

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: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-730-U-LAM-XX

Issue Date: 2/28/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P645492 (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-SA4E-730-U-LAM-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

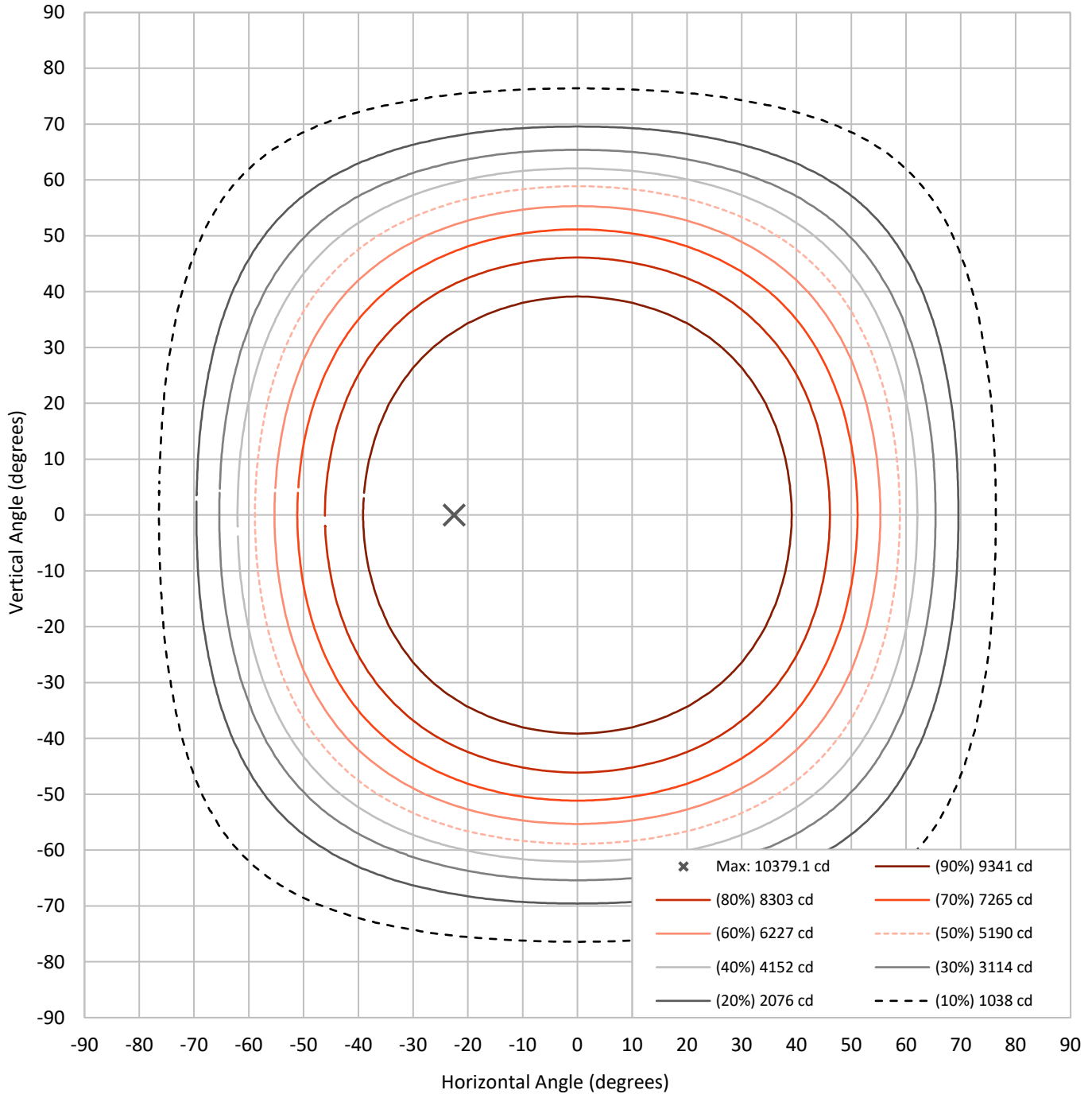
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	31750.4 lumens	Max Intensity:	10379.1 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	124.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	26423.3 lumens	Field Lumens:	31126 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	255.9		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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### Iso-Candela Plot





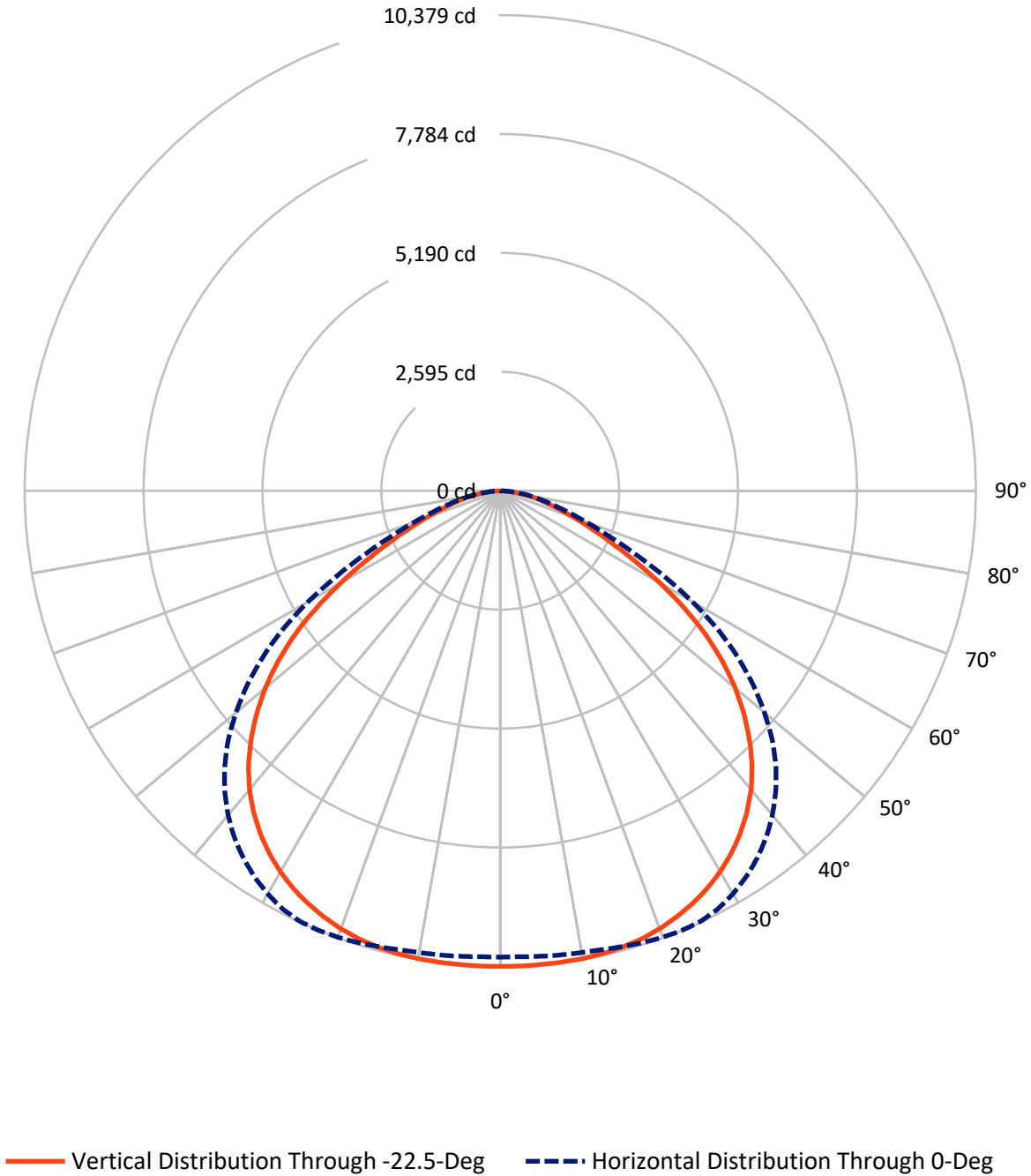
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### Lumen Table

90																		
80	1.6	16.4	46.5	77.4	90.6	77.4	46.5	16.4	1.6									
70																		
60	7.8	9.2	19.3	33.7	52.2	72.0	89.0	98.5	98.5	89.0	72.0	52.2	33.7	19.3	9.2			7.8
50																		
40	14.8	14.4	32.9	63.8	104.3	143.6	172.9	188.4	188.4	172.9	143.6	104.3	63.8	32.9	14.4			14.8
30																		
20	20.3	20.5	52.1	103.7	159.0	205.3	238.0	254.8	254.8	238.0	205.3	159.0	103.7	52.1	20.5			20.3
10																		
0	22.4	27.5	73.7	137.6	197.7	245.8	278.1	294.2	294.2	278.1	245.8	197.7	137.6	73.7	27.5			22.4
-10																		
-20	20.3	34.4	91.7	160.6	222.3	269.2	299.0	312.3	312.3	299.0	269.2	222.3	160.6	91.7	34.4			20.3
-30																		
-40	14.8	39.9	103.5	174.7	236.1	280.6	304.3	312.5	312.5	304.3	280.6	236.1	174.7	103.5	39.9			14.8
-50																		
-60	7.8	42.9	109.4	181.4	242.2	284.2	303.0	309.6	309.6	303.0	284.2	242.2	181.4	109.4	42.9			7.8
-70																		
-80	1.6	42.9	109.4	181.4	242.2	284.2	303.0	309.6	309.6	303.0	284.2	242.2	181.4	109.4	42.9			1.6
-90																		

