

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: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5E-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645540 (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-SA5E-730-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

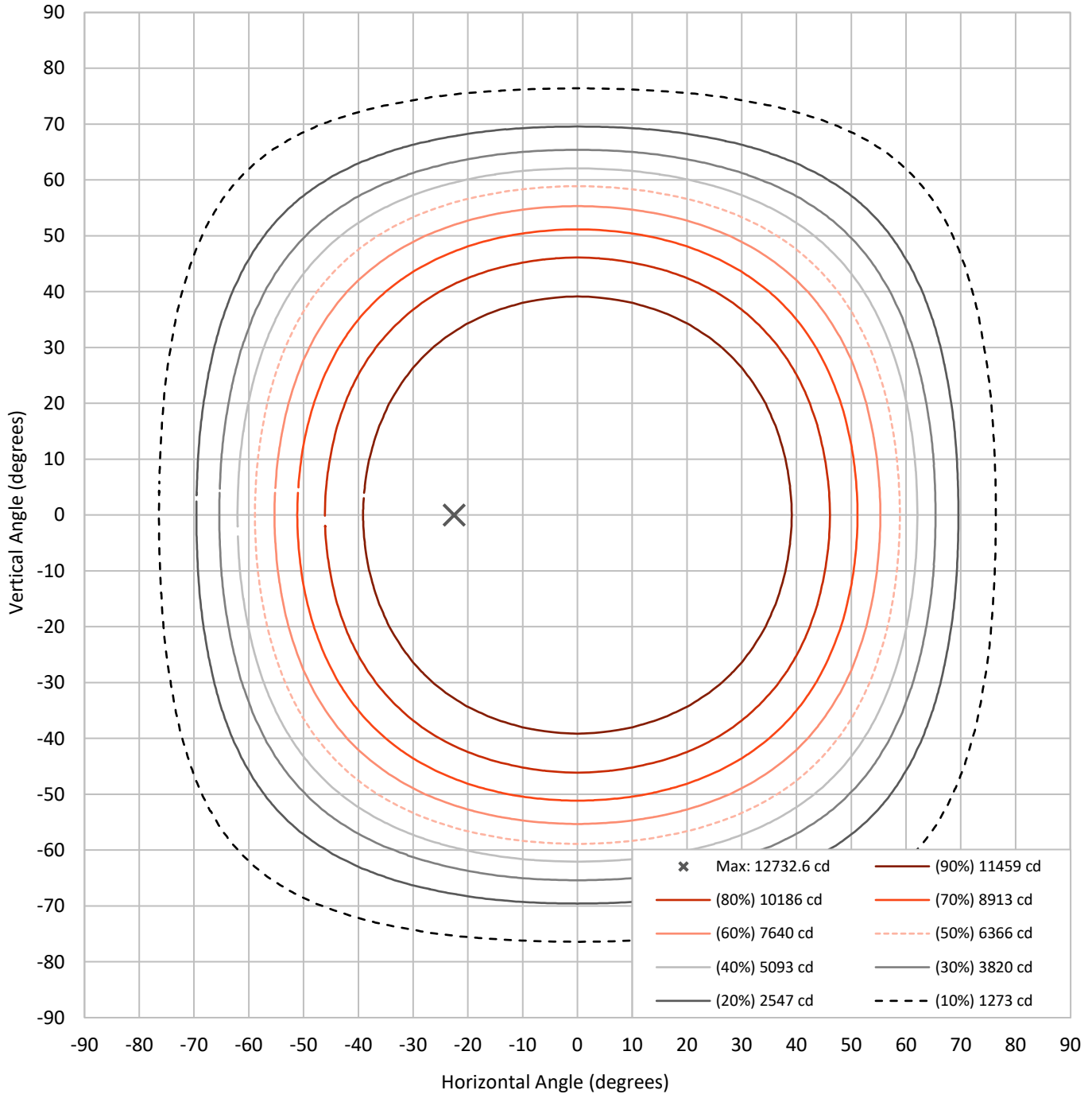
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	38949.7 lumens	Max Intensity:	12732.6 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	124.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	32414.7 lumens	Field Lumens:	38183.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	313.7		
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





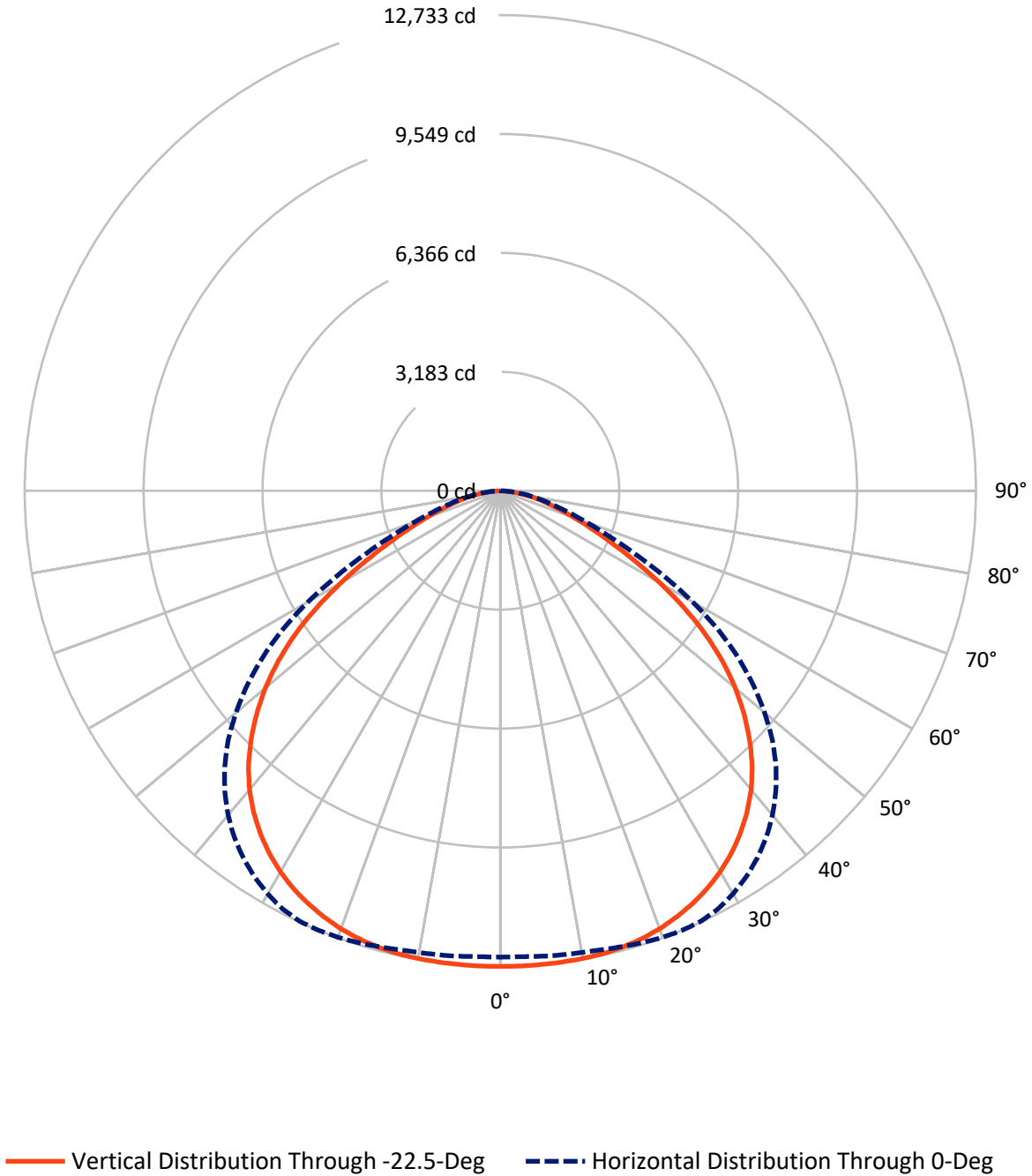
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Lumen Table

90																		
80	1.9	20.2	57.1	94.9	111.2	94.9	57.1	20.2	1.9									
70																		
60	9.6	11.3	23.7	41.4	64.0	88.4	109.2	120.8	120.8	109.2	88.4	64.0	41.4	23.7	11.3	9.6		
50																		
40	18.2	17.6	40.4	78.3	128.0	176.2	212.1	231.1	231.1	212.1	176.2	128.0	78.3	40.4	17.6	18.2		
30																		
20	24.9	25.1	63.9	127.2	195.1	251.9	292.0	312.6	312.6	292.0	251.9	195.1	127.2	63.9	25.1	24.9		
10																		
0	27.5	33.7	90.4	168.7	242.5	301.5	341.2	361.0	361.0	341.2	301.5	242.5	168.7	90.4	33.7	27.5		
-10																		
-20	24.9	42.2	112.5	197.1	272.7	330.2	366.8	383.2	383.2	366.8	330.2	272.7	197.1	112.5	42.2	24.9		
-30																		
-40	18.2	49.0	127.0	214.3	289.6	344.3	373.3	383.4	383.4	373.3	344.3	289.6	214.3	127.0	49.0	18.2		
-50																		
-60	9.6	52.6	134.2	222.5	297.1	348.6	371.7	379.8	379.8	371.7	348.6	297.1	222.5	134.2	52.6	9.6		
-70																		
-80	1.9	52.6	134.2	222.5	297.1	348.6	371.7	379.8	379.8	371.7	348.6	297.1	222.5	134.2	52.6	1.9		
-90																		

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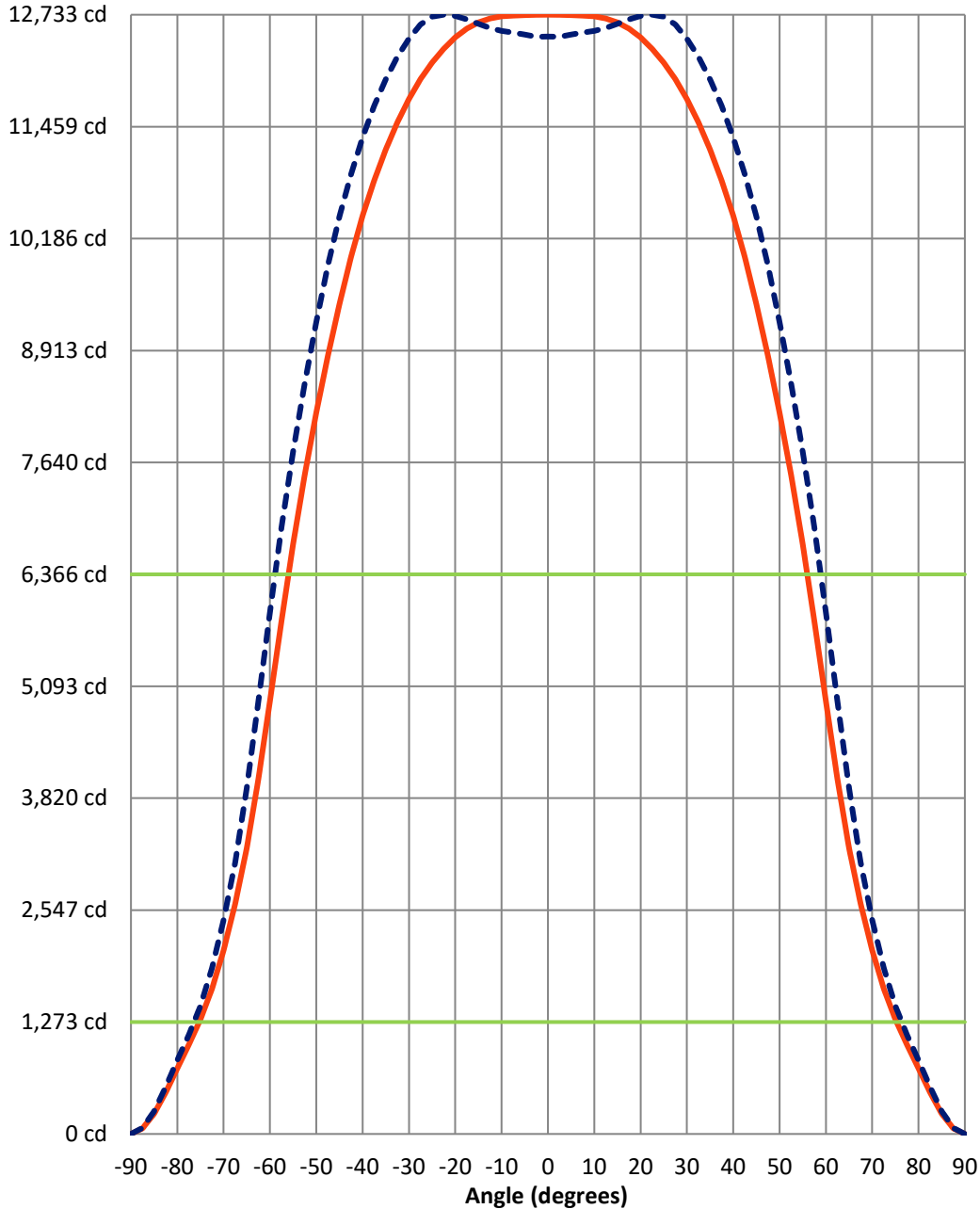
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 32414.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 38183.7
 Efficiency: 98.0%

Spill:
 Lumens: 766
 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	3.0	6.1	9.1	12.1	15.1	18.0	21.0	23.8	26.7	29.4
85°	0.0	6.1	12.1	18.2	24.2	30.1	36.0	41.9	47.6	53.3	58.9
82.5°	0.0	9.1	18.2	27.2	36.2	45.1	54.0	62.7	74.1	97.2	119.9
80°	0.0	12.1	24.2	36.2	48.2	60.1	75.5	107.1	138.3	169.0	199.1
77.5°	0.0	15.1	30.1	45.1	60.1	83.7	123.6	163.0	201.9	240.2	286.5
75°	0.0	18.0	36.0	54.0	75.5	123.6	171.3	218.5	267.8	334.6	400.3
72.5°	0.0	21.0	41.9	62.7	107.1	163.0	218.5	279.8	358.7	436.5	513.0
70°	0.0	23.8	47.6	74.1	138.3	201.9	267.8	358.7	448.6	537.4	633.4
67.5°	0.0	26.7	53.3	97.2	169.0	240.2	334.6	436.5	537.4	646.8	754.4
65°	0.0	29.4	58.9	119.9	199.1	286.5	400.3	513.0	633.4	754.4	872.1
62.5°	0.0	32.2	64.3	142.1	228.7	340.3	464.7	593.4	727.6	859.2	983.9
60°	0.0	34.8	69.6	163.8	257.7	392.9	527.8	674.3	820.0	958.1	1093.5
57.5°	0.0	37.4	83.6	185.0	298.1	444.2	594.9	753.3	906.9	1054.9	1210.5
55°	0.0	40.0	97.4	205.6	338.1	494.2	660.9	830.3	990.8	1152.0	1329.4
52.5°	0.0	42.4	110.7	225.6	376.9	543.6	725.0	902.1	1072.5	1256.1	1445.1
50°	0.0	44.8	123.6	244.9	414.5	595.3	787.2	971.3	1154.7	1357.2	1588.9
47.5°	0.0	47.1	136.0	265.6	450.7	645.2	846.7	1038.2	1241.4	1454.9	1731.7
45°	0.0	49.3	148.0	291.7	485.6	693.2	901.8	1102.5	1325.0	1578.0	1869.6
42.5°	0.0	51.4	159.4	316.7	519.0	739.3	954.6	1169.0	1405.2	1696.9	2032.1
40°	0.0	53.4	170.3	340.6	552.4	783.2	1005.0	1235.9	1489.7	1810.7	2192.5
37.5°	0.0	55.3	180.7	363.2	585.7	824.9	1052.9	1299.6	1585.7	1927.0	2345.5
35°	0.0	57.1	190.5	384.6	617.2	863.2	1098.3	1359.8	1676.5	2056.9	2501.7
32.5°	0.0	58.8	199.7	404.7	646.8	898.6	1142.6	1416.5	1762.1	2179.4	2665.9
30°	0.0	60.4	208.2	423.5	674.5	931.7	1187.9	1473.5	1842.3	2294.1	2819.8
27.5°	0.0	61.8	216.2	441.0	700.2	962.5	1229.9	1538.3	1924.1	2400.8	2963.1
25°	0.0	63.2	223.5	457.0	723.8	990.8	1268.6	1597.9	2010.8	2512.0	3096.9
22.5°	0.0	64.4	230.2	471.6	745.3	1016.5	1303.9	1652.3	2090.0	2619.7	3253.2
20°	0.0	65.5	236.2	484.7	764.7	1039.7	1335.6	1701.3	2161.4	2716.9	3394.4
17.5°	0.0	66.5	241.5	496.4	781.8	1060.3	1363.8	1744.9	2224.9	2803.3	3519.9
15°	0.0	67.3	246.2	506.6	796.8	1078.3	1388.4	1782.8	2280.2	2878.6	3629.5
12.5°	0.0	68.0	250.1	515.2	809.5	1093.5	1409.3	1815.1	2327.3	2942.8	3722.8
10°	0.0	68.6	253.3	522.3	820.0	1106.0	1426.5	1841.6	2366.0	2995.5	3799.5
7.5°	0.0	69.1	255.9	527.8	828.1	1115.8	1439.8	1862.3	2396.2	3036.7	3859.4
5°	0.0	69.4	257.7	531.7	833.9	1122.8	1449.4	1877.1	2417.8	3066.2	3902.4
2.5°	0.0	69.6	258.7	534.1	837.4	1127.0	1455.2	1886.0	2430.8	3083.9	3928.2
0°	0.0	69.7	259.1	534.9	838.6	1128.4	1457.1	1889.0	2435.1	3089.8	3936.8
-2.5°	0.0	69.6	258.7	534.1	837.4	1127.0	1455.2	1886.0	2430.8	3083.9	3928.2
-5°	0.0	69.4	257.7	531.7	833.9	1122.8	1449.4	1877.1	2417.8	3066.2	3902.4
-7.5°	0.0	69.1	255.9	527.8	828.1	1115.8	1439.8	1862.3	2396.2	3036.7	3859.4
-10°	0.0	68.6	253.3	522.3	820.0	1106.0	1426.5	1841.6	2366.0	2995.5	3799.5
-12.5°	0.0	68.0	250.1	515.2	809.5	1093.5	1409.3	1815.1	2327.3	2942.8	3722.8
-15°	0.0	67.3	246.2	506.6	796.8	1078.3	1388.4	1782.8	2280.2	2878.6	3629.5
-17.5°	0.0	66.5	241.5	496.4	781.8	1060.3	1363.8	1744.9	2224.9	2803.3	3519.9
