

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: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-730-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645396 (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-SA2E-730-U-LAM-XX  
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

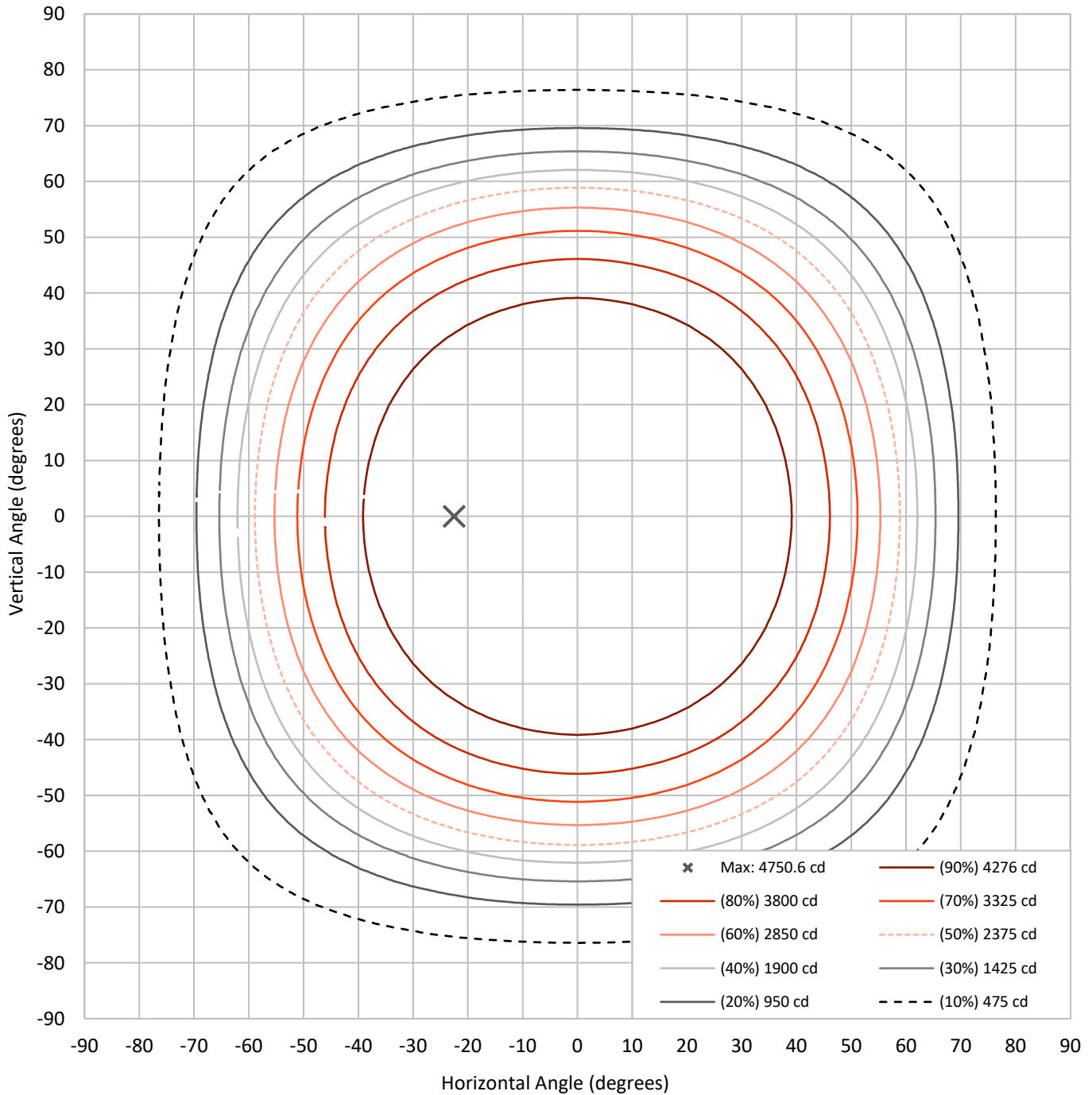
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14532.4 lumens	Max Intensity:	4750.6 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	115.6 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:	12094.1 lumens	Field Lumens:	14246.6 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	125.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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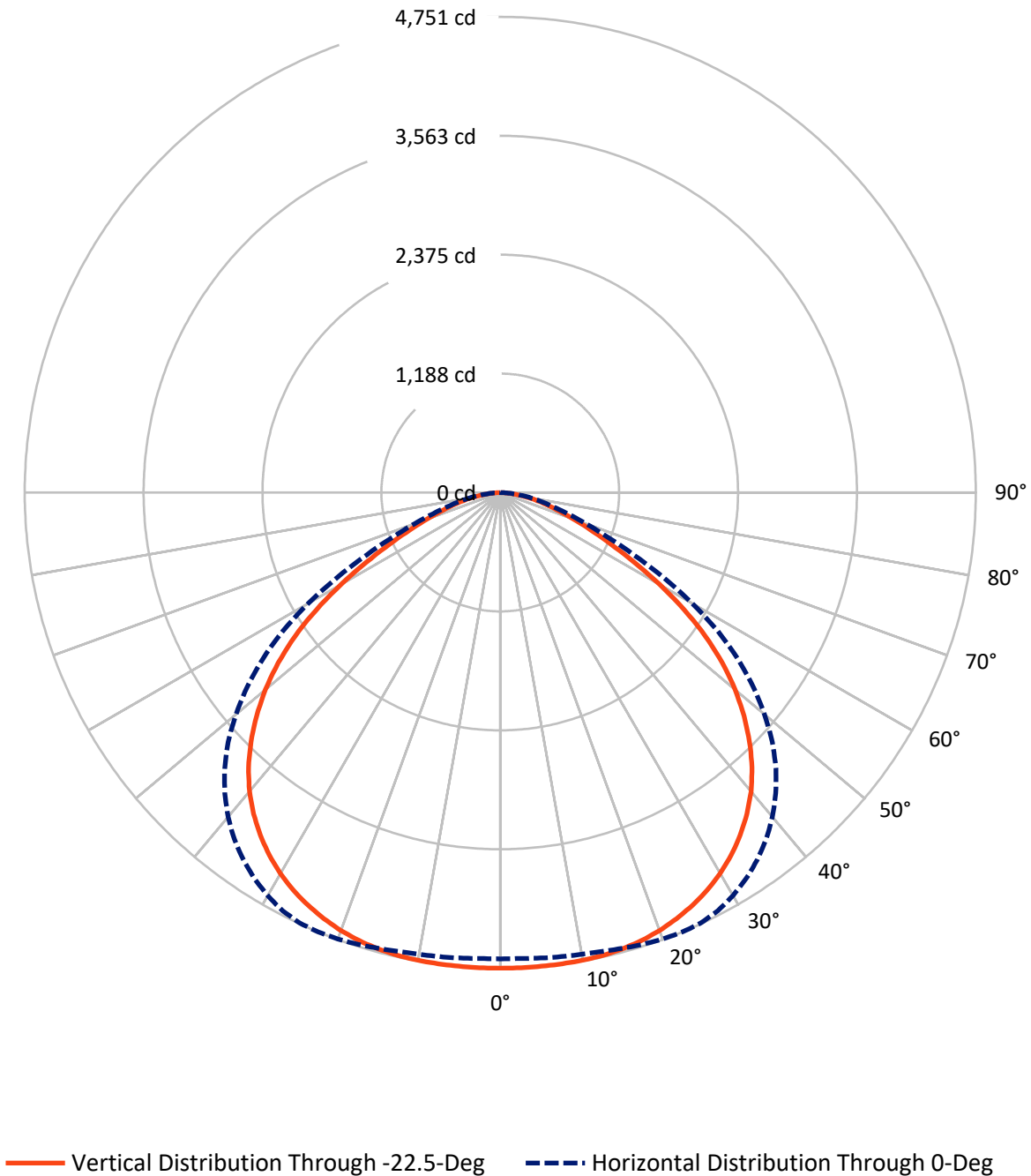
### Iso-Candela Plot





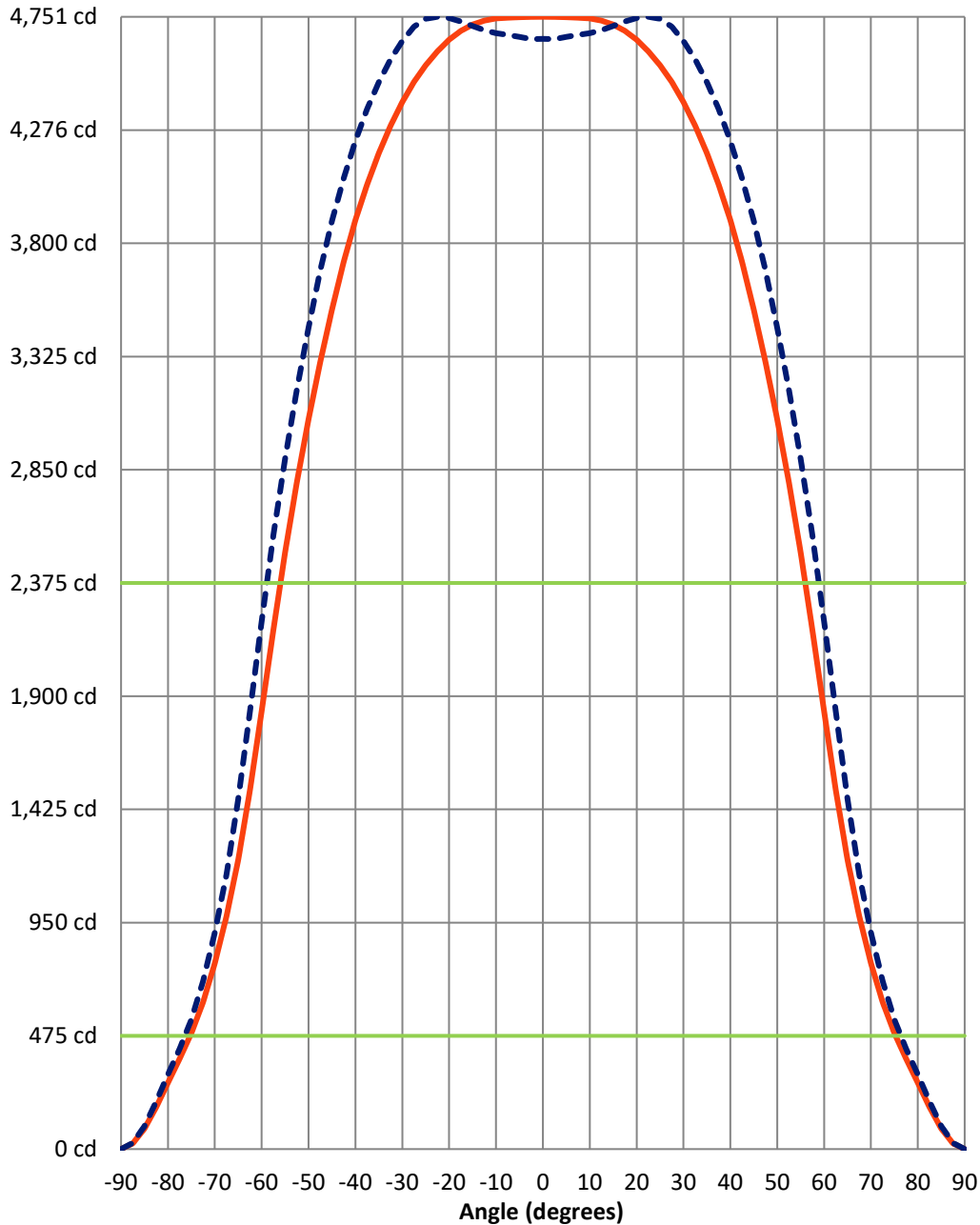
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 12094.1  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 14246.6  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 285.8  
 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	1.1	2.3	3.4	4.5	5.6	6.7	7.8	8.9	9.9	11.0
85°	0.0	2.3	4.5	6.8	9.0	11.2	13.4	15.6	17.8	19.9	22.0
82.5°	0.0	3.4	6.8	10.2	13.5	16.8	20.1	23.4	27.7	36.3	44.7
80°	0.0	4.5	9.0	13.5	18.0	22.4	28.1	39.9	51.6	63.1	74.3
77.5°	0.0	5.6	11.2	16.8	22.4	31.2	46.1	60.8	75.4	89.7	106.9
75°	0.0	6.7	13.4	20.1	28.1	46.1	63.9	81.5	99.9	124.9	149.4
72.5°	0.0	7.8	15.6	23.4	39.9	60.8	81.5	104.4	133.9	162.9	191.4
70°	0.0	8.9	17.8	27.7	51.6	75.4	99.9	133.9	167.4	200.5	236.3
67.5°	0.0	9.9	19.9	36.3	63.1	89.7	124.9	162.9	200.5	241.3	281.5
65°	0.0	11.0	22.0	44.7	74.3	106.9	149.4	191.4	236.3	281.5	325.4
62.5°	0.0	12.0	24.0	53.0	85.4	127.0	173.4	221.4	271.5	320.6	367.1
60°	0.0	13.0	26.0	61.1	96.2	146.6	196.9	251.6	305.9	357.5	408.0
57.5°	0.0	14.0	31.2	69.0	111.3	165.8	222.0	281.1	338.4	393.6	451.7
55°	0.0	14.9	36.3	76.7	126.2	184.4	246.6	309.8	369.7	429.8	496.0
52.5°	0.0	15.8	41.3	84.2	140.7	202.8	270.5	336.6	400.1	468.7	539.2
50°	0.0	16.7	46.1	91.4	154.7	222.1	293.7	362.4	430.8	506.4	592.8
47.5°	0.0	17.6	50.8	99.1	168.2	240.8	315.9	387.3	463.2	542.9	646.1
45°	0.0	18.4	55.2	108.9	181.2	258.7	336.5	411.3	494.4	588.8	697.6
42.5°	0.0	19.2	59.5	118.2	193.7	275.8	356.2	436.2	524.3	633.2	758.2
40°	0.0	19.9	63.6	127.1	206.1	292.2	375.0	461.1	555.9	675.6	818.0
37.5°	0.0	20.6	67.4	135.5	218.6	307.8	392.9	484.9	591.7	719.0	875.1
35°	0.0	21.3	71.1	143.5	230.3	322.1	409.8	507.4	625.5	767.4	933.4
32.5°	0.0	21.9	74.5	151.0	241.4	335.3	426.3	528.6	657.5	813.1	994.6
30°	0.0	22.5	77.7	158.1	251.7	347.6	443.2	549.8	687.4	855.9	1052.1
27.5°	0.0	23.1	80.7	164.6	261.3	359.1	458.9	574.0	717.9	895.7	1105.5
25°	0.0	23.6	83.4	170.5	270.1	369.7	473.3	596.2	750.2	937.2	1155.5
22.5°	0.0	24.0	85.9	176.0	278.1	379.3	486.5	616.5	779.8	977.4	1213.8
20°	0.0	24.4	88.2	180.9	285.3	387.9	498.4	634.8	806.4	1013.6	1266.4
17.5°	0.0	24.8	90.1	185.2	291.7	395.6	508.9	651.0	830.1	1045.9	1313.3
15°	0.0	25.1	91.9	189.0	297.3	402.3	518.1	665.2	850.7	1074.0	1354.1
12.5°	0.0	25.4	93.3	192.2	302.1	408.0	525.9	677.2	868.3	1097.9	1389.0
10°	0.0	25.6	94.5	194.9	305.9	412.7	532.3	687.1	882.7	1117.6	1417.6
7.5°	0.0	25.8	95.5	196.9	309.0	416.3	537.3	694.8	894.0	1133.0	1439.9
5°	0.0	25.9	96.2	198.4	311.2	418.9	540.8	700.4	902.0	1144.0	1456.0
2.5°	0.0	26.0	96.6	199.3	312.5	420.5	543.0	703.7	906.9	1150.6	1465.6
0°	0.0	26.0	96.7	199.6	312.9	421.0	543.7	704.8	908.5	1152.8	1468.8
-2.5°	0.0	26.0	96.6	199.3	312.5	420.5	543.0	703.7	906.9	1150.6	1465.6
-5°	0.0	25.9	96.2	198.4	311.2	418.9	540.8	700.4	902.0	1144.0	1456.0
-7.5°	0.0	25.8	95.5	196.9	309.0	416.3	537.3	694.8	894.0	1133.0	1439.9
-10°	0.0	25.6	94.5	194.9	305.9	412.7	532.3	687.1	882.7	1117.6	1417.6
-12.5°	0.0	25.4	93.3	192.2	302.1	408.0	525.9	677.2	868.3	1097.9	1389.0
-15°	0.0	25.1	91.9	189.0	297.3	402.3	518.1	665.2	850.7	1074.0	1354.1
-17.5°	0.0	24.8	90.1	185.2	291.7	395.6	508.9	651.0	830.1	1045.9	1313.3
-20°	0.0	24.4	88.2	180.9	285.3	387.9	498.4	634.8	806.4	1013.6	1266.4

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA2E-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	24.0	85.9	176.0	278.1	379.3	486.5	616.5	779.8	977.4	1213.8
-25°	0.0	23.6	83.4	170.5	270.1	369.7	473.3	596.2	750.2	937.2	1155.5
-27.5°	0.0	23.1	80.7	164.6	261.3	359.1	458.9	574.0	717.9	895.7	1105.5
-30°	0.0	22.5	77.7	158.1	251.7	347.6	443.2	549.8	687.4	855.9	1052.1
-32.5°	0.0	21.9	74.5	151.0	241.4	335.3	426.3	528.6	657.5	813.1	994.6
-35°	0.0	21.3	71.1	143.5	230.3	322.1	409.8	507.4	625.5	767.4	933.4
-37.5°	0.0	20.6	67.4	135.5	218.6	307.8	392.9	484.9	591.7	719.0	875.1
-40°	0.0	19.9	63.6	127.1	206.1	292.2	375.0	461.1	555.9	675.6	818.0
-42.5°	0.0	19.2	59.5	118.2	193.7	275.8	356.2	436.2	524.3	633.2	758.2
-45°	0.0	18.4	55.2	108.9	181.2	258.7	336.5	411.3	494.4	588.8	697.6
