

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-735-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-735-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N121
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

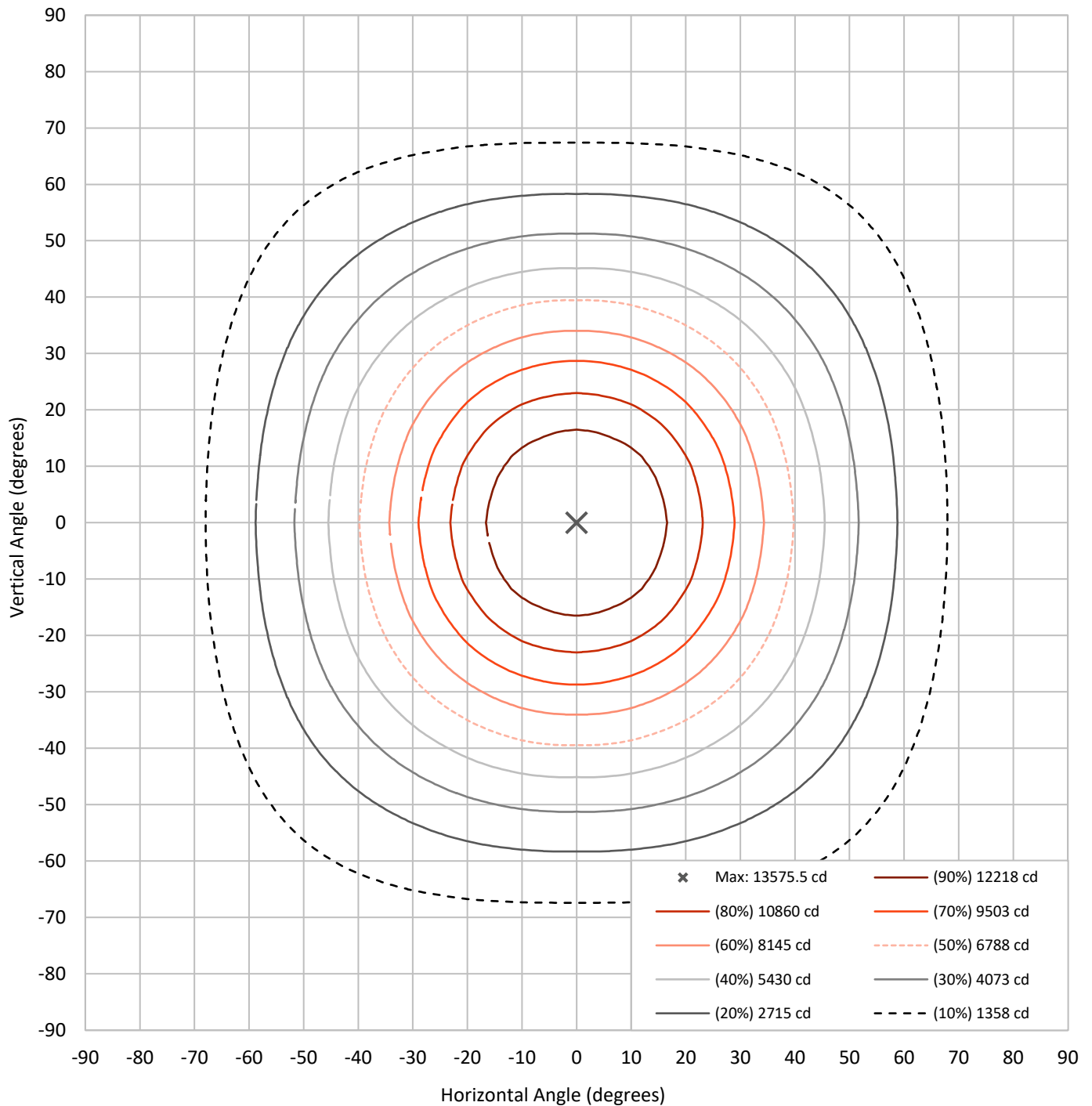
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	24536.5 lumens	Max Intensity:	13575.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	14390.8 lumens	Field Lumens:	23391.4 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	158.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

Iso-Candela Plot





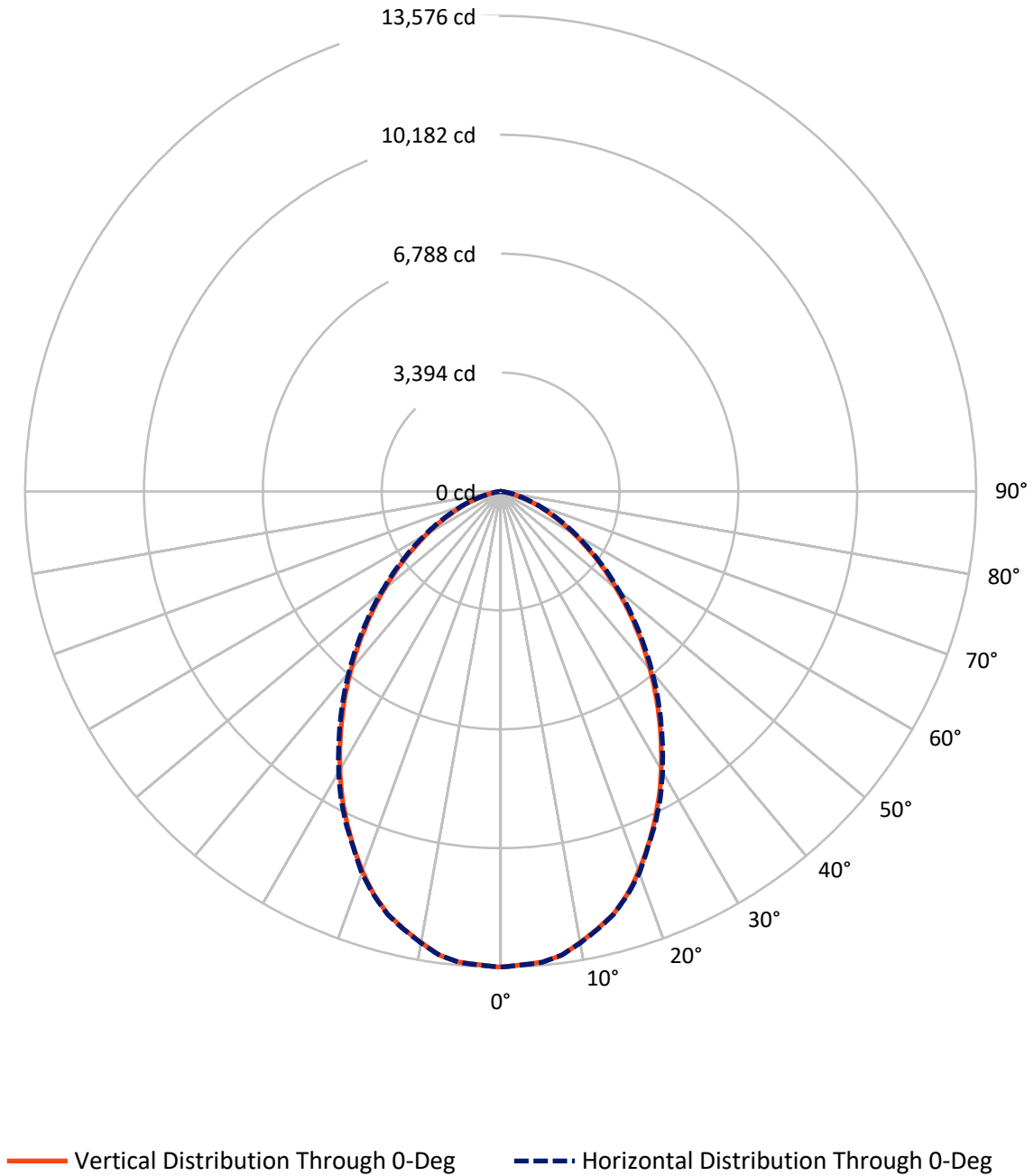
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Lumen Table

90																			
80	0.8	10.1	27.4	46.5	43.8	46.5	27.4	10.1	0.8										
70																			
60	4.5	6.3	12.7	21.6	31.7	40.9	47.8	51.2	51.2	47.8	40.9	31.7	21.6	12.7	6.3	4.5			
50		9.4	20.6	36.8	55.7	75.7	92.2	100.8	100.8	92.2	75.7	55.7	36.8	20.6	9.4				
40	8.0	12.7	29.8	55.1	87.3	121.0	149.2	164.7	164.7	149.2	121.0	87.3	55.1	29.8	12.7	8.0			
30		16.0	39.5	75.8	122.2	171.3	213.2	237.1	237.1	213.2	171.3	122.2	75.8	39.5	16.0				
20	10.3	19.2	48.6	95.3	155.5	220.8	277.7	310.4	310.4	277.7	220.8	155.5	95.3	48.6	19.2	10.3			
10		21.6	55.7	110.0	181.6	261.0	331.0	370.8	370.8	331.0	261.0	181.6	110.0	55.7	21.6				
0	11.2	23.0	59.5	118.2	196.1	283.2	359.7	401.6	401.6	359.7	283.2	196.1	118.2	59.5	23.0	11.2			
-10		23.0	59.5	118.2	196.1	283.2	359.7	401.6	401.6	359.7	283.2	196.1	118.2	59.5	23.0				
-20	10.3	21.6	55.7	110.0	181.6	261.0	331.0	370.8	370.8	331.0	261.0	181.6	110.0	55.7	21.6	10.3			
-30		19.2	48.6	95.3	155.5	220.8	277.7	310.4	310.4	277.7	220.8	155.5	95.3	48.6	19.2				
-40	8.0	16.0	39.5	75.8	122.2	171.3	213.2	237.1	237.1	213.2	171.3	122.2	75.8	39.5	16.0	8.0			
-50		12.7	29.8	55.1	87.3	121.0	149.2	164.7	164.7	149.2	121.0	87.3	55.1	29.8	12.7				
-60	4.5	9.4	20.6	36.8	55.7	75.7	92.2	100.8	100.8	92.2	75.7	55.7	36.8	20.6	9.4	4.5			
-70		6.3	12.7	21.6	31.7	40.9	47.8	51.2	51.2	47.8	40.9	31.7	21.6	12.7	6.3				
-80	0.8	10.1	27.4	46.5	43.8	46.5	27.4	10.1	0.8										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

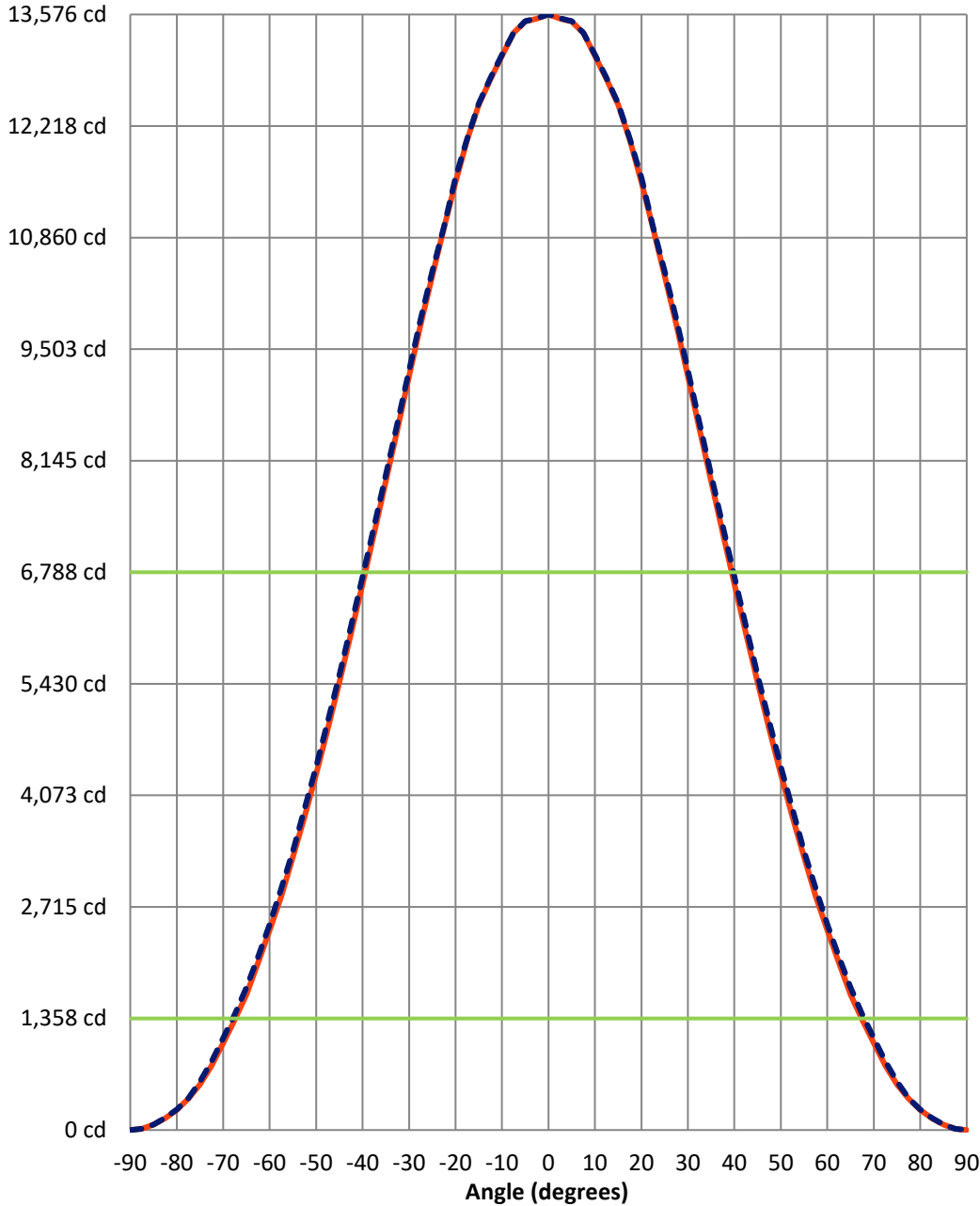
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 79.6°
V Angle: 78.9°
Lumens: 14390.8
Efficiency: 58.7%

Field:
H Angle: 135.9°
V Angle: 134.8°
Lumens: 23391.4
Efficiency: 95.3%

Spill:
Lumens: 1145.1
Efficiency: 4.7%

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

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Scaled Data Report



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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	0.8	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
85°	0.0	1.6	3.5	5.3	7.1	8.8	10.5	12.3	13.9	15.6	17.2
82.5°	0.0	2.3	5.3	8.0	10.6	13.2	15.8	18.4	23.0	36.1	48.7
80°	0.0	3.1	7.0	10.6	14.1	17.6	23.8	42.2	60.0	77.1	93.5
77.5°	0.0	3.8	8.8	13.2	17.6	27.5	51.7	75.0	96.9	117.9	144.0
75°	0.0	4.6	10.5	15.8	22.9	47.6	79.0	107.5	134.9	172.6	212.5
