

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: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1D-735-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 5/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA1D-735-U-LAM-XX  
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

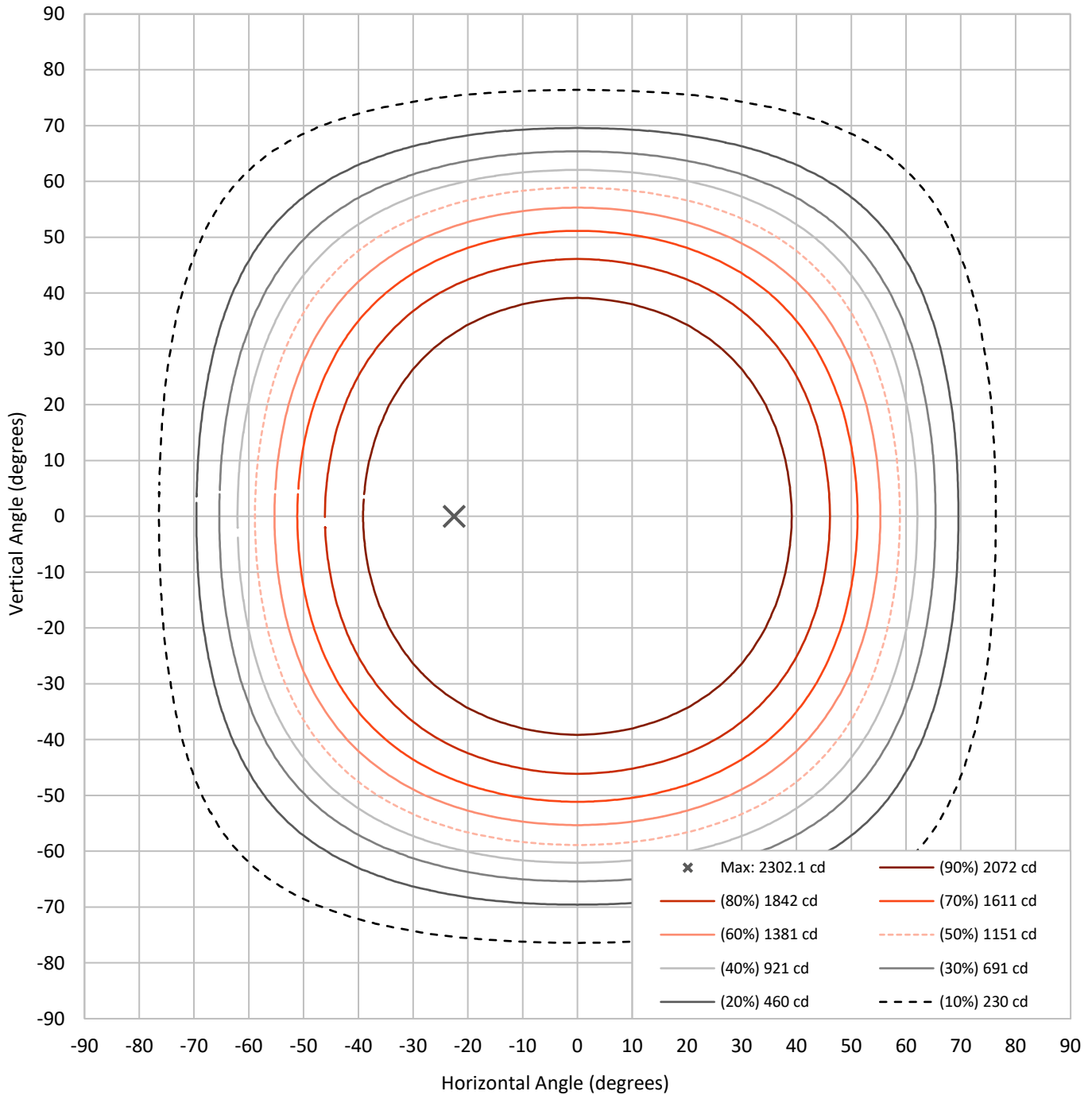
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7042.3 lumens	Max Intensity:	2302.1 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	122.9 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	5860.8 lumens	Field Lumens:	6903.8 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	57.3		
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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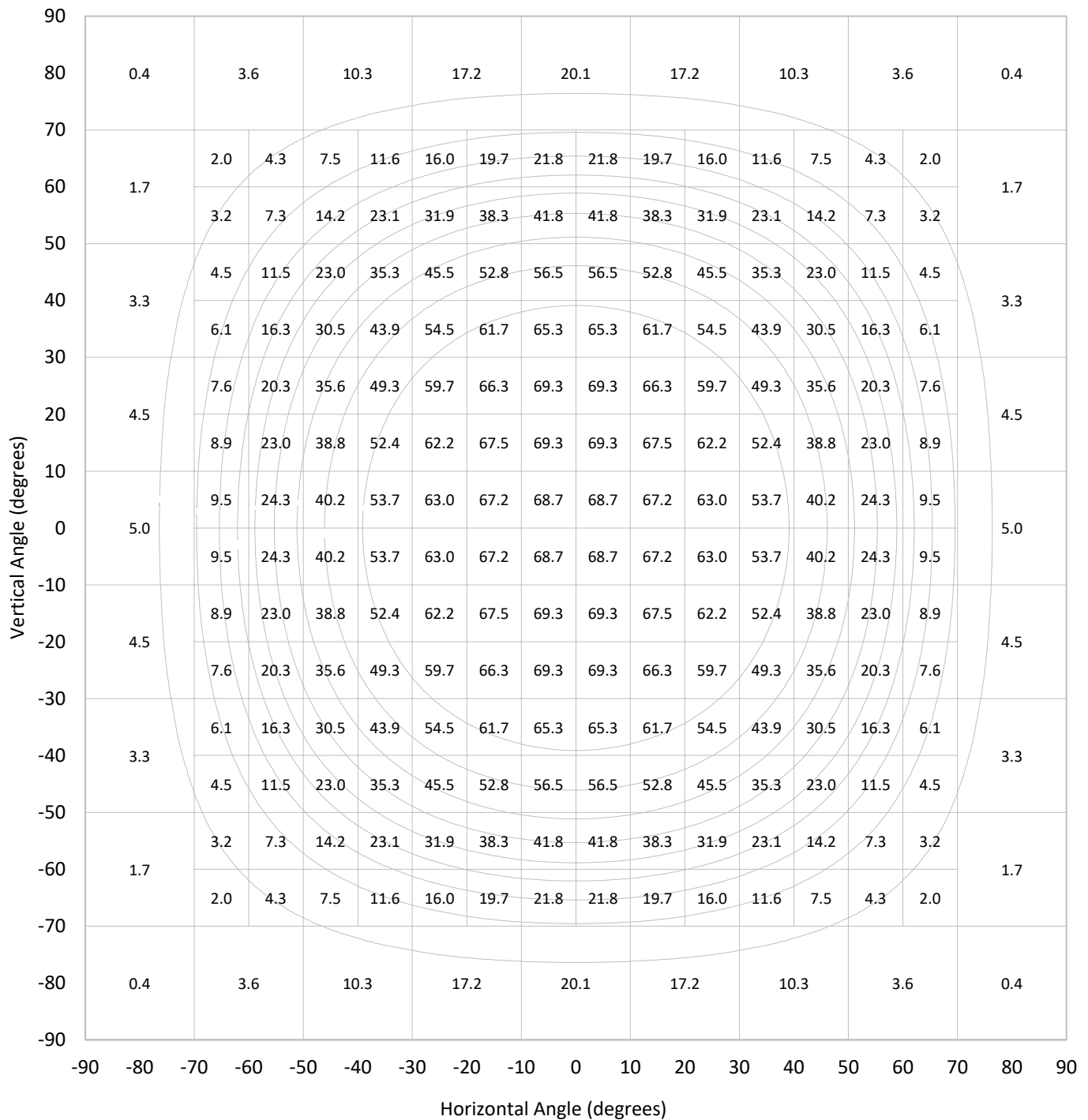
### Iso-Candela Plot





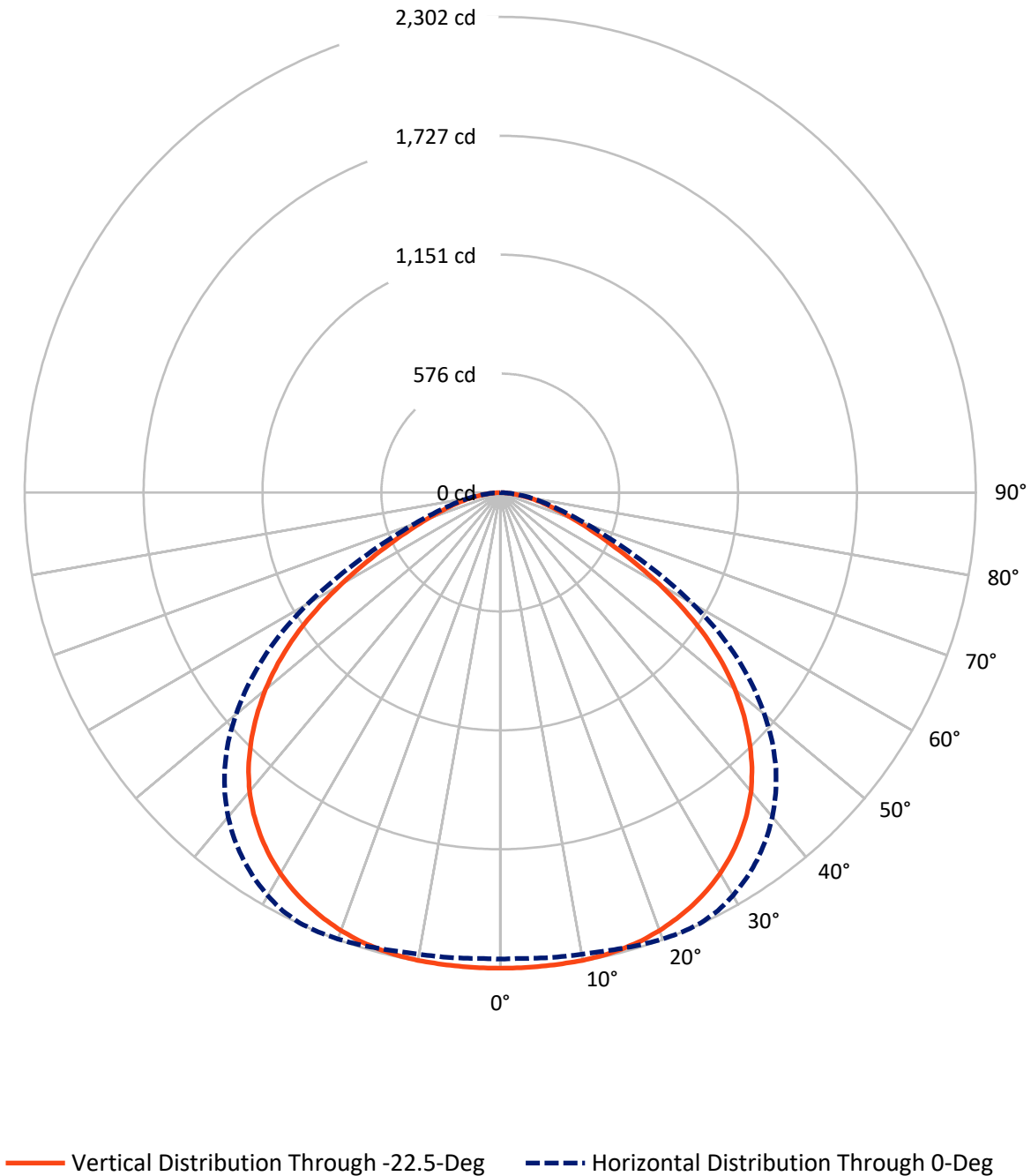
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### Lumen Table



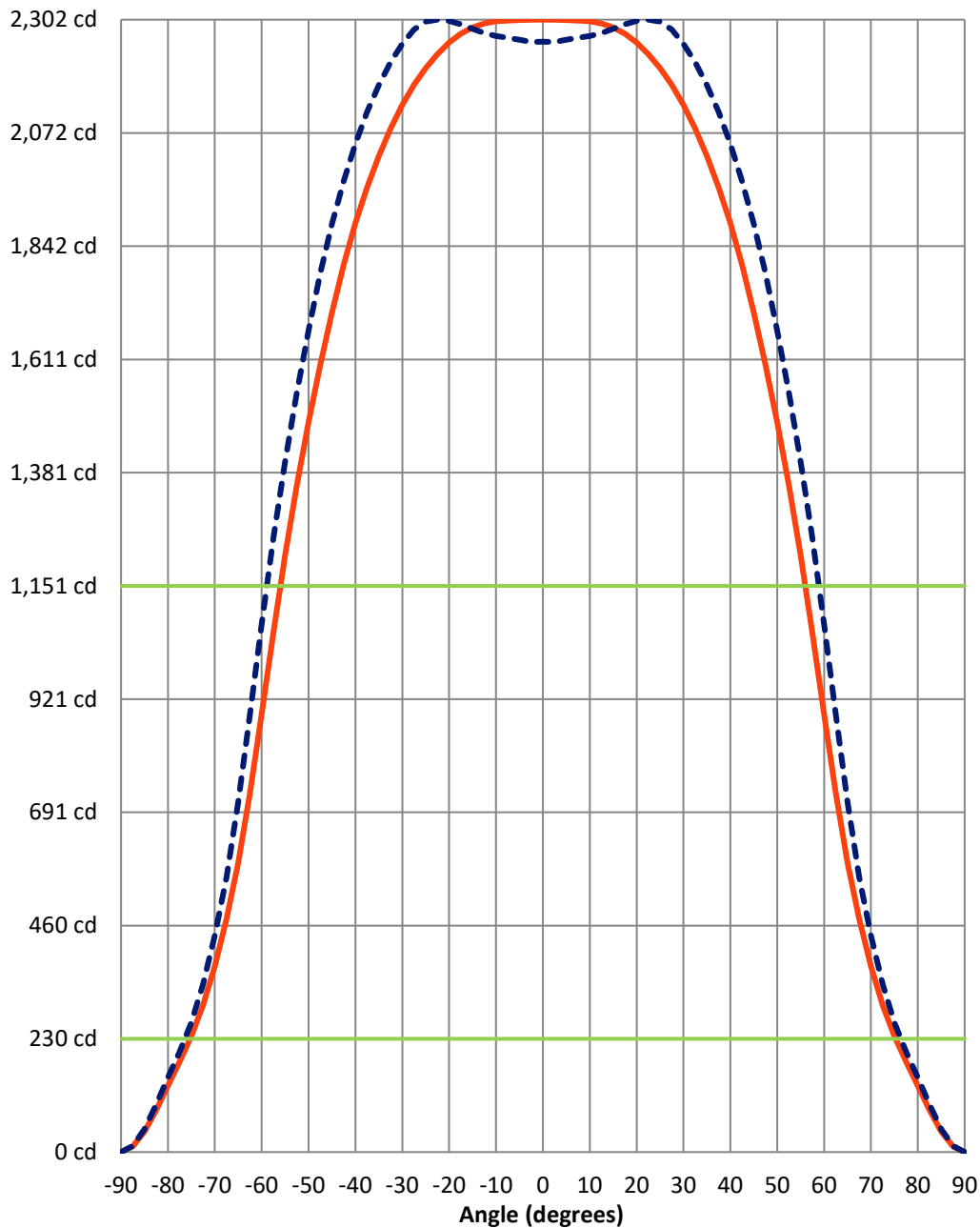
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 5860.8  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 6903.8  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 138.5  
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	2.2	2.7	3.3	3.8	4.3	4.8	5.3
85°	0.0	1.1	2.2	3.3	4.4	5.4	6.5	7.6	8.6	9.6	10.6
82.5°	0.0	1.6	3.3	4.9	6.5	8.2	9.8	11.3	13.4	17.6	21.7
80°	0.0	2.2	4.4	6.5	8.7	10.9	13.6	19.3	25.0	30.5	36.0
77.5°	0.0	2.7	5.4	8.2	10.9	15.1	22.3	29.4	36.5	43.4	51.8
75°	0.0	3.3	6.5	9.8	13.6	22.3	30.9	39.5	48.4	60.5	72.3
72.5°	0.0	3.8	7.6	11.3	19.3	29.4	39.5	50.6	64.8	78.9	92.7
70°	0.0	4.3	8.6	13.4	25.0	36.5	48.4	64.8	81.1	97.2	114.5
67.5°	0.0	4.8	9.6	17.6	30.5	43.4	60.5	78.9	97.2	116.9	136.4
65°	0.0	5.3	10.6	21.7	36.0	51.8	72.3	92.7	114.5	136.4	157.6
62.5°	0.0	5.8	11.6	25.7	41.3	61.5	84.0	107.3	131.5	155.3	177.9
60°	0.0	6.3	12.6	29.6	46.5	71.0	95.4	121.9	148.2	173.2	197.7
57.5°	0.0	6.8	15.1	33.4	53.9	80.3	107.5	136.2	164.0	190.7	218.9
55°	0.0	7.2	17.6	37.1	61.1	89.3	119.5	150.1	179.1	208.3	240.4
52.5°	0.0	7.7	20.0	40.7	68.1	98.3	131.1	163.1	193.9	227.1	261.3
50°	0.0	8.1	22.3	44.2	74.9	107.6	142.3	175.6	208.8	245.4	287.3
47.5°	0.0	8.5	24.6	48.0	81.5	116.6	153.1	187.7	224.5	263.1	313.1
45°	0.0	8.9	26.7	52.7	87.8	125.3	163.0	199.3	239.6	285.3	338.0
42.5°	0.0	9.3	28.8	57.2	93.8	133.6	172.6	211.4	254.1	306.8	367.4
40°	0.0	9.7	30.8	61.5	99.9	141.6	181.7	223.5	269.4	327.4	396.4
37.5°	0.0	10.0	32.6	65.6	105.9	149.1	190.4	235.0	286.7	348.4	424.1
35°	0.0	10.3	34.4	69.5	111.6	156.1	198.6	245.9	303.1	371.9	452.3
32.5°	0.0	10.6	36.1	73.2	116.9	162.5	206.6	256.2	318.6	394.0	482.0
30°	0.0	10.9	37.6	76.6	121.9	168.4	214.8	266.5	333.1	414.8	509.9
27.5°	0.0	11.2	39.1	79.7	126.6	174.0	222.4	278.2	347.8	434.1	535.8
25°	0.0	11.4	40.4	82.6	130.8	179.1	229.4	288.9	363.5	454.2	560.0
22.5°	0.0	11.6	41.6	85.2	134.7	183.8	235.8	298.8	377.9	473.7	588.2
20°	0.0	11.8	42.7	87.6	138.2	188.0	241.5	307.6	390.8	491.3	613.8
17.5°	0.0	12.0	43.6	89.7	141.3	191.7	246.6	315.5	402.3	506.9	636.4
15°	0.0	12.2	44.5	91.6	144.0	194.9	251.1	322.3	412.3	520.5	656.3
12.5°	0.0	12.3	45.2	93.1	146.3	197.7	254.8	328.2	420.8	532.1	673.1
10°	0.0	12.4	45.8	94.4	148.2	200.0	258.0	332.9	427.8	541.6	687.0
7.5°	0.0	12.5	46.2	95.4	149.7	201.7	260.4	336.7	433.3	549.1	697.8
5°	0.0	12.6	46.5	96.1	150.8	203.0	262.1	339.4	437.2	554.4	705.6
2.5°	0.0	12.6	46.7	96.6	151.4	203.7	263.2	341.0	439.5	557.6	710.2
0°	0.0	12.6	46.8	96.7	151.6	204.0	263.5	341.5	440.3	558.7	711.8
-2.5°	0.0	12.6	46.7	96.6	151.4	203.7	263.2	341.0	439.5	557.6	710.2
-5°	0.0	12.6	46.5	96.1	150.8	203.0	262.1	339.4	437.2	554.4	705.6
-7.5°	0.0	12.5	46.2	95.4	149.7	201.7	260.4	336.7	433.3	549.1	697.8
-10°	0.0	12.4	45.8	94.4	148.2	200.0	258.0	332.9	427.8	541.6	687.0
-12.5°	0.0	12.3	45.2	93.1	146.3	197.7	254.8	328.2	420.8	532.1	673.1
-15°	0.0	12.2	44.5	91.6	144.0	194.9	251.1	322.3	412.3	520.5	656.3
-17.5°	0.0	12.0	43.6	89.7	141.3	191.7	246.6	315.5	402.3	506.9	636.4
-20°	0.0	11.8	42.7	87.6	138.2	188.0	241.5	307.6	390.8	491.3	613.8

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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	11.6	41.6	85.2	134.7	183.8	235.8	298.8	377.9	473.7	588.2
-25°	0.0	11.4	40.4	82.6	130.8	179.1	229.4	288.9	363.5	454.2	560.0
-27.5°	0.0	11.2	39.1	79.7	126.6	174.0	222.4	278.2	347.8	434.1	535.8
-30°	0.0	10.9	37.6	76.6	121.9	168.4	214.8	266.5	333.1	414.8	509.9
-32.5°	0.0	10.6	36.1	73.2	116.9	162.5	206.6	256.2	318.6	394.0	482.0
-35°	0.0	10.3	34.4	69.5	111.6	156.1	198.6	245.9	303.1	371.9	452.3
-37.5°	0.0	10.0	32.6	65.6	105.9	149.1	190.4	235.0	286.7	348.4	424.1
-40°	0.0	9.7	30.8	61.5	99.9	141.6	181.7	223.5	269.4	327.4	396.4
