

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: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4E-727-U-MR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-727-U-MR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM SYMMETRICAL ROUND N89
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29628.4 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 4H x 4V
Max Intensity: 94830.8 candela
Max Intensity Angle: 0°H x 0°V

Beam Angle (50%): 28.8°H x 29°V
Beam Lumens: 14404.9 lumens
Beam Efficiency: 48.6%

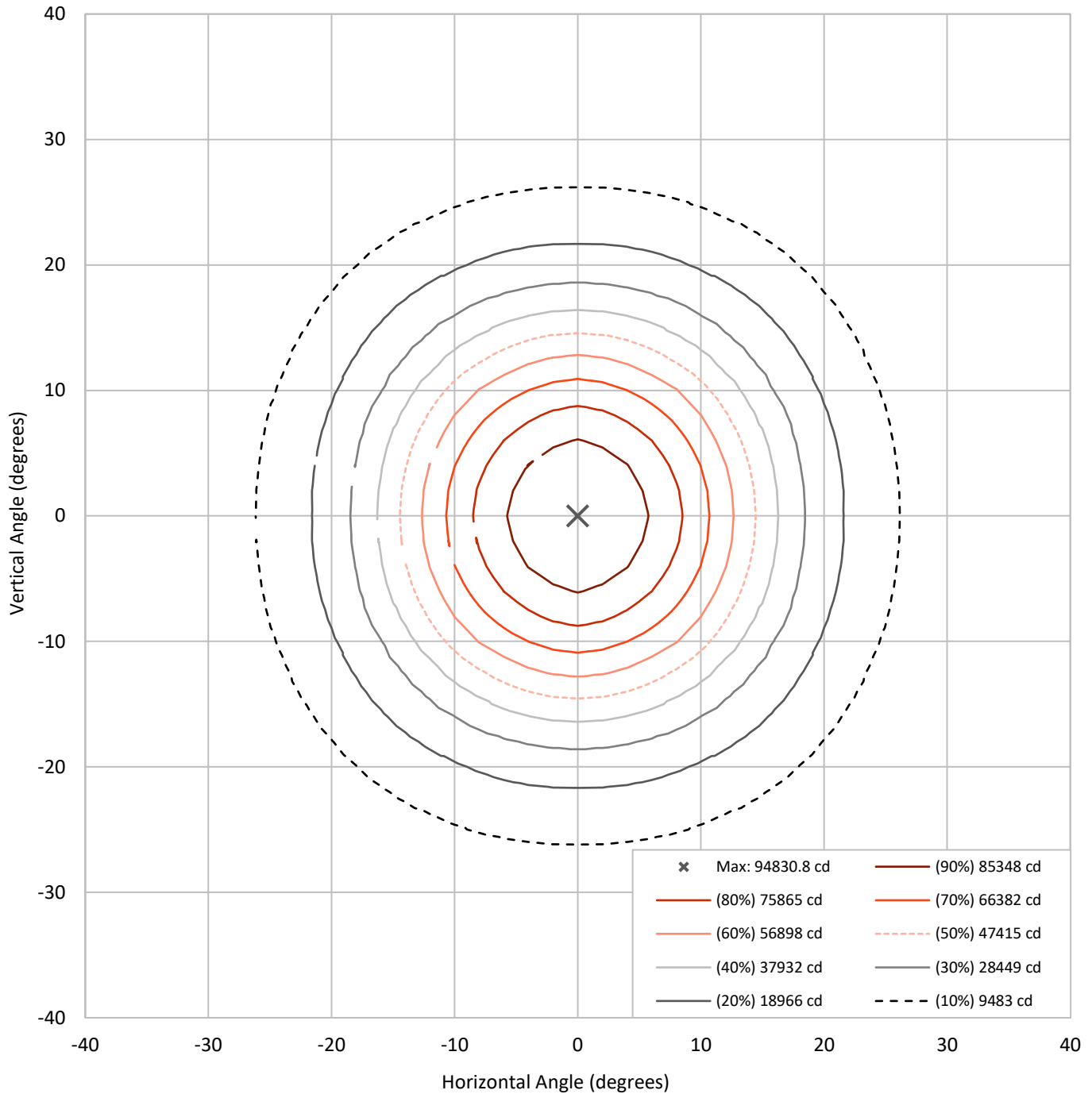
Field Angle (10%): 52.3°H x 52.3°V
Field Lumens: 24309.6 lumens
Field Efficiency: 82.0%

Input Watts (W): 255.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-MR-XX

Iso-Candela Plot





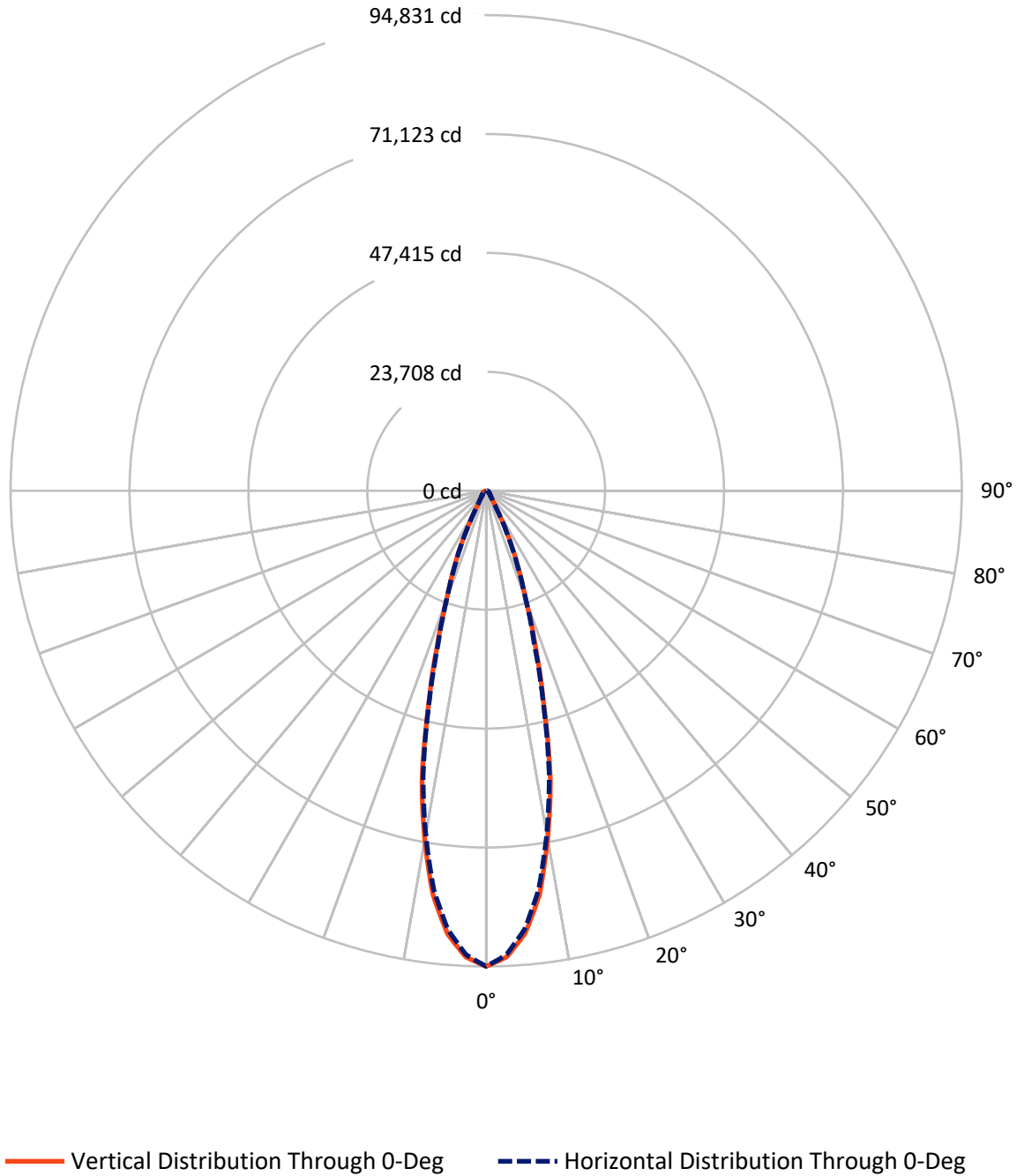
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Lumen Table