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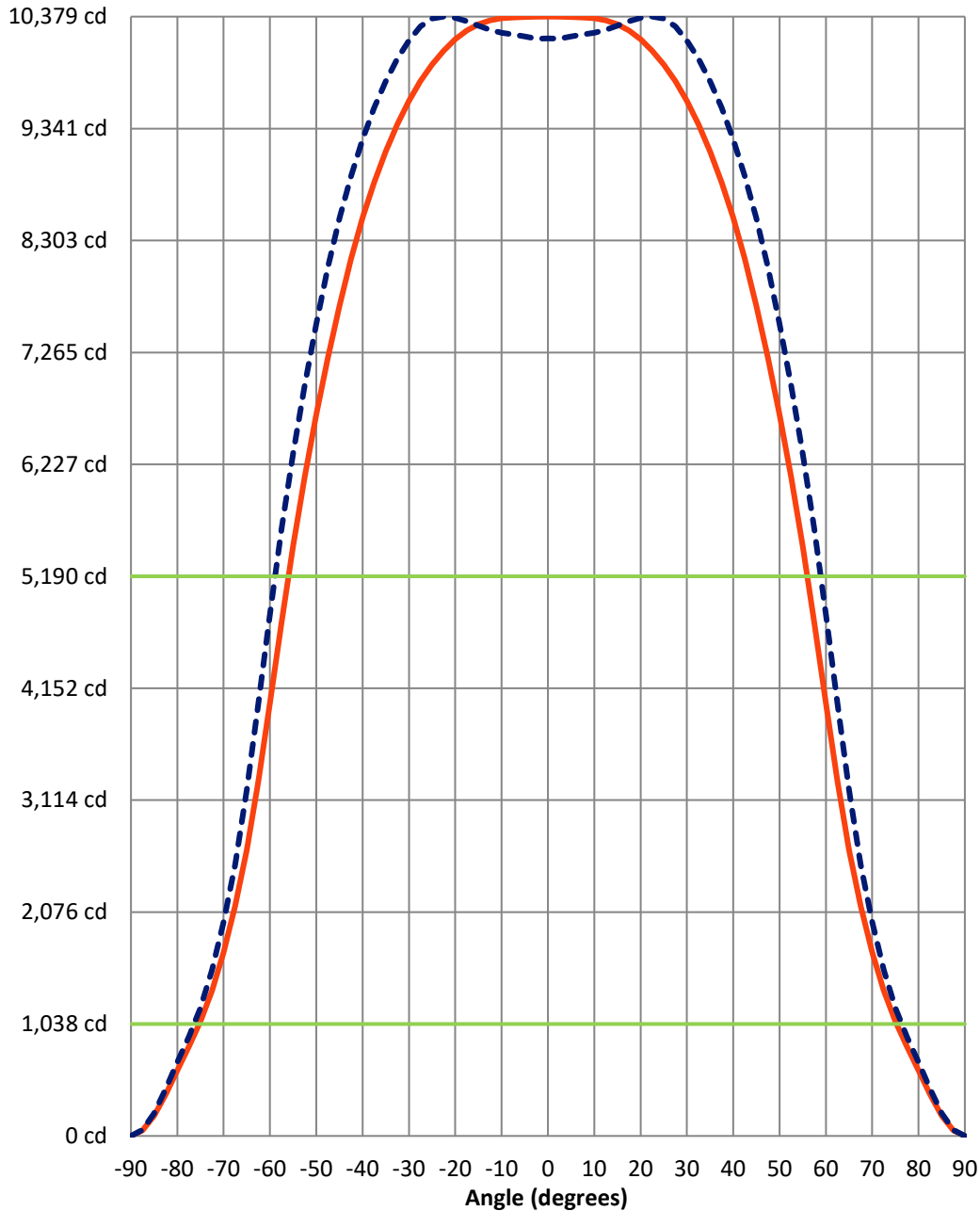
### Luminous Intensity Polar Plot





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### Luminous Intensity Plot



**Beam:**  
 H Angle: 117.8°  
 V Angle: 112°  
 Lumens: 26423.3  
 Efficiency: 83.2%

**Field:**  
 H Angle: 152.8°  
 V Angle: 150.5°  
 Lumens: 31126  
 Efficiency: 98.0%

**Spill:**  
 Lumens: 624.4  
 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	2.5	4.9	7.4	9.9	12.3	14.7	17.1	19.4	21.7	24.0
85°	0.0	4.9	9.9	14.8	19.7	24.6	29.4	34.1	38.8	43.4	48.0
82.5°	0.0	7.4	14.8	22.2	29.5	36.8	44.0	51.1	60.4	79.2	97.7
80°	0.0	9.9	19.7	29.5	39.3	48.9	61.5	87.3	112.7	137.7	162.3
77.5°	0.0	12.3	24.6	36.8	48.9	68.2	100.7	132.9	164.6	195.8	233.5
75°	0.0	14.7	29.4	44.0	61.5	100.7	139.6	178.1	218.3	272.8	326.3
72.5°	0.0	17.1	34.1	51.1	87.3	132.9	178.1	228.1	292.4	355.9	418.2
70°	0.0	19.4	38.8	60.4	112.7	164.6	218.3	292.4	365.7	438.2	516.4
67.5°	0.0	21.7	43.4	79.2	137.7	195.8	272.8	355.9	438.2	527.3	615.0
65°	0.0	24.0	48.0	97.7	162.3	233.5	326.3	418.2	516.4	615.0	710.9
62.5°	0.0	26.2	52.4	115.8	186.4	277.4	378.9	483.8	593.2	700.4	802.0
60°	0.0	28.4	56.7	133.5	210.0	320.3	430.3	549.7	668.4	781.0	891.4
57.5°	0.0	30.5	68.2	150.8	243.0	362.2	485.0	614.1	739.3	859.9	986.8
55°	0.0	32.6	79.4	167.6	275.6	402.9	538.8	676.9	807.7	939.0	1083.7
52.5°	0.0	34.6	90.2	183.9	307.3	443.2	591.1	735.4	874.2	1024.0	1178.0
50°	0.0	36.5	100.7	199.6	337.9	485.3	641.7	791.8	941.2	1106.3	1295.2
47.5°	0.0	38.4	110.9	216.5	367.5	526.0	690.2	846.2	1012.0	1186.0	1411.6
45°	0.0	40.2	120.6	237.8	395.9	565.1	735.1	898.7	1080.1	1286.3	1524.0
42.5°	0.0	41.9	129.9	258.2	423.1	602.6	778.1	952.9	1145.5	1383.3	1656.4
40°	0.0	43.5	138.8	277.6	450.4	638.4	819.2	1007.5	1214.4	1476.0	1787.2
37.5°	0.0	45.1	147.3	296.1	477.5	672.5	858.3	1059.4	1292.6	1570.8	1912.0
35°	0.0	46.5	155.2	313.6	503.2	703.7	895.3	1108.5	1366.6	1676.7	2039.3
32.5°	0.0	47.9	162.7	330.0	527.3	732.5	931.4	1154.7	1436.4	1776.5	2173.1
30°	0.0	49.2	169.7	345.3	549.9	759.5	968.3	1201.2	1501.7	1870.1	2298.6
27.5°	0.0	50.4	176.2	359.5	570.8	784.6	1002.6	1253.9	1568.4	1957.0	2415.4
25°	0.0	51.5	182.2	372.6	590.0	807.6	1034.1	1302.6	1639.1	2047.7	2524.5
22.5°	0.0	52.5	187.6	384.5	607.6	828.6	1062.9	1346.9	1703.7	2135.5	2651.9
20°	0.0	53.4	192.5	395.2	623.3	847.5	1088.8	1386.9	1761.9	2214.7	2767.0
17.5°	0.0	54.2	196.9	404.7	637.3	864.3	1111.8	1422.3	1813.6	2285.1	2869.3
15°	0.0	54.9	200.7	413.0	649.5	878.9	1131.8	1453.3	1858.7	2346.6	2958.6
12.5°	0.0	55.5	203.9	420.0	659.9	891.4	1148.8	1479.6	1897.1	2398.8	3034.6
10°	0.0	55.9	206.5	425.8	668.4	901.6	1162.8	1501.2	1928.6	2441.8	3097.2
7.5°	0.0	56.3	208.6	430.3	675.0	909.5	1173.7	1518.0	1953.2	2475.4	3146.0
5°	0.0	56.6	210.0	433.5	679.8	915.2	1181.5	1530.1	1970.9	2499.4	3181.0
2.5°	0.0	56.7	210.9	435.5	682.6	918.7	1186.2	1537.4	1981.5	2513.9	3202.1
0°	0.0	56.8	211.2	436.1	683.6	919.8	1187.8	1539.8	1985.0	2518.7	3209.1
-2.5°	0.0	56.7	210.9	435.5	682.6	918.7	1186.2	1537.4	1981.5	2513.9	3202.1
-5°	0.0	56.6	210.0	433.5	679.8	915.2	1181.5	1530.1	1970.9	2499.4	3181.0
-7.5°	0.0	56.3	208.6	430.3	675.0	909.5	1173.7	1518.0	1953.2	2475.4	3146.0
-10°	0.0	55.9	206.5	425.8	668.4	901.6	1162.8	1501.2	1928.6	2441.8	3097.2
-12.5°	0.0	55.5	203.9	420.0	659.9	891.4	1148.8	1479.6	1897.1	2398.8	3034.6
-15°	0.0	54.9	200.7	413.0	649.5	878.9	1131.8	1453.3	1858.7	2346.6	2958.6
-17.5°	0.0	54.2	196.9	404.7	637.3	864.3	1111.8	1422.3	1813.6	2285.1	2869.3
-20°	0.0	53.4	192.5	395.2	623.3	847.5	1088.8	1386.9	1761.9	2214.7	2767.0

