

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: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2C-740-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645376 (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-SA2C-740-U-LAM-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

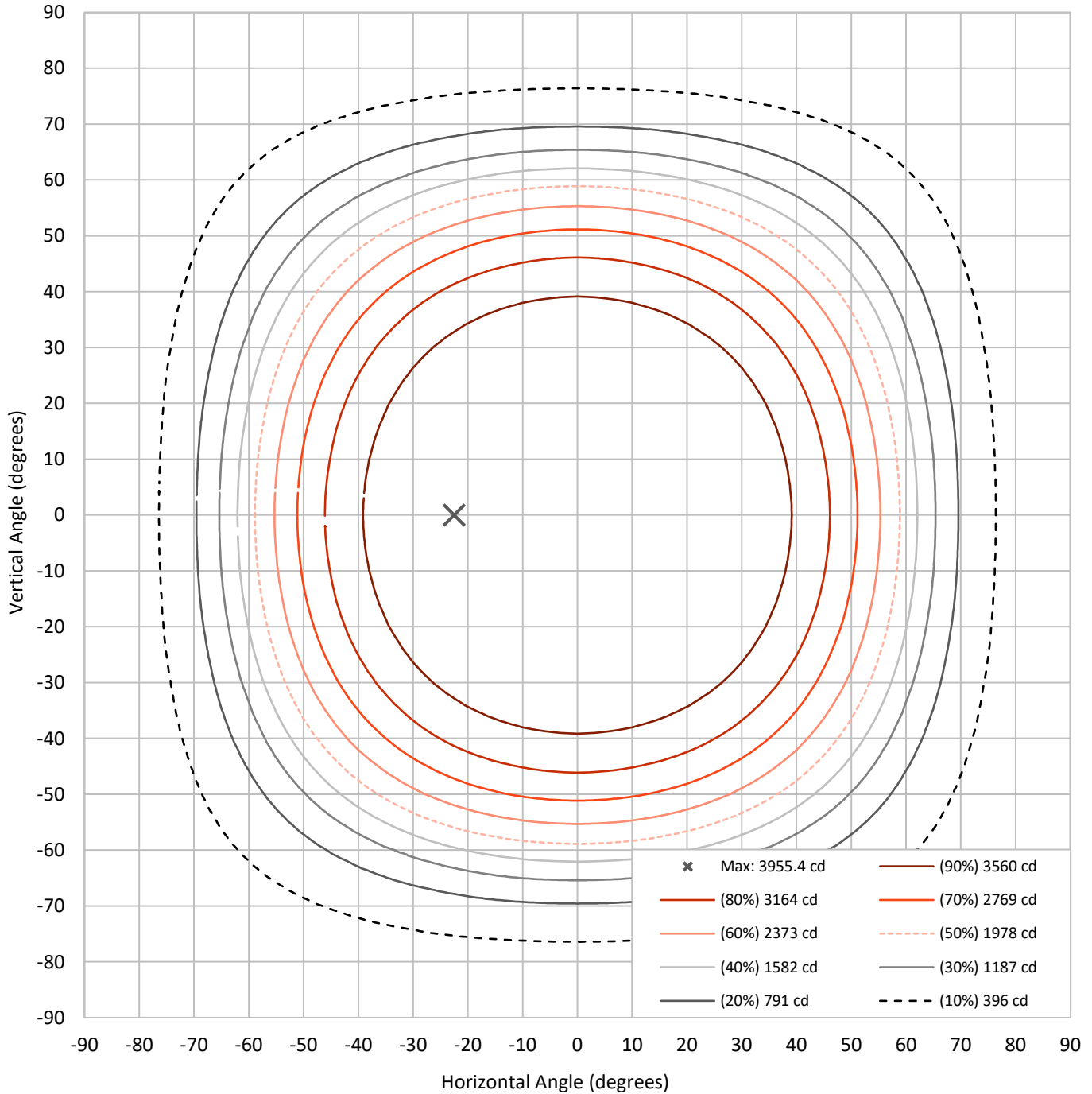
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12099.7 lumens	Max Intensity:	3955.4 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	146.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	10069.6 lumens	Field Lumens:	11861.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	82.6		
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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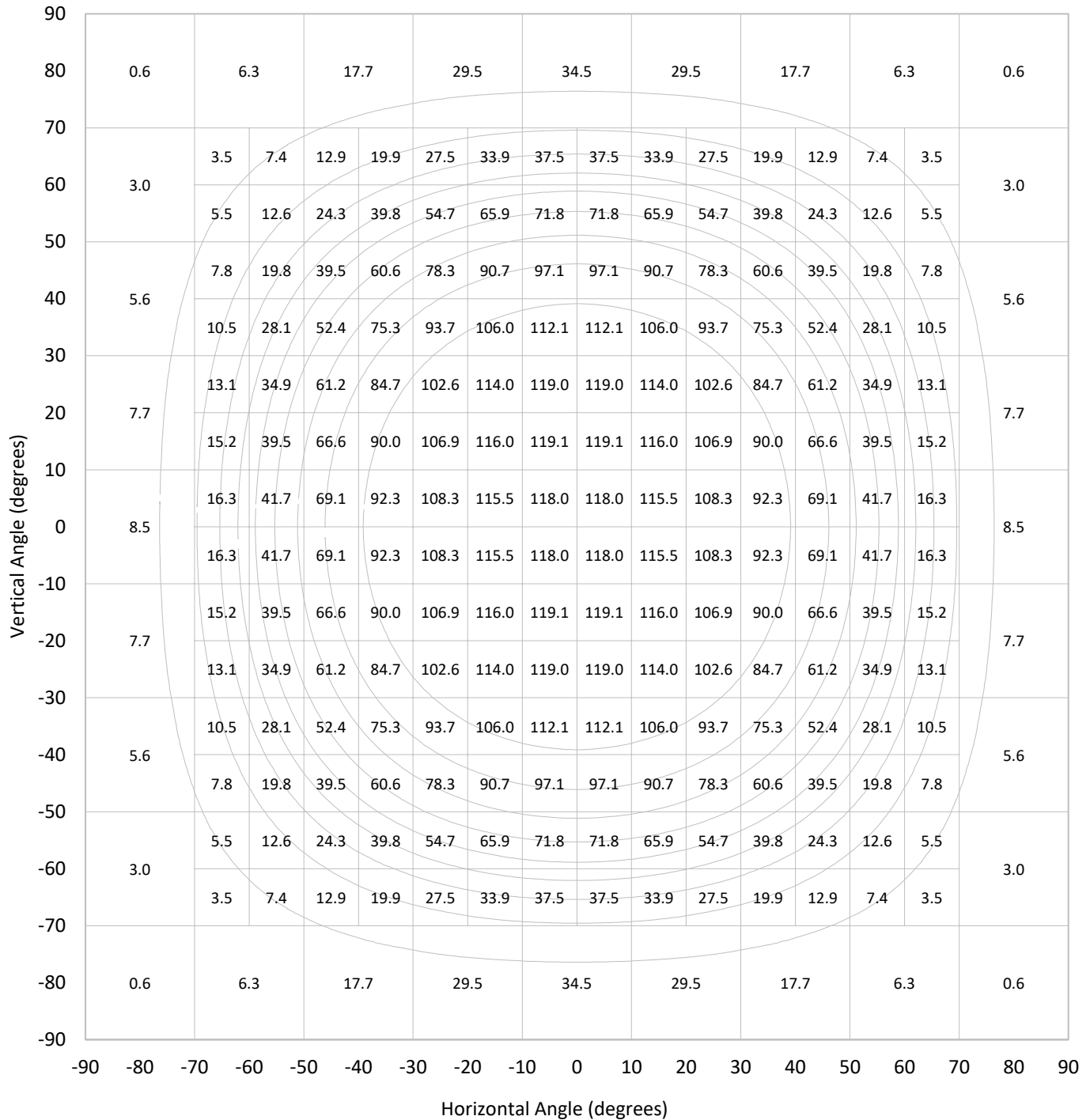
### Iso-Candela Plot





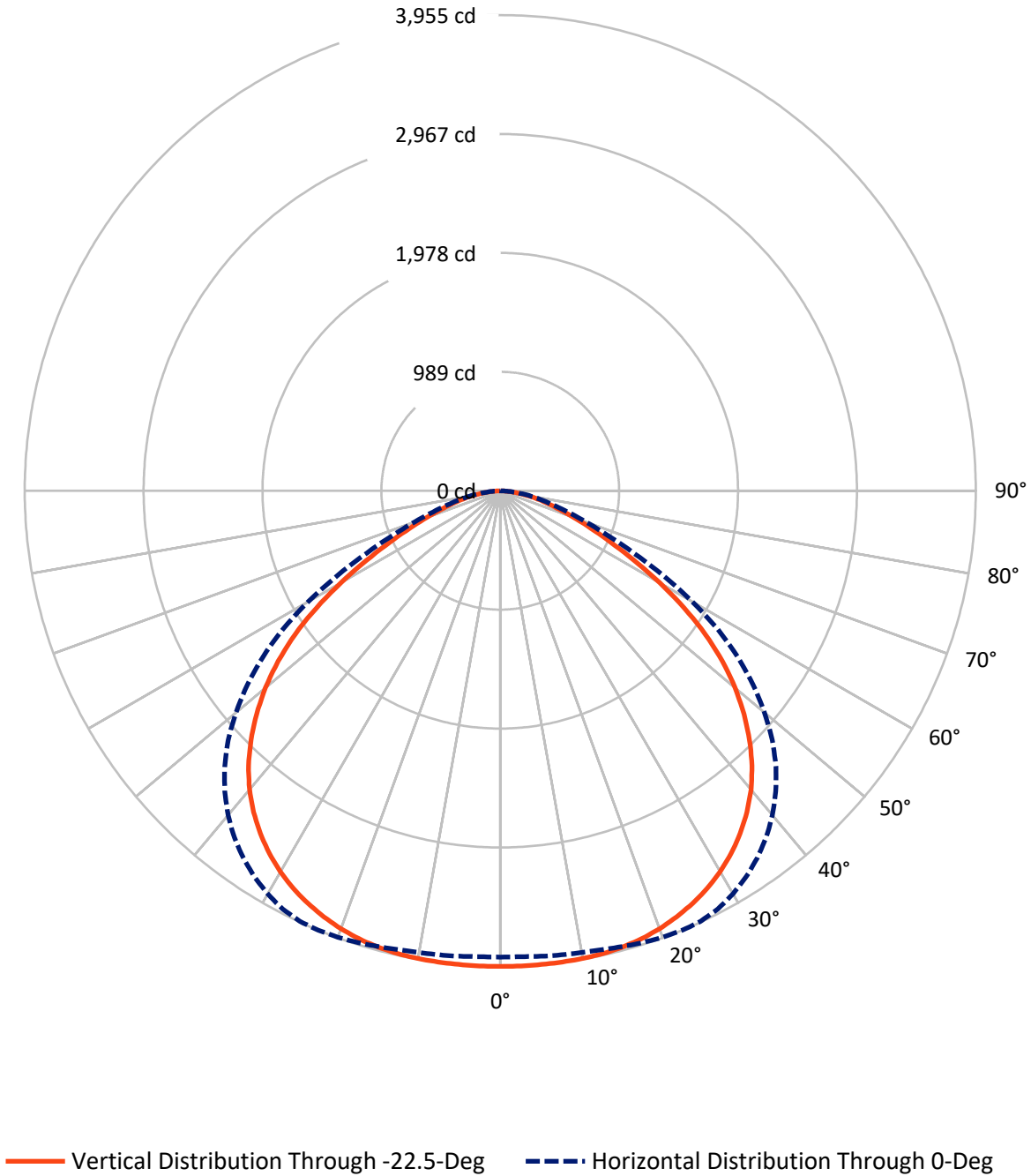
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### Lumen Table



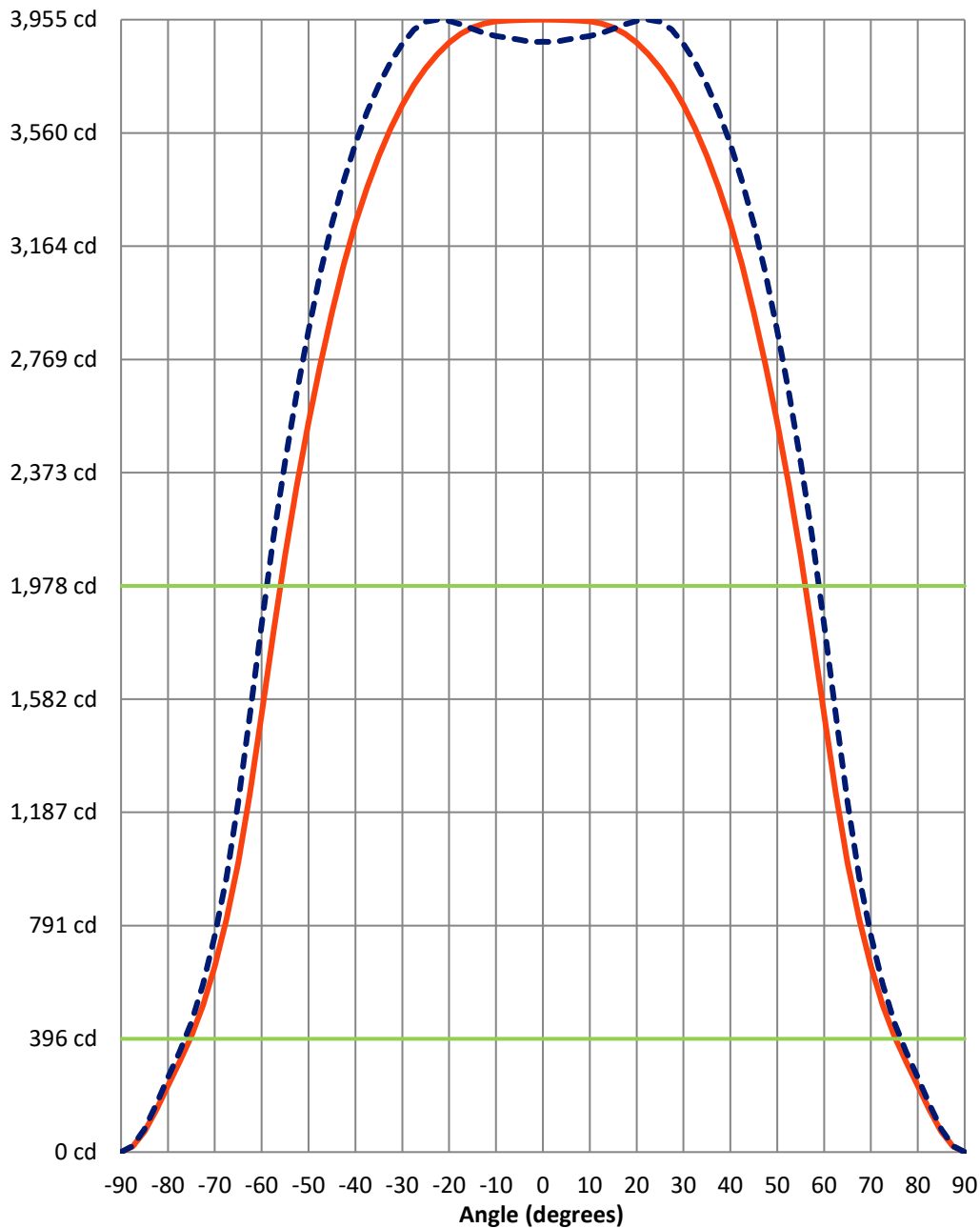
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 10069.6  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 11861.7  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 238  
 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	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.1
85°	0.0	1.9	3.8	5.6	7.5	9.3	11.2	13.0	14.8	16.5	18.2
82.5°	0.0	2.8	5.6	8.4	11.2	14.0	16.7	19.4	23.0	30.2	37.2
80°	0.0	3.7	7.5	11.2	14.9	18.6	23.4	33.2	42.9	52.5	61.9
77.5°	0.0	4.7	9.3	14.0	18.6	26.0	38.4	50.6	62.7	74.6	89.0
75°	0.0	5.6	11.2	16.7	23.4	38.4	53.2	67.9	83.2	104.0	124.4
72.5°	0.0	6.5	13.0	19.4	33.2	50.6	67.9	86.9	111.5	135.6	159.4
70°	0.0	7.4	14.8	23.0	42.9	62.7	83.2	111.5	139.4	167.0	196.8
67.5°	0.0	8.3	16.5	30.2	52.5	74.6	104.0	135.6	167.0	200.9	234.4
65°	0.0	9.1	18.2	37.2	61.9	89.0	124.4	159.4	196.8	234.4	270.9
62.5°	0.0	10.0	19.9	44.1	71.1	105.7	144.4	184.4	226.0	266.9	305.6
60°	0.0	10.8	21.6	50.9	80.1	122.1	164.0	209.5	254.7	297.6	339.7
57.5°	0.0	11.6	25.9	57.4	92.6	138.0	184.8	234.0	281.7	327.7	376.0
55°	0.0	12.4	30.2	63.9	105.1	153.6	205.3	257.9	307.8	357.8	413.0
52.5°	0.0	13.1	34.4	70.1	117.1	168.9	225.2	280.2	333.1	390.2	449.0
50°	0.0	13.9	38.4	76.1	128.8	185.0	244.5	301.7	358.7	421.6	493.6
47.5°	0.0	14.6	42.2	82.5	140.1	200.5	263.0	322.5	385.6	452.0	538.0
45°	0.0	15.3	45.9	90.6	150.9	215.4	280.1	342.5	411.6	490.2	580.8
42.5°	0.0	15.9	49.5	98.4	161.2	229.7	296.5	363.1	436.6	527.2	631.3
40°	0.0	16.5	52.9	105.8	171.6	243.3	312.2	383.9	462.8	562.5	681.1
37.5°	0.0	17.1	56.1	112.9	182.0	256.3	327.1	403.7	492.6	598.6	728.7
35°	0.0	17.7	59.2	119.5	191.8	268.1	341.2	422.5	520.8	639.0	777.2
32.5°	0.0	18.2	62.0	125.8	201.0	279.1	354.9	440.1	547.4	677.0	828.2
30°	0.0	18.7	64.7	131.6	209.5	289.4	369.0	457.8	572.3	712.7	876.0
27.5°	0.0	19.2	67.2	137.0	217.5	299.0	382.1	477.9	597.7	745.8	920.4
25°	0.0	19.6	69.4	142.0	224.8	307.8	394.1	496.4	624.7	780.4	962.0
22.5°	0.0	20.0	71.5	146.5	231.5	315.8	405.1	513.3	649.3	813.8	1010.6
20°	0.0	20.3	73.4	150.6	237.5	323.0	414.9	528.5	671.5	844.0	1054.4
17.5°	0.0	20.6	75.0	154.2	242.9	329.4	423.7	542.1	691.2	870.8	1093.5
15°	0.0	20.9	76.5	157.4	247.5	334.9	431.3	553.8	708.4	894.2	1127.5
12.5°	0.0	21.1	77.7	160.1	251.5	339.7	437.8	563.9	723.0	914.1	1156.5
10°	0.0	21.3	78.7	162.3	254.7	343.6	443.2	572.1	735.0	930.5	1180.3
7.5°	0.0	21.4	79.5	164.0	257.2	346.6	447.3	578.5	744.4	943.3	1199.0
5°	0.0	21.5	80.1	165.2	259.0	348.8	450.3	583.1	751.1	952.5	1212.3
2.5°	0.0	21.6	80.4	166.0	260.1	350.1	452.1	585.9	755.2	958.0	1220.3
0°	0.0	21.6	80.5	166.2	260.5	350.5	452.7	586.8	756.5	959.8	1223.0
-2.5°	0.0	21.6	80.4	166.0	260.1	350.1	452.1	585.9	755.2	958.0	1220.3
-5°	0.0	21.5	80.1	165.2	259.0	348.8	450.3	583.1	751.1	952.5	1212.3
-7.5°	0.0	21.4	79.5	164.0	257.2	346.6	447.3	578.5	744.4	943.3	1199.0
-10°	0.0	21.3	78.7	162.3	254.7	343.6	443.2	572.1	735.0	930.5	1180.3
-12.5°	0.0	21.1	77.7	160.1	251.5	339.7	437.8	563.9	723.0	914.1	1156.5
-15°	0.0	20.9	76.5	157.4	247.5	334.9	431.3	553.8	708.4	894.2	1127.5
-17.5°	0.0	20.6	75.0	154.2	242.9	329.4	423.7	542.1	691.2	870.8	1093.5
-20°	0.0	20.3	73.4	150.6	237.5	323.0	414.9	528.5	671.5	844.0	1054.4

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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	20.0	71.5	146.5	231.5	315.8	405.1	513.3	649.3	813.8	1010.6
-25°	0.0	19.6	69.4	142.0	224.8	307.8	394.1	496.4	624.7	780.4	962.0
-27.5°	0.0	19.2	67.2	137.0	217.5	299.0	382.1	477.9	597.7	745.8	920.4
-30°	0.0	18.7	64.7	131.6	209.5	289.4	369.0	457.8	572.3	712.7	876.0
-32.5°	0.0	18.2	62.0	125.8	201.0	279.1	354.9	440.1	547.4	677.0	828.2
-35°	0.0	17.7	59.2	119.5	191.8	268.1	341.2	422.5	520.8	639.0	777.2
-37.5°	0.0	17.1	56.1	112.9	182.0	256.3	327.1	403.7	492.6	598.6	728.7
-40°	0.0	16.5	52.9	105.8	171.6	243.3	312.2	383.9	462.8	562.5	681.1
