

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: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLXL200FSUNVDBZSF-150W-5000K

Issue Date: 4/3/2023

Test Information

Test Method: LM-79-2019
Report Number: P670577 (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: GFLXL200FSUNVDBZSF-150W-5000K
Description: SLIM LED FLOODLIGHT
Light Source:
Ballast/Driver: -

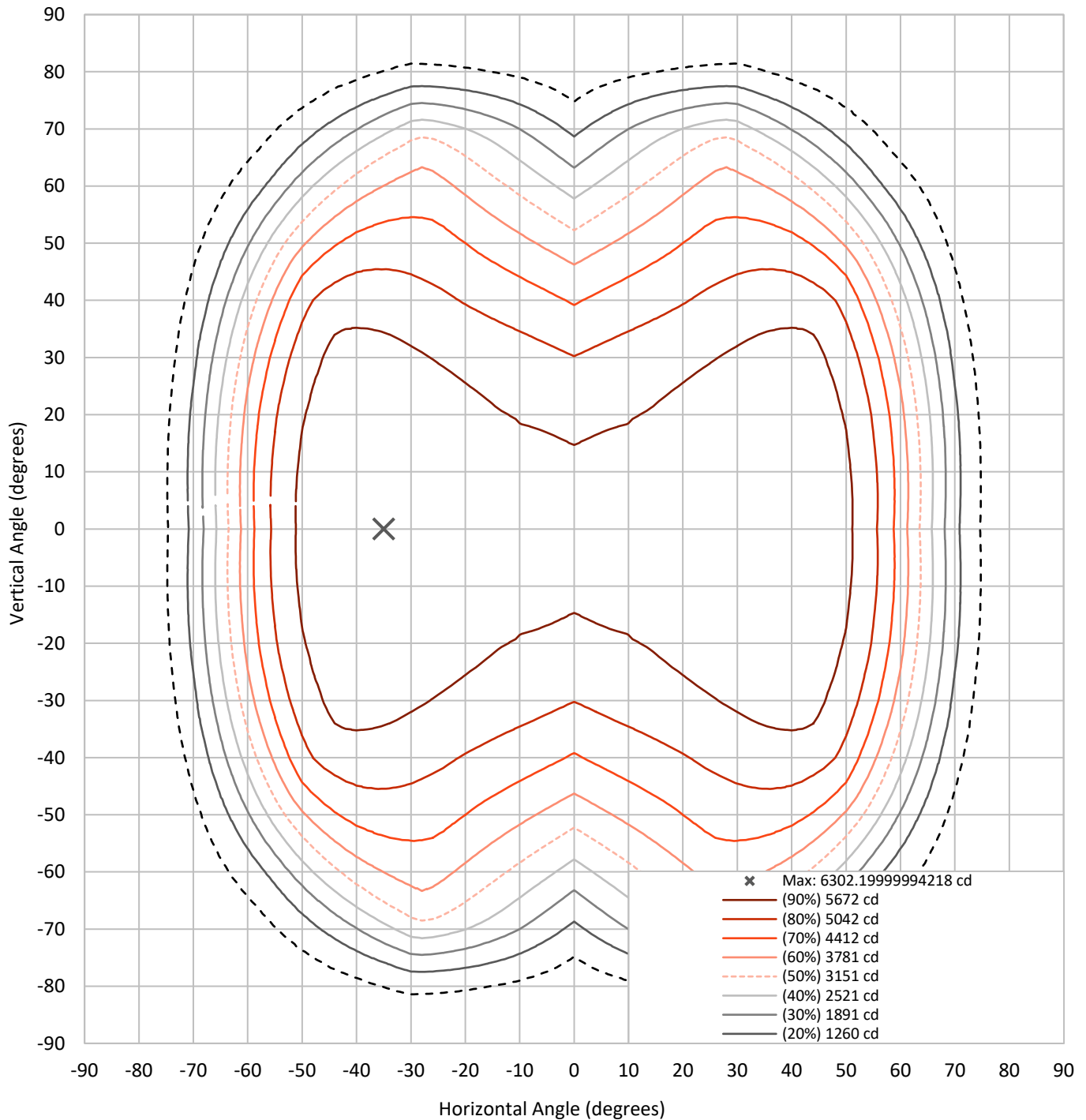
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	21678.3 lumens	Max Intensity:	6302.2 candela
Efficiency:	N/A	Max Intensity Angle:	-35°H x 0°V
Efficacy:	146.4 lumens/watt		
Luminous Opening:	Rectangular w/ Sides (W: 0.48' x L: 0.66' x H: 0.26')		
Beam Angle (50%):	127°H x 130.8°V	Field Angle (10%):	149.3°H x 160.3°V
Beam Lumens:	18816.2 lumens	Field Lumens:	21414.4 lumens
Beam Efficiency:	86.8%	Field Efficiency:	98.8%
Input Watts (W):	148.1		
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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CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