-20°	0.0	65.5	236.2	484.7	764.7	1039.7	1335.6	1701.3	2161.4	2716.9	3394.4

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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	64.4	230.2	471.6	745.3	1016.5	1303.9	1652.3	2090.0	2619.7	3253.2
-25°	0.0	63.2	223.5	457.0	723.8	990.8	1268.6	1597.9	2010.8	2512.0	3096.9
-27.5°	0.0	61.8	216.2	441.0	700.2	962.5	1229.9	1538.3	1924.1	2400.8	2963.1
-30°	0.0	60.4	208.2	423.5	674.5	931.7	1187.9	1473.5	1842.3	2294.1	2819.8
-32.5°	0.0	58.8	199.7	404.7	646.8	898.6	1142.6	1416.5	1762.1	2179.4	2665.9
-35°	0.0	57.1	190.5	384.6	617.2	863.2	1098.3	1359.8	1676.5	2056.9	2501.7
-37.5°	0.0	55.3	180.7	363.2	585.7	824.9	1052.9	1299.6	1585.7	1927.0	2345.5
-40°	0.0	53.4	170.3	340.6	552.4	783.2	1005.0	1235.9	1489.7	1810.7	2192.5
-42.5°	0.0	51.4	159.4	316.7	519.0	739.3	954.6	1169.0	1405.2	1696.9	2032.1
-45°	0.0	49.3	148.0	291.7	485.6	693.2	901.8	1102.5	1325.0	1578.0	1869.6
-47.5°	0.0	47.1	136.0	265.6	450.7	645.2	846.7	1038.2	1241.4	1454.9	1731.7
-50°	0.0	44.8	123.6	244.9	414.5	595.3	787.2	971.3	1154.7	1357.2	1588.9
-52.5°	0.0	42.4	110.7	225.6	376.9	543.6	725.0	902.1	1072.5	1256.1	1445.1
-55°	0.0	40.0	97.4	205.6	338.1	494.2	660.9	830.3	990.8	1152.0	1329.4
-57.5°	0.0	37.4	83.6	185.0	298.1	444.2	594.9	753.3	906.9	1054.9	1210.5
-60°	0.0	34.8	69.6	163.8	257.7	392.9	527.8	674.3	820.0	958.1	1093.5
-62.5°	0.0	32.2	64.3	142.1	228.7	340.3	464.7	593.4	727.6	859.2	983.9
-65°	0.0	29.4	58.9	119.9	199.1	286.5	400.3	513.0	633.4	754.4	872.1
-67.5°	0.0	26.7	53.3	97.2	169.0	240.2	334.6	436.5	537.4	646.8	754.4
-70°	0.0	23.8	47.6	74.1	138.3	201.9	267.8	358.7	448.6	537.4	633.4
-72.5°	0.0	21.0	41.9	62.7	107.1	163.0	218.5	279.8	358.7	436.5	513.0
-75°	0.0	18.0	36.0	54.0	75.5	123.6	171.3	218.5	267.8	334.6	400.3
-77.5°	0.0	15.1	30.1	45.1	60.1	83.7	123.6	163.0	201.9	240.2	286.5
-80°	0.0	12.1	24.2	36.2	48.2	60.1	75.5	107.1	138.3	169.0	199.1
-82.5°	0.0	9.1	18.2	27.2	36.2	45.1	54.0	62.7	74.1	97.2	119.9
-85°	0.0	6.1	12.1	18.2	24.2	30.1	36.0	41.9	47.6	53.3	58.9
-87.5°	0.0	3.0	6.1	9.1	12.1	15.1	18.0	21.0	23.8	26.7	29.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.2	34.8	37.4	40.0	42.4	44.8	47.1	49.3	51.4	53.4	55.3
85°	64.3	69.6	83.6	97.4	110.7	123.6	136.0	148.0	159.4	170.3	180.7
82.5°	142.1	163.8	185.0	205.6	225.6	244.9	265.6	291.7	316.7	340.6	363.2
80°	228.7	257.7	298.1	338.1	376.9	414.5	450.7	485.6	519.0	552.4	585.7
77.5°	340.3	392.9	444.2	494.2	543.6	595.3	645.2	693.2	739.3	783.2	824.9
75°	464.7	527.8	594.9	660.9	725.0	787.2	846.7	901.8	954.6	1005.0	1052.9
72.5°	593.4	674.3	753.3	830.3	902.1	971.3	1038.2	1102.5	1169.0	1235.9	1299.6
70°	727.6	820.0	906.9	990.8	1072.5	1154.7	1241.4	1325.0	1405.2	1489.7	1585.7
67.5°	859.2	958.1	1054.9	1152.0	1256.1	1357.2	1454.9	1578.0	1696.9	1810.7	1927.0
65°	983.9	1093.5	1210.5	1329.4	1445.1	1588.9	1731.7	1869.6	2032.1	2192.5	2345.5
62.5°	1106.4	1240.0	1373.6	1518.9	1686.1	1848.6	2036.9	2229.1	2414.0	2622.3	2825.2
60°	1240.0	1388.4	1558.0	1744.9	1937.3	2161.4	2378.9	2619.7	2862.4	3096.9	3384.8
57.5°	1373.6	1558.0	1764.5	1987.2	2236.8	2488.6	2771.4	3045.1	3373.4	3701.4	4027.7
55°	1518.9	1744.9	1987.2	2262.0	2549.4	2863.2	3191.2	3573.4	3943.4	4355.6	4750.4
52.5°	1686.1	1937.3	2236.8	2549.4	2893.9	3271.3	3694.5	4132.2	4593.1	5040.7	5479.7
50°	1848.6	2161.4	2488.6	2863.2	3271.3	3735.0	4227.2	4737.0	5240.2	5731.1	6190.8
47.5°	2036.9	2378.9	2771.4	3191.2	3694.5	4227.2	4785.2	5340.6	5883.4	6387.0	6869.3
45°	2229.1	2619.7	3045.1	3573.4	4132.2	4737.0	5340.6	5934.4	6485.8	7006.2	7461.4
42.5°	2414.0	2862.4	3373.4	3943.4	4593.1	5240.2	5883.4	6485.8	7050.7	7551.9	8009.2
40°	2622.3	3096.9	3701.4	4355.6	5040.7	5731.1	6387.0	7006.2	7551.9	8050.9	8513.9
37.5°	2825.2	3384.8	4027.7	4750.4	5479.7	6190.8	6869.3	7461.4	8009.2	8513.9	8958.1
35°	3017.7	3658.4	4374.3	5133.0	5898.7	6621.7	7282.0	7884.9	8429.1	8918.9	9373.0
32.5°	3231.9	3917.0	4702.4	5500.6	6280.4	7016.6	7671.3	8261.0	8802.1	9299.4	9750.4
30°	3452.7	4196.0	5013.8	5846.8	6639.0	7359.1	8012.6	8609.8	9146.5	9637.8	10079.8
27.5°	3658.4	4459.1	5310.9	6160.1	6966.5	7680.2	8325.0	8912.8	9452.7	9947.3	10375.7
25°	3848.4	4702.4	5585.9	6446.9	7242.2	7957.6	8608.2	9195.6	9732.4	10207.1	10623.5
22.5°	4035.9	4925.3	5837.9	6710.0	7495.6	8205.6	8850.2	9439.2	9976.3	10446.5	10846.1
20°	4218.3	5133.0	6060.2	6943.3	7725.4	8430.9	9070.6	9658.5	10181.2	10636.5	11034.3
17.5°	4380.5	5318.0	6254.7	7131.7	7914.5	8623.3	9265.6	9855.4	10365.6	10807.9	11196.8
15°	4522.3	5479.7	6424.9	7296.7	8077.1	8783.1	9425.4	10008.8	10515.5	10954.1	11340.2
12.5°	4643.0	5617.6	6570.0	7437.5	8216.0	8919.8	9562.3	10137.6	10635.8	11068.7	11446.5
10°	4742.4	5731.1	6689.6	7553.7	8330.7	9032.8	9675.5	10244.2	10735.5	11164.0	11535.1
7.5°	4820.0	5819.8	6783.1	7644.5	8420.5	9121.3	9764.4	10328.0	10814.0	11239.0	11604.9
5°	4875.7	5883.4	6850.2	7709.7	8484.9	9184.9	9828.2	10388.3	10870.5	11293.1	11655.4
2.5°	4909.1	5921.6	6890.5	7749.0	8523.7	9223.2	9866.7	10424.7	10904.6	11325.8	11685.9
0°	4920.3	5934.4	6904.0	7762.1	8536.7	9236.0	9879.6	10436.8	10916.0	11336.7	11696.1
-2.5°	4909.1	5921.6	6890.5	7749.0	8523.7	9223.2	9866.7	10424.7	10904.6	11325.8	11685.9
-5°	4875.7	5883.4	6850.2	7709.7	8484.9	9184.9	9828.2	10388.3	10870.5	11293.1	11655.4
-7.5°	4820.0	5819.8	6783.1	7644.5	8420.5	9121.3	9764.4	10328.0	10814.0	11239.0	11604.9
