

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: HALO

Report Number: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLL100FSUNVDBZK-80W-4000K

Issue Date: 4/3/2023

Test Information

Test Method: LM-79-2019
Report Number: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ()
Test Lab: INNOVATION CENTER
Issue Date: 4/3/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: GFL100FSUNVDBZK-80W-4000K
Description: SLIM LED FLOODLIGHT
Light Source:
Ballast/Driver: -

Summary

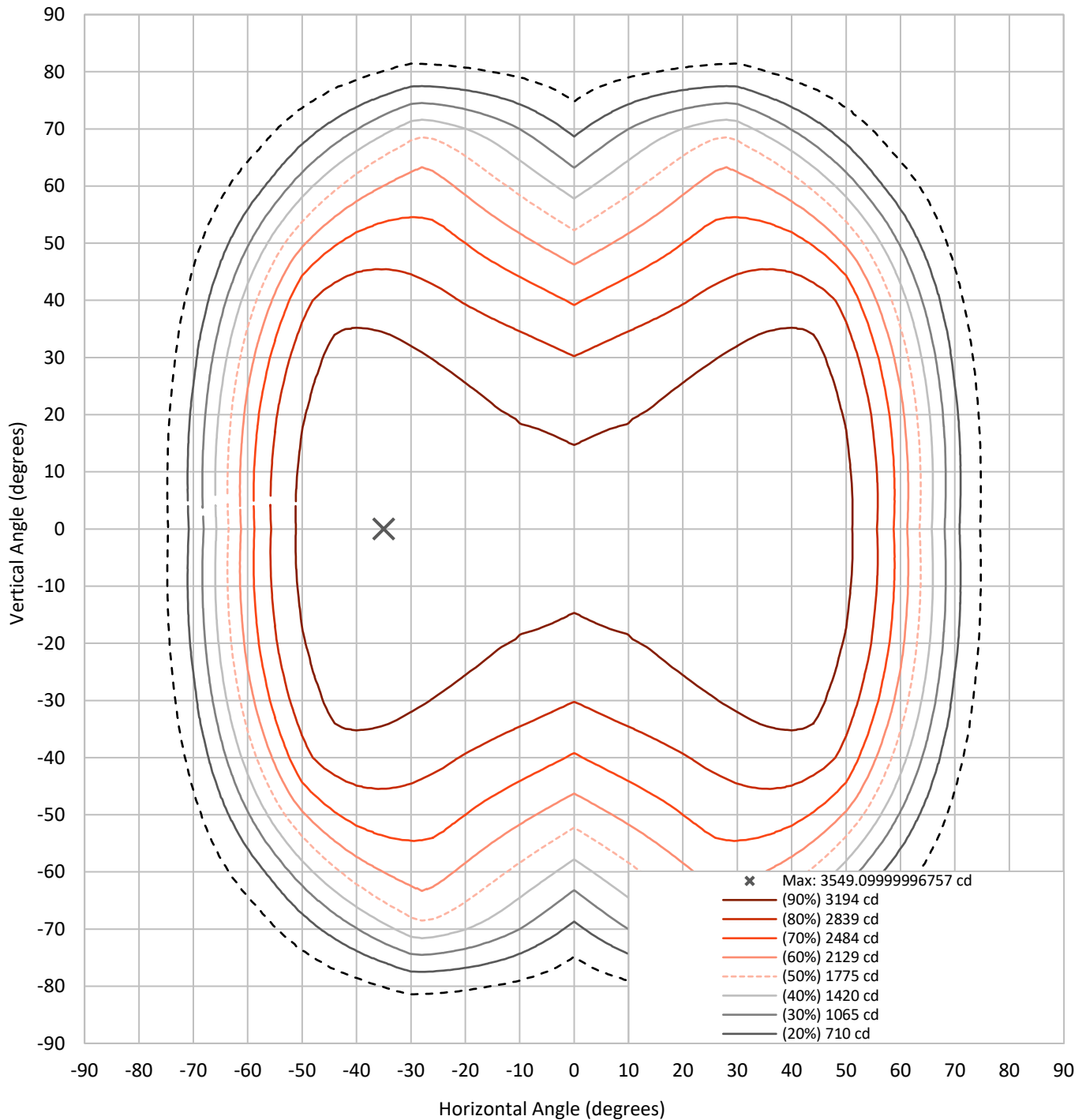
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12208.3 lumens	Max Intensity:	3549.1 candela
Efficiency:	N/A	Max Intensity Angle:	-35°H x 0°V
Efficacy:	160.2 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.33' x L: 0.56' x H: 0.18')		
Beam Angle (50%):	127°H x 130.8°V	Field Angle (10%):	149.3°H x 160.3°V
Beam Lumens:	10596.5 lumens	Field Lumens:	12059.7 lumens
Beam Efficiency:	86.8%	Field Efficiency:	98.8%
Input Watts (W):	76.2		
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		





REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

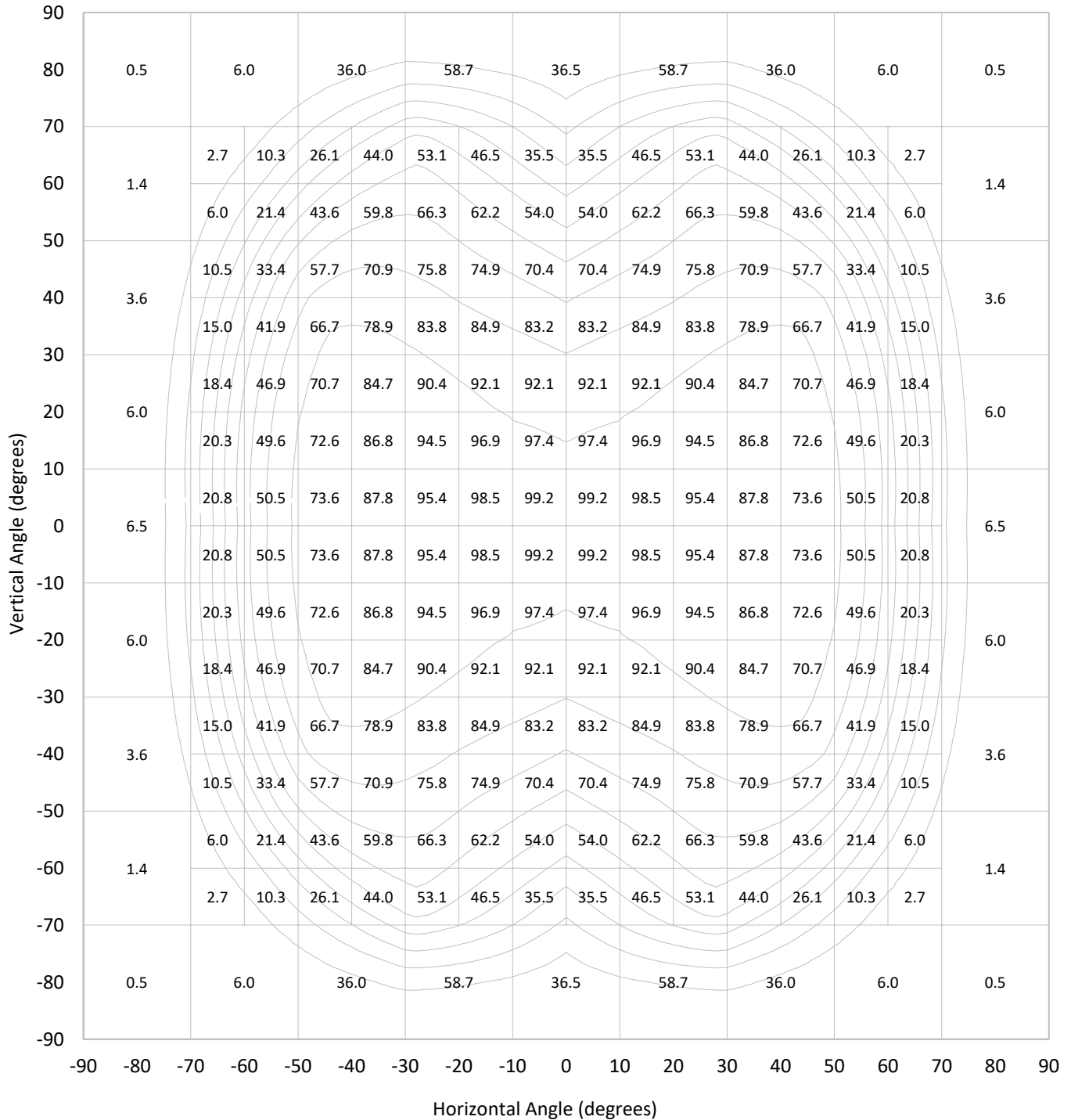
Iso-Candela Plot





REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

Lumen Table



Classified

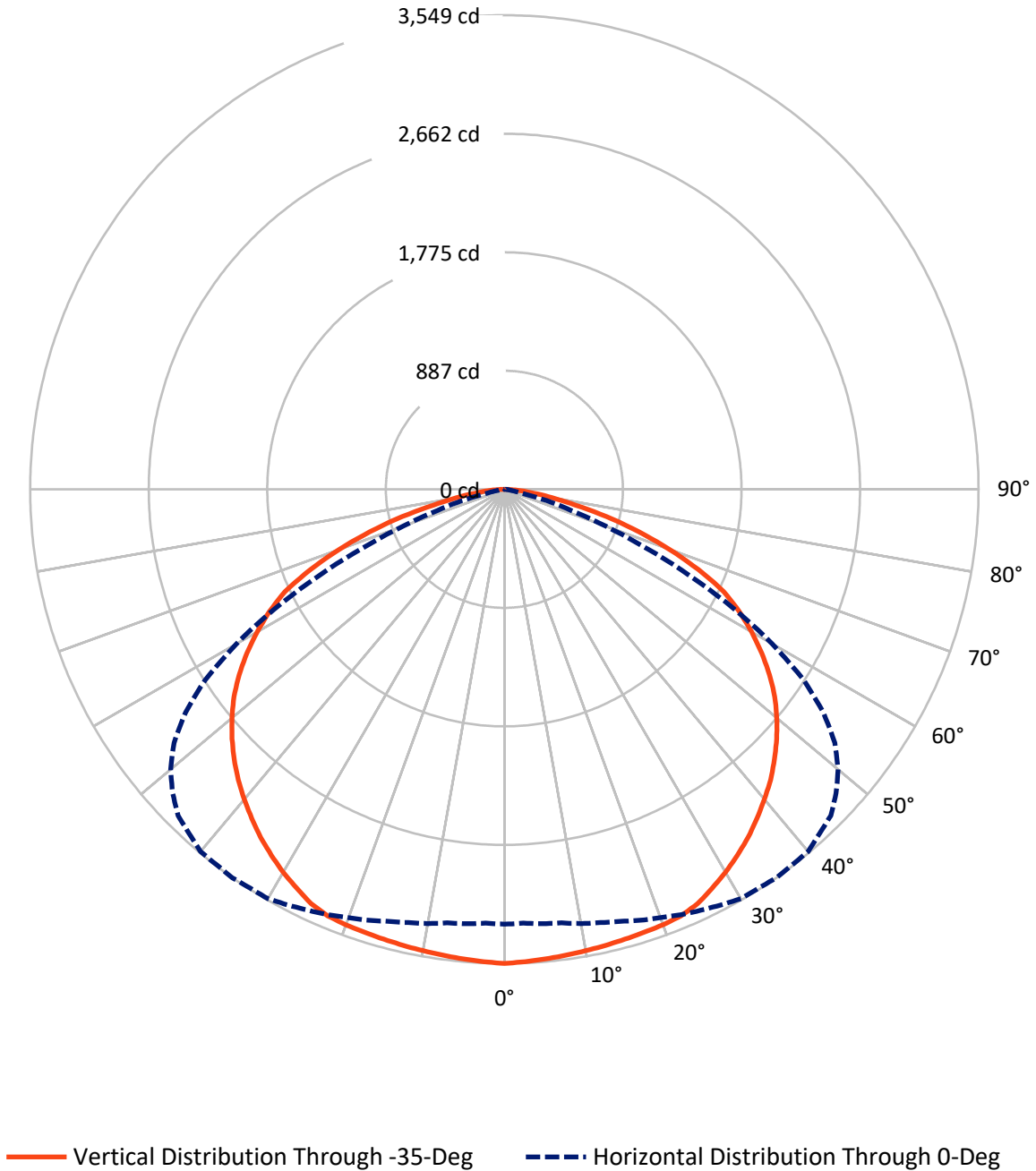
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

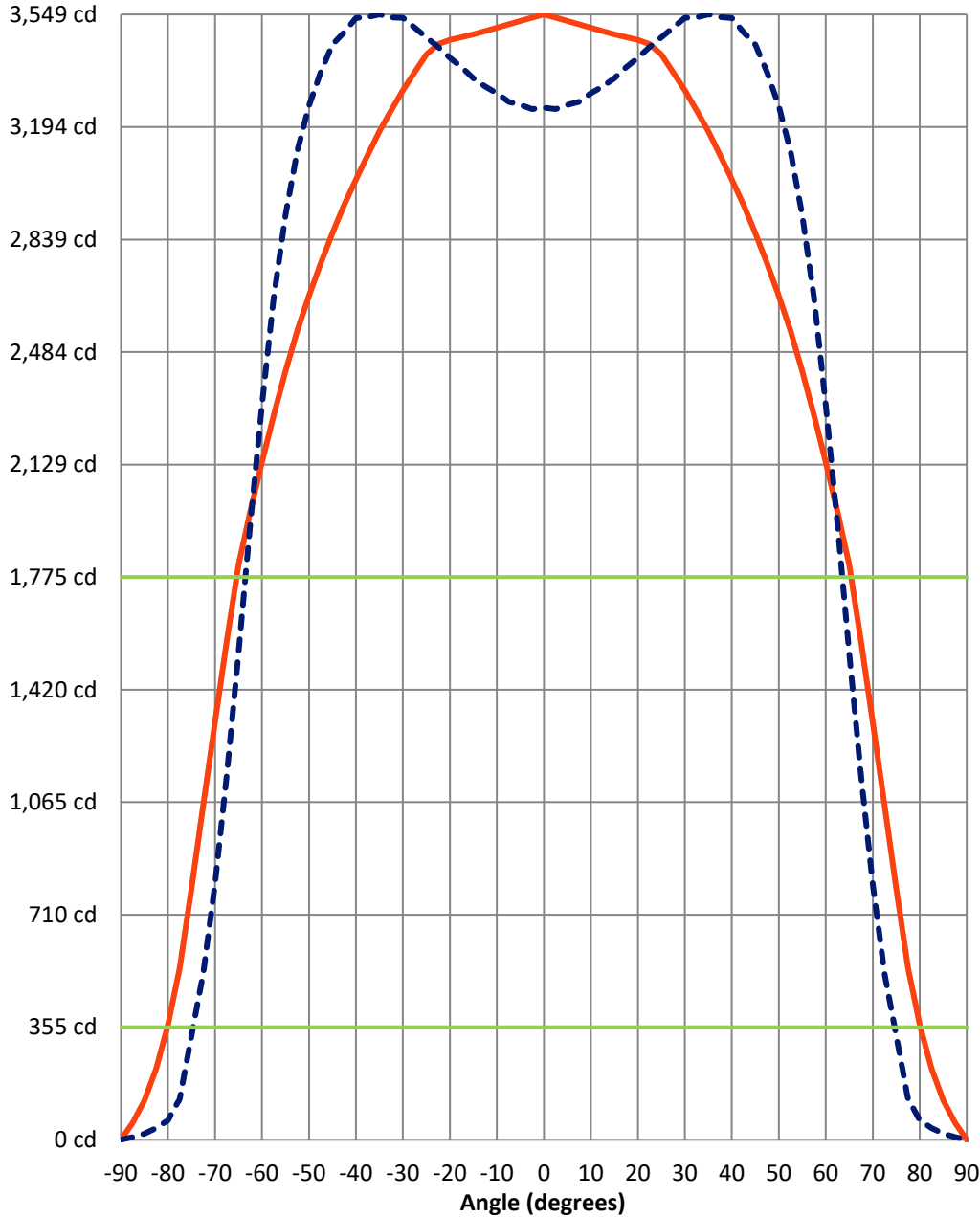
Luminous Intensity Polar Plot





REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

Luminous Intensity Plot



Beam:
 H Angle: 127°
 V Angle: 130.8°
 Lumens: 10596.5
 Efficiency: 86.8%

Field:
 H Angle: 149.3°
 V Angle: 160.3°
 Lumens: 12059.7
 Efficiency: 98.8%

Spill:
 Lumens: 148.6
 Efficiency: 1.2%

— Vertical Distribution through -35-Deg
 - - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.5	1.3	2.3	3.5	5.0	6.8	8.8	11.0	13.4	16.0
85°	0.0	1.0	2.5	4.5	7.1	10.1	13.6	17.5	21.9	26.8	32.0
82.5°	0.0	1.5	3.8	6.8	10.5	15.0	20.3	26.1	32.5	38.4	44.7
80°	0.0	2.0	5.0	9.0	14.0	19.9	26.6	33.1	40.1	47.5	55.4
77.5°	0.0	2.5	6.2	11.1	17.3	24.3	31.5	39.2	47.5	56.4	66.1
75°	0.0	3.0	7.4	13.2	20.5	28.0	36.3	45.2	54.9	65.8	77.2
72.5°	0.0	3.4	8.5	15.3	23.1	31.6	40.9	51.2	63.0	75.3	88.1
70°	0.0	3.9	9.7	17.2	25.7	35.0	45.5	57.9	70.9	84.9	114.0
67.5°	0.0	4.4	10.7	18.9	28.1	38.4	50.8	64.3	78.9	109.2	142.7
65°	0.0	4.8	11.8	20.6	30.5	42.0	55.9	70.5	98.3	132.5	178.8
62.5°	0.0	5.2	12.8	22.1	32.7	45.9	60.8	83.0	116.8	159.6	233.5
60°	0.0	5.6	13.7	23.6	34.8	49.7	65.5	97.3	134.3	204.5	285.5
57.5°	0.0	6.0	14.6	25.0	37.5	53.2	75.6	110.8	166.4	247.0	352.4
55°	0.0	6.3	15.4	26.3	40.2	56.6	85.8	123.4	200.5	292.6	425.0
52.5°	0.0	6.7	16.2	27.5	42.6	60.5	95.2	148.7	232.5	355.3	495.0
50°	0.0	7.0	16.9	28.6	45.0	67.4	103.9	173.9	269.2	415.3	585.7
47.5°	0.0	7.3	17.5	29.8	47.1	73.8	113.4	197.2	320.0	472.7	673.7
45°	0.0	7.6	18.1	31.2	49.1	79.6	131.5	218.6	368.3	545.3	755.7
42.5°	0.0	7.8	18.7	32.6	50.9	84.8	148.1	250.0	414.0	613.0	850.2
40°	0.0	8.1	19.2	33.8	53.6	89.4	163.0	287.5	460.9	675.4	940.9
37.5°	0.0	8.3	19.6	35.0	56.9	93.4	176.4	322.6	511.7	737.3	1024.3
35°	0.0	8.5	20.0	36.0	59.9	101.2	188.2	355.2	557.8	806.1	1105.0
32.5°	0.0	8.6	20.3	36.8	62.4	110.3	202.9	385.2	599.3	868.4	1185.4
30°	0.0	8.7	20.5	37.6	64.5	118.2	226.5	414.0	635.9	924.1	1257.8
27.5°	0.0	8.9	20.7	38.2	66.2	125.0	247.9	443.5	672.7	973.2	1322.1
25°	0.0	8.9	20.9	38.7	67.5	130.5	267.0	469.1	712.0	1021.7	1378.3
22.5°	0.0	9.0	21.0	39.1	68.4	134.9	283.7	490.8	745.8	1066.1	1429.9
20°	0.0	9.0	21.0	39.3	68.9	138.3	298.2	508.7	773.9	1103.4	1473.5
17.5°	0.0	9.1	21.0	39.5	69.1	140.5	310.2	522.8	796.3	1133.4	1509.1
15°	0.0	9.1	20.9	39.5	68.9	141.6	319.8	533.2	813.3	1156.3	1536.8
12.5°	0.0	9.0	20.8	39.3	68.4	141.8	327.1	540.1	824.8	1172.1	1556.3
10°	0.0	9.0	20.6	39.1	67.6	141.0	332.0	543.4	831.0	1180.8	1567.7
7.5°	0.0	8.9	20.4	38.7	66.5	139.3	334.4	543.4	831.9	1182.6	1571.0
5°	0.0	8.8	20.1	38.3	65.1	136.8	334.5	540.2	827.9	1177.7	1566.2
2.5°	0.0	8.7	19.8	37.7	63.5	133.5	332.2	534.0	819.0	1166.2	1553.4
0°	0.0	8.6	19.4	37.0	61.7	129.4	327.6	524.9	805.5	1148.3	1532.7
-2.5°	0.0	8.7	19.8	37.7	63.5	133.5	332.2	534.0	819.0	1166.2	1553.4
-5°	0.0	8.8	20.1	38.3	65.1	136.8	334.5	540.2	827.9	1177.7	1566.2
-7.5°	0.0	8.9	20.4	38.7	66.5	139.3	334.4	543.4	831.9	1182.6	1571.0
-10°	0.0	9.0	20.6	39.1	67.6	141.0	332.0	543.4	831.0	1180.8	1567.7
-12.5°	0.0	9.0	20.8	39.3	68.4	141.8	327.1	540.1	824.8	1172.1	1556.3
-15°	0.0	9.1	20.9	39.5	68.9	141.6	319.8	533.2	813.3	1156.3	1536.8
-17.5°	0.0	9.1	21.0	39.5	69.1	140.5	310.2	522.8	796.3	1133.4	1509.1
-20°	0.0	9.0	21.0	39.3	68.9	138.3	298.2	508.7	773.9	1103.4	1473.5