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4E-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	52.5	187.6	384.5	607.6	828.6	1062.9	1346.9	1703.7	2135.5	2651.9
-25°	0.0	51.5	182.2	372.6	590.0	807.6	1034.1	1302.6	1639.1	2047.7	2524.5
-27.5°	0.0	50.4	176.2	359.5	570.8	784.6	1002.6	1253.9	1568.4	1957.0	2415.4
-30°	0.0	49.2	169.7	345.3	549.9	759.5	968.3	1201.2	1501.7	1870.1	2298.6
-32.5°	0.0	47.9	162.7	330.0	527.3	732.5	931.4	1154.7	1436.4	1776.5	2173.1
-35°	0.0	46.5	155.2	313.6	503.2	703.7	895.3	1108.5	1366.6	1676.7	2039.3
-37.5°	0.0	45.1	147.3	296.1	477.5	672.5	858.3	1059.4	1292.6	1570.8	1912.0
-40°	0.0	43.5	138.8	277.6	450.4	638.4	819.2	1007.5	1214.4	1476.0	1787.2
-42.5°	0.0	41.9	129.9	258.2	423.1	602.6	778.1	952.9	1145.5	1383.3	1656.4
-45°	0.0	40.2	120.6	237.8	395.9	565.1	735.1	898.7	1080.1	1286.3	1524.0
-47.5°	0.0	38.4	110.9	216.5	367.5	526.0	690.2	846.2	1012.0	1186.0	1411.6
-50°	0.0	36.5	100.7	199.6	337.9	485.3	641.7	791.8	941.2	1106.3	1295.2
-52.5°	0.0	34.6	90.2	183.9	307.3	443.2	591.1	735.4	874.2	1024.0	1178.0
-55°	0.0	32.6	79.4	167.6	275.6	402.9	538.8	676.9	807.7	939.0	1083.7
-57.5°	0.0	30.5	68.2	150.8	243.0	362.2	485.0	614.1	739.3	859.9	986.8
-60°	0.0	28.4	56.7	133.5	210.0	320.3	430.3	549.7	668.4	781.0	891.4
-62.5°	0.0	26.2	52.4	115.8	186.4	277.4	378.9	483.8	593.2	700.4	802.0
-65°	0.0	24.0	48.0	97.7	162.3	233.5	326.3	418.2	516.4	615.0	710.9
-67.5°	0.0	21.7	43.4	79.2	137.7	195.8	272.8	355.9	438.2	527.3	615.0
-70°	0.0	19.4	38.8	60.4	112.7	164.6	218.3	292.4	365.7	438.2	516.4
-72.5°	0.0	17.1	34.1	51.1	87.3	132.9	178.1	228.1	292.4	355.9	418.2
-75°	0.0	14.7	29.4	44.0	61.5	100.7	139.6	178.1	218.3	272.8	326.3
-77.5°	0.0	12.3	24.6	36.8	48.9	68.2	100.7	132.9	164.6	195.8	233.5
-80°	0.0	9.9	19.7	29.5	39.3	48.9	61.5	87.3	112.7	137.7	162.3
-82.5°	0.0	7.4	14.8	22.2	29.5	36.8	44.0	51.1	60.4	79.2	97.7
-85°	0.0	4.9	9.9	14.8	19.7	24.6	29.4	34.1	38.8	43.4	48.0
-87.5°	0.0	2.5	4.9	7.4	9.9	12.3	14.7	17.1	19.4	21.7	24.0
-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-SA4E-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°	26.2	28.4	30.5	32.6	34.6	36.5	38.4	40.2	41.9	43.5	45.1
85°	52.4	56.7	68.2	79.4	90.2	100.7	110.9	120.6	129.9	138.8	147.3
82.5°	115.8	133.5	150.8	167.6	183.9	199.6	216.5	237.8	258.2	277.6	296.1
80°	186.4	210.0	243.0	275.6	307.3	337.9	367.5	395.9	423.1	450.4	477.5
77.5°	277.4	320.3	362.2	402.9	443.2	485.3	526.0	565.1	602.6	638.4	672.5
75°	378.9	430.3	485.0	538.8	591.1	641.7	690.2	735.1	778.1	819.2	858.3
72.5°	483.8	549.7	614.1	676.9	735.4	791.8	846.2	898.7	952.9	1007.5	1059.4
70°	593.2	668.4	739.3	807.7	874.2	941.2	1012.0	1080.1	1145.5	1214.4	1292.6
67.5°	700.4	781.0	859.9	939.0	1024.0	1106.3	1186.0	1286.3	1383.3	1476.0	1570.8
65°	802.0	891.4	986.8	1083.7	1178.0	1295.2	1411.6	1524.0	1656.4	1787.2	1912.0
62.5°	901.9	1010.8	1119.7	1238.2	1374.4	1506.8	1660.4	1817.0	1967.8	2137.6	2303.0
60°	1010.8	1131.8	1270.0	1422.3	1579.1	1761.9	1939.2	2135.5	2333.3	2524.5	2759.1
57.5°	1119.7	1270.0	1438.4	1619.9	1823.3	2028.6	2259.2	2482.2	2749.9	3017.2	3283.2
55°	1238.2	1422.3	1619.9	1843.9	2078.2	2334.0	2601.3	2912.9	3214.5	3550.5	3872.3
52.5°	1374.4	1579.1	1823.3	2078.2	2359.0	2666.6	3011.6	3368.4	3744.1	4109.0	4466.8
50°	1506.8	1761.9	2028.6	2334.0	2666.6	3044.6	3445.9	3861.4	4271.6	4671.7	5046.5
47.5°	1660.4	1939.2	2259.2	2601.3	3011.6	3445.9	3900.6	4353.5	4795.9	5206.4	5599.6
45°	1817.0	2135.5	2482.2	2912.9	3368.4	3861.4	4353.5	4837.5	5287.0	5711.2	6082.3
42.5°	1967.8	2333.3	2749.9	3214.5	3744.1	4271.6	4795.9	5287.0	5747.5	6156.0	6528.8
40°	2137.6	2524.5	3017.2	3550.5	4109.0	4671.7	5206.4	5711.2	6156.0	6562.8	6940.2
37.5°	2303.0	2759.1	3283.2	3872.3	4466.8	5046.5	5599.6	6082.3	6528.8	6940.2	7302.4
35°	2460.0	2982.2	3565.8	4184.2	4808.4	5397.7	5936.1	6427.5	6871.1	7270.4	7640.6
32.5°	2634.5	3193.0	3833.2	4483.9	5119.6	5719.7	6253.4	6734.1	7175.1	7580.6	7948.2
30°	2814.5	3420.4	4087.1	4766.1	5411.9	5998.9	6531.6	7018.4	7456.0	7856.4	8216.7
27.5°	2982.2	3634.9	4329.2	5021.5	5678.9	6260.6	6786.2	7265.4	7705.5	8108.7	8457.9
25°	3137.0	3833.2	4553.4	5255.2	5903.6	6486.8	7017.1	7496.0	7933.5	8320.4	8659.9
22.5°	3289.9	4014.9	4758.8	5469.7	6110.1	6688.9	7214.4	7694.6	8132.3	8515.6	8841.4
20°	3438.5	4184.2	4940.1	5660.0	6297.5	6872.6	7394.0	7873.3	8299.4	8670.5	8994.8
17.5°	3570.8	4335.0	5098.6	5813.5	6451.6	7029.4	7553.0	8033.8	8449.7	8810.2	9127.2
15°	3686.4	4466.8	5237.3	5948.0	6584.1	7159.7	7683.3	8158.8	8571.9	8929.5	9244.2
12.5°	3784.8	4579.2	5355.6	6062.8	6697.4	7271.1	7794.9	8263.8	8669.9	9022.9	9330.8
10°	3865.8	4671.7	5453.1	6157.5	6790.9	7363.2	7887.2	8350.7	8751.3	9100.5	9403.0
7.5°	3929.1	4744.0	5529.3	6231.6	6864.0	7435.4	7959.6	8419.0	8815.2	9161.7	9460.0
5°	3974.4	4795.9	5584.0	6284.7	6916.6	7487.2	8011.6	8468.2	8861.3	9205.8	9501.1
2.5°	4001.7	4827.1	5616.9	6316.7	6948.2	7518.5	8043.0	8497.8	8889.1	9232.4	9526.0
0°	4010.8	4837.5	5627.9	6327.4	6958.8	7528.9	8053.5	8507.7	8898.4	9241.3	9534.3
-2.5°	4001.7	4827.1	5616.9	6316.7	6948.2	7518.5	8043.0	8497.8	8889.1	9232.4	9526.0
-5°	3974.4	4795.9	5584.0	6284.7	6916.6	7487.2	8011.6	8468.2	8861.3	9205.8	9501.1
-7.5°	3929.1	4744.0	5529.3	6231.6	6864.0	7435.4	7959.6	8419.0	8815.2	9161.7	9460.0
-10°	3865.8	4671.7	5453.1	6157.5	6790.9	7363.2	7887.2	8350.7	8751.3	9100.5	9403.0
-12.5°	3784.8	4579.2	5355.6	6062.8	6697.4	7271.1	7794.9	8263.8	8669.9	9022.9	9330.8
-15°	3686.4	4466.8	5237.3	5948.0	6584.1	7159.7	7683.3	8158.8	8571.9	8929.5	9244.2
-17.5°	3570.8	4335.0	5098.6	5813.5	6451.6	7029.4	7553.0	8033.8	8449.7	8810.2	9127.2
-20°	3438.5	4184.2	4940.1	5660.0	6297.5	6872.6	7394.0	7873.3	8299.4	8670.5	8994.8