72.5°	0.0	5.3	12.1	18.4	36.4	67.1	105.4	142.5	185.5	231.3	279.9
70°	0.0	6.1	13.7	22.0	49.6	85.9	131.8	184.4	235.0	289.0	352.1
67.5°	0.0	6.8	15.3	30.1	62.2	103.9	163.5	225.3	283.5	351.7	424.0
65°	0.0	7.4	16.8	37.9	74.2	124.0	193.8	265.2	335.8	412.5	491.3
62.5°	0.0	8.1	18.3	45.3	85.6	146.2	222.6	306.8	386.4	470.6	551.5
60°	0.0	8.8	19.7	52.4	96.3	167.1	249.7	348.1	435.1	525.0	610.9
57.5°	0.0	9.4	23.7	59.0	110.6	186.7	278.3	386.6	483.0	578.4	667.1
55°	0.0	10.0	27.5	65.1	124.3	205.0	305.4	419.8	530.2	630.0	721.1
52.5°	0.0	10.5	31.2	70.8	136.9	222.3	330.4	454.4	576.4	677.5	773.7
50°	0.0	11.1	34.8	76.0	148.6	240.7	353.4	487.3	620.2	723.6	834.1
47.5°	0.0	11.6	38.2	81.5	159.3	257.5	374.9	517.8	659.8	768.2	893.1
45°	0.0	12.1	41.4	88.5	168.8	272.7	398.8	545.9	690.7	818.7	949.7
42.5°	0.0	12.5	44.4	94.9	177.3	286.2	420.7	571.8	720.2	867.0	1016.2
40°	0.0	13.0	47.3	101.5	185.8	297.9	440.6	596.3	750.9	912.3	1081.1
37.5°	0.0	13.4	50.0	107.9	194.3	308.0	458.4	619.6	785.3	955.3	1141.9
35°	0.0	13.7	52.5	114.0	201.5	319.6	474.1	641.5	818.9	1004.7	1203.2
32.5°	0.0	14.1	54.8	119.5	207.6	331.3	488.7	661.9	851.5	1052.3	1268.2
30°	0.0	14.4	56.9	124.6	212.5	341.2	503.8	682.4	882.9	1097.7	1328.8
27.5°	0.0	14.6	58.8	129.2	219.7	349.4	517.4	706.3	915.3	1140.8	1385.1
25°	0.0	14.8	60.5	133.4	226.6	355.9	529.3	728.4	949.1	1184.7	1437.2
22.5°	0.0	15.0	62.0	137.0	232.6	362.5	539.6	748.6	980.1	1226.3	1492.6
20°	0.0	15.2	63.2	140.1	237.7	371.5	548.0	766.8	1008.3	1263.4	1542.3
17.5°	0.0	15.3	64.3	142.8	242.1	378.9	558.6	782.9	1033.4	1296.0	1586.2
15°	0.0	15.4	65.2	145.0	245.6	384.6	569.6	798.2	1055.3	1323.9	1624.0
12.5°	0.0	15.5	65.8	146.6	248.3	388.7	578.5	812.5	1075.0	1347.1	1655.6
10°	0.0	15.5	66.3	147.8	250.1	391.3	585.3	823.6	1092.1	1368.8	1682.3
7.5°	0.0	15.5	66.6	148.5	251.1	392.3	589.9	831.4	1105.2	1386.4	1705.3
5°	0.0	15.5	66.6	148.7	251.3	391.9	592.3	835.8	1114.2	1399.1	1721.9
2.5°	0.0	15.4	66.4	148.4	250.7	390.0	592.4	836.8	1119.0	1406.8	1731.8
0°	0.0	15.3	66.1	147.6	249.3	386.7	590.2	834.5	1119.4	1409.4	1735.1
-2.5°	0.0	15.4	66.4	148.4	250.7	390.0	592.4	836.8	1119.0	1406.8	1731.8
-5°	0.0	15.5	66.6	148.7	251.3	391.9	592.3	835.8	1114.2	1399.1	1721.9
-7.5°	0.0	15.5	66.6	148.5	251.1	392.3	589.9	831.4	1105.2	1386.4	1705.3
-10°	0.0	15.5	66.3	147.8	250.1	391.3	585.3	823.6	1092.1	1368.8	1682.3
-12.5°	0.0	15.5	65.8	146.6	248.3	388.7	578.5	812.5	1075.0	1347.1	1655.6
-15°	0.0	15.4	65.2	145.0	245.6	384.6	569.6	798.2	1055.3	1323.9	1624.0
-17.5°	0.0	15.3	64.3	142.8	242.1	378.9	558.6	782.9	1033.4	1296.0	1586.2
-20°	0.0	15.2	63.2	140.1	237.7	371.5	548.0	766.8	1008.3	1263.4	1542.3



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CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	15.0	62.0	137.0	232.6	362.5	539.6	748.6	980.1	1226.3	1492.6
-25°	0.0	14.8	60.5	133.4	226.6	355.9	529.3	728.4	949.1	1184.7	1437.2
-27.5°	0.0	14.6	58.8	129.2	219.7	349.4	517.4	706.3	915.3	1140.8	1385.1
-30°	0.0	14.4	56.9	124.6	212.5	341.2	503.8	682.4	882.9	1097.7	1328.8