90																			
80	0.6	4.9		12.9		20.3		22.6		20.3		12.9		4.9		0.6			
70																			
60	2.2	2.5	5.1	8.4	11.7	14.3	16.0	16.8	16.8	16.0	14.3	11.7	8.4	5.1	2.5	2.2			
50		3.8	7.7	12.3	16.6	20.4	22.9	23.7	23.7	22.9	20.4	16.6	12.3	7.7	3.8				
40	3.9	4.9	9.8	15.2	20.3	25.7	30.2	32.4	32.4	30.2	25.7	20.3	15.2	9.8	4.9	3.9			
30		5.7	11.5	17.6	24.9	35.5	51.3	66.7	66.7	51.3	35.5	24.9	17.6	11.5	5.7				
20	5.0	6.4	12.6	19.8	31.9	69.3	195.0	345.9	345.9	195.0	69.3	31.9	19.8	12.6	6.4	5.0			
10		6.9	13.2	21.5	43.4	181.9	648.1	1241.9	1241.9	648.1	181.9	43.4	21.5	13.2	6.9				
0	5.4	7.1	13.5	22.7	55.1	313.9	1199.6	2359.6	2359.6	1199.6	313.9	55.1	22.7	13.5	7.1	5.4			
-10		7.1	13.5	22.7	55.1	313.9	1199.6	2359.6	2359.6	1199.6	313.9	55.1	22.7	13.5	7.1				
-20	5.0	6.9	13.2	21.5	43.4	181.9	648.1	1241.9	1241.9	648.1	181.9	43.4	21.5	13.2	6.9	5.0			
-30		6.4	12.6	19.8	31.9	69.3	195.0	345.9	345.9	195.0	69.3	31.9	19.8	12.6	6.4				
-40	3.9	5.7	11.5	17.6	24.9	35.5	51.3	66.7	66.7	51.3	35.5	24.9	17.6	11.5	5.7	3.9			
-50		4.9	9.8	15.2	20.3	25.7	30.2	32.4	32.4	30.2	25.7	20.3	15.2	9.8	4.9				
-60	2.2	3.8	7.7	12.3	16.6	20.4	22.9	23.7	23.7	22.9	20.4	16.6	12.3	7.7	3.8	2.2			
-70		2.5	5.1	8.4	11.7	14.3	16.0	16.8	16.8	16.0	14.3	11.7	8.4	5.1	2.5				
-80																			
-90	0.6	4.9		12.9		20.3		22.6		20.3		12.9		4.9		0.6			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

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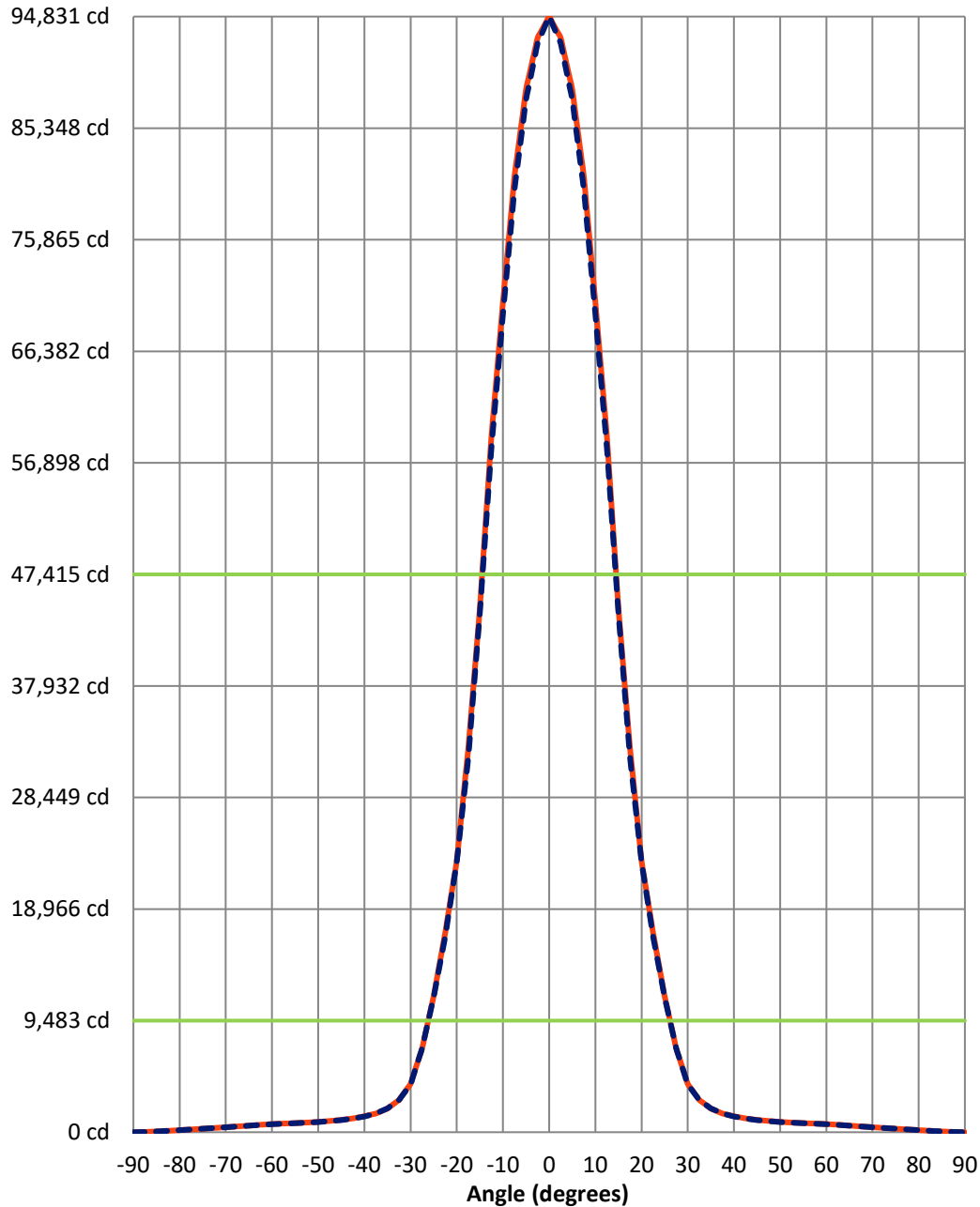
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 28.8°
 V Angle: 29°
 Lumens: 14404.9
 Efficiency: 48.6%

Field:
 H Angle: 52.3°
 V Angle: 52.3°
 Lumens: 24309.6
 Efficiency: 82.0%

Spill:
 Lumens: 5318.7
 Efficiency: 18.0%

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

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
85°	0.0	2.1	4.2	6.3	8.4	10.5	12.6	14.6	16.6	18.6	20.5
82.5°	0.0	3.2	6.3	9.5	12.6	15.7	18.8	21.9	25.4	31.1	37.2
80°	0.0	4.2	8.4	12.6	16.8	20.9	25.6	33.0	40.8	48.9	57.4
77.5°	0.0	5.3	10.5	15.7	20.9	27.5	36.4	46.0	56.0	66.5	78.1
75°	0.0	6.3	12.6	18.8	25.6	36.4	47.2	58.8	71.3	86.1	100.6
72.5°	0.0	7.3	14.6	21.9	32.7	45.3	57.8	72.2	89.3	106.2	122.8
70°	0.0	8.3	16.6	25.3	39.8	54.1	68.7	87.7	106.9	126.0	146.7
67.5°	0.0	9.3	18.6	30.5	46.7	62.7	82.0	102.9	124.4	147.8	170.8
65°	0.0	10.3	20.5	35.6	53.5	72.4	95.0	117.9	143.4	169.1	195.0
62.5°	0.0	11.2	22.4	40.6	60.2	83.1	107.8	133.8	162.1	190.3	220.0
60°	0.0	12.1	24.3	45.5	66.7	93.5	120.3	149.8	180.4	211.8	244.2
57.5°	0.0	13.1	27.4	50.3	74.7	103.7	133.5	165.5	198.5	232.6	268.1
55°	0.0	13.9	30.5	54.9	82.7	113.6	146.3	180.6	216.1	252.9	291.6
52.5°	0.0	14.8	33.5	59.4	90.4	123.3	158.7	195.4	233.0	273.4	314.4
50°	0.0	15.6	36.5	63.8	97.8	133.2	170.6	209.6	249.6	293.2	335.5
47.5°	0.0	16.4	39.3	68.3	105.0	142.6	182.0	223.4	266.5	312.4	355.5
45°	0.0	17.2	41.9	73.5	111.9	151.5	193.3	236.6	283.0	329.3	374.4
42.5°	0.0	17.9	44.5	78.4	118.5	160.0	204.1	249.7	298.5	345.2	391.8
40°	0.0	18.6	47.0	83.1	124.9	168.1	214.4	262.5	312.8	360.1	408.2
37.5°	0.0	19.3	49.3	87.5	131.0	175.6	224.1	274.5	325.5	374.5	423.8
35°	0.0	19.9	51.5	91.5	136.7	183.0	233.4	285.7	337.4	388.0	438.4
32.5°	0.0	20.5	53.6	95.3	142.0	190.2	242.1	296.0	348.6	400.7	452.5
30°	0.0	21.0	55.5	98.7	146.9	196.9	250.3	305.4	359.0	412.5	465.7
27.5°	0.0	21.6	57.3	101.9	151.3	203.0	257.8	313.7	368.5	423.3	477.8
25°	0.0	22.0	59.0	104.7	155.4	208.7	264.6	321.3	377.3	433.2	489.0
22.5°	0.0	22.4	60.5	107.2	159.2	213.8	270.7	328.1	385.1	442.1	500.1
20°	0.0	22.8	61.8	109.4	162.7	218.2	276.0	334.1	392.0	449.9	509.9
17.5°	0.0	23.2	63.0	111.2	165.8	222.0	280.9	339.3	398.1	456.8	518.5
15°	0.0	23.5	64.1	112.8	168.6	225.1	285.3	344.2	403.2	462.6	525.8
12.5°	0.0	23.7	65.0	114.0	170.9	227.7	289.1	348.7	408.0	467.4	531.8
10°	0.0	23.9	65.7	115.0	172.9	229.6	292.4	352.4	412.3	473.1	537.4
7.5°	0.0	24.1	66.3	115.6	174.5	230.9	294.9	355.3	415.7	478.1	543.5
5°	0.0	24.2	66.7	115.9	175.6	231.6	296.8	357.4	418.1	482.1	548.3
2.5°	0.0	24.3	66.9	116.0	176.3	231.7	297.9	358.7	419.5	485.1	551.8
0°	0.0	24.3	67.0	115.7	176.5	231.3	298.3	359.1	420.0	487.0	553.9
-2.5°	0.0	24.3	66.9	116.0	176.3	231.7	297.9	358.7	419.5	485.1	551.8
-5°	0.0	24.2	66.7	115.9	175.6	231.6	296.8	357.4	418.1	482.1	548.3
-7.5°	0.0	24.1	66.3	115.6	174.5	230.9	294.9	355.3	415.7	478.1	543.5
-10°	0.0	23.9	65.7	115.0	172.9	229.6	292.4	352.4	412.3	473.1	537.4
-12.5°	0.0	23.7	65.0	114.0	170.9	227.7	289.1	348.7	408.0	467.4	531.8
-15°	0.0	23.5	64.1	112.8	168.6	225.1	285.3	344.2	403.2	462.6	525.8
-17.5°	0.0	23.2	63.0	111.2	165.8	222.0	280.9	339.3	398.1	456.8	518.5
-20°	0.0	22.8	61.8	109.4	162.7	218.2	276.0	334.1	392.0	449.9	509.9