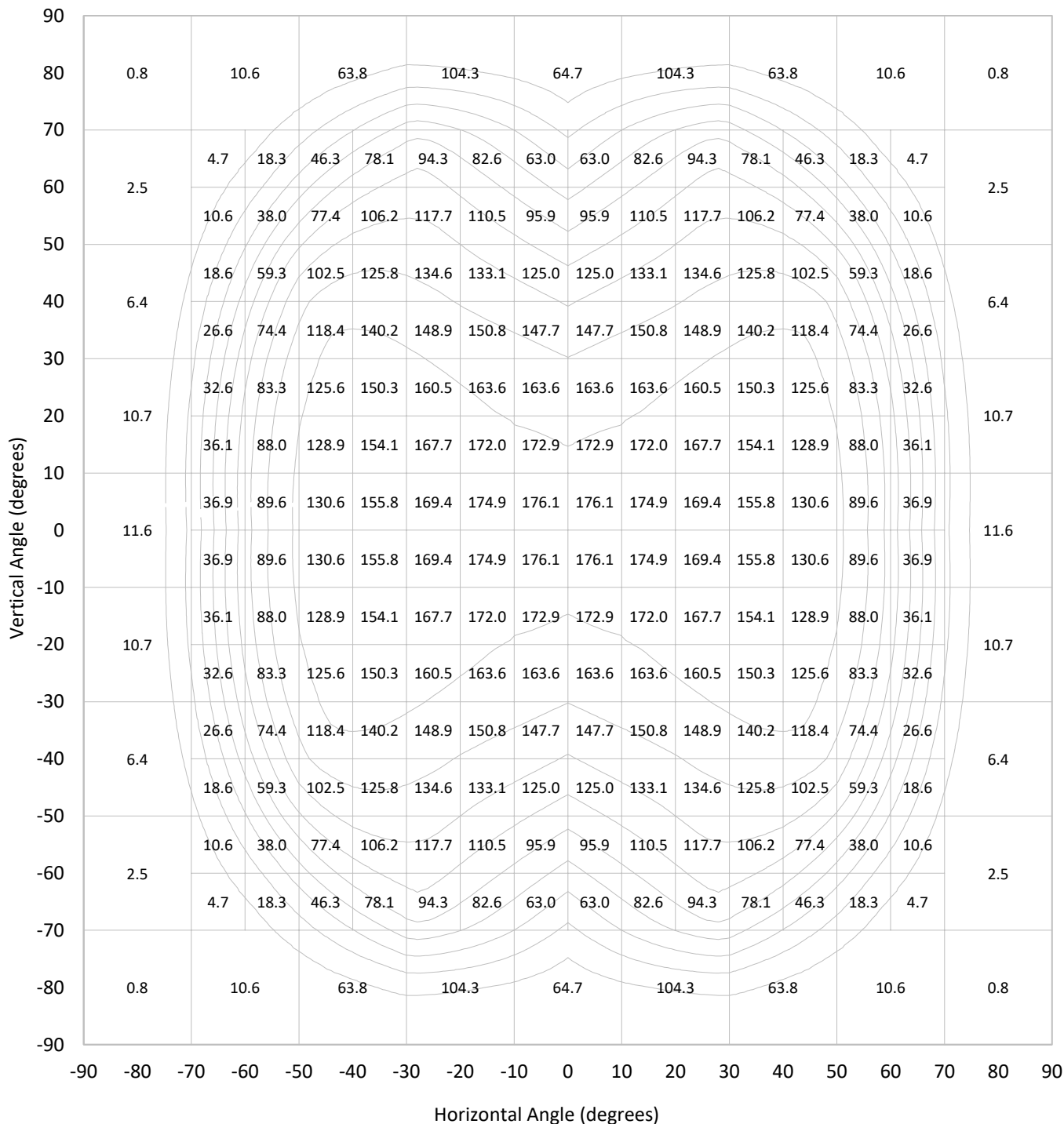
Iso-Candela Plot





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Lumen Table



Classified

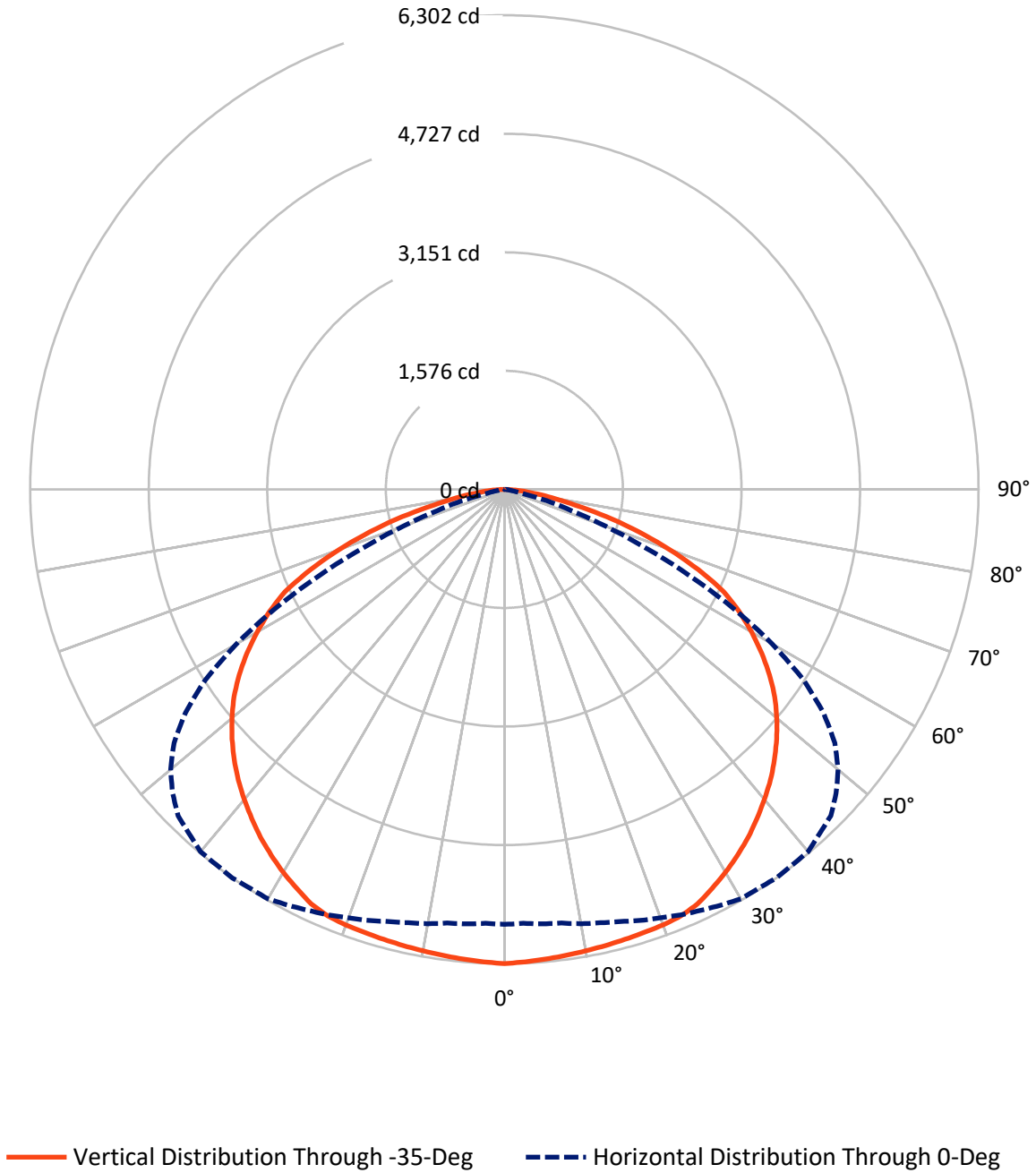
Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



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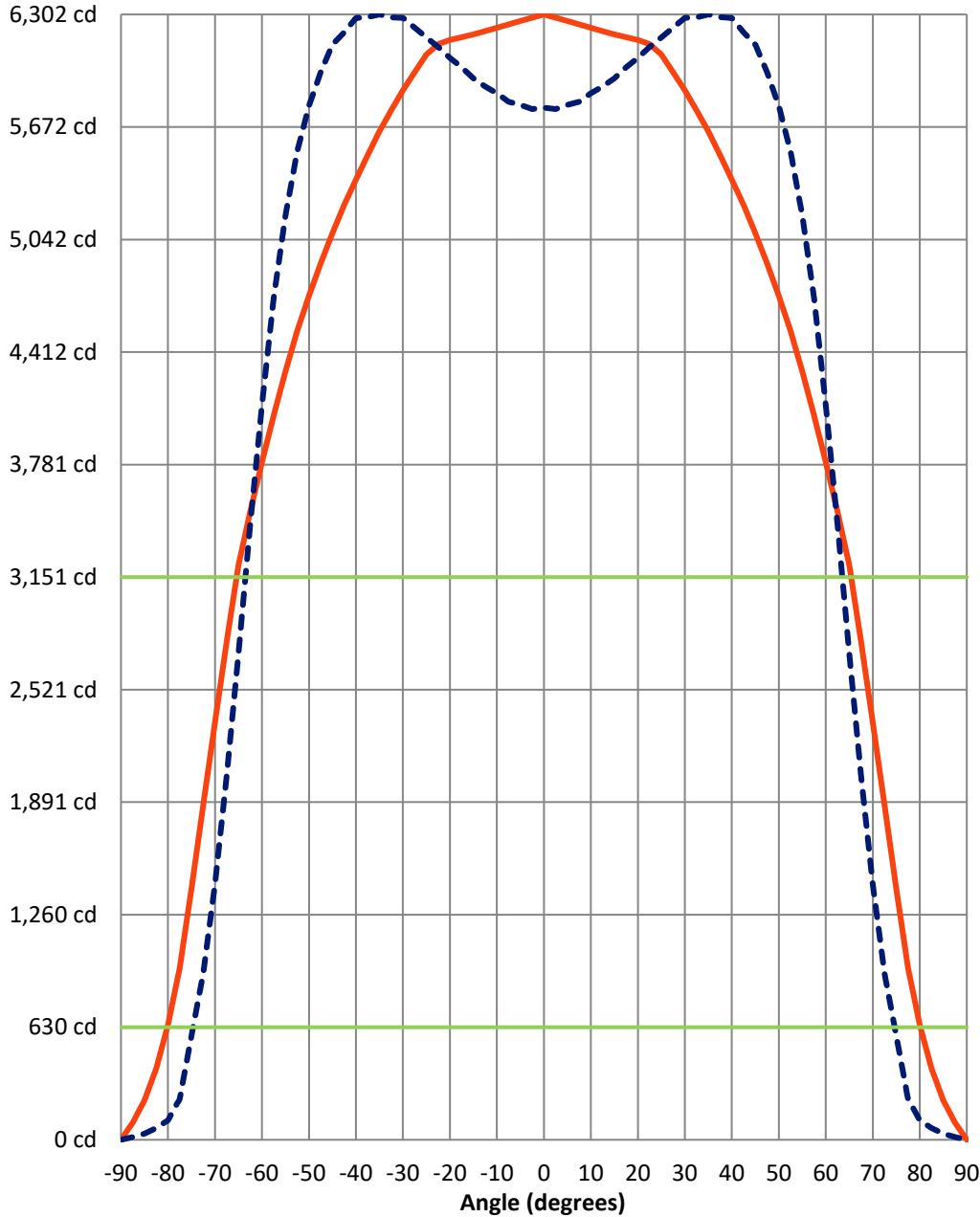
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 127°
 V Angle: 130.8°
 Lumens: 18816.2
 Efficiency: 86.8%

Field:
 H Angle: 149.3°
 V Angle: 160.3°
 Lumens: 21414.4
 Efficiency: 98.8%

Spill:
 Lumens: 263.9
 Efficiency: 1.2%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.9	2.2	4.0	6.3	9.0	12.1	15.6	19.5	23.8	28.5
85°	0.0	1.8	4.5	8.1	12.5	17.9	24.0	31.0	38.8	47.5	56.8
82.5°	0.0	2.7	6.7	12.1	18.7	26.7	35.9	46.3	57.6	68.3	79.4
80°	0.0	3.5	8.9	16.0	24.8	35.3	47.2	58.8	71.1	84.4	98.3
77.5°	0.0	4.4	11.0	19.8	30.8	43.2	55.9	69.6	84.4	100.2	117.3
75°	0.0	5.3	13.2	23.6	36.4	49.7	64.3	80.2	97.5	116.9	137.1
72.5°	0.0	6.1	15.2	27.3	41.1	56.1	72.5	91.0	111.9	133.7	156.4
70°	0.0	6.9	17.2	30.7	45.6	62.2	80.7	102.8	125.9	150.7	202.5
67.5°	0.0	7.7	19.1	33.7	49.9	68.1	90.1	114.2	140.1	193.9	253.5
65°	0.0	8.5	20.9	36.6	54.1	74.5	99.2	125.2	174.5	235.2	317.5
62.5°	0.0	9.2	22.7	39.3	58.1	81.5	107.9	147.3	207.4	283.5	414.6
60°	0.0	9.9	24.4	41.9	61.8	88.2	116.2	172.8	238.4	363.1	507.0
57.5°	0.0	10.6	25.9	44.4	66.7	94.6	134.2	196.7	295.4	438.6	625.7
55°	0.0	11.2	27.3	46.7	71.3	100.6	152.3	219.1	356.1	519.5	754.7
52.5°	0.0	11.8	28.7	48.9	75.7	107.4	169.1	264.0	412.9	630.8	878.9
50°	0.0	12.4	29.9	50.8	79.8	119.8	184.5	308.8	478.0	737.5	1040.0
47.5°	0.0	12.9	31.1	52.9	83.7	131.1	201.5	350.2	568.2	839.5	1196.3
45°	0.0	13.4	32.2	55.5	87.2	141.4	233.6	388.2	653.9	968.2	1341.9
42.5°	0.0	13.9	33.1	57.9	90.4	150.6	262.9	443.8	735.1	1088.5	1509.7
40°	0.0	14.3	34.0	60.1	95.2	158.7	289.5	510.4	818.3	1199.2	1670.7
37.5°	0.0	14.6	34.8	62.1	101.1	165.8	313.3	572.8	908.6	1309.2	1818.8
35°	0.0	15.0	35.4	63.9	106.4	179.7	334.1	630.7	990.6	1431.4	1962.2
32.5°	0.0	15.3	36.0	65.5	110.8	195.9	360.4	684.1	1064.1	1542.1	2104.9
30°	0.0	15.5	36.5	66.8	114.6	210.0	402.3	735.2	1129.2	1641.0	2233.5
27.5°	0.0	15.7	36.8	67.9	117.6	221.9	440.3	787.6	1194.5	1728.2	2347.7
25°	0.0	15.9	37.1	68.8	119.9	231.8	474.1	833.0	1264.4	1814.2	2447.6
22.5°	0.0	16.0	37.2	69.4	121.5	239.6	503.8	871.6	1324.3	1893.2	2539.0
20°	0.0	16.0	37.3	69.8	122.4	245.5	529.4	903.3	1374.1	1959.3	2616.4
17.5°	0.0	16.1	37.2	70.1	122.7	249.4	550.8	928.4	1414.0	2012.7	2679.8
15°	0.0	16.1	37.1	70.1	122.4	251.5	567.9	946.9	1444.1	2053.3	2728.8
12.5°	0.0	16.0	36.9	69.8	121.5	251.8	580.8	959.0	1464.6	2081.3	2763.5
10°	0.0	16.0	36.5	69.4	120.0	250.4	589.5	964.9	1475.5	2096.8	2783.8
7.5°	0.0	15.8	36.1	68.8	118.0	247.4	593.9	964.9	1477.3	2100.1	2789.6
5°	0.0	15.7	35.6	67.9	115.6	242.9	594.0	959.3	1470.1	2091.3	2781.1
2.5°	0.0	15.5	35.1	66.9	112.7	237.1	590.0	948.2	1454.3	2070.8	2758.4
0°	0.0	15.3	34.4	65.7	109.5	229.9	581.8	932.0	1430.3	2039.0	2721.6
-2.5°	0.0	15.5	35.1	66.9	112.7	237.1	590.0	948.2	1454.3	2070.8	2758.4
-5°	0.0	15.7	35.6	67.9	115.6	242.9	594.0	959.3	1470.1	2091.3	2781.1
-7.5°	0.0	15.8	36.1	68.8	118.0	247.4	593.9	964.9	1477.3	2100.1	2789.6
-10°	0.0	16.0	36.5	69.4	120.0	250.4	589.5	964.9	1475.5	2096.8	2783.8
-12.5°	0.0	16.0	36.9	69.8	121.5	251.8	580.8	959.0	1464.6	2081.3	2763.5
-15°	0.0	16.1	37.1	70.1	122.4	251.5	567.9	946.9	1444.1	2053.3	2728.8
-17.5°	0.0	16.1	37.2	70.1	122.7	249.4	550.8	928.4	1414.0	2012.7	2679.8
-20°	0.0	16.0	37.3	69.8	122.4	245.5	529.4	903.3	1374.1	1959.3	2616.4