-32.5°	0.0	14.1	54.8	119.5	207.6	331.3	488.7	661.9	851.5	1052.3	1268.2
-35°	0.0	13.7	52.5	114.0	201.5	319.6	474.1	641.5	818.9	1004.7	1203.2
-37.5°	0.0	13.4	50.0	107.9	194.3	308.0	458.4	619.6	785.3	955.3	1141.9
-40°	0.0	13.0	47.3	101.5	185.8	297.9	440.6	596.3	750.9	912.3	1081.1
-42.5°	0.0	12.5	44.4	94.9	177.3	286.2	420.7	571.8	720.2	867.0	1016.2
-45°	0.0	12.1	41.4	88.5	168.8	272.7	398.8	545.9	690.7	818.7	949.7
-47.5°	0.0	11.6	38.2	81.5	159.3	257.5	374.9	517.8	659.8	768.2	893.1
-50°	0.0	11.1	34.8	76.0	148.6	240.7	353.4	487.3	620.2	723.6	834.1
-52.5°	0.0	10.5	31.2	70.8	136.9	222.3	330.4	454.4	576.4	677.5	773.7
-55°	0.0	10.0	27.5	65.1	124.3	205.0	305.4	419.8	530.2	630.0	721.1
-57.5°	0.0	9.4	23.7	59.0	110.6	186.7	278.3	386.6	483.0	578.4	667.1
-60°	0.0	8.8	19.7	52.4	96.3	167.1	249.7	348.1	435.1	525.0	610.9
-62.5°	0.0	8.1	18.3	45.3	85.6	146.2	222.6	306.8	386.4	470.6	551.5
-65°	0.0	7.4	16.8	37.9	74.2	124.0	193.8	265.2	335.8	412.5	491.3
-67.5°	0.0	6.8	15.3	30.1	62.2	103.9	163.5	225.3	283.5	351.7	424.0
-70°	0.0	6.1	13.7	22.0	49.6	85.9	131.8	184.4	235.0	289.0	352.1
-72.5°	0.0	5.3	12.1	18.4	36.4	67.1	105.4	142.5	185.5	231.3	279.9
-75°	0.0	4.6	10.5	15.8	22.9	47.6	79.0	107.5	134.9	172.6	212.5
-77.5°	0.0	3.8	8.8	13.2	17.6	27.5	51.7	75.0	96.9	117.9	144.0
-80°	0.0	3.1	7.0	10.6	14.1	17.6	23.8	42.2	60.0	77.1	93.5
-82.5°	0.0	2.3	5.3	8.0	10.6	13.2	15.8	18.4	23.0	36.1	48.7
-85°	0.0	1.6	3.5	5.3	7.1	8.8	10.5	12.3	13.9	15.6	17.2
-87.5°	0.0	0.8	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.0	11.4	13.0	14.6	14.7	14.7	14.6	14.4	15.0	15.6	16.2
85°	19.9	22.8	31.7	40.2	44.4	47.0	48.1	47.9	55.7	64.8	74.6
82.5°	61.9	74.7	86.8	98.4	101.4	101.5	100.5	100.8	119.1	140.1	161.6
80°	110.2	126.4	147.9	166.9	175.2	179.5	181.4	181.1	204.2	235.1	267.5
77.5°	174.9	202.1	225.8	246.0	256.9	266.5	274.3	280.3	310.0	349.0	387.7
75°	248.5	278.4	308.1	334.0	352.1	365.6	378.1	398.2	437.2	482.7	522.3
72.5°	326.2	364.4	397.5	425.6	451.0	478.0	508.2	541.3	582.4	627.9	669.3
70°	409.3	451.2	485.9	519.7	554.3	594.8	640.1	684.6	730.5	780.7	828.9
67.5°	490.5	530.9	571.8	614.5	666.3	720.4	773.9	835.4	898.3	954.0	1003.9
65°	561.0	608.5	659.5	717.5	781.5	850.3	921.7	995.5	1075.3	1142.1	1203.1
62.5°	628.4	685.4	747.5	819.8	901.4	982.8	1073.9	1166.3	1256.1	1334.9	1407.7
60°	690.4	759.6	838.1	926.6	1021.9	1130.1	1233.9	1338.9	1437.4	1526.6	1618.7
57.5°	750.9	837.8	932.0	1038.3	1158.8	1280.3	1402.4	1515.3	1626.8	1735.5	1839.6
55°	814.8	919.6	1031.6	1162.1	1297.9	1441.6	1573.0	1699.1	1821.9	1953.9	2079.3
52.5°	885.1	1002.1	1142.4	1288.4	1445.3	1599.5	1744.0	1887.6	2036.0	2185.4	2348.6
50°	952.9	1098.9	1252.7	1422.4	1591.9	1757.2	1922.8	2088.1	2266.0	2449.2	2634.2
47.5°	1032.2	1191.6	1373.1	1555.1	1740.4	1924.3	2108.8	2308.7	2510.8	2723.2	2927.8
45°	1112.5	1291.6	1487.2	1693.1	1893.4	2097.0	2312.8	2533.7	2770.7	3004.2	3250.4
42.5°	1188.6	1391.0	1606.7	1829.0	2051.7	2279.3	2516.6	2774.6	3033.6	3303.0	3573.5
40°	1272.8	1485.6	1723.3	1968.2	2209.9	2462.2	2733.4	3012.9	3305.8	3602.1	3895.9