-42.5°	0.0	9.3	28.8	57.2	93.8	133.6	172.6	211.4	254.1	306.8	367.4
-45°	0.0	8.9	26.7	52.7	87.8	125.3	163.0	199.3	239.6	285.3	338.0
-47.5°	0.0	8.5	24.6	48.0	81.5	116.6	153.1	187.7	224.5	263.1	313.1
-50°	0.0	8.1	22.3	44.2	74.9	107.6	142.3	175.6	208.8	245.4	287.3
-52.5°	0.0	7.7	20.0	40.7	68.1	98.3	131.1	163.1	193.9	227.1	261.3
-55°	0.0	7.2	17.6	37.1	61.1	89.3	119.5	150.1	179.1	208.3	240.4
-57.5°	0.0	6.8	15.1	33.4	53.9	80.3	107.5	136.2	164.0	190.7	218.9
-60°	0.0	6.3	12.6	29.6	46.5	71.0	95.4	121.9	148.2	173.2	197.7
-62.5°	0.0	5.8	11.6	25.7	41.3	61.5	84.0	107.3	131.5	155.3	177.9
-65°	0.0	5.3	10.6	21.7	36.0	51.8	72.3	92.7	114.5	136.4	157.6
-67.5°	0.0	4.8	9.6	17.6	30.5	43.4	60.5	78.9	97.2	116.9	136.4
-70°	0.0	4.3	8.6	13.4	25.0	36.5	48.4	64.8	81.1	97.2	114.5
-72.5°	0.0	3.8	7.6	11.3	19.3	29.4	39.5	50.6	64.8	78.9	92.7
-75°	0.0	3.3	6.5	9.8	13.6	22.3	30.9	39.5	48.4	60.5	72.3
-77.5°	0.0	2.7	5.4	8.2	10.9	15.1	22.3	29.4	36.5	43.4	51.8
-80°	0.0	2.2	4.4	6.5	8.7	10.9	13.6	19.3	25.0	30.5	36.0
-82.5°	0.0	1.6	3.3	4.9	6.5	8.2	9.8	11.3	13.4	17.6	21.7
-85°	0.0	1.1	2.2	3.3	4.4	5.4	6.5	7.6	8.6	9.6	10.6
-87.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.8	5.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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 CATALOG NUMBER: GFLD-SA1D-735-U-LAM-XX

**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°	5.8	6.3	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.7	10.0
85°	11.6	12.6	15.1	17.6	20.0	22.3	24.6	26.7	28.8	30.8	32.6
82.5°	25.7	29.6	33.4	37.1	40.7	44.2	48.0	52.7	57.2	61.5	65.6
80°	41.3	46.5	53.9	61.1	68.1	74.9	81.5	87.8	93.8	99.9	105.9
77.5°	61.5	71.0	80.3	89.3	98.3	107.6	116.6	125.3	133.6	141.6	149.1
75°	84.0	95.4	107.5	119.5	131.1	142.3	153.1	163.0	172.6	181.7	190.4
72.5°	107.3	121.9	136.2	150.1	163.1	175.6	187.7	199.3	211.4	223.5	235.0
70°	131.5	148.2	164.0	179.1	193.9	208.8	224.5	239.6	254.1	269.4	286.7
67.5°	155.3	173.2	190.7	208.3	227.1	245.4	263.1	285.3	306.8	327.4	348.4
65°	177.9	197.7	218.9	240.4	261.3	287.3	313.1	338.0	367.4	396.4	424.1
62.5°	200.0	224.2	248.4	274.7	304.9	334.2	368.3	403.0	436.5	474.2	510.8
60°	224.2	251.1	281.7	315.5	350.2	390.8	430.1	473.7	517.6	560.0	612.0
57.5°	248.4	281.7	319.0	359.3	404.4	450.0	501.1	550.6	610.0	669.2	728.2
55°	274.7	315.5	359.3	409.0	461.0	517.7	577.0	646.1	713.0	787.5	858.9
52.5°	304.9	350.2	404.4	461.0	523.3	591.5	668.0	747.1	830.5	911.4	990.8
50°	334.2	390.8	450.0	517.7	591.5	675.3	764.3	856.5	947.5	1036.2	1119.4
47.5°	368.3	430.1	501.1	577.0	668.0	764.3	865.2	965.6	1063.8	1154.8	1242.0
45°	403.0	473.7	550.6	646.1	747.1	856.5	965.6	1073.0	1172.7	1266.8	1349.1
42.5°	436.5	517.6	610.0	713.0	830.5	947.5	1063.8	1172.7	1274.8	1365.4	1448.1
40°	474.2	560.0	669.2	787.5	911.4	1036.2	1154.8	1266.8	1365.4	1455.6	1539.4
37.5°	510.8	612.0	728.2	858.9	990.8	1119.4	1242.0	1349.1	1448.1	1539.4	1619.7
35°	545.7	661.5	790.9	928.1	1066.5	1197.3	1316.6	1425.6	1524.0	1612.6	1694.7
32.5°	584.4	708.2	850.2	994.5	1135.6	1268.7	1387.0	1493.6	1591.5	1681.4	1762.9
30°	624.3	758.7	906.5	1057.2	1200.4	1330.6	1448.7	1556.7	1653.7	1742.6	1822.5
27.5°	661.5	806.2	960.2	1113.8	1259.6	1388.6	1505.2	1611.5	1709.1	1798.5	1875.9
25°	695.8	850.2	1010.0	1165.6	1309.4	1438.8	1556.4	1662.6	1759.7	1845.5	1920.8
22.5°	729.7	890.5	1055.5	1213.2	1355.2	1483.6	1600.2	1706.7	1803.8	1888.8	1961.1
20°	762.7	928.1	1095.8	1255.4	1396.8	1524.4	1640.0	1746.3	1840.8	1923.1	1995.1
17.5°	792.0	961.5	1130.9	1289.5	1431.0	1559.1	1675.2	1781.9	1874.1	1954.1	2024.4
15°	817.6	990.8	1161.7	1319.3	1460.4	1588.0	1704.2	1809.6	1901.2	1980.6	2050.3
12.5°	839.5	1015.7	1187.9	1344.7	1485.5	1612.8	1728.9	1832.9	1923.0	2001.3	2069.6
10°	857.4	1036.2	1209.5	1365.7	1506.2	1633.2	1749.4	1852.2	1941.0	2018.5	2085.6
7.5°	871.5	1052.3	1226.4	1382.2	1522.5	1649.2	1765.5	1867.3	1955.2	2032.0	2098.2
5°	881.5	1063.8	1238.6	1393.9	1534.1	1660.7	1777.0	1878.2	1965.5	2041.8	2107.3
2.5°	887.6	1070.7	1245.9	1401.0	1541.2	1667.6	1784.0	1884.8	1971.6	2047.7	2112.9
0°	889.6	1073.0	1248.3	1403.4	1543.5	1669.9	1786.3	1887.0	1973.7	2049.7	2114.7
-2.5°	887.6	1070.7	1245.9	1401.0	1541.2	1667.6	1784.0	1884.8	1971.6	2047.7	2112.9
-5°	881.5	1063.8	1238.6	1393.9	1534.1	1660.7	1777.0	1878.2	1965.5	2041.8	2107.3
-7.5°	871.5	1052.3	1226.4	1382.2	1522.5	1649.2	1765.5	1867.3	1955.2	2032.0	2098.2
-10°	857.4	1036.2	1209.5	1365.7	1506.2	1633.2	1749.4	1852.2	1941.0	2018.5	2085.6
-12.5°	839.5	1015.7	1187.9	1344.7	1485.5	1612.8	1728.9	1832.9	1923.0	2001.3	2069.6
-15°	817.6	990.8	1161.7	1319.3	1460.4	1588.0	1704.2	1809.6	1901.2	1980.6	2050.3
-17.5°	792.0	961.5	1130.9	1289.5	1431.0	1559.1	1675.2	1781.9	1874.1	1954.1	2024.4