-47.5°	0.0	17.6	50.8	99.1	168.2	240.8	315.9	387.3	463.2	542.9	646.1
-50°	0.0	16.7	46.1	91.4	154.7	222.1	293.7	362.4	430.8	506.4	592.8
-52.5°	0.0	15.8	41.3	84.2	140.7	202.8	270.5	336.6	400.1	468.7	539.2
-55°	0.0	14.9	36.3	76.7	126.2	184.4	246.6	309.8	369.7	429.8	496.0
-57.5°	0.0	14.0	31.2	69.0	111.3	165.8	222.0	281.1	338.4	393.6	451.7
-60°	0.0	13.0	26.0	61.1	96.2	146.6	196.9	251.6	305.9	357.5	408.0
-62.5°	0.0	12.0	24.0	53.0	85.4	127.0	173.4	221.4	271.5	320.6	367.1
-65°	0.0	11.0	22.0	44.7	74.3	106.9	149.4	191.4	236.3	281.5	325.4
-67.5°	0.0	9.9	19.9	36.3	63.1	89.7	124.9	162.9	200.5	241.3	281.5
-70°	0.0	8.9	17.8	27.7	51.6	75.4	99.9	133.9	167.4	200.5	236.3
-72.5°	0.0	7.8	15.6	23.4	39.9	60.8	81.5	104.4	133.9	162.9	191.4
-75°	0.0	6.7	13.4	20.1	28.1	46.1	63.9	81.5	99.9	124.9	149.4
-77.5°	0.0	5.6	11.2	16.8	22.4	31.2	46.1	60.8	75.4	89.7	106.9
-80°	0.0	4.5	9.0	13.5	18.0	22.4	28.1	39.9	51.6	63.1	74.3
-82.5°	0.0	3.4	6.8	10.2	13.5	16.8	20.1	23.4	27.7	36.3	44.7
-85°	0.0	2.3	4.5	6.8	9.0	11.2	13.4	15.6	17.8	19.9	22.0
-87.5°	0.0	1.1	2.3	3.4	4.5	5.6	6.7	7.8	8.9	9.9	11.0
-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: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-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°	12.0	13.0	14.0	14.9	15.8	16.7	17.6	18.4	19.2	19.9	20.6
85°	24.0	26.0	31.2	36.3	41.3	46.1	50.8	55.2	59.5	63.6	67.4
82.5°	53.0	61.1	69.0	76.7	84.2	91.4	99.1	108.9	118.2	127.1	135.5
80°	85.4	96.2	111.3	126.2	140.7	154.7	168.2	181.2	193.7	206.1	218.6
77.5°	127.0	146.6	165.8	184.4	202.8	222.1	240.8	258.7	275.8	292.2	307.8
75°	173.4	196.9	222.0	246.6	270.5	293.7	315.9	336.5	356.2	375.0	392.9
72.5°	221.4	251.6	281.1	309.8	336.6	362.4	387.3	411.3	436.2	461.1	484.9
70°	271.5	305.9	338.4	369.7	400.1	430.8	463.2	494.4	524.3	555.9	591.7
67.5°	320.6	357.5	393.6	429.8	468.7	506.4	542.9	588.8	633.2	675.6	719.0
65°	367.1	408.0	451.7	496.0	539.2	592.8	646.1	697.6	758.2	818.0	875.1
62.5°	412.8	462.6	512.5	566.8	629.1	689.7	760.0	831.6	900.6	978.4	1054.0
60°	462.6	518.1	581.3	651.0	722.8	806.4	887.5	977.4	1067.9	1155.5	1262.8
57.5°	512.5	581.3	658.4	741.4	834.5	928.5	1034.0	1136.1	1258.6	1381.0	1502.7
55°	566.8	651.0	741.4	843.9	951.2	1068.2	1190.6	1333.2	1471.3	1625.1	1772.4
52.5°	629.1	722.8	834.5	951.2	1079.7	1220.5	1378.4	1541.7	1713.7	1880.7	2044.5
50°	689.7	806.4	928.5	1068.2	1220.5	1393.5	1577.2	1767.4	1955.2	2138.3	2309.8
47.5°	760.0	887.5	1034.0	1190.6	1378.4	1577.2	1785.4	1992.6	2195.2	2383.0	2563.0
45°	831.6	977.4	1136.1	1333.2	1541.7	1767.4	1992.6	2214.2	2419.9	2614.0	2783.9
42.5°	900.6	1067.9	1258.6	1471.3	1713.7	1955.2	2195.2	2419.9	2630.7	2817.7	2988.3
40°	978.4	1155.5	1381.0	1625.1	1880.7	2138.3	2383.0	2614.0	2817.7	3003.8	3176.6
37.5°	1054.0	1262.8	1502.7	1772.4	2044.5	2309.8	2563.0	2783.9	2988.3	3176.6	3342.3
35°	1125.9	1364.9	1632.1	1915.2	2200.9	2470.6	2717.0	2941.9	3145.0	3327.7	3497.1
32.5°	1205.8	1461.4	1754.5	2052.3	2343.3	2617.9	2862.2	3082.2	3284.1	3469.7	3637.9
30°	1288.2	1565.5	1870.7	2181.5	2477.0	2745.7	2989.6	3212.4	3412.6	3595.9	3760.8
27.5°	1364.9	1663.7	1981.6	2298.4	2599.2	2865.5	3106.1	3325.4	3526.8	3711.4	3871.3
25°	1435.8	1754.5	2084.2	2405.4	2702.1	2969.0	3211.8	3430.9	3631.2	3808.3	3963.7
22.5°	1505.8	1837.7	2178.2	2503.5	2796.6	3061.6	3302.1	3521.8	3722.2	3897.7	4046.7
20°	1573.8	1915.2	2261.1	2590.6	2882.4	3145.6	3384.3	3603.6	3798.7	3968.6	4116.9
17.5°	1634.4	1984.2	2333.7	2660.9	2952.9	3217.4	3457.0	3677.1	3867.5	4032.5	4177.6
15°	1687.3	2044.5	2397.2	2722.4	3013.6	3277.0	3516.7	3734.3	3923.4	4087.0	4231.1
12.5°	1732.3	2096.0	2451.3	2775.0	3065.5	3328.0	3567.7	3782.4	3968.3	4129.8	4270.8
10°	1769.4	2138.3	2495.9	2818.3	3108.2	3370.2	3610.0	3822.2	4005.5	4165.3	4303.8
7.5°	1798.4	2171.4	2530.8	2852.2	3141.7	3403.2	3643.1	3853.5	4034.8	4193.3	4329.9
5°	1819.1	2195.2	2555.8	2876.6	3165.8	3426.9	3666.9	3876.0	4055.8	4213.5	4348.7
2.5°	1831.6	2209.4	2570.9	2891.2	3180.3	3441.2	3681.3	3889.6	4068.5	4225.7	4360.1
0°	1835.8	2214.2	2575.9	2896.1	3185.1	3446.0	3686.1	3894.1	4072.8	4229.8	4363.9
-2.5°	1831.6	2209.4	2570.9	2891.2	3180.3	3441.2	3681.3	3889.6	4068.5	4225.7	4360.1
-5°	1819.1	2195.2	2555.8	2876.6	3165.8	3426.9	3666.9	3876.0	4055.8	4213.5	4348.7
-7.5°	1798.4	2171.4	2530.8	2852.2	3141.7	3403.2	3643.1	3853.5	4034.8	4193.3	4329.9
-10°	1769.4	2138.3	2495.9	2818.3	3108.2	3370.2	3610.0	3822.2	4005.5	4165.3	4303.8
-12.5°	1732.3	2096.0	2451.3	2775.0	3065.5	3328.0	3567.7	3782.4	3968.3	4129.8	4270.8
-15°	1687.3	2044.5	2397.2	2722.4	3013.6	3277.0	3516.7	3734.3	3923.4	4087.0	4231.1
-17.5°	1634.4	1984.2	2333.7	2660.9	2952.9	3217.4	3457.0	3677.1	3867.5	4032.5	4177.6
-20°	1573.8	1915.2	2261.1	2590.6	2882.4	3145.6	3384.3	3603.6	3798.7	3968.6	4116.9