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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	22.4	60.5	107.2	159.2	213.8	270.7	328.1	385.1	442.1	500.1
-25°	0.0	22.0	59.0	104.7	155.4	208.7	264.6	321.3	377.3	433.2	489.0
-27.5°	0.0	21.6	57.3	101.9	151.3	203.0	257.8	313.7	368.5	423.3	477.8
-30°	0.0	21.0	55.5	98.7	146.9	196.9	250.3	305.4	359.0	412.5	465.7
-32.5°	0.0	20.5	53.6	95.3	142.0	190.2	242.1	296.0	348.6	400.7	452.5
-35°	0.0	19.9	51.5	91.5	136.7	183.0	233.4	285.7	337.4	388.0	438.4
-37.5°	0.0	19.3	49.3	87.5	131.0	175.6	224.1	274.5	325.5	374.5	423.8
-40°	0.0	18.6	47.0	83.1	124.9	168.1	214.4	262.5	312.8	360.1	408.2
-42.5°	0.0	17.9	44.5	78.4	118.5	160.0	204.1	249.7	298.5	345.2	391.8
-45°	0.0	17.2	41.9	73.5	111.9	151.5	193.3	236.6	283.0	329.3	374.4
-47.5°	0.0	16.4	39.3	68.3	105.0	142.6	182.0	223.4	266.5	312.4	355.5
-50°	0.0	15.6	36.5	63.8	97.8	133.2	170.6	209.6	249.6	293.2	335.5
-52.5°	0.0	14.8	33.5	59.4	90.4	123.3	158.7	195.4	233.0	273.4	314.4
-55°	0.0	13.9	30.5	54.9	82.7	113.6	146.3	180.6	216.1	252.9	291.6
-57.5°	0.0	13.1	27.4	50.3	74.7	103.7	133.5	165.5	198.5	232.6	268.1
-60°	0.0	12.1	24.3	45.5	66.7	93.5	120.3	149.8	180.4	211.8	244.2
-62.5°	0.0	11.2	22.4	40.6	60.2	83.1	107.8	133.8	162.1	190.3	220.0
-65°	0.0	10.3	20.5	35.6	53.5	72.4	95.0	117.9	143.4	169.1	195.0
-67.5°	0.0	9.3	18.6	30.5	46.7	62.7	82.0	102.9	124.4	147.8	170.8
-70°	0.0	8.3	16.6	25.3	39.8	54.1	68.7	87.7	106.9	126.0	146.7
-72.5°	0.0	7.3	14.6	21.9	32.7	45.3	57.8	72.2	89.3	106.2	122.8
-75°	0.0	6.3	12.6	18.8	25.6	36.4	47.2	58.8	71.3	86.1	100.6
-77.5°	0.0	5.3	10.5	15.7	20.9	27.5	36.4	46.0	56.0	66.5	78.1
-80°	0.0	4.2	8.4	12.6	16.8	20.9	25.6	33.0	40.8	48.9	57.4
-82.5°	0.0	3.2	6.3	9.5	12.6	15.7	18.8	21.9	25.4	31.1	37.2
-85°	0.0	2.1	4.2	6.3	8.4	10.5	12.6	14.6	16.6	18.6	20.5
-87.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.3
-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°	11.2	12.1	13.1	13.9	14.8	15.6	16.4	17.2	17.9	18.6	19.3
85°	22.4	24.3	27.9	31.4	34.8	38.2	41.4	44.4	47.4	50.2	52.8
82.5°	42.9	48.5	53.9	59.2	64.4	69.4	74.2	78.8	83.2	87.4	91.4
80°	65.2	72.6	80.1	87.0	93.8	100.4	106.8	113.0	118.9	125.2	131.9
77.5°	88.8	98.3	107.0	114.9	123.4	133.8	143.8	153.5	162.7	171.5	179.9
75°	113.1	123.9	135.8	147.5	159.8	172.3	184.4	196.0	207.3	219.0	230.6
72.5°	138.7	153.4	167.8	181.7	197.1	212.3	226.2	238.8	253.1	268.9	283.3
70°	165.8	182.8	200.9	218.8	236.3	253.1	270.3	287.6	305.1	322.0	338.3
67.5°	193.0	214.5	235.4	255.7	275.5	295.6	316.0	337.0	357.1	376.3	395.1
65°	222.1	246.0	269.4	292.1	314.2	338.8	363.0	386.3	411.8	435.5	456.0
62.5°	250.4	277.1	302.9	328.6	355.5	382.8	410.7	440.1	470.4	492.3	511.2
60°	277.5	307.7	336.4	366.0	395.9	426.6	458.8	490.1	517.8	541.8	561.6
57.5°	304.0	337.8	369.7	401.8	434.5	469.4	504.9	536.8	562.6	585.7	607.4
55°	329.7	367.2	401.1	435.2	472.4	513.4	549.7	578.5	604.9	623.9	644.8
52.5°	354.2	394.3	429.7	467.9	510.5	553.0	589.1	617.1	639.3	659.0	679.3
50°	377.5	417.8	457.2	500.7	545.6	588.3	624.8	650.6	672.9	693.4	712.9
47.5°	398.7	440.6	485.1	531.6	578.5	620.7	655.7	682.0	705.1	726.2	747.7
45°	418.7	463.7	511.0	561.9	610.0	651.8	683.7	711.9	734.1	757.8	784.8
42.5°	437.8	485.9	537.3	591.5	640.6	678.9	709.7	736.8	762.4	791.0	821.0
40°	456.6	506.7	562.3	619.2	669.3	702.4	733.4	762.0	791.6	823.9	856.7
37.5°	474.1	527.9	585.6	645.1	690.4	724.7	756.7	788.7	821.8	856.7	897.4
35°	490.2	547.4	607.9	665.4	708.9	746.4	780.7	815.3	852.5	895.0	939.9
32.5°	505.9	565.2	628.8	682.6	725.8	765.9	803.7	842.9	885.4	932.3	983.6
30°	521.3	582.6	646.9	700.1	740.9	781.9	826.3	869.9	917.1	969.2	1029.5
27.5°	536.2	598.7	662.1	713.9	754.2	795.9	843.5	896.4	948.1	1005.2	1075.0
25°	549.9	615.3	677.1	724.8	765.5	809.2	858.9	915.3	976.1	1043.9	1129.5
22.5°	562.8	630.3	691.3	734.1	775.0	820.9	874.4	934.0	1000.1	1078.7	1183.3
20°	574.9	642.0	700.8	742.7	782.9	830.3	887.7	950.6	1026.0	1121.3	1246.3
17.5°	585.5	651.8	707.3	749.6	791.1	839.8	899.1	964.6	1049.4	1158.8	1306.7
15°	594.6	659.9	713.0	755.1	798.1	849.8	910.8	982.1	1075.0	1195.6	1358.9
12.5°	602.0	666.2	717.8	758.9	803.6	857.1	920.7	999.0	1100.5	1235.7	1429.4
10°	607.9	670.8	721.5	761.4	807.5	862.0	928.5	1012.1	1121.2	1269.2	1489.7
7.5°	613.6	674.9	724.2	762.4	809.7	864.4	934.0	1021.4	1136.3	1294.4	1537.8
5°	617.7	678.7	725.7	764.7	811.1	865.5	937.6	1026.8	1145.7	1311.0	1571.8
2.5°	620.1	681.0	725.7	766.4	811.2	866.0	942.0	1029.8	1156.2	1325.0	1591.1
0°	620.9	681.8	724.4	767.0	809.6	864.4	943.5	1028.7	1162.6	1333.1	1594.8
-2.5°	620.1	681.0	725.7	766.4	811.2	866.0	942.0	1029.8	1156.2	1325.0	1591.1
-5°	617.7	678.7	725.7	764.7	811.1	865.5	937.6	1026.8	1145.7	1311.0	1571.8
-7.5°	613.6	674.9	724.2	762.4	809.7	864.4	934.0	1021.4	1136.3	1294.4	1537.8
-10°	607.9	670.8	721.5	761.4	807.5	862.0	928.5	1012.1	1121.2	1269.2	1489.7
-12.5°	602.0	666.2	717.8	758.9	803.6	857.1	920.7	999.0	1100.5	1235.7	1429.4
-15°	594.6	659.9	713.0	755.1	798.1	849.8	910.8	982.1	1075.0	1195.6	1358.9
-17.5°	585.5	651.8	707.3	749.6	791.1	839.8	899.1	964.6	1049.4	1158.8	1306.7
-20°	574.9	642.0	700.8	742.7	782.9	830.3	887.7	950.6	1026.0	1121.3	1246.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	562.8	630.3	691.3	734.1	775.0	820.9	874.4	934.0	1000.1	1078.7	1183.3
-25°	549.9	615.3	677.1	724.8	765.5	809.2	858.9	915.3	976.1	1043.9	1129.5
-27.5°	536.2	598.7	662.1	713.9	754.2	795.9	843.5	896.4	948.1	1005.2	1075.0
-30°	521.3	582.6	646.9	700.1	740.9	781.9	826.3	869.9	917.1	969.2	1029.5
-32.5°	505.9	565.2	628.8	682.6	725.8	765.9	803.7	842.9	885.4	932.3	983.6