-20°	762.7	928.1	1095.8	1255.4	1396.8	1524.4	1640.0	1746.3	1840.8	1923.1	1995.1

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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	729.7	890.5	1055.5	1213.2	1355.2	1483.6	1600.2	1706.7	1803.8	1888.8	1961.1
-25°	695.8	850.2	1010.0	1165.6	1309.4	1438.8	1556.4	1662.6	1759.7	1845.5	1920.8
-27.5°	661.5	806.2	960.2	1113.8	1259.6	1388.6	1505.2	1611.5	1709.1	1798.5	1875.9
-30°	624.3	758.7	906.5	1057.2	1200.4	1330.6	1448.7	1556.7	1653.7	1742.6	1822.5
-32.5°	584.4	708.2	850.2	994.5	1135.6	1268.7	1387.0	1493.6	1591.5	1681.4	1762.9
-35°	545.7	661.5	790.9	928.1	1066.5	1197.3	1316.6	1425.6	1524.0	1612.6	1694.7
-37.5°	510.8	612.0	728.2	858.9	990.8	1119.4	1242.0	1349.1	1448.1	1539.4	1619.7
-40°	474.2	560.0	669.2	787.5	911.4	1036.2	1154.8	1266.8	1365.4	1455.6	1539.4
-42.5°	436.5	517.6	610.0	713.0	830.5	947.5	1063.8	1172.7	1274.8	1365.4	1448.1
-45°	403.0	473.7	550.6	646.1	747.1	856.5	965.6	1073.0	1172.7	1266.8	1349.1
-47.5°	368.3	430.1	501.1	577.0	668.0	764.3	865.2	965.6	1063.8	1154.8	1242.0
-50°	334.2	390.8	450.0	517.7	591.5	675.3	764.3	856.5	947.5	1036.2	1119.4
-52.5°	304.9	350.2	404.4	461.0	523.3	591.5	668.0	747.1	830.5	911.4	990.8
-55°	274.7	315.5	359.3	409.0	461.0	517.7	577.0	646.1	713.0	787.5	858.9
-57.5°	248.4	281.7	319.0	359.3	404.4	450.0	501.1	550.6	610.0	669.2	728.2
-60°	224.2	251.1	281.7	315.5	350.2	390.8	430.1	473.7	517.6	560.0	612.0
-62.5°	200.0	224.2	248.4	274.7	304.9	334.2	368.3	403.0	436.5	474.2	510.8
-65°	177.9	197.7	218.9	240.4	261.3	287.3	313.1	338.0	367.4	396.4	424.1
-67.5°	155.3	173.2	190.7	208.3	227.1	245.4	263.1	285.3	306.8	327.4	348.4
-70°	131.5	148.2	164.0	179.1	193.9	208.8	224.5	239.6	254.1	269.4	286.7
-72.5°	107.3	121.9	136.2	150.1	163.1	175.6	187.7	199.3	211.4	223.5	235.0
-75°	84.0	95.4	107.5	119.5	131.1	142.3	153.1	163.0	172.6	181.7	190.4
-77.5°	61.5	71.0	80.3	89.3	98.3	107.6	116.6	125.3	133.6	141.6	149.1
-80°	41.3	46.5	53.9	61.1	68.1	74.9	81.5	87.8	93.8	99.9	105.9
-82.5°	25.7	29.6	33.4	37.1	40.7	44.2	48.0	52.7	57.2	61.5	65.6
-85°	11.6	12.6	15.1	17.6	20.0	22.3	24.6	26.7	28.8	30.8	32.6
-87.5°	5.8	6.3	6.8	7.2	7.7	8.1	8.5	8.9	9.3	9.7	10.0
-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: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	10.3	10.6	10.9	11.2	11.4	11.6	11.8	12.0	12.2	12.3	12.4
85°	34.4	36.1	37.6	39.1	40.4	41.6	42.7	43.6	44.5	45.2	45.8
82.5°	69.5	73.2	76.6	79.7	82.6	85.2	87.6	89.7	91.6	93.1	94.4
80°	111.6	116.9	121.9	126.6	130.8	134.7	138.2	141.3	144.0	146.3	148.2
77.5°	156.1	162.5	168.4	174.0	179.1	183.8	188.0	191.7	194.9	197.7	200.0
75°	198.6	206.6	214.8	222.4	229.4	235.8	241.5	246.6	251.1	254.8	258.0
72.5°	245.9	256.2	266.5	278.2	288.9	298.8	307.6	315.5	322.3	328.2	332.9
70°	303.1	318.6	333.1	347.8	363.5	377.9	390.8	402.3	412.3	420.8	427.8
67.5°	371.9	394.0	414.8	434.1	454.2	473.7	491.3	506.9	520.5	532.1	541.6
65°	452.3	482.0	509.9	535.8	560.0	588.2	613.8	636.4	656.3	673.1	687.0
62.5°	545.7	584.4	624.3	661.5	695.8	729.7	762.7	792.0	817.6	839.5	857.4
60°	661.5	708.2	758.7	806.2	850.2	890.5	928.1	961.5	990.8	1015.7	1036.2
57.5°	790.9	850.2	906.5	960.2	1010.0	1055.5	1095.8	1130.9	1161.7	1187.9	1209.5
55°	928.1	994.5	1057.2	1113.8	1165.6	1213.2	1255.4	1289.5	1319.3	1344.7	1365.7
52.5°	1066.5	1135.6	1200.4	1259.6	1309.4	1355.2	1396.8	1431.0	1460.4	1485.5	1506.2
50°	1197.3	1268.7	1330.6	1388.6	1438.8	1483.6	1524.4	1559.1	1588.0	1612.8	1633.2
47.5°	1316.6	1387.0	1448.7	1505.2	1556.4	1600.2	1640.0	1675.2	1704.2	1728.9	1749.4
45°	1425.6	1493.6	1556.7	1611.5	1662.6	1706.7	1746.3	1781.9	1809.6	1832.9	1852.2
42.5°	1524.0	1591.5	1653.7	1709.1	1759.7	1803.8	1840.8	1874.1	1901.2	1923.0	1941.0
40°	1612.6	1681.4	1742.6	1798.5	1845.5	1888.8	1923.1	1954.1	1980.6	2001.3	2018.5
37.5°	1694.7	1762.9	1822.5	1875.9	1920.8	1961.1	1995.1	2024.4	2050.3	2069.6	2085.6
35°	1769.8	1834.6	1893.5	1942.6	1987.0	2024.9	2058.3	2085.4	2109.5	2127.9	2142.5
32.5°	1834.6	1898.8	1953.6	2001.8	2045.2	2080.6	2112.7	2137.5	2159.4	2177.0	2190.6
30°	1893.5	1953.6	2006.8	2054.6	2094.2	2128.6	2157.5	2181.8	2202.0	2218.9	2230.8
27.5°	1942.6	2001.8	2054.6	2098.7	2136.6	2169.7	2196.2	2219.6	2237.2	2252.7	2263.0
25°	1987.0	2045.2	2094.2	2136.6	2173.3	2203.6	2228.8	2250.0	2265.6	2278.8	2286.5
22.5°	2024.9	2080.6	2128.6	2169.7	2203.6	2231.9	2255.7	2273.6	2286.4	2294.4	2298.9
20°	2058.3	2112.7	2157.5	2196.2	2228.8	2255.7	2276.3	2289.5	2298.4	2300.6	2301.9
17.5°	2085.4	2137.5	2181.8	2219.6	2250.0	2273.6	2289.5	2298.8	2301.5	2301.0	2299.7
15°	2109.5	2159.4	2202.0	2237.2	2265.6	2286.4	2298.4	2301.5	2300.7	2298.0	2293.9
12.5°	2127.9	2177.0	2218.9	2252.7	2278.8	2294.4	2300.6	2301.0	2298.0	2292.9	2287.0