-42.5°	0.0	15.9	49.5	98.4	161.2	229.7	296.5	363.1	436.6	527.2	631.3
-45°	0.0	15.3	45.9	90.6	150.9	215.4	280.1	342.5	411.6	490.2	580.8
-47.5°	0.0	14.6	42.2	82.5	140.1	200.5	263.0	322.5	385.6	452.0	538.0
-50°	0.0	13.9	38.4	76.1	128.8	185.0	244.5	301.7	358.7	421.6	493.6
-52.5°	0.0	13.1	34.4	70.1	117.1	168.9	225.2	280.2	333.1	390.2	449.0
-55°	0.0	12.4	30.2	63.9	105.1	153.6	205.3	257.9	307.8	357.8	413.0
-57.5°	0.0	11.6	25.9	57.4	92.6	138.0	184.8	234.0	281.7	327.7	376.0
-60°	0.0	10.8	21.6	50.9	80.1	122.1	164.0	209.5	254.7	297.6	339.7
-62.5°	0.0	10.0	19.9	44.1	71.1	105.7	144.4	184.4	226.0	266.9	305.6
-65°	0.0	9.1	18.2	37.2	61.9	89.0	124.4	159.4	196.8	234.4	270.9
-67.5°	0.0	8.3	16.5	30.2	52.5	74.6	104.0	135.6	167.0	200.9	234.4
-70°	0.0	7.4	14.8	23.0	42.9	62.7	83.2	111.5	139.4	167.0	196.8
-72.5°	0.0	6.5	13.0	19.4	33.2	50.6	67.9	86.9	111.5	135.6	159.4
-75°	0.0	5.6	11.2	16.7	23.4	38.4	53.2	67.9	83.2	104.0	124.4
-77.5°	0.0	4.7	9.3	14.0	18.6	26.0	38.4	50.6	62.7	74.6	89.0
-80°	0.0	3.7	7.5	11.2	14.9	18.6	23.4	33.2	42.9	52.5	61.9
-82.5°	0.0	2.8	5.6	8.4	11.2	14.0	16.7	19.4	23.0	30.2	37.2
-85°	0.0	1.9	3.8	5.6	7.5	9.3	11.2	13.0	14.8	16.5	18.2
-87.5°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.3	9.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-740-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°	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.3	15.9	16.5	17.1
85°	19.9	21.6	25.9	30.2	34.4	38.4	42.2	45.9	49.5	52.9	56.1
82.5°	44.1	50.9	57.4	63.9	70.1	76.1	82.5	90.6	98.4	105.8	112.9
80°	71.1	80.1	92.6	105.1	117.1	128.8	140.1	150.9	161.2	171.6	182.0
77.5°	105.7	122.1	138.0	153.6	168.9	185.0	200.5	215.4	229.7	243.3	256.3
75°	144.4	164.0	184.8	205.3	225.2	244.5	263.0	280.1	296.5	312.2	327.1
72.5°	184.4	209.5	234.0	257.9	280.2	301.7	322.5	342.5	363.1	383.9	403.7
70°	226.0	254.7	281.7	307.8	333.1	358.7	385.6	411.6	436.6	462.8	492.6
67.5°	266.9	297.6	327.7	357.8	390.2	421.6	452.0	490.2	527.2	562.5	598.6
65°	305.6	339.7	376.0	413.0	449.0	493.6	538.0	580.8	631.3	681.1	728.7
62.5°	343.7	385.2	426.7	471.9	523.8	574.2	632.8	692.5	749.9	814.6	877.6
60°	385.2	431.3	484.0	542.1	601.8	671.5	739.0	813.8	889.2	962.0	1051.5
57.5°	426.7	484.0	548.2	617.3	694.9	773.1	860.9	945.9	1047.9	1149.8	1251.2
55°	471.9	542.1	617.3	702.7	792.0	889.4	991.3	1110.1	1225.1	1353.1	1475.7
52.5°	523.8	601.8	694.9	792.0	899.0	1016.2	1147.7	1283.7	1426.9	1565.9	1702.3
50°	574.2	671.5	773.1	889.4	1016.2	1160.3	1313.2	1471.6	1627.9	1780.3	1923.1
47.5°	632.8	739.0	860.9	991.3	1147.7	1313.2	1486.5	1659.1	1827.6	1984.1	2133.9
45°	692.5	813.8	945.9	1110.1	1283.7	1471.6	1659.1	1843.5	2014.8	2176.5	2317.9
42.5°	749.9	889.2	1047.9	1225.1	1426.9	1627.9	1827.6	2014.8	2190.3	2346.0	2488.0
40°	814.6	962.0	1149.8	1353.1	1565.9	1780.3	1984.1	2176.5	2346.0	2501.0	2644.8
37.5°	877.6	1051.5	1251.2	1475.7	1702.3	1923.1	2133.9	2317.9	2488.0	2644.8	2782.9
35°	937.4	1136.5	1358.9	1594.6	1832.4	2057.0	2262.1	2449.4	2618.5	2770.7	2911.8
32.5°	1003.9	1216.9	1460.8	1708.8	1951.0	2179.7	2383.1	2566.3	2734.4	2888.9	3029.0
30°	1072.6	1303.5	1557.6	1816.3	2062.4	2286.1	2489.1	2674.6	2841.4	2994.0	3131.3
27.5°	1136.5	1385.3	1649.8	1913.6	2164.1	2385.9	2586.1	2768.8	2936.5	3090.1	3223.2
25°	1195.5	1460.8	1735.3	2002.7	2249.8	2472.0	2674.1	2856.7	3023.4	3170.8	3300.2
22.5°	1253.8	1530.1	1813.5	2084.4	2328.5	2549.0	2749.3	2932.3	3099.2	3245.2	3369.4
20°	1310.4	1594.6	1882.6	2156.9	2399.9	2619.0	2817.8	3000.4	3162.8	3304.2	3427.8
17.5°	1360.8	1652.0	1943.0	2215.5	2458.6	2678.8	2878.4	3061.6	3220.1	3357.5	3478.3
15°	1404.9	1702.3	1995.9	2266.7	2509.1	2728.5	2928.0	3109.2	3266.7	3402.9	3522.8
12.5°	1442.4	1745.1	2040.9	2310.5	2552.3	2771.0	2970.6	3149.2	3304.0	3438.5	3555.8
10°	1473.2	1780.3	2078.1	2346.5	2587.9	2806.0	3005.7	3182.4	3335.0	3468.1	3583.3
7.5°	1497.4	1807.9	2107.1	2374.8	2615.8	2833.6	3033.3	3208.4	3359.4	3491.4	3605.1
5°	1514.6	1827.6	2128.0	2395.0	2635.8	2853.3	3053.2	3227.1	3377.0	3508.2	3620.7
2.5°	1525.0	1839.5	2140.5	2407.2	2647.9	2865.2	3065.1	3238.4	3387.6	3518.3	3630.2
0°	1528.5	1843.5	2144.7	2411.3	2651.9	2869.2	3069.1	3242.2	3391.1	3521.7	3633.4
-2.5°	1525.0	1839.5	2140.5	2407.2	2647.9	2865.2	3065.1	3238.4	3387.6	3518.3	3630.2
-5°	1514.6	1827.6	2128.0	2395.0	2635.8	2853.3	3053.2	3227.1	3377.0	3508.2	3620.7
-7.5°	1497.4	1807.9	2107.1	2374.8	2615.8	2833.6	3033.3	3208.4	3359.4	3491.4	3605.1
-10°	1473.2	1780.3	2078.1	2346.5	2587.9	2806.0	3005.7	3182.4	3335.0	3468.1	3583.3
-12.5°	1442.4	1745.1	2040.9	2310.5	2552.3	2771.0	2970.6	3149.2	3304.0	3438.5	3555.8
-15°	1404.9	1702.3	1995.9	2266.7	2509.1	2728.5	2928.0	3109.2	3266.7	3402.9	3522.8
-17.5°	1360.8	1652.0	1943.0	2215.5	2458.6	2678.8	2878.4	3061.6	3220.1	3357.5	3478.3
-20°	1310.4	1594.6	1882.6	2156.9	2399.9	2619.0	2817.8	3000.4	3162.8	3304.2	3427.8