37.5°	1353.8	1587.7	1837.6	2101.2	2372.4	2649.6	2944.2	3261.4	3579.1	3897.9	4221.9
35°	1429.7	1684.5	1955.2	2235.1	2522.7	2838.0	3167.2	3505.8	3850.1	4194.9	4543.4
32.5°	1507.7	1775.8	2067.6	2367.1	2684.1	3022.3	3382.8	3749.7	4116.4	4484.6	4866.0
30°	1585.9	1871.5	2176.5	2491.9	2838.7	3207.1	3594.6	3983.3	4371.2	4776.3	5182.8
27.5°	1659.8	1962.4	2283.4	2621.0	2986.9	3378.3	3789.8	4206.2	4624.5	5055.1	5488.8
25°	1727.9	2048.4	2382.7	2745.2	3132.9	3543.0	3971.8	4406.3	4864.9	5325.8	5778.6
22.5°	1794.2	2127.4	2474.6	2859.6	3265.3	3696.0	4142.4	4601.3	5080.5	5575.5	6044.1
20°	1858.1	2202.7	2564.0	2963.2	3383.8	3833.7	4297.6	4778.0	5280.8	5789.1	6293.1
17.5°	1914.8	2269.5	2647.3	3060.1	3497.0	3959.6	4437.3	4933.6	5458.8	5985.6	6519.6
15°	1964.1	2327.8	2719.5	3144.7	3597.1	4074.1	4567.0	5077.4	5616.2	6164.7	6719.9
12.5°	2005.8	2377.1	2780.2	3216.6	3681.9	4172.2	4678.5	5206.8	5760.1	6323.9	6895.3
10°	2039.8	2417.2	2829.4	3275.4	3751.3	4253.3	4770.3	5313.5	5883.3	6459.5	7042.8
7.5°	2068.6	2450.7	2868.3	3320.7	3804.7	4316.8	4841.8	5396.7	5981.5	6565.2	7161.3
5°	2089.6	2477.8	2904.2	3358.7	3851.1	4366.5	4896.0	5456.0	6053.3	6640.4	7247.2
2.5°	2102.3	2495.5	2928.5	3383.4	3887.6	4403.7	4944.1	5508.4	6106.0	6700.2	7311.8
0°	2106.5	2503.4	2941.0	3393.9	3907.8	4421.7	4971.2	5536.0	6131.4	6736.9	7352.5
-2.5°	2102.3	2495.5	2928.5	3383.4	3887.6	4403.7	4944.1	5508.4	6106.0	6700.2	7311.8
-5°	2089.6	2477.8	2904.2	3358.7	3851.1	4366.5	4896.0	5456.0	6053.3	6640.4	7247.2
-7.5°	2068.6	2450.7	2868.3	3320.7	3804.7	4316.8	4841.8	5396.7	5981.5	6565.2	7161.3
-10°	2039.8	2417.2	2829.4	3275.4	3751.3	4253.3	4770.3	5313.5	5883.3	6459.5	7042.8
-12.5°	2005.8	2377.1	2780.2	3216.6	3681.9	4172.2	4678.5	5206.8	5760.1	6323.9	6895.3
-15°	1964.1	2327.8	2719.5	3144.7	3597.1	4074.1	4567.0	5077.4	5616.2	6164.7	6719.9
-17.5°	1914.8	2269.5	2647.3	3060.1	3497.0	3959.6	4437.3	4933.6	5458.8	5985.6	6519.6
-20°	1858.1	2202.7	2564.0	2963.2	3383.8	3833.7	4297.6	4778.0	5280.8	5789.1	6293.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1794.2	2127.4	2474.6	2859.6	3265.3	3696.0	4142.4	4601.3	5080.5	5575.5	6044.1
-25°	1727.9	2048.4	2382.7	2745.2	3132.9	3543.0	3971.8	4406.3	4864.9	5325.8	5778.6
-27.5°	1659.8	1962.4	2283.4	2621.0	2986.9	3378.3	3789.8	4206.2	4624.5	5055.1	5488.8
-30°	1585.9	1871.5	2176.5	2491.9	2838.7	3207.1	3594.6	3983.3	4371.2	4776.3	5182.8
-32.5°	1507.7	1775.8	2067.6	2367.1	2684.1	3022.3	3382.8	3749.7	4116.4	4484.6	4866.0
-35°	1429.7	1684.5	1955.2	2235.1	2522.7	2838.0	3167.2	3505.8	3850.1	4194.9	4543.4
-37.5°	1353.8	1587.7	1837.6	2101.2	2372.4	2649.6	2944.2	3261.4	3579.1	3897.9	4221.9
-40°	1272.8	1485.6	1723.3	1968.2	2209.9	2462.2	2733.4	3012.9	3305.8	3602.1	3895.9
-42.5°	1188.6	1391.0	1606.7	1829.0	2051.7	2279.3	2516.6	2774.6	3033.6	3303.0	3573.5
-45°	1112.5	1291.6	1487.2	1693.1	1893.4	2097.0	2312.8	2533.7	2770.7	3004.2	3250.4
-47.5°	1032.2	1191.6	1373.1	1555.1	1740.4	1924.3	2108.8	2308.7	2510.8	2723.2	2927.8