10°	2142.5	2190.6	2230.8	2263.0	2286.5	2298.9	2301.9	2299.7	2293.9	2287.0	2280.4
7.5°	2154.0	2201.4	2240.3	2271.2	2291.5	2300.3	2300.9	2296.8	2289.8	2281.9	2274.8
5°	2162.4	2209.2	2247.2	2277.1	2295.1	2301.3	2300.2	2294.5	2286.4	2278.2	2271.7
2.5°	2167.4	2213.9	2251.4	2280.8	2297.3	2301.9	2299.7	2293.1	2284.2	2275.7	2269.6
0°	2169.1	2215.5	2252.8	2282.0	2298.1	2302.1	2299.6	2292.6	2283.5	2274.9	2268.9
-2.5°	2167.4	2213.9	2251.4	2280.8	2297.3	2301.9	2299.7	2293.1	2284.2	2275.7	2269.6
-5°	2162.4	2209.2	2247.2	2277.1	2295.1	2301.3	2300.2	2294.5	2286.4	2278.2	2271.7
-7.5°	2154.0	2201.4	2240.3	2271.2	2291.5	2300.3	2300.9	2296.8	2289.8	2281.9	2274.8
-10°	2142.5	2190.6	2230.8	2263.0	2286.5	2298.9	2301.9	2299.7	2293.9	2287.0	2280.4
-12.5°	2127.9	2177.0	2218.9	2252.7	2278.8	2294.4	2300.6	2301.0	2298.0	2292.9	2287.0
-15°	2109.5	2159.4	2202.0	2237.2	2265.6	2286.4	2298.4	2301.5	2300.7	2298.0	2293.9
-17.5°	2085.4	2137.5	2181.8	2219.6	2250.0	2273.6	2289.5	2298.8	2301.5	2301.0	2299.7
-20°	2058.3	2112.7	2157.5	2196.2	2228.8	2255.7	2276.3	2289.5	2298.4	2300.6	2301.9



REPORT NUMBER: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2024.9	2080.6	2128.6	2169.7	2203.6	2231.9	2255.7	2273.6	2286.4	2294.4	2298.9
-25°	1987.0	2045.2	2094.2	2136.6	2173.3	2203.6	2228.8	2250.0	2265.6	2278.8	2286.5
-27.5°	1942.6	2001.8	2054.6	2098.7	2136.6	2169.7	2196.2	2219.6	2237.2	2252.7	2263.0
-30°	1893.5	1953.6	2006.8	2054.6	2094.2	2128.6	2157.5	2181.8	2202.0	2218.9	2230.8
-32.5°	1834.6	1898.8	1953.6	2001.8	2045.2	2080.6	2112.7	2137.5	2159.4	2177.0	2190.6
-35°	1769.8	1834.6	1893.5	1942.6	1987.0	2024.9	2058.3	2085.4	2109.5	2127.9	2142.5
-37.5°	1694.7	1762.9	1822.5	1875.9	1920.8	1961.1	1995.1	2024.4	2050.3	2069.6	2085.6
-40°	1612.6	1681.4	1742.6	1798.5	1845.5	1888.8	1923.1	1954.1	1980.6	2001.3	2018.5
-42.5°	1524.0	1591.5	1653.7	1709.1	1759.7	1803.8	1840.8	1874.1	1901.2	1923.0	1941.0
-45°	1425.6	1493.6	1556.7	1611.5	1662.6	1706.7	1746.3	1781.9	1809.6	1832.9	1852.2
-47.5°	1316.6	1387.0	1448.7	1505.2	1556.4	1600.2	1640.0	1675.2	1704.2	1728.9	1749.4
-50°	1197.3	1268.7	1330.6	1388.6	1438.8	1483.6	1524.4	1559.1	1588.0	1612.8	1633.2
-52.5°	1066.5	1135.6	1200.4	1259.6	1309.4	1355.2	1396.8	1431.0	1460.4	1485.5	1506.2
-55°	928.1	994.5	1057.2	1113.8	1165.6	1213.2	1255.4	1289.5	1319.3	1344.7	1365.7
-57.5°	790.9	850.2	906.5	960.2	1010.0	1055.5	1095.8	1130.9	1161.7	1187.9	1209.5
-60°	661.5	708.2	758.7	806.2	850.2	890.5	928.1	961.5	990.8	1015.7	1036.2
-62.5°	545.7	584.4	624.3	661.5	695.8	729.7	762.7	792.0	817.6	839.5	857.4
-65°	452.3	482.0	509.9	535.8	560.0	588.2	613.8	636.4	656.3	673.1	687.0
-67.5°	371.9	394.0	414.8	434.1	454.2	473.7	491.3	506.9	520.5	532.1	541.6
-70°	303.1	318.6	333.1	347.8	363.5	377.9	390.8	402.3	412.3	420.8	427.8
-72.5°	245.9	256.2	266.5	278.2	288.9	298.8	307.6	315.5	322.3	328.2	332.9
-75°	198.6	206.6	214.8	222.4	229.4	235.8	241.5	246.6	251.1	254.8	258.0
-77.5°	156.1	162.5	168.4	174.0	179.1	183.8	188.0	191.7	194.9	197.7	200.0
-80°	111.6	116.9	121.9	126.6	130.8	134.7	138.2	141.3	144.0	146.3	148.2
-82.5°	69.5	73.2	76.6	79.7	82.6	85.2	87.6	89.7	91.6	93.1	94.4
-85°	34.4	36.1	37.6	39.1	40.4	41.6	42.7	43.6	44.5	45.2	45.8
-87.5°	10.3	10.6	10.9	11.2	11.4	11.6	11.8	12.0	12.2	12.3	12.4
-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: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.3	12.2	12.0
85°	46.2	46.5	46.7	46.8	46.7	46.5	46.2	45.8	45.2	44.5	43.6
82.5°	95.4	96.1	96.6	96.7	96.6	96.1	95.4	94.4	93.1	91.6	89.7
80°	149.7	150.8	151.4	151.6	151.4	150.8	149.7	148.2	146.3	144.0	141.3
77.5°	201.7	203.0	203.7	204.0	203.7	203.0	201.7	200.0	197.7	194.9	191.7
75°	260.4	262.1	263.2	263.5	263.2	262.1	260.4	258.0	254.8	251.1	246.6
72.5°	336.7	339.4	341.0	341.5	341.0	339.4	336.7	332.9	328.2	322.3	315.5
70°	433.3	437.2	439.5	440.3	439.5	437.2	433.3	427.8	420.8	412.3	402.3
67.5°	549.1	554.4	557.6	558.7	557.6	554.4	549.1	541.6	532.1	520.5	506.9
65°	697.8	705.6	710.2	711.8	710.2	705.6	697.8	687.0	673.1	656.3	636.4
62.5°	871.5	881.5	887.6	889.6	887.6	881.5	871.5	857.4	839.5	817.6	792.0
60°	1052.3	1063.8	1070.7	1073.0	1070.7	1063.8	1052.3	1036.2	1015.7	990.8	961.5
57.5°	1226.4	1238.6	1245.9	1248.3	1245.9	1238.6	1226.4	1209.5	1187.9	1161.7	1130.9
55°	1382.2	1393.9	1401.0	1403.4	1401.0	1393.9	1382.2	1365.7	1344.7	1319.3	1289.5
52.5°	1522.5	1534.1	1541.2	1543.5	1541.2	1534.1	1522.5	1506.2	1485.5	1460.4	1431.0
50°	1649.2	1660.7	1667.6	1669.9	1667.6	1660.7	1649.2	1633.2	1612.8	1588.0	1559.1
47.5°	1765.5	1777.0	1784.0	1786.3	1784.0	1777.0	1765.5	1749.4	1728.9	1704.2	1675.2
45°	1867.3	1878.2	1884.8	1887.0	1884.8	1878.2	1867.3	1852.2	1832.9	1809.6	1781.9
42.5°	1955.2	1965.5	1971.6	1973.7	1971.6	1965.5	1955.2	1941.0	1923.0	1901.2	1874.1