Classified

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

Scaled Data Report



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.0	21.0	39.1	68.4	134.9	283.7	490.8	745.8	1066.1	1429.9
-25°	0.0	8.9	20.9	38.7	67.5	130.5	267.0	469.1	712.0	1021.7	1378.3
-27.5°	0.0	8.9	20.7	38.2	66.2	125.0	247.9	443.5	672.7	973.2	1322.1
-30°	0.0	8.7	20.5	37.6	64.5	118.2	226.5	414.0	635.9	924.1	1257.8
-32.5°	0.0	8.6	20.3	36.8	62.4	110.3	202.9	385.2	599.3	868.4	1185.4
-35°	0.0	8.5	20.0	36.0	59.9	101.2	188.2	355.2	557.8	806.1	1105.0
-37.5°	0.0	8.3	19.6	35.0	56.9	93.4	176.4	322.6	511.7	737.3	1024.3
-40°	0.0	8.1	19.2	33.8	53.6	89.4	163.0	287.5	460.9	675.4	940.9
-42.5°	0.0	7.8	18.7	32.6	50.9	84.8	148.1	250.0	414.0	613.0	850.2
-45°	0.0	7.6	18.1	31.2	49.1	79.6	131.5	218.6	368.3	545.3	755.7
-47.5°	0.0	7.3	17.5	29.8	47.1	73.8	113.4	197.2	320.0	472.7	673.7
-50°	0.0	7.0	16.9	28.6	45.0	67.4	103.9	173.9	269.2	415.3	585.7
-52.5°	0.0	6.7	16.2	27.5	42.6	60.5	95.2	148.7	232.5	355.3	495.0
-55°	0.0	6.3	15.4	26.3	40.2	56.6	85.8	123.4	200.5	292.6	425.0
-57.5°	0.0	6.0	14.6	25.0	37.5	53.2	75.6	110.8	166.4	247.0	352.4
-60°	0.0	5.6	13.7	23.6	34.8	49.7	65.5	97.3	134.3	204.5	285.5
-62.5°	0.0	5.2	12.8	22.1	32.7	45.9	60.8	83.0	116.8	159.6	233.5
-65°	0.0	4.8	11.8	20.6	30.5	42.0	55.9	70.5	98.3	132.5	178.8
-67.5°	0.0	4.4	10.7	18.9	28.1	38.4	50.8	64.3	78.9	109.2	142.7
-70°	0.0	3.9	9.7	17.2	25.7	35.0	45.5	57.9	70.9	84.9	114.0
-72.5°	0.0	3.4	8.5	15.3	23.1	31.6	40.9	51.2	63.0	75.3	88.1
-75°	0.0	3.0	7.4	13.2	20.5	28.0	36.3	45.2	54.9	65.8	77.2
-77.5°	0.0	2.5	6.2	11.1	17.3	24.3	31.5	39.2	47.5	56.4	66.1
-80°	0.0	2.0	5.0	9.0	14.0	19.9	26.6	33.1	40.1	47.5	55.4
-82.5°	0.0	1.5	3.8	6.8	10.5	15.0	20.3	26.1	32.5	38.4	44.7
-85°	0.0	1.0	2.5	4.5	7.1	10.1	13.6	17.5	21.9	26.8	32.0
-87.5°	0.0	0.5	1.3	2.3	3.5	5.0	6.8	8.8	11.0	13.4	16.0
-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: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

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°	18.9	21.9	24.8	27.7	30.7	33.9	37.1	40.4	43.8	47.2	50.6
85°	37.6	43.7	48.6	54.3	60.8	68.0	76.0	84.6	93.8	103.6	113.8
82.5°	51.2	58.1	67.2	77.7	89.4	102.2	116.9	135.2	155.3	177.1	200.3
80°	63.6	72.2	86.0	103.7	124.6	148.5	175.3	204.7	236.5	274.3	317.6
77.5°	76.3	86.8	106.0	131.7	163.0	206.9	254.4	305.0	358.5	414.7	473.2
75°	88.9	101.0	136.0	182.5	233.7	289.5	352.1	434.0	519.3	607.7	698.7
72.5°	111.3	140.8	182.9	239.3	320.7	410.0	504.4	603.4	710.7	823.7	938.7
70°	146.0	180.8	246.8	338.3	436.5	544.3	664.5	788.8	916.6	1049.3	1184.6
67.5°	185.1	253.0	330.6	438.2	563.6	694.5	830.5	986.3	1138.9	1287.7	1432.7
65°	250.6	327.6	421.3	553.8	693.0	863.5	1034.0	1200.8	1368.7	1528.9	1680.3
62.5°	313.3	417.5	526.1	679.2	867.5	1052.5	1243.4	1428.8	1604.6	1749.8	1874.2
60°	394.3	511.3	654.8	841.7	1045.7	1259.4	1462.9	1645.6	1804.4	1941.8	2049.3
57.5°	477.4	626.3	806.7	1010.6	1244.5	1467.5	1671.1	1851.0	1998.6	2121.1	2217.6
55°	570.8	757.0	963.1	1196.8	1443.2	1674.9	1878.0	2047.0	2190.0	2291.3	2371.2
52.5°	682.0	886.9	1130.2	1385.1	1648.2	1880.2	2077.6	2237.9	2359.8	2452.5	2510.1
50°	787.0	1031.2	1291.7	1574.4	1850.3	2081.1	2267.1	2414.6	2518.9	2593.2	2638.7
47.5°	904.0	1167.6	1457.0	1752.3	2039.9	2269.2	2446.8	2570.8	2665.5	2720.1	2756.8
45°	1020.0	1306.5	1613.2	1915.8	2205.1	2447.8	2601.5	2720.2	2790.5	2839.1	2855.9
42.5°	1128.2	1440.7	1757.0	2070.7	2348.5	2592.8	2750.3	2844.2	2909.3	2939.4	2951.0
40°	1240.6	1565.8	1891.9	2198.6	2477.7	2704.0	2875.6	2965.3	3010.4	3033.6	3041.6
37.5°	1346.3	1681.5	2014.9	2320.7	2578.9	2797.8	2977.4	3064.8	3104.5	3124.1	3119.1
35°	1443.3	1789.0	2121.0	2422.6	2677.2	2879.4	3036.8	3156.8	3193.3	3200.9	3195.5
32.5°	1532.7	1888.0	2220.7	2509.0	2752.8	2951.6	3095.0	3201.6	3271.8	3277.1	3268.2
30°	1614.8	1972.3	2308.0	2591.2	2824.6	3004.5	3140.9	3244.1	3314.3	3347.0	3334.0
27.5°	1688.6	2049.2	2377.0	2657.1	2889.3	3056.8	3183.0	3275.0	3341.7	3389.5	3396.6
25°	1754.0	2118.8	2440.8	2715.3	2933.8	3097.4	3221.1	3306.5	3367.1	3408.2	3431.0
22.5°	1809.8	2180.6	2499.2	2769.8	2976.3	3133.0	3248.2	3330.3	3389.5	3428.4	3443.9
20°	1857.1	2224.8	2545.4	2816.8	3016.5	3167.3	3274.6	3352.6	3408.1	3440.5	3457.6
17.5°	1896.7	2262.7	2582.1	2846.3	3044.2	3193.8	3298.7	3374.3	3427.5	3452.9	3472.4
15°	1928.4	2293.9	2613.4	2872.1	3067.2	3212.5	3315.3	3390.4	3441.9	3465.7	3488.1
12.5°	1951.9	2317.9	2638.7	2893.4	3087.0	3228.9	3330.3	3405.3	3452.3	3479.2	3496.7
10°	1967.0	2334.3	2657.4	2909.9	3103.0	3242.6	3343.4	3419.2	3462.3	3492.7	3505.4
7.5°	1973.5	2342.8	2668.9	2920.8	3114.5	3253.2	3354.0	3431.6	3471.7	3505.7	3514.3
5°	1971.2	2342.8	2672.7	2925.6	3121.1	3260.0	3361.8	3442.0	3480.0	3517.9	3523.2
2.5°	1959.9	2334.1	2668.1	2923.6	3122.0	3262.7	3366.2	3449.7	3487.2	3528.7	3532.1
0°	1939.5	2316.3	2654.7	2914.3	3116.8	3260.5	3366.9	3454.1	3492.8	3537.8	3540.9
-2.5°	1959.9	2334.1	2668.1	2923.6	3122.0	3262.7	3366.2	3449.7	3487.2	3528.7	3532.1
-5°	1971.2	2342.8	2672.7	2925.6	3121.1	3260.0	3361.8	3442.0	3480.0	3517.9	3523.2
-7.5°	1973.5	2342.8	2668.9	2920.8	3114.5	3253.2	3354.0	3431.6	3471.7	3505.7	3514.3
-10°	1967.0	2334.3	2657.4	2909.9	3103.0	3242.6	3343.4	3419.2	3462.3	3492.7	3505.4
-12.5°	1951.9	2317.9	2638.7	2893.4	3087.0	3228.9	3330.3	3405.3	3452.3	3479.2	3496.7
-15°	1928.4	2293.9	2613.4	2872.1	3067.2	3212.5	3315.3	3390.4	3441.9	3465.7	3488.1
-17.5°	1896.7	2262.7	2582.1	2846.3	3044.2	3193.8	3298.7	3374.3	3427.5	3452.9	3472.4
-20°	1857.1	2224.8	2545.4	2816.8	3016.5	3167.3	3274.6	3352.6	3408.1	3440.5	3457.6