-50°	952.9	1098.9	1252.7	1422.4	1591.9	1757.2	1922.8	2088.1	2266.0	2449.2	2634.2
-52.5°	885.1	1002.1	1142.4	1288.4	1445.3	1599.5	1744.0	1887.6	2036.0	2185.4	2348.6
-55°	814.8	919.6	1031.6	1162.1	1297.9	1441.6	1573.0	1699.1	1821.9	1953.9	2079.3
-57.5°	750.9	837.8	932.0	1038.3	1158.8	1280.3	1402.4	1515.3	1626.8	1735.5	1839.6
-60°	690.4	759.6	838.1	926.6	1021.9	1130.1	1233.9	1338.9	1437.4	1526.6	1618.7
-62.5°	628.4	685.4	747.5	819.8	901.4	982.8	1073.9	1166.3	1256.1	1334.9	1407.7
-65°	561.0	608.5	659.5	717.5	781.5	850.3	921.7	995.5	1075.3	1142.1	1203.1
-67.5°	490.5	530.9	571.8	614.5	666.3	720.4	773.9	835.4	898.3	954.0	1003.9
-70°	409.3	451.2	485.9	519.7	554.3	594.8	640.1	684.6	730.5	780.7	828.9
-72.5°	326.2	364.4	397.5	425.6	451.0	478.0	508.2	541.3	582.4	627.9	669.3
-75°	248.5	278.4	308.1	334.0	352.1	365.6	378.1	398.2	437.2	482.7	522.3
-77.5°	174.9	202.1	225.8	246.0	256.9	266.5	274.3	280.3	310.0	349.0	387.7
-80°	110.2	126.4	147.9	166.9	175.2	179.5	181.4	181.1	204.2	235.1	267.5
-82.5°	61.9	74.7	86.8	98.4	101.4	101.5	100.5	100.8	119.1	140.1	161.6
-85°	19.9	22.8	31.7	40.2	44.4	47.0	48.1	47.9	55.7	64.8	74.6
-87.5°	10.0	11.4	13.0	14.6	14.7	14.7	14.6	14.4	15.0	15.6	16.2
-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: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-VWR-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°	16.7	17.2	17.7	18.1	18.5	18.8	19.2	19.5	19.7	18.7	17.6
85°	85.0	91.0	96.6	102.0	107.1	112.0	116.5	120.7	124.6	113.8	101.9
82.5°	183.5	198.3	212.3	226.2	240.0	243.5	244.6	244.1	242.2	223.2	202.2
80°	299.6	324.5	348.1	371.4	394.4	397.0	394.4	389.6	382.9	358.0	329.8
77.5°	426.3	457.7	485.2	510.4	533.3	537.6	537.0	535.8	534.0	508.6	477.8
75°	556.2	586.9	616.5	641.7	662.7	672.4	677.1	680.5	682.3	664.1	640.2
72.5°	706.7	738.7	764.8	789.3	810.0	825.0	835.8	843.9	849.4	843.8	834.1
70°	870.1	904.4	933.3	960.9	989.0	1011.5	1028.5	1040.8	1048.6	1053.7	1057.3
67.5°	1054.2	1100.2	1140.3	1174.6	1208.5	1240.4	1266.5	1287.9	1304.4	1318.4	1329.2
65°	1261.4	1320.2	1372.4	1420.3	1464.2	1510.4	1548.2	1580.0	1605.5	1626.7	1643.7
62.5°	1479.3	1551.4	1618.4	1683.4	1747.0	1809.7	1857.8	1901.6	1940.6	1974.1	2000.8
60°	1705.8	1787.7	1877.6	1963.3	2042.3	2114.4	2186.0	2248.0	2301.1	2345.2	2380.7
57.5°	1949.2	2055.3	2160.3	2266.8	2367.5	2461.7	2549.8	2627.6	2693.4	2747.3	2792.6
55°	2212.2	2344.9	2466.6	2601.0	2730.8	2849.1	2953.1	3044.6	3123.7	3190.0	3246.2
52.5°	2501.3	2662.5	2820.7	2973.6	3121.0	3258.1	3382.7	3489.3	3584.0	3665.3	3730.1
50°	2817.6	3002.1	3185.5	3355.6	3524.9	3682.9	3825.8	3949.4	4059.7	4155.1	4230.2
47.5°	3148.5	3358.4	3563.3	3757.9	3945.4	4121.0	4275.7	4416.6	4554.0	4666.1	4754.8
45°	3492.0	3727.6	3953.5	4176.1	4382.5	4579.4	4770.2	4945.6	5086.7	5210.2	5313.9
42.5°	3839.8	4102.5	4355.5	4598.4	4825.3	5053.0	5267.6	5459.4	5620.3	5760.7	5878.6
40°	4192.0	4479.7	4758.4	5023.2	5282.7	5530.9	5763.0	5965.3	6146.7	6313.5	6452.4
37.5°	4542.5	4858.9	5167.8	5464.4	5750.1	6019.0	6269.8	6498.4	6703.2	6893.1	7047.4