-10°	4742.4	5731.1	6689.6	7553.7	8330.7	9032.8	9675.5	10244.2	10735.5	11164.0	11535.1
-12.5°	4643.0	5617.6	6570.0	7437.5	8216.0	8919.8	9562.3	10137.6	10635.8	11068.7	11446.5
-15°	4522.3	5479.7	6424.9	7296.7	8077.1	8783.1	9425.4	10008.8	10515.5	10954.1	11340.2
-17.5°	4380.5	5318.0	6254.7	7131.7	7914.5	8623.3	9265.6	9855.4	10365.6	10807.9	11196.8
-20°	4218.3	5133.0	6060.2	6943.3	7725.4	8430.9	9070.6	9658.5	10181.2	10636.5	11034.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-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°	4035.9	4925.3	5837.9	6710.0	7495.6	8205.6	8850.2	9439.2	9976.3	10446.5	10846.1
-25°	3848.4	4702.4	5585.9	6446.9	7242.2	7957.6	8608.2	9195.6	9732.4	10207.1	10623.5
-27.5°	3658.4	4459.1	5310.9	6160.1	6966.5	7680.2	8325.0	8912.8	9452.7	9947.3	10375.7
-30°	3452.7	4196.0	5013.8	5846.8	6639.0	7359.1	8012.6	8609.8	9146.5	9637.8	10079.8
-32.5°	3231.9	3917.0	4702.4	5500.6	6280.4	7016.6	7671.3	8261.0	8802.1	9299.4	9750.4
-35°	3017.7	3658.4	4374.3	5133.0	5898.7	6621.7	7282.0	7884.9	8429.1	8918.9	9373.0
-37.5°	2825.2	3384.8	4027.7	4750.4	5479.7	6190.8	6869.3	7461.4	8009.2	8513.9	8958.1
-40°	2622.3	3096.9	3701.4	4355.6	5040.7	5731.1	6387.0	7006.2	7551.9	8050.9	8513.9
-42.5°	2414.0	2862.4	3373.4	3943.4	4593.1	5240.2	5883.4	6485.8	7050.7	7551.9	8009.2
-45°	2229.1	2619.7	3045.1	3573.4	4132.2	4737.0	5340.6	5934.4	6485.8	7006.2	7461.4
-47.5°	2036.9	2378.9	2771.4	3191.2	3694.5	4227.2	4785.2	5340.6	5883.4	6387.0	6869.3
-50°	1848.6	2161.4	2488.6	2863.2	3271.3	3735.0	4227.2	4737.0	5240.2	5731.1	6190.8
-52.5°	1686.1	1937.3	2236.8	2549.4	2893.9	3271.3	3694.5	4132.2	4593.1	5040.7	5479.7
-55°	1518.9	1744.9	1987.2	2262.0	2549.4	2863.2	3191.2	3573.4	3943.4	4355.6	4750.4
-57.5°	1373.6	1558.0	1764.5	1987.2	2236.8	2488.6	2771.4	3045.1	3373.4	3701.4	4027.7
-60°	1240.0	1388.4	1558.0	1744.9	1937.3	2161.4	2378.9	2619.7	2862.4	3096.9	3384.8
-62.5°	1106.4	1240.0	1373.6	1518.9	1686.1	1848.6	2036.9	2229.1	2414.0	2622.3	2825.2
-65°	983.9	1093.5	1210.5	1329.4	1445.1	1588.9	1731.7	1869.6	2032.1	2192.5	2345.5
-67.5°	859.2	958.1	1054.9	1152.0	1256.1	1357.2	1454.9	1578.0	1696.9	1810.7	1927.0
-70°	727.6	820.0	906.9	990.8	1072.5	1154.7	1241.4	1325.0	1405.2	1489.7	1585.7
-72.5°	593.4	674.3	753.3	830.3	902.1	971.3	1038.2	1102.5	1169.0	1235.9	1299.6
-75°	464.7	527.8	594.9	660.9	725.0	787.2	846.7	901.8	954.6	1005.0	1052.9
-77.5°	340.3	392.9	444.2	494.2	543.6	595.3	645.2	693.2	739.3	783.2	824.9
-80°	228.7	257.7	298.1	338.1	376.9	414.5	450.7	485.6	519.0	552.4	585.7
-82.5°	142.1	163.8	185.0	205.6	225.6	244.9	265.6	291.7	316.7	340.6	363.2
-85°	64.3	69.6	83.6	97.4	110.7	123.6	136.0	148.0	159.4	170.3	180.7
-87.5°	32.2	34.8	37.4	40.0	42.4	44.8	47.1	49.3	51.4	53.4	55.3
-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: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-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°	57.1	58.8	60.4	61.8	63.2	64.4	65.5	66.5	67.3	68.0	68.6
85°	190.5	199.7	208.2	216.2	223.5	230.2	236.2	241.5	246.2	250.1	253.3
82.5°	384.6	404.7	423.5	441.0	457.0	471.6	484.7	496.4	506.6	515.2	522.3
80°	617.2	646.8	674.5	700.2	723.8	745.3	764.7	781.8	796.8	809.5	820.0
77.5°	863.2	898.6	931.7	962.5	990.8	1016.5	1039.7	1060.3	1078.3	1093.5	1106.0
75°	1098.3	1142.6	1187.9	1229.9	1268.6	1303.9	1335.6	1363.8	1388.4	1409.3	1426.5
72.5°	1359.8	1416.5	1473.5	1538.3	1597.9	1652.3	1701.3	1744.9	1782.8	1815.1	1841.6
70°	1676.5	1762.1	1842.3	1924.1	2010.8	2090.0	2161.4	2224.9	2280.2	2327.3	2366.0
67.5°	2056.9	2179.4	2294.1	2400.8	2512.0	2619.7	2716.9	2803.3	2878.6	2942.8	2995.5
65°	2501.7	2665.9	2819.8	2963.1	3096.9	3253.2	3394.4	3519.9	3629.5	3722.8	3799.5
62.5°	3017.7	3231.9	3452.7	3658.4	3848.4	4035.9	4218.3	4380.5	4522.3	4643.0	4742.4
60°	3658.4	3917.0	4196.0	4459.1	4702.4	4925.3	5133.0	5318.0	5479.7	5617.6	5731.1
57.5°	4374.3	4702.4	5013.8	5310.9	5585.9	5837.9	6060.2	6254.7	6424.9	6570.0	6689.6
55°	5133.0	5500.6	5846.8	6160.1	6446.9	6710.0	6943.3	7131.7	7296.7	7437.5	7553.7
52.5°	5898.7	6280.4	6639.0	6966.5	7242.2	7495.6	7725.4	7914.5	8077.1	8216.0	8330.7
50°	6621.7	7016.6	7359.1	7680.2	7957.6	8205.6	8430.9	8623.3	8783.1	8919.8	9032.8
47.5°	7282.0	7671.3	8012.6	8325.0	8608.2	8850.2	9070.6	9265.6	9425.4	9562.3	9675.5
45°	7884.9	8261.0	8609.8	8912.8	9195.6	9439.2	9658.5	9855.4	10008.8	10137.6	10244.2
42.5°	8429.1	8802.1	9146.5	9452.7	9732.4	9976.3	10181.2	10365.6	10515.5	10635.8	10735.5
40°	8918.9	9299.4	9637.8	9947.3	10207.1	10446.5	10636.5	10807.9	10954.1	11068.7	11164.0
37.5°	9373.0	9750.4	10079.8	10375.7	10623.5	10846.1	11034.3	11196.8	11340.2	11446.5	11535.1
35°	9788.2	10146.8	10472.6	10743.8	10989.5	11199.2	11384.4	11534.3	11667.6	11768.9	11849.6
32.5°	10146.8	10502.3	10804.8	11071.8	11311.7	11507.3	11685.0	11822.3	11943.2	12040.7	12115.8
30°	10472.6	10804.8	11099.5	11364.0	11582.5	11773.1	11933.0	12067.2	12178.9	12272.0	12337.9
27.5°	10743.8	11071.8	11364.0	11607.9	11817.0	12000.5	12146.9	12276.0	12373.6	12459.1	12515.9
25°	10989.5	11311.7	11582.5	11817.0	12020.0	12187.6	12326.9	12443.8	12530.3	12603.6	12645.9
22.5°	11199.2	11507.3	11773.1	12000.5	12187.6	12344.1	12475.4	12574.4	12645.2	12689.6	12714.6
20°	11384.4	11685.0	11933.0	12146.9	12326.9	12475.4	12589.4	12662.6	12712.0	12724.1	12731.3