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1809.8	2180.6	2499.2	2769.8	2976.3	3133.0	3248.2	3330.3	3389.5	3428.4	3443.9
-25°	1754.0	2118.8	2440.8	2715.3	2933.8	3097.4	3221.1	3306.5	3367.1	3408.2	3431.0
-27.5°	1688.6	2049.2	2377.0	2657.1	2889.3	3056.8	3183.0	3275.0	3341.7	3389.5	3396.6
-30°	1614.8	1972.3	2308.0	2591.2	2824.6	3004.5	3140.9	3244.1	3314.3	3347.0	3334.0
-32.5°	1532.7	1888.0	2220.7	2509.0	2752.8	2951.6	3095.0	3201.6	3271.8	3277.1	3268.2
-35°	1443.3	1789.0	2121.0	2422.6	2677.2	2879.4	3036.8	3156.8	3193.3	3200.9	3195.5
-37.5°	1346.3	1681.5	2014.9	2320.7	2578.9	2797.8	2977.4	3064.8	3104.5	3124.1	3119.1
-40°	1240.6	1565.8	1891.9	2198.6	2477.7	2704.0	2875.6	2965.3	3010.4	3033.6	3041.6
-42.5°	1128.2	1440.7	1757.0	2070.7	2348.5	2592.8	2750.3	2844.2	2909.3	2939.4	2951.0
-45°	1020.0	1306.5	1613.2	1915.8	2205.1	2447.8	2601.5	2720.2	2790.5	2839.1	2855.9
-47.5°	904.0	1167.6	1457.0	1752.3	2039.9	2269.2	2446.8	2570.8	2665.5	2720.1	2756.8
-50°	787.0	1031.2	1291.7	1574.4	1850.3	2081.1	2267.1	2414.6	2518.9	2593.2	2638.7
-52.5°	682.0	886.9	1130.2	1385.1	1648.2	1880.2	2077.6	2237.9	2359.8	2452.5	2510.1
-55°	570.8	757.0	963.1	1196.8	1443.2	1674.9	1878.0	2047.0	2190.0	2291.3	2371.2
-57.5°	477.4	626.3	806.7	1010.6	1244.5	1467.5	1671.1	1851.0	1998.6	2121.1	2217.6
-60°	394.3	511.3	654.8	841.7	1045.7	1259.4	1462.9	1645.6	1804.4	1941.8	2049.3
-62.5°	313.3	417.5	526.1	679.2	867.5	1052.5	1243.4	1428.8	1604.6	1749.8	1874.2
-65°	250.6	327.6	421.3	553.8	693.0	863.5	1034.0	1200.8	1368.7	1528.9	1680.3
-67.5°	185.1	253.0	330.6	438.2	563.6	694.5	830.5	986.3	1138.9	1287.7	1432.7
-70°	146.0	180.8	246.8	338.3	436.5	544.3	664.5	788.8	916.6	1049.3	1184.6
-72.5°	111.3	140.8	182.9	239.3	320.7	410.0	504.4	603.4	710.7	823.7	938.7
-75°	88.9	101.0	136.0	182.5	233.7	289.5	352.1	434.0	519.3	607.7	698.7
-77.5°	76.3	86.8	106.0	131.7	163.0	206.9	254.4	305.0	358.5	414.7	473.2
-80°	63.6	72.2	86.0	103.7	124.6	148.5	175.3	204.7	236.5	274.3	317.6
-82.5°	51.2	58.1	67.2	77.7	89.4	102.2	116.9	135.2	155.3	177.1	200.3
-85°	37.6	43.7	48.6	54.3	60.8	68.0	76.0	84.6	93.8	103.6	113.8
-87.5°	18.9	21.9	24.8	27.7	30.7	33.9	37.1	40.4	43.8	47.2	50.6
-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: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

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°	54.0	57.5	60.9	59.8	58.4	56.7	54.8	52.8	50.5	48.0	45.5
85°	124.5	135.5	146.7	143.6	139.2	133.9	127.9	121.2	114.0	106.1	97.8
82.5°	224.9	250.6	277.2	273.6	265.0	254.2	241.5	227.1	211.1	193.6	175.0
80°	362.5	408.7	455.8	454.6	440.9	423.3	402.1	377.7	350.3	320.3	288.1
77.5°	542.4	617.2	693.0	702.9	685.8	661.7	631.4	595.2	553.8	507.7	457.6
75°	791.9	887.8	986.9	1007.3	979.4	943.0	898.7	847.2	789.0	724.9	655.6
72.5°	1055.3	1173.1	1290.2	1323.0	1279.3	1226.9	1166.2	1097.9	1022.6	941.1	854.0
70°	1316.0	1443.6	1567.2	1620.5	1564.0	1499.1	1426.1	1345.7	1258.2	1164.3	1064.7
67.5°	1571.6	1702.7	1826.1	1903.0	1824.2	1733.3	1639.8	1543.6	1444.5	1342.7	1237.9
65°	1812.0	1913.1	1999.7	2065.3	1980.1	1887.1	1792.4	1695.6	1596.6	1495.2	1391.3
62.5°	1980.6	2064.8	2129.6	2179.1	2111.5	2021.2	1928.1	1833.7	1737.7	1639.8	1539.7
60°	2136.9	2205.2	2249.1	2277.7	2230.9	2144.2	2055.0	1964.9	1873.5	1780.4	1685.2
57.5°	2284.4	2333.0	2362.2	2373.4	2342.7	2260.0	2175.1	2088.8	2002.3	1914.7	1825.6
55°	2423.2	2453.2	2468.8	2465.9	2442.9	2363.0	2283.7	2203.8	2123.8	2043.1	1961.0
52.5°	2550.8	2564.6	2564.6	2551.7	2526.6	2459.3	2386.3	2313.5	2240.6	2166.9	2091.7
50°	2661.6	2667.2	2655.1	2634.2	2604.3	2551.7	2485.3	2418.5	2350.9	2283.3	2214.7
47.5°	2763.9	2759.8	2742.4	2716.8	2683.2	2636.3	2573.8	2513.6	2455.2	2396.2	2335.6
45°	2859.3	2847.8	2827.1	2793.9	2755.5	2714.9	2663.7	2612.1	2557.6	2503.0	2448.0
42.5°	2948.5	2930.1	2902.9	2870.7	2835.4	2793.4	2743.9	2694.7	2647.9	2601.1	2553.0
40°	3028.2	3007.6	2980.8	2948.4	2906.4	2861.8	2818.3	2777.6	2737.1	2695.3	2652.3
37.5°	3105.4	3084.3	3053.1	3015.4	2975.8	2935.7	2894.0	2855.9	2820.3	2782.3	2743.7
35°	3180.4	3152.7	3119.3	3082.5	3045.3	3006.7	2966.4	2926.4	2893.9	2861.2	2827.7
32.5°	3246.5	3217.2	3182.7	3147.7	3112.1	3072.2	3032.2	2991.3	2961.8	2933.4	2903.5
30°	3309.9	3277.1	3244.1	3210.1	3171.1	3133.1	3095.1	3055.8	3022.5	2997.7	2972.8
27.5°	3366.9	3335.4	3303.1	3264.6	3227.9	3192.0	3153.1	3115.7	3079.1	3058.8	3036.2
25°	3422.6	3392.4	3354.3	3318.0	3282.6	3243.8	3206.4	3171.2	3135.0	3107.2	3087.9
22.5°	3455.5	3441.9	3404.8	3370.3	3330.2	3291.3	3254.9	3219.9	3183.4	3148.5	3132.9
20°	3468.8	3465.2	3455.0	3415.1	3373.8	3334.7	3300.0	3260.3	3224.4	3197.5	3177.5
17.5°	3477.4	3475.7	3471.0	3457.5	3413.5	3377.5	3334.5	3294.9	3268.3	3236.3	3205.7
15°	3486.3	3486.8	3477.1	3461.8	3446.3	3412.2	3362.7	3333.7	3297.8	3267.0	3245.8
12.5°	3496.5	3495.9	3483.7	3468.7	3453.2	3421.5	3398.6	3360.6	3323.2	3298.3	3271.6
10°	3507.2	3503.2	3491.5	3476.3	3453.3	3422.6	3405.7	3376.8	3349.1	3318.0	3291.8
7.5°	3517.9	3511.3	3501.3	3483.2	3454.2	3428.0	3402.8	3376.5	3356.0	3334.7	3307.1
5°	3528.6	3520.1	3512.6	3490.2	3458.4	3433.0	3402.6	3376.7	3351.0	3328.9	3310.0
2.5°	3539.0	3529.7	3525.1	3498.0	3466.0	3438.8	3405.6	3378.3	3347.6	3323.7	3303.0
0°	3549.1	3539.9	3538.3	3507.5	3476.7	3446.5	3412.2	3382.5	3347.7	3322.0	3300.5
-2.5°	3539.0	3529.7	3525.1	3498.0	3466.0	3438.8	3405.6	3378.3	3347.6	3323.7	3303.0
-5°	3528.6	3520.1	3512.6	3490.2	3458.4	3433.0	3402.6	3376.7	3351.0	3328.9	3310.0
-7.5°	3517.9	3511.3	3501.3	3483.2	3454.2	3428.0	3402.8	3376.5	3356.0	3334.7	3307.1
-10°	3507.2	3503.2	3491.5	3476.3	3453.3	3422.6	3405.7	3376.8	3349.1	3318.0	3291.8
-12.5°	3496.5	3495.9	3483.7	3468.7	3453.2	3421.5	3398.6	3360.6	3323.2	3298.3	3271.6
-15°	3486.3	3486.8	3477.1	3461.8	3446.3	3412.2	3362.7	3333.7	3297.8	3267.0	3245.8
-17.5°	3477.4	3475.7	3471.0	3457.5	3413.5	3377.5	3334.5	3294.9	3268.3	3236.3	3205.7
-20°	3468.8	3465.2	3455.0	3415.1	3373.8	3334.7	3300.0	3260.3	3224.4	3197.5	3177.5