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 CATALOG NUMBER: GFLD-SA2E-730-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°	1505.8	1837.7	2178.2	2503.5	2796.6	3061.6	3302.1	3521.8	3722.2	3897.7	4046.7
-25°	1435.8	1754.5	2084.2	2405.4	2702.1	2969.0	3211.8	3430.9	3631.2	3808.3	3963.7
-27.5°	1364.9	1663.7	1981.6	2298.4	2599.2	2865.5	3106.1	3325.4	3526.8	3711.4	3871.3
-30°	1288.2	1565.5	1870.7	2181.5	2477.0	2745.7	2989.6	3212.4	3412.6	3595.9	3760.8
-32.5°	1205.8	1461.4	1754.5	2052.3	2343.3	2617.9	2862.2	3082.2	3284.1	3469.7	3637.9
-35°	1125.9	1364.9	1632.1	1915.2	2200.9	2470.6	2717.0	2941.9	3145.0	3327.7	3497.1
-37.5°	1054.0	1262.8	1502.7	1772.4	2044.5	2309.8	2563.0	2783.9	2988.3	3176.6	3342.3
-40°	978.4	1155.5	1381.0	1625.1	1880.7	2138.3	2383.0	2614.0	2817.7	3003.8	3176.6
-42.5°	900.6	1067.9	1258.6	1471.3	1713.7	1955.2	2195.2	2419.9	2630.7	2817.7	2988.3
-45°	831.6	977.4	1136.1	1333.2	1541.7	1767.4	1992.6	2214.2	2419.9	2614.0	2783.9
-47.5°	760.0	887.5	1034.0	1190.6	1378.4	1577.2	1785.4	1992.6	2195.2	2383.0	2563.0
-50°	689.7	806.4	928.5	1068.2	1220.5	1393.5	1577.2	1767.4	1955.2	2138.3	2309.8
-52.5°	629.1	722.8	834.5	951.2	1079.7	1220.5	1378.4	1541.7	1713.7	1880.7	2044.5
-55°	566.8	651.0	741.4	843.9	951.2	1068.2	1190.6	1333.2	1471.3	1625.1	1772.4
-57.5°	512.5	581.3	658.4	741.4	834.5	928.5	1034.0	1136.1	1258.6	1381.0	1502.7
-60°	462.6	518.1	581.3	651.0	722.8	806.4	887.5	977.4	1067.9	1155.5	1262.8
-62.5°	412.8	462.6	512.5	566.8	629.1	689.7	760.0	831.6	900.6	978.4	1054.0
-65°	367.1	408.0	451.7	496.0	539.2	592.8	646.1	697.6	758.2	818.0	875.1
-67.5°	320.6	357.5	393.6	429.8	468.7	506.4	542.9	588.8	633.2	675.6	719.0
-70°	271.5	305.9	338.4	369.7	400.1	430.8	463.2	494.4	524.3	555.9	591.7
-72.5°	221.4	251.6	281.1	309.8	336.6	362.4	387.3	411.3	436.2	461.1	484.9
-75°	173.4	196.9	222.0	246.6	270.5	293.7	315.9	336.5	356.2	375.0	392.9
-77.5°	127.0	146.6	165.8	184.4	202.8	222.1	240.8	258.7	275.8	292.2	307.8
-80°	85.4	96.2	111.3	126.2	140.7	154.7	168.2	181.2	193.7	206.1	218.6
-82.5°	53.0	61.1	69.0	76.7	84.2	91.4	99.1	108.9	118.2	127.1	135.5
-85°	24.0	26.0	31.2	36.3	41.3	46.1	50.8	55.2	59.5	63.6	67.4
-87.5°	12.0	13.0	14.0	14.9	15.8	16.7	17.6	18.4	19.2	19.9	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

Classified

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

Scaled Data Report



REPORT NUMBER: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2E-730-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°	21.3	21.9	22.5	23.1	23.6	24.0	24.4	24.8	25.1	25.4	25.6
85°	71.1	74.5	77.7	80.7	83.4	85.9	88.2	90.1	91.9	93.3	94.5
82.5°	143.5	151.0	158.1	164.6	170.5	176.0	180.9	185.2	189.0	192.2	194.9
80°	230.3	241.4	251.7	261.3	270.1	278.1	285.3	291.7	297.3	302.1	305.9
77.5°	322.1	335.3	347.6	359.1	369.7	379.3	387.9	395.6	402.3	408.0	412.7
75°	409.8	426.3	443.2	458.9	473.3	486.5	498.4	508.9	518.1	525.9	532.3
72.5°	507.4	528.6	549.8	574.0	596.2	616.5	634.8	651.0	665.2	677.2	687.1
70°	625.5	657.5	687.4	717.9	750.2	779.8	806.4	830.1	850.7	868.3	882.7
67.5°	767.4	813.1	855.9	895.7	937.2	977.4	1013.6	1045.9	1074.0	1097.9	1117.6
65°	933.4	994.6	1052.1	1105.5	1155.5	1213.8	1266.4	1313.3	1354.1	1389.0	1417.6
62.5°	1125.9	1205.8	1288.2	1364.9	1435.8	1505.8	1573.8	1634.4	1687.3	1732.3	1769.4
60°	1364.9	1461.4	1565.5	1663.7	1754.5	1837.7	1915.2	1984.2	2044.5	2096.0	2138.3
57.5°	1632.1	1754.5	1870.7	1981.6	2084.2	2178.2	2261.1	2333.7	2397.2	2451.3	2495.9
55°	1915.2	2052.3	2181.5	2298.4	2405.4	2503.5	2590.6	2660.9	2722.4	2775.0	2818.3
52.5°	2200.9	2343.3	2477.0	2599.2	2702.1	2796.6	2882.4	2952.9	3013.6	3065.5	3108.2
50°	2470.6	2617.9	2745.7	2865.5	2969.0	3061.6	3145.6	3217.4	3277.0	3328.0	3370.2
47.5°	2717.0	2862.2	2989.6	3106.1	3211.8	3302.1	3384.3	3457.0	3516.7	3567.7	3610.0
45°	2941.9	3082.2	3212.4	3325.4	3430.9	3521.8	3603.6	3677.1	3734.3	3782.4	3822.2
42.5°	3145.0	3284.1	3412.6	3526.8	3631.2	3722.2	3798.7	3867.5	3923.4	3968.3	4005.5
40°	3327.7	3469.7	3595.9	3711.4	3808.3	3897.7	3968.6	4032.5	4087.0	4129.8	4165.3
37.5°	3497.1	3637.9	3760.8	3871.3	3963.7	4046.7	4116.9	4177.6	4231.1	4270.8	4303.8
35°	3652.0	3785.8	3907.4	4008.6	4100.2	4178.5	4247.6	4303.5	4353.3	4391.1	4421.2
32.5°	3785.8	3918.5	4031.3	4130.9	4220.5	4293.5	4359.7	4411.0	4456.1	4492.5	4520.5
30°	3907.4	4031.3	4141.3	4240.0	4321.5	4392.6	4452.3	4502.4	4544.0	4578.7	4603.3
27.5°	4008.6	4130.9	4240.0	4331.0	4409.0	4477.5	4532.1	4580.2	4616.6	4648.6	4669.7
25°	4100.2	4220.5	4321.5	4409.0	4484.8	4547.3	4599.2	4642.9	4675.1	4702.5	4718.2
22.5°	4178.5	4293.5	4392.6	4477.5	4547.3	4605.6	4654.6	4691.6	4718.0	4734.6	4743.9
20°	4247.6	4359.7	4452.3	4532.1	4599.2	4654.6	4697.2	4724.5	4742.9	4747.5	4750.1
17.5°	4303.5	4411.0	4502.4	4580.2	4642.9	4691.6	4724.5	4743.8	4749.3	4748.3	4745.6
15°	4353.3	4456.1	4544.0	4616.6	4675.1	4718.0	4742.9	4749.3	4747.7	4742.1	4733.6
12.5°	4391.1	4492.5	4578.7	4648.6	4702.5	4734.6	4747.5	4748.3	4742.1	4731.5	4719.4