17.5°	11534.3	11822.3	12067.2	12276.0	12443.8	12574.4	12662.6	12714.3	12729.1	12726.4	12719.0
15°	11667.6	11943.2	12178.9	12373.6	12530.3	12645.2	12712.0	12729.1	12724.7	12709.8	12686.8
12.5°	11768.9	12040.7	12272.0	12459.1	12603.6	12689.6	12724.1	12726.4	12709.8	12681.3	12648.7
10°	11849.6	12115.8	12337.9	12515.9	12645.9	12714.6	12731.3	12719.0	12686.8	12648.7	12612.6
7.5°	11913.5	12175.3	12390.4	12561.2	12673.5	12722.3	12725.9	12702.9	12664.2	12620.9	12581.8
5°	11959.7	12218.5	12428.5	12594.2	12693.8	12728.0	12721.9	12690.2	12645.4	12600.1	12564.3
2.5°	11987.6	12244.6	12451.7	12614.3	12706.1	12731.4	12719.4	12682.3	12633.6	12586.7	12552.8
0°	11997.0	12253.4	12459.5	12621.1	12710.3	12732.6	12718.6	12679.6	12629.5	12582.1	12548.7
-2.5°	11987.6	12244.6	12451.7	12614.3	12706.1	12731.4	12719.4	12682.3	12633.6	12586.7	12552.8
-5°	11959.7	12218.5	12428.5	12594.2	12693.8	12728.0	12721.9	12690.2	12645.4	12600.1	12564.3
-7.5°	11913.5	12175.3	12390.4	12561.2	12673.5	12722.3	12725.9	12702.9	12664.2	12620.9	12581.8
-10°	11849.6	12115.8	12337.9	12515.9	12645.9	12714.6	12731.3	12719.0	12686.8	12648.7	12612.6
-12.5°	11768.9	12040.7	12272.0	12459.1	12603.6	12689.6	12724.1	12726.4	12709.8	12681.3	12648.7
-15°	11667.6	11943.2	12178.9	12373.6	12530.3	12645.2	12712.0	12729.1	12724.7	12709.8	12686.8
-17.5°	11534.3	11822.3	12067.2	12276.0	12443.8	12574.4	12662.6	12714.3	12729.1	12726.4	12719.0
-20°	11384.4	11685.0	11933.0	12146.9	12326.9	12475.4	12589.4	12662.6	12712.0	12724.1	12731.3



REPORT NUMBER: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-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°	11199.2	11507.3	11773.1	12000.5	12187.6	12344.1	12475.4	12574.4	12645.2	12689.6	12714.6
-25°	10989.5	11311.7	11582.5	11817.0	12020.0	12187.6	12326.9	12443.8	12530.3	12603.6	12645.9
-27.5°	10743.8	11071.8	11364.0	11607.9	11817.0	12000.5	12146.9	12276.0	12373.6	12459.1	12515.9
-30°	10472.6	10804.8	11099.5	11364.0	11582.5	11773.1	11933.0	12067.2	12178.9	12272.0	12337.9
-32.5°	10146.8	10502.3	10804.8	11071.8	11311.7	11507.3	11685.0	11822.3	11943.2	12040.7	12115.8
-35°	9788.2	10146.8	10472.6	10743.8	10989.5	11199.2	11384.4	11534.3	11667.6	11768.9	11849.6
-37.5°	9373.0	9750.4	10079.8	10375.7	10623.5	10846.1	11034.3	11196.8	11340.2	11446.5	11535.1
-40°	8918.9	9299.4	9637.8	9947.3	10207.1	10446.5	10636.5	10807.9	10954.1	11068.7	11164.0
-42.5°	8429.1	8802.1	9146.5	9452.7	9732.4	9976.3	10181.2	10365.6	10515.5	10635.8	10735.5
-45°	7884.9	8261.0	8609.8	8912.8	9195.6	9439.2	9658.5	9855.4	10008.8	10137.6	10244.2
-47.5°	7282.0	7671.3	8012.6	8325.0	8608.2	8850.2	9070.6	9265.6	9425.4	9562.3	9675.5
-50°	6621.7	7016.6	7359.1	7680.2	7957.6	8205.6	8430.9	8623.3	8783.1	8919.8	9032.8
-52.5°	5898.7	6280.4	6639.0	6966.5	7242.2	7495.6	7725.4	7914.5	8077.1	8216.0	8330.7
-55°	5133.0	5500.6	5846.8	6160.1	6446.9	6710.0	6943.3	7131.7	7296.7	7437.5	7553.7
-57.5°	4374.3	4702.4	5013.8	5310.9	5585.9	5837.9	6060.2	6254.7	6424.9	6570.0	6689.6
-60°	3658.4	3917.0	4196.0	4459.1	4702.4	4925.3	5133.0	5318.0	5479.7	5617.6	5731.1
-62.5°	3017.7	3231.9	3452.7	3658.4	3848.4	4035.9	4218.3	4380.5	4522.3	4643.0	4742.4
-65°	2501.7	2665.9	2819.8	2963.1	3096.9	3253.2	3394.4	3519.9	3629.5	3722.8	3799.5
-67.5°	2056.9	2179.4	2294.1	2400.8	2512.0	2619.7	2716.9	2803.3	2878.6	2942.8	2995.5
-70°	1676.5	1762.1	1842.3	1924.1	2010.8	2090.0	2161.4	2224.9	2280.2	2327.3	2366.0
-72.5°	1359.8	1416.5	1473.5	1538.3	1597.9	1652.3	1701.3	1744.9	1782.8	1815.1	1841.6
-75°	1098.3	1142.6	1187.9	1229.9	1268.6	1303.9	1335.6	1363.8	1388.4	1409.3	1426.5
-77.5°	863.2	898.6	931.7	962.5	990.8	1016.5	1039.7	1060.3	1078.3	1093.5	1106.0
-80°	617.2	646.8	674.5	700.2	723.8	745.3	764.7	781.8	796.8	809.5	820.0
-82.5°	384.6	404.7	423.5	441.0	457.0	471.6	484.7	496.4	506.6	515.2	522.3
-85°	190.5	199.7	208.2	216.2	223.5	230.2	236.2	241.5	246.2	250.1	253.3
-87.5°	57.1	58.8	60.4	61.8	63.2	64.4	65.5	66.5	67.3	68.0	68.6
-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: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-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°	69.1	69.4	69.6	69.7	69.6	69.4	69.1	68.6	68.0	67.3	66.5
85°	255.9	257.7	258.7	259.1	258.7	257.7	255.9	253.3	250.1	246.2	241.5
82.5°	527.8	531.7	534.1	534.9	534.1	531.7	527.8	522.3	515.2	506.6	496.4
80°	828.1	833.9	837.4	838.6	837.4	833.9	828.1	820.0	809.5	796.8	781.8
77.5°	1115.8	1122.8	1127.0	1128.4	1127.0	1122.8	1115.8	1106.0	1093.5	1078.3	1060.3
75°	1439.8	1449.4	1455.2	1457.1	1455.2	1449.4	1439.8	1426.5	1409.3	1388.4	1363.8
72.5°	1862.3	1877.1	1886.0	1889.0	1886.0	1877.1	1862.3	1841.6	1815.1	1782.8	1744.9
70°	2396.2	2417.8	2430.8	2435.1	2430.8	2417.8	2396.2	2366.0	2327.3	2280.2	2224.9
67.5°	3036.7	3066.2	3083.9	3089.8	3083.9	3066.2	3036.7	2995.5	2942.8	2878.6	2803.3
65°	3859.4	3902.4	3928.2	3936.8	3928.2	3902.4	3859.4	3799.5	3722.8	3629.5	3519.9
62.5°	4820.0	4875.7	4909.1	4920.3	4909.1	4875.7	4820.0	4742.4	4643.0	4522.3	4380.5
60°	5819.8	5883.4	5921.6	5934.4	5921.6	5883.4	5819.8	5731.1	5617.6	5479.7	5318.0
57.5°	6783.1	6850.2	6890.5	6904.0	6890.5	6850.2	6783.1	6689.6	6570.0	6424.9	6254.7
55°	7644.5	7709.7	7749.0	7762.1	7749.0	7709.7	7644.5	7553.7	7437.5	7296.7	7131.7