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3455.5	3441.9	3404.8	3370.3	3330.2	3291.3	3254.9	3219.9	3183.4	3148.5	3132.9
-25°	3422.6	3392.4	3354.3	3318.0	3282.6	3243.8	3206.4	3171.2	3135.0	3107.2	3087.9
-27.5°	3366.9	3335.4	3303.1	3264.6	3227.9	3192.0	3153.1	3115.7	3079.1	3058.8	3036.2
-30°	3309.9	3277.1	3244.1	3210.1	3171.1	3133.1	3095.1	3055.8	3022.5	2997.7	2972.8
-32.5°	3246.5	3217.2	3182.7	3147.7	3112.1	3072.2	3032.2	2991.3	2961.8	2933.4	2903.5
-35°	3180.4	3152.7	3119.3	3082.5	3045.3	3006.7	2966.4	2926.4	2893.9	2861.2	2827.7
-37.5°	3105.4	3084.3	3053.1	3015.4	2975.8	2935.7	2894.0	2855.9	2820.3	2782.3	2743.7
-40°	3028.2	3007.6	2980.8	2948.4	2906.4	2861.8	2818.3	2777.6	2737.1	2695.3	2652.3
-42.5°	2948.5	2930.1	2902.9	2870.7	2835.4	2793.4	2743.9	2694.7	2647.9	2601.1	2553.0
-45°	2859.3	2847.8	2827.1	2793.9	2755.5	2714.9	2663.7	2612.1	2557.6	2503.0	2448.0
-47.5°	2763.9	2759.8	2742.4	2716.8	2683.2	2636.3	2573.8	2513.6	2455.2	2396.2	2335.6
-50°	2661.6	2667.2	2655.1	2634.2	2604.3	2551.7	2485.3	2418.5	2350.9	2283.3	2214.7
-52.5°	2550.8	2564.6	2564.6	2551.7	2526.6	2459.3	2386.3	2313.5	2240.6	2166.9	2091.7
-55°	2423.2	2453.2	2468.8	2465.9	2442.9	2363.0	2283.7	2203.8	2123.8	2043.1	1961.0
-57.5°	2284.4	2333.0	2362.2	2373.4	2342.7	2260.0	2175.1	2088.8	2002.3	1914.7	1825.6
-60°	2136.9	2205.2	2249.1	2277.7	2230.9	2144.2	2055.0	1964.9	1873.5	1780.4	1685.2
-62.5°	1980.6	2064.8	2129.6	2179.1	2111.5	2021.2	1928.1	1833.7	1737.7	1639.8	1539.7
-65°	1812.0	1913.1	1999.7	2065.3	1980.1	1887.1	1792.4	1695.6	1596.6	1495.2	1391.3
-67.5°	1571.6	1702.7	1826.1	1903.0	1824.2	1733.3	1639.8	1543.6	1444.5	1342.7	1237.9
-70°	1316.0	1443.6	1567.2	1620.5	1564.0	1499.1	1426.1	1345.7	1258.2	1164.3	1064.7
-72.5°	1055.3	1173.1	1290.2	1323.0	1279.3	1226.9	1166.2	1097.9	1022.6	941.1	854.0
-75°	791.9	887.8	986.9	1007.3	979.4	943.0	898.7	847.2	789.0	724.9	655.6
-77.5°	542.4	617.2	693.0	702.9	685.8	661.7	631.4	595.2	553.8	507.7	457.6
-80°	362.5	408.7	455.8	454.6	440.9	423.3	402.1	377.7	350.3	320.3	288.1
-82.5°	224.9	250.6	277.2	273.6	265.0	254.2	241.5	227.1	211.1	193.6	175.0
-85°	124.5	135.5	146.7	143.6	139.2	133.9	127.9	121.2	114.0	106.1	97.8
-87.5°	54.0	57.5	60.9	59.8	58.4	56.7	54.8	52.8	50.5	48.0	45.5
-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: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

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°	42.8	40.0	37.1	34.1	37.1	40.0	42.8	45.5	48.0	50.5	52.8
85°	89.1	80.1	70.9	61.4	70.9	80.1	89.1	97.8	106.1	114.0	121.2
82.5°	155.4	134.9	114.0	92.6	114.0	134.9	155.4	175.0	193.6	211.1	227.1
80°	254.0	218.5	181.7	144.2	181.7	218.5	254.0	288.1	320.3	350.3	377.7
77.5°	404.1	347.8	289.4	229.5	289.4	347.8	404.1	457.6	507.7	553.8	595.2
75°	581.9	504.6	424.2	341.9	424.2	504.6	581.9	655.6	724.9	789.0	847.2
72.5°	762.1	666.1	566.9	465.1	566.9	666.1	762.1	854.0	941.1	1022.6	1097.9
70°	959.8	850.4	737.2	620.8	737.2	850.4	959.8	1064.7	1164.3	1258.2	1345.7
67.5°	1130.2	1019.4	905.8	789.0	905.8	1019.4	1130.2	1237.9	1342.7	1444.5	1543.6
65°	1284.7	1175.3	1062.9	947.4	1062.9	1175.3	1284.7	1391.3	1495.2	1596.6	1695.6
62.5°	1437.1	1331.6	1222.9	1110.8	1222.9	1331.6	1437.1	1539.7	1639.8	1737.7	1833.7
60°	1587.5	1486.8	1382.8	1275.0	1382.8	1486.8	1587.5	1685.2	1780.4	1873.5	1964.9
57.5°	1734.3	1640.2	1542.6	1441.0	1542.6	1640.2	1734.3	1825.6	1914.7	2002.3	2088.8
55°	1876.7	1789.6	1698.8	1603.9	1698.8	1789.6	1876.7	1961.0	2043.1	2123.8	2203.8
52.5°	2014.2	1933.7	1849.6	1760.8	1849.6	1933.7	2014.2	2091.7	2166.9	2240.6	2313.5
50°	2144.2	2071.0	1994.2	1912.7	1994.2	2071.0	2144.2	2214.7	2283.3	2350.9	2418.5
47.5°	2272.6	2206.3	2135.9	2060.4	2135.9	2206.3	2272.6	2335.6	2396.2	2455.2	2513.6
45°	2391.4	2332.1	2269.1	2201.0	2269.1	2332.1	2391.4	2448.0	2503.0	2557.6	2612.1
42.5°	2502.5	2448.8	2390.9	2327.9	2390.9	2448.8	2502.5	2553.0	2601.1	2647.9	2694.7
40°	2607.0	2558.7	2506.1	2448.2	2506.1	2558.7	2607.0	2652.3	2695.3	2737.1	2777.6
37.5°	2703.2	2660.0	2612.7	2560.2	2612.7	2660.0	2703.2	2743.7	2782.3	2820.3	2855.9
35°	2792.8	2755.1	2713.3	2666.3	2713.3	2755.1	2792.8	2827.7	2861.2	2893.9	2926.4
32.5°	2871.8	2837.4	2799.2	2755.9	2799.2	2837.4	2871.8	2903.5	2933.4	2961.8	2991.3
30°	2946.8	2918.2	2885.7	2847.8	2885.7	2918.2	2946.8	2972.8	2997.7	3022.5	3055.8
27.5°	3013.6	2989.7	2962.5	2930.3	2962.5	2989.7	3013.6	3036.2	3058.8	3079.1	3115.7
25°	3067.2	3044.4	3018.5	2988.3	3018.5	3044.4	3067.2	3087.9	3107.2	3135.0	3171.2
22.5°	3118.2	3101.8	3081.9	3056.7	3081.9	3101.8	3118.2	3132.9	3148.5	3183.4	3219.9
20°	3163.2	3150.9	3138.0	3121.0	3138.0	3150.9	3163.2	3177.5	3197.5	3224.4	3260.3
17.5°	3198.2	3188.6	3174.9	3156.6	3174.9	3188.6	3198.2	3205.7	3236.3	3268.3	3294.9
15°	3228.0	3216.3	3204.1	3189.2	3204.1	3216.3	3228.0	3245.8	3267.0	3297.8	3333.7
12.5°	3249.5	3241.9	3235.8	3226.1	3235.8	3241.9	3249.5	3271.6	3298.3	3323.2	3360.6
10°	3273.6	3254.5	3243.3	3232.2	3243.3	3254.5	3273.6	3291.8	3318.0	3349.1	3376.8
7.5°	3281.6	3264.1	3260.1	3259.9	3260.1	3264.1	3281.6	3307.1	3334.7	3356.0	3376.5
5°	3290.8	3274.4	3268.7	3261.2	3268.7	3274.4	3290.8	3310.0	3328.9	3351.0	3376.7
2.5°	3284.7	3271.2	3264.0	3268.1	3264.0	3271.2	3284.7	3303.0	3323.7	3347.6	3378.3
0°	3273.8	3263.9	3250.8	3255.1	3250.8	3263.9	3273.8	3300.5	3322.0	3347.7	3382.5
-2.5°	3284.7	3271.2	3264.0	3268.1	3264.0	3271.2	3284.7	3303.0	3323.7	3347.6	3378.3
-5°	3290.8	3274.4	3268.7	3261.2	3268.7	3274.4	3290.8	3310.0	3328.9	3351.0	3376.7
-7.5°	3281.6	3264.1	3260.1	3259.9	3260.1	3264.1	3281.6	3307.1	3334.7	3356.0	3376.5
-10°	3273.6	3254.5	3243.3	3232.2	3243.3	3254.5	3273.6	3291.8	3318.0	3349.1	3376.8
-12.5°	3249.5	3241.9	3235.8	3226.1	3235.8	3241.9	3249.5	3271.6	3298.3	3323.2	3360.6
-15°	3228.0	3216.3	3204.1	3189.2	3204.1	3216.3	3228.0	3245.8	3267.0	3297.8	3333.7
-17.5°	3198.2	3188.6	3174.9	3156.6	3174.9	3188.6	3198.2	3205.7	3236.3	3268.3	3294.9
-20°	3163.2	3150.9	3138.0	3121.0	3138.0	3150.9	3163.2	3177.5	3197.5	3224.4	3260.3