-35°	490.2	547.4	607.9	665.4	708.9	746.4	780.7	815.3	852.5	895.0	939.9
-37.5°	474.1	527.9	585.6	645.1	690.4	724.7	756.7	788.7	821.8	856.7	897.4
-40°	456.6	506.7	562.3	619.2	669.3	702.4	733.4	762.0	791.6	823.9	856.7
-42.5°	437.8	485.9	537.3	591.5	640.6	678.9	709.7	736.8	762.4	791.0	821.0
-45°	418.7	463.7	511.0	561.9	610.0	651.8	683.7	711.9	734.1	757.8	784.8
-47.5°	398.7	440.6	485.1	531.6	578.5	620.7	655.7	682.0	705.1	726.2	747.7
-50°	377.5	417.8	457.2	500.7	545.6	588.3	624.8	650.6	672.9	693.4	712.9
-52.5°	354.2	394.3	429.7	467.9	510.5	553.0	589.1	617.1	639.3	659.0	679.3
-55°	329.7	367.2	401.1	435.2	472.4	513.4	549.7	578.5	604.9	623.9	644.8
-57.5°	304.0	337.8	369.7	401.8	434.5	469.4	504.9	536.8	562.6	585.7	607.4
-60°	277.5	307.7	336.4	366.0	395.9	426.6	458.8	490.1	517.8	541.8	561.6
-62.5°	250.4	277.1	302.9	328.6	355.5	382.8	410.7	440.1	470.4	492.3	511.2
-65°	222.1	246.0	269.4	292.1	314.2	338.8	363.0	386.3	411.8	435.5	456.0
-67.5°	193.0	214.5	235.4	255.7	275.5	295.6	316.0	337.0	357.1	376.3	395.1
-70°	165.8	182.8	200.9	218.8	236.3	253.1	270.3	287.6	305.1	322.0	338.3
-72.5°	138.7	153.4	167.8	181.7	197.1	212.3	226.2	238.8	253.1	268.9	283.3
-75°	113.1	123.9	135.8	147.5	159.8	172.3	184.4	196.0	207.3	219.0	230.6
-77.5°	88.8	98.3	107.0	114.9	123.4	133.8	143.8	153.5	162.7	171.5	179.9
-80°	65.2	72.6	80.1	87.0	93.8	100.4	106.8	113.0	118.9	125.2	131.9
-82.5°	42.9	48.5	53.9	59.2	64.4	69.4	74.2	78.8	83.2	87.4	91.4
-85°	22.4	24.3	27.9	31.4	34.8	38.2	41.4	44.4	47.4	50.2	52.8
-87.5°	11.2	12.1	13.1	13.9	14.8	15.6	16.4	17.2	17.9	18.6	19.3
-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: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-MR-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°	19.9	20.5	21.0	21.6	22.0	22.4	22.8	23.2	23.5	23.7	23.9
85°	55.4	57.7	59.9	62.0	63.9	64.3	64.5	64.4	64.1	65.0	65.7
82.5°	95.2	99.5	103.8	108.0	112.2	113.8	114.9	115.7	116.2	117.8	119.2
80°	138.2	145.0	151.2	156.8	161.8	165.4	168.6	171.5	174.2	175.5	176.1
77.5°	188.3	196.5	204.1	211.2	217.8	223.0	227.2	230.5	233.1	234.8	235.9
75°	242.1	252.5	261.7	270.3	278.1	283.6	287.5	290.3	292.2	294.3	295.9
72.5°	296.5	308.2	319.2	329.5	338.6	344.9	349.4	353.0	355.7	357.7	358.7
70°	353.6	367.8	379.8	390.1	398.3	404.4	409.2	413.1	416.0	418.1	419.2
67.5°	412.9	427.9	439.2	448.2	455.6	462.1	468.0	472.4	475.4	478.3	481.4
65°	473.2	488.5	500.1	509.7	517.4	525.7	533.4	539.1	542.9	546.3	549.8
62.5°	529.9	547.3	560.6	573.2	585.8	597.8	604.8	610.2	614.0	617.3	621.3
60°	581.4	601.1	617.5	632.7	648.2	663.8	670.2	675.2	679.9	684.4	688.4
57.5°	627.1	648.0	668.0	683.0	697.9	712.4	722.5	728.0	731.7	733.7	735.4
55°	667.0	687.9	707.8	725.1	741.2	756.1	767.3	772.7	776.7	779.2	780.8
52.5°	702.6	725.0	746.3	765.5	782.9	799.0	813.0	820.4	826.4	830.6	832.0
50°	737.7	761.9	784.9	805.4	825.7	845.0	862.8	873.0	880.2	884.7	886.1
47.5°	774.2	800.5	825.5	849.3	872.3	895.1	916.1	930.2	940.6	948.2	953.7
45°	812.4	840.6	868.2	896.3	922.7	952.1	978.8	999.3	1014.4	1027.5	1037.9
42.5°	850.7	882.4	914.1	950.3	986.3	1019.9	1051.6	1078.7	1103.4	1127.7	1146.5
40°	892.4	927.1	970.4	1013.3	1057.8	1096.8	1143.1	1184.5	1222.6	1263.6	1297.6
37.5°	937.9	982.6	1033.9	1085.3	1143.1	1199.2	1263.8	1327.5	1382.9	1454.8	1512.5
35°	987.6	1044.1	1104.7	1173.7	1248.2	1336.2	1426.7	1532.8	1622.8	1737.2	1842.7
32.5°	1042.8	1109.4	1187.9	1282.8	1383.4	1524.7	1657.3	1837.1	1990.8	2189.2	2406.0
30°	1099.0	1185.0	1291.9	1414.4	1584.6	1785.2	2018.9	2323.0	2651.9	2992.3	3450.4
27.5°	1165.6	1277.3	1410.8	1600.0	1854.6	2132.1	2608.4	3122.7	3839.1	4406.2	5416.3
25°	1237.4	1375.6	1572.8	1847.0	2198.9	2760.6	3564.5	4495.4	5928.9	7204.0	8669.4
22.5°	1322.4	1510.1	1771.2	2130.3	2743.6	3710.0	4964.8	6876.5	9001.6	11099.0	13016.0
20°	1412.5	1639.1	2004.2	2589.2	3537.1	4934.4	7173.2	9904.8	12726.0	15600.4	18022.7
17.5°	1517.5	1825.4	2306.3	3083.2	4435.6	6828.0	9818.3	13291.6	16977.4	20645.3	23831.3
15°	1607.9	1988.2	2635.9	3799.5	5816.1	8808.6	12483.8	16870.6	21505.6	26265.7	31424.8
12.5°	1723.1	2184.5	2975.4	4391.7	7041.0	10930.5	15427.5	20520.7	26180.6	32500.9	40543.7
10°	1828.8	2390.3	3421.9	5340.5	8513.4	12912.6	17970.2	23748.6	31090.0	40587.7	50289.4
7.5°	1913.5	2553.5	3768.3	6080.8	9748.2	14606.0	20259.7	27187.7	36346.7	47656.3	58741.1
5°	1972.5	2666.6	4016.1	6640.3	10741.5	15900.1	21884.5	29722.9	40777.5	53442.2	64760.6
2.5°	2009.5	2728.5	4137.4	6972.5	11389.4	16678.9	22898.2	31334.1	43493.1	57125.5	68584.8
0°	2027.0	2739.2	4060.1	7134.1	11480.3	16623.8	22990.9	31872.0	44137.5	58125.6	69538.9
-2.5°	2009.5	2728.5	4137.4	6972.5	11389.4	16678.9	22898.2	31334.1	43493.1	57125.5	68584.8
-5°	1972.5	2666.6	4016.1	6640.3	10741.5	15900.1	21884.5	29722.9	40777.5	53442.2	64760.6
-7.5°	1913.5	2553.5	3768.3	6080.8	9748.2	14606.0	20259.7	27187.7	36346.7	47656.3	58741.1
-10°	1828.8	2390.3	3421.9	5340.5	8513.4	12912.6	17970.2	23748.6	31090.0	40587.7	50289.4
-12.5°	1723.1	2184.5	2975.4	4391.7	7041.0	10930.5	15427.5	20520.7	26180.6	32500.9	40543.7
-15°	1607.9	1988.2	2635.9	3799.5	5816.1	8808.6	12483.8	16870.6	21505.6	26265.7	31424.8
-17.5°	1517.5	1825.4	2306.3	3083.2	4435.6	6828.0	9818.3	13291.6	16977.4	20645.3	23831.3
-20°	1412.5	1639.1	2004.2	2589.2	3537.1	4934.4	7173.2	9904.8	12726.0	15600.4	18022.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1322.4	1510.1	1771.2	2130.3	2743.6	3710.0	4964.8	6876.5	9001.6	11099.0	13016.0
-25°	1237.4	1375.6	1572.8	1847.0	2198.9	2760.6	3564.5	4495.4	5928.9	7204.0	8669.4
-27.5°	1165.6	1277.3	1410.8	1600.0	1854.6	2132.1	2608.4	3122.7	3839.1	4406.2	5416.3