52.5°	8420.5	8484.9	8523.7	8536.7	8523.7	8484.9	8420.5	8330.7	8216.0	8077.1	7914.5
50°	9121.3	9184.9	9223.2	9236.0	9223.2	9184.9	9121.3	9032.8	8919.8	8783.1	8623.3
47.5°	9764.4	9828.2	9866.7	9879.6	9866.7	9828.2	9764.4	9675.5	9562.3	9425.4	9265.6
45°	10328.0	10388.3	10424.7	10436.8	10424.7	10388.3	10328.0	10244.2	10137.6	10008.8	9855.4
42.5°	10814.0	10870.5	10904.6	10916.0	10904.6	10870.5	10814.0	10735.5	10635.8	10515.5	10365.6
40°	11239.0	11293.1	11325.8	11336.7	11325.8	11293.1	11239.0	11164.0	11068.7	10954.1	10807.9
37.5°	11604.9	11655.4	11685.9	11696.1	11685.9	11655.4	11604.9	11535.1	11446.5	11340.2	11196.8
35°	11913.5	11959.7	11987.6	11997.0	11987.6	11959.7	11913.5	11849.6	11768.9	11667.6	11534.3
32.5°	12175.3	12218.5	12244.6	12253.4	12244.6	12218.5	12175.3	12115.8	12040.7	11943.2	11822.3
30°	12390.4	12428.5	12451.7	12459.5	12451.7	12428.5	12390.4	12337.9	12272.0	12178.9	12067.2
27.5°	12561.2	12594.2	12614.3	12621.1	12614.3	12594.2	12561.2	12515.9	12459.1	12373.6	12276.0
25°	12673.5	12693.8	12706.1	12710.3	12706.1	12693.8	12673.5	12645.9	12603.6	12530.3	12443.8
22.5°	12722.3	12728.0	12731.4	12732.6	12731.4	12728.0	12722.3	12714.6	12689.6	12645.2	12574.4
20°	12725.9	12721.9	12719.4	12718.6	12719.4	12721.9	12725.9	12731.3	12724.1	12712.0	12662.6
17.5°	12702.9	12690.2	12682.3	12679.6	12682.3	12690.2	12702.9	12719.0	12726.4	12729.1	12714.3
15°	12664.2	12645.4	12633.6	12629.5	12633.6	12645.4	12664.2	12686.8	12709.8	12724.7	12729.1
12.5°	12620.9	12600.1	12586.7	12582.1	12586.7	12600.1	12620.9	12648.7	12681.3	12709.8	12726.4
10°	12581.8	12564.3	12552.8	12548.7	12552.8	12564.3	12581.8	12612.6	12648.7	12686.8	12719.0
7.5°	12556.6	12540.9	12532.3	12529.2	12532.3	12540.9	12556.6	12581.8	12620.9	12664.2	12702.9
5°	12540.9	12525.3	12512.2	12506.9	12512.2	12525.3	12540.9	12564.3	12600.1	12645.4	12690.2
2.5°	12532.3	12512.2	12492.2	12481.8	12492.2	12512.2	12532.3	12552.8	12586.7	12633.6	12682.3
0°	12529.2	12506.9	12481.8	12484.6	12481.8	12506.9	12529.2	12548.7	12582.1	12629.5	12679.6
-2.5°	12532.3	12512.2	12492.2	12481.8	12492.2	12512.2	12532.3	12552.8	12586.7	12633.6	12682.3
-5°	12540.9	12525.3	12512.2	12506.9	12512.2	12525.3	12540.9	12564.3	12600.1	12645.4	12690.2
-7.5°	12556.6	12540.9	12532.3	12529.2	12532.3	12540.9	12556.6	12581.8	12620.9	12664.2	12702.9
-10°	12581.8	12564.3	12552.8	12548.7	12552.8	12564.3	12581.8	12612.6	12648.7	12686.8	12719.0
-12.5°	12620.9	12600.1	12586.7	12582.1	12586.7	12600.1	12620.9	12648.7	12681.3	12709.8	12726.4
-15°	12664.2	12645.4	12633.6	12629.5	12633.6	12645.4	12664.2	12686.8	12709.8	12724.7	12729.1
-17.5°	12702.9	12690.2	12682.3	12679.6	12682.3	12690.2	12702.9	12719.0	12726.4	12729.1	12714.3
-20°	12725.9	12721.9	12719.4	12718.6	12719.4	12721.9	12725.9	12731.3	12724.1	12712.0	12662.6



REPORT NUMBER: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-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°	12722.3	12728.0	12731.4	12732.6	12731.4	12728.0	12722.3	12714.6	12689.6	12645.2	12574.4
-25°	12673.5	12693.8	12706.1	12710.3	12706.1	12693.8	12673.5	12645.9	12603.6	12530.3	12443.8
-27.5°	12561.2	12594.2	12614.3	12621.1	12614.3	12594.2	12561.2	12515.9	12459.1	12373.6	12276.0
-30°	12390.4	12428.5	12451.7	12459.5	12451.7	12428.5	12390.4	12337.9	12272.0	12178.9	12067.2
-32.5°	12175.3	12218.5	12244.6	12253.4	12244.6	12218.5	12175.3	12115.8	12040.7	11943.2	11822.3
-35°	11913.5	11959.7	11987.6	11997.0	11987.6	11959.7	11913.5	11849.6	11768.9	11667.6	11534.3
-37.5°	11604.9	11655.4	11685.9	11696.1	11685.9	11655.4	11604.9	11535.1	11446.5	11340.2	11196.8
-40°	11239.0	11293.1	11325.8	11336.7	11325.8	11293.1	11239.0	11164.0	11068.7	10954.1	10807.9
-42.5°	10814.0	10870.5	10904.6	10916.0	10904.6	10870.5	10814.0	10735.5	10635.8	10515.5	10365.6
-45°	10328.0	10388.3	10424.7	10436.8	10424.7	10388.3	10328.0	10244.2	10137.6	10008.8	9855.4
-47.5°	9764.4	9828.2	9866.7	9879.6	9866.7	9828.2	9764.4	9675.5	9562.3	9425.4	9265.6
-50°	9121.3	9184.9	9223.2	9236.0	9223.2	9184.9	9121.3	9032.8	8919.8	8783.1	8623.3
-52.5°	8420.5	8484.9	8523.7	8536.7	8523.7	8484.9	8420.5	8330.7	8216.0	8077.1	7914.5
-55°	7644.5	7709.7	7749.0	7762.1	7749.0	7709.7	7644.5	7553.7	7437.5	7296.7	7131.7
-57.5°	6783.1	6850.2	6890.5	6904.0	6890.5	6850.2	6783.1	6689.6	6570.0	6424.9	6254.7
-60°	5819.8	5883.4	5921.6	5934.4	5921.6	5883.4	5819.8	5731.1	5617.6	5479.7	5318.0
-62.5°	4820.0	4875.7	4909.1	4920.3	4909.1	4875.7	4820.0	4742.4	4643.0	4522.3	4380.5
-65°	3859.4	3902.4	3928.2	3936.8	3928.2	3902.4	3859.4	3799.5	3722.8	3629.5	3519.9
-67.5°	3036.7	3066.2	3083.9	3089.8	3083.9	3066.2	3036.7	2995.5	2942.8	2878.6	2803.3
-70°	2396.2	2417.8	2430.8	2435.1	2430.8	2417.8	2396.2	2366.0	2327.3	2280.2	2224.9
-72.5°	1862.3	1877.1	1886.0	1889.0	1886.0	1877.1	1862.3	1841.6	1815.1	1782.8	1744.9
-75°	1439.8	1449.4	1455.2	1457.1	1455.2	1449.4	1439.8	1426.5	1409.3	1388.4	1363.8
-77.5°	1115.8	1122.8	1127.0	1128.4	1127.0	1122.8	1115.8	1106.0	1093.5	1078.3	1060.3
-80°	828.1	833.9	837.4	838.6	837.4	833.9	828.1	820.0	809.5	796.8	781.8
-82.5°	527.8	531.7	534.1	534.9	534.1	531.7	527.8	522.3	515.2	506.6	496.4
-85°	255.9	257.7	258.7	259.1	258.7	257.7	255.9	253.3	250.1	246.2	241.5
-87.5°	69.1	69.4	69.6	69.7	69.6	69.4	69.1	68.6	68.0	67.3	66.5