REPORT NUMBER: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	3289.9	4014.9	4758.8	5469.7	6110.1	6688.9	7214.4	7694.6	8132.3	8515.6	8841.4
-25°	3137.0	3833.2	4553.4	5255.2	5903.6	6486.8	7017.1	7496.0	7933.5	8320.4	8659.9
-27.5°	2982.2	3634.9	4329.2	5021.5	5678.9	6260.6	6786.2	7265.4	7705.5	8108.7	8457.9
-30°	2814.5	3420.4	4087.1	4766.1	5411.9	5998.9	6531.6	7018.4	7456.0	7856.4	8216.7
-32.5°	2634.5	3193.0	3833.2	4483.9	5119.6	5719.7	6253.4	6734.1	7175.1	7580.6	7948.2
-35°	2460.0	2982.2	3565.8	4184.2	4808.4	5397.7	5936.1	6427.5	6871.1	7270.4	7640.6
-37.5°	2303.0	2759.1	3283.2	3872.3	4466.8	5046.5	5599.6	6082.3	6528.8	6940.2	7302.4
-40°	2137.6	2524.5	3017.2	3550.5	4109.0	4671.7	5206.4	5711.2	6156.0	6562.8	6940.2
-42.5°	1967.8	2333.3	2749.9	3214.5	3744.1	4271.6	4795.9	5287.0	5747.5	6156.0	6528.8
-45°	1817.0	2135.5	2482.2	2912.9	3368.4	3861.4	4353.5	4837.5	5287.0	5711.2	6082.3
-47.5°	1660.4	1939.2	2259.2	2601.3	3011.6	3445.9	3900.6	4353.5	4795.9	5206.4	5599.6
-50°	1506.8	1761.9	2028.6	2334.0	2666.6	3044.6	3445.9	3861.4	4271.6	4671.7	5046.5
-52.5°	1374.4	1579.1	1823.3	2078.2	2359.0	2666.6	3011.6	3368.4	3744.1	4109.0	4466.8
-55°	1238.2	1422.3	1619.9	1843.9	2078.2	2334.0	2601.3	2912.9	3214.5	3550.5	3872.3
-57.5°	1119.7	1270.0	1438.4	1619.9	1823.3	2028.6	2259.2	2482.2	2749.9	3017.2	3283.2
-60°	1010.8	1131.8	1270.0	1422.3	1579.1	1761.9	1939.2	2135.5	2333.3	2524.5	2759.1
-62.5°	901.9	1010.8	1119.7	1238.2	1374.4	1506.8	1660.4	1817.0	1967.8	2137.6	2303.0
-65°	802.0	891.4	986.8	1083.7	1178.0	1295.2	1411.6	1524.0	1656.4	1787.2	1912.0
-67.5°	700.4	781.0	859.9	939.0	1024.0	1106.3	1186.0	1286.3	1383.3	1476.0	1570.8
-70°	593.2	668.4	739.3	807.7	874.2	941.2	1012.0	1080.1	1145.5	1214.4	1292.6
-72.5°	483.8	549.7	614.1	676.9	735.4	791.8	846.2	898.7	952.9	1007.5	1059.4
-75°	378.9	430.3	485.0	538.8	591.1	641.7	690.2	735.1	778.1	819.2	858.3
-77.5°	277.4	320.3	362.2	402.9	443.2	485.3	526.0	565.1	602.6	638.4	672.5
-80°	186.4	210.0	243.0	275.6	307.3	337.9	367.5	395.9	423.1	450.4	477.5
-82.5°	115.8	133.5	150.8	167.6	183.9	199.6	216.5	237.8	258.2	277.6	296.1
-85°	52.4	56.7	68.2	79.4	90.2	100.7	110.9	120.6	129.9	138.8	147.3
-87.5°	26.2	28.4	30.5	32.6	34.6	36.5	38.4	40.2	41.9	43.5	45.1
-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: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	46.5	47.9	49.2	50.4	51.5	52.5	53.4	54.2	54.9	55.5	55.9
85°	155.2	162.7	169.7	176.2	182.2	187.6	192.5	196.9	200.7	203.9	206.5
82.5°	313.6	330.0	345.3	359.5	372.6	384.5	395.2	404.7	413.0	420.0	425.8
80°	503.2	527.3	549.9	570.8	590.0	607.6	623.3	637.3	649.5	659.9	668.4
77.5°	703.7	732.5	759.5	784.6	807.6	828.6	847.5	864.3	878.9	891.4	901.6
75°	895.3	931.4	968.3	1002.6	1034.1	1062.9	1088.8	1111.8	1131.8	1148.8	1162.8
72.5°	1108.5	1154.7	1201.2	1253.9	1302.6	1346.9	1386.9	1422.3	1453.3	1479.6	1501.2
70°	1366.6	1436.4	1501.7	1568.4	1639.1	1703.7	1761.9	1813.6	1858.7	1897.1	1928.6
67.5°	1676.7	1776.5	1870.1	1957.0	2047.7	2135.5	2214.7	2285.1	2346.6	2398.8	2441.8
65°	2039.3	2173.1	2298.6	2415.4	2524.5	2651.9	2767.0	2869.3	2958.6	3034.6	3097.2
62.5°	2460.0	2634.5	2814.5	2982.2	3137.0	3289.9	3438.5	3570.8	3686.4	3784.8	3865.8
60°	2982.2	3193.0	3420.4	3634.9	3833.2	4014.9	4184.2	4335.0	4466.8	4579.2	4671.7
57.5°	3565.8	3833.2	4087.1	4329.2	4553.4	4758.8	4940.1	5098.6	5237.3	5355.6	5453.1
55°	4184.2	4483.9	4766.1	5021.5	5255.2	5469.7	5660.0	5813.5	5948.0	6062.8	6157.5
52.5°	4808.4	5119.6	5411.9	5678.9	5903.6	6110.1	6297.5	6451.6	6584.1	6697.4	6790.9
50°	5397.7	5719.7	5998.9	6260.6	6486.8	6688.9	6872.6	7029.4	7159.7	7271.1	7363.2
47.5°	5936.1	6253.4	6531.6	6786.2	7017.1	7214.4	7394.0	7553.0	7683.3	7794.9	7887.2
45°	6427.5	6734.1	7018.4	7265.4	7496.0	7694.6	7873.3	8033.8	8158.8	8263.8	8350.7
42.5°	6871.1	7175.1	7456.0	7705.5	7933.5	8132.3	8299.4	8449.7	8571.9	8669.9	8751.3
40°	7270.4	7580.6	7856.4	8108.7	8320.4	8515.6	8670.5	8810.2	8929.5	9022.9	9100.5
37.5°	7640.6	7948.2	8216.7	8457.9	8659.9	8841.4	8994.8	9127.2	9244.2	9330.8	9403.0
35°	7979.0	8271.3	8536.9	8758.0	8958.3	9129.2	9280.2	9402.4	9511.0	9593.6	9659.4
32.5°	8271.3	8561.1	8807.7	9025.4	9220.9	9380.4	9525.2	9637.1	9735.8	9815.2	9876.4
30°	8536.9	8807.7	9048.0	9263.6	9441.7	9597.1	9727.5	9836.8	9927.8	10003.6	10057.4
27.5°	8758.0	9025.4	9263.6	9462.4	9632.9	9782.4	9901.7	10007.0	10086.5	10156.3	10202.5
25°	8958.3	9220.9	9441.7	9632.9	9798.4	9934.9	10048.5	10143.8	10214.3	10274.1	10308.5
22.5°	9129.2	9380.4	9597.1	9782.4	9934.9	10062.5	10169.6	10250.2	10308.0	10344.1	10364.5
20°	9280.2	9525.2	9727.5	9901.7	10048.5	10169.6	10262.4	10322.1	10362.3	10372.2	10378.1
17.5°	9402.4	9637.1	9836.8	10007.0	10143.8	10250.2	10322.1	10364.2	10376.2	10374.1	10368.2
15°	9511.0	9735.8	9927.8	10086.5	10214.3	10308.0	10362.3	10376.2	10372.7	10360.6	10341.9
12.5°	9593.6	9815.2	10003.6	10156.3	10274.1	10344.1	10372.2	10374.1	10360.6	10337.4	10310.8
10°	9659.4	9876.4	10057.4	10202.5	10308.5	10364.5	10378.1	10368.2	10341.9	10310.8	10281.3
7.5°	9711.5	9924.9	10100.2	10239.5	10331.0	10370.7	10373.7	10355.0	10323.4	10288.1	10256.3
5°	9749.2	9960.0	10131.4	10266.4	10347.5	10375.3	10370.5	10344.6	10308.1	10271.1	10242.0
2.5°	9772.0	9981.4	10150.3	10282.8	10357.6	10378.1	10368.5	10338.2	10298.4	10260.3	10232.6
0°	9779.6	9988.5	10156.6	10288.3	10361.0	10379.1	10367.8	10336.0	10295.1	10256.5	10229.3
-2.5°	9772.0	9981.4	10150.3	10282.8	10357.6	10378.1	10368.5	10338.2	10298.4	10260.3	10232.6
-5°	9749.2	9960.0	10131.4	10266.4	10347.5	10375.3	10370.5	10344.6	10308.1	10271.1	10242.0
-7.5°	9711.5	9924.9	10100.2	10239.5	10331.0	10370.7	10373.7	10355.0	10323.4	10288.1	10256.3
-10°	9659.4	9876.4	10057.4	10202.5	10308.5	10364.5	10378.1	10368.2	10341.9	10310.8	10281.3
-12.5°	9593.6	9815.2	10003.6	10156.3	10274.1	10344.1	10372.2	10374.1	10360.6	10337.4	10310.8
-15°	9511.0	9735.8	9927.8	10086.5	10214.3	10308.0	10362.3	10376.2	10372.7	10360.6	10341.9
-17.5°	9402.4	9637.1	9836.8	10007.0	10143.8	10250.2	10322.1	10364.2	10376.2	10374.1	10368.2
-20°	9280.2	9525.2	9727.5	9901.7	10048.5	10169.6	10262.4	10322.1	10362.3	10372.2	10378.1



