9	433.2
10°	3073.3	2525.8	2087.8	1741.1	1463.4	1239.4	1048.2	885.2	735.3	595.5	435.6
7.5°	3150.7	2580.1	2126.0	1768.8	1483.2	1254.8	1060.1	894.5	742.2	600.8	436.2
5°	3205.0	2617.9	2154.1	1788.2	1498.2	1265.7	1068.7	900.6	746.9	603.7	434.9
2.5°	3233.4	2639.4	2171.3	1798.5	1506.8	1271.7	1073.4	903.6	749.2	604.1	431.9
0°	3237.9	2643.4	2176.1	1799.8	1508.9	1272.6	1074.4	903.5	749.0	601.8	427.2
-2.5°	3233.4	2639.4	2171.3	1798.5	1506.8	1271.7	1073.4	903.6	749.2	604.1	431.9
-5°	3205.0	2617.9	2154.1	1788.2	1498.2	1265.7	1068.7	900.6	746.9	603.7	434.9
-7.5°	3150.7	2580.1	2126.0	1768.8	1483.2	1254.8	1060.1	894.5	742.2	600.8	436.2
-10°	3073.3	2525.8	2087.8	1741.1	1463.4	1239.4	1048.2	885.2	735.3	595.5	435.6
-12.5°	2973.7	2454.7	2037.3	1704.5	1437.5	1219.9	1033.8	873.3	726.4	587.9	433.2
-15°	2852.9	2367.2	1974.7	1659.2	1405.4	1195.4	1015.7	858.6	715.7	578.2	428.8
-17.5°	2711.4	2263.7	1900.1	1605.3	1367.3	1166.2	994.1	841.0	702.8	566.8	424.0
-20°	2576.6	2159.6	1817.3	1543.2	1323.1	1132.4	968.9	820.4	688.0	554.0	418.8

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REPORT NUMBER: P627443 (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°	2433.6	2057.1	1743.1	1485.7	1276.5	1094.0	940.2	797.1	671.1	540.2	412.4
-25°	2278.1	1943.6	1660.0	1425.6	1229.5	1058.5	909.6	771.0	652.3	525.4	404.9
-27.5°	2134.9	1826.3	1567.8	1358.7	1177.5	1019.5	877.5	747.1	631.8	510.0	396.3
-30°	1990.3	1717.8	1484.1	1288.5	1120.9	976.7	842.7	721.6	610.9	496.2	386.7
-32.5°	1839.9	1600.0	1398.1	1222.3	1067.4	930.9	804.9	694.3	590.1	483.0	379.0
-35°	1702.9	1491.7	1306.8	1151.5	1013.5	886.4	767.5	665.4	569.5	469.0	371.1
-37.5°	1561.9	1385.3	1225.8	1082.4	956.4	839.5	732.2	637.1	549.2	454.4	362.0
-40°	1442.2	1282.3	1140.7	1017.1	901.0	790.1	694.6	609.4	530.7	439.1	351.9
-42.5°	1319.5	1186.6	1062.7	948.7	844.8	746.4	655.8	580.2	507.3	425.1	340.6
-45°	1213.1	1093.0	985.2	885.0	787.8	700.6	622.1	550.1	482.2	410.9	329.1
-47.5°	1107.2	1006.2	910.5	819.2	735.5	655.2	586.9	521.0	456.1	395.5	317.3
-50°	1011.0	921.8	837.7	758.1	681.0	615.2	551.3	490.9	431.9	373.9	304.1
-52.5°	919.5	842.3	768.7	697.5	633.1	573.9	517.2	460.2	407.1	352.1	289.7
-55°	833.1	767.2	702.0	641.0	584.7	534.4	482.3	432.3	381.7	329.5	274.4
-57.5°	752.6	694.3	638.7	585.5	538.0	493.8	449.5	403.7	355.0	306.0	260.3
-60°	672.8	624.3	575.7	532.9	492.2	453.8	418.0	373.8	327.2	281.9	242.6
-62.5°	595.8	554.4	518.7	481.7	445.6	414.0	385.2	341.4	298.4	258.1	223.0
-65°	520.9	490.0	461.5	427.3	397.5	371.9	346.4	307.9	268.6	233.2	202.2
-67.5°	446.5	421.5	396.3	370.0	349.5	328.5	306.0	272.0	237.5	207.2	180.4
-70°	370.1	350.0	334.3	319.9	303.1	284.6	262.3	234.0	205.3	180.8	158.0
-72.5°	297.0	287.4	280.3	270.9	255.7	238.2	218.1	195.6	174.1	153.9	135.1
-75°	227.0	227.7	227.2	221.3	207.6	192.0	176.3	159.3	142.4	126.5	111.0
-77.5°	173.1	175.2	175.6	172.4	161.2	149.1	136.1	122.5	110.9	99.3	86.3
-80°	123.0	125.7	126.6	124.5	115.7	106.3	98.1	89.7	81.4	72.1	61.6
-82.5°	76.5	78.9	80.3	79.7	74.8	69.6	64.0	58.2	51.9	44.8	40.6
-85°	38.6	39.4	39.2	38.0	35.5	32.8	32.8	32.3	31.0	29.3	27.1
-87.5°	12.9	14.1	15.0	15.7	16.1	16.4	16.4	16.1	15.5	14.6	13.5