10°	4421.2	4520.5	4603.3	4669.7	4718.2	4743.9	4750.1	4745.6	4733.6	4719.4	4705.9
7.5°	4445.0	4542.7	4622.9	4686.6	4728.6	4746.8	4748.1	4739.6	4725.2	4709.0	4694.4
5°	4462.3	4558.8	4637.1	4699.0	4736.1	4748.9	4746.6	4734.8	4718.1	4701.2	4687.8
2.5°	4472.7	4568.5	4645.8	4706.5	4740.7	4750.2	4745.7	4731.9	4713.7	4696.2	4683.5
0°	4476.2	4571.8	4648.7	4709.0	4742.3	4750.6	4745.4	4730.9	4712.2	4694.5	4682.0
-2.5°	4472.7	4568.5	4645.8	4706.5	4740.7	4750.2	4745.7	4731.9	4713.7	4696.2	4683.5
-5°	4462.3	4558.8	4637.1	4699.0	4736.1	4748.9	4746.6	4734.8	4718.1	4701.2	4687.8
-7.5°	4445.0	4542.7	4622.9	4686.6	4728.6	4746.8	4748.1	4739.6	4725.2	4709.0	4694.4
-10°	4421.2	4520.5	4603.3	4669.7	4718.2	4743.9	4750.1	4745.6	4733.6	4719.4	4705.9
-12.5°	4391.1	4492.5	4578.7	4648.6	4702.5	4734.6	4747.5	4748.3	4742.1	4731.5	4719.4
-15°	4353.3	4456.1	4544.0	4616.6	4675.1	4718.0	4742.9	4749.3	4747.7	4742.1	4733.6
-17.5°	4303.5	4411.0	4502.4	4580.2	4642.9	4691.6	4724.5	4743.8	4749.3	4748.3	4745.6
-20°	4247.6	4359.7	4452.3	4532.1	4599.2	4654.6	4697.2	4724.5	4742.9	4747.5	4750.1



REPORT NUMBER: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4178.5	4293.5	4392.6	4477.5	4547.3	4605.6	4654.6	4691.6	4718.0	4734.6	4743.9
-25°	4100.2	4220.5	4321.5	4409.0	4484.8	4547.3	4599.2	4642.9	4675.1	4702.5	4718.2
-27.5°	4008.6	4130.9	4240.0	4331.0	4409.0	4477.5	4532.1	4580.2	4616.6	4648.6	4669.7
-30°	3907.4	4031.3	4141.3	4240.0	4321.5	4392.6	4452.3	4502.4	4544.0	4578.7	4603.3
-32.5°	3785.8	3918.5	4031.3	4130.9	4220.5	4293.5	4359.7	4411.0	4456.1	4492.5	4520.5
-35°	3652.0	3785.8	3907.4	4008.6	4100.2	4178.5	4247.6	4303.5	4353.3	4391.1	4421.2
-37.5°	3497.1	3637.9	3760.8	3871.3	3963.7	4046.7	4116.9	4177.6	4231.1	4270.8	4303.8
-40°	3327.7	3469.7	3595.9	3711.4	3808.3	3897.7	3968.6	4032.5	4087.0	4129.8	4165.3
-42.5°	3145.0	3284.1	3412.6	3526.8	3631.2	3722.2	3798.7	3867.5	3923.4	3968.3	4005.5
-45°	2941.9	3082.2	3212.4	3325.4	3430.9	3521.8	3603.6	3677.1	3734.3	3782.4	3822.2
-47.5°	2717.0	2862.2	2989.6	3106.1	3211.8	3302.1	3384.3	3457.0	3516.7	3567.7	3610.0
-50°	2470.6	2617.9	2745.7	2865.5	2969.0	3061.6	3145.6	3217.4	3277.0	3328.0	3370.2
-52.5°	2200.9	2343.3	2477.0	2599.2	2702.1	2796.6	2882.4	2952.9	3013.6	3065.5	3108.2
-55°	1915.2	2052.3	2181.5	2298.4	2405.4	2503.5	2590.6	2660.9	2722.4	2775.0	2818.3
-57.5°	1632.1	1754.5	1870.7	1981.6	2084.2	2178.2	2261.1	2333.7	2397.2	2451.3	2495.9
-60°	1364.9	1461.4	1565.5	1663.7	1754.5	1837.7	1915.2	1984.2	2044.5	2096.0	2138.3
-62.5°	1125.9	1205.8	1288.2	1364.9	1435.8	1505.8	1573.8	1634.4	1687.3	1732.3	1769.4
-65°	933.4	994.6	1052.1	1105.5	1155.5	1213.8	1266.4	1313.3	1354.1	1389.0	1417.6
-67.5°	767.4	813.1	855.9	895.7	937.2	977.4	1013.6	1045.9	1074.0	1097.9	1117.6
-70°	625.5	657.5	687.4	717.9	750.2	779.8	806.4	830.1	850.7	868.3	882.7
-72.5°	507.4	528.6	549.8	574.0	596.2	616.5	634.8	651.0	665.2	677.2	687.1
-75°	409.8	426.3	443.2	458.9	473.3	486.5	498.4	508.9	518.1	525.9	532.3
-77.5°	322.1	335.3	347.6	359.1	369.7	379.3	387.9	395.6	402.3	408.0	412.7
-80°	230.3	241.4	251.7	261.3	270.1	278.1	285.3	291.7	297.3	302.1	305.9
-82.5°	143.5	151.0	158.1	164.6	170.5	176.0	180.9	185.2	189.0	192.2	194.9
-85°	71.1	74.5	77.7	80.7	83.4	85.9	88.2	90.1	91.9	93.3	94.5
-87.5°	21.3	21.9	22.5	23.1	23.6	24.0	24.4	24.8	25.1	25.4	25.6
-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: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-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°	25.8	25.9	26.0	26.0	26.0	25.9	25.8	25.6	25.4	25.1	24.8
85°	95.5	96.2	96.6	96.7	96.6	96.2	95.5	94.5	93.3	91.9	90.1
82.5°	196.9	198.4	199.3	199.6	199.3	198.4	196.9	194.9	192.2	189.0	185.2
80°	309.0	311.2	312.5	312.9	312.5	311.2	309.0	305.9	302.1	297.3	291.7
77.5°	416.3	418.9	420.5	421.0	420.5	418.9	416.3	412.7	408.0	402.3	395.6
75°	537.3	540.8	543.0	543.7	543.0	540.8	537.3	532.3	525.9	518.1	508.9
72.5°	694.8	700.4	703.7	704.8	703.7	700.4	694.8	687.1	677.2	665.2	651.0
70°	894.0	902.0	906.9	908.5	906.9	902.0	894.0	882.7	868.3	850.7	830.1
67.5°	1133.0	1144.0	1150.6	1152.8	1150.6	1144.0	1133.0	1117.6	1097.9	1074.0	1045.9
65°	1439.9	1456.0	1465.6	1468.8	1465.6	1456.0	1439.9	1417.6	1389.0	1354.1	1313.3
62.5°	1798.4	1819.1	1831.6	1835.8	1831.6	1819.1	1798.4	1769.4	1732.3	1687.3	1634.4
60°	2171.4	2195.2	2209.4	2214.2	2209.4	2195.2	2171.4	2138.3	2096.0	2044.5	1984.2
57.5°	2530.8	2555.8	2570.9	2575.9	2570.9	2555.8	2530.8	2495.9	2451.3	2397.2	2333.7
55°	2852.2	2876.6	2891.2	2896.1	2891.2	2876.6	2852.2	2818.3	2775.0	2722.4	2660.9
52.5°	3141.7	3165.8	3180.3	3185.1	3180.3	3165.8	3141.7	3108.2	3065.5	3013.6	2952.9
50°	3403.2	3426.9	3441.2	3446.0	3441.2	3426.9	3403.2	3370.2	3328.0	3277.0	3217.4
47.5°	3643.1	3666.9	3681.3	3686.1	3681.3	3666.9	3643.1	3610.0	3567.7	3516.7	3457.0