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 CATALOG NUMBER: GFLD-SA2C-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1253.8	1530.1	1813.5	2084.4	2328.5	2549.0	2749.3	2932.3	3099.2	3245.2	3369.4
-25°	1195.5	1460.8	1735.3	2002.7	2249.8	2472.0	2674.1	2856.7	3023.4	3170.8	3300.2
-27.5°	1136.5	1385.3	1649.8	1913.6	2164.1	2385.9	2586.1	2768.8	2936.5	3090.1	3223.2
-30°	1072.6	1303.5	1557.6	1816.3	2062.4	2286.1	2489.1	2674.6	2841.4	2994.0	3131.3
-32.5°	1003.9	1216.9	1460.8	1708.8	1951.0	2179.7	2383.1	2566.3	2734.4	2888.9	3029.0
-35°	937.4	1136.5	1358.9	1594.6	1832.4	2057.0	2262.1	2449.4	2618.5	2770.7	2911.8
-37.5°	877.6	1051.5	1251.2	1475.7	1702.3	1923.1	2133.9	2317.9	2488.0	2644.8	2782.9
-40°	814.6	962.0	1149.8	1353.1	1565.9	1780.3	1984.1	2176.5	2346.0	2501.0	2644.8
-42.5°	749.9	889.2	1047.9	1225.1	1426.9	1627.9	1827.6	2014.8	2190.3	2346.0	2488.0
-45°	692.5	813.8	945.9	1110.1	1283.7	1471.6	1659.1	1843.5	2014.8	2176.5	2317.9
-47.5°	632.8	739.0	860.9	991.3	1147.7	1313.2	1486.5	1659.1	1827.6	1984.1	2133.9
-50°	574.2	671.5	773.1	889.4	1016.2	1160.3	1313.2	1471.6	1627.9	1780.3	1923.1
-52.5°	523.8	601.8	694.9	792.0	899.0	1016.2	1147.7	1283.7	1426.9	1565.9	1702.3
-55°	471.9	542.1	617.3	702.7	792.0	889.4	991.3	1110.1	1225.1	1353.1	1475.7
-57.5°	426.7	484.0	548.2	617.3	694.9	773.1	860.9	945.9	1047.9	1149.8	1251.2
-60°	385.2	431.3	484.0	542.1	601.8	671.5	739.0	813.8	889.2	962.0	1051.5
-62.5°	343.7	385.2	426.7	471.9	523.8	574.2	632.8	692.5	749.9	814.6	877.6
-65°	305.6	339.7	376.0	413.0	449.0	493.6	538.0	580.8	631.3	681.1	728.7
-67.5°	266.9	297.6	327.7	357.8	390.2	421.6	452.0	490.2	527.2	562.5	598.6
-70°	226.0	254.7	281.7	307.8	333.1	358.7	385.6	411.6	436.6	462.8	492.6
-72.5°	184.4	209.5	234.0	257.9	280.2	301.7	322.5	342.5	363.1	383.9	403.7
-75°	144.4	164.0	184.8	205.3	225.2	244.5	263.0	280.1	296.5	312.2	327.1
-77.5°	105.7	122.1	138.0	153.6	168.9	185.0	200.5	215.4	229.7	243.3	256.3
-80°	71.1	80.1	92.6	105.1	117.1	128.8	140.1	150.9	161.2	171.6	182.0
-82.5°	44.1	50.9	57.4	63.9	70.1	76.1	82.5	90.6	98.4	105.8	112.9
-85°	19.9	21.6	25.9	30.2	34.4	38.4	42.2	45.9	49.5	52.9	56.1
-87.5°	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.3	15.9	16.5	17.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-740-U-LAM-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°	17.7	18.2	18.7	19.2	19.6	20.0	20.3	20.6	20.9	21.1	21.3
85°	59.2	62.0	64.7	67.2	69.4	71.5	73.4	75.0	76.5	77.7	78.7
82.5°	119.5	125.8	131.6	137.0	142.0	146.5	150.6	154.2	157.4	160.1	162.3
80°	191.8	201.0	209.5	217.5	224.8	231.5	237.5	242.9	247.5	251.5	254.7
77.5°	268.1	279.1	289.4	299.0	307.8	315.8	323.0	329.4	334.9	339.7	343.6
75°	341.2	354.9	369.0	382.1	394.1	405.1	414.9	423.7	431.3	437.8	443.2
72.5°	422.5	440.1	457.8	477.9	496.4	513.3	528.5	542.1	553.8	563.9	572.1
70°	520.8	547.4	572.3	597.7	624.7	649.3	671.5	691.2	708.4	723.0	735.0
67.5°	639.0	677.0	712.7	745.8	780.4	813.8	844.0	870.8	894.2	914.1	930.5
65°	777.2	828.2	876.0	920.4	962.0	1010.6	1054.4	1093.5	1127.5	1156.5	1180.3
62.5°	937.4	1003.9	1072.6	1136.5	1195.5	1253.8	1310.4	1360.8	1404.9	1442.4	1473.2
60°	1136.5	1216.9	1303.5	1385.3	1460.8	1530.1	1594.6	1652.0	1702.3	1745.1	1780.3
57.5°	1358.9	1460.8	1557.6	1649.8	1735.3	1813.5	1882.6	1943.0	1995.9	2040.9	2078.1
55°	1594.6	1708.8	1816.3	1913.6	2002.7	2084.4	2156.9	2215.5	2266.7	2310.5	2346.5
52.5°	1832.4	1951.0	2062.4	2164.1	2249.8	2328.5	2399.9	2458.6	2509.1	2552.3	2587.9
50°	2057.0	2179.7	2286.1	2385.9	2472.0	2549.0	2619.0	2678.8	2728.5	2771.0	2806.0
47.5°	2262.1	2383.1	2489.1	2586.1	2674.1	2749.3	2817.8	2878.4	2928.0	2970.6	3005.7
45°	2449.4	2566.3	2674.6	2768.8	2856.7	2932.3	3000.4	3061.6	3109.2	3149.2	3182.4
42.5°	2618.5	2734.4	2841.4	2936.5	3023.4	3099.2	3162.8	3220.1	3266.7	3304.0	3335.0
40°	2770.7	2888.9	2994.0	3090.1	3170.8	3245.2	3304.2	3357.5	3402.9	3438.5	3468.1
37.5°	2911.8	3029.0	3131.3	3223.2	3300.2	3369.4	3427.8	3478.3	3522.8	3555.8	3583.3
35°	3040.7	3152.1	3253.3	3337.6	3413.9	3479.0	3536.5	3583.1	3624.5	3656.0	3681.1
32.5°	3152.1	3262.5	3356.5	3439.5	3513.9	3574.7	3629.9	3672.6	3710.2	3740.5	3763.8
30°	3253.3	3356.5	3448.1	3530.2	3598.1	3657.3	3707.0	3748.7	3783.4	3812.3	3832.7
27.5°	3337.6	3439.5	3530.2	3606.0	3671.0	3728.0	3773.4	3813.5	3843.8	3870.4	3888.0
25°	3413.9	3513.9	3598.1	3671.0	3734.1	3786.1	3829.3	3865.6	3892.5	3915.3	3928.4
22.5°	3479.0	3574.7	3657.3	3728.0	3786.1	3834.7	3875.4	3906.2	3928.2	3942.0	3949.8
20°	3536.5	3629.9	3707.0	3773.4	3829.3	3875.4	3910.8	3933.6	3948.9	3952.7	3955.0
17.5°	3583.1	3672.6	3748.7	3813.5	3865.6	3906.2	3933.6	3949.7	3954.3	3953.4	3951.1
15°	3624.5	3710.2	3783.4	3843.8	3892.5	3928.2	3948.9	3954.3	3952.9	3948.3	3941.1
12.5°	3656.0	3740.5	3812.3	3870.4	3915.3	3942.0	3952.7	3953.4	3948.3	3939.4	3929.3
10°	3681.1	3763.8	3832.7	3888.0	3928.4	3949.8	3955.0	3951.1	3941.1	3929.3	3918.0