40°	2032.0	2041.8	2047.7	2049.7	2047.7	2041.8	2032.0	2018.5	2001.3	1980.6	1954.1
37.5°	2098.2	2107.3	2112.9	2114.7	2112.9	2107.3	2098.2	2085.6	2069.6	2050.3	2024.4
35°	2154.0	2162.4	2167.4	2169.1	2167.4	2162.4	2154.0	2142.5	2127.9	2109.5	2085.4
32.5°	2201.4	2209.2	2213.9	2215.5	2213.9	2209.2	2201.4	2190.6	2177.0	2159.4	2137.5
30°	2240.3	2247.2	2251.4	2252.8	2251.4	2247.2	2240.3	2230.8	2218.9	2202.0	2181.8
27.5°	2271.2	2277.1	2280.8	2282.0	2280.8	2277.1	2271.2	2263.0	2252.7	2237.2	2219.6
25°	2291.5	2295.1	2297.3	2298.1	2297.3	2295.1	2291.5	2286.5	2278.8	2265.6	2250.0
22.5°	2300.3	2301.3	2301.9	2302.1	2301.9	2301.3	2300.3	2298.9	2294.4	2286.4	2273.6
20°	2300.9	2300.2	2299.7	2299.6	2299.7	2300.2	2300.9	2301.9	2300.6	2298.4	2289.5
17.5°	2296.8	2294.5	2293.1	2292.6	2293.1	2294.5	2296.8	2299.7	2301.0	2301.5	2298.8
15°	2289.8	2286.4	2284.2	2283.5	2284.2	2286.4	2289.8	2293.9	2298.0	2300.7	2301.5
12.5°	2281.9	2278.2	2275.7	2274.9	2275.7	2278.2	2281.9	2287.0	2292.9	2298.0	2301.0
10°	2274.8	2271.7	2269.6	2268.9	2269.6	2271.7	2274.8	2280.4	2287.0	2293.9	2299.7
7.5°	2270.3	2267.5	2265.9	2265.3	2265.9	2267.5	2270.3	2274.8	2281.9	2289.8	2296.8
5°	2267.5	2264.6	2262.2	2261.3	2262.2	2264.6	2267.5	2271.7	2278.2	2286.4	2294.5
2.5°	2265.9	2262.2	2258.7	2256.8	2258.7	2262.2	2265.9	2269.6	2275.7	2284.2	2293.1
0°	2265.3	2261.3	2256.8	2257.3	2256.8	2261.3	2265.3	2268.9	2274.9	2283.5	2292.6
-2.5°	2265.9	2262.2	2258.7	2256.8	2258.7	2262.2	2265.9	2269.6	2275.7	2284.2	2293.1
-5°	2267.5	2264.6	2262.2	2261.3	2262.2	2264.6	2267.5	2271.7	2278.2	2286.4	2294.5
-7.5°	2270.3	2267.5	2265.9	2265.3	2265.9	2267.5	2270.3	2274.8	2281.9	2289.8	2296.8
-10°	2274.8	2271.7	2269.6	2268.9	2269.6	2271.7	2274.8	2280.4	2287.0	2293.9	2299.7
-12.5°	2281.9	2278.2	2275.7	2274.9	2275.7	2278.2	2281.9	2287.0	2292.9	2298.0	2301.0
-15°	2289.8	2286.4	2284.2	2283.5	2284.2	2286.4	2289.8	2293.9	2298.0	2300.7	2301.5
-17.5°	2296.8	2294.5	2293.1	2292.6	2293.1	2294.5	2296.8	2299.7	2301.0	2301.5	2298.8
-20°	2300.9	2300.2	2299.7	2299.6	2299.7	2300.2	2300.9	2301.9	2300.6	2298.4	2289.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA1D-735-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2300.3	2301.3	2301.9	2302.1	2301.9	2301.3	2300.3	2298.9	2294.4	2286.4	2273.6
-25°	2291.5	2295.1	2297.3	2298.1	2297.3	2295.1	2291.5	2286.5	2278.8	2265.6	2250.0
-27.5°	2271.2	2277.1	2280.8	2282.0	2280.8	2277.1	2271.2	2263.0	2252.7	2237.2	2219.6
-30°	2240.3	2247.2	2251.4	2252.8	2251.4	2247.2	2240.3	2230.8	2218.9	2202.0	2181.8
-32.5°	2201.4	2209.2	2213.9	2215.5	2213.9	2209.2	2201.4	2190.6	2177.0	2159.4	2137.5
-35°	2154.0	2162.4	2167.4	2169.1	2167.4	2162.4	2154.0	2142.5	2127.9	2109.5	2085.4
-37.5°	2098.2	2107.3	2112.9	2114.7	2112.9	2107.3	2098.2	2085.6	2069.6	2050.3	2024.4
-40°	2032.0	2041.8	2047.7	2049.7	2047.7	2041.8	2032.0	2018.5	2001.3	1980.6	1954.1
-42.5°	1955.2	1965.5	1971.6	1973.7	1971.6	1965.5	1955.2	1941.0	1923.0	1901.2	1874.1
-45°	1867.3	1878.2	1884.8	1887.0	1884.8	1878.2	1867.3	1852.2	1832.9	1809.6	1781.9
-47.5°	1765.5	1777.0	1784.0	1786.3	1784.0	1777.0	1765.5	1749.4	1728.9	1704.2	1675.2
-50°	1649.2	1660.7	1667.6	1669.9	1667.6	1660.7	1649.2	1633.2	1612.8	1588.0	1559.1
-52.5°	1522.5	1534.1	1541.2	1543.5	1541.2	1534.1	1522.5	1506.2	1485.5	1460.4	1431.0
-55°	1382.2	1393.9	1401.0	1403.4	1401.0	1393.9	1382.2	1365.7	1344.7	1319.3	1289.5
-57.5°	1226.4	1238.6	1245.9	1248.3	1245.9	1238.6	1226.4	1209.5	1187.9	1161.7	1130.9
-60°	1052.3	1063.8	1070.7	1073.0	1070.7	1063.8	1052.3	1036.2	1015.7	990.8	961.5
-62.5°	871.5	881.5	887.6	889.6	887.6	881.5	871.5	857.4	839.5	817.6	792.0
-65°	697.8	705.6	710.2	711.8	710.2	705.6	697.8	687.0	673.1	656.3	636.4
-67.5°	549.1	554.4	557.6	558.7	557.6	554.4	549.1	541.6	532.1	520.5	506.9
-70°	433.3	437.2	439.5	440.3	439.5	437.2	433.3	427.8	420.8	412.3	402.3
-72.5°	336.7	339.4	341.0	341.5	341.0	339.4	336.7	332.9	328.2	322.3	315.5
-75°	260.4	262.1	263.2	263.5	263.2	262.1	260.4	258.0	254.8	251.1	246.6
-77.5°	201.7	203.0	203.7	204.0	203.7	203.0	201.7	200.0	197.7	194.9	191.7
-80°	149.7	150.8	151.4	151.6	151.4	150.8	149.7	148.2	146.3	144.0	141.3
-82.5°	95.4	96.1	96.6	96.7	96.6	96.1	95.4	94.4	93.1	91.6	89.7
-85°	46.2	46.5	46.7	46.8	46.7	46.5	46.2	45.8	45.2	44.5	43.6
-87.5°	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.3	12.2	12.0
-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: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-735-U-LAM-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°	11.8	11.6	11.4	11.2	10.9	10.6	10.3	10.0	9.7	9.3	8.9
85°	42.7	41.6	40.4	39.1	37.6	36.1	34.4	32.6	30.8	28.8	26.7