45°	3853.5	3876.0	3889.6	3894.1	3889.6	3876.0	3853.5	3822.2	3782.4	3734.3	3677.1
42.5°	4034.8	4055.8	4068.5	4072.8	4068.5	4055.8	4034.8	4005.5	3968.3	3923.4	3867.5
40°	4193.3	4213.5	4225.7	4229.8	4225.7	4213.5	4193.3	4165.3	4129.8	4087.0	4032.5
37.5°	4329.9	4348.7	4360.1	4363.9	4360.1	4348.7	4329.9	4303.8	4270.8	4231.1	4177.6
35°	4445.0	4462.3	4472.7	4476.2	4472.7	4462.3	4445.0	4421.2	4391.1	4353.3	4303.5
32.5°	4542.7	4558.8	4568.5	4571.8	4568.5	4558.8	4542.7	4520.5	4492.5	4456.1	4411.0
30°	4622.9	4637.1	4645.8	4648.7	4645.8	4637.1	4622.9	4603.3	4578.7	4544.0	4502.4
27.5°	4686.6	4699.0	4706.5	4709.0	4706.5	4699.0	4686.6	4669.7	4648.6	4616.6	4580.2
25°	4728.6	4736.1	4740.7	4742.3	4740.7	4736.1	4728.6	4718.2	4702.5	4675.1	4642.9
22.5°	4746.8	4748.9	4750.2	4750.6	4750.2	4748.9	4746.8	4743.9	4734.6	4718.0	4691.6
20°	4748.1	4746.6	4745.7	4745.4	4745.7	4746.6	4748.1	4750.1	4747.5	4742.9	4724.5
17.5°	4739.6	4734.8	4731.9	4730.9	4731.9	4734.8	4739.6	4745.6	4748.3	4749.3	4743.8
15°	4725.2	4718.1	4713.7	4712.2	4713.7	4718.1	4725.2	4733.6	4742.1	4747.7	4749.3
12.5°	4709.0	4701.2	4696.2	4694.5	4696.2	4701.2	4709.0	4719.4	4731.5	4742.1	4748.3
10°	4694.4	4687.8	4683.5	4682.0	4683.5	4687.8	4694.4	4705.9	4719.4	4733.6	4745.6
7.5°	4685.0	4679.1	4675.9	4674.7	4675.9	4679.1	4685.0	4694.4	4709.0	4725.2	4739.6
5°	4679.1	4673.3	4668.4	4666.4	4668.4	4673.3	4679.1	4687.8	4701.2	4718.1	4734.8
2.5°	4675.9	4668.4	4661.0	4657.1	4661.0	4668.4	4675.9	4683.5	4696.2	4713.7	4731.9
0°	4674.7	4666.4	4657.1	4658.1	4657.1	4666.4	4674.7	4682.0	4694.5	4712.2	4730.9
-2.5°	4675.9	4668.4	4661.0	4657.1	4661.0	4668.4	4675.9	4683.5	4696.2	4713.7	4731.9
-5°	4679.1	4673.3	4668.4	4666.4	4668.4	4673.3	4679.1	4687.8	4701.2	4718.1	4734.8
-7.5°	4685.0	4679.1	4675.9	4674.7	4675.9	4679.1	4685.0	4694.4	4709.0	4725.2	4739.6
-10°	4694.4	4687.8	4683.5	4682.0	4683.5	4687.8	4694.4	4705.9	4719.4	4733.6	4745.6
-12.5°	4709.0	4701.2	4696.2	4694.5	4696.2	4701.2	4709.0	4719.4	4731.5	4742.1	4748.3
-15°	4725.2	4718.1	4713.7	4712.2	4713.7	4718.1	4725.2	4733.6	4742.1	4747.7	4749.3
-17.5°	4739.6	4734.8	4731.9	4730.9	4731.9	4734.8	4739.6	4745.6	4748.3	4749.3	4743.8
-20°	4748.1	4746.6	4745.7	4745.4	4745.7	4746.6	4748.1	4750.1	4747.5	4742.9	4724.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA2E-730-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°	4746.8	4748.9	4750.2	4750.6	4750.2	4748.9	4746.8	4743.9	4734.6	4718.0	4691.6
-25°	4728.6	4736.1	4740.7	4742.3	4740.7	4736.1	4728.6	4718.2	4702.5	4675.1	4642.9
-27.5°	4686.6	4699.0	4706.5	4709.0	4706.5	4699.0	4686.6	4669.7	4648.6	4616.6	4580.2
-30°	4622.9	4637.1	4645.8	4648.7	4645.8	4637.1	4622.9	4603.3	4578.7	4544.0	4502.4
-32.5°	4542.7	4558.8	4568.5	4571.8	4568.5	4558.8	4542.7	4520.5	4492.5	4456.1	4411.0
-35°	4445.0	4462.3	4472.7	4476.2	4472.7	4462.3	4445.0	4421.2	4391.1	4353.3	4303.5
-37.5°	4329.9	4348.7	4360.1	4363.9	4360.1	4348.7	4329.9	4303.8	4270.8	4231.1	4177.6
-40°	4193.3	4213.5	4225.7	4229.8	4225.7	4213.5	4193.3	4165.3	4129.8	4087.0	4032.5
-42.5°	4034.8	4055.8	4068.5	4072.8	4068.5	4055.8	4034.8	4005.5	3968.3	3923.4	3867.5
-45°	3853.5	3876.0	3889.6	3894.1	3889.6	3876.0	3853.5	3822.2	3782.4	3734.3	3677.1
-47.5°	3643.1	3666.9	3681.3	3686.1	3681.3	3666.9	3643.1	3610.0	3567.7	3516.7	3457.0
-50°	3403.2	3426.9	3441.2	3446.0	3441.2	3426.9	3403.2	3370.2	3328.0	3277.0	3217.4
-52.5°	3141.7	3165.8	3180.3	3185.1	3180.3	3165.8	3141.7	3108.2	3065.5	3013.6	2952.9
-55°	2852.2	2876.6	2891.2	2896.1	2891.2	2876.6	2852.2	2818.3	2775.0	2722.4	2660.9
-57.5°	2530.8	2555.8	2570.9	2575.9	2570.9	2555.8	2530.8	2495.9	2451.3	2397.2	2333.7
-60°	2171.4	2195.2	2209.4	2214.2	2209.4	2195.2	2171.4	2138.3	2096.0	2044.5	1984.2
-62.5°	1798.4	1819.1	1831.6	1835.8	1831.6	1819.1	1798.4	1769.4	1732.3	1687.3	1634.4
-65°	1439.9	1456.0	1465.6	1468.8	1465.6	1456.0	1439.9	1417.6	1389.0	1354.1	1313.3
-67.5°	1133.0	1144.0	1150.6	1152.8	1150.6	1144.0	1133.0	1117.6	1097.9	1074.0	1045.9
-70°	894.0	902.0	906.9	908.5	906.9	902.0	894.0	882.7	868.3	850.7	830.1
-72.5°	694.8	700.4	703.7	704.8	703.7	700.4	694.8	687.1	677.2	665.2	651.0
-75°	537.3	540.8	543.0	543.7	543.0	540.8	537.3	532.3	525.9	518.1	508.9
-77.5°	416.3	418.9	420.5	421.0	420.5	418.9	416.3	412.7	408.0	402.3	395.6
-80°	309.0	311.2	312.5	312.9	312.5	311.2	309.0	305.9	302.1	297.3	291.7
-82.5°	196.9	198.4	199.3	199.6	199.3	198.4	196.9	194.9	192.2	189.0	185.2
-85°	95.5	96.2	96.6	96.7	96.6	96.2	95.5	94.5	93.3	91.9	90.1
-87.5°	25.8	25.9	26.0	26.0	26.0	25.9	25.8	25.6	25.4	25.1	24.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-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°	24.4	24.0	23.6	23.1	22.5	21.9	21.3	20.6	19.9	19.2	18.4
85°	88.2	85.9	83.4	80.7	77.7	74.5	71.1	67.4	63.6	59.5	55.2
82.5°	180.9	176.0	170.5	164.6	158.1	151.0	143.5	135.5	127.1	118.2	108.9
80°	285.3	278.1	270.1	261.3	251.7	241.4	230.3	218.6	206.1	193.7	181.2