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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	16.0	37.2	69.4	121.5	239.6	503.8	871.6	1324.3	1893.2	2539.0
-25°	0.0	15.9	37.1	68.8	119.9	231.8	474.1	833.0	1264.4	1814.2	2447.6
-27.5°	0.0	15.7	36.8	67.9	117.6	221.9	440.3	787.6	1194.5	1728.2	2347.7
-30°	0.0	15.5	36.5	66.8	114.6	210.0	402.3	735.2	1129.2	1641.0	2233.5
-32.5°	0.0	15.3	36.0	65.5	110.8	195.9	360.4	684.1	1064.1	1542.1	2104.9
-35°	0.0	15.0	35.4	63.9	106.4	179.7	334.1	630.7	990.6	1431.4	1962.2
-37.5°	0.0	14.6	34.8	62.1	101.1	165.8	313.3	572.8	908.6	1309.2	1818.8
-40°	0.0	14.3	34.0	60.1	95.2	158.7	289.5	510.4	818.3	1199.2	1670.7
-42.5°	0.0	13.9	33.1	57.9	90.4	150.6	262.9	443.8	735.1	1088.5	1509.7
-45°	0.0	13.4	32.2	55.5	87.2	141.4	233.6	388.2	653.9	968.2	1341.9
-47.5°	0.0	12.9	31.1	52.9	83.7	131.1	201.5	350.2	568.2	839.5	1196.3
-50°	0.0	12.4	29.9	50.8	79.8	119.8	184.5	308.8	478.0	737.5	1040.0
-52.5°	0.0	11.8	28.7	48.9	75.7	107.4	169.1	264.0	412.9	630.8	878.9
-55°	0.0	11.2	27.3	46.7	71.3	100.6	152.3	219.1	356.1	519.5	754.7
-57.5°	0.0	10.6	25.9	44.4	66.7	94.6	134.2	196.7	295.4	438.6	625.7
-60°	0.0	9.9	24.4	41.9	61.8	88.2	116.2	172.8	238.4	363.1	507.0
-62.5°	0.0	9.2	22.7	39.3	58.1	81.5	107.9	147.3	207.4	283.5	414.6
-65°	0.0	8.5	20.9	36.6	54.1	74.5	99.2	125.2	174.5	235.2	317.5
-67.5°	0.0	7.7	19.1	33.7	49.9	68.1	90.1	114.2	140.1	193.9	253.5
-70°	0.0	6.9	17.2	30.7	45.6	62.2	80.7	102.8	125.9	150.7	202.5
-72.5°	0.0	6.1	15.2	27.3	41.1	56.1	72.5	91.0	111.9	133.7	156.4
-75°	0.0	5.3	13.2	23.6	36.4	49.7	64.3	80.2	97.5	116.9	137.1
-77.5°	0.0	4.4	11.0	19.8	30.8	43.2	55.9	69.6	84.4	100.2	117.3
-80°	0.0	3.5	8.9	16.0	24.8	35.3	47.2	58.8	71.1	84.4	98.3
-82.5°	0.0	2.7	6.7	12.1	18.7	26.7	35.9	46.3	57.6	68.3	79.4
-85°	0.0	1.8	4.5	8.1	12.5	17.9	24.0	31.0	38.8	47.5	56.8
-87.5°	0.0	0.9	2.2	4.0	6.3	9.0	12.1	15.6	19.5	23.8	28.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

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°	33.5	38.9	43.9	49.2	54.6	60.1	65.9	71.7	77.7	83.8	89.8
85°	66.9	77.6	86.3	96.4	107.9	120.8	135.0	150.3	166.6	184.0	202.2
82.5°	91.0	103.2	119.3	137.9	158.7	181.6	207.5	240.1	275.9	314.5	355.8
80°	112.9	128.3	152.8	184.2	221.3	263.8	311.3	363.4	420.0	487.1	564.0
77.5°	135.4	154.1	188.3	233.8	289.5	367.5	451.7	541.5	636.7	736.5	840.3
75°	157.9	179.4	241.5	324.0	415.0	514.0	625.2	770.6	922.1	1079.1	1240.7
72.5°	197.7	250.0	324.7	424.9	569.5	728.1	895.7	1071.5	1262.1	1462.7	1667.0
70°	259.3	321.0	438.3	600.8	775.2	966.5	1180.0	1400.6	1627.5	1863.2	2103.4
67.5°	328.6	449.3	587.1	778.2	1000.8	1233.2	1474.8	1751.3	2022.3	2286.6	2544.1
65°	444.9	581.7	748.1	983.4	1230.7	1533.3	1836.0	2132.2	2430.4	2714.9	2983.8
62.5°	556.3	741.4	934.1	1206.0	1540.5	1868.9	2207.9	2537.1	2849.2	3107.1	3328.0
60°	700.2	908.0	1162.7	1494.6	1856.9	2236.3	2597.7	2922.0	3204.1	3448.1	3639.0
57.5°	847.7	1112.2	1432.4	1794.5	2209.9	2605.9	2967.5	3286.8	3548.9	3766.5	3937.8
55°	1013.5	1344.2	1710.2	2125.1	2562.7	2974.1	3334.8	3634.8	3888.8	4068.6	4210.6
52.5°	1211.0	1574.8	2006.9	2459.6	2926.7	3338.6	3689.2	3973.8	4190.3	4354.9	4457.2
50°	1397.4	1831.1	2293.7	2795.7	3285.5	3695.3	4025.6	4287.5	4472.9	4604.6	4685.5
47.5°	1605.2	2073.3	2587.2	3111.7	3622.2	4029.4	4344.7	4565.0	4733.2	4830.1	4895.2
45°	1811.2	2320.0	2864.6	3401.9	3915.6	4346.5	4619.5	4830.2	4955.1	5041.3	5071.3
42.5°	2003.5	2558.2	3119.9	3676.9	4170.2	4604.0	4883.8	5050.4	5166.1	5219.6	5240.1
40°	2203.0	2780.4	3359.5	3904.1	4399.6	4801.4	5106.2	5265.5	5345.4	5386.8	5401.0
37.5°	2390.6	2985.9	3577.9	4120.8	4579.4	4968.0	5286.8	5442.1	5512.6	5547.5	5538.6
35°	2562.8	3176.8	3766.3	4301.8	4753.8	5113.1	5392.6	5605.5	5670.4	5683.8	5674.2
32.5°	2721.7	3352.5	3943.3	4455.2	4888.1	5241.2	5495.7	5685.2	5809.6	5819.2	5803.3
30°	2867.5	3502.3	4098.4	4601.2	5015.7	5335.1	5577.2	5760.5	5885.3	5943.4	5920.3
27.5°	2998.5	3638.8	4220.9	4718.1	5130.5	5428.1	5652.0	5815.4	5933.7	6018.7	6031.4
25°	3114.6	3762.4	4334.3	4821.5	5209.4	5500.1	5719.6	5871.2	5979.0	6052.0	6092.3
22.5°	3213.7	3872.1	4437.8	4918.4	5285.0	5563.3	5767.7	5913.6	6018.7	6087.8	6115.3
20°	3297.6	3950.6	4519.9	5001.9	5356.3	5624.1	5814.7	5953.1	6051.8	6109.2	6139.6
17.5°	3367.9	4017.8	4585.1	5054.2	5405.6	5671.2	5857.6	5991.8	6086.2	6131.3	6166.0
15°	3424.2	4073.2	4640.6	5099.9	5446.5	5704.4	5887.0	6020.4	6111.8	6154.2	6193.9
12.5°	3466.0	4115.8	4685.5	5137.9	5481.7	5733.6	5913.7	6046.8	6130.3	6178.0	6209.1
10°	3492.8	4145.0	4718.7	5167.1	5510.0	5758.0	5936.9	6071.5	6148.1	6201.9	6224.5
7.5°	3504.3	4160.0	4739.1	5186.5	5530.5	5776.7	5955.7	6093.5	6164.6	6225.0	6240.2
5°	3500.3	4160.2	4745.8	5195.0	5542.2	5788.9	5969.5	6111.8	6179.6	6246.7	6256.1
2.5°	3480.2	4144.7	4737.8	5191.5	5543.8	5793.6	5977.4	6125.5	6192.2	6266.0	6271.9
0°	3444.0	4113.0	4714.0	5174.9	5534.5	5789.7	5978.5	6133.5	6202.1	6282.0	6287.5
-2.5°	3480.2	4144.7	4737.8	5191.5	5543.8	5793.6	5977.4	6125.5	6192.2	6266.0	6271.9
-5°	3500.3	4160.2	4745.8	5195.0	5542.2	5788.9	5969.5	6111.8	6179.6	6246.7	6256.1
-7.5°	3504.3	4160.0	4739.1	5186.5	5530.5	5776.7	5955.7	6093.5	6164.6	6225.0	6240.2
-10°	3492.8	4145.0	4718.7	5167.1	5510.0	5758.0	5936.9	6071.5	6148.1	6201.9	6224.5
-12.5°	3466.0	4115.8	4685.5	5137.9	5481.7	5733.6	5913.7	6046.8	6130.3	6178.0	6209.1
-15°	3424.2	4073.2	4640.6	5099.9	5446.5	5704.4	5887.0	6020.4	6111.8	6154.2	6193.9
-17.5°	3367.9	4017.8	4585.1	5054.2	5405.6	5671.2	5857.6	5991.8	6086.2	6131.3	6166.0
-20°	3297.6	3950.6	4519.9	5001.9	5356.3	5624.1	5814.7	5953.1	6051.8	6109.2	6139.6