-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: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-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°	65.5	64.4	63.2	61.8	60.4	58.8	57.1	55.3	53.4	51.4	49.3
85°	236.2	230.2	223.5	216.2	208.2	199.7	190.5	180.7	170.3	159.4	148.0
82.5°	484.7	471.6	457.0	441.0	423.5	404.7	384.6	363.2	340.6	316.7	291.7
80°	764.7	745.3	723.8	700.2	674.5	646.8	617.2	585.7	552.4	519.0	485.6
77.5°	1039.7	1016.5	990.8	962.5	931.7	898.6	863.2	824.9	783.2	739.3	693.2
75°	1335.6	1303.9	1268.6	1229.9	1187.9	1142.6	1098.3	1052.9	1005.0	954.6	901.8
72.5°	1701.3	1652.3	1597.9	1538.3	1473.5	1416.5	1359.8	1299.6	1235.9	1169.0	1102.5
70°	2161.4	2090.0	2010.8	1924.1	1842.3	1762.1	1676.5	1585.7	1489.7	1405.2	1325.0
67.5°	2716.9	2619.7	2512.0	2400.8	2294.1	2179.4	2056.9	1927.0	1810.7	1696.9	1578.0
65°	3394.4	3253.2	3096.9	2963.1	2819.8	2665.9	2501.7	2345.5	2192.5	2032.1	1869.6
62.5°	4218.3	4035.9	3848.4	3658.4	3452.7	3231.9	3017.7	2825.2	2622.3	2414.0	2229.1
60°	5133.0	4925.3	4702.4	4459.1	4196.0	3917.0	3658.4	3384.8	3096.9	2862.4	2619.7
57.5°	6060.2	5837.9	5585.9	5310.9	5013.8	4702.4	4374.3	4027.7	3701.4	3373.4	3045.1
55°	6943.3	6710.0	6446.9	6160.1	5846.8	5500.6	5133.0	4750.4	4355.6	3943.4	3573.4
52.5°	7725.4	7495.6	7242.2	6966.5	6639.0	6280.4	5898.7	5479.7	5040.7	4593.1	4132.2
50°	8430.9	8205.6	7957.6	7680.2	7359.1	7016.6	6621.7	6190.8	5731.1	5240.2	4737.0
47.5°	9070.6	8850.2	8608.2	8325.0	8012.6	7671.3	7282.0	6869.3	6387.0	5883.4	5340.6
45°	9658.5	9439.2	9195.6	8912.8	8609.8	8261.0	7884.9	7461.4	7006.2	6485.8	5934.4
42.5°	10181.2	9976.3	9732.4	9452.7	9146.5	8802.1	8429.1	8009.2	7551.9	7050.7	6485.8
40°	10636.5	10446.5	10207.1	9947.3	9637.8	9299.4	8918.9	8513.9	8050.9	7551.9	7006.2
37.5°	11034.3	10846.1	10623.5	10375.7	10079.8	9750.4	9373.0	8958.1	8513.9	8009.2	7461.4
35°	11384.4	11199.2	10989.5	10743.8	10472.6	10146.8	9788.2	9373.0	8918.9	8429.1	7884.9
32.5°	11685.0	11507.3	11311.7	11071.8	10804.8	10502.3	10146.8	9750.4	9299.4	8802.1	8261.0
30°	11933.0	11773.1	11582.5	11364.0	11099.5	10804.8	10472.6	10079.8	9637.8	9146.5	8609.8
27.5°	12146.9	12000.5	11817.0	11607.9	11364.0	11071.8	10743.8	10375.7	9947.3	9452.7	8912.8
25°	12326.9	12187.6	12020.0	11817.0	11582.5	11311.7	10989.5	10623.5	10207.1	9732.4	9195.6
22.5°	12475.4	12344.1	12187.6	12000.5	11773.1	11507.3	11199.2	10846.1	10446.5	9976.3	9439.2
20°	12589.4	12475.4	12326.9	12146.9	11933.0	11685.0	11384.4	11034.3	10636.5	10181.2	9658.5
17.5°	12662.6	12574.4	12443.8	12276.0	12067.2	11822.3	11534.3	11196.8	10807.9	10365.6	9855.4
15°	12712.0	12645.2	12530.3	12373.6	12178.9	11943.2	11667.6	11340.2	10954.1	10515.5	10008.8
12.5°	12724.1	12689.6	12603.6	12459.1	12272.0	12040.7	11768.9	11446.5	11068.7	10635.8	10137.6
10°	12731.3	12714.6	12645.9	12515.9	12337.9	12115.8	11849.6	11535.1	11164.0	10735.5	10244.2
7.5°	12725.9	12722.3	12673.5	12561.2	12390.4	12175.3	11913.5	11604.9	11239.0	10814.0	10328.0
5°	12721.9	12728.0	12693.8	12594.2	12428.5	12218.5	11959.7	11655.4	11293.1	10870.5	10388.3
2.5°	12719.4	12731.4	12706.1	12614.3	12451.7	12244.6	11987.6	11685.9	11325.8	10904.6	10424.7
0°	12718.6	12732.6	12710.3	12621.1	12459.5	12253.4	11997.0	11696.1	11336.7	10916.0	10436.8
-2.5°	12719.4	12731.4	12706.1	12614.3	12451.7	12244.6	11987.6	11685.9	11325.8	10904.6	10424.7
-5°	12721.9	12728.0	12693.8	12594.2	12428.5	12218.5	11959.7	11655.4	11293.1	10870.5	10388.3
-7.5°	12725.9	12722.3	12673.5	12561.2	12390.4	12175.3	11913.5	11604.9	11239.0	10814.0	10328.0
-10°	12731.3	12714.6	12645.9	12515.9	12337.9	12115.8	11849.6	11535.1	11164.0	10735.5	10244.2
-12.5°	12724.1	12689.6	12603.6	12459.1	12272.0	12040.7	11768.9	11446.5	11068.7	10635.8	10137.6
-15°	12712.0	12645.2	12530.3	12373.6	12178.9	11943.2	11667.6	11340.2	10954.1	10515.5	10008.8
-17.5°	12662.6	12574.4	12443.8	12276.0	12067.2	11822.3	11534.3	11196.8	10807.9	10365.6	9855.4
-20°	12589.4	12475.4	12326.9	12146.9	11933.0	11685.0	11384.4	11034.3	10636.5	10181.2	9658.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5E-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°	12475.4	12344.1	12187.6	12000.5	11773.1	11507.3	11199.2	10846.1	10446.5	9976.3	9439.2
-25°	12326.9	12187.6	12020.0	11817.0	11582.5	11311.7	10989.5	10623.5	10207.1	9732.4	9195.6
-27.5°	12146.9	12000.5	11817.0	11607.9	11364.0	11071.8	10743.8	10375.7	9947.3	9452.7	8912.8
-30°	11933.0	11773.1	11582.5	11364.0	11099.5	10804.8	10472.6	10079.8	9637.8	9146.5	8609.8
-32.5°	11685.0	11507.3	11311.7	11071.8	10804.8	10502.3	10146.8	9750.4	9299.4	8802.1	8261.0
-35°	11384.4	11199.2	10989.5	10743.8	10472.6	10146.8	9788.2	9373.0	8918.9	8429.1	7884.9
-37.5°	11034.3	10846.1	10623.5	10375.7	10079.8	9750.4	9373.0	8958.1	8513.9	8009.2	7461.4
-40°	10636.5	10446.5	10207.1	9947.3	9637.8	9299.4	8918.9	8513.9	8050.9	7551.9	7006.2
-42.5°	10181.2	9976.3	9732.4	9452.7	9146.5	8802.1	8429.1	8009.2	7551.9	7050.7	6485.8
-45°	9658.5	9439.2	9195.6	8912.8	8609.8	8261.0	7884.9	7461.4	7006.2	6485.8	5934.4
-47.5°	9070.6	8850.2	8608.2	8325.0	8012.6	7671.3	7282.0	6869.3	6387.0	5883.4	5340.6
-50°	8430.9	8205.6	7957.6	7680.2	7359.1	7016.6	6621.7	6190.8	5731.1	5240.2	4737.0
-52.5°	7725.4	7495.6	7242.2	6966.5	6639.0	6280.4	5898.7	5479.7	5040.7	4593.1	4132.2
-55°	6943.3	6710.0	6446.9	6160.1	5846.8	5500.6	5133.0	4750.4	4355.6	3943.4	3573.4