77.5°	387.9	379.3	369.7	359.1	347.6	335.3	322.1	307.8	292.2	275.8	258.7
75°	498.4	486.5	473.3	458.9	443.2	426.3	409.8	392.9	375.0	356.2	336.5
72.5°	634.8	616.5	596.2	574.0	549.8	528.6	507.4	484.9	461.1	436.2	411.3
70°	806.4	779.8	750.2	717.9	687.4	657.5	625.5	591.7	555.9	524.3	494.4
67.5°	1013.6	977.4	937.2	895.7	855.9	813.1	767.4	719.0	675.6	633.2	588.8
65°	1266.4	1213.8	1155.5	1105.5	1052.1	994.6	933.4	875.1	818.0	758.2	697.6
62.5°	1573.8	1505.8	1435.8	1364.9	1288.2	1205.8	1125.9	1054.0	978.4	900.6	831.6
60°	1915.2	1837.7	1754.5	1663.7	1565.5	1461.4	1364.9	1262.8	1155.5	1067.9	977.4
57.5°	2261.1	2178.2	2084.2	1981.6	1870.7	1754.5	1632.1	1502.7	1381.0	1258.6	1136.1
55°	2590.6	2503.5	2405.4	2298.4	2181.5	2052.3	1915.2	1772.4	1625.1	1471.3	1333.2
52.5°	2882.4	2796.6	2702.1	2599.2	2477.0	2343.3	2200.9	2044.5	1880.7	1713.7	1541.7
50°	3145.6	3061.6	2969.0	2865.5	2745.7	2617.9	2470.6	2309.8	2138.3	1955.2	1767.4
47.5°	3384.3	3302.1	3211.8	3106.1	2989.6	2862.2	2717.0	2563.0	2383.0	2195.2	1992.6
45°	3603.6	3521.8	3430.9	3325.4	3212.4	3082.2	2941.9	2783.9	2614.0	2419.9	2214.2
42.5°	3798.7	3722.2	3631.2	3526.8	3412.6	3284.1	3145.0	2988.3	2817.7	2630.7	2419.9
40°	3968.6	3897.7	3808.3	3711.4	3595.9	3469.7	3327.7	3176.6	3003.8	2817.7	2614.0
37.5°	4116.9	4046.7	3963.7	3871.3	3760.8	3637.9	3497.1	3342.3	3176.6	2988.3	2783.9
35°	4247.6	4178.5	4100.2	4008.6	3907.4	3785.8	3652.0	3497.1	3327.7	3145.0	2941.9
32.5°	4359.7	4293.5	4220.5	4130.9	4031.3	3918.5	3785.8	3637.9	3469.7	3284.1	3082.2
30°	4452.3	4392.6	4321.5	4240.0	4141.3	4031.3	3907.4	3760.8	3595.9	3412.6	3212.4
27.5°	4532.1	4477.5	4409.0	4331.0	4240.0	4130.9	4008.6	3871.3	3711.4	3526.8	3325.4
25°	4599.2	4547.3	4484.8	4409.0	4321.5	4220.5	4100.2	3963.7	3808.3	3631.2	3430.9
22.5°	4654.6	4605.6	4547.3	4477.5	4392.6	4293.5	4178.5	4046.7	3897.7	3722.2	3521.8
20°	4697.2	4654.6	4599.2	4532.1	4452.3	4359.7	4247.6	4116.9	3968.6	3798.7	3603.6
17.5°	4724.5	4691.6	4642.9	4580.2	4502.4	4411.0	4303.5	4177.6	4032.5	3867.5	3677.1
15°	4742.9	4718.0	4675.1	4616.6	4544.0	4456.1	4353.3	4231.1	4087.0	3923.4	3734.3
12.5°	4747.5	4734.6	4702.5	4648.6	4578.7	4492.5	4391.1	4270.8	4129.8	3968.3	3782.4
10°	4750.1	4743.9	4718.2	4669.7	4603.3	4520.5	4421.2	4303.8	4165.3	4005.5	3822.2
7.5°	4748.1	4746.8	4728.6	4686.6	4622.9	4542.7	4445.0	4329.9	4193.3	4034.8	3853.5
5°	4746.6	4748.9	4736.1	4699.0	4637.1	4558.8	4462.3	4348.7	4213.5	4055.8	3876.0
2.5°	4745.7	4750.2	4740.7	4706.5	4645.8	4568.5	4472.7	4360.1	4225.7	4068.5	3889.6
0°	4745.4	4750.6	4742.3	4709.0	4648.7	4571.8	4476.2	4363.9	4229.8	4072.8	3894.1
-2.5°	4745.7	4750.2	4740.7	4706.5	4645.8	4568.5	4472.7	4360.1	4225.7	4068.5	3889.6
-5°	4746.6	4748.9	4736.1	4699.0	4637.1	4558.8	4462.3	4348.7	4213.5	4055.8	3876.0
-7.5°	4748.1	4746.8	4728.6	4686.6	4622.9	4542.7	4445.0	4329.9	4193.3	4034.8	3853.5
-10°	4750.1	4743.9	4718.2	4669.7	4603.3	4520.5	4421.2	4303.8	4165.3	4005.5	3822.2
-12.5°	4747.5	4734.6	4702.5	4648.6	4578.7	4492.5	4391.1	4270.8	4129.8	3968.3	3782.4
-15°	4742.9	4718.0	4675.1	4616.6	4544.0	4456.1	4353.3	4231.1	4087.0	3923.4	3734.3
-17.5°	4724.5	4691.6	4642.9	4580.2	4502.4	4411.0	4303.5	4177.6	4032.5	3867.5	3677.1
-20°	4697.2	4654.6	4599.2	4532.1	4452.3	4359.7	4247.6	4116.9	3968.6	3798.7	3603.6



REPORT NUMBER: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4654.6	4605.6	4547.3	4477.5	4392.6	4293.5	4178.5	4046.7	3897.7	3722.2	3521.8
-25°	4599.2	4547.3	4484.8	4409.0	4321.5	4220.5	4100.2	3963.7	3808.3	3631.2	3430.9
-27.5°	4532.1	4477.5	4409.0	4331.0	4240.0	4130.9	4008.6	3871.3	3711.4	3526.8	3325.4
-30°	4452.3	4392.6	4321.5	4240.0	4141.3	4031.3	3907.4	3760.8	3595.9	3412.6	3212.4
-32.5°	4359.7	4293.5	4220.5	4130.9	4031.3	3918.5	3785.8	3637.9	3469.7	3284.1	3082.2
-35°	4247.6	4178.5	4100.2	4008.6	3907.4	3785.8	3652.0	3497.1	3327.7	3145.0	2941.9
-37.5°	4116.9	4046.7	3963.7	3871.3	3760.8	3637.9	3497.1	3342.3	3176.6	2988.3	2783.9
-40°	3968.6	3897.7	3808.3	3711.4	3595.9	3469.7	3327.7	3176.6	3003.8	2817.7	2614.0
-42.5°	3798.7	3722.2	3631.2	3526.8	3412.6	3284.1	3145.0	2988.3	2817.7	2630.7	2419.9
-45°	3603.6	3521.8	3430.9	3325.4	3212.4	3082.2	2941.9	2783.9	2614.0	2419.9	2214.2
-47.5°	3384.3	3302.1	3211.8	3106.1	2989.6	2862.2	2717.0	2563.0	2383.0	2195.2	1992.6
-50°	3145.6	3061.6	2969.0	2865.5	2745.7	2617.9	2470.6	2309.8	2138.3	1955.2	1767.4
-52.5°	2882.4	2796.6	2702.1	2599.2	2477.0	2343.3	2200.9	2044.5	1880.7	1713.7	1541.7
-55°	2590.6	2503.5	2405.4	2298.4	2181.5	2052.3	1915.2	1772.4	1625.1	1471.3	1333.2
-57.5°	2261.1	2178.2	2084.2	1981.6	1870.7	1754.5	1632.1	1502.7	1381.0	1258.6	1136.1
-60°	1915.2	1837.7	1754.5	1663.7	1565.5	1461.4	1364.9	1262.8	1155.5	1067.9	977.4
-62.5°	1573.8	1505.8	1435.8	1364.9	1288.2	1205.8	1125.9	1054.0	978.4	900.6	831.6
-65°	1266.4	1213.8	1155.5	1105.5	1052.1	994.6	933.4	875.1	818.0	758.2	697.6