REPORT NUMBER: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	9129.2	9380.4	9597.1	9782.4	9934.9	10062.5	10169.6	10250.2	10308.0	10344.1	10364.5
-25°	8958.3	9220.9	9441.7	9632.9	9798.4	9934.9	10048.5	10143.8	10214.3	10274.1	10308.5
-27.5°	8758.0	9025.4	9263.6	9462.4	9632.9	9782.4	9901.7	10007.0	10086.5	10156.3	10202.5
-30°	8536.9	8807.7	9048.0	9263.6	9441.7	9597.1	9727.5	9836.8	9927.8	10003.6	10057.4
-32.5°	8271.3	8561.1	8807.7	9025.4	9220.9	9380.4	9525.2	9637.1	9735.8	9815.2	9876.4
-35°	7979.0	8271.3	8536.9	8758.0	8958.3	9129.2	9280.2	9402.4	9511.0	9593.6	9659.4
-37.5°	7640.6	7948.2	8216.7	8457.9	8659.9	8841.4	8994.8	9127.2	9244.2	9330.8	9403.0
-40°	7270.4	7580.6	7856.4	8108.7	8320.4	8515.6	8670.5	8810.2	8929.5	9022.9	9100.5
-42.5°	6871.1	7175.1	7456.0	7705.5	7933.5	8132.3	8299.4	8449.7	8571.9	8669.9	8751.3
-45°	6427.5	6734.1	7018.4	7265.4	7496.0	7694.6	7873.3	8033.8	8158.8	8263.8	8350.7
-47.5°	5936.1	6253.4	6531.6	6786.2	7017.1	7214.4	7394.0	7553.0	7683.3	7794.9	7887.2
-50°	5397.7	5719.7	5998.9	6260.6	6486.8	6688.9	6872.6	7029.4	7159.7	7271.1	7363.2
-52.5°	4808.4	5119.6	5411.9	5678.9	5903.6	6110.1	6297.5	6451.6	6584.1	6697.4	6790.9
-55°	4184.2	4483.9	4766.1	5021.5	5255.2	5469.7	5660.0	5813.5	5948.0	6062.8	6157.5
-57.5°	3565.8	3833.2	4087.1	4329.2	4553.4	4758.8	4940.1	5098.6	5237.3	5355.6	5453.1
-60°	2982.2	3193.0	3420.4	3634.9	3833.2	4014.9	4184.2	4335.0	4466.8	4579.2	4671.7
-62.5°	2460.0	2634.5	2814.5	2982.2	3137.0	3289.9	3438.5	3570.8	3686.4	3784.8	3865.8
-65°	2039.3	2173.1	2298.6	2415.4	2524.5	2651.9	2767.0	2869.3	2958.6	3034.6	3097.2
-67.5°	1676.7	1776.5	1870.1	1957.0	2047.7	2135.5	2214.7	2285.1	2346.6	2398.8	2441.8
-70°	1366.6	1436.4	1501.7	1568.4	1639.1	1703.7	1761.9	1813.6	1858.7	1897.1	1928.6
-72.5°	1108.5	1154.7	1201.2	1253.9	1302.6	1346.9	1386.9	1422.3	1453.3	1479.6	1501.2
-75°	895.3	931.4	968.3	1002.6	1034.1	1062.9	1088.8	1111.8	1131.8	1148.8	1162.8
-77.5°	703.7	732.5	759.5	784.6	807.6	828.6	847.5	864.3	878.9	891.4	901.6
-80°	503.2	527.3	549.9	570.8	590.0	607.6	623.3	637.3	649.5	659.9	668.4
-82.5°	313.6	330.0	345.3	359.5	372.6	384.5	395.2	404.7	413.0	420.0	425.8
-85°	155.2	162.7	169.7	176.2	182.2	187.6	192.5	196.9	200.7	203.9	206.5
-87.5°	46.5	47.9	49.2	50.4	51.5	52.5	53.4	54.2	54.9	55.5	55.9
-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: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	56.3	56.6	56.7	56.8	56.7	56.6	56.3	55.9	55.5	54.9	54.2
85°	208.6	210.0	210.9	211.2	210.9	210.0	208.6	206.5	203.9	200.7	196.9
82.5°	430.3	433.5	435.5	436.1	435.5	433.5	430.3	425.8	420.0	413.0	404.7
80°	675.0	679.8	682.6	683.6	682.6	679.8	675.0	668.4	659.9	649.5	637.3
77.5°	909.5	915.2	918.7	919.8	918.7	915.2	909.5	901.6	891.4	878.9	864.3
75°	1173.7	1181.5	1186.2	1187.8	1186.2	1181.5	1173.7	1162.8	1148.8	1131.8	1111.8
72.5°	1518.0	1530.1	1537.4	1539.8	1537.4	1530.1	1518.0	1501.2	1479.6	1453.3	1422.3
70°	1953.2	1970.9	1981.5	1985.0	1981.5	1970.9	1953.2	1928.6	1897.1	1858.7	1813.6
67.5°	2475.4	2499.4	2513.9	2518.7	2513.9	2499.4	2475.4	2441.8	2398.8	2346.6	2285.1
65°	3146.0	3181.0	3202.1	3209.1	3202.1	3181.0	3146.0	3097.2	3034.6	2958.6	2869.3
62.5°	3929.1	3974.4	4001.7	4010.8	4001.7	3974.4	3929.1	3865.8	3784.8	3686.4	3570.8
60°	4744.0	4795.9	4827.1	4837.5	4827.1	4795.9	4744.0	4671.7	4579.2	4466.8	4335.0
57.5°	5529.3	5584.0	5616.9	5627.9	5616.9	5584.0	5529.3	5453.1	5355.6	5237.3	5098.6
55°	6231.6	6284.7	6316.7	6327.4	6316.7	6284.7	6231.6	6157.5	6062.8	5948.0	5813.5
52.5°	6864.0	6916.6	6948.2	6958.8	6948.2	6916.6	6864.0	6790.9	6697.4	6584.1	6451.6
50°	7435.4	7487.2	7518.5	7528.9	7518.5	7487.2	7435.4	7363.2	7271.1	7159.7	7029.4
47.5°	7959.6	8011.6	8043.0	8053.5	8043.0	8011.6	7959.6	7887.2	7794.9	7683.3	7553.0
45°	8419.0	8468.2	8497.8	8507.7	8497.8	8468.2	8419.0	8350.7	8263.8	8158.8	8033.8
42.5°	8815.2	8861.3	8889.1	8898.4	8889.1	8861.3	8815.2	8751.3	8669.9	8571.9	8449.7
40°	9161.7	9205.8	9232.4	9241.3	9232.4	9205.8	9161.7	9100.5	9022.9	8929.5	8810.2
37.5°	9460.0	9501.1	9526.0	9534.3	9526.0	9501.1	9460.0	9403.0	9330.8	9244.2	9127.2
35°	9711.5	9749.2	9772.0	9779.6	9772.0	9749.2	9711.5	9659.4	9593.6	9511.0	9402.4
32.5°	9924.9	9960.0	9981.4	9988.5	9981.4	9960.0	9924.9	9876.4	9815.2	9735.8	9637.1
30°	10100.2	10131.4	10150.3	10156.6	10150.3	10131.4	10100.2	10057.4	10003.6	9927.8	9836.8
27.5°	10239.5	10266.4	10282.8	10288.3	10282.8	10266.4	10239.5	10202.5	10156.3	10086.5	10007.0
25°	10331.0	10347.5	10357.6	10361.0	10357.6	10347.5	10331.0	10308.5	10274.1	10214.3	10143.8
22.5°	10370.7	10375.3	10378.1	10379.1	10378.1	10375.3	10370.7	10364.5	10344.1	10308.0	10250.2
20°	10373.7	10370.5	10368.5	10367.8	10368.5	10370.5	10373.7	10378.1	10372.2	10362.3	10322.1
17.5°	10355.0	10344.6	10338.2	10336.0	10338.2	10344.6	10355.0	10368.2	10374.1	10376.2	10364.2
15°	10323.4	10308.1	10298.4	10295.1	10298.4	10308.1	10323.4	10341.9	10360.6	10372.7	10376.2
12.5°	10288.1	10271.1	10260.3	10256.5	10260.3	10271.1	10288.1	10310.8	10337.4	10360.6	10374.1
10°	10256.3	10242.0	10232.6	10229.3	10232.6	10242.0	10256.3	10281.3	10310.8	10341.9	10368.2
7.5°	10235.7	10223.0	10216.0	10213.4	10216.0	10223.0	10235.7	10256.3	10288.1	10323.4	10355.0
5°	10223.0	10210.2	10199.5	10195.2	10199.5	10210.2	10223.0	10242.0	10271.1	10308.1	10344.6
2.5°	10216.0	10199.5	10183.2	10174.7	10183.2	10199.5	10216.0	10232.6	10260.3	10298.4	10338.2
0°	10213.4	10195.2	10174.7	10177.0	10174.7	10195.2	10213.4	10229.3	10256.5	10295.1	10336.0
-2.5°	10216.0	10199.5	10183.2	10174.7	10183.2	10199.5	10216.0	10232.6	10260.3	10298.4	10338.2
-5°	10223.0	10210.2	10199.5	10195.2	10199.5	10210.2	10223.0	10242.0	10271.1	10308.1	10344.6
-7.5°	10235.7	10223.0	10216.0	10213.4	10216.0	10223.0	10235.7	10256.3	10288.1	10323.4	10355.0
-10°	10256.3	10242.0	10232.6	10229.3	10232.6	10242.0	10256.3	10281.3	10310.8	10341.9	10368.2
-12.5°	10288.1	10271.1	10260.3	10256.5	10260.3	10271.1	10288.1	10310.8	10337.4	10360.6	10374.1
-15°	10323.4	10308.1	10298.4	10295.1	10298.4	10308.1	10323.4	10341.9	10360.6	10372.7	10376.2
-17.5°	10355.0	10344.6	10338.2	10336.0	10338.2	10344.6	10355.0	10368.2	10374.1	10376.2	10364.2