7.5°	3700.9	3782.3	3849.0	3902.1	3937.0	3952.2	3953.3	3946.1	3934.1	3920.6	3908.5
5°	3715.3	3795.7	3860.9	3912.3	3943.3	3953.9	3952.0	3942.2	3928.2	3914.2	3903.1
2.5°	3724.0	3803.8	3868.1	3918.6	3947.1	3955.0	3951.3	3939.7	3924.6	3910.0	3899.5
0°	3726.9	3806.5	3870.5	3920.7	3948.4	3955.4	3951.0	3938.9	3923.3	3908.6	3898.2
-2.5°	3724.0	3803.8	3868.1	3918.6	3947.1	3955.0	3951.3	3939.7	3924.6	3910.0	3899.5
-5°	3715.3	3795.7	3860.9	3912.3	3943.3	3953.9	3952.0	3942.2	3928.2	3914.2	3903.1
-7.5°	3700.9	3782.3	3849.0	3902.1	3937.0	3952.2	3953.3	3946.1	3934.1	3920.6	3908.5
-10°	3681.1	3763.8	3832.7	3888.0	3928.4	3949.8	3955.0	3951.1	3941.1	3929.3	3918.0
-12.5°	3656.0	3740.5	3812.3	3870.4	3915.3	3942.0	3952.7	3953.4	3948.3	3939.4	3929.3
-15°	3624.5	3710.2	3783.4	3843.8	3892.5	3928.2	3948.9	3954.3	3952.9	3948.3	3941.1
-17.5°	3583.1	3672.6	3748.7	3813.5	3865.6	3906.2	3933.6	3949.7	3954.3	3953.4	3951.1
-20°	3536.5	3629.9	3707.0	3773.4	3829.3	3875.4	3910.8	3933.6	3948.9	3952.7	3955.0



REPORT NUMBER: P645376 (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°	3479.0	3574.7	3657.3	3728.0	3786.1	3834.7	3875.4	3906.2	3928.2	3942.0	3949.8
-25°	3413.9	3513.9	3598.1	3671.0	3734.1	3786.1	3829.3	3865.6	3892.5	3915.3	3928.4
-27.5°	3337.6	3439.5	3530.2	3606.0	3671.0	3728.0	3773.4	3813.5	3843.8	3870.4	3888.0
-30°	3253.3	3356.5	3448.1	3530.2	3598.1	3657.3	3707.0	3748.7	3783.4	3812.3	3832.7
-32.5°	3152.1	3262.5	3356.5	3439.5	3513.9	3574.7	3629.9	3672.6	3710.2	3740.5	3763.8
-35°	3040.7	3152.1	3253.3	3337.6	3413.9	3479.0	3536.5	3583.1	3624.5	3656.0	3681.1
-37.5°	2911.8	3029.0	3131.3	3223.2	3300.2	3369.4	3427.8	3478.3	3522.8	3555.8	3583.3
-40°	2770.7	2888.9	2994.0	3090.1	3170.8	3245.2	3304.2	3357.5	3402.9	3438.5	3468.1
-42.5°	2618.5	2734.4	2841.4	2936.5	3023.4	3099.2	3162.8	3220.1	3266.7	3304.0	3335.0
-45°	2449.4	2566.3	2674.6	2768.8	2856.7	2932.3	3000.4	3061.6	3109.2	3149.2	3182.4
-47.5°	2262.1	2383.1	2489.1	2586.1	2674.1	2749.3	2817.8	2878.4	2928.0	2970.6	3005.7
-50°	2057.0	2179.7	2286.1	2385.9	2472.0	2549.0	2619.0	2678.8	2728.5	2771.0	2806.0
-52.5°	1832.4	1951.0	2062.4	2164.1	2249.8	2328.5	2399.9	2458.6	2509.1	2552.3	2587.9
-55°	1594.6	1708.8	1816.3	1913.6	2002.7	2084.4	2156.9	2215.5	2266.7	2310.5	2346.5
-57.5°	1358.9	1460.8	1557.6	1649.8	1735.3	1813.5	1882.6	1943.0	1995.9	2040.9	2078.1
-60°	1136.5	1216.9	1303.5	1385.3	1460.8	1530.1	1594.6	1652.0	1702.3	1745.1	1780.3
-62.5°	937.4	1003.9	1072.6	1136.5	1195.5	1253.8	1310.4	1360.8	1404.9	1442.4	1473.2
-65°	777.2	828.2	876.0	920.4	962.0	1010.6	1054.4	1093.5	1127.5	1156.5	1180.3
-67.5°	639.0	677.0	712.7	745.8	780.4	813.8	844.0	870.8	894.2	914.1	930.5
-70°	520.8	547.4	572.3	597.7	624.7	649.3	671.5	691.2	708.4	723.0	735.0
-72.5°	422.5	440.1	457.8	477.9	496.4	513.3	528.5	542.1	553.8	563.9	572.1
-75°	341.2	354.9	369.0	382.1	394.1	405.1	414.9	423.7	431.3	437.8	443.2
-77.5°	268.1	279.1	289.4	299.0	307.8	315.8	323.0	329.4	334.9	339.7	343.6
-80°	191.8	201.0	209.5	217.5	224.8	231.5	237.5	242.9	247.5	251.5	254.7
-82.5°	119.5	125.8	131.6	137.0	142.0	146.5	150.6	154.2	157.4	160.1	162.3
-85°	59.2	62.0	64.7	67.2	69.4	71.5	73.4	75.0	76.5	77.7	78.7
-87.5°	17.7	18.2	18.7	19.2	19.6	20.0	20.3	20.6	20.9	21.1	21.3
-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: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-740-U-LAM-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°	21.4	21.5	21.6	21.6	21.6	21.5	21.4	21.3	21.1	20.9	20.6
85°	79.5	80.1	80.4	80.5	80.4	80.1	79.5	78.7	77.7	76.5	75.0
82.5°	164.0	165.2	166.0	166.2	166.0	165.2	164.0	162.3	160.1	157.4	154.2
80°	257.2	259.0	260.1	260.5	260.1	259.0	257.2	254.7	251.5	247.5	242.9
77.5°	346.6	348.8	350.1	350.5	350.1	348.8	346.6	343.6	339.7	334.9	329.4
75°	447.3	450.3	452.1	452.7	452.1	450.3	447.3	443.2	437.8	431.3	423.7
72.5°	578.5	583.1	585.9	586.8	585.9	583.1	578.5	572.1	563.9	553.8	542.1
70°	744.4	751.1	755.2	756.5	755.2	751.1	744.4	735.0	723.0	708.4	691.2
67.5°	943.3	952.5	958.0	959.8	958.0	952.5	943.3	930.5	914.1	894.2	870.8
65°	1199.0	1212.3	1220.3	1223.0	1220.3	1212.3	1199.0	1180.3	1156.5	1127.5	1093.5
62.5°	1497.4	1514.6	1525.0	1528.5	1525.0	1514.6	1497.4	1473.2	1442.4	1404.9	1360.8
60°	1807.9	1827.6	1839.5	1843.5	1839.5	1827.6	1807.9	1780.3	1745.1	1702.3	1652.0
57.5°	2107.1	2128.0	2140.5	2144.7	2140.5	2128.0	2107.1	2078.1	2040.9	1995.9	1943.0
55°	2374.8	2395.0	2407.2	2411.3	2407.2	2395.0	2374.8	2346.5	2310.5	2266.7	2215.5
52.5°	2615.8	2635.8	2647.9	2651.9	2647.9	2635.8	2615.8	2587.9	2552.3	2509.1	2458.6
50°	2833.6	2853.3	2865.2	2869.2	2865.2	2853.3	2833.6	2806.0	2771.0	2728.5	2678.8
47.5°	3033.3	3053.2	3065.1	3069.1	3065.1	3053.2	3033.3	3005.7	2970.6	2928.0	2878.4
45°	3208.4	3227.1	3238.4	3242.2	3238.4	3227.1	3208.4	3182.4	3149.2	3109.2	3061.6