Classified

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

Scaled Data Report



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CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3213.7	3872.1	4437.8	4918.4	5285.0	5563.3	5767.7	5913.6	6018.7	6087.8	6115.3
-25°	3114.6	3762.4	4334.3	4821.5	5209.4	5500.1	5719.6	5871.2	5979.0	6052.0	6092.3
-27.5°	2998.5	3638.8	4220.9	4718.1	5130.5	5428.1	5652.0	5815.4	5933.7	6018.7	6031.4
-30°	2867.5	3502.3	4098.4	4601.2	5015.7	5335.1	5577.2	5760.5	5885.3	5943.4	5920.3
-32.5°	2721.7	3352.5	3943.3	4455.2	4888.1	5241.2	5495.7	5685.2	5809.6	5819.2	5803.3
-35°	2562.8	3176.8	3766.3	4301.8	4753.8	5113.1	5392.6	5605.5	5670.4	5683.8	5674.2
-37.5°	2390.6	2985.9	3577.9	4120.8	4579.4	4968.0	5286.8	5442.1	5512.6	5547.5	5538.6
-40°	2203.0	2780.4	3359.5	3904.1	4399.6	4801.4	5106.2	5265.5	5345.4	5386.8	5401.0
-42.5°	2003.5	2558.2	3119.9	3676.9	4170.2	4604.0	4883.8	5050.4	5166.1	5219.6	5240.1
-45°	1811.2	2320.0	2864.6	3401.9	3915.6	4346.5	4619.5	4830.2	4955.1	5041.3	5071.3
-47.5°	1605.2	2073.3	2587.2	3111.7	3622.2	4029.4	4344.7	4565.0	4733.2	4830.1	4895.2
-50°	1397.4	1831.1	2293.7	2795.7	3285.5	3695.3	4025.6	4287.5	4472.9	4604.6	4685.5
-52.5°	1211.0	1574.8	2006.9	2459.6	2926.7	3338.6	3689.2	3973.8	4190.3	4354.9	4457.2
-55°	1013.5	1344.2	1710.2	2125.1	2562.7	2974.1	3334.8	3634.8	3888.8	4068.6	4210.6
-57.5°	847.7	1112.2	1432.4	1794.5	2209.9	2605.9	2967.5	3286.8	3548.9	3766.5	3937.8
-60°	700.2	908.0	1162.7	1494.6	1856.9	2236.3	2597.7	2922.0	3204.1	3448.1	3639.0
-62.5°	556.3	741.4	934.1	1206.0	1540.5	1868.9	2207.9	2537.1	2849.2	3107.1	3328.0
-65°	444.9	581.7	748.1	983.4	1230.7	1533.3	1836.0	2132.2	2430.4	2714.9	2983.8
-67.5°	328.6	449.3	587.1	778.2	1000.8	1233.2	1474.8	1751.3	2022.3	2286.6	2544.1
-70°	259.3	321.0	438.3	600.8	775.2	966.5	1180.0	1400.6	1627.5	1863.2	2103.4
-72.5°	197.7	250.0	324.7	424.9	569.5	728.1	895.7	1071.5	1262.1	1462.7	1667.0
-75°	157.9	179.4	241.5	324.0	415.0	514.0	625.2	770.6	922.1	1079.1	1240.7
-77.5°	135.4	154.1	188.3	233.8	289.5	367.5	451.7	541.5	636.7	736.5	840.3
-80°	112.9	128.3	152.8	184.2	221.3	263.8	311.3	363.4	420.0	487.1	564.0
-82.5°	91.0	103.2	119.3	137.9	158.7	181.6	207.5	240.1	275.9	314.5	355.8
-85°	66.9	77.6	86.3	96.4	107.9	120.8	135.0	150.3	166.6	184.0	202.2
-87.5°	33.5	38.9	43.9	49.2	54.6	60.1	65.9	71.7	77.7	83.8	89.8
-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: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

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°	96.0	102.2	108.3	106.2	103.6	100.6	97.4	93.7	89.7	85.4	80.8
85°	221.1	240.6	260.6	255.1	247.2	237.8	227.1	215.3	202.3	188.4	173.7
82.5°	399.4	445.0	492.3	485.8	470.5	451.4	428.9	403.2	374.8	343.8	310.8
80°	643.7	725.6	809.4	807.3	782.9	751.7	714.0	670.6	622.0	568.8	511.6
77.5°	963.0	1096.0	1230.6	1248.1	1217.7	1175.0	1121.1	1056.9	983.3	901.6	812.6
75°	1406.2	1576.5	1752.4	1788.6	1739.1	1674.6	1595.9	1504.4	1401.0	1287.2	1164.2
72.5°	1874.0	2083.0	2291.1	2349.2	2271.7	2178.5	2070.8	1949.5	1815.8	1671.0	1516.4
70°	2336.9	2563.5	2782.9	2877.5	2777.2	2661.9	2532.4	2389.5	2234.2	2067.5	1890.5
67.5°	2790.7	3023.5	3242.6	3379.1	3239.3	3077.9	2911.8	2740.9	2565.1	2384.2	2198.1
65°	3217.5	3397.1	3550.7	3667.4	3516.0	3351.0	3182.7	3010.8	2835.0	2655.0	2470.5
62.5°	3517.0	3666.6	3781.6	3869.5	3749.6	3589.0	3423.7	3256.1	3085.7	2911.9	2734.1
60°	3794.5	3915.9	3993.8	4044.5	3961.4	3807.5	3649.1	3489.1	3326.8	3161.5	2992.4
57.5°	4056.5	4142.8	4194.7	4214.5	4159.8	4013.0	3862.2	3709.2	3555.4	3399.9	3241.6
55°	4302.8	4356.2	4384.0	4378.6	4337.9	4196.0	4055.2	3913.3	3771.3	3628.0	3482.1
52.5°	4529.5	4553.9	4554.0	4531.2	4486.4	4367.0	4237.3	4108.1	3978.6	3847.7	3714.1
50°	4726.2	4736.0	4714.6	4677.7	4624.4	4531.0	4413.2	4294.5	4174.5	4054.4	3932.6
47.5°	4907.9	4900.5	4869.6	4824.2	4764.5	4681.2	4570.4	4463.3	4359.8	4254.9	4147.3
45°	5077.3	5056.9	5020.0	4961.1	4892.9	4821.0	4729.9	4638.4	4541.5	4444.6	4346.9
42.5°	5235.7	5203.0	5154.6	5097.6	5034.7	4960.4	4872.3	4784.9	4701.8	4618.8	4533.3
40°	5377.0	5340.6	5292.9	5235.5	5160.9	5081.7	5004.5	4932.3	4860.3	4786.0	4709.6
37.5°	5514.2	5476.8	5421.3	5354.4	5284.1	5213.0	5138.8	5071.3	5007.9	4940.5	4871.9
35°	5647.4	5598.2	5538.9	5473.7	5407.6	5339.0	5267.4	5196.4	5138.7	5080.6	5021.2
32.5°	5764.8	5712.7	5651.6	5589.4	5526.3	5455.2	5384.2	5311.6	5259.2	5208.9	5155.7
30°	5877.4	5819.3	5760.6	5700.3	5630.9	5563.4	5496.0	5426.2	5367.0	5323.1	5278.9
27.5°	5978.5	5922.8	5865.4	5797.0	5731.7	5668.0	5599.0	5532.5	5467.6	5431.5	5391.3
25°	6077.5	6023.9	5956.3	5891.8	5828.9	5760.0	5693.6	5631.1	5566.8	5517.3	5483.3
22.5°	6135.9	6111.8	6045.9	5984.7	5913.5	5844.4	5779.8	5717.5	5652.8	5590.9	5563.0
20°	6159.5	6153.1	6135.1	6064.2	5990.9	5921.5	5859.8	5789.3	5725.6	5677.8	5642.4
17.5°	6174.8	6171.8	6163.6	6139.5	6061.3	5997.4	5921.0	5850.8	5803.4	5746.8	5692.3
15°	6190.6	6191.5	6174.2	6147.1	6119.5	6059.1	5971.1	5919.7	5855.9	5801.2	5763.6
12.5°	6208.7	6207.6	6186.0	6159.4	6131.9	6075.5	6034.8	5967.3	5901.1	5856.9	5809.4
10°	6227.6	6220.6	6199.9	6172.8	6132.0	6077.4	6047.4	5996.1	5946.9	5891.7	5845.3
7.5°	6246.7	6235.0	6217.2	6185.1	6133.6	6087.0	6042.4	5995.6	5959.2	5921.4	5872.4
5°	6265.7	6250.7	6237.3	6197.5	6141.2	6096.0	6042.0	5996.0	5950.5	5911.2	5877.6
2.5°	6284.2	6267.7	6259.5	6211.4	6154.5	6106.3	6047.2	5998.7	5944.4	5902.0	5865.2
0°	6302.2	6285.9	6283.0	6228.3	6173.5	6119.9	6059.1	6006.2	5944.5	5898.9	5860.7
-2.5°	6284.2	6267.7	6259.5	6211.4	6154.5	6106.3	6047.2	5998.7	5944.4	5902.0	5865.2
-5°	6265.7	6250.7	6237.3	6197.5	6141.2	6096.0	6042.0	5996.0	5950.5	5911.2	5877.6
-7.5°	6246.7	6235.0	6217.2	6185.1	6133.6	6087.0	6042.4	5995.6	5959.2	5921.4	5872.4
-10°	6227.6	6220.6	6199.9	6172.8	6132.0	6077.4	6047.4	5996.1	5946.9	5891.7	5845.3
-12.5°	6208.7	6207.6	6186.0	6159.4	6131.9	6075.5	6034.8	5967.3	5901.1	5856.9	5809.4
-15°	6190.6	6191.5	6174.2	6147.1	6119.5	6059.1	5971.1	5919.7	5855.9	5801.2	5763.6
-17.5°	6174.8	6171.8	6163.6	6139.5	6061.3	5997.4	5921.0	5850.8	5803.4	5746.8	5692.3
-20°	6159.5	6153.1	6135.1	6064.2	5990.9	5921.5	5859.8	5789.3	5725.6	5677.8	5642.4