-20°	10373.7	10370.5	10368.5	10367.8	10368.5	10370.5	10373.7	10378.1	10372.2	10362.3	10322.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-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°	10370.7	10375.3	10378.1	10379.1	10378.1	10375.3	10370.7	10364.5	10344.1	10308.0	10250.2
-25°	10331.0	10347.5	10357.6	10361.0	10357.6	10347.5	10331.0	10308.5	10274.1	10214.3	10143.8
-27.5°	10239.5	10266.4	10282.8	10288.3	10282.8	10266.4	10239.5	10202.5	10156.3	10086.5	10007.0
-30°	10100.2	10131.4	10150.3	10156.6	10150.3	10131.4	10100.2	10057.4	10003.6	9927.8	9836.8
-32.5°	9924.9	9960.0	9981.4	9988.5	9981.4	9960.0	9924.9	9876.4	9815.2	9735.8	9637.1
-35°	9711.5	9749.2	9772.0	9779.6	9772.0	9749.2	9711.5	9659.4	9593.6	9511.0	9402.4
-37.5°	9460.0	9501.1	9526.0	9534.3	9526.0	9501.1	9460.0	9403.0	9330.8	9244.2	9127.2
-40°	9161.7	9205.8	9232.4	9241.3	9232.4	9205.8	9161.7	9100.5	9022.9	8929.5	8810.2
-42.5°	8815.2	8861.3	8889.1	8898.4	8889.1	8861.3	8815.2	8751.3	8669.9	8571.9	8449.7
-45°	8419.0	8468.2	8497.8	8507.7	8497.8	8468.2	8419.0	8350.7	8263.8	8158.8	8033.8
-47.5°	7959.6	8011.6	8043.0	8053.5	8043.0	8011.6	7959.6	7887.2	7794.9	7683.3	7553.0
-50°	7435.4	7487.2	7518.5	7528.9	7518.5	7487.2	7435.4	7363.2	7271.1	7159.7	7029.4
-52.5°	6864.0	6916.6	6948.2	6958.8	6948.2	6916.6	6864.0	6790.9	6697.4	6584.1	6451.6
-55°	6231.6	6284.7	6316.7	6327.4	6316.7	6284.7	6231.6	6157.5	6062.8	5948.0	5813.5
-57.5°	5529.3	5584.0	5616.9	5627.9	5616.9	5584.0	5529.3	5453.1	5355.6	5237.3	5098.6
-60°	4744.0	4795.9	4827.1	4837.5	4827.1	4795.9	4744.0	4671.7	4579.2	4466.8	4335.0
-62.5°	3929.1	3974.4	4001.7	4010.8	4001.7	3974.4	3929.1	3865.8	3784.8	3686.4	3570.8
-65°	3146.0	3181.0	3202.1	3209.1	3202.1	3181.0	3146.0	3097.2	3034.6	2958.6	2869.3
-67.5°	2475.4	2499.4	2513.9	2518.7	2513.9	2499.4	2475.4	2441.8	2398.8	2346.6	2285.1
-70°	1953.2	1970.9	1981.5	1985.0	1981.5	1970.9	1953.2	1928.6	1897.1	1858.7	1813.6
-72.5°	1518.0	1530.1	1537.4	1539.8	1537.4	1530.1	1518.0	1501.2	1479.6	1453.3	1422.3
-75°	1173.7	1181.5	1186.2	1187.8	1186.2	1181.5	1173.7	1162.8	1148.8	1131.8	1111.8
-77.5°	909.5	915.2	918.7	919.8	918.7	915.2	909.5	901.6	891.4	878.9	864.3
-80°	675.0	679.8	682.6	683.6	682.6	679.8	675.0	668.4	659.9	649.5	637.3
-82.5°	430.3	433.5	435.5	436.1	435.5	433.5	430.3	425.8	420.0	413.0	404.7
-85°	208.6	210.0	210.9	211.2	210.9	210.0	208.6	206.5	203.9	200.7	196.9
-87.5°	56.3	56.6	56.7	56.8	56.7	56.6	56.3	55.9	55.5	54.9	54.2
-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: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	53.4	52.5	51.5	50.4	49.2	47.9	46.5	45.1	43.5	41.9	40.2
85°	192.5	187.6	182.2	176.2	169.7	162.7	155.2	147.3	138.8	129.9	120.6
82.5°	395.2	384.5	372.6	359.5	345.3	330.0	313.6	296.1	277.6	258.2	237.8
80°	623.3	607.6	590.0	570.8	549.9	527.3	503.2	477.5	450.4	423.1	395.9
77.5°	847.5	828.6	807.6	784.6	759.5	732.5	703.7	672.5	638.4	602.6	565.1
75°	1088.8	1062.9	1034.1	1002.6	968.3	931.4	895.3	858.3	819.2	778.1	735.1
72.5°	1386.9	1346.9	1302.6	1253.9	1201.2	1154.7	1108.5	1059.4	1007.5	952.9	898.7
70°	1761.9	1703.7	1639.1	1568.4	1501.7	1436.4	1366.6	1292.6	1214.4	1145.5	1080.1
67.5°	2214.7	2135.5	2047.7	1957.0	1870.1	1776.5	1676.7	1570.8	1476.0	1383.3	1286.3
65°	2767.0	2651.9	2524.5	2415.4	2298.6	2173.1	2039.3	1912.0	1787.2	1656.4	1524.0
62.5°	3438.5	3289.9	3137.0	2982.2	2814.5	2634.5	2460.0	2303.0	2137.6	1967.8	1817.0
60°	4184.2	4014.9	3833.2	3634.9	3420.4	3193.0	2982.2	2759.1	2524.5	2333.3	2135.5
57.5°	4940.1	4758.8	4553.4	4329.2	4087.1	3833.2	3565.8	3283.2	3017.2	2749.9	2482.2
55°	5660.0	5469.7	5255.2	5021.5	4766.1	4483.9	4184.2	3872.3	3550.5	3214.5	2912.9
52.5°	6297.5	6110.1	5903.6	5678.9	5411.9	5119.6	4808.4	4466.8	4109.0	3744.1	3368.4
50°	6872.6	6688.9	6486.8	6260.6	5998.9	5719.7	5397.7	5046.5	4671.7	4271.6	3861.4
47.5°	7394.0	7214.4	7017.1	6786.2	6531.6	6253.4	5936.1	5599.6	5206.4	4795.9	4353.5
45°	7873.3	7694.6	7496.0	7265.4	7018.4	6734.1	6427.5	6082.3	5711.2	5287.0	4837.5
42.5°	8299.4	8132.3	7933.5	7705.5	7456.0	7175.1	6871.1	6528.8	6156.0	5747.5	5287.0
40°	8670.5	8515.6	8320.4	8108.7	7856.4	7580.6	7270.4	6940.2	6562.8	6156.0	5711.2
37.5°	8994.8	8841.4	8659.9	8457.9	8216.7	7948.2	7640.6	7302.4	6940.2	6528.8	6082.3
35°	9280.2	9129.2	8958.3	8758.0	8536.9	8271.3	7979.0	7640.6	7270.4	6871.1	6427.5
32.5°	9525.2	9380.4	9220.9	9025.4	8807.7	8561.1	8271.3	7948.2	7580.6	7175.1	6734.1
30°	9727.5	9597.1	9441.7	9263.6	9048.0	8807.7	8536.9	8216.7	7856.4	7456.0	7018.4
27.5°	9901.7	9782.4	9632.9	9462.4	9263.6	9025.4	8758.0	8457.9	8108.7	7705.5	7265.4
25°	10048.5	9934.9	9798.4	9632.9	9441.7	9220.9	8958.3	8659.9	8320.4	7933.5	7496.0
22.5°	10169.6	10062.5	9934.9	9782.4	9597.1	9380.4	9129.2	8841.4	8515.6	8132.3	7694.6
20°	10262.4	10169.6	10048.5	9901.7	9727.5	9525.2	9280.2	8994.8	8670.5	8299.4	7873.3
17.5°	10322.1	10250.2	10143.8	10007.0	9836.8	9637.1	9402.4	9127.2	8810.2	8449.7	8033.8
15°	10362.3	10308.0	10214.3	10086.5	9927.8	9735.8	9511.0	9244.2	8929.5	8571.9	8158.8
12.5°	10372.2	10344.1	10274.1	10156.3	10003.6	9815.2	9593.6	9330.8	9022.9	8669.9	8263.8
10°	10378.1	10364.5	10308.5	10202.5	10057.4	9876.4	9659.4	9403.0	9100.5	8751.3	8350.7
7.5°	10373.7	10370.7	10331.0	10239.5	10100.2	9924.9	9711.5	9460.0	9161.7	8815.2	8419.0
5°	10370.5	10375.3	10347.5	10266.4	10131.4	9960.0	9749.2	9501.1	9205.8	8861.3	8468.2
2.5°	10368.5	10378.1	10357.6	10282.8	10150.3	9981.4	9772.0	9526.0	9232.4	8889.1	8497.8
0°	10367.8	10379.1	10361.0	10288.3	10156.6	9988.5	9779.6	9534.3	9241.3	8898.4	8507.7
-2.5°	10368.5	10378.1	10357.6	10282.8	10150.3	9981.4	9772.0	9526.0	9232.4	8889.1	8497.8
-5°	10370.5	10375.3	10347.5	10266.4	10131.4	9960.0	9749.2	9501.1	9205.8	8861.3	8468.2
-7.5°	10373.7	10370.7	10331.0	10239.5	10100.2	9924.9	9711.5	9460.0	9161.7	8815.2	8419.0
-10°	10378.1	10364.5	10308.5	10202.5	10057.4	9876.4	9659.4	9403.0	9100.5	8751.3	8350.7
-12.5°	10372.2	10344.1	10274.1	10156.3	10003.6	9815.2	9593.6	9330.8	9022.9	8669.9	8263.8
-15°	10362.3	10308.0	10214.3	10086.5	9927.8	9735.8	9511.0	9244.2	8929.5	8571.9	8158.8
-17.5°	10322.1	10250.2	10143.8	10007.0	9836.8	9637.1	9402.4	9127.2	8810.2	8449.7	8033.8
-20°	10262.4	10169.6	10048.5	9901.7	9727.5	9525.2	9280.2	8994.8	8670.5	8299.4	7873.3