42.5°	3359.4	3377.0	3387.6	3391.1	3387.6	3377.0	3359.4	3335.0	3304.0	3266.7	3220.1
40°	3491.4	3508.2	3518.3	3521.7	3518.3	3508.2	3491.4	3468.1	3438.5	3402.9	3357.5
37.5°	3605.1	3620.7	3630.2	3633.4	3630.2	3620.7	3605.1	3583.3	3555.8	3522.8	3478.3
35°	3700.9	3715.3	3724.0	3726.9	3724.0	3715.3	3700.9	3681.1	3656.0	3624.5	3583.1
32.5°	3782.3	3795.7	3803.8	3806.5	3803.8	3795.7	3782.3	3763.8	3740.5	3710.2	3672.6
30°	3849.0	3860.9	3868.1	3870.5	3868.1	3860.9	3849.0	3832.7	3812.3	3783.4	3748.7
27.5°	3902.1	3912.3	3918.6	3920.7	3918.6	3912.3	3902.1	3888.0	3870.4	3843.8	3813.5
25°	3937.0	3943.3	3947.1	3948.4	3947.1	3943.3	3937.0	3928.4	3915.3	3892.5	3865.6
22.5°	3952.2	3953.9	3955.0	3955.4	3955.0	3953.9	3952.2	3949.8	3942.0	3928.2	3906.2
20°	3953.3	3952.0	3951.3	3951.0	3951.3	3952.0	3953.3	3955.0	3952.7	3948.9	3933.6
17.5°	3946.1	3942.2	3939.7	3938.9	3939.7	3942.2	3946.1	3951.1	3953.4	3954.3	3949.7
15°	3934.1	3928.2	3924.6	3923.3	3924.6	3928.2	3934.1	3941.1	3948.3	3952.9	3954.3
12.5°	3920.6	3914.2	3910.0	3908.6	3910.0	3914.2	3920.6	3929.3	3939.4	3948.3	3953.4
10°	3908.5	3903.1	3899.5	3898.2	3899.5	3903.1	3908.5	3918.0	3929.3	3941.1	3951.1
7.5°	3900.7	3895.8	3893.2	3892.2	3893.2	3895.8	3900.7	3908.5	3920.6	3934.1	3946.1
5°	3895.8	3891.0	3886.9	3885.3	3886.9	3891.0	3895.8	3903.1	3914.2	3928.2	3942.2
2.5°	3893.2	3886.9	3880.7	3877.5	3880.7	3886.9	3893.2	3899.5	3910.0	3924.6	3939.7
0°	<b>3892.2</b>	<b>3885.3</b>	<b>3877.5</b>	<b>3878.3</b>	<b>3877.5</b>	<b>3885.3</b>	<b>3892.2</b>	<b>3898.2</b>	<b>3908.6</b>	<b>3923.3</b>	<b>3938.9</b>
-2.5°	3893.2	3886.9	3880.7	3877.5	3880.7	3886.9	3893.2	3899.5	3910.0	3924.6	3939.7
-5°	3895.8	3891.0	3886.9	3885.3	3886.9	3891.0	3895.8	3903.1	3914.2	3928.2	3942.2
-7.5°	3900.7	3895.8	3893.2	3892.2	3893.2	3895.8	3900.7	3908.5	3920.6	3934.1	3946.1
-10°	3908.5	3903.1	3899.5	3898.2	3899.5	3903.1	3908.5	3918.0	3929.3	3941.1	3951.1
-12.5°	3920.6	3914.2	3910.0	3908.6	3910.0	3914.2	3920.6	3929.3	3939.4	3948.3	3953.4
-15°	3934.1	3928.2	3924.6	3923.3	3924.6	3928.2	3934.1	3941.1	3948.3	3952.9	3954.3
-17.5°	3946.1	3942.2	3939.7	3938.9	3939.7	3942.2	3946.1	3951.1	3953.4	3954.3	3949.7
-20°	3953.3	3952.0	3951.3	3951.0	3951.3	3952.0	3953.3	3955.0	3952.7	3948.9	3933.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2C-740-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°	3952.2	3953.9	3955.0	3955.4	3955.0	3953.9	3952.2	3949.8	3942.0	3928.2	3906.2
-25°	3937.0	3943.3	3947.1	3948.4	3947.1	3943.3	3937.0	3928.4	3915.3	3892.5	3865.6
-27.5°	3902.1	3912.3	3918.6	3920.7	3918.6	3912.3	3902.1	3888.0	3870.4	3843.8	3813.5
-30°	3849.0	3860.9	3868.1	3870.5	3868.1	3860.9	3849.0	3832.7	3812.3	3783.4	3748.7
-32.5°	3782.3	3795.7	3803.8	3806.5	3803.8	3795.7	3782.3	3763.8	3740.5	3710.2	3672.6
-35°	3700.9	3715.3	3724.0	3726.9	3724.0	3715.3	3700.9	3681.1	3656.0	3624.5	3583.1
-37.5°	3605.1	3620.7	3630.2	3633.4	3630.2	3620.7	3605.1	3583.3	3555.8	3522.8	3478.3
-40°	3491.4	3508.2	3518.3	3521.7	3518.3	3508.2	3491.4	3468.1	3438.5	3402.9	3357.5
-42.5°	3359.4	3377.0	3387.6	3391.1	3387.6	3377.0	3359.4	3335.0	3304.0	3266.7	3220.1
-45°	3208.4	3227.1	3238.4	3242.2	3238.4	3227.1	3208.4	3182.4	3149.2	3109.2	3061.6
-47.5°	3033.3	3053.2	3065.1	3069.1	3065.1	3053.2	3033.3	3005.7	2970.6	2928.0	2878.4
-50°	2833.6	2853.3	2865.2	2869.2	2865.2	2853.3	2833.6	2806.0	2771.0	2728.5	2678.8
-52.5°	2615.8	2635.8	2647.9	2651.9	2647.9	2635.8	2615.8	2587.9	2552.3	2509.1	2458.6
-55°	2374.8	2395.0	2407.2	2411.3	2407.2	2395.0	2374.8	2346.5	2310.5	2266.7	2215.5
-57.5°	2107.1	2128.0	2140.5	2144.7	2140.5	2128.0	2107.1	2078.1	2040.9	1995.9	1943.0
-60°	1807.9	1827.6	1839.5	1843.5	1839.5	1827.6	1807.9	1780.3	1745.1	1702.3	1652.0
-62.5°	1497.4	1514.6	1525.0	1528.5	1525.0	1514.6	1497.4	1473.2	1442.4	1404.9	1360.8
-65°	1199.0	1212.3	1220.3	1223.0	1220.3	1212.3	1199.0	1180.3	1156.5	1127.5	1093.5
-67.5°	943.3	952.5	958.0	959.8	958.0	952.5	943.3	930.5	914.1	894.2	870.8
-70°	744.4	751.1	755.2	756.5	755.2	751.1	744.4	735.0	723.0	708.4	691.2
-72.5°	578.5	583.1	585.9	586.8	585.9	583.1	578.5	572.1	563.9	553.8	542.1
-75°	447.3	450.3	452.1	452.7	452.1	450.3	447.3	443.2	437.8	431.3	423.7
-77.5°	346.6	348.8	350.1	350.5	350.1	348.8	346.6	343.6	339.7	334.9	329.4
-80°	257.2	259.0	260.1	260.5	260.1	259.0	257.2	254.7	251.5	247.5	242.9
-82.5°	164.0	165.2	166.0	166.2	166.0	165.2	164.0	162.3	160.1	157.4	154.2
-85°	79.5	80.1	80.4	80.5	80.4	80.1	79.5	78.7	77.7	76.5	75.0
-87.5°	21.4	21.5	21.6	21.6	21.6	21.5	21.4	21.3	21.1	20.9	20.6
-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: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-740-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°	20.3	20.0	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.9	15.3
85°	73.4	71.5	69.4	67.2	64.7	62.0	59.2	56.1	52.9	49.5	45.9
82.5°	150.6	146.5	142.0	137.0	131.6	125.8	119.5	112.9	105.8	98.4	90.6