35°	4894.5	5241.7	5579.8	5906.2	6218.3	6515.0	6789.6	7049.7	7291.0	7483.4	7641.3
32.5°	5245.2	5618.4	5986.4	6345.8	6687.3	7007.2	7304.8	7592.2	7840.4	8051.9	8233.3
30°	5584.5	5988.9	6389.6	6779.2	7148.2	7494.8	7824.2	8128.1	8395.1	8626.4	8829.9
27.5°	5917.5	6351.9	6781.9	7198.1	7597.0	7973.7	8333.2	8662.8	8954.1	9205.5	9420.1
25°	6232.2	6699.2	7157.4	7598.7	8024.8	8440.4	8828.6	9188.2	9499.3	9775.3	9995.8
22.5°	6532.9	7030.8	7512.3	7976.6	8432.4	8880.3	9305.3	9680.8	10010.6	10299.1	10543.1
20°	6813.0	7346.6	7839.2	8330.2	8810.4	9288.6	9744.9	10141.1	10490.0	10797.2	11066.2
17.5°	7074.9	7622.2	8140.9	8663.7	9169.7	9671.4	10135.0	10559.7	10936.1	11262.2	11544.0
15°	7296.5	7849.2	8415.8	8973.9	9507.5	10015.5	10478.7	10922.2	11340.2	11693.0	11978.7
12.5°	7476.0	8050.8	8641.9	9234.4	9798.6	10306.0	10790.9	11240.9	11679.9	12076.1	12338.8
10°	7629.0	8220.9	8831.1	9435.3	10007.1	10544.0	11071.2	11546.9	11978.3	12333.1	12626.4
7.5°	7761.3	8371.0	8990.7	9595.8	10165.8	10720.5	11263.2	11768.4	12203.9	12538.2	12799.9
5°	7858.8	8483.0	9114.6	9725.4	10303.4	10859.8	11405.0	11903.9	12329.0	12669.2	12954.5
2.5°	7928.6	8558.6	9194.8	9806.4	10397.3	10955.1	11513.9	12018.4	12430.1	12741.7	13014.9
0°	7973.3	8604.3	9245.4	9871.2	10451.3	10990.7	11591.1	12064.3	12491.7	12802.1	13087.0
-2.5°	7928.6	8558.6	9194.8	9806.4	10397.3	10955.1	11513.9	12018.4	12430.1	12741.7	13014.9
-5°	7858.8	8483.0	9114.6	9725.4	10303.4	10859.8	11405.0	11903.9	12329.0	12669.2	12954.5
-7.5°	7761.3	8371.0	8990.7	9595.8	10165.8	10720.5	11263.2	11768.4	12203.9	12538.2	12799.9
-10°	7629.0	8220.9	8831.1	9435.3	10007.1	10544.0	11071.2	11546.9	11978.3	12333.1	12626.4
-12.5°	7476.0	8050.8	8641.9	9234.4	9798.6	10306.0	10790.9	11240.9	11679.9	12076.1	12338.8
-15°	7296.5	7849.2	8415.8	8973.9	9507.5	10015.5	10478.7	10922.2	11340.2	11693.0	11978.7
-17.5°	7074.9	7622.2	8140.9	8663.7	9169.7	9671.4	10135.0	10559.7	10936.1	11262.2	11544.0
-20°	6813.0	7346.6	7839.2	8330.2	8810.4	9288.6	9744.9	10141.1	10490.0	10797.2	11066.2



REPORT NUMBER: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6532.9	7030.8	7512.3	7976.6	8432.4	8880.3	9305.3	9680.8	10010.6	10299.1	10543.1
-25°	6232.2	6699.2	7157.4	7598.7	8024.8	8440.4	8828.6	9188.2	9499.3	9775.3	9995.8
-27.5°	5917.5	6351.9	6781.9	7198.1	7597.0	7973.7	8333.2	8662.8	8954.1	9205.5	9420.1
-30°	5584.5	5988.9	6389.6	6779.2	7148.2	7494.8	7824.2	8128.1	8395.1	8626.4	8829.9
-32.5°	5245.2	5618.4	5986.4	6345.8	6687.3	7007.2	7304.8	7592.2	7840.4	8051.9	8233.3
-35°	4894.5	5241.7	5579.8	5906.2	6218.3	6515.0	6789.6	7049.7	7291.0	7483.4	7641.3
-37.5°	4542.5	4858.9	5167.8	5464.4	5750.1	6019.0	6269.8	6498.4	6703.2	6893.1	7047.4
-40°	4192.0	4479.7	4758.4	5023.2	5282.7	5530.9	5763.0	5965.3	6146.7	6313.5	6452.4
-42.5°	3839.8	4102.5	4355.5	4598.4	4825.3	5053.0	5267.6	5459.4	5620.3	5760.7	5878.6
-45°	3492.0	3727.6	3953.5	4176.1	4382.5	4579.4	4770.2	4945.6	5086.7	5210.2	5313.9
-47.5°	3148.5	3358.4	3563.3	3757.9	3945.4	4121.0	4275.7	4416.6	4554.0	4666.1	4754.8