REPORT NUMBER: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	10169.6	10062.5	9934.9	9782.4	9597.1	9380.4	9129.2	8841.4	8515.6	8132.3	7694.6
-25°	10048.5	9934.9	9798.4	9632.9	9441.7	9220.9	8958.3	8659.9	8320.4	7933.5	7496.0
-27.5°	9901.7	9782.4	9632.9	9462.4	9263.6	9025.4	8758.0	8457.9	8108.7	7705.5	7265.4
-30°	9727.5	9597.1	9441.7	9263.6	9048.0	8807.7	8536.9	8216.7	7856.4	7456.0	7018.4
-32.5°	9525.2	9380.4	9220.9	9025.4	8807.7	8561.1	8271.3	7948.2	7580.6	7175.1	6734.1
-35°	9280.2	9129.2	8958.3	8758.0	8536.9	8271.3	7979.0	7640.6	7270.4	6871.1	6427.5
-37.5°	8994.8	8841.4	8659.9	8457.9	8216.7	7948.2	7640.6	7302.4	6940.2	6528.8	6082.3
-40°	8670.5	8515.6	8320.4	8108.7	7856.4	7580.6	7270.4	6940.2	6562.8	6156.0	5711.2
-42.5°	8299.4	8132.3	7933.5	7705.5	7456.0	7175.1	6871.1	6528.8	6156.0	5747.5	5287.0
-45°	7873.3	7694.6	7496.0	7265.4	7018.4	6734.1	6427.5	6082.3	5711.2	5287.0	4837.5
-47.5°	7394.0	7214.4	7017.1	6786.2	6531.6	6253.4	5936.1	5599.6	5206.4	4795.9	4353.5
-50°	6872.6	6688.9	6486.8	6260.6	5998.9	5719.7	5397.7	5046.5	4671.7	4271.6	3861.4
-52.5°	6297.5	6110.1	5903.6	5678.9	5411.9	5119.6	4808.4	4466.8	4109.0	3744.1	3368.4
-55°	5660.0	5469.7	5255.2	5021.5	4766.1	4483.9	4184.2	3872.3	3550.5	3214.5	2912.9
-57.5°	4940.1	4758.8	4553.4	4329.2	4087.1	3833.2	3565.8	3283.2	3017.2	2749.9	2482.2
-60°	4184.2	4014.9	3833.2	3634.9	3420.4	3193.0	2982.2	2759.1	2524.5	2333.3	2135.5
-62.5°	3438.5	3289.9	3137.0	2982.2	2814.5	2634.5	2460.0	2303.0	2137.6	1967.8	1817.0
-65°	2767.0	2651.9	2524.5	2415.4	2298.6	2173.1	2039.3	1912.0	1787.2	1656.4	1524.0
-67.5°	2214.7	2135.5	2047.7	1957.0	1870.1	1776.5	1676.7	1570.8	1476.0	1383.3	1286.3
-70°	1761.9	1703.7	1639.1	1568.4	1501.7	1436.4	1366.6	1292.6	1214.4	1145.5	1080.1
-72.5°	1386.9	1346.9	1302.6	1253.9	1201.2	1154.7	1108.5	1059.4	1007.5	952.9	898.7
-75°	1088.8	1062.9	1034.1	1002.6	968.3	931.4	895.3	858.3	819.2	778.1	735.1
-77.5°	847.5	828.6	807.6	784.6	759.5	732.5	703.7	672.5	638.4	602.6	565.1
-80°	623.3	607.6	590.0	570.8	549.9	527.3	503.2	477.5	450.4	423.1	395.9
-82.5°	395.2	384.5	372.6	359.5	345.3	330.0	313.6	296.1	277.6	258.2	237.8
-85°	192.5	187.6	182.2	176.2	169.7	162.7	155.2	147.3	138.8	129.9	120.6
-87.5°	53.4	52.5	51.5	50.4	49.2	47.9	46.5	45.1	43.5	41.9	40.2
-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: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-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°	38.4	36.5	34.6	32.6	30.5	28.4	26.2	24.0	21.7	19.4	17.1
85°	110.9	100.7	90.2	79.4	68.2	56.7	52.4	48.0	43.4	38.8	34.1
82.5°	216.5	199.6	183.9	167.6	150.8	133.5	115.8	97.7	79.2	60.4	51.1
80°	367.5	337.9	307.3	275.6	243.0	210.0	186.4	162.3	137.7	112.7	87.3
77.5°	526.0	485.3	443.2	402.9	362.2	320.3	277.4	233.5	195.8	164.6	132.9
75°	690.2	641.7	591.1	538.8	485.0	430.3	378.9	326.3	272.8	218.3	178.1
72.5°	846.2	791.8	735.4	676.9	614.1	549.7	483.8	418.2	355.9	292.4	228.1
70°	1012.0	941.2	874.2	807.7	739.3	668.4	593.2	516.4	438.2	365.7	292.4
67.5°	1186.0	1106.3	1024.0	939.0	859.9	781.0	700.4	615.0	527.3	438.2	355.9
65°	1411.6	1295.2	1178.0	1083.7	986.8	891.4	802.0	710.9	615.0	516.4	418.2
62.5°	1660.4	1506.8	1374.4	1238.2	1119.7	1010.8	901.9	802.0	700.4	593.2	483.8
60°	1939.2	1761.9	1579.1	1422.3	1270.0	1131.8	1010.8	891.4	781.0	668.4	549.7
57.5°	2259.2	2028.6	1823.3	1619.9	1438.4	1270.0	1119.7	986.8	859.9	739.3	614.1
55°	2601.3	2334.0	2078.2	1843.9	1619.9	1422.3	1238.2	1083.7	939.0	807.7	676.9
52.5°	3011.6	2666.6	2359.0	2078.2	1823.3	1579.1	1374.4	1178.0	1024.0	874.2	735.4
50°	3445.9	3044.6	2666.6	2334.0	2028.6	1761.9	1506.8	1295.2	1106.3	941.2	791.8
47.5°	3900.6	3445.9	3011.6	2601.3	2259.2	1939.2	1660.4	1411.6	1186.0	1012.0	846.2
45°	4353.5	3861.4	3368.4	2912.9	2482.2	2135.5	1817.0	1524.0	1286.3	1080.1	898.7
42.5°	4795.9	4271.6	3744.1	3214.5	2749.9	2333.3	1967.8	1656.4	1383.3	1145.5	952.9
40°	5206.4	4671.7	4109.0	3550.5	3017.2	2524.5	2137.6	1787.2	1476.0	1214.4	1007.5
37.5°	5599.6	5046.5	4466.8	3872.3	3283.2	2759.1	2303.0	1912.0	1570.8	1292.6	1059.4
35°	5936.1	5397.7	4808.4	4184.2	3565.8	2982.2	2460.0	2039.3	1676.7	1366.6	1108.5
32.5°	6253.4	5719.7	5119.6	4483.9	3833.2	3193.0	2634.5	2173.1	1776.5	1436.4	1154.7
30°	6531.6	5998.9	5411.9	4766.1	4087.1	3420.4	2814.5	2298.6	1870.1	1501.7	1201.2
27.5°	6786.2	6260.6	5678.9	5021.5	4329.2	3634.9	2982.2	2415.4	1957.0	1568.4	1253.9
25°	7017.1	6486.8	5903.6	5255.2	4553.4	3833.2	3137.0	2524.5	2047.7	1639.1	1302.6
22.5°	7214.4	6688.9	6110.1	5469.7	4758.8	4014.9	3289.9	2651.9	2135.5	1703.7	1346.9
20°	7394.0	6872.6	6297.5	5660.0	4940.1	4184.2	3438.5	2767.0	2214.7	1761.9	1386.9
17.5°	7553.0	7029.4	6451.6	5813.5	5098.6	4335.0	3570.8	2869.3	2285.1	1813.6	1422.3
15°	7683.3	7159.7	6584.1	5948.0	5237.3	4466.8	3686.4	2958.6	2346.6	1858.7	1453.3
12.5°	7794.9	7271.1	6697.4	6062.8	5355.6	4579.2	3784.8	3034.6	2398.8	1897.1	1479.6
10°	7887.2	7363.2	6790.9	6157.5	5453.1	4671.7	3865.8	3097.2	2441.8	1928.6	1501.2
7.5°	7959.6	7435.4	6864.0	6231.6	5529.3	4744.0	3929.1	3146.0	2475.4	1953.2	1518.0
5°	8011.6	7487.2	6916.6	6284.7	5584.0	4795.9	3974.4	3181.0	2499.4	1970.9	1530.1
2.5°	8043.0	7518.5	6948.2	6316.7	5616.9	4827.1	4001.7	3202.1	2513.9	1981.5	1537.4
0°	8053.5	7528.9	6958.8	6327.4	5627.9	4837.5	4010.8	3209.1	2518.7	1985.0	1539.8
-2.5°	8043.0	7518.5	6948.2	6316.7	5616.9	4827.1	4001.7	3202.1	2513.9	1981.5	1537.4
-5°	8011.6	7487.2	6916.6	6284.7	5584.0	4795.9	3974.4	3181.0	2499.4	1970.9	1530.1
-7.5°	7959.6	7435.4	6864.0	6231.6	5529.3	4744.0	3929.1	3146.0	2475.4	1953.2	1518.0
-10°	7887.2	7363.2	6790.9	6157.5	5453.1	4671.7	3865.8	3097.2	2441.8	1928.6	1501.2
-12.5°	7794.9	7271.1	6697.4	6062.8	5355.6	4579.2	3784.8	3034.6	2398.8	1897.1	1479.6
-15°	7683.3	7159.7	6584.1	5948.0	5237.3	4466.8	3686.4	2958.6	2346.6	1858.7	1453.3
-17.5°	7553.0	7029.4	6451.6	5813.5	5098.6	4335.0	3570.8	2869.3	2285.1	1813.6	1422.3
-20°	7394.0	6872.6	6297.5	5660.0	4940.1	4184.2	3438.5	2767.0	2214.7	1761.9	1386.9