-57.5°	6060.2	5837.9	5585.9	5310.9	5013.8	4702.4	4374.3	4027.7	3701.4	3373.4	3045.1
-60°	5133.0	4925.3	4702.4	4459.1	4196.0	3917.0	3658.4	3384.8	3096.9	2862.4	2619.7
-62.5°	4218.3	4035.9	3848.4	3658.4	3452.7	3231.9	3017.7	2825.2	2622.3	2414.0	2229.1
-65°	3394.4	3253.2	3096.9	2963.1	2819.8	2665.9	2501.7	2345.5	2192.5	2032.1	1869.6
-67.5°	2716.9	2619.7	2512.0	2400.8	2294.1	2179.4	2056.9	1927.0	1810.7	1696.9	1578.0
-70°	2161.4	2090.0	2010.8	1924.1	1842.3	1762.1	1676.5	1585.7	1489.7	1405.2	1325.0
-72.5°	1701.3	1652.3	1597.9	1538.3	1473.5	1416.5	1359.8	1299.6	1235.9	1169.0	1102.5
-75°	1335.6	1303.9	1268.6	1229.9	1187.9	1142.6	1098.3	1052.9	1005.0	954.6	901.8
-77.5°	1039.7	1016.5	990.8	962.5	931.7	898.6	863.2	824.9	783.2	739.3	693.2
-80°	764.7	745.3	723.8	700.2	674.5	646.8	617.2	585.7	552.4	519.0	485.6
-82.5°	484.7	471.6	457.0	441.0	423.5	404.7	384.6	363.2	340.6	316.7	291.7
-85°	236.2	230.2	223.5	216.2	208.2	199.7	190.5	180.7	170.3	159.4	148.0
-87.5°	65.5	64.4	63.2	61.8	60.4	58.8	57.1	55.3	53.4	51.4	49.3
-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: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-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°	47.1	44.8	42.4	40.0	37.4	34.8	32.2	29.4	26.7	23.8	21.0
85°	136.0	123.6	110.7	97.4	83.6	69.6	64.3	58.9	53.3	47.6	41.9
82.5°	265.6	244.9	225.6	205.6	185.0	163.8	142.1	119.9	97.2	74.1	62.7
80°	450.7	414.5	376.9	338.1	298.1	257.7	228.7	199.1	169.0	138.3	107.1
77.5°	645.2	595.3	543.6	494.2	444.2	392.9	340.3	286.5	240.2	201.9	163.0
75°	846.7	787.2	725.0	660.9	594.9	527.8	464.7	400.3	334.6	267.8	218.5
72.5°	1038.2	971.3	902.1	830.3	753.3	674.3	593.4	513.0	436.5	358.7	279.8
70°	1241.4	1154.7	1072.5	990.8	906.9	820.0	727.6	633.4	537.4	448.6	358.7
67.5°	1454.9	1357.2	1256.1	1152.0	1054.9	958.1	859.2	754.4	646.8	537.4	436.5
65°	1731.7	1588.9	1445.1	1329.4	1210.5	1093.5	983.9	872.1	754.4	633.4	513.0
62.5°	2036.9	1848.6	1686.1	1518.9	1373.6	1240.0	1106.4	983.9	859.2	727.6	593.4
60°	2378.9	2161.4	1937.3	1744.9	1558.0	1388.4	1240.0	1093.5	958.1	820.0	674.3
57.5°	2771.4	2488.6	2236.8	1987.2	1764.5	1558.0	1373.6	1210.5	1054.9	906.9	753.3
55°	3191.2	2863.2	2549.4	2262.0	1987.2	1744.9	1518.9	1329.4	1152.0	990.8	830.3
52.5°	3694.5	3271.3	2893.9	2549.4	2236.8	1937.3	1686.1	1445.1	1256.1	1072.5	902.1
50°	4227.2	3735.0	3271.3	2863.2	2488.6	2161.4	1848.6	1588.9	1357.2	1154.7	971.3
47.5°	4785.2	4227.2	3694.5	3191.2	2771.4	2378.9	2036.9	1731.7	1454.9	1241.4	1038.2
45°	5340.6	4737.0	4132.2	3573.4	3045.1	2619.7	2229.1	1869.6	1578.0	1325.0	1102.5
42.5°	5883.4	5240.2	4593.1	3943.4	3373.4	2862.4	2414.0	2032.1	1696.9	1405.2	1169.0
40°	6387.0	5731.1	5040.7	4355.6	3701.4	3096.9	2622.3	2192.5	1810.7	1489.7	1235.9
37.5°	6869.3	6190.8	5479.7	4750.4	4027.7	3384.8	2825.2	2345.5	1927.0	1585.7	1299.6
35°	7282.0	6621.7	5898.7	5133.0	4374.3	3658.4	3017.7	2501.7	2056.9	1676.5	1359.8
32.5°	7671.3	7016.6	6280.4	5500.6	4702.4	3917.0	3231.9	2665.9	2179.4	1762.1	1416.5
30°	8012.6	7359.1	6639.0	5846.8	5013.8	4196.0	3452.7	2819.8	2294.1	1842.3	1473.5
27.5°	8325.0	7680.2	6966.5	6160.1	5310.9	4459.1	3658.4	2963.1	2400.8	1924.1	1538.3
25°	8608.2	7957.6	7242.2	6446.9	5585.9	4702.4	3848.4	3096.9	2512.0	2010.8	1597.9
22.5°	8850.2	8205.6	7495.6	6710.0	5837.9	4925.3	4035.9	3253.2	2619.7	2090.0	1652.3
20°	9070.6	8430.9	7725.4	6943.3	6060.2	5133.0	4218.3	3394.4	2716.9	2161.4	1701.3
17.5°	9265.6	8623.3	7914.5	7131.7	6254.7	5318.0	4380.5	3519.9	2803.3	2224.9	1744.9
15°	9425.4	8783.1	8077.1	7296.7	6424.9	5479.7	4522.3	3629.5	2878.6	2280.2	1782.8
12.5°	9562.3	8919.8	8216.0	7437.5	6570.0	5617.6	4643.0	3722.8	2942.8	2327.3	1815.1
10°	9675.5	9032.8	8330.7	7553.7	6689.6	5731.1	4742.4	3799.5	2995.5	2366.0	1841.6
7.5°	9764.4	9121.3	8420.5	7644.5	6783.1	5819.8	4820.0	3859.4	3036.7	2396.2	1862.3
5°	9828.2	9184.9	8484.9	7709.7	6850.2	5883.4	4875.7	3902.4	3066.2	2417.8	1877.1
2.5°	9866.7	9223.2	8523.7	7749.0	6890.5	5921.6	4909.1	3928.2	3083.9	2430.8	1886.0
0°	9879.6	9236.0	8536.7	7762.1	6904.0	5934.4	4920.3	3936.8	3089.8	2435.1	1889.0
-2.5°	9866.7	9223.2	8523.7	7749.0	6890.5	5921.6	4909.1	3928.2	3083.9	2430.8	1886.0
-5°	9828.2	9184.9	8484.9	7709.7	6850.2	5883.4	4875.7	3902.4	3066.2	2417.8	1877.1
-7.5°	9764.4	9121.3	8420.5	7644.5	6783.1	5819.8	4820.0	3859.4	3036.7	2396.2	1862.3
-10°	9675.5	9032.8	8330.7	7553.7	6689.6	5731.1	4742.4	3799.5	2995.5	2366.0	1841.6
-12.5°	9562.3	8919.8	8216.0	7437.5	6570.0	5617.6	4643.0	3722.8	2942.8	2327.3	1815.1
-15°	9425.4	8783.1	8077.1	7296.7	6424.9	5479.7	4522.3	3629.5	2878.6	2280.2	1782.8
-17.5°	9265.6	8623.3	7914.5	7131.7	6254.7	5318.0	4380.5	3519.9	2803.3	2224.9	1744.9
-20°	9070.6	8430.9	7725.4	6943.3	6060.2	5133.0	4218.3	3394.4	2716.9	2161.4	1701.3



REPORT NUMBER: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5E-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°	8850.2	8205.6	7495.6	6710.0	5837.9	4925.3	4035.9	3253.2	2619.7	2090.0	1652.3
-25°	8608.2	7957.6	7242.2	6446.9	5585.9	4702.4	3848.4	3096.9	2512.0	2010.8	1597.9
-27.5°	8325.0	7680.2	6966.5	6160.1	5310.9	4459.1	3658.4	2963.1	2400.8	1924.1	1538.3
-30°	8012.6	7359.1	6639.0	5846.8	5013.8	4196.0	3452.7	2819.8	2294.1	1842.3	1473.5
-32.5°	7671.3	7016.6	6280.4	5500.6	4702.4	3917.0	3231.9	2665.9	2179.4	1762.1	1416.5