Classified

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

Scaled Data Report



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3118.2	3101.8	3081.9	3056.7	3081.9	3101.8	3118.2	3132.9	3148.5	3183.4	3219.9
-25°	3067.2	3044.4	3018.5	2988.3	3018.5	3044.4	3067.2	3087.9	3107.2	3135.0	3171.2
-27.5°	3013.6	2989.7	2962.5	2930.3	2962.5	2989.7	3013.6	3036.2	3058.8	3079.1	3115.7
-30°	2946.8	2918.2	2885.7	2847.8	2885.7	2918.2	2946.8	2972.8	2997.7	3022.5	3055.8
-32.5°	2871.8	2837.4	2799.2	2755.9	2799.2	2837.4	2871.8	2903.5	2933.4	2961.8	2991.3
-35°	2792.8	2755.1	2713.3	2666.3	2713.3	2755.1	2792.8	2827.7	2861.2	2893.9	2926.4
-37.5°	2703.2	2660.0	2612.7	2560.2	2612.7	2660.0	2703.2	2743.7	2782.3	2820.3	2855.9
-40°	2607.0	2558.7	2506.1	2448.2	2506.1	2558.7	2607.0	2652.3	2695.3	2737.1	2777.6
-42.5°	2502.5	2448.8	2390.9	2327.9	2390.9	2448.8	2502.5	2553.0	2601.1	2647.9	2694.7
-45°	2391.4	2332.1	2269.1	2201.0	2269.1	2332.1	2391.4	2448.0	2503.0	2557.6	2612.1
-47.5°	2272.6	2206.3	2135.9	2060.4	2135.9	2206.3	2272.6	2335.6	2396.2	2455.2	2513.6
-50°	2144.2	2071.0	1994.2	1912.7	1994.2	2071.0	2144.2	2214.7	2283.3	2350.9	2418.5
-52.5°	2014.2	1933.7	1849.6	1760.8	1849.6	1933.7	2014.2	2091.7	2166.9	2240.6	2313.5
-55°	1876.7	1789.6	1698.8	1603.9	1698.8	1789.6	1876.7	1961.0	2043.1	2123.8	2203.8
-57.5°	1734.3	1640.2	1542.6	1441.0	1542.6	1640.2	1734.3	1825.6	1914.7	2002.3	2088.8
-60°	1587.5	1486.8	1382.8	1275.0	1382.8	1486.8	1587.5	1685.2	1780.4	1873.5	1964.9
-62.5°	1437.1	1331.6	1222.9	1110.8	1222.9	1331.6	1437.1	1539.7	1639.8	1737.7	1833.7
-65°	1284.7	1175.3	1062.9	947.4	1062.9	1175.3	1284.7	1391.3	1495.2	1596.6	1695.6
-67.5°	1130.2	1019.4	905.8	789.0	905.8	1019.4	1130.2	1237.9	1342.7	1444.5	1543.6
-70°	959.8	850.4	737.2	620.8	737.2	850.4	959.8	1064.7	1164.3	1258.2	1345.7
-72.5°	762.1	666.1	566.9	465.1	566.9	666.1	762.1	854.0	941.1	1022.6	1097.9
-75°	581.9	504.6	424.2	341.9	424.2	504.6	581.9	655.6	724.9	789.0	847.2
-77.5°	404.1	347.8	289.4	229.5	289.4	347.8	404.1	457.6	507.7	553.8	595.2
-80°	254.0	218.5	181.7	144.2	181.7	218.5	254.0	288.1	320.3	350.3	377.7
-82.5°	155.4	134.9	114.0	92.6	114.0	134.9	155.4	175.0	193.6	211.1	227.1
-85°	89.1	80.1	70.9	61.4	70.9	80.1	89.1	97.8	106.1	114.0	121.2
-87.5°	42.8	40.0	37.1	34.1	37.1	40.0	42.8	45.5	48.0	50.5	52.8
-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: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

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°	54.8	56.7	58.4	59.8	60.9	57.5	54.0	50.6	47.2	43.8	40.4
85°	127.9	133.9	139.2	143.6	146.7	135.5	124.5	113.8	103.6	93.8	84.6
82.5°	241.5	254.2	265.0	273.6	277.2	250.6	224.9	200.3	177.1	155.3	135.2
80°	402.1	423.3	440.9	454.6	455.8	408.7	362.5	317.6	274.3	236.5	204.7
77.5°	631.4	661.7	685.8	702.9	693.0	617.2	542.4	473.2	414.7	358.5	305.0
75°	898.7	943.0	979.4	1007.3	986.9	887.8	791.9	698.7	607.7	519.3	434.0
72.5°	1166.2	1226.9	1279.3	1323.0	1290.2	1173.1	1055.3	938.7	823.7	710.7	603.4
70°	1426.1	1499.1	1564.0	1620.5	1567.2	1443.6	1316.0	1184.6	1049.3	916.6	788.8
67.5°	1639.8	1733.3	1824.2	1903.0	1826.1	1702.7	1571.6	1432.7	1287.7	1138.9	986.3
65°	1792.4	1887.1	1980.1	2065.3	1999.7	1913.1	1812.0	1680.3	1528.9	1368.7	1200.8
62.5°	1928.1	2021.2	2111.5	2179.1	2129.6	2064.8	1980.6	1874.2	1749.8	1604.6	1428.8
60°	2055.0	2144.2	2230.9	2277.7	2249.1	2205.2	2136.9	2049.3	1941.8	1804.4	1645.6
57.5°	2175.1	2260.0	2342.7	2373.4	2362.2	2333.0	2284.4	2217.6	2121.1	1998.6	1851.0
55°	2283.7	2363.0	2442.9	2465.9	2468.8	2453.2	2423.2	2371.2	2291.3	2190.0	2047.0
52.5°	2386.3	2459.3	2526.6	2551.7	2564.6	2564.6	2550.8	2510.1	2452.5	2359.8	2237.9
50°	2485.3	2551.7	2604.3	2634.2	2655.1	2667.2	2661.6	2638.7	2593.2	2518.9	2414.6
47.5°	2573.8	2636.3	2683.2	2716.8	2742.4	2759.8	2763.9	2756.8	2720.1	2665.5	2570.8
45°	2663.7	2714.9	2755.5	2793.9	2827.1	2847.8	2859.3	2855.9	2839.1	2790.5	2720.2
42.5°	2743.9	2793.4	2835.4	2870.7	2902.9	2930.1	2948.5	2951.0	2939.4	2909.3	2844.2
40°	2818.3	2861.8	2906.4	2948.4	2980.8	3007.6	3028.2	3041.6	3033.6	3010.4	2965.3
37.5°	2894.0	2935.7	2975.8	3015.4	3053.1	3084.3	3105.4	3119.1	3124.1	3104.5	3064.8
35°	2966.4	3006.7	3045.3	3082.5	3119.3	3152.7	3180.4	3195.5	3200.9	3193.3	3156.8
32.5°	3032.2	3072.2	3112.1	3147.7	3182.7	3217.2	3246.5	3268.2	3277.1	3271.8	3201.6
30°	3095.1	3133.1	3171.1	3210.1	3244.1	3277.1	3309.9	3334.0	3347.0	3314.3	3244.1
27.5°	3153.1	3192.0	3227.9	3264.6	3303.1	3335.4	3366.9	3396.6	3389.5	3341.7	3275.0
25°	3206.4	3243.8	3282.6	3318.0	3354.3	3392.4	3422.6	3431.0	3408.2	3367.1	3306.5
22.5°	3254.9	3291.3	3330.2	3370.3	3404.8	3441.9	3455.5	3443.9	3428.4	3389.5	3330.3
20°	3300.0	3334.7	3373.8	3415.1	3455.0	3465.2	3468.8	3457.6	3440.5	3408.1	3352.6
17.5°	3334.5	3377.5	3413.5	3457.5	3471.0	3475.7	3477.4	3472.4	3452.9	3427.5	3374.3
15°	3362.7	3412.2	3446.3	3461.8	3477.1	3486.8	3486.3	3488.1	3465.7	3441.9	3390.4
12.5°	3398.6	3421.5	3453.2	3468.7	3483.7	3495.9	3496.5	3496.7	3479.2	3452.3	3405.3
10°	3405.7	3422.6	3453.3	3476.3	3491.5	3503.2	3507.2	3505.4	3492.7	3462.3	3419.2
7.5°	3402.8	3428.0	3454.2	3483.2	3501.3	3511.3	3517.9	3514.3	3505.7	3471.7	3431.6
5°	3402.6	3433.0	3458.4	3490.2	3512.6	3520.1	3528.6	3523.2	3517.9	3480.0	3442.0
2.5°	3405.6	3438.8	3466.0	3498.0	3525.1	3529.7	3539.0	3532.1	3528.7	3487.2	3449.7
0°	3412.2	3446.5	3476.7	3507.5	3538.3	3539.9	3549.1	3540.9	3537.8	3492.8	3454.1
-2.5°	3405.6	3438.8	3466.0	3498.0	3525.1	3529.7	3539.0	3532.1	3528.7	3487.2	3449.7
-5°	3402.6	3433.0	3458.4	3490.2	3512.6	3520.1	3528.6	3523.2	3517.9	3480.0	3442.0
-7.5°	3402.8	3428.0	3454.2	3483.2	3501.3	3511.3	3517.9	3514.3	3505.7	3471.7	3431.6
-10°	3405.7	3422.6	3453.3	3476.3	3491.5	3503.2	3507.2	3505.4	3492.7	3462.3	3419.2
-12.5°	3398.6	3421.5	3453.2	3468.7	3483.7	3495.9	3496.5	3496.7	3479.2	3452.3	3405.3
-15°	3362.7	3412.2	3446.3	3461.8	3477.1	3486.8	3486.3	3488.1	3465.7	3441.9	3390.4
-17.5°	3334.5	3377.5	3413.5	3457.5	3471.0	3475.7	3477.4	3472.4	3452.9	3427.5	3374.3
-20°	3300.0	3334.7	3373.8	3415.1	3455.0	3465.2	3468.8	3457.6	3440.5	3408.1	3352.6