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

Scaled Data Report



REPORT NUMBER: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-730-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°	7214.4	6688.9	6110.1	5469.7	4758.8	4014.9	3289.9	2651.9	2135.5	1703.7	1346.9
-25°	7017.1	6486.8	5903.6	5255.2	4553.4	3833.2	3137.0	2524.5	2047.7	1639.1	1302.6
-27.5°	6786.2	6260.6	5678.9	5021.5	4329.2	3634.9	2982.2	2415.4	1957.0	1568.4	1253.9
-30°	6531.6	5998.9	5411.9	4766.1	4087.1	3420.4	2814.5	2298.6	1870.1	1501.7	1201.2
-32.5°	6253.4	5719.7	5119.6	4483.9	3833.2	3193.0	2634.5	2173.1	1776.5	1436.4	1154.7
-35°	5936.1	5397.7	4808.4	4184.2	3565.8	2982.2	2460.0	2039.3	1676.7	1366.6	1108.5
-37.5°	5599.6	5046.5	4466.8	3872.3	3283.2	2759.1	2303.0	1912.0	1570.8	1292.6	1059.4
-40°	5206.4	4671.7	4109.0	3550.5	3017.2	2524.5	2137.6	1787.2	1476.0	1214.4	1007.5
-42.5°	4795.9	4271.6	3744.1	3214.5	2749.9	2333.3	1967.8	1656.4	1383.3	1145.5	952.9
-45°	4353.5	3861.4	3368.4	2912.9	2482.2	2135.5	1817.0	1524.0	1286.3	1080.1	898.7
-47.5°	3900.6	3445.9	3011.6	2601.3	2259.2	1939.2	1660.4	1411.6	1186.0	1012.0	846.2
-50°	3445.9	3044.6	2666.6	2334.0	2028.6	1761.9	1506.8	1295.2	1106.3	941.2	791.8
-52.5°	3011.6	2666.6	2359.0	2078.2	1823.3	1579.1	1374.4	1178.0	1024.0	874.2	735.4
-55°	2601.3	2334.0	2078.2	1843.9	1619.9	1422.3	1238.2	1083.7	939.0	807.7	676.9
-57.5°	2259.2	2028.6	1823.3	1619.9	1438.4	1270.0	1119.7	986.8	859.9	739.3	614.1
-60°	1939.2	1761.9	1579.1	1422.3	1270.0	1131.8	1010.8	891.4	781.0	668.4	549.7
-62.5°	1660.4	1506.8	1374.4	1238.2	1119.7	1010.8	901.9	802.0	700.4	593.2	483.8
-65°	1411.6	1295.2	1178.0	1083.7	986.8	891.4	802.0	710.9	615.0	516.4	418.2
-67.5°	1186.0	1106.3	1024.0	939.0	859.9	781.0	700.4	615.0	527.3	438.2	355.9
-70°	1012.0	941.2	874.2	807.7	739.3	668.4	593.2	516.4	438.2	365.7	292.4
-72.5°	846.2	791.8	735.4	676.9	614.1	549.7	483.8	418.2	355.9	292.4	228.1
-75°	690.2	641.7	591.1	538.8	485.0	430.3	378.9	326.3	272.8	218.3	178.1
-77.5°	526.0	485.3	443.2	402.9	362.2	320.3	277.4	233.5	195.8	164.6	132.9
-80°	367.5	337.9	307.3	275.6	243.0	210.0	186.4	162.3	137.7	112.7	87.3
-82.5°	216.5	199.6	183.9	167.6	150.8	133.5	115.8	97.7	79.2	60.4	51.1
-85°	110.9	100.7	90.2	79.4	68.2	56.7	52.4	48.0	43.4	38.8	34.1
-87.5°	38.4	36.5	34.6	32.6	30.5	28.4	26.2	24.0	21.7	19.4	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: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-730-U-LAM-XX

**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°	14.7	12.3	9.9	7.4	4.9	2.5	0.0
85°	29.4	24.6	19.7	14.8	9.9	4.9	0.0
82.5°	44.0	36.8	29.5	22.2	14.8	7.4	0.0
80°	61.5	48.9	39.3	29.5	19.7	9.9	0.0
77.5°	100.7	68.2	48.9	36.8	24.6	12.3	0.0
75°	139.6	100.7	61.5	44.0	29.4	14.7	0.0
72.5°	178.1	132.9	87.3	51.1	34.1	17.1	0.0
70°	218.3	164.6	112.7	60.4	38.8	19.4	0.0
67.5°	272.8	195.8	137.7	79.2	43.4	21.7	0.0
65°	326.3	233.5	162.3	97.7	48.0	24.0	0.0
62.5°	378.9	277.4	186.4	115.8	52.4	26.2	0.0
60°	430.3	320.3	210.0	133.5	56.7	28.4	0.0
57.5°	485.0	362.2	243.0	150.8	68.2	30.5	0.0
55°	538.8	402.9	275.6	167.6	79.4	32.6	0.0
52.5°	591.1	443.2	307.3	183.9	90.2	34.6	0.0
50°	641.7	485.3	337.9	199.6	100.7	36.5	0.0
47.5°	690.2	526.0	367.5	216.5	110.9	38.4	0.0
45°	735.1	565.1	395.9	237.8	120.6	40.2	0.0
42.5°	778.1	602.6	423.1	258.2	129.9	41.9	0.0
40°	819.2	638.4	450.4	277.6	138.8	43.5	0.0
37.5°	858.3	672.5	477.5	296.1	147.3	45.1	0.0
35°	895.3	703.7	503.2	313.6	155.2	46.5	0.0
32.5°	931.4	732.5	527.3	330.0	162.7	47.9	0.0
30°	968.3	759.5	549.9	345.3	169.7	49.2	0.0
27.5°	1002.6	784.6	570.8	359.5	176.2	50.4	0.0
25°	1034.1	807.6	590.0	372.6	182.2	51.5	0.0
22.5°	1062.9	828.6	607.6	384.5	187.6	52.5	0.0
20°	1088.8	847.5	623.3	395.2	192.5	53.4	0.0
17.5°	1111.8	864.3	637.3	404.7	196.9	54.2	0.0
15°	1131.8	878.9	649.5	413.0	200.7	54.9	0.0
12.5°	1148.8	891.4	659.9	420.0	203.9	55.5	0.0
10°	1162.8	901.6	668.4	425.8	206.5	55.9	0.0
7.5°	1173.7	909.5	675.0	430.3	208.6	56.3	0.0
5°	1181.5	915.2	679.8	433.5	210.0	56.6	0.0
2.5°	1186.2	918.7	682.6	435.5	210.9	56.7	0.0
0°	1187.8	919.8	683.6	436.1	211.2	56.8	0.0
-2.5°	1186.2	918.7	682.6	435.5	210.9	56.7	0.0
-5°	1181.5	915.2	679.8	433.5	210.0	56.6	0.0
-7.5°	1173.7	909.5	675.0	430.3	208.6	56.3	0.0
-10°	1162.8	901.6	668.4	425.8	206.5	55.9	0.0
-12.5°	1148.8	891.4	659.9	420.0	203.9	55.5	0.0
-15°	1131.8	878.9	649.5	413.0	200.7	54.9	0.0
-17.5°	1111.8	864.3	637.3	404.7	196.9	54.2	0.0
-20°	1088.8	847.5	623.3	395.2	192.5	53.4	0.0

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Scaled Data Report



REPORT NUMBER: P645492 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: GFLD-SA4E-730-U-LAM-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1062.9	828.6	607.6	384.5	187.6	52.5	0.0
-25°	1034.1	807.6	590.0	372.6	182.2	51.5	0.0
-27.5°	1002.6	784.6	570.8	359.5	176.2	50.4	0.0
-30°	968.3	759.5	549.9	345.3	169.7	49.2	0.0
-32.5°	931.4	732.5	527.3	330.0	162.7	47.9	0.0
-35°	895.3	703.7	503.2	313.6	155.2	46.5	0.0
-37.5°	858.3	672.5	477.5	296.1	147.3	45.1	0.0
-40°	819.2	638.4	450.4	277.6	138.8	43.5	0.0
-42.5°	778.1	602.6	423.1	258.2	129.9	41.9	0.0
-45°	735.1	565.1	395.9	237.8	120.6	40.2	0.0
-47.5°	690.2	526.0	367.5	216.5	110.9	38.4	0.0
-50°	641.7	485.3	337.9	199.6	100.7	36.5	0.0
-52.5°	591.1	443.2	307.3	183.9	90.2	34.6	0.0
-55°	538.8	402.9	275.6	167.6	79.4	32.6	0.0
-57.5°	485.0	362.2	243.0	150.8	68.2	30.5	0.0
-60°	430.3	320.3	210.0	133.5	56.7	28.4	0.0
-62.5°	378.9	277.4	186.4	115.8	52.4	26.2	0.0
-65°	326.3	233.5	162.3	97.7	48.0	24.0	0.0
-67.5°	272.8	195.8	137.7	79.2	43.4	21.7	0.0
-70°	218.3	164.6	112.7	60.4	38.8	19.4	0.0
-72.5°	178.1	132.9	87.3	51.1	34.1	17.1	0.0
-75°	139.6	100.7	61.5	44.0	29.4	14.7	0.0
-77.5°	100.7	68.2	48.9	36.8	24.6	12.3	0.0
-80°	61.5	48.9	39.3	29.5	19.7	9.9	0.0
-82.5°	44.0	36.8	29.5	22.2	14.8	7.4	0.0
-85°	29.4	24.6	19.7	14.8	9.9	4.9	0.0
-87.5°	14.7	12.3	9.9	7.4	4.9	2.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)