-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: P627443 (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°	12.2	9.5	7.1	4.9	3.0	1.3	0.0
85°	24.4	19.0	14.2	9.8	6.0	2.6	0.0
82.5°	36.5	28.5	21.2	14.7	9.0	3.9	0.0
80°	49.6	37.8	28.1	19.5	11.9	5.2	0.0
77.5°	70.7	49.2	35.0	24.3	14.8	6.5	0.0
75°	91.3	64.3	42.4	28.9	17.7	7.7	0.0
72.5°	111.3	78.9	52.5	33.5	20.5	9.0	0.0
70°	130.1	93.0	62.2	38.3	23.2	10.2	0.0
67.5°	146.6	106.4	71.6	44.3	25.9	11.3	0.0
65°	162.2	118.7	80.5	50.0	28.4	12.5	0.0
62.5°	176.9	130.0	88.9	55.4	30.9	13.6	0.0
60°	190.7	140.6	96.7	60.5	33.3	14.7	0.0
57.5°	203.2	150.5	104.0	65.2	36.2	15.7	0.0
55°	214.7	159.6	110.7	69.6	39.0	16.7	0.0
52.5°	225.2	167.9	116.9	73.7	41.6	17.7	0.0
50°	234.8	175.6	122.6	77.3	44.2	18.6	0.0
47.5°	243.6	182.5	127.6	80.6	46.6	19.5	0.0
45°	253.6	188.6	132.1	83.9	48.9	20.3	0.0
42.5°	262.5	193.9	135.9	86.8	51.1	21.0	0.0
40°	270.3	198.4	139.3	90.0	53.2	21.7	0.0
37.5°	277.0	202.0	142.4	93.2	55.1	22.4	0.0
35°	282.5	206.1	144.9	96.2	56.8	23.0	0.0
32.5°	287.6	210.1	146.9	98.9	58.5	23.5	0.0
30°	293.3	213.1	148.2	101.3	59.9	24.0	0.0
27.5°	297.9	215.3	151.3	103.5	61.2	24.5	0.0
25°	301.5	216.6	154.4	105.4	62.4	24.8	0.0
22.5°	304.0	218.3	157.1	107.0	63.4	25.1	0.0
20°	305.5	222.2	159.4	108.3	64.3	25.4	0.0
17.5°	308.9	225.5	161.3	109.4	65.0	25.6	0.0
15°	313.0	228.1	162.9	110.1	65.5	25.8	0.0
12.5°	316.0	229.9	164.0	110.6	65.9	25.8	0.0
10°	317.9	231.1	164.7	110.9	66.1	25.9	0.0
7.5°	318.6	231.6	165.1	110.8	66.2	25.9	0.0
5°	318.3	231.4	165.0	110.5	66.1	25.8	0.0
2.5°	316.9	230.6	164.5	109.9	65.8	25.7	0.0
0°	314.5	229.1	163.6	109.1	65.4	25.5	0.0
-2.5°	316.9	230.6	164.5	109.9	65.8	25.7	0.0
-5°	318.3	231.4	165.0	110.5	66.1	25.8	0.0
-7.5°	318.6	231.6	165.1	110.8	66.2	25.9	0.0
-10°	317.9	231.1	164.7	110.9	66.1	25.9	0.0
-12.5°	316.0	229.9	164.0	110.6	65.9	25.8	0.0
-15°	313.0	228.1	162.9	110.1	65.5	25.8	0.0
-17.5°	308.9	225.5	161.3	109.4	65.0	25.6	0.0
-20°	305.5	222.2	159.4	108.3	64.3	25.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	304.0	218.3	157.1	107.0	63.4	25.1	0.0
-25°	301.5	216.6	154.4	105.4	62.4	24.8	0.0
-27.5°	297.9	215.3	151.3	103.5	61.2	24.5	0.0
-30°	293.3	213.1	148.2	101.3	59.9	24.0	0.0
-32.5°	287.6	210.1	146.9	98.9	58.5	23.5	0.0
-35°	282.5	206.1	144.9	96.2	56.8	23.0	0.0
-37.5°	277.0	202.0	142.4	93.2	55.1	22.4	0.0
-40°	270.3	198.4	139.3	90.0	53.2	21.7	0.0
-42.5°	262.5	193.9	135.9	86.8	51.1	21.0	0.0
-45°	253.6	188.6	132.1	83.9	48.9	20.3	0.0
-47.5°	243.6	182.5	127.6	80.6	46.6	19.5	0.0
-50°	234.8	175.6	122.6	77.3	44.2	18.6	0.0
-52.5°	225.2	167.9	116.9	73.7	41.6	17.7	0.0
-55°	214.7	159.6	110.7	69.6	39.0	16.7	0.0
-57.5°	203.2	150.5	104.0	65.2	36.2	15.7	0.0
-60°	190.7	140.6	96.7	60.5	33.3	14.7	0.0
-62.5°	176.9	130.0	88.9	55.4	30.9	13.6	0.0
-65°	162.2	118.7	80.5	50.0	28.4	12.5	0.0
-67.5°	146.6	106.4	71.6	44.3	25.9	11.3	0.0
-70°	130.1	93.0	62.2	38.3	23.2	10.2	0.0
-72.5°	111.3	78.9	52.5	33.5	20.5	9.0	0.0
-75°	91.3	64.3	42.4	28.9	17.7	7.7	0.0
-77.5°	70.7	49.2	35.0	24.3	14.8	6.5	0.0
-80°	49.6	37.8	28.1	19.5	11.9	5.2	0.0
-82.5°	36.5	28.5	21.2	14.7	9.0	3.9	0.0
-85°	24.4	19.0	14.2	9.8	6.0	2.6	0.0
-87.5°	12.2	9.5	7.1	4.9	3.0	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)