-67.5°	1013.6	977.4	937.2	895.7	855.9	813.1	767.4	719.0	675.6	633.2	588.8
-70°	806.4	779.8	750.2	717.9	687.4	657.5	625.5	591.7	555.9	524.3	494.4
-72.5°	634.8	616.5	596.2	574.0	549.8	528.6	507.4	484.9	461.1	436.2	411.3
-75°	498.4	486.5	473.3	458.9	443.2	426.3	409.8	392.9	375.0	356.2	336.5
-77.5°	387.9	379.3	369.7	359.1	347.6	335.3	322.1	307.8	292.2	275.8	258.7
-80°	285.3	278.1	270.1	261.3	251.7	241.4	230.3	218.6	206.1	193.7	181.2
-82.5°	180.9	176.0	170.5	164.6	158.1	151.0	143.5	135.5	127.1	118.2	108.9
-85°	88.2	85.9	83.4	80.7	77.7	74.5	71.1	67.4	63.6	59.5	55.2
-87.5°	24.4	24.0	23.6	23.1	22.5	21.9	21.3	20.6	19.9	19.2	18.4
-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: P645396 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA2E-730-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°	17.6	16.7	15.8	14.9	14.0	13.0	12.0	11.0	9.9	8.9	7.8
85°	50.8	46.1	41.3	36.3	31.2	26.0	24.0	22.0	19.9	17.8	15.6
82.5°	99.1	91.4	84.2	76.7	69.0	61.1	53.0	44.7	36.3	27.7	23.4
80°	168.2	154.7	140.7	126.2	111.3	96.2	85.4	74.3	63.1	51.6	39.9
77.5°	240.8	222.1	202.8	184.4	165.8	146.6	127.0	106.9	89.7	75.4	60.8
75°	315.9	293.7	270.5	246.6	222.0	196.9	173.4	149.4	124.9	99.9	81.5
72.5°	387.3	362.4	336.6	309.8	281.1	251.6	221.4	191.4	162.9	133.9	104.4
70°	463.2	430.8	400.1	369.7	338.4	305.9	271.5	236.3	200.5	167.4	133.9
67.5°	542.9	506.4	468.7	429.8	393.6	357.5	320.6	281.5	241.3	200.5	162.9
65°	646.1	592.8	539.2	496.0	451.7	408.0	367.1	325.4	281.5	236.3	191.4
62.5°	760.0	689.7	629.1	566.8	512.5	462.6	412.8	367.1	320.6	271.5	221.4
60°	887.5	806.4	722.8	651.0	581.3	518.1	462.6	408.0	357.5	305.9	251.6
57.5°	1034.0	928.5	834.5	741.4	658.4	581.3	512.5	451.7	393.6	338.4	281.1
55°	1190.6	1068.2	951.2	843.9	741.4	651.0	566.8	496.0	429.8	369.7	309.8
52.5°	1378.4	1220.5	1079.7	951.2	834.5	722.8	629.1	539.2	468.7	400.1	336.6
50°	1577.2	1393.5	1220.5	1068.2	928.5	806.4	689.7	592.8	506.4	430.8	362.4
47.5°	1785.4	1577.2	1378.4	1190.6	1034.0	887.5	760.0	646.1	542.9	463.2	387.3
45°	1992.6	1767.4	1541.7	1333.2	1136.1	977.4	831.6	697.6	588.8	494.4	411.3
42.5°	2195.2	1955.2	1713.7	1471.3	1258.6	1067.9	900.6	758.2	633.2	524.3	436.2
40°	2383.0	2138.3	1880.7	1625.1	1381.0	1155.5	978.4	818.0	675.6	555.9	461.1
37.5°	2563.0	2309.8	2044.5	1772.4	1502.7	1262.8	1054.0	875.1	719.0	591.7	484.9
35°	2717.0	2470.6	2200.9	1915.2	1632.1	1364.9	1125.9	933.4	767.4	625.5	507.4
32.5°	2862.2	2617.9	2343.3	2052.3	1754.5	1461.4	1205.8	994.6	813.1	657.5	528.6
30°	2989.6	2745.7	2477.0	2181.5	1870.7	1565.5	1288.2	1052.1	855.9	687.4	549.8
27.5°	3106.1	2865.5	2599.2	2298.4	1981.6	1663.7	1364.9	1105.5	895.7	717.9	574.0
25°	3211.8	2969.0	2702.1	2405.4	2084.2	1754.5	1435.8	1155.5	937.2	750.2	596.2
22.5°	3302.1	3061.6	2796.6	2503.5	2178.2	1837.7	1505.8	1213.8	977.4	779.8	616.5
20°	3384.3	3145.6	2882.4	2590.6	2261.1	1915.2	1573.8	1266.4	1013.6	806.4	634.8
17.5°	3457.0	3217.4	2952.9	2660.9	2333.7	1984.2	1634.4	1313.3	1045.9	830.1	651.0
15°	3516.7	3277.0	3013.6	2722.4	2397.2	2044.5	1687.3	1354.1	1074.0	850.7	665.2
12.5°	3567.7	3328.0	3065.5	2775.0	2451.3	2096.0	1732.3	1389.0	1097.9	868.3	677.2
10°	3610.0	3370.2	3108.2	2818.3	2495.9	2138.3	1769.4	1417.6	1117.6	882.7	687.1
7.5°	3643.1	3403.2	3141.7	2852.2	2530.8	2171.4	1798.4	1439.9	1133.0	894.0	694.8
5°	3666.9	3426.9	3165.8	2876.6	2555.8	2195.2	1819.1	1456.0	1144.0	902.0	700.4
2.5°	3681.3	3441.2	3180.3	2891.2	2570.9	2209.4	1831.6	1465.6	1150.6	906.9	703.7
0°	3686.1	3446.0	3185.1	2896.1	2575.9	2214.2	1835.8	1468.8	1152.8	908.5	704.8
-2.5°	3681.3	3441.2	3180.3	2891.2	2570.9	2209.4	1831.6	1465.6	1150.6	906.9	703.7
-5°	3666.9	3426.9	3165.8	2876.6	2555.8	2195.2	1819.1	1456.0	1144.0	902.0	700.4
-7.5°	3643.1	3403.2	3141.7	2852.2	2530.8	2171.4	1798.4	1439.9	1133.0	894.0	694.8
-10°	3610.0	3370.2	3108.2	2818.3	2495.9	2138.3	1769.4	1417.6	1117.6	882.7	687.1
-12.5°	3567.7	3328.0	3065.5	2775.0	2451.3	2096.0	1732.3	1389.0	1097.9	868.3	677.2
-15°	3516.7	3277.0	3013.6	2722.4	2397.2	2044.5	1687.3	1354.1	1074.0	850.7	665.2
-17.5°	3457.0	3217.4	2952.9	2660.9	2333.7	1984.2	1634.4	1313.3	1045.9	830.1	651.0
-20°	3384.3	3145.6	2882.4	2590.6	2261.1	1915.2	1573.8	1266.4	1013.6	806.4	634.8



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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°	3302.1	3061.6	2796.6	2503.5	2178.2	1837.7	1505.8	1213.8	977.4	779.8	616.5
-25°	3211.8	2969.0	2702.1	2405.4	2084.2	1754.5	1435.8	1155.5	937.2	750.2	596.2
-27.5°	3106.1	2865.5	2599.2	2298.4	1981.6	1663.7	1364.9	1105.5	895.7	717.9	574.0
-30°	2989.6	2745.7	2477.0	2181.5	1870.7	1565.5	1288.2	1052.1	855.9	687.4	549.8
-32.5°	2862.2	2617.9	2343.3	2052.3	1754.5	1461.4	1205.8	994.6	813.1	657.5	528.6
-35°	2717.0	2470.6	2200.9	1915.2	1632.1	1364.9	1125.9	933.4	767.4	625.5	507.4