80°	237.5	231.5	224.8	217.5	209.5	201.0	191.8	182.0	171.6	161.2	150.9
77.5°	323.0	315.8	307.8	299.0	289.4	279.1	268.1	256.3	243.3	229.7	215.4
75°	414.9	405.1	394.1	382.1	369.0	354.9	341.2	327.1	312.2	296.5	280.1
72.5°	528.5	513.3	496.4	477.9	457.8	440.1	422.5	403.7	383.9	363.1	342.5
70°	671.5	649.3	624.7	597.7	572.3	547.4	520.8	492.6	462.8	436.6	411.6
67.5°	844.0	813.8	780.4	745.8	712.7	677.0	639.0	598.6	562.5	527.2	490.2
65°	1054.4	1010.6	962.0	920.4	876.0	828.2	777.2	728.7	681.1	631.3	580.8
62.5°	1310.4	1253.8	1195.5	1136.5	1072.6	1003.9	937.4	877.6	814.6	749.9	692.5
60°	1594.6	1530.1	1460.8	1385.3	1303.5	1216.9	1136.5	1051.5	962.0	889.2	813.8
57.5°	1882.6	1813.5	1735.3	1649.8	1557.6	1460.8	1358.9	1251.2	1149.8	1047.9	945.9
55°	2156.9	2084.4	2002.7	1913.6	1816.3	1708.8	1594.6	1475.7	1353.1	1225.1	1110.1
52.5°	2399.9	2328.5	2249.8	2164.1	2062.4	1951.0	1832.4	1702.3	1565.9	1426.9	1283.7
50°	2619.0	2549.0	2472.0	2385.9	2286.1	2179.7	2057.0	1923.1	1780.3	1627.9	1471.6
47.5°	2817.8	2749.3	2674.1	2586.1	2489.1	2383.1	2262.1	2133.9	1984.1	1827.6	1659.1
45°	3000.4	2932.3	2856.7	2768.8	2674.6	2566.3	2449.4	2317.9	2176.5	2014.8	1843.5
42.5°	3162.8	3099.2	3023.4	2936.5	2841.4	2734.4	2618.5	2488.0	2346.0	2190.3	2014.8
40°	3304.2	3245.2	3170.8	3090.1	2994.0	2888.9	2770.7	2644.8	2501.0	2346.0	2176.5
37.5°	3427.8	3369.4	3300.2	3223.2	3131.3	3029.0	2911.8	2782.9	2644.8	2488.0	2317.9
35°	3536.5	3479.0	3413.9	3337.6	3253.3	3152.1	3040.7	2911.8	2770.7	2618.5	2449.4
32.5°	3629.9	3574.7	3513.9	3439.5	3356.5	3262.5	3152.1	3029.0	2888.9	2734.4	2566.3
30°	3707.0	3657.3	3598.1	3530.2	3448.1	3356.5	3253.3	3131.3	2994.0	2841.4	2674.6
27.5°	3773.4	3728.0	3671.0	3606.0	3530.2	3439.5	3337.6	3223.2	3090.1	2936.5	2768.8
25°	3829.3	3786.1	3734.1	3671.0	3598.1	3513.9	3413.9	3300.2	3170.8	3023.4	2856.7
22.5°	3875.4	3834.7	3786.1	3728.0	3657.3	3574.7	3479.0	3369.4	3245.2	3099.2	2932.3
20°	3910.8	3875.4	3829.3	3773.4	3707.0	3629.9	3536.5	3427.8	3304.2	3162.8	3000.4
17.5°	3933.6	3906.2	3865.6	3813.5	3748.7	3672.6	3583.1	3478.3	3357.5	3220.1	3061.6
15°	3948.9	3928.2	3892.5	3843.8	3783.4	3710.2	3624.5	3522.8	3402.9	3266.7	3109.2
12.5°	3952.7	3942.0	3915.3	3870.4	3812.3	3740.5	3656.0	3555.8	3438.5	3304.0	3149.2
10°	3955.0	3949.8	3928.4	3888.0	3832.7	3763.8	3681.1	3583.3	3468.1	3335.0	3182.4
7.5°	3953.3	3952.2	3937.0	3902.1	3849.0	3782.3	3700.9	3605.1	3491.4	3359.4	3208.4
5°	3952.0	3953.9	3943.3	3912.3	3860.9	3795.7	3715.3	3620.7	3508.2	3377.0	3227.1
2.5°	3951.3	3955.0	3947.1	3918.6	3868.1	3803.8	3724.0	3630.2	3518.3	3387.6	3238.4
0°	3951.0	3955.4	3948.4	3920.7	3870.5	3806.5	3726.9	3633.4	3521.7	3391.1	3242.2
-2.5°	3951.3	3955.0	3947.1	3918.6	3868.1	3803.8	3724.0	3630.2	3518.3	3387.6	3238.4
-5°	3952.0	3953.9	3943.3	3912.3	3860.9	3795.7	3715.3	3620.7	3508.2	3377.0	3227.1
-7.5°	3953.3	3952.2	3937.0	3902.1	3849.0	3782.3	3700.9	3605.1	3491.4	3359.4	3208.4
-10°	3955.0	3949.8	3928.4	3888.0	3832.7	3763.8	3681.1	3583.3	3468.1	3335.0	3182.4
-12.5°	3952.7	3942.0	3915.3	3870.4	3812.3	3740.5	3656.0	3555.8	3438.5	3304.0	3149.2
-15°	3948.9	3928.2	3892.5	3843.8	3783.4	3710.2	3624.5	3522.8	3402.9	3266.7	3109.2
-17.5°	3933.6	3906.2	3865.6	3813.5	3748.7	3672.6	3583.1	3478.3	3357.5	3220.1	3061.6
-20°	3910.8	3875.4	3829.3	3773.4	3707.0	3629.9	3536.5	3427.8	3304.2	3162.8	3000.4



REPORT NUMBER: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3875.4	3834.7	3786.1	3728.0	3657.3	3574.7	3479.0	3369.4	3245.2	3099.2	2932.3
-25°	3829.3	3786.1	3734.1	3671.0	3598.1	3513.9	3413.9	3300.2	3170.8	3023.4	2856.7
-27.5°	3773.4	3728.0	3671.0	3606.0	3530.2	3439.5	3337.6	3223.2	3090.1	2936.5	2768.8
-30°	3707.0	3657.3	3598.1	3530.2	3448.1	3356.5	3253.3	3131.3	2994.0	2841.4	2674.6
-32.5°	3629.9	3574.7	3513.9	3439.5	3356.5	3262.5	3152.1	3029.0	2888.9	2734.4	2566.3
-35°	3536.5	3479.0	3413.9	3337.6	3253.3	3152.1	3040.7	2911.8	2770.7	2618.5	2449.4
-37.5°	3427.8	3369.4	3300.2	3223.2	3131.3	3029.0	2911.8	2782.9	2644.8	2488.0	2317.9
-40°	3304.2	3245.2	3170.8	3090.1	2994.0	2888.9	2770.7	2644.8	2501.0	2346.0	2176.5
-42.5°	3162.8	3099.2	3023.4	2936.5	2841.4	2734.4	2618.5	2488.0	2346.0	2190.3	2014.8
-45°	3000.4	2932.3	2856.7	2768.8	2674.6	2566.3	2449.4	2317.9	2176.5	2014.8	1843.5
-47.5°	2817.8	2749.3	2674.1	2586.1	2489.1	2383.1	2262.1	2133.9	1984.1	1827.6	1659.1
-50°	2619.0	2549.0	2472.0	2385.9	2286.1	2179.7	2057.0	1923.1	1780.3	1627.9	1471.6
-52.5°	2399.9	2328.5	2249.8	2164.1	2062.4	1951.0	1832.4	1702.3	1565.9	1426.9	1283.7
-55°	2156.9	2084.4	2002.7	1913.6	1816.3	1708.8	1594.6	1475.7	1353.1	1225.1	1110.1
-57.5°	1882.6	1813.5	1735.3	1649.8	1557.6	1460.8	1358.9	1251.2	1149.8	1047.9	945.9
-60°	1594.6	1530.1	1460.8	1385.3	1303.5	1216.9	1136.5	1051.5	962.0	889.2	813.8
-62.5°	1310.4	1253.8	1195.5	1136.5	1072.6	1003.9	937.4	877.6	814.6	749.9	692.5