Classified

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

Scaled Data Report



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3254.9	3291.3	3330.2	3370.3	3404.8	3441.9	3455.5	3443.9	3428.4	3389.5	3330.3
-25°	3206.4	3243.8	3282.6	3318.0	3354.3	3392.4	3422.6	3431.0	3408.2	3367.1	3306.5
-27.5°	3153.1	3192.0	3227.9	3264.6	3303.1	3335.4	3366.9	3396.6	3389.5	3341.7	3275.0
-30°	3095.1	3133.1	3171.1	3210.1	3244.1	3277.1	3309.9	3334.0	3347.0	3314.3	3244.1
-32.5°	3032.2	3072.2	3112.1	3147.7	3182.7	3217.2	3246.5	3268.2	3277.1	3271.8	3201.6
-35°	2966.4	3006.7	3045.3	3082.5	3119.3	3152.7	3180.4	3195.5	3200.9	3193.3	3156.8
-37.5°	2894.0	2935.7	2975.8	3015.4	3053.1	3084.3	3105.4	3119.1	3124.1	3104.5	3064.8
-40°	2818.3	2861.8	2906.4	2948.4	2980.8	3007.6	3028.2	3041.6	3033.6	3010.4	2965.3
-42.5°	2743.9	2793.4	2835.4	2870.7	2902.9	2930.1	2948.5	2951.0	2939.4	2909.3	2844.2
-45°	2663.7	2714.9	2755.5	2793.9	2827.1	2847.8	2859.3	2855.9	2839.1	2790.5	2720.2
-47.5°	2573.8	2636.3	2683.2	2716.8	2742.4	2759.8	2763.9	2756.8	2720.1	2665.5	2570.8
-50°	2485.3	2551.7	2604.3	2634.2	2655.1	2667.2	2661.6	2638.7	2593.2	2518.9	2414.6
-52.5°	2386.3	2459.3	2526.6	2551.7	2564.6	2564.6	2550.8	2510.1	2452.5	2359.8	2237.9
-55°	2283.7	2363.0	2442.9	2465.9	2468.8	2453.2	2423.2	2371.2	2291.3	2190.0	2047.0
-57.5°	2175.1	2260.0	2342.7	2373.4	2362.2	2333.0	2284.4	2217.6	2121.1	1998.6	1851.0
-60°	2055.0	2144.2	2230.9	2277.7	2249.1	2205.2	2136.9	2049.3	1941.8	1804.4	1645.6
-62.5°	1928.1	2021.2	2111.5	2179.1	2129.6	2064.8	1980.6	1874.2	1749.8	1604.6	1428.8
-65°	1792.4	1887.1	1980.1	2065.3	1999.7	1913.1	1812.0	1680.3	1528.9	1368.7	1200.8
-67.5°	1639.8	1733.3	1824.2	1903.0	1826.1	1702.7	1571.6	1432.7	1287.7	1138.9	986.3
-70°	1426.1	1499.1	1564.0	1620.5	1567.2	1443.6	1316.0	1184.6	1049.3	916.6	788.8
-72.5°	1166.2	1226.9	1279.3	1323.0	1290.2	1173.1	1055.3	938.7	823.7	710.7	603.4
-75°	898.7	943.0	979.4	1007.3	986.9	887.8	791.9	698.7	607.7	519.3	434.0
-77.5°	631.4	661.7	685.8	702.9	693.0	617.2	542.4	473.2	414.7	358.5	305.0
-80°	402.1	423.3	440.9	454.6	455.8	408.7	362.5	317.6	274.3	236.5	204.7
-82.5°	241.5	254.2	265.0	273.6	277.2	250.6	224.9	200.3	177.1	155.3	135.2
-85°	127.9	133.9	139.2	143.6	146.7	135.5	124.5	113.8	103.6	93.8	84.6
-87.5°	54.8	56.7	58.4	59.8	60.9	57.5	54.0	50.6	47.2	43.8	40.4
-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: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

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°	37.1	33.9	30.7	27.7	24.8	21.9	18.9	16.0	13.4	11.0	8.8
85°	76.0	68.0	60.8	54.3	48.6	43.7	37.6	32.0	26.8	21.9	17.5
82.5°	116.9	102.2	89.4	77.7	67.2	58.1	51.2	44.7	38.4	32.5	26.1
80°	175.3	148.5	124.6	103.7	86.0	72.2	63.6	55.4	47.5	40.1	33.1
77.5°	254.4	206.9	163.0	131.7	106.0	86.8	76.3	66.1	56.4	47.5	39.2
75°	352.1	289.5	233.7	182.5	136.0	101.0	88.9	77.2	65.8	54.9	45.2
72.5°	504.4	410.0	320.7	239.3	182.9	140.8	111.3	88.1	75.3	63.0	51.2
70°	664.5	544.3	436.5	338.3	246.8	180.8	146.0	114.0	84.9	70.9	57.9
67.5°	830.5	694.5	563.6	438.2	330.6	253.0	185.1	142.7	109.2	78.9	64.3
65°	1034.0	863.5	693.0	553.8	421.3	327.6	250.6	178.8	132.5	98.3	70.5
62.5°	1243.4	1052.5	867.5	679.2	526.1	417.5	313.3	233.5	159.6	116.8	83.0
60°	1462.9	1259.4	1045.7	841.7	654.8	511.3	394.3	285.5	204.5	134.3	97.3
57.5°	1671.1	1467.5	1244.5	1010.6	806.7	626.3	477.4	352.4	247.0	166.4	110.8
55°	1878.0	1674.9	1443.2	1196.8	963.1	757.0	570.8	425.0	292.6	200.5	123.4
52.5°	2077.6	1880.2	1648.2	1385.1	1130.2	886.9	682.0	495.0	355.3	232.5	148.7
50°	2267.1	2081.1	1850.3	1574.4	1291.7	1031.2	787.0	585.7	415.3	269.2	173.9
47.5°	2446.8	2269.2	2039.9	1752.3	1457.0	1167.6	904.0	673.7	472.7	320.0	197.2
45°	2601.5	2447.8	2205.1	1915.8	1613.2	1306.5	1020.0	755.7	545.3	368.3	218.6
42.5°	2750.3	2592.8	2348.5	2070.7	1757.0	1440.7	1128.2	850.2	613.0	414.0	250.0
40°	2875.6	2704.0	2477.7	2198.6	1891.9	1565.8	1240.6	940.9	675.4	460.9	287.5
37.5°	2977.4	2797.8	2578.9	2320.7	2014.9	1681.5	1346.3	1024.3	737.3	511.7	322.6
35°	3036.8	2879.4	2677.2	2422.6	2121.0	1789.0	1443.3	1105.0	806.1	557.8	355.2
32.5°	3095.0	2951.6	2752.8	2509.0	2220.7	1888.0	1532.7	1185.4	868.4	599.3	385.2
30°	3140.9	3004.5	2824.6	2591.2	2308.0	1972.3	1614.8	1257.8	924.1	635.9	414.0
27.5°	3183.0	3056.8	2889.3	2657.1	2377.0	2049.2	1688.6	1322.1	973.2	672.7	443.5
25°	3221.1	3097.4	2933.8	2715.3	2440.8	2118.8	1754.0	1378.3	1021.7	712.0	469.1
22.5°	3248.2	3133.0	2976.3	2769.8	2499.2	2180.6	1809.8	1429.9	1066.1	745.8	490.8
20°	3274.6	3167.3	3016.5	2816.8	2545.4	2224.8	1857.1	1473.5	1103.4	773.9	508.7
17.5°	3298.7	3193.8	3044.2	2846.3	2582.1	2262.7	1896.7	1509.1	1133.4	796.3	522.8
15°	3315.3	3212.5	3067.2	2872.1	2613.4	2293.9	1928.4	1536.8	1156.3	813.3	533.2
12.5°	3330.3	3228.9	3087.0	2893.4	2638.7	2317.9	1951.9	1556.3	1172.1	824.8	540.1
10°	3343.4	3242.6	3103.0	2909.9	2657.4	2334.3	1967.0	1567.7	1180.8	831.0	543.4
7.5°	3354.0	3253.2	3114.5	2920.8	2668.9	2342.8	1973.5	1571.0	1182.6	831.9	543.4
5°	3361.8	3260.0	3121.1	2925.6	2672.7	2342.8	1971.2	1566.2	1177.7	827.9	540.2
2.5°	3366.2	3262.7	3122.0	2923.6	2668.1	2334.1	1959.9	1553.4	1166.2	819.0	534.0
0°	3366.9	3260.5	3116.8	2914.3	2654.7	2316.3	1939.5	1532.7	1148.3	805.5	524.9
-2.5°	3366.2	3262.7	3122.0	2923.6	2668.1	2334.1	1959.9	1553.4	1166.2	819.0	534.0
-5°	3361.8	3260.0	3121.1	2925.6	2672.7	2342.8	1971.2	1566.2	1177.7	827.9	540.2
-7.5°	3354.0	3253.2	3114.5	2920.8	2668.9	2342.8	1973.5	1571.0	1182.6	831.9	543.4
-10°	3343.4	3242.6	3103.0	2909.9	2657.4	2334.3	1967.0	1567.7	1180.8	831.0	543.4
-12.5°	3330.3	3228.9	3087.0	2893.4	2638.7	2317.9	1951.9	1556.3	1172.1	824.8	540.1
-15°	3315.3	3212.5	3067.2	2872.1	2613.4	2293.9	1928.4	1536.8	1156.3	813.3	533.2
-17.5°	3298.7	3193.8	3044.2	2846.3	2582.1	2262.7	1896.7	1509.1	1133.4	796.3	522.8
-20°	3274.6	3167.3	3016.5	2816.8	2545.4	2224.8	1857.1	1473.5	1103.4	773.9	508.7