-37.5°	2563.0	2309.8	2044.5	1772.4	1502.7	1262.8	1054.0	875.1	719.0	591.7	484.9
-40°	2383.0	2138.3	1880.7	1625.1	1381.0	1155.5	978.4	818.0	675.6	555.9	461.1
-42.5°	2195.2	1955.2	1713.7	1471.3	1258.6	1067.9	900.6	758.2	633.2	524.3	436.2
-45°	1992.6	1767.4	1541.7	1333.2	1136.1	977.4	831.6	697.6	588.8	494.4	411.3
-47.5°	1785.4	1577.2	1378.4	1190.6	1034.0	887.5	760.0	646.1	542.9	463.2	387.3
-50°	1577.2	1393.5	1220.5	1068.2	928.5	806.4	689.7	592.8	506.4	430.8	362.4
-52.5°	1378.4	1220.5	1079.7	951.2	834.5	722.8	629.1	539.2	468.7	400.1	336.6
-55°	1190.6	1068.2	951.2	843.9	741.4	651.0	566.8	496.0	429.8	369.7	309.8
-57.5°	1034.0	928.5	834.5	741.4	658.4	581.3	512.5	451.7	393.6	338.4	281.1
-60°	887.5	806.4	722.8	651.0	581.3	518.1	462.6	408.0	357.5	305.9	251.6
-62.5°	760.0	689.7	629.1	566.8	512.5	462.6	412.8	367.1	320.6	271.5	221.4
-65°	646.1	592.8	539.2	496.0	451.7	408.0	367.1	325.4	281.5	236.3	191.4
-67.5°	542.9	506.4	468.7	429.8	393.6	357.5	320.6	281.5	241.3	200.5	162.9
-70°	463.2	430.8	400.1	369.7	338.4	305.9	271.5	236.3	200.5	167.4	133.9
-72.5°	387.3	362.4	336.6	309.8	281.1	251.6	221.4	191.4	162.9	133.9	104.4
-75°	315.9	293.7	270.5	246.6	222.0	196.9	173.4	149.4	124.9	99.9	81.5
-77.5°	240.8	222.1	202.8	184.4	165.8	146.6	127.0	106.9	89.7	75.4	60.8
-80°	168.2	154.7	140.7	126.2	111.3	96.2	85.4	74.3	63.1	51.6	39.9
-82.5°	99.1	91.4	84.2	76.7	69.0	61.1	53.0	44.7	36.3	27.7	23.4
-85°	50.8	46.1	41.3	36.3	31.2	26.0	24.0	22.0	19.9	17.8	15.6
-87.5°	17.6	16.7	15.8	14.9	14.0	13.0	12.0	11.0	9.9	8.9	7.8
-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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REPORT NUMBER: P645396 (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°	6.7	5.6	4.5	3.4	2.3	1.1	0.0
85°	13.4	11.2	9.0	6.8	4.5	2.3	0.0
82.5°	20.1	16.8	13.5	10.2	6.8	3.4	0.0
80°	28.1	22.4	18.0	13.5	9.0	4.5	0.0
77.5°	46.1	31.2	22.4	16.8	11.2	5.6	0.0
75°	63.9	46.1	28.1	20.1	13.4	6.7	0.0
72.5°	81.5	60.8	39.9	23.4	15.6	7.8	0.0
70°	99.9	75.4	51.6	27.7	17.8	8.9	0.0
67.5°	124.9	89.7	63.1	36.3	19.9	9.9	0.0
65°	149.4	106.9	74.3	44.7	22.0	11.0	0.0
62.5°	173.4	127.0	85.4	53.0	24.0	12.0	0.0
60°	196.9	146.6	96.2	61.1	26.0	13.0	0.0
57.5°	222.0	165.8	111.3	69.0	31.2	14.0	0.0
55°	246.6	184.4	126.2	76.7	36.3	14.9	0.0
52.5°	270.5	202.8	140.7	84.2	41.3	15.8	0.0
50°	293.7	222.1	154.7	91.4	46.1	16.7	0.0
47.5°	315.9	240.8	168.2	99.1	50.8	17.6	0.0
45°	336.5	258.7	181.2	108.9	55.2	18.4	0.0
42.5°	356.2	275.8	193.7	118.2	59.5	19.2	0.0
40°	375.0	292.2	206.1	127.1	63.6	19.9	0.0
37.5°	392.9	307.8	218.6	135.5	67.4	20.6	0.0
35°	409.8	322.1	230.3	143.5	71.1	21.3	0.0
32.5°	426.3	335.3	241.4	151.0	74.5	21.9	0.0
30°	443.2	347.6	251.7	158.1	77.7	22.5	0.0
27.5°	458.9	359.1	261.3	164.6	80.7	23.1	0.0
25°	473.3	369.7	270.1	170.5	83.4	23.6	0.0
22.5°	486.5	379.3	278.1	176.0	85.9	24.0	0.0
20°	498.4	387.9	285.3	180.9	88.2	24.4	0.0
17.5°	508.9	395.6	291.7	185.2	90.1	24.8	0.0
15°	518.1	402.3	297.3	189.0	91.9	25.1	0.0
12.5°	525.9	408.0	302.1	192.2	93.3	25.4	0.0
10°	532.3	412.7	305.9	194.9	94.5	25.6	0.0
7.5°	537.3	416.3	309.0	196.9	95.5	25.8	0.0
5°	540.8	418.9	311.2	198.4	96.2	25.9	0.0
2.5°	543.0	420.5	312.5	199.3	96.6	26.0	0.0
0°	543.7	421.0	312.9	199.6	96.7	26.0	0.0
-2.5°	543.0	420.5	312.5	199.3	96.6	26.0	0.0
-5°	540.8	418.9	311.2	198.4	96.2	25.9	0.0
-7.5°	537.3	416.3	309.0	196.9	95.5	25.8	0.0
-10°	532.3	412.7	305.9	194.9	94.5	25.6	0.0
-12.5°	525.9	408.0	302.1	192.2	93.3	25.4	0.0
-15°	518.1	402.3	297.3	189.0	91.9	25.1	0.0
-17.5°	508.9	395.6	291.7	185.2	90.1	24.8	0.0
-20°	498.4	387.9	285.3	180.9	88.2	24.4	0.0

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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	486.5	379.3	278.1	176.0	85.9	24.0	0.0
-25°	473.3	369.7	270.1	170.5	83.4	23.6	0.0
-27.5°	458.9	359.1	261.3	164.6	80.7	23.1	0.0
-30°	443.2	347.6	251.7	158.1	77.7	22.5	0.0
-32.5°	426.3	335.3	241.4	151.0	74.5	21.9	0.0
-35°	409.8	322.1	230.3	143.5	71.1	21.3	0.0
-37.5°	392.9	307.8	218.6	135.5	67.4	20.6	0.0
-40°	375.0	292.2	206.1	127.1	63.6	19.9	0.0
-42.5°	356.2	275.8	193.7	118.2	59.5	19.2	0.0
-45°	336.5	258.7	181.2	108.9	55.2	18.4	0.0
-47.5°	315.9	240.8	168.2	99.1	50.8	17.6	0.0
-50°	293.7	222.1	154.7	91.4	46.1	16.7	0.0
-52.5°	270.5	202.8	140.7	84.2	41.3	15.8	0.0
-55°	246.6	184.4	126.2	76.7	36.3	14.9	0.0
-57.5°	222.0	165.8	111.3	69.0	31.2	14.0	0.0
-60°	196.9	146.6	96.2	61.1	26.0	13.0	0.0
-62.5°	173.4	127.0	85.4	53.0	24.0	12.0	0.0
-65°	149.4	106.9	74.3	44.7	22.0	11.0	0.0
-67.5°	124.9	89.7	63.1	36.3	19.9	9.9	0.0
-70°	99.9	75.4	51.6	27.7	17.8	8.9	0.0
-72.5°	81.5	60.8	39.9	23.4	15.6	7.8	0.0
-75°	63.9	46.1	28.1	20.1	13.4	6.7	0.0
-77.5°	46.1	31.2	22.4	16.8	11.2	5.6	0.0
-80°	28.1	22.4	18.0	13.5	9.0	4.5	0.0
-82.5°	20.1	16.8	13.5	10.2	6.8	3.4	0.0
-85°	13.4	11.2	9.0	6.8	4.5	2.3	0.0
-87.5°	6.7	5.6	4.5	3.4	2.3	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)