-50°	2817.6	3002.1	3185.5	3355.6	3524.9	3682.9	3825.8	3949.4	4059.7	4155.1	4230.2
-52.5°	2501.3	2662.5	2820.7	2973.6	3121.0	3258.1	3382.7	3489.3	3584.0	3665.3	3730.1
-55°	2212.2	2344.9	2466.6	2601.0	2730.8	2849.1	2953.1	3044.6	3123.7	3190.0	3246.2
-57.5°	1949.2	2055.3	2160.3	2266.8	2367.5	2461.7	2549.8	2627.6	2693.4	2747.3	2792.6
-60°	1705.8	1787.7	1877.6	1963.3	2042.3	2114.4	2186.0	2248.0	2301.1	2345.2	2380.7
-62.5°	1479.3	1551.4	1618.4	1683.4	1747.0	1809.7	1857.8	1901.6	1940.6	1974.1	2000.8
-65°	1261.4	1320.2	1372.4	1420.3	1464.2	1510.4	1548.2	1580.0	1605.5	1626.7	1643.7
-67.5°	1054.2	1100.2	1140.3	1174.6	1208.5	1240.4	1266.5	1287.9	1304.4	1318.4	1329.2
-70°	870.1	904.4	933.3	960.9	989.0	1011.5	1028.5	1040.8	1048.6	1053.7	1057.3
-72.5°	706.7	738.7	764.8	789.3	810.0	825.0	835.8	843.9	849.4	843.8	834.1
-75°	556.2	586.9	616.5	641.7	662.7	672.4	677.1	680.5	682.3	664.1	640.2
-77.5°	426.3	457.7	485.2	510.4	533.3	537.6	537.0	535.8	534.0	508.6	477.8
-80°	299.6	324.5	348.1	371.4	394.4	397.0	394.4	389.6	382.9	358.0	329.8
-82.5°	183.5	198.3	212.3	226.2	240.0	243.5	244.6	244.1	242.2	223.2	202.2
-85°	85.0	91.0	96.6	102.0	107.1	112.0	116.5	120.7	124.6	113.8	101.9
-87.5°	16.7	17.2	17.7	18.1	18.5	18.8	19.2	19.5	19.7	18.7	17.6
-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: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-735-U-VWR-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°	16.4	15.2	15.3	15.3	15.3	15.2	16.4	17.6	18.7	19.7	19.5
85°	89.2	75.9	71.1	66.1	71.1	75.9	89.2	101.9	113.8	124.6	120.7
82.5°	180.1	157.2	149.9	142.5	149.9	157.2	180.1	202.2	223.2	242.2	244.1
80°	300.1	269.0	256.7	244.2	256.7	269.0	300.1	329.8	358.0	382.9	389.6
77.5°	445.3	411.1	396.5	381.6	396.5	411.1	445.3	477.8	508.6	534.0	535.8
75°	615.0	588.2	572.0	554.6	572.0	588.2	615.0	640.2	664.1	682.3	680.5
72.5°	822.9	809.8	798.0	783.6	798.0	809.8	822.9	834.1	843.8	849.4	843.9
70°	1058.5	1056.8	1059.0	1058.4	1059.0	1056.8	1058.5	1057.3	1053.7	1048.6	1040.8
67.5°	1334.7	1335.1	1340.8	1343.3	1340.8	1335.1	1334.7	1329.2	1318.4	1304.4	1287.9
65°	1654.2	1658.1	1656.6	1648.6	1656.6	1658.1	1654.2	1643.7	1626.7	1605.5	1580.0
62.5°	2019.7	2030.7	2036.7	2035.3	2036.7	2030.7	2019.7	2000.8	1974.1	1940.6	1901.6
60°	2407.2	2424.4	2433.1	2432.2	2433.1	2424.4	2407.2	2380.7	2345.2	2301.1	2248.0
57.5°	2826.3	2848.4	2853.6	2844.3	2853.6	2848.4	2826.3	2792.6	2747.3	2693.4	2627.6
55°	3288.7	3316.9	3327.8	3322.6	3327.8	3316.9	3288.7	3246.2	3190.0	3123.7	3044.6
52.5°	3777.6	3808.1	3818.9	3811.1	3818.9	3808.1	3777.6	3730.1	3665.3	3584.0	3489.3
50°	4285.4	4322.3	4337.2	4330.1	4337.2	4322.3	4285.4	4230.2	4155.1	4059.7	3949.4
47.5°	4824.3	4873.5	4892.7	4879.6	4892.7	4873.5	4824.3	4754.8	4666.1	4554.0	4416.6
45°	5391.4	5442.5	5462.2	5449.5	5462.2	5442.5	5391.4	5313.9	5210.2	5086.7	4945.6
42.5°	5968.7	6035.1	6063.1	6039.8	6063.1	6035.1	5968.7	5878.6	5760.7	5620.3	5459.4
40°	6556.2	6628.2	6661.4	6645.3	6661.4	6628.2	6556.2	6452.4	6313.5	6146.7	5965.3