-35°	7282.0	6621.7	5898.7	5133.0	4374.3	3658.4	3017.7	2501.7	2056.9	1676.5	1359.8
-37.5°	6869.3	6190.8	5479.7	4750.4	4027.7	3384.8	2825.2	2345.5	1927.0	1585.7	1299.6
-40°	6387.0	5731.1	5040.7	4355.6	3701.4	3096.9	2622.3	2192.5	1810.7	1489.7	1235.9
-42.5°	5883.4	5240.2	4593.1	3943.4	3373.4	2862.4	2414.0	2032.1	1696.9	1405.2	1169.0
-45°	5340.6	4737.0	4132.2	3573.4	3045.1	2619.7	2229.1	1869.6	1578.0	1325.0	1102.5
-47.5°	4785.2	4227.2	3694.5	3191.2	2771.4	2378.9	2036.9	1731.7	1454.9	1241.4	1038.2
-50°	4227.2	3735.0	3271.3	2863.2	2488.6	2161.4	1848.6	1588.9	1357.2	1154.7	971.3
-52.5°	3694.5	3271.3	2893.9	2549.4	2236.8	1937.3	1686.1	1445.1	1256.1	1072.5	902.1
-55°	3191.2	2863.2	2549.4	2262.0	1987.2	1744.9	1518.9	1329.4	1152.0	990.8	830.3
-57.5°	2771.4	2488.6	2236.8	1987.2	1764.5	1558.0	1373.6	1210.5	1054.9	906.9	753.3
-60°	2378.9	2161.4	1937.3	1744.9	1558.0	1388.4	1240.0	1093.5	958.1	820.0	674.3
-62.5°	2036.9	1848.6	1686.1	1518.9	1373.6	1240.0	1106.4	983.9	859.2	727.6	593.4
-65°	1731.7	1588.9	1445.1	1329.4	1210.5	1093.5	983.9	872.1	754.4	633.4	513.0
-67.5°	1454.9	1357.2	1256.1	1152.0	1054.9	958.1	859.2	754.4	646.8	537.4	436.5
-70°	1241.4	1154.7	1072.5	990.8	906.9	820.0	727.6	633.4	537.4	448.6	358.7
-72.5°	1038.2	971.3	902.1	830.3	753.3	674.3	593.4	513.0	436.5	358.7	279.8
-75°	846.7	787.2	725.0	660.9	594.9	527.8	464.7	400.3	334.6	267.8	218.5
-77.5°	645.2	595.3	543.6	494.2	444.2	392.9	340.3	286.5	240.2	201.9	163.0
-80°	450.7	414.5	376.9	338.1	298.1	257.7	228.7	199.1	169.0	138.3	107.1
-82.5°	265.6	244.9	225.6	205.6	185.0	163.8	142.1	119.9	97.2	74.1	62.7
-85°	136.0	123.6	110.7	97.4	83.6	69.6	64.3	58.9	53.3	47.6	41.9
-87.5°	47.1	44.8	42.4	40.0	37.4	34.8	32.2	29.4	26.7	23.8	21.0
-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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645540 (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°	18.0	15.1	12.1	9.1	6.1	3.0	0.0
85°	36.0	30.1	24.2	18.2	12.1	6.1	0.0
82.5°	54.0	45.1	36.2	27.2	18.2	9.1	0.0
80°	75.5	60.1	48.2	36.2	24.2	12.1	0.0
77.5°	123.6	83.7	60.1	45.1	30.1	15.1	0.0
75°	171.3	123.6	75.5	54.0	36.0	18.0	0.0
72.5°	218.5	163.0	107.1	62.7	41.9	21.0	0.0
70°	267.8	201.9	138.3	74.1	47.6	23.8	0.0
67.5°	334.6	240.2	169.0	97.2	53.3	26.7	0.0
65°	400.3	286.5	199.1	119.9	58.9	29.4	0.0
62.5°	464.7	340.3	228.7	142.1	64.3	32.2	0.0
60°	527.8	392.9	257.7	163.8	69.6	34.8	0.0
57.5°	594.9	444.2	298.1	185.0	83.6	37.4	0.0
55°	660.9	494.2	338.1	205.6	97.4	40.0	0.0
52.5°	725.0	543.6	376.9	225.6	110.7	42.4	0.0
50°	787.2	595.3	414.5	244.9	123.6	44.8	0.0
47.5°	846.7	645.2	450.7	265.6	136.0	47.1	0.0
45°	901.8	693.2	485.6	291.7	148.0	49.3	0.0
42.5°	954.6	739.3	519.0	316.7	159.4	51.4	0.0
40°	1005.0	783.2	552.4	340.6	170.3	53.4	0.0
37.5°	1052.9	824.9	585.7	363.2	180.7	55.3	0.0
35°	1098.3	863.2	617.2	384.6	190.5	57.1	0.0
32.5°	1142.6	898.6	646.8	404.7	199.7	58.8	0.0
30°	1187.9	931.7	674.5	423.5	208.2	60.4	0.0
27.5°	1229.9	962.5	700.2	441.0	216.2	61.8	0.0
25°	1268.6	990.8	723.8	457.0	223.5	63.2	0.0
22.5°	1303.9	1016.5	745.3	471.6	230.2	64.4	0.0
20°	1335.6	1039.7	764.7	484.7	236.2	65.5	0.0
17.5°	1363.8	1060.3	781.8	496.4	241.5	66.5	0.0
15°	1388.4	1078.3	796.8	506.6	246.2	67.3	0.0
12.5°	1409.3	1093.5	809.5	515.2	250.1	68.0	0.0
10°	1426.5	1106.0	820.0	522.3	253.3	68.6	0.0
7.5°	1439.8	1115.8	828.1	527.8	255.9	69.1	0.0
5°	1449.4	1122.8	833.9	531.7	257.7	69.4	0.0
2.5°	1455.2	1127.0	837.4	534.1	258.7	69.6	0.0
0°	1457.1	1128.4	838.6	534.9	259.1	69.7	0.0
-2.5°	1455.2	1127.0	837.4	534.1	258.7	69.6	0.0
-5°	1449.4	1122.8	833.9	531.7	257.7	69.4	0.0
-7.5°	1439.8	1115.8	828.1	527.8	255.9	69.1	0.0
-10°	1426.5	1106.0	820.0	522.3	253.3	68.6	0.0
-12.5°	1409.3	1093.5	809.5	515.2	250.1	68.0	0.0
-15°	1388.4	1078.3	796.8	506.6	246.2	67.3	0.0
-17.5°	1363.8	1060.3	781.8	496.4	241.5	66.5	0.0
-20°	1335.6	1039.7	764.7	484.7	236.2	65.5	0.0

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Scaled Data Report



REPORT NUMBER: P645540 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1303.9	1016.5	745.3	471.6	230.2	64.4	0.0
-25°	1268.6	990.8	723.8	457.0	223.5	63.2	0.0
-27.5°	1229.9	962.5	700.2	441.0	216.2	61.8	0.0
-30°	1187.9	931.7	674.5	423.5	208.2	60.4	0.0
-32.5°	1142.6	898.6	646.8	404.7	199.7	58.8	0.0
-35°	1098.3	863.2	617.2	384.6	190.5	57.1	0.0
-37.5°	1052.9	824.9	585.7	363.2	180.7	55.3	0.0
-40°	1005.0	783.2	552.4	340.6	170.3	53.4	0.0
-42.5°	954.6	739.3	519.0	316.7	159.4	51.4	0.0
-45°	901.8	693.2	485.6	291.7	148.0	49.3	0.0
-47.5°	846.7	645.2	450.7	265.6	136.0	47.1	0.0
-50°	787.2	595.3	414.5	244.9	123.6	44.8	0.0
-52.5°	725.0	543.6	376.9	225.6	110.7	42.4	0.0
-55°	660.9	494.2	338.1	205.6	97.4	40.0	0.0
-57.5°	594.9	444.2	298.1	185.0	83.6	37.4	0.0
-60°	527.8	392.9	257.7	163.8	69.6	34.8	0.0
-62.5°	464.7	340.3	228.7	142.1	64.3	32.2	0.0
-65°	400.3	286.5	199.1	119.9	58.9	29.4	0.0
-67.5°	334.6	240.2	169.0	97.2	53.3	26.7	0.0
-70°	267.8	201.9	138.3	74.1	47.6	23.8	0.0
-72.5°	218.5	163.0	107.1	62.7	41.9	21.0	0.0
-75°	171.3	123.6	75.5	54.0	36.0	18.0	0.0
-77.5°	123.6	83.7	60.1	45.1	30.1	15.1	0.0
-80°	75.5	60.1	48.2	36.2	24.2	12.1	0.0
-82.5°	54.0	45.1	36.2	27.2	18.2	9.1	0.0
-85°	36.0	30.1	24.2	18.2	12.1	6.1	0.0
-87.5°	18.0	15.1	12.1	9.1	6.1	3.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)