-65°	1054.4	1010.6	962.0	920.4	876.0	828.2	777.2	728.7	681.1	631.3	580.8
-67.5°	844.0	813.8	780.4	745.8	712.7	677.0	639.0	598.6	562.5	527.2	490.2
-70°	671.5	649.3	624.7	597.7	572.3	547.4	520.8	492.6	462.8	436.6	411.6
-72.5°	528.5	513.3	496.4	477.9	457.8	440.1	422.5	403.7	383.9	363.1	342.5
-75°	414.9	405.1	394.1	382.1	369.0	354.9	341.2	327.1	312.2	296.5	280.1
-77.5°	323.0	315.8	307.8	299.0	289.4	279.1	268.1	256.3	243.3	229.7	215.4
-80°	237.5	231.5	224.8	217.5	209.5	201.0	191.8	182.0	171.6	161.2	150.9
-82.5°	150.6	146.5	142.0	137.0	131.6	125.8	119.5	112.9	105.8	98.4	90.6
-85°	73.4	71.5	69.4	67.2	64.7	62.0	59.2	56.1	52.9	49.5	45.9
-87.5°	20.3	20.0	19.6	19.2	18.7	18.2	17.7	17.1	16.5	15.9	15.3
-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: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2C-740-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°	14.6	13.9	13.1	12.4	11.6	10.8	10.0	9.1	8.3	7.4	6.5
85°	42.2	38.4	34.4	30.2	25.9	21.6	19.9	18.2	16.5	14.8	13.0
82.5°	82.5	76.1	70.1	63.9	57.4	50.9	44.1	37.2	30.2	23.0	19.4
80°	140.1	128.8	117.1	105.1	92.6	80.1	71.1	61.9	52.5	42.9	33.2
77.5°	200.5	185.0	168.9	153.6	138.0	122.1	105.7	89.0	74.6	62.7	50.6
75°	263.0	244.5	225.2	205.3	184.8	164.0	144.4	124.4	104.0	83.2	67.9
72.5°	322.5	301.7	280.2	257.9	234.0	209.5	184.4	159.4	135.6	111.5	86.9
70°	385.6	358.7	333.1	307.8	281.7	254.7	226.0	196.8	167.0	139.4	111.5
67.5°	452.0	421.6	390.2	357.8	327.7	297.6	266.9	234.4	200.9	167.0	135.6
65°	538.0	493.6	449.0	413.0	376.0	339.7	305.6	270.9	234.4	196.8	159.4
62.5°	632.8	574.2	523.8	471.9	426.7	385.2	343.7	305.6	266.9	226.0	184.4
60°	739.0	671.5	601.8	542.1	484.0	431.3	385.2	339.7	297.6	254.7	209.5
57.5°	860.9	773.1	694.9	617.3	548.2	484.0	426.7	376.0	327.7	281.7	234.0
55°	991.3	889.4	792.0	702.7	617.3	542.1	471.9	413.0	357.8	307.8	257.9
52.5°	1147.7	1016.2	899.0	792.0	694.9	601.8	523.8	449.0	390.2	333.1	280.2
50°	1313.2	1160.3	1016.2	889.4	773.1	671.5	574.2	493.6	421.6	358.7	301.7
47.5°	1486.5	1313.2	1147.7	991.3	860.9	739.0	632.8	538.0	452.0	385.6	322.5
45°	1659.1	1471.6	1283.7	1110.1	945.9	813.8	692.5	580.8	490.2	411.6	342.5
42.5°	1827.6	1627.9	1426.9	1225.1	1047.9	889.2	749.9	631.3	527.2	436.6	363.1
40°	1984.1	1780.3	1565.9	1353.1	1149.8	962.0	814.6	681.1	562.5	462.8	383.9
37.5°	2133.9	1923.1	1702.3	1475.7	1251.2	1051.5	877.6	728.7	598.6	492.6	403.7
35°	2262.1	2057.0	1832.4	1594.6	1358.9	1136.5	937.4	777.2	639.0	520.8	422.5
32.5°	2383.1	2179.7	1951.0	1708.8	1460.8	1216.9	1003.9	828.2	677.0	547.4	440.1
30°	2489.1	2286.1	2062.4	1816.3	1557.6	1303.5	1072.6	876.0	712.7	572.3	457.8
27.5°	2586.1	2385.9	2164.1	1913.6	1649.8	1385.3	1136.5	920.4	745.8	597.7	477.9
25°	2674.1	2472.0	2249.8	2002.7	1735.3	1460.8	1195.5	962.0	780.4	624.7	496.4
22.5°	2749.3	2549.0	2328.5	2084.4	1813.5	1530.1	1253.8	1010.6	813.8	649.3	513.3
20°	2817.8	2619.0	2399.9	2156.9	1882.6	1594.6	1310.4	1054.4	844.0	671.5	528.5
17.5°	2878.4	2678.8	2458.6	2215.5	1943.0	1652.0	1360.8	1093.5	870.8	691.2	542.1
15°	2928.0	2728.5	2509.1	2266.7	1995.9	1702.3	1404.9	1127.5	894.2	708.4	553.8
12.5°	2970.6	2771.0	2552.3	2310.5	2040.9	1745.1	1442.4	1156.5	914.1	723.0	563.9
10°	3005.7	2806.0	2587.9	2346.5	2078.1	1780.3	1473.2	1180.3	930.5	735.0	572.1
7.5°	3033.3	2833.6	2615.8	2374.8	2107.1	1807.9	1497.4	1199.0	943.3	744.4	578.5
5°	3053.2	2853.3	2635.8	2395.0	2128.0	1827.6	1514.6	1212.3	952.5	751.1	583.1
2.5°	3065.1	2865.2	2647.9	2407.2	2140.5	1839.5	1525.0	1220.3	958.0	755.2	585.9
0°	3069.1	2869.2	2651.9	2411.3	2144.7	1843.5	1528.5	1223.0	959.8	756.5	586.8
-2.5°	3065.1	2865.2	2647.9	2407.2	2140.5	1839.5	1525.0	1220.3	958.0	755.2	585.9
-5°	3053.2	2853.3	2635.8	2395.0	2128.0	1827.6	1514.6	1212.3	952.5	751.1	583.1
-7.5°	3033.3	2833.6	2615.8	2374.8	2107.1	1807.9	1497.4	1199.0	943.3	744.4	578.5
-10°	3005.7	2806.0	2587.9	2346.5	2078.1	1780.3	1473.2	1180.3	930.5	735.0	572.1
-12.5°	2970.6	2771.0	2552.3	2310.5	2040.9	1745.1	1442.4	1156.5	914.1	723.0	563.9
-15°	2928.0	2728.5	2509.1	2266.7	1995.9	1702.3	1404.9	1127.5	894.2	708.4	553.8
-17.5°	2878.4	2678.8	2458.6	2215.5	1943.0	1652.0	1360.8	1093.5	870.8	691.2	542.1
-20°	2817.8	2619.0	2399.9	2156.9	1882.6	1594.6	1310.4	1054.4	844.0	671.5	528.5

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Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P645376 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2C-740-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2749.3	2549.0	2328.5	2084.4	1813.5	1530.1	1253.8	1010.6	813.8	649.3	513.3
-25°	2674.1	2472.0	2249.8	2002.7	1735.3	1460.8	1195.5	962.0	780.4	624.7	496.4
-27.5°	2586.1	2385.9	2164.1	1913.6	1649.8	1385.3	1136.5	920.4	745.8	597.7	477.9
-30°	2489.1	2286.1	2062.4	1816.3	1557.6	1303.5	1072.6	876.0	712.7	572.3	457.8
-32.5°	2383.1	2179.7	1951.0	1708.8	1460.8	1216.9	1003.9	828.2	677.0	547.4	440.1