-30°	1099.0	1185.0	1291.9	1414.4	1584.6	1785.2	2018.9	2323.0	2651.9	2992.3	3450.4
-32.5°	1042.8	1109.4	1187.9	1282.8	1383.4	1524.7	1657.3	1837.1	1990.8	2189.2	2406.0
-35°	987.6	1044.1	1104.7	1173.7	1248.2	1336.2	1426.7	1532.8	1622.8	1737.2	1842.7
-37.5°	937.9	982.6	1033.9	1085.3	1143.1	1199.2	1263.8	1327.5	1382.9	1454.8	1512.5
-40°	892.4	927.1	970.4	1013.3	1057.8	1096.8	1143.1	1184.5	1222.6	1263.6	1297.6
-42.5°	850.7	882.4	914.1	950.3	986.3	1019.9	1051.6	1078.7	1103.4	1127.7	1146.5
-45°	812.4	840.6	868.2	896.3	922.7	952.1	978.8	999.3	1014.4	1027.5	1037.9
-47.5°	774.2	800.5	825.5	849.3	872.3	895.1	916.1	930.2	940.6	948.2	953.7
-50°	737.7	761.9	784.9	805.4	825.7	845.0	862.8	873.0	880.2	884.7	886.1
-52.5°	702.6	725.0	746.3	765.5	782.9	799.0	813.0	820.4	826.4	830.6	832.0
-55°	667.0	687.9	707.8	725.1	741.2	756.1	767.3	772.7	776.7	779.2	780.8
-57.5°	627.1	648.0	668.0	683.0	697.9	712.4	722.5	728.0	731.7	733.7	735.4
-60°	581.4	601.1	617.5	632.7	648.2	663.8	670.2	675.2	679.9	684.4	688.4
-62.5°	529.9	547.3	560.6	573.2	585.8	597.8	604.8	610.2	614.0	617.3	621.3
-65°	473.2	488.5	500.1	509.7	517.4	525.7	533.4	539.1	542.9	546.3	549.8
-67.5°	412.9	427.9	439.2	448.2	455.6	462.1	468.0	472.4	475.4	478.3	481.4
-70°	353.6	367.8	379.8	390.1	398.3	404.4	409.2	413.1	416.0	418.1	419.2
-72.5°	296.5	308.2	319.2	329.5	338.6	344.9	349.4	353.0	355.7	357.7	358.7
-75°	242.1	252.5	261.7	270.3	278.1	283.6	287.5	290.3	292.2	294.3	295.9
-77.5°	188.3	196.5	204.1	211.2	217.8	223.0	227.2	230.5	233.1	234.8	235.9
-80°	138.2	145.0	151.2	156.8	161.8	165.4	168.6	171.5	174.2	175.5	176.1
-82.5°	95.2	99.5	103.8	108.0	112.2	113.8	114.9	115.7	116.2	117.8	119.2
-85°	55.4	57.7	59.9	62.0	63.9	64.3	64.5	64.4	64.1	65.0	65.7
-87.5°	19.9	20.5	21.0	21.6	22.0	22.4	22.8	23.2	23.5	23.7	23.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-MR-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°	24.1	24.2	24.3	24.3	24.3	24.2	24.1	23.9	23.7	23.5	23.2
85°	66.3	66.7	66.9	67.0	66.9	66.7	66.3	65.7	65.0	64.1	64.4
82.5°	120.3	121.1	121.5	121.7	121.5	121.1	120.3	119.2	117.8	116.2	115.7
80°	176.1	175.7	176.3	176.5	176.3	175.7	176.1	176.1	175.5	174.2	171.5
77.5°	236.4	236.3	237.1	237.4	237.1	236.3	236.4	235.9	234.8	233.1	230.5
75°	296.8	297.0	297.9	298.3	297.9	297.0	296.8	295.9	294.3	292.2	290.3
72.5°	358.7	357.7	358.7	359.1	358.7	357.7	358.7	358.7	357.7	355.7	353.0
70°	419.3	418.5	422.3	426.1	422.3	418.5	419.3	419.2	418.1	416.0	413.1
67.5°	483.6	484.8	489.2	493.1	489.2	484.8	483.6	481.4	478.3	475.4	472.4
65°	551.6	551.8	556.0	560.0	556.0	551.8	551.6	549.8	546.3	542.9	539.1
62.5°	623.7	624.4	628.8	633.1	628.8	624.4	623.7	621.3	617.3	614.0	610.2
60°	690.8	691.5	693.1	693.9	693.1	691.5	690.8	688.4	684.4	679.9	675.2
57.5°	735.9	735.3	735.9	736.5	735.9	735.3	735.9	735.4	733.7	731.7	728.0
55°	780.5	778.5	776.1	773.1	776.1	778.5	780.5	780.8	779.2	776.7	772.7
52.5°	830.9	827.6	824.8	821.8	824.8	827.6	830.9	832.0	830.6	826.4	820.4
50°	885.2	882.3	879.5	876.5	879.5	882.3	885.2	886.1	884.7	880.2	873.0
47.5°	957.5	958.8	958.3	955.7	958.3	958.8	957.5	953.7	948.2	940.6	930.2
45°	1045.4	1048.9	1049.3	1047.0	1049.3	1048.9	1045.4	1037.9	1027.5	1014.4	999.3
42.5°	1159.9	1167.6	1171.9	1174.8	1171.9	1167.6	1159.9	1146.5	1127.7	1103.4	1078.7
40°	1322.3	1338.0	1348.0	1357.4	1348.0	1338.0	1322.3	1297.6	1263.6	1222.6	1184.5
37.5°	1555.3	1583.8	1596.6	1588.7	1596.6	1583.8	1555.3	1512.5	1454.8	1382.9	1327.5
35°	1924.0	1978.2	2006.4	2008.7	2006.4	1978.2	1924.0	1842.7	1737.2	1622.8	1532.8
32.5°	2566.1	2677.2	2736.8	2745.3	2736.8	2677.2	2566.1	2406.0	2189.2	1990.8	1837.1
30°	3801.1	4027.6	4134.0	4108.8	4134.0	4027.6	3801.1	3450.4	2992.3	2651.9	2323.0
27.5°	6201.5	6766.5	7101.4	7128.0	7101.4	6766.5	6201.5	5416.3	4406.2	3839.1	3122.7
25°	9967.3	10931.8	11549.4	11559.4	11549.4	10931.8	9967.3	8669.4	7204.0	5928.9	4495.4
22.5°	14788.6	16105.2	16826.6	16952.5	16826.6	16105.2	14788.6	13016.0	11099.0	9001.6	6876.5
20°	20374.4	22125.9	23062.9	23064.0	23062.9	22125.9	20374.4	18022.7	15600.4	12726.0	9904.8
17.5°	27253.5	30097.4	31882.7	32651.2	31882.7	30097.4	27253.5	23831.3	20645.3	16977.4	13291.6
15°	36392.5	41171.6	44035.4	44551.4	44035.4	41171.6	36392.5	31424.8	26265.7	21505.6	16870.6
12.5°	47520.3	53568.3	57633.9	59123.9	57633.9	53568.3	47520.3	40543.7	32500.9	26180.6	20520.7
10°	59138.6	64742.4	69098.0	70561.5	69098.0	64742.4	59138.6	50289.4	40587.7	31090.0	23748.6
7.5°	67531.9	74214.3	79120.4	81274.8	79120.4	74214.3	67531.9	58741.1	47656.3	36346.7	27187.7
5°	74157.6	82064.6	86631.6	88658.5	86631.6	82064.6	74157.6	64760.6	53442.2	40777.5	29722.9
2.5°	78504.9	86317.7	91153.9	93022.9	91153.9	86317.7	78504.9	68584.8	57125.5	43493.1	31334.1
0°	80130.5	87769.7	92548.1	94830.8	92548.1	87769.7	80130.5	69538.9	58125.6	44137.5	31872.0
-2.5°	78504.9	86317.7	91153.9	93022.9	91153.9	86317.7	78504.9	68584.8	57125.5	43493.1	31334.1
-5°	74157.6	82064.6	86631.6	88658.5	86631.6	82064.6	74157.6	64760.6	53442.2	40777.5	29722.9
-7.5°	67531.9	74214.3	79120.4	81274.8	79120.4	74214.3	67531.9	58741.1	47656.3	36346.7	27187.7
-10°	59138.6	64742.4	69098.0	70561.5	69098.0	64742.4	59138.6	50289.4	40587.7	31090.0	23748.6
-12.5°	47520.3	53568.3	57633.9	59123.9	57633.9	53568.3	47520.3	40543.7	32500.9	26180.6	20520.7
-15°	36392.5	41171.6	44035.4	44551.4	44035.4	41171.6	36392.5	31424.8	26265.7	21505.6	16870.6
-17.5°	27253.5	30097.4	31882.7	32651.2	31882.7	30097.4	27253.5	23831.3	20645.3	16977.4	13291.6
-20°	20374.4	22125.9	23062.9	23064.0	23062.9	22125.9	20374.4	18022.7	15600.4	12726.0	9904.8