REPORT NUMBER: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6135.9	6111.8	6045.9	5984.7	5913.5	5844.4	5779.8	5717.5	5652.8	5590.9	5563.0
-25°	6077.5	6023.9	5956.3	5891.8	5828.9	5760.0	5693.6	5631.1	5566.8	5517.3	5483.3
-27.5°	5978.5	5922.8	5865.4	5797.0	5731.7	5668.0	5599.0	5532.5	5467.6	5431.5	5391.3
-30°	5877.4	5819.3	5760.6	5700.3	5630.9	5563.4	5496.0	5426.2	5367.0	5323.1	5278.9
-32.5°	5764.8	5712.7	5651.6	5589.4	5526.3	5455.2	5384.2	5311.6	5259.2	5208.9	5155.7
-35°	5647.4	5598.2	5538.9	5473.7	5407.6	5339.0	5267.4	5196.4	5138.7	5080.6	5021.2
-37.5°	5514.2	5476.8	5421.3	5354.4	5284.1	5213.0	5138.8	5071.3	5007.9	4940.5	4871.9
-40°	5377.0	5340.6	5292.9	5235.5	5160.9	5081.7	5004.5	4932.3	4860.3	4786.0	4709.6
-42.5°	5235.7	5203.0	5154.6	5097.6	5034.7	4960.4	4872.3	4784.9	4701.8	4618.8	4533.3
-45°	5077.3	5056.9	5020.0	4961.1	4892.9	4821.0	4729.9	4638.4	4541.5	4444.6	4346.9
-47.5°	4907.9	4900.5	4869.6	4824.2	4764.5	4681.2	4570.4	4463.3	4359.8	4254.9	4147.3
-50°	4726.2	4736.0	4714.6	4677.7	4624.4	4531.0	4413.2	4294.5	4174.5	4054.4	3932.6
-52.5°	4529.5	4553.9	4554.0	4531.2	4486.4	4367.0	4237.3	4108.1	3978.6	3847.7	3714.1
-55°	4302.8	4356.2	4384.0	4378.6	4337.9	4196.0	4055.2	3913.3	3771.3	3628.0	3482.1
-57.5°	4056.5	4142.8	4194.7	4214.5	4159.8	4013.0	3862.2	3709.2	3555.4	3399.9	3241.6
-60°	3794.5	3915.9	3993.8	4044.5	3961.4	3807.5	3649.1	3489.1	3326.8	3161.5	2992.4
-62.5°	3517.0	3666.6	3781.6	3869.5	3749.6	3589.0	3423.7	3256.1	3085.7	2911.9	2734.1
-65°	3217.5	3397.1	3550.7	3667.4	3516.0	3351.0	3182.7	3010.8	2835.0	2655.0	2470.5
-67.5°	2790.7	3023.5	3242.6	3379.1	3239.3	3077.9	2911.8	2740.9	2565.1	2384.2	2198.1
-70°	2336.9	2563.5	2782.9	2877.5	2777.2	2661.9	2532.4	2389.5	2234.2	2067.5	1890.5
-72.5°	1874.0	2083.0	2291.1	2349.2	2271.7	2178.5	2070.8	1949.5	1815.8	1671.0	1516.4
-75°	1406.2	1576.5	1752.4	1788.6	1739.1	1674.6	1595.9	1504.4	1401.0	1287.2	1164.2
-77.5°	963.0	1096.0	1230.6	1248.1	1217.7	1175.0	1121.1	1056.9	983.3	901.6	812.6
-80°	643.7	725.6	809.4	807.3	782.9	751.7	714.0	670.6	622.0	568.8	511.6
-82.5°	399.4	445.0	492.3	485.8	470.5	451.4	428.9	403.2	374.8	343.8	310.8
-85°	221.1	240.6	260.6	255.1	247.2	237.8	227.1	215.3	202.3	188.4	173.7
-87.5°	96.0	102.2	108.3	106.2	103.6	100.6	97.4	93.7	89.7	85.4	80.8
-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: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

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°	76.1	71.0	65.8	60.5	65.8	71.0	76.1	80.8	85.4	89.7	93.7
85°	158.3	142.2	125.7	109.0	125.7	142.2	158.3	173.7	188.4	202.3	215.3
82.5°	275.9	239.6	202.4	164.4	202.4	239.6	275.9	310.8	343.8	374.8	403.2
80°	451.1	387.9	322.7	256.1	322.7	387.9	451.1	511.6	568.8	622.0	670.6
77.5°	717.6	617.7	513.9	407.6	513.9	617.7	717.6	812.6	901.6	983.3	1056.9
75°	1033.3	895.9	753.3	607.0	753.3	895.9	1033.3	1164.2	1287.2	1401.0	1504.4
72.5°	1353.2	1182.8	1006.6	825.9	1006.6	1182.8	1353.2	1516.4	1671.0	1815.8	1949.5
70°	1704.3	1510.1	1309.1	1102.4	1309.1	1510.1	1704.3	1890.5	2067.5	2234.2	2389.5
67.5°	2006.8	1810.3	1608.3	1401.0	1608.3	1810.3	2006.8	2198.1	2384.2	2565.1	2740.9
65°	2281.3	2087.0	1887.4	1682.3	1887.4	2087.0	2281.3	2470.5	2655.0	2835.0	3010.8
62.5°	2551.8	2364.4	2171.5	1972.5	2171.5	2364.4	2551.8	2734.1	2911.9	3085.7	3256.1
60°	2818.8	2640.1	2455.4	2264.0	2455.4	2640.1	2818.8	2992.4	3161.5	3326.8	3489.1
57.5°	3079.5	2912.3	2739.1	2558.9	2739.1	2912.3	3079.5	3241.6	3399.9	3555.4	3709.2
55°	3332.4	3177.7	3016.6	2848.0	3016.6	3177.7	3332.4	3482.1	3628.0	3771.3	3913.3
52.5°	3576.6	3433.7	3284.2	3126.7	3284.2	3433.7	3576.6	3714.1	3847.7	3978.6	4108.1
50°	3807.6	3677.6	3541.1	3396.3	3541.1	3677.6	3807.6	3932.6	4054.4	4174.5	4294.5
47.5°	4035.4	3917.7	3792.6	3658.6	3792.6	3917.7	4035.4	4147.3	4254.9	4359.8	4463.3
45°	4246.4	4141.2	4029.2	3908.4	4029.2	4141.2	4246.4	4346.9	4444.6	4541.5	4638.4
42.5°	4443.6	4348.3	4245.5	4133.7	4245.5	4348.3	4443.6	4533.3	4618.8	4701.8	4784.9
40°	4629.3	4543.4	4450.0	4347.3	4450.0	4543.4	4629.3	4709.6	4786.0	4860.3	4932.3
37.5°	4800.2	4723.3	4639.3	4546.1	4639.3	4723.3	4800.2	4871.9	4940.5	5007.9	5071.3
35°	4959.1	4892.1	4818.1	4734.5	4818.1	4892.1	4959.1	5021.2	5080.6	5138.7	5196.4
32.5°	5099.5	5038.5	4970.6	4893.7	4970.6	5038.5	5099.5	5155.7	5208.9	5259.2	5311.6
30°	5232.6	5181.9	5124.2	5056.8	5124.2	5181.9	5232.6	5278.9	5323.1	5367.0	5426.2
27.5°	5351.3	5308.7	5260.5	5203.3	5260.5	5308.7	5351.3	5391.3	5431.5	5467.6	5532.5
25°	5446.4	5406.0	5359.9	5306.3	5359.9	5406.0	5446.4	5483.3	5517.3	5566.8	5631.1
22.5°	5536.9	5507.7	5472.4	5427.7	5472.4	5507.7	5536.9	5563.0	5590.9	5652.8	5717.5
20°	5616.9	5595.1	5572.1	5542.0	5572.1	5595.1	5616.9	5642.4	5677.8	5725.6	5789.3
17.5°	5679.1	5662.1	5637.7	5605.1	5637.7	5662.1	5679.1	5692.3	5746.8	5803.4	5850.8
15°	5731.9	5711.2	5689.6	5663.0	5689.6	5711.2	5731.9	5763.6	5801.2	5855.9	5919.7
12.5°	5770.0	5756.7	5745.7	5728.7	5745.7	5756.7	5770.0	5809.4	5856.9	5901.1	5967.3
10°	5813.0	5779.1	5759.2	5739.4	5759.2	5779.1	5813.0	5845.3	5891.7	5946.9	5996.1
7.5°	5827.1	5796.0	5789.0	5788.6	5789.0	5796.0	5827.1	5872.4	5921.4	5959.2	5995.6
5°	5843.5	5814.4	5804.2	5791.0	5804.2	5814.4	5843.5	5877.6	5911.2	5950.5	5996.0
2.5°	5832.5	5808.6	5795.9	5803.2	5795.9	5808.6	5832.5	5865.2	5902.0	5944.4	5998.7
0°	5813.4	5795.7	5772.5	5780.1	5772.5	5795.7	5813.4	5860.7	5898.9	5944.5	6006.2
-2.5°	5832.5	5808.6	5795.9	5803.2	5795.9	5808.6	5832.5	5865.2	5902.0	5944.4	5998.7
-5°	5843.5	5814.4	5804.2	5791.0	5804.2	5814.4	5843.5	5877.6	5911.2	5950.5	5996.0
-7.5°	5827.1	5796.0	5789.0	5788.6	5789.0	5796.0	5827.1	5872.4	5921.4	5959.2	5995.6
-10°	5813.0	5779.1	5759.2	5739.4	5759.2	5779.1	5813.0	5845.3	5891.7	5946.9	5996.1
-12.5°	5770.0	5756.7	5745.7	5728.7	5745.7	5756.7	5770.0	5809.4	5856.9	5901.1	5967.3
-15°	5731.9	5711.2	5689.6	5663.0	5689.6	5711.2	5731.9	5763.6	5801.2	5855.9	5919.7
-17.5°	5679.1	5662.1	5637.7	5605.1	5637.7	5662.1	5679.1	5692.3	5746.8	5803.4	5850.8
-20°	5616.9	5595.1	5572.1	5542.0	5572.1	5595.1	5616.9	5642.4	5677.8	5725.6	5789.3