82.5°	87.6	85.2	82.6	79.7	76.6	73.2	69.5	65.6	61.5	57.2	52.7
80°	138.2	134.7	130.8	126.6	121.9	116.9	111.6	105.9	99.9	93.8	87.8
77.5°	188.0	183.8	179.1	174.0	168.4	162.5	156.1	149.1	141.6	133.6	125.3
75°	241.5	235.8	229.4	222.4	214.8	206.6	198.6	190.4	181.7	172.6	163.0
72.5°	307.6	298.8	288.9	278.2	266.5	256.2	245.9	235.0	223.5	211.4	199.3
70°	390.8	377.9	363.5	347.8	333.1	318.6	303.1	286.7	269.4	254.1	239.6
67.5°	491.3	473.7	454.2	434.1	414.8	394.0	371.9	348.4	327.4	306.8	285.3
65°	613.8	588.2	560.0	535.8	509.9	482.0	452.3	424.1	396.4	367.4	338.0
62.5°	762.7	729.7	695.8	661.5	624.3	584.4	545.7	510.8	474.2	436.5	403.0
60°	928.1	890.5	850.2	806.2	758.7	708.2	661.5	612.0	560.0	517.6	473.7
57.5°	1095.8	1055.5	1010.0	960.2	906.5	850.2	790.9	728.2	669.2	610.0	550.6
55°	1255.4	1213.2	1165.6	1113.8	1057.2	994.5	928.1	858.9	787.5	713.0	646.1
52.5°	1396.8	1355.2	1309.4	1259.6	1200.4	1135.6	1066.5	990.8	911.4	830.5	747.1
50°	1524.4	1483.6	1438.8	1388.6	1330.6	1268.7	1197.3	1119.4	1036.2	947.5	856.5
47.5°	1640.0	1600.2	1556.4	1505.2	1448.7	1387.0	1316.6	1242.0	1154.8	1063.8	965.6
45°	1746.3	1706.7	1662.6	1611.5	1556.7	1493.6	1425.6	1349.1	1266.8	1172.7	1073.0
42.5°	1840.8	1803.8	1759.7	1709.1	1653.7	1591.5	1524.0	1448.1	1365.4	1274.8	1172.7
40°	1923.1	1888.8	1845.5	1798.5	1742.6	1681.4	1612.6	1539.4	1455.6	1365.4	1266.8
37.5°	1995.1	1961.1	1920.8	1875.9	1822.5	1762.9	1694.7	1619.7	1539.4	1448.1	1349.1
35°	2058.3	2024.9	1987.0	1942.6	1893.5	1834.6	1769.8	1694.7	1612.6	1524.0	1425.6
32.5°	2112.7	2080.6	2045.2	2001.8	1953.6	1898.8	1834.6	1762.9	1681.4	1591.5	1493.6
30°	2157.5	2128.6	2094.2	2054.6	2006.8	1953.6	1893.5	1822.5	1742.6	1653.7	1556.7
27.5°	2196.2	2169.7	2136.6	2098.7	2054.6	2001.8	1942.6	1875.9	1798.5	1709.1	1611.5
25°	2228.8	2203.6	2173.3	2136.6	2094.2	2045.2	1987.0	1920.8	1845.5	1759.7	1662.6
22.5°	2255.7	2231.9	2203.6	2169.7	2128.6	2080.6	2024.9	1961.1	1888.8	1803.8	1706.7
20°	2276.3	2255.7	2228.8	2196.2	2157.5	2112.7	2058.3	1995.1	1923.1	1840.8	1746.3
17.5°	2289.5	2273.6	2250.0	2219.6	2181.8	2137.5	2085.4	2024.4	1954.1	1874.1	1781.9
15°	2298.4	2286.4	2265.6	2237.2	2202.0	2159.4	2109.5	2050.3	1980.6	1901.2	1809.6
12.5°	2300.6	2294.4	2278.8	2252.7	2218.9	2177.0	2127.9	2069.6	2001.3	1923.0	1832.9
10°	2301.9	2298.9	2286.5	2263.0	2230.8	2190.6	2142.5	2085.6	2018.5	1941.0	1852.2
7.5°	2300.9	2300.3	2291.5	2271.2	2240.3	2201.4	2154.0	2098.2	2032.0	1955.2	1867.3
5°	2300.2	2301.3	2295.1	2277.1	2247.2	2209.2	2162.4	2107.3	2041.8	1965.5	1878.2
2.5°	2299.7	2301.9	2297.3	2280.8	2251.4	2213.9	2167.4	2112.9	2047.7	1971.6	1884.8
0°	2299.6	2302.1	2298.1	2282.0	2252.8	2215.5	2169.1	2114.7	2049.7	1973.7	1887.0
-2.5°	2299.7	2301.9	2297.3	2280.8	2251.4	2213.9	2167.4	2112.9	2047.7	1971.6	1884.8
-5°	2300.2	2301.3	2295.1	2277.1	2247.2	2209.2	2162.4	2107.3	2041.8	1965.5	1878.2
-7.5°	2300.9	2300.3	2291.5	2271.2	2240.3	2201.4	2154.0	2098.2	2032.0	1955.2	1867.3
-10°	2301.9	2298.9	2286.5	2263.0	2230.8	2190.6	2142.5	2085.6	2018.5	1941.0	1852.2
-12.5°	2300.6	2294.4	2278.8	2252.7	2218.9	2177.0	2127.9	2069.6	2001.3	1923.0	1832.9
-15°	2298.4	2286.4	2265.6	2237.2	2202.0	2159.4	2109.5	2050.3	1980.6	1901.2	1809.6
-17.5°	2289.5	2273.6	2250.0	2219.6	2181.8	2137.5	2085.4	2024.4	1954.1	1874.1	1781.9
-20°	2276.3	2255.7	2228.8	2196.2	2157.5	2112.7	2058.3	1995.1	1923.1	1840.8	1746.3



REPORT NUMBER: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-735-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2255.7	2231.9	2203.6	2169.7	2128.6	2080.6	2024.9	1961.1	1888.8	1803.8	1706.7
-25°	2228.8	2203.6	2173.3	2136.6	2094.2	2045.2	1987.0	1920.8	1845.5	1759.7	1662.6
-27.5°	2196.2	2169.7	2136.6	2098.7	2054.6	2001.8	1942.6	1875.9	1798.5	1709.1	1611.5
-30°	2157.5	2128.6	2094.2	2054.6	2006.8	1953.6	1893.5	1822.5	1742.6	1653.7	1556.7
-32.5°	2112.7	2080.6	2045.2	2001.8	1953.6	1898.8	1834.6	1762.9	1681.4	1591.5	1493.6
-35°	2058.3	2024.9	1987.0	1942.6	1893.5	1834.6	1769.8	1694.7	1612.6	1524.0	1425.6
-37.5°	1995.1	1961.1	1920.8	1875.9	1822.5	1762.9	1694.7	1619.7	1539.4	1448.1	1349.1
-40°	1923.1	1888.8	1845.5	1798.5	1742.6	1681.4	1612.6	1539.4	1455.6	1365.4	1266.8
-42.5°	1840.8	1803.8	1759.7	1709.1	1653.7	1591.5	1524.0	1448.1	1365.4	1274.8	1172.7
-45°	1746.3	1706.7	1662.6	1611.5	1556.7	1493.6	1425.6	1349.1	1266.8	1172.7	1073.0
-47.5°	1640.0	1600.2	1556.4	1505.2	1448.7	1387.0	1316.6	1242.0	1154.8	1063.8	965.6
-50°	1524.4	1483.6	1438.8	1388.6	1330.6	1268.7	1197.3	1119.4	1036.2	947.5	856.5
-52.5°	1396.8	1355.2	1309.4	1259.6	1200.4	1135.6	1066.5	990.8	911.4	830.5	747.1
-55°	1255.4	1213.2	1165.6	1113.8	1057.2	994.5	928.1	858.9	787.5	713.0	646.1
-57.5°	1095.8	1055.5	1010.0	960.2	906.5	850.2	790.9	728.2	669.2	610.0	550.6