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14788.6	16105.2	16826.6	16952.5	16826.6	16105.2	14788.6	13016.0	11099.0	9001.6	6876.5
-25°	9967.3	10931.8	11549.4	11559.4	11549.4	10931.8	9967.3	8669.4	7204.0	5928.9	4495.4
-27.5°	6201.5	6766.5	7101.4	7128.0	7101.4	6766.5	6201.5	5416.3	4406.2	3839.1	3122.7
-30°	3801.1	4027.6	4134.0	4108.8	4134.0	4027.6	3801.1	3450.4	2992.3	2651.9	2323.0
-32.5°	2566.1	2677.2	2736.8	2745.3	2736.8	2677.2	2566.1	2406.0	2189.2	1990.8	1837.1
-35°	1924.0	1978.2	2006.4	2008.7	2006.4	1978.2	1924.0	1842.7	1737.2	1622.8	1532.8
-37.5°	1555.3	1583.8	1596.6	1588.7	1596.6	1583.8	1555.3	1512.5	1454.8	1382.9	1327.5
-40°	1322.3	1338.0	1348.0	1357.4	1348.0	1338.0	1322.3	1297.6	1263.6	1222.6	1184.5
-42.5°	1159.9	1167.6	1171.9	1174.8	1171.9	1167.6	1159.9	1146.5	1127.7	1103.4	1078.7
-45°	1045.4	1048.9	1049.3	1047.0	1049.3	1048.9	1045.4	1037.9	1027.5	1014.4	999.3
-47.5°	957.5	958.8	958.3	955.7	958.3	958.8	957.5	953.7	948.2	940.6	930.2
-50°	885.2	882.3	879.5	876.5	879.5	882.3	885.2	886.1	884.7	880.2	873.0
-52.5°	830.9	827.6	824.8	821.8	824.8	827.6	830.9	832.0	830.6	826.4	820.4
-55°	780.5	778.5	776.1	773.1	776.1	778.5	780.5	780.8	779.2	776.7	772.7
-57.5°	735.9	735.3	735.9	736.5	735.9	735.3	735.9	735.4	733.7	731.7	728.0
-60°	690.8	691.5	693.1	693.9	693.1	691.5	690.8	688.4	684.4	679.9	675.2
-62.5°	623.7	624.4	628.8	633.1	628.8	624.4	623.7	621.3	617.3	614.0	610.2
-65°	551.6	551.8	556.0	560.0	556.0	551.8	551.6	549.8	546.3	542.9	539.1
-67.5°	483.6	484.8	489.2	493.1	489.2	484.8	483.6	481.4	478.3	475.4	472.4
-70°	419.3	418.5	422.3	426.1	422.3	418.5	419.3	419.2	418.1	416.0	413.1
-72.5°	358.7	357.7	358.7	359.1	358.7	357.7	358.7	358.7	357.7	355.7	353.0
-75°	296.8	297.0	297.9	298.3	297.9	297.0	296.8	295.9	294.3	292.2	290.3
-77.5°	236.4	236.3	237.1	237.4	237.1	236.3	236.4	235.9	234.8	233.1	230.5
-80°	176.1	175.7	176.3	176.5	176.3	175.7	176.1	176.1	175.5	174.2	171.5
-82.5°	120.3	121.1	121.5	121.7	121.5	121.1	120.3	119.2	117.8	116.2	115.7
-85°	66.3	66.7	66.9	67.0	66.9	66.7	66.3	65.7	65.0	64.1	64.4
-87.5°	24.1	24.2	24.3	24.3	24.3	24.2	24.1	23.9	23.7	23.5	23.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-MR-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°	22.8	22.4	22.0	21.6	21.0	20.5	19.9	19.3	18.6	17.9	17.2
85°	64.5	64.3	63.9	62.0	59.9	57.7	55.4	52.8	50.2	47.4	44.4
82.5°	114.9	113.8	112.2	108.0	103.8	99.5	95.2	91.4	87.4	83.2	78.8
80°	168.6	165.4	161.8	156.8	151.2	145.0	138.2	131.9	125.2	118.9	113.0
77.5°	227.2	223.0	217.8	211.2	204.1	196.5	188.3	179.9	171.5	162.7	153.5
75°	287.5	283.6	278.1	270.3	261.7	252.5	242.1	230.6	219.0	207.3	196.0
72.5°	349.4	344.9	338.6	329.5	319.2	308.2	296.5	283.3	268.9	253.1	238.8
70°	409.2	404.4	398.3	390.1	379.8	367.8	353.6	338.3	322.0	305.1	287.6
67.5°	468.0	462.1	455.6	448.2	439.2	427.9	412.9	395.1	376.3	357.1	337.0
65°	533.4	525.7	517.4	509.7	500.1	488.5	473.2	456.0	435.5	411.8	386.3
62.5°	604.8	597.8	585.8	573.2	560.6	547.3	529.9	511.2	492.3	470.4	440.1
60°	670.2	663.8	648.2	632.7	617.5	601.1	581.4	561.6	541.8	517.8	490.1
57.5°	722.5	712.4	697.9	683.0	668.0	648.0	627.1	607.4	585.7	562.6	536.8
55°	767.3	756.1	741.2	725.1	707.8	687.9	667.0	644.8	623.9	604.9	578.5
52.5°	813.0	799.0	782.9	765.5	746.3	725.0	702.6	679.3	659.0	639.3	617.1
50°	862.8	845.0	825.7	805.4	784.9	761.9	737.7	712.9	693.4	672.9	650.6
47.5°	916.1	895.1	872.3	849.3	825.5	800.5	774.2	747.7	726.2	705.1	682.0
45°	978.8	952.1	922.7	896.3	868.2	840.6	812.4	784.8	757.8	734.1	711.9
42.5°	1051.6	1019.9	986.3	950.3	914.1	882.4	850.7	821.0	791.0	762.4	736.8
40°	1143.1	1096.8	1057.8	1013.3	970.4	927.1	892.4	856.7	823.9	791.6	762.0
37.5°	1263.8	1199.2	1143.1	1085.3	1033.9	982.6	937.9	897.4	856.7	821.8	788.7
35°	1426.7	1336.2	1248.2	1173.7	1104.7	1044.1	987.6	939.9	895.0	852.5	815.3
32.5°	1657.3	1524.7	1383.4	1282.8	1187.9	1109.4	1042.8	983.6	932.3	885.4	842.9
30°	2018.9	1785.2	1584.6	1414.4	1291.9	1185.0	1099.0	1029.5	969.2	917.1	869.9
27.5°	2608.4	2132.1	1854.6	1600.0	1410.8	1277.3	1165.6	1075.0	1005.2	948.1	896.4
25°	3564.5	2760.6	2198.9	1847.0	1572.8	1375.6	1237.4	1129.5	1043.9	976.1	915.3
22.5°	4964.8	3710.0	2743.6	2130.3	1771.2	1510.1	1322.4	1183.3	1078.7	1000.1	934.0
20°	7173.2	4934.4	3537.1	2589.2	2004.2	1639.1	1412.5	1246.3	1121.3	1026.0	950.6
17.5°	9818.3	6828.0	4435.6	3083.2	2306.3	1825.4	1517.5	1306.7	1158.8	1049.4	964.6
15°	12483.8	8808.6	5816.1	3799.5	2635.9	1988.2	1607.9	1358.9	1195.6	1075.0	982.1
12.5°	15427.5	10930.5	7041.0	4391.7	2975.4	2184.5	1723.1	1429.4	1235.7	1100.5	999.0
10°	17970.2	12912.6	8513.4	5340.5	3421.9	2390.3	1828.8	1489.7	1269.2	1121.2	1012.1
7.5°	20259.7	14606.0	9748.2	6080.8	3768.3	2553.5	1913.5	1537.8	1294.4	1136.3	1021.4
5°	21884.5	15900.1	10741.5	6640.3	4016.1	2666.6	1972.5	1571.8	1311.0	1145.7	1026.8
2.5°	22898.2	16678.9	11389.4	6972.5	4137.4	2728.5	2009.5	1591.1	1325.0	1156.2	1029.8
0°	22990.9	16623.8	11480.3	7134.1	4060.1	2739.2	2027.0	1594.8	1333.1	1162.6	1028.7
-2.5°	22898.2	16678.9	11389.4	6972.5	4137.4	2728.5	2009.5	1591.1	1325.0	1156.2	1029.8
-5°	21884.5	15900.1	10741.5	6640.3	4016.1	2666.6	1972.5	1571.8	1311.0	1145.7	1026.8
-7.5°	20259.7	14606.0	9748.2	6080.8	3768.3	2553.5	1913.5	1537.8	1294.4	1136.3	1021.4
-10°	17970.2	12912.6	8513.4	5340.5	3421.9	2390.3	1828.8	1489.7	1269.2	1121.2	1012.1
-12.5°	15427.5	10930.5	7041.0	4391.7	2975.4	2184.5	1723.1	1429.4	1235.7	1100.5	999.0
-15°	12483.8	8808.6	5816.1	3799.5	2635.9	1988.2	1607.9	1358.9	1195.6	1075.0	982.1
-17.5°	9818.3	6828.0	4435.6	3083.2	2306.3	1825.4	1517.5	1306.7	1158.8	1049.4	964.6
-20°	7173.2	4934.4	3537.1	2589.2	2004.2	1639.1	1412.5	1246.3	1121.3	1026.0	950.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4964.8	3710.0	2743.6	2130.3	1771.2	1510.1	1322.4	1183.3	1078.7	1000.1	934.0
-25°	3564.5	2760.6	2198.9	1847.0	1572.8	1375.6	1237.4	1129.5	1043.9	976.1	915.3
-27.5°	2608.4	2132.1	1854.6	1600.0	1410.8	1277.3	1165.6	1075.0	1005.2	948.1	896.4
-30°	2018.9	1785.2	1584.6	1414.4	1291.9	1185.0	1099.0	1029.5	969.2	917.1	869.9
-32.5°	1657.3	1524.7	1383.4	1282.8	1187.9	1109.4	1042.8	983.6	932.3	885.4	842.9
-35°	1426.7	1336.2	1248.2	1173.7	1104.7	1044.1	987.6	939.9	895.0	852.5	815.3
-37.5°	1263.8	1199.2	1143.1	1085.3	1033.9	982.6	937.9	897.4	856.7	821.8	788.7
-40°	1143.1	1096.8	1057.8	1013.3	970.4	927.1	892.4	856.7	823.9	791.6	762.0
-42.5°	1051.6	1019.9	986.3	950.3	914.1	882.4	850.7	821.0	791.0	762.4	736.8
-45°	978.8	952.1	922.7	896.3	868.2	840.6	812.4	784.8	757.8	734.1	711.9
-47.5°	916.1	895.1	872.3	849.3	825.5	800.5	774.2	747.7	726.2	705.1	682.0
-50°	862.8	845.0	825.7	805.4	784.9	761.9	737.7	712.9	693.4	672.9	650.6
-52.5°	813.0	799.0	782.9	765.5	746.3	725.0	702.6	679.3	659.0	639.3	617.1
-55°	767.3	756.1	741.2	725.1	707.8	687.9	667.0	644.8	623.9	604.9	578.5
-57.5°	722.5	712.4	697.9	683.0	668.0	648.0	627.1	607.4	585.7	562.6	536.8
-60°	670.2	663.8	648.2	632.7	617.5	601.1	581.4	561.6	541.8	517.8	490.1
-62.5°	604.8	597.8	585.8	573.2	560.6	547.3	529.9	511.2	492.3	470.4	440.1
-65°	533.4	525.7	517.4	509.7	500.1	488.5	473.2	456.0	435.5	411.8	386.3
-67.5°	468.0	462.1	455.6	448.2	439.2	427.9	412.9	395.1	376.3	357.1	337.0
-70°	409.2	404.4	398.3	390.1	379.8	367.8	353.6	338.3	322.0	305.1	287.6
-72.5°	349.4	344.9	338.6	329.5	319.2	308.2	296.5	283.3	268.9	253.1	238.8
-75°	287.5	283.6	278.1	270.3	261.7	252.5	242.1	230.6	219.0	207.3	196.0
-77.5°	227.2	223.0	217.8	211.2	204.1	196.5	188.3	179.9	171.5	162.7	153.5