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3248.2	3133.0	2976.3	2769.8	2499.2	2180.6	1809.8	1429.9	1066.1	745.8	490.8
-25°	3221.1	3097.4	2933.8	2715.3	2440.8	2118.8	1754.0	1378.3	1021.7	712.0	469.1
-27.5°	3183.0	3056.8	2889.3	2657.1	2377.0	2049.2	1688.6	1322.1	973.2	672.7	443.5
-30°	3140.9	3004.5	2824.6	2591.2	2308.0	1972.3	1614.8	1257.8	924.1	635.9	414.0
-32.5°	3095.0	2951.6	2752.8	2509.0	2220.7	1888.0	1532.7	1185.4	868.4	599.3	385.2
-35°	3036.8	2879.4	2677.2	2422.6	2121.0	1789.0	1443.3	1105.0	806.1	557.8	355.2
-37.5°	2977.4	2797.8	2578.9	2320.7	2014.9	1681.5	1346.3	1024.3	737.3	511.7	322.6
-40°	2875.6	2704.0	2477.7	2198.6	1891.9	1565.8	1240.6	940.9	675.4	460.9	287.5
-42.5°	2750.3	2592.8	2348.5	2070.7	1757.0	1440.7	1128.2	850.2	613.0	414.0	250.0
-45°	2601.5	2447.8	2205.1	1915.8	1613.2	1306.5	1020.0	755.7	545.3	368.3	218.6
-47.5°	2446.8	2269.2	2039.9	1752.3	1457.0	1167.6	904.0	673.7	472.7	320.0	197.2
-50°	2267.1	2081.1	1850.3	1574.4	1291.7	1031.2	787.0	585.7	415.3	269.2	173.9
-52.5°	2077.6	1880.2	1648.2	1385.1	1130.2	886.9	682.0	495.0	355.3	232.5	148.7
-55°	1878.0	1674.9	1443.2	1196.8	963.1	757.0	570.8	425.0	292.6	200.5	123.4
-57.5°	1671.1	1467.5	1244.5	1010.6	806.7	626.3	477.4	352.4	247.0	166.4	110.8
-60°	1462.9	1259.4	1045.7	841.7	654.8	511.3	394.3	285.5	204.5	134.3	97.3
-62.5°	1243.4	1052.5	867.5	679.2	526.1	417.5	313.3	233.5	159.6	116.8	83.0
-65°	1034.0	863.5	693.0	553.8	421.3	327.6	250.6	178.8	132.5	98.3	70.5
-67.5°	830.5	694.5	563.6	438.2	330.6	253.0	185.1	142.7	109.2	78.9	64.3
-70°	664.5	544.3	436.5	338.3	246.8	180.8	146.0	114.0	84.9	70.9	57.9
-72.5°	504.4	410.0	320.7	239.3	182.9	140.8	111.3	88.1	75.3	63.0	51.2
-75°	352.1	289.5	233.7	182.5	136.0	101.0	88.9	77.2	65.8	54.9	45.2
-77.5°	254.4	206.9	163.0	131.7	106.0	86.8	76.3	66.1	56.4	47.5	39.2
-80°	175.3	148.5	124.6	103.7	86.0	72.2	63.6	55.4	47.5	40.1	33.1
-82.5°	116.9	102.2	89.4	77.7	67.2	58.1	51.2	44.7	38.4	32.5	26.1
-85°	76.0	68.0	60.8	54.3	48.6	43.7	37.6	32.0	26.8	21.9	17.5
-87.5°	37.1	33.9	30.7	27.7	24.8	21.9	18.9	16.0	13.4	11.0	8.8
-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: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

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°	6.8	5.0	3.5	2.3	1.3	0.5	0.0
85°	13.6	10.1	7.1	4.5	2.5	1.0	0.0
82.5°	20.3	15.0	10.5	6.8	3.8	1.5	0.0
80°	26.6	19.9	14.0	9.0	5.0	2.0	0.0
77.5°	31.5	24.3	17.3	11.1	6.2	2.5	0.0
75°	36.3	28.0	20.5	13.2	7.4	3.0	0.0
72.5°	40.9	31.6	23.1	15.3	8.5	3.4	0.0
70°	45.5	35.0	25.7	17.2	9.7	3.9	0.0
67.5°	50.8	38.4	28.1	18.9	10.7	4.4	0.0
65°	55.9	42.0	30.5	20.6	11.8	4.8	0.0
62.5°	60.8	45.9	32.7	22.1	12.8	5.2	0.0
60°	65.5	49.7	34.8	23.6	13.7	5.6	0.0
57.5°	75.6	53.2	37.5	25.0	14.6	6.0	0.0
55°	85.8	56.6	40.2	26.3	15.4	6.3	0.0
52.5°	95.2	60.5	42.6	27.5	16.2	6.7	0.0
50°	103.9	67.4	45.0	28.6	16.9	7.0	0.0
47.5°	113.4	73.8	47.1	29.8	17.5	7.3	0.0
45°	131.5	79.6	49.1	31.2	18.1	7.6	0.0
42.5°	148.1	84.8	50.9	32.6	18.7	7.8	0.0
40°	163.0	89.4	53.6	33.8	19.2	8.1	0.0
37.5°	176.4	93.4	56.9	35.0	19.6	8.3	0.0
35°	188.2	101.2	59.9	36.0	20.0	8.5	0.0
32.5°	202.9	110.3	62.4	36.8	20.3	8.6	0.0
30°	226.5	118.2	64.5	37.6	20.5	8.7	0.0
27.5°	247.9	125.0	66.2	38.2	20.7	8.9	0.0
25°	267.0	130.5	67.5	38.7	20.9	8.9	0.0
22.5°	283.7	134.9	68.4	39.1	21.0	9.0	0.0
20°	298.2	138.3	68.9	39.3	21.0	9.0	0.0
17.5°	310.2	140.5	69.1	39.5	21.0	9.1	0.0
15°	319.8	141.6	68.9	39.5	20.9	9.1	0.0
12.5°	327.1	141.8	68.4	39.3	20.8	9.0	0.0
10°	332.0	141.0	67.6	39.1	20.6	9.0	0.0
7.5°	334.4	139.3	66.5	38.7	20.4	8.9	0.0
5°	334.5	136.8	65.1	38.3	20.1	8.8	0.0
2.5°	332.2	133.5	63.5	37.7	19.8	8.7	0.0
0°	327.6	129.4	61.7	37.0	19.4	8.6	0.0
-2.5°	332.2	133.5	63.5	37.7	19.8	8.7	0.0
-5°	334.5	136.8	65.1	38.3	20.1	8.8	0.0
-7.5°	334.4	139.3	66.5	38.7	20.4	8.9	0.0
-10°	332.0	141.0	67.6	39.1	20.6	9.0	0.0
-12.5°	327.1	141.8	68.4	39.3	20.8	9.0	0.0
-15°	319.8	141.6	68.9	39.5	20.9	9.1	0.0
-17.5°	310.2	140.5	69.1	39.5	21.0	9.1	0.0
-20°	298.2	138.3	68.9	39.3	21.0	9.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P670561 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLL100FSUNVDBZK-80W-4000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	283.7	134.9	68.4	39.1	21.0	9.0	0.0
-25°	267.0	130.5	67.5	38.7	20.9	8.9	0.0
-27.5°	247.9	125.0	66.2	38.2	20.7	8.9	0.0
-30°	226.5	118.2	64.5	37.6	20.5	8.7	0.0
-32.5°	202.9	110.3	62.4	36.8	20.3	8.6	0.0
-35°	188.2	101.2	59.9	36.0	20.0	8.5	0.0
-37.5°	176.4	93.4	56.9	35.0	19.6	8.3	0.0
-40°	163.0	89.4	53.6	33.8	19.2	8.1	0.0
-42.5°	148.1	84.8	50.9	32.6	18.7	7.8	0.0
-45°	131.5	79.6	49.1	31.2	18.1	7.6	0.0
-47.5°	113.4	73.8	47.1	29.8	17.5	7.3	0.0
-50°	103.9	67.4	45.0	28.6	16.9	7.0	0.0
-52.5°	95.2	60.5	42.6	27.5	16.2	6.7	0.0
-55°	85.8	56.6	40.2	26.3	15.4	6.3	0.0
-57.5°	75.6	53.2	37.5	25.0	14.6	6.0	0.0
-60°	65.5	49.7	34.8	23.6	13.7	5.6	0.0
-62.5°	60.8	45.9	32.7	22.1	12.8	5.2	0.0
-65°	55.9	42.0	30.5	20.6	11.8	4.8	0.0
-67.5°	50.8	38.4	28.1	18.9	10.7	4.4	0.0
-70°	45.5	35.0	25.7	17.2	9.7	3.9	0.0
-72.5°	40.9	31.6	23.1	15.3	8.5	3.4	0.0
-75°	36.3	28.0	20.5	13.2	7.4	3.0	0.0
-77.5°	31.5	24.3	17.3	11.1	6.2	2.5	0.0
-80°	26.6	19.9	14.0	9.0	5.0	2.0	0.0
-82.5°	20.3	15.0	10.5	6.8	3.8	1.5	0.0
-85°	13.6	10.1	7.1	4.5	2.5	1.0	0.0
-87.5°	6.8	5.0	3.5	2.3	1.3	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)