-60°	928.1	890.5	850.2	806.2	758.7	708.2	661.5	612.0	560.0	517.6	473.7
-62.5°	762.7	729.7	695.8	661.5	624.3	584.4	545.7	510.8	474.2	436.5	403.0
-65°	613.8	588.2	560.0	535.8	509.9	482.0	452.3	424.1	396.4	367.4	338.0
-67.5°	491.3	473.7	454.2	434.1	414.8	394.0	371.9	348.4	327.4	306.8	285.3
-70°	390.8	377.9	363.5	347.8	333.1	318.6	303.1	286.7	269.4	254.1	239.6
-72.5°	307.6	298.8	288.9	278.2	266.5	256.2	245.9	235.0	223.5	211.4	199.3
-75°	241.5	235.8	229.4	222.4	214.8	206.6	198.6	190.4	181.7	172.6	163.0
-77.5°	188.0	183.8	179.1	174.0	168.4	162.5	156.1	149.1	141.6	133.6	125.3
-80°	138.2	134.7	130.8	126.6	121.9	116.9	111.6	105.9	99.9	93.8	87.8
-82.5°	87.6	85.2	82.6	79.7	76.6	73.2	69.5	65.6	61.5	57.2	52.7
-85°	42.7	41.6	40.4	39.1	37.6	36.1	34.4	32.6	30.8	28.8	26.7
-87.5°	11.8	11.6	11.4	11.2	10.9	10.6	10.3	10.0	9.7	9.3	8.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645338 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA1D-735-U-LAM-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°	8.5	8.1	7.7	7.2	6.8	6.3	5.8	5.3	4.8	4.3	3.8
85°	24.6	22.3	20.0	17.6	15.1	12.6	11.6	10.6	9.6	8.6	7.6
82.5°	48.0	44.2	40.7	37.1	33.4	29.6	25.7	21.7	17.6	13.4	11.3
80°	81.5	74.9	68.1	61.1	53.9	46.5	41.3	36.0	30.5	25.0	19.3
77.5°	116.6	107.6	98.3	89.3	80.3	71.0	61.5	51.8	43.4	36.5	29.4
75°	153.1	142.3	131.1	119.5	107.5	95.4	84.0	72.3	60.5	48.4	39.5
72.5°	187.7	175.6	163.1	150.1	136.2	121.9	107.3	92.7	78.9	64.8	50.6
70°	224.5	208.8	193.9	179.1	164.0	148.2	131.5	114.5	97.2	81.1	64.8
67.5°	263.1	245.4	227.1	208.3	190.7	173.2	155.3	136.4	116.9	97.2	78.9
65°	313.1	287.3	261.3	240.4	218.9	197.7	177.9	157.6	136.4	114.5	92.7
62.5°	368.3	334.2	304.9	274.7	248.4	224.2	200.0	177.9	155.3	131.5	107.3
60°	430.1	390.8	350.2	315.5	281.7	251.1	224.2	197.7	173.2	148.2	121.9
57.5°	501.1	450.0	404.4	359.3	319.0	281.7	248.4	218.9	190.7	164.0	136.2
55°	577.0	517.7	461.0	409.0	359.3	315.5	274.7	240.4	208.3	179.1	150.1
52.5°	668.0	591.5	523.3	461.0	404.4	350.2	304.9	261.3	227.1	193.9	163.1
50°	764.3	675.3	591.5	517.7	450.0	390.8	334.2	287.3	245.4	208.8	175.6
47.5°	865.2	764.3	668.0	577.0	501.1	430.1	368.3	313.1	263.1	224.5	187.7
45°	965.6	856.5	747.1	646.1	550.6	473.7	403.0	338.0	285.3	239.6	199.3
42.5°	1063.8	947.5	830.5	713.0	610.0	517.6	436.5	367.4	306.8	254.1	211.4
40°	1154.8	1036.2	911.4	787.5	669.2	560.0	474.2	396.4	327.4	269.4	223.5
37.5°	1242.0	1119.4	990.8	858.9	728.2	612.0	510.8	424.1	348.4	286.7	235.0
35°	1316.6	1197.3	1066.5	928.1	790.9	661.5	545.7	452.3	371.9	303.1	245.9
32.5°	1387.0	1268.7	1135.6	994.5	850.2	708.2	584.4	482.0	394.0	318.6	256.2
30°	1448.7	1330.6	1200.4	1057.2	906.5	758.7	624.3	509.9	414.8	333.1	266.5
27.5°	1505.2	1388.6	1259.6	1113.8	960.2	806.2	661.5	535.8	434.1	347.8	278.2
25°	1556.4	1438.8	1309.4	1165.6	1010.0	850.2	695.8	560.0	454.2	363.5	288.9
22.5°	1600.2	1483.6	1355.2	1213.2	1055.5	890.5	729.7	588.2	473.7	377.9	298.8
20°	1640.0	1524.4	1396.8	1255.4	1095.8	928.1	762.7	613.8	491.3	390.8	307.6
17.5°	1675.2	1559.1	1431.0	1289.5	1130.9	961.5	792.0	636.4	506.9	402.3	315.5
15°	1704.2	1588.0	1460.4	1319.3	1161.7	990.8	817.6	656.3	520.5	412.3	322.3
12.5°	1728.9	1612.8	1485.5	1344.7	1187.9	1015.7	839.5	673.1	532.1	420.8	328.2
10°	1749.4	1633.2	1506.2	1365.7	1209.5	1036.2	857.4	687.0	541.6	427.8	332.9
7.5°	1765.5	1649.2	1522.5	1382.2	1226.4	1052.3	871.5	697.8	549.1	433.3	336.7
5°	1777.0	1660.7	1534.1	1393.9	1238.6	1063.8	881.5	705.6	554.4	437.2	339.4
2.5°	1784.0	1667.6	1541.2	1401.0	1245.9	1070.7	887.6	710.2	557.6	439.5	341.0
0°	1786.3	1669.9	1543.5	1403.4	1248.3	1073.0	889.6	711.8	558.7	440.3	341.5
-2.5°	1784.0	1667.6	1541.2	1401.0	1245.9	1070.7	887.6	710.2	557.6	439.5	341.0
-5°	1777.0	1660.7	1534.1	1393.9	1238.6	1063.8	881.5	705.6	554.4	437.2	339.4
-7.5°	1765.5	1649.2	1522.5	1382.2	1226.4	1052.3	871.5	697.8	549.1	433.3	336.7
-10°	1749.4	1633.2	1506.2	1365.7	1209.5	1036.2	857.4	687.0	541.6	427.8	332.9
-12.5°	1728.9	1612.8	1485.5	1344.7	1187.9	1015.7	839.5	673.1	532.1	420.8	328.2
-15°	1704.2	1588.0	1460.4	1319.3	1161.7	990.8	817.6	656.3	520.5	412.3	322.3
-17.5°	1675.2	1559.1	1431.0	1289.5	1130.9	961.5	792.0	636.4	506.9	402.3	315.5
-20°	1640.0	1524.4	1396.8	1255.4	1095.8	928.1	762.7	613.8	491.3	390.8	307.6



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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°	1600.2	1483.6	1355.2	1213.2	1055.5	890.5	729.7	588.2	473.7	377.9	298.8
-25°	1556.4	1438.8	1309.4	1165.6	1010.0	850.2	695.8	560.0	454.2	363.5	288.9
-27.5°	1505.2	1388.6	1259.6	1113.8	960.2	806.2	661.5	535.8	434.1	347.8	278.2
-30°	1448.7	1330.6	1200.4	1057.2	906.5	758.7	624.3	509.9	414.8	333.1	266.5