Classified

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

Scaled Data Report



REPORT NUMBER: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5536.9	5507.7	5472.4	5427.7	5472.4	5507.7	5536.9	5563.0	5590.9	5652.8	5717.5
-25°	5446.4	5406.0	5359.9	5306.3	5359.9	5406.0	5446.4	5483.3	5517.3	5566.8	5631.1
-27.5°	5351.3	5308.7	5260.5	5203.3	5260.5	5308.7	5351.3	5391.3	5431.5	5467.6	5532.5
-30°	5232.6	5181.9	5124.2	5056.8	5124.2	5181.9	5232.6	5278.9	5323.1	5367.0	5426.2
-32.5°	5099.5	5038.5	4970.6	4893.7	4970.6	5038.5	5099.5	5155.7	5208.9	5259.2	5311.6
-35°	4959.1	4892.1	4818.1	4734.5	4818.1	4892.1	4959.1	5021.2	5080.6	5138.7	5196.4
-37.5°	4800.2	4723.3	4639.3	4546.1	4639.3	4723.3	4800.2	4871.9	4940.5	5007.9	5071.3
-40°	4629.3	4543.4	4450.0	4347.3	4450.0	4543.4	4629.3	4709.6	4786.0	4860.3	4932.3
-42.5°	4443.6	4348.3	4245.5	4133.7	4245.5	4348.3	4443.6	4533.3	4618.8	4701.8	4784.9
-45°	4246.4	4141.2	4029.2	3908.4	4029.2	4141.2	4246.4	4346.9	4444.6	4541.5	4638.4
-47.5°	4035.4	3917.7	3792.6	3658.6	3792.6	3917.7	4035.4	4147.3	4254.9	4359.8	4463.3
-50°	3807.6	3677.6	3541.1	3396.3	3541.1	3677.6	3807.6	3932.6	4054.4	4174.5	4294.5
-52.5°	3576.6	3433.7	3284.2	3126.7	3284.2	3433.7	3576.6	3714.1	3847.7	3978.6	4108.1
-55°	3332.4	3177.7	3016.6	2848.0	3016.6	3177.7	3332.4	3482.1	3628.0	3771.3	3913.3
-57.5°	3079.5	2912.3	2739.1	2558.9	2739.1	2912.3	3079.5	3241.6	3399.9	3555.4	3709.2
-60°	2818.8	2640.1	2455.4	2264.0	2455.4	2640.1	2818.8	2992.4	3161.5	3326.8	3489.1
-62.5°	2551.8	2364.4	2171.5	1972.5	2171.5	2364.4	2551.8	2734.1	2911.9	3085.7	3256.1
-65°	2281.3	2087.0	1887.4	1682.3	1887.4	2087.0	2281.3	2470.5	2655.0	2835.0	3010.8
-67.5°	2006.8	1810.3	1608.3	1401.0	1608.3	1810.3	2006.8	2198.1	2384.2	2565.1	2740.9
-70°	1704.3	1510.1	1309.1	1102.4	1309.1	1510.1	1704.3	1890.5	2067.5	2234.2	2389.5
-72.5°	1353.2	1182.8	1006.6	825.9	1006.6	1182.8	1353.2	1516.4	1671.0	1815.8	1949.5
-75°	1033.3	895.9	753.3	607.0	753.3	895.9	1033.3	1164.2	1287.2	1401.0	1504.4
-77.5°	717.6	617.7	513.9	407.6	513.9	617.7	717.6	812.6	901.6	983.3	1056.9
-80°	451.1	387.9	322.7	256.1	322.7	387.9	451.1	511.6	568.8	622.0	670.6
-82.5°	275.9	239.6	202.4	164.4	202.4	239.6	275.9	310.8	343.8	374.8	403.2
-85°	158.3	142.2	125.7	109.0	125.7	142.2	158.3	173.7	188.4	202.3	215.3
-87.5°	76.1	71.0	65.8	60.5	65.8	71.0	76.1	80.8	85.4	89.7	93.7
-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: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

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°	97.4	100.6	103.6	106.2	108.3	102.2	96.0	89.8	83.8	77.7	71.7
85°	227.1	237.8	247.2	255.1	260.6	240.6	221.1	202.2	184.0	166.6	150.3
82.5°	428.9	451.4	470.5	485.8	492.3	445.0	399.4	355.8	314.5	275.9	240.1
80°	714.0	751.7	782.9	807.3	809.4	725.6	643.7	564.0	487.1	420.0	363.4
77.5°	1121.1	1175.0	1217.7	1248.1	1230.6	1096.0	963.0	840.3	736.5	636.7	541.5
75°	1595.9	1674.6	1739.1	1788.6	1752.4	1576.5	1406.2	1240.7	1079.1	922.1	770.6
72.5°	2070.8	2178.5	2271.7	2349.2	2291.1	2083.0	1874.0	1667.0	1462.7	1262.1	1071.5
70°	2532.4	2661.9	2777.2	2877.5	2782.9	2563.5	2336.9	2103.4	1863.2	1627.5	1400.6
67.5°	2911.8	3077.9	3239.3	3379.1	3242.6	3023.5	2790.7	2544.1	2286.6	2022.3	1751.3
65°	3182.7	3351.0	3516.0	3667.4	3550.7	3397.1	3217.5	2983.8	2714.9	2430.4	2132.2
62.5°	3423.7	3589.0	3749.6	3869.5	3781.6	3666.6	3517.0	3328.0	3107.1	2849.2	2537.1
60°	3649.1	3807.5	3961.4	4044.5	3993.8	3915.9	3794.5	3639.0	3448.1	3204.1	2922.0
57.5°	3862.2	4013.0	4159.8	4214.5	4194.7	4142.8	4056.5	3937.8	3766.5	3548.9	3286.8
55°	4055.2	4196.0	4337.9	4378.6	4384.0	4356.2	4302.8	4210.6	4068.6	3888.8	3634.8
52.5°	4237.3	4367.0	4486.4	4531.2	4554.0	4553.9	4529.5	4457.2	4354.9	4190.3	3973.8
50°	4413.2	4531.0	4624.4	4677.7	4714.6	4736.0	4726.2	4685.5	4604.6	4472.9	4287.5
47.5°	4570.4	4681.2	4764.5	4824.2	4869.6	4900.5	4907.9	4895.2	4830.1	4733.2	4565.0
45°	4729.9	4821.0	4892.9	4961.1	5020.0	5056.9	5077.3	5071.3	5041.3	4955.1	4830.2
42.5°	4872.3	4960.4	5034.7	5097.6	5154.6	5203.0	5235.7	5240.1	5219.6	5166.1	5050.4
40°	5004.5	5081.7	5160.9	5235.5	5292.9	5340.6	5377.0	5401.0	5386.8	5345.4	5265.5
37.5°	5138.8	5213.0	5284.1	5354.4	5421.3	5476.8	5514.2	5538.6	5547.5	5512.6	5442.1
35°	5267.4	5339.0	5407.6	5473.7	5538.9	5598.2	5647.4	5674.2	5683.8	5670.4	5605.5
32.5°	5384.2	5455.2	5526.3	5589.4	5651.6	5712.7	5764.8	5803.3	5819.2	5809.6	5685.2
30°	5496.0	5563.4	5630.9	5700.3	5760.6	5819.3	5877.4	5920.3	5943.4	5885.3	5760.5
27.5°	5599.0	5668.0	5731.7	5797.0	5865.4	5922.8	5978.5	6031.4	6018.7	5933.7	5815.4
25°	5693.6	5760.0	5828.9	5891.8	5956.3	6023.9	6077.5	6092.3	6052.0	5979.0	5871.2
22.5°	5779.8	5844.4	5913.5	5984.7	6045.9	6111.8	6135.9	6115.3	6087.8	6018.7	5913.6
20°	5859.8	5921.5	5990.9	6064.2	6135.1	6153.1	6159.5	6139.6	6109.2	6051.8	5953.1
17.5°	5921.0	5997.4	6061.3	6139.5	6163.6	6171.8	6174.8	6166.0	6131.3	6086.2	5991.8
15°	5971.1	6059.1	6119.5	6147.1	6174.2	6191.5	6190.6	6193.9	6154.2	6111.8	6020.4
12.5°	6034.8	6075.5	6131.9	6159.4	6186.0	6207.6	6208.7	6209.1	6178.0	6130.3	6046.8
10°	6047.4	6077.4	6132.0	6172.8	6199.9	6220.6	6227.6	6224.5	6201.9	6148.1	6071.5
7.5°	6042.4	6087.0	6133.6	6185.1	6217.2	6235.0	6246.7	6240.2	6225.0	6164.6	6093.5
5°	6042.0	6096.0	6141.2	6197.5	6237.3	6250.7	6265.7	6256.1	6246.7	6179.6	6111.8
2.5°	6047.2	6106.3	6154.5	6211.4	6259.5	6267.7	6284.2	6271.9	6266.0	6192.2	6125.5
0°	6059.1	6119.9	6173.5	6228.3	6283.0	6285.9	6302.2	6287.5	6282.0	6202.1	6133.5
-2.5°	6047.2	6106.3	6154.5	6211.4	6259.5	6267.7	6284.2	6271.9	6266.0	6192.2	6125.5
-5°	6042.0	6096.0	6141.2	6197.5	6237.3	6250.7	6265.7	6256.1	6246.7	6179.6	6111.8
-7.5°	6042.4	6087.0	6133.6	6185.1	6217.2	6235.0	6246.7	6240.2	6225.0	6164.6	6093.5
-10°	6047.4	6077.4	6132.0	6172.8	6199.9	6220.6	6227.6	6224.5	6201.9	6148.1	6071.5
-12.5°	6034.8	6075.5	6131.9	6159.4	6186.0	6207.6	6208.7	6209.1	6178.0	6130.3	6046.8
-15°	5971.1	6059.1	6119.5	6147.1	6174.2	6191.5	6190.6	6193.9	6154.2	6111.8	6020.4
-17.5°	5921.0	5997.4	6061.3	6139.5	6163.6	6171.8	6174.8	6166.0	6131.3	6086.2	5991.8
-20°	5859.8	5921.5	5990.9	6064.2	6135.1	6153.1	6159.5	6139.6	6109.2	6051.8	5953.1