-80°	168.6	165.4	161.8	156.8	151.2	145.0	138.2	131.9	125.2	118.9	113.0
-82.5°	114.9	113.8	112.2	108.0	103.8	99.5	95.2	91.4	87.4	83.2	78.8
-85°	64.5	64.3	63.9	62.0	59.9	57.7	55.4	52.8	50.2	47.4	44.4
-87.5°	22.8	22.4	22.0	21.6	21.0	20.5	19.9	19.3	18.6	17.9	17.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-727-U-MR-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°	16.4	15.6	14.8	13.9	13.1	12.1	11.2	10.3	9.3	8.3	7.3
85°	41.4	38.2	34.8	31.4	27.9	24.3	22.4	20.5	18.6	16.6	14.6
82.5°	74.2	69.4	64.4	59.2	53.9	48.5	42.9	37.2	31.1	25.4	21.9
80°	106.8	100.4	93.8	87.0	80.1	72.6	65.2	57.4	48.9	40.8	33.0
77.5°	143.8	133.8	123.4	114.9	107.0	98.3	88.8	78.1	66.5	56.0	46.0
75°	184.4	172.3	159.8	147.5	135.8	123.9	113.1	100.6	86.1	71.3	58.8
72.5°	226.2	212.3	197.1	181.7	167.8	153.4	138.7	122.8	106.2	89.3	72.2
70°	270.3	253.1	236.3	218.8	200.9	182.8	165.8	146.7	126.0	106.9	87.7
67.5°	316.0	295.6	275.5	255.7	235.4	214.5	193.0	170.8	147.8	124.4	102.9
65°	363.0	338.8	314.2	292.1	269.4	246.0	222.1	195.0	169.1	143.4	117.9
62.5°	410.7	382.8	355.5	328.6	302.9	277.1	250.4	220.0	190.3	162.1	133.8
60°	458.8	426.6	395.9	366.0	336.4	307.7	277.5	244.2	211.8	180.4	149.8
57.5°	504.9	469.4	434.5	401.8	369.7	337.8	304.0	268.1	232.6	198.5	165.5
55°	549.7	513.4	472.4	435.2	401.1	367.2	329.7	291.6	252.9	216.1	180.6
52.5°	589.1	553.0	510.5	467.9	429.7	394.3	354.2	314.4	273.4	233.0	195.4
50°	624.8	588.3	545.6	500.7	457.2	417.8	377.5	335.5	293.2	249.6	209.6
47.5°	655.7	620.7	578.5	531.6	485.1	440.6	398.7	355.5	312.4	266.5	223.4
45°	683.7	651.8	610.0	561.9	511.0	463.7	418.7	374.4	329.3	283.0	236.6
42.5°	709.7	678.9	640.6	591.5	537.3	485.9	437.8	391.8	345.2	298.5	249.7
40°	733.4	702.4	669.3	619.2	562.3	506.7	456.6	408.2	360.1	312.8	262.5
37.5°	756.7	724.7	690.4	645.1	585.6	527.9	474.1	423.8	374.5	325.5	274.5
35°	780.7	746.4	708.9	665.4	607.9	547.4	490.2	438.4	388.0	337.4	285.7
32.5°	803.7	765.9	725.8	682.6	628.8	565.2	505.9	452.5	400.7	348.6	296.0
30°	826.3	781.9	740.9	700.1	646.9	582.6	521.3	465.7	412.5	359.0	305.4
27.5°	843.5	795.9	754.2	713.9	662.1	598.7	536.2	477.8	423.3	368.5	313.7
25°	858.9	809.2	765.5	724.8	677.1	615.3	549.9	489.0	433.2	377.3	321.3
22.5°	874.4	820.9	775.0	734.1	691.3	630.3	562.8	500.1	442.1	385.1	328.1
20°	887.7	830.3	782.9	742.7	700.8	642.0	574.9	509.9	449.9	392.0	334.1
17.5°	899.1	839.8	791.1	749.6	707.3	651.8	585.5	518.5	456.8	398.1	339.3
15°	910.8	849.8	798.1	755.1	713.0	659.9	594.6	525.8	462.6	403.2	344.2
12.5°	920.7	857.1	803.6	758.9	717.8	666.2	602.0	531.8	467.4	408.0	348.7
10°	928.5	862.0	807.5	761.4	721.5	670.8	607.9	537.4	473.1	412.3	352.4
7.5°	934.0	864.4	809.7	762.4	724.2	674.9	613.6	543.5	478.1	415.7	355.3
5°	937.6	865.5	811.1	764.7	725.7	678.7	617.7	548.3	482.1	418.1	357.4
2.5°	942.0	866.0	811.2	766.4	725.7	681.0	620.1	551.8	485.1	419.5	358.7
0°	943.5	864.4	809.6	767.0	724.4	681.8	620.9	553.9	487.0	420.0	359.1
-2.5°	942.0	866.0	811.2	766.4	725.7	681.0	620.1	551.8	485.1	419.5	358.7
-5°	937.6	865.5	811.1	764.7	725.7	678.7	617.7	548.3	482.1	418.1	357.4
-7.5°	934.0	864.4	809.7	762.4	724.2	674.9	613.6	543.5	478.1	415.7	355.3
-10°	928.5	862.0	807.5	761.4	721.5	670.8	607.9	537.4	473.1	412.3	352.4
-12.5°	920.7	857.1	803.6	758.9	717.8	666.2	602.0	531.8	467.4	408.0	348.7
-15°	910.8	849.8	798.1	755.1	713.0	659.9	594.6	525.8	462.6	403.2	344.2
-17.5°	899.1	839.8	791.1	749.6	707.3	651.8	585.5	518.5	456.8	398.1	339.3
-20°	887.7	830.3	782.9	742.7	700.8	642.0	574.9	509.9	449.9	392.0	334.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	874.4	820.9	775.0	734.1	691.3	630.3	562.8	500.1	442.1	385.1	328.1
-25°	858.9	809.2	765.5	724.8	677.1	615.3	549.9	489.0	433.2	377.3	321.3
-27.5°	843.5	795.9	754.2	713.9	662.1	598.7	536.2	477.8	423.3	368.5	313.7
-30°	826.3	781.9	740.9	700.1	646.9	582.6	521.3	465.7	412.5	359.0	305.4
-32.5°	803.7	765.9	725.8	682.6	628.8	565.2	505.9	452.5	400.7	348.6	296.0
-35°	780.7	746.4	708.9	665.4	607.9	547.4	490.2	438.4	388.0	337.4	285.7
-37.5°	756.7	724.7	690.4	645.1	585.6	527.9	474.1	423.8	374.5	325.5	274.5
-40°	733.4	702.4	669.3	619.2	562.3	506.7	456.6	408.2	360.1	312.8	262.5
-42.5°	709.7	678.9	640.6	591.5	537.3	485.9	437.8	391.8	345.2	298.5	249.7
-45°	683.7	651.8	610.0	561.9	511.0	463.7	418.7	374.4	329.3	283.0	236.6
-47.5°	655.7	620.7	578.5	531.6	485.1	440.6	398.7	355.5	312.4	266.5	223.4
-50°	624.8	588.3	545.6	500.7	457.2	417.8	377.5	335.5	293.2	249.6	209.6
-52.5°	589.1	553.0	510.5	467.9	429.7	394.3	354.2	314.4	273.4	233.0	195.4
-55°	549.7	513.4	472.4	435.2	401.1	367.2	329.7	291.6	252.9	216.1	180.6
-57.5°	504.9	469.4	434.5	401.8	369.7	337.8	304.0	268.1	232.6	198.5	165.5
-60°	458.8	426.6	395.9	366.0	336.4	307.7	277.5	244.2	211.8	180.4	149.8
-62.5°	410.7	382.8	355.5	328.6	302.9	277.1	250.4	220.0	190.3	162.1	133.8
-65°	363.0	338.8	314.2	292.1	269.4	246.0	222.1	195.0	169.1	143.4	117.9
-67.5°	316.0	295.6	275.5	255.7	235.4	214.5	193.0	170.8	147.8	124.4	102.9
-70°	270.3	253.1	236.3	218.8	200.9	182.8	165.8	146.7	126.0	106.9	87.7
-72.5°	226.2	212.3	197.1	181.7	167.8	153.4	138.7	122.8	106.2	89.3	72.2
-75°	184.4	172.3	159.8	147.5	135.8	123.9	113.1	100.6	86.1	71.3	58.8
-77.5°	143.8	133.8	123.4	114.9	107.0	98.3	88.8	78.1	66.5	56.0	46.0
-80°	106.8	100.4	93.8	87.0	80.1	72.6	65.2	57.4	48.9	40.8	33.0
-82.5°	74.2	69.4	64.4	59.2	53.9	48.5	42.9	37.2	31.1	25.4	21.9
-85°	41.4	38.2	34.8	31.4	27.9	24.3	22.4	20.5	18.6	16.6	14.6
-87.5°	16.4	15.6	14.8	13.9	13.1	12.1	11.2	10.3	9.3	8.3	7.3
-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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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-727-U-MR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
85°	12.6	10.5	8.4	6.3	4.2	2.1	0.0
82.5°	18.8	15.7	12.6	9.5	6.3	3.2	0.0
80°	25.6	20.9	16.8	12.6	8.4	4.2	0.0
77.5°	36.4	27.5	20.9	15.7	10.5	5.3	0.0
75°	47.2	36.4	25.6	18.8	12.6	6.3	0.0
72.5°	57.8	45.3	32.7	21.9	14.6	7.3	0.0
70°	68.7	54.1	39.8	25.3	16.6	8.3	0.0
67.5°	82.0	62.7	46.7	30.5	18.6	9.3	0.0
65°	95.0	72.4	53.5	35.6	20.5	10.3	0.0
62.5°	107.8	83.1	60.2	40.6	22.4	11.2	0.0
60°	120.3	93.5	66.7	45.5	24.3	12.1	0.0
57.5°	133.5	103.7	74.7	50.3	27.4	13.1	0.0
55°	146.3	113.6	82.7	54.9	30.5	13.9	0.0
52.5°	158.7	123.3	90.4	59.4	33.5	14.8	0.0
50°	170.6	133.2	97.8	63.8	36.5	15.6	0.0
47.5°	182.0	142.6	105.0	68.3	39.3	16.4	0.0
45°	193.3	151.5	111.9	73.5	41.9	17.2	0.0
42.5°	204.1	160.0	118.5	78.4	44.5	17.9	0.0
40°	214.4	168.1	124.9	83.1	47.0	18.6	0.0
37.5°	224.1	175.6	131.0	87.5	49.3	19.3	0.0
35°	233.4	183.0	136.7	91.5	51.5	19.9	0.0
32.5°	242.1	190.2	142.0	95.3	53.6	20.5	0.0
30°	250.3	196.9	146.9	98.7	55.5	21.0	0.0
27.5°	257.8	203.0	151.3	101.9	57.3	21.6	0.0
25°	264.6	208.7	155.4	104.7	59.0	22.0	0.0
22.5°	270.7	213.8	159.2	107.2	60.5	22.4	0.0
20°	276.0	218.2	162.7	109.4	61.8	22.8	0.0
17.5°	280.9	222.0	165.8	111.2	63.0	23.2	0.0
15°	285.3	225.1	168.6	112.8	64.1	23.5	0.0
12.5°	289.1	227.7	170.9	114.0	65.0	23.7	0.0
10°	292.4	229.6	172.9	115.0	65.7	23.9	0.0
7.5°	294.9	230.9	174.5	115.6	66.3	24.1	0.0
5°	296.8	231.6	175.6	115.9	66.7	24.2	0.0
2.5°	297.9	231.7	176.3	116.0	66.9	24.3	0.0
0°	298.3	231.3	176.5	115.7	67.0	24.3	0.0
-2.5°	297.9	231.7	176.3	116.0	66.9	24.3	0.0
-5°	296.8	231.6	175.6	115.9	66.7	24.2	0.0
-7.5°	294.9	230.9	174.5	115.6	66.3	24.1	0.0
-10°	292.4	229.6	172.9	115.0	65.7	23.9	0.0
-12.5°	289.1	227.7	170.9	114.0	65.0	23.7	0.0
-15°	285.3	225.1	168.6	112.8	64.1	23.5	0.0
-17.5°	280.9	222.0	165.8	111.2	63.0	23.2	0.0
-20°	276.0	218.2	162.7	109.4	61.8	22.8	0.0