-35°	2262.1	2057.0	1832.4	1594.6	1358.9	1136.5	937.4	777.2	639.0	520.8	422.5
-37.5°	2133.9	1923.1	1702.3	1475.7	1251.2	1051.5	877.6	728.7	598.6	492.6	403.7
-40°	1984.1	1780.3	1565.9	1353.1	1149.8	962.0	814.6	681.1	562.5	462.8	383.9
-42.5°	1827.6	1627.9	1426.9	1225.1	1047.9	889.2	749.9	631.3	527.2	436.6	363.1
-45°	1659.1	1471.6	1283.7	1110.1	945.9	813.8	692.5	580.8	490.2	411.6	342.5
-47.5°	1486.5	1313.2	1147.7	991.3	860.9	739.0	632.8	538.0	452.0	385.6	322.5
-50°	1313.2	1160.3	1016.2	889.4	773.1	671.5	574.2	493.6	421.6	358.7	301.7
-52.5°	1147.7	1016.2	899.0	792.0	694.9	601.8	523.8	449.0	390.2	333.1	280.2
-55°	991.3	889.4	792.0	702.7	617.3	542.1	471.9	413.0	357.8	307.8	257.9
-57.5°	860.9	773.1	694.9	617.3	548.2	484.0	426.7	376.0	327.7	281.7	234.0
-60°	739.0	671.5	601.8	542.1	484.0	431.3	385.2	339.7	297.6	254.7	209.5
-62.5°	632.8	574.2	523.8	471.9	426.7	385.2	343.7	305.6	266.9	226.0	184.4
-65°	538.0	493.6	449.0	413.0	376.0	339.7	305.6	270.9	234.4	196.8	159.4
-67.5°	452.0	421.6	390.2	357.8	327.7	297.6	266.9	234.4	200.9	167.0	135.6
-70°	385.6	358.7	333.1	307.8	281.7	254.7	226.0	196.8	167.0	139.4	111.5
-72.5°	322.5	301.7	280.2	257.9	234.0	209.5	184.4	159.4	135.6	111.5	86.9
-75°	263.0	244.5	225.2	205.3	184.8	164.0	144.4	124.4	104.0	83.2	67.9
-77.5°	200.5	185.0	168.9	153.6	138.0	122.1	105.7	89.0	74.6	62.7	50.6
-80°	140.1	128.8	117.1	105.1	92.6	80.1	71.1	61.9	52.5	42.9	33.2
-82.5°	82.5	76.1	70.1	63.9	57.4	50.9	44.1	37.2	30.2	23.0	19.4
-85°	42.2	38.4	34.4	30.2	25.9	21.6	19.9	18.2	16.5	14.8	13.0
-87.5°	14.6	13.9	13.1	12.4	11.6	10.8	10.0	9.1	8.3	7.4	6.5
-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: P645376 (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°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
85°	11.2	9.3	7.5	5.6	3.8	1.9	0.0
82.5°	16.7	14.0	11.2	8.4	5.6	2.8	0.0
80°	23.4	18.6	14.9	11.2	7.5	3.7	0.0
77.5°	38.4	26.0	18.6	14.0	9.3	4.7	0.0
75°	53.2	38.4	23.4	16.7	11.2	5.6	0.0
72.5°	67.9	50.6	33.2	19.4	13.0	6.5	0.0
70°	83.2	62.7	42.9	23.0	14.8	7.4	0.0
67.5°	104.0	74.6	52.5	30.2	16.5	8.3	0.0
65°	124.4	89.0	61.9	37.2	18.2	9.1	0.0
62.5°	144.4	105.7	71.1	44.1	19.9	10.0	0.0
60°	164.0	122.1	80.1	50.9	21.6	10.8	0.0
57.5°	184.8	138.0	92.6	57.4	25.9	11.6	0.0
55°	205.3	153.6	105.1	63.9	30.2	12.4	0.0
52.5°	225.2	168.9	117.1	70.1	34.4	13.1	0.0
50°	244.5	185.0	128.8	76.1	38.4	13.9	0.0
47.5°	263.0	200.5	140.1	82.5	42.2	14.6	0.0
45°	280.1	215.4	150.9	90.6	45.9	15.3	0.0
42.5°	296.5	229.7	161.2	98.4	49.5	15.9	0.0
40°	312.2	243.3	171.6	105.8	52.9	16.5	0.0
37.5°	327.1	256.3	182.0	112.9	56.1	17.1	0.0
35°	341.2	268.1	191.8	119.5	59.2	17.7	0.0
32.5°	354.9	279.1	201.0	125.8	62.0	18.2	0.0
30°	369.0	289.4	209.5	131.6	64.7	18.7	0.0
27.5°	382.1	299.0	217.5	137.0	67.2	19.2	0.0
25°	394.1	307.8	224.8	142.0	69.4	19.6	0.0
22.5°	405.1	315.8	231.5	146.5	71.5	20.0	0.0
20°	414.9	323.0	237.5	150.6	73.4	20.3	0.0
17.5°	423.7	329.4	242.9	154.2	75.0	20.6	0.0
15°	431.3	334.9	247.5	157.4	76.5	20.9	0.0
12.5°	437.8	339.7	251.5	160.1	77.7	21.1	0.0
10°	443.2	343.6	254.7	162.3	78.7	21.3	0.0
7.5°	447.3	346.6	257.2	164.0	79.5	21.4	0.0
5°	450.3	348.8	259.0	165.2	80.1	21.5	0.0
2.5°	452.1	350.1	260.1	166.0	80.4	21.6	0.0
0°	452.7	350.5	260.5	166.2	80.5	21.6	0.0
-2.5°	452.1	350.1	260.1	166.0	80.4	21.6	0.0
-5°	450.3	348.8	259.0	165.2	80.1	21.5	0.0
-7.5°	447.3	346.6	257.2	164.0	79.5	21.4	0.0
-10°	443.2	343.6	254.7	162.3	78.7	21.3	0.0
-12.5°	437.8	339.7	251.5	160.1	77.7	21.1	0.0
-15°	431.3	334.9	247.5	157.4	76.5	20.9	0.0
-17.5°	423.7	329.4	242.9	154.2	75.0	20.6	0.0
-20°	414.9	323.0	237.5	150.6	73.4	20.3	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	405.1	315.8	231.5	146.5	71.5	20.0	0.0
-25°	394.1	307.8	224.8	142.0	69.4	19.6	0.0
-27.5°	382.1	299.0	217.5	137.0	67.2	19.2	0.0
-30°	369.0	289.4	209.5	131.6	64.7	18.7	0.0
-32.5°	354.9	279.1	201.0	125.8	62.0	18.2	0.0
-35°	341.2	268.1	191.8	119.5	59.2	17.7	0.0
-37.5°	327.1	256.3	182.0	112.9	56.1	17.1	0.0
-40°	312.2	243.3	171.6	105.8	52.9	16.5	0.0
-42.5°	296.5	229.7	161.2	98.4	49.5	15.9	0.0
-45°	280.1	215.4	150.9	90.6	45.9	15.3	0.0
-47.5°	263.0	200.5	140.1	82.5	42.2	14.6	0.0
-50°	244.5	185.0	128.8	76.1	38.4	13.9	0.0
-52.5°	225.2	168.9	117.1	70.1	34.4	13.1	0.0
-55°	205.3	153.6	105.1	63.9	30.2	12.4	0.0
-57.5°	184.8	138.0	92.6	57.4	25.9	11.6	0.0
-60°	164.0	122.1	80.1	50.9	21.6	10.8	0.0
-62.5°	144.4	105.7	71.1	44.1	19.9	10.0	0.0
-65°	124.4	89.0	61.9	37.2	18.2	9.1	0.0
-67.5°	104.0	74.6	52.5	30.2	16.5	8.3	0.0
-70°	83.2	62.7	42.9	23.0	14.8	7.4	0.0
-72.5°	67.9	50.6	33.2	19.4	13.0	6.5	0.0
-75°	53.2	38.4	23.4	16.7	11.2	5.6	0.0
-77.5°	38.4	26.0	18.6	14.0	9.3	4.7	0.0
-80°	23.4	18.6	14.9	11.2	7.5	3.7	0.0
-82.5°	16.7	14.0	11.2	8.4	5.6	2.8	0.0
-85°	11.2	9.3	7.5	5.6	3.8	1.9	0.0
-87.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)