REPORT NUMBER: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5779.8	5844.4	5913.5	5984.7	6045.9	6111.8	6135.9	6115.3	6087.8	6018.7	5913.6
-25°	5693.6	5760.0	5828.9	5891.8	5956.3	6023.9	6077.5	6092.3	6052.0	5979.0	5871.2
-27.5°	5599.0	5668.0	5731.7	5797.0	5865.4	5922.8	5978.5	6031.4	6018.7	5933.7	5815.4
-30°	5496.0	5563.4	5630.9	5700.3	5760.6	5819.3	5877.4	5920.3	5943.4	5885.3	5760.5
-32.5°	5384.2	5455.2	5526.3	5589.4	5651.6	5712.7	5764.8	5803.3	5819.2	5809.6	5685.2
-35°	5267.4	5339.0	5407.6	5473.7	5538.9	5598.2	5647.4	5674.2	5683.8	5670.4	5605.5
-37.5°	5138.8	5213.0	5284.1	5354.4	5421.3	5476.8	5514.2	5538.6	5547.5	5512.6	5442.1
-40°	5004.5	5081.7	5160.9	5235.5	5292.9	5340.6	5377.0	5401.0	5386.8	5345.4	5265.5
-42.5°	4872.3	4960.4	5034.7	5097.6	5154.6	5203.0	5235.7	5240.1	5219.6	5166.1	5050.4
-45°	4729.9	4821.0	4892.9	4961.1	5020.0	5056.9	5077.3	5071.3	5041.3	4955.1	4830.2
-47.5°	4570.4	4681.2	4764.5	4824.2	4869.6	4900.5	4907.9	4895.2	4830.1	4733.2	4565.0
-50°	4413.2	4531.0	4624.4	4677.7	4714.6	4736.0	4726.2	4685.5	4604.6	4472.9	4287.5
-52.5°	4237.3	4367.0	4486.4	4531.2	4554.0	4553.9	4529.5	4457.2	4354.9	4190.3	3973.8
-55°	4055.2	4196.0	4337.9	4378.6	4384.0	4356.2	4302.8	4210.6	4068.6	3888.8	3634.8
-57.5°	3862.2	4013.0	4159.8	4214.5	4194.7	4142.8	4056.5	3937.8	3766.5	3548.9	3286.8
-60°	3649.1	3807.5	3961.4	4044.5	3993.8	3915.9	3794.5	3639.0	3448.1	3204.1	2922.0
-62.5°	3423.7	3589.0	3749.6	3869.5	3781.6	3666.6	3517.0	3328.0	3107.1	2849.2	2537.1
-65°	3182.7	3351.0	3516.0	3667.4	3550.7	3397.1	3217.5	2983.8	2714.9	2430.4	2132.2
-67.5°	2911.8	3077.9	3239.3	3379.1	3242.6	3023.5	2790.7	2544.1	2286.6	2022.3	1751.3
-70°	2532.4	2661.9	2777.2	2877.5	2782.9	2563.5	2336.9	2103.4	1863.2	1627.5	1400.6
-72.5°	2070.8	2178.5	2271.7	2349.2	2291.1	2083.0	1874.0	1667.0	1462.7	1262.1	1071.5
-75°	1595.9	1674.6	1739.1	1788.6	1752.4	1576.5	1406.2	1240.7	1079.1	922.1	770.6
-77.5°	1121.1	1175.0	1217.7	1248.1	1230.6	1096.0	963.0	840.3	736.5	636.7	541.5
-80°	714.0	751.7	782.9	807.3	809.4	725.6	643.7	564.0	487.1	420.0	363.4
-82.5°	428.9	451.4	470.5	485.8	492.3	445.0	399.4	355.8	314.5	275.9	240.1
-85°	227.1	237.8	247.2	255.1	260.6	240.6	221.1	202.2	184.0	166.6	150.3
-87.5°	97.4	100.6	103.6	106.2	108.3	102.2	96.0	89.8	83.8	77.7	71.7
-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: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

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°	65.9	60.1	54.6	49.2	43.9	38.9	33.5	28.5	23.8	19.5	15.6
85°	135.0	120.8	107.9	96.4	86.3	77.6	66.9	56.8	47.5	38.8	31.0
82.5°	207.5	181.6	158.7	137.9	119.3	103.2	91.0	79.4	68.3	57.6	46.3
80°	311.3	263.8	221.3	184.2	152.8	128.3	112.9	98.3	84.4	71.1	58.8
77.5°	451.7	367.5	289.5	233.8	188.3	154.1	135.4	117.3	100.2	84.4	69.6
75°	625.2	514.0	415.0	324.0	241.5	179.4	157.9	137.1	116.9	97.5	80.2
72.5°	895.7	728.1	569.5	424.9	324.7	250.0	197.7	156.4	133.7	111.9	91.0
70°	1180.0	966.5	775.2	600.8	438.3	321.0	259.3	202.5	150.7	125.9	102.8
67.5°	1474.8	1233.2	1000.8	778.2	587.1	449.3	328.6	253.5	193.9	140.1	114.2
65°	1836.0	1533.3	1230.7	983.4	748.1	581.7	444.9	317.5	235.2	174.5	125.2
62.5°	2207.9	1868.9	1540.5	1206.0	934.1	741.4	556.3	414.6	283.5	207.4	147.3
60°	2597.7	2236.3	1856.9	1494.6	1162.7	908.0	700.2	507.0	363.1	238.4	172.8
57.5°	2967.5	2605.9	2209.9	1794.5	1432.4	1112.2	847.7	625.7	438.6	295.4	196.7
55°	3334.8	2974.1	2562.7	2125.1	1710.2	1344.2	1013.5	754.7	519.5	356.1	219.1
52.5°	3689.2	3338.6	2926.7	2459.6	2006.9	1574.8	1211.0	878.9	630.8	412.9	264.0
50°	4025.6	3695.3	3285.5	2795.7	2293.7	1831.1	1397.4	1040.0	737.5	478.0	308.8
47.5°	4344.7	4029.4	3622.2	3111.7	2587.2	2073.3	1605.2	1196.3	839.5	568.2	350.2
45°	4619.5	4346.5	3915.6	3401.9	2864.6	2320.0	1811.2	1341.9	968.2	653.9	388.2
42.5°	4883.8	4604.0	4170.2	3676.9	3119.9	2558.2	2003.5	1509.7	1088.5	735.1	443.8
40°	5106.2	4801.4	4399.6	3904.1	3359.5	2780.4	2203.0	1670.7	1199.2	818.3	510.4
37.5°	5286.8	4968.0	4579.4	4120.8	3577.9	2985.9	2390.6	1818.8	1309.2	908.6	572.8
35°	5392.6	5113.1	4753.8	4301.8	3766.3	3176.8	2562.8	1962.2	1431.4	990.6	630.7
32.5°	5495.7	5241.2	4888.1	4455.2	3943.3	3352.5	2721.7	2104.9	1542.1	1064.1	684.1
30°	5577.2	5335.1	5015.7	4601.2	4098.4	3502.3	2867.5	2233.5	1641.0	1129.2	735.2
27.5°	5652.0	5428.1	5130.5	4718.1	4220.9	3638.8	2998.5	2347.7	1728.2	1194.5	787.6
25°	5719.6	5500.1	5209.4	4821.5	4334.3	3762.4	3114.6	2447.6	1814.2	1264.4	833.0
22.5°	5767.7	5563.3	5285.0	4918.4	4437.8	3872.1	3213.7	2539.0	1893.2	1324.3	871.6
20°	5814.7	5624.1	5356.3	5001.9	4519.9	3950.6	3297.6	2616.4	1959.3	1374.1	903.3
17.5°	5857.6	5671.2	5405.6	5054.2	4585.1	4017.8	3367.9	2679.8	2012.7	1414.0	928.4
15°	5887.0	5704.4	5446.5	5099.9	4640.6	4073.2	3424.2	2728.8	2053.3	1444.1	946.9
12.5°	5913.7	5733.6	5481.7	5137.9	4685.5	4115.8	3466.0	2763.5	2081.3	1464.6	959.0
10°	5936.9	5758.0	5510.0	5167.1	4718.7	4145.0	3492.8	2783.8	2096.8	1475.5	964.9
7.5°	5955.7	5776.7	5530.5	5186.5	4739.1	4160.0	3504.3	2789.6	2100.1	1477.3	964.9
5°	5969.5	5788.9	5542.2	5195.0	4745.8	4160.2	3500.3	2781.1	2091.3	1470.1	959.3
2.5°	5977.4	5793.6	5543.8	5191.5	4737.8	4144.7	3480.2	2758.4	2070.8	1454.3	948.2
0°	5978.5	5789.7	5534.5	5174.9	4714.0	4113.0	3444.0	2721.6	2039.0	1430.3	932.0
-2.5°	5977.4	5793.6	5543.8	5191.5	4737.8	4144.7	3480.2	2758.4	2070.8	1454.3	948.2
-5°	5969.5	5788.9	5542.2	5195.0	4745.8	4160.2	3500.3	2781.1	2091.3	1470.1	959.3
-7.5°	5955.7	5776.7	5530.5	5186.5	4739.1	4160.0	3504.3	2789.6	2100.1	1477.3	964.9
-10°	5936.9	5758.0	5510.0	5167.1	4718.7	4145.0	3492.8	2783.8	2096.8	1475.5	964.9
-12.5°	5913.7	5733.6	5481.7	5137.9	4685.5	4115.8	3466.0	2763.5	2081.3	1464.6	959.0
-15°	5887.0	5704.4	5446.5	5099.9	4640.6	4073.2	3424.2	2728.8	2053.3	1444.1	946.9
-17.5°	5857.6	5671.2	5405.6	5054.2	4585.1	4017.8	3367.9	2679.8	2012.7	1414.0	928.4
-20°	5814.7	5624.1	5356.3	5001.9	4519.9	3950.6	3297.6	2616.4	1959.3	1374.1	903.3