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Scaled Data Report



REPORT NUMBER: P627495 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	270.7	213.8	159.2	107.2	60.5	22.4	0.0
-25°	264.6	208.7	155.4	104.7	59.0	22.0	0.0
-27.5°	257.8	203.0	151.3	101.9	57.3	21.6	0.0
-30°	250.3	196.9	146.9	98.7	55.5	21.0	0.0
-32.5°	242.1	190.2	142.0	95.3	53.6	20.5	0.0
-35°	233.4	183.0	136.7	91.5	51.5	19.9	0.0
-37.5°	224.1	175.6	131.0	87.5	49.3	19.3	0.0
-40°	214.4	168.1	124.9	83.1	47.0	18.6	0.0
-42.5°	204.1	160.0	118.5	78.4	44.5	17.9	0.0
-45°	193.3	151.5	111.9	73.5	41.9	17.2	0.0
-47.5°	182.0	142.6	105.0	68.3	39.3	16.4	0.0
-50°	170.6	133.2	97.8	63.8	36.5	15.6	0.0
-52.5°	158.7	123.3	90.4	59.4	33.5	14.8	0.0
-55°	146.3	113.6	82.7	54.9	30.5	13.9	0.0
-57.5°	133.5	103.7	74.7	50.3	27.4	13.1	0.0
-60°	120.3	93.5	66.7	45.5	24.3	12.1	0.0
-62.5°	107.8	83.1	60.2	40.6	22.4	11.2	0.0
-65°	95.0	72.4	53.5	35.6	20.5	10.3	0.0
-67.5°	82.0	62.7	46.7	30.5	18.6	9.3	0.0
-70°	68.7	54.1	39.8	25.3	16.6	8.3	0.0
-72.5°	57.8	45.3	32.7	21.9	14.6	7.3	0.0
-75°	47.2	36.4	25.6	18.8	12.6	6.3	0.0
-77.5°	36.4	27.5	20.9	15.7	10.5	5.3	0.0
-80°	25.6	20.9	16.8	12.6	8.4	4.2	0.0
-82.5°	18.8	15.7	12.6	9.5	6.3	3.2	0.0
-85°	12.6	10.5	8.4	6.3	4.2	2.1	0.0
-87.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)