-32.5°	1387.0	1268.7	1135.6	994.5	850.2	708.2	584.4	482.0	394.0	318.6	256.2
-35°	1316.6	1197.3	1066.5	928.1	790.9	661.5	545.7	452.3	371.9	303.1	245.9
-37.5°	1242.0	1119.4	990.8	858.9	728.2	612.0	510.8	424.1	348.4	286.7	235.0
-40°	1154.8	1036.2	911.4	787.5	669.2	560.0	474.2	396.4	327.4	269.4	223.5
-42.5°	1063.8	947.5	830.5	713.0	610.0	517.6	436.5	367.4	306.8	254.1	211.4
-45°	965.6	856.5	747.1	646.1	550.6	473.7	403.0	338.0	285.3	239.6	199.3
-47.5°	865.2	764.3	668.0	577.0	501.1	430.1	368.3	313.1	263.1	224.5	187.7
-50°	764.3	675.3	591.5	517.7	450.0	390.8	334.2	287.3	245.4	208.8	175.6
-52.5°	668.0	591.5	523.3	461.0	404.4	350.2	304.9	261.3	227.1	193.9	163.1
-55°	577.0	517.7	461.0	409.0	359.3	315.5	274.7	240.4	208.3	179.1	150.1
-57.5°	501.1	450.0	404.4	359.3	319.0	281.7	248.4	218.9	190.7	164.0	136.2
-60°	430.1	390.8	350.2	315.5	281.7	251.1	224.2	197.7	173.2	148.2	121.9
-62.5°	368.3	334.2	304.9	274.7	248.4	224.2	200.0	177.9	155.3	131.5	107.3
-65°	313.1	287.3	261.3	240.4	218.9	197.7	177.9	157.6	136.4	114.5	92.7
-67.5°	263.1	245.4	227.1	208.3	190.7	173.2	155.3	136.4	116.9	97.2	78.9
-70°	224.5	208.8	193.9	179.1	164.0	148.2	131.5	114.5	97.2	81.1	64.8
-72.5°	187.7	175.6	163.1	150.1	136.2	121.9	107.3	92.7	78.9	64.8	50.6
-75°	153.1	142.3	131.1	119.5	107.5	95.4	84.0	72.3	60.5	48.4	39.5
-77.5°	116.6	107.6	98.3	89.3	80.3	71.0	61.5	51.8	43.4	36.5	29.4
-80°	81.5	74.9	68.1	61.1	53.9	46.5	41.3	36.0	30.5	25.0	19.3
-82.5°	48.0	44.2	40.7	37.1	33.4	29.6	25.7	21.7	17.6	13.4	11.3
-85°	24.6	22.3	20.0	17.6	15.1	12.6	11.6	10.6	9.6	8.6	7.6
-87.5°	8.5	8.1	7.7	7.2	6.8	6.3	5.8	5.3	4.8	4.3	3.8
-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):**

	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°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
85°	6.5	5.4	4.4	3.3	2.2	1.1	0.0
82.5°	9.8	8.2	6.5	4.9	3.3	1.6	0.0
80°	13.6	10.9	8.7	6.5	4.4	2.2	0.0
77.5°	22.3	15.1	10.9	8.2	5.4	2.7	0.0
75°	30.9	22.3	13.6	9.8	6.5	3.3	0.0
72.5°	39.5	29.4	19.3	11.3	7.6	3.8	0.0
70°	48.4	36.5	25.0	13.4	8.6	4.3	0.0
67.5°	60.5	43.4	30.5	17.6	9.6	4.8	0.0
65°	72.3	51.8	36.0	21.7	10.6	5.3	0.0
62.5°	84.0	61.5	41.3	25.7	11.6	5.8	0.0
60°	95.4	71.0	46.5	29.6	12.6	6.3	0.0
57.5°	107.5	80.3	53.9	33.4	15.1	6.8	0.0
55°	119.5	89.3	61.1	37.1	17.6	7.2	0.0
52.5°	131.1	98.3	68.1	40.7	20.0	7.7	0.0
50°	142.3	107.6	74.9	44.2	22.3	8.1	0.0
47.5°	153.1	116.6	81.5	48.0	24.6	8.5	0.0
45°	163.0	125.3	87.8	52.7	26.7	8.9	0.0
42.5°	172.6	133.6	93.8	57.2	28.8	9.3	0.0
40°	181.7	141.6	99.9	61.5	30.8	9.7	0.0
37.5°	190.4	149.1	105.9	65.6	32.6	10.0	0.0
35°	198.6	156.1	111.6	69.5	34.4	10.3	0.0
32.5°	206.6	162.5	116.9	73.2	36.1	10.6	0.0
30°	214.8	168.4	121.9	76.6	37.6	10.9	0.0
27.5°	222.4	174.0	126.6	79.7	39.1	11.2	0.0
25°	229.4	179.1	130.8	82.6	40.4	11.4	0.0
22.5°	235.8	183.8	134.7	85.2	41.6	11.6	0.0
20°	241.5	188.0	138.2	87.6	42.7	11.8	0.0
17.5°	246.6	191.7	141.3	89.7	43.6	12.0	0.0
15°	251.1	194.9	144.0	91.6	44.5	12.2	0.0
12.5°	254.8	197.7	146.3	93.1	45.2	12.3	0.0
10°	258.0	200.0	148.2	94.4	45.8	12.4	0.0
7.5°	260.4	201.7	149.7	95.4	46.2	12.5	0.0
5°	262.1	203.0	150.8	96.1	46.5	12.6	0.0
2.5°	263.2	203.7	151.4	96.6	46.7	12.6	0.0
0°	263.5	204.0	151.6	96.7	46.8	12.6	0.0
-2.5°	263.2	203.7	151.4	96.6	46.7	12.6	0.0
-5°	262.1	203.0	150.8	96.1	46.5	12.6	0.0
-7.5°	260.4	201.7	149.7	95.4	46.2	12.5	0.0
-10°	258.0	200.0	148.2	94.4	45.8	12.4	0.0
-12.5°	254.8	197.7	146.3	93.1	45.2	12.3	0.0
-15°	251.1	194.9	144.0	91.6	44.5	12.2	0.0
-17.5°	246.6	191.7	141.3	89.7	43.6	12.0	0.0
-20°	241.5	188.0	138.2	87.6	42.7	11.8	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	235.8	183.8	134.7	85.2	41.6	11.6	0.0
-25°	229.4	179.1	130.8	82.6	40.4	11.4	0.0
-27.5°	222.4	174.0	126.6	79.7	39.1	11.2	0.0
-30°	214.8	168.4	121.9	76.6	37.6	10.9	0.0
-32.5°	206.6	162.5	116.9	73.2	36.1	10.6	0.0
-35°	198.6	156.1	111.6	69.5	34.4	10.3	0.0
-37.5°	190.4	149.1	105.9	65.6	32.6	10.0	0.0
-40°	181.7	141.6	99.9	61.5	30.8	9.7	0.0
-42.5°	172.6	133.6	93.8	57.2	28.8	9.3	0.0
-45°	163.0	125.3	87.8	52.7	26.7	8.9	0.0
-47.5°	153.1	116.6	81.5	48.0	24.6	8.5	0.0
-50°	142.3	107.6	74.9	44.2	22.3	8.1	0.0
-52.5°	131.1	98.3	68.1	40.7	20.0	7.7	0.0
-55°	119.5	89.3	61.1	37.1	17.6	7.2	0.0
-57.5°	107.5	80.3	53.9	33.4	15.1	6.8	0.0
-60°	95.4	71.0	46.5	29.6	12.6	6.3	0.0
-62.5°	84.0	61.5	41.3	25.7	11.6	5.8	0.0
-65°	72.3	51.8	36.0	21.7	10.6	5.3	0.0
-67.5°	60.5	43.4	30.5	17.6	9.6	4.8	0.0
-70°	48.4	36.5	25.0	13.4	8.6	4.3	0.0
-72.5°	39.5	29.4	19.3	11.3	7.6	3.8	0.0
-75°	30.9	22.3	13.6	9.8	6.5	3.3	0.0
-77.5°	22.3	15.1	10.9	8.2	5.4	2.7	0.0
-80°	13.6	10.9	8.7	6.5	4.4	2.2	0.0
-82.5°	9.8	8.2	6.5	4.9	3.3	1.6	0.0
-85°	6.5	5.4	4.4	3.3	2.2	1.1	0.0
-87.5°	3.3	2.7	2.2	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)