REPORT NUMBER: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5767.7	5563.3	5285.0	4918.4	4437.8	3872.1	3213.7	2539.0	1893.2	1324.3	871.6
-25°	5719.6	5500.1	5209.4	4821.5	4334.3	3762.4	3114.6	2447.6	1814.2	1264.4	833.0
-27.5°	5652.0	5428.1	5130.5	4718.1	4220.9	3638.8	2998.5	2347.7	1728.2	1194.5	787.6
-30°	5577.2	5335.1	5015.7	4601.2	4098.4	3502.3	2867.5	2233.5	1641.0	1129.2	735.2
-32.5°	5495.7	5241.2	4888.1	4455.2	3943.3	3352.5	2721.7	2104.9	1542.1	1064.1	684.1
-35°	5392.6	5113.1	4753.8	4301.8	3766.3	3176.8	2562.8	1962.2	1431.4	990.6	630.7
-37.5°	5286.8	4968.0	4579.4	4120.8	3577.9	2985.9	2390.6	1818.8	1309.2	908.6	572.8
-40°	5106.2	4801.4	4399.6	3904.1	3359.5	2780.4	2203.0	1670.7	1199.2	818.3	510.4
-42.5°	4883.8	4604.0	4170.2	3676.9	3119.9	2558.2	2003.5	1509.7	1088.5	735.1	443.8
-45°	4619.5	4346.5	3915.6	3401.9	2864.6	2320.0	1811.2	1341.9	968.2	653.9	388.2
-47.5°	4344.7	4029.4	3622.2	3111.7	2587.2	2073.3	1605.2	1196.3	839.5	568.2	350.2
-50°	4025.6	3695.3	3285.5	2795.7	2293.7	1831.1	1397.4	1040.0	737.5	478.0	308.8
-52.5°	3689.2	3338.6	2926.7	2459.6	2006.9	1574.8	1211.0	878.9	630.8	412.9	264.0
-55°	3334.8	2974.1	2562.7	2125.1	1710.2	1344.2	1013.5	754.7	519.5	356.1	219.1
-57.5°	2967.5	2605.9	2209.9	1794.5	1432.4	1112.2	847.7	625.7	438.6	295.4	196.7
-60°	2597.7	2236.3	1856.9	1494.6	1162.7	908.0	700.2	507.0	363.1	238.4	172.8
-62.5°	2207.9	1868.9	1540.5	1206.0	934.1	741.4	556.3	414.6	283.5	207.4	147.3
-65°	1836.0	1533.3	1230.7	983.4	748.1	581.7	444.9	317.5	235.2	174.5	125.2
-67.5°	1474.8	1233.2	1000.8	778.2	587.1	449.3	328.6	253.5	193.9	140.1	114.2
-70°	1180.0	966.5	775.2	600.8	438.3	321.0	259.3	202.5	150.7	125.9	102.8
-72.5°	895.7	728.1	569.5	424.9	324.7	250.0	197.7	156.4	133.7	111.9	91.0
-75°	625.2	514.0	415.0	324.0	241.5	179.4	157.9	137.1	116.9	97.5	80.2
-77.5°	451.7	367.5	289.5	233.8	188.3	154.1	135.4	117.3	100.2	84.4	69.6
-80°	311.3	263.8	221.3	184.2	152.8	128.3	112.9	98.3	84.4	71.1	58.8
-82.5°	207.5	181.6	158.7	137.9	119.3	103.2	91.0	79.4	68.3	57.6	46.3
-85°	135.0	120.8	107.9	96.4	86.3	77.6	66.9	56.8	47.5	38.8	31.0
-87.5°	65.9	60.1	54.6	49.2	43.9	38.9	33.5	28.5	23.8	19.5	15.6
-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: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

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°	12.1	9.0	6.3	4.0	2.2	0.9	0.0
85°	24.0	17.9	12.5	8.1	4.5	1.8	0.0
82.5°	35.9	26.7	18.7	12.1	6.7	2.7	0.0
80°	47.2	35.3	24.8	16.0	8.9	3.5	0.0
77.5°	55.9	43.2	30.8	19.8	11.0	4.4	0.0
75°	64.3	49.7	36.4	23.6	13.2	5.3	0.0
72.5°	72.5	56.1	41.1	27.3	15.2	6.1	0.0
70°	80.7	62.2	45.6	30.7	17.2	6.9	0.0
67.5°	90.1	68.1	49.9	33.7	19.1	7.7	0.0
65°	99.2	74.5	54.1	36.6	20.9	8.5	0.0
62.5°	107.9	81.5	58.1	39.3	22.7	9.2	0.0
60°	116.2	88.2	61.8	41.9	24.4	9.9	0.0
57.5°	134.2	94.6	66.7	44.4	25.9	10.6	0.0
55°	152.3	100.6	71.3	46.7	27.3	11.2	0.0
52.5°	169.1	107.4	75.7	48.9	28.7	11.8	0.0
50°	184.5	119.8	79.8	50.8	29.9	12.4	0.0
47.5°	201.5	131.1	83.7	52.9	31.1	12.9	0.0
45°	233.6	141.4	87.2	55.5	32.2	13.4	0.0
42.5°	262.9	150.6	90.4	57.9	33.1	13.9	0.0
40°	289.5	158.7	95.2	60.1	34.0	14.3	0.0
37.5°	313.3	165.8	101.1	62.1	34.8	14.6	0.0
35°	334.1	179.7	106.4	63.9	35.4	15.0	0.0
32.5°	360.4	195.9	110.8	65.5	36.0	15.3	0.0
30°	402.3	210.0	114.6	66.8	36.5	15.5	0.0
27.5°	440.3	221.9	117.6	67.9	36.8	15.7	0.0
25°	474.1	231.8	119.9	68.8	37.1	15.9	0.0
22.5°	503.8	239.6	121.5	69.4	37.2	16.0	0.0
20°	529.4	245.5	122.4	69.8	37.3	16.0	0.0
17.5°	550.8	249.4	122.7	70.1	37.2	16.1	0.0
15°	567.9	251.5	122.4	70.1	37.1	16.1	0.0
12.5°	580.8	251.8	121.5	69.8	36.9	16.0	0.0
10°	589.5	250.4	120.0	69.4	36.5	16.0	0.0
7.5°	593.9	247.4	118.0	68.8	36.1	15.8	0.0
5°	594.0	242.9	115.6	67.9	35.6	15.7	0.0
2.5°	590.0	237.1	112.7	66.9	35.1	15.5	0.0
0°	581.8	229.9	109.5	65.7	34.4	15.3	0.0
-2.5°	590.0	237.1	112.7	66.9	35.1	15.5	0.0
-5°	594.0	242.9	115.6	67.9	35.6	15.7	0.0
-7.5°	593.9	247.4	118.0	68.8	36.1	15.8	0.0
-10°	589.5	250.4	120.0	69.4	36.5	16.0	0.0
-12.5°	580.8	251.8	121.5	69.8	36.9	16.0	0.0
-15°	567.9	251.5	122.4	70.1	37.1	16.1	0.0
-17.5°	550.8	249.4	122.7	70.1	37.2	16.1	0.0
-20°	529.4	245.5	122.4	69.8	37.3	16.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P670577 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLXL200FSUNVDBZSF-150W-5000K

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	503.8	239.6	121.5	69.4	37.2	16.0	0.0
-25°	474.1	231.8	119.9	68.8	37.1	15.9	0.0
-27.5°	440.3	221.9	117.6	67.9	36.8	15.7	0.0
-30°	402.3	210.0	114.6	66.8	36.5	15.5	0.0
-32.5°	360.4	195.9	110.8	65.5	36.0	15.3	0.0
-35°	334.1	179.7	106.4	63.9	35.4	15.0	0.0
-37.5°	313.3	165.8	101.1	62.1	34.8	14.6	0.0
-40°	289.5	158.7	95.2	60.1	34.0	14.3	0.0
-42.5°	262.9	150.6	90.4	57.9	33.1	13.9	0.0
-45°	233.6	141.4	87.2	55.5	32.2	13.4	0.0
-47.5°	201.5	131.1	83.7	52.9	31.1	12.9	0.0
-50°	184.5	119.8	79.8	50.8	29.9	12.4	0.0
-52.5°	169.1	107.4	75.7	48.9	28.7	11.8	0.0
-55°	152.3	100.6	71.3	46.7	27.3	11.2	0.0
-57.5°	134.2	94.6	66.7	44.4	25.9	10.6	0.0
-60°	116.2	88.2	61.8	41.9	24.4	9.9	0.0
-62.5°	107.9	81.5	58.1	39.3	22.7	9.2	0.0
-65°	99.2	74.5	54.1	36.6	20.9	8.5	0.0
-67.5°	90.1	68.1	49.9	33.7	19.1	7.7	0.0
-70°	80.7	62.2	45.6	30.7	17.2	6.9	0.0
-72.5°	72.5	56.1	41.1	27.3	15.2	6.1	0.0
-75°	64.3	49.7	36.4	23.6	13.2	5.3	0.0
-77.5°	55.9	43.2	30.8	19.8	11.0	4.4	0.0
-80°	47.2	35.3	24.8	16.0	8.9	3.5	0.0
-82.5°	35.9	26.7	18.7	12.1	6.7	2.7	0.0
-85°	24.0	17.9	12.5	8.1	4.5	1.8	0.0
-87.5°	12.1	9.0	6.3	4.0	2.2	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)