37.5°	7158.7	7230.4	7265.6	7266.0	7265.6	7230.4	7158.7	7047.4	6893.1	6703.2	6498.4
35°	7763.6	7850.3	7899.3	7897.0	7899.3	7850.3	7763.6	7641.3	7483.4	7291.0	7049.7
32.5°	8376.8	8470.7	8520.9	8527.9	8520.9	8470.7	8376.8	8233.3	8051.9	7840.4	7592.2
30°	8989.0	9092.3	9150.3	9174.1	9150.3	9092.3	8989.0	8829.9	8626.4	8395.1	8128.1
27.5°	9582.7	9709.8	9797.4	9805.1	9797.4	9709.8	9582.7	9420.1	9205.5	8954.1	8662.8
25°	10157.7	10287.1	10377.0	10395.3	10377.0	10287.1	10157.7	9995.8	9775.3	9499.3	9188.2
22.5°	10724.5	10859.7	10942.7	10975.4	10942.7	10859.7	10724.5	10543.1	10299.1	10010.6	9680.8
20°	11265.5	11412.1	11500.1	11535.1	11500.1	11412.1	11265.5	11066.2	10797.2	10490.0	10141.1
17.5°	11754.9	11909.8	12018.5	12049.0	12018.5	11909.8	11754.9	11544.0	11262.2	10936.1	10559.7
15°	12185.7	12332.5	12435.7	12476.4	12435.7	12332.5	12185.7	11978.7	11693.0	11340.2	10922.2
12.5°	12536.2	12667.6	12748.4	12786.8	12748.4	12667.6	12536.2	12338.8	12076.1	11679.9	11240.9
10°	12810.2	12941.9	13019.1	13071.8	13019.1	12941.9	12810.2	12626.4	12333.1	11978.3	11546.9
7.5°	13047.8	13182.9	13277.3	13351.6	13277.3	13182.9	13047.8	12799.9	12538.2	12203.9	11768.4
5°	13179.1	13404.5	13438.5	13489.0	13438.5	13404.5	13179.1	12954.5	12669.2	12329.0	11903.9
2.5°	13279.2	13439.0	13535.2	13524.6	13535.2	13439.0	13279.2	13014.9	12741.7	12430.1	12018.4
0°	13351.6	13494.1	13529.7	13575.5	13529.7	13494.1	13351.6	13087.0	12802.1	12491.7	12064.3
-2.5°	13279.2	13439.0	13535.2	13524.6	13535.2	13439.0	13279.2	13014.9	12741.7	12430.1	12018.4
-5°	13179.1	13404.5	13438.5	13489.0	13438.5	13404.5	13179.1	12954.5	12669.2	12329.0	11903.9
-7.5°	13047.8	13182.9	13277.3	13351.6	13277.3	13182.9	13047.8	12799.9	12538.2	12203.9	11768.4
-10°	12810.2	12941.9	13019.1	13071.8	13019.1	12941.9	12810.2	12626.4	12333.1	11978.3	11546.9
-12.5°	12536.2	12667.6	12748.4	12786.8	12748.4	12667.6	12536.2	12338.8	12076.1	11679.9	11240.9
-15°	12185.7	12332.5	12435.7	12476.4	12435.7	12332.5	12185.7	11978.7	11693.0	11340.2	10922.2
-17.5°	11754.9	11909.8	12018.5	12049.0	12018.5	11909.8	11754.9	11544.0	11262.2	10936.1	10559.7
-20°	11265.5	11412.1	11500.1	11535.1	11500.1	11412.1	11265.5	11066.2	10797.2	10490.0	10141.1



REPORT NUMBER: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10724.5	10859.7	10942.7	10975.4	10942.7	10859.7	10724.5	10543.1	10299.1	10010.6	9680.8
-25°	10157.7	10287.1	10377.0	10395.3	10377.0	10287.1	10157.7	9995.8	9775.3	9499.3	9188.2
-27.5°	9582.7	9709.8	9797.4	9805.1	9797.4	9709.8	9582.7	9420.1	9205.5	8954.1	8662.8
-30°	8989.0	9092.3	9150.3	9174.1	9150.3	9092.3	8989.0	8829.9	8626.4	8395.1	8128.1
-32.5°	8376.8	8470.7	8520.9	8527.9	8520.9	8470.7	8376.8	8233.3	8051.9	7840.4	7592.2
-35°	7763.6	7850.3	7899.3	7897.0	7899.3	7850.3	7763.6	7641.3	7483.4	7291.0	7049.7
-37.5°	7158.7	7230.4	7265.6	7266.0	7265.6	7230.4	7158.7	7047.4	6893.1	6703.2	6498.4
-40°	6556.2	6628.2	6661.4	6645.3	6661.4	6628.2	6556.2	6452.4	6313.5	6146.7	5965.3
-42.5°	5968.7	6035.1	6063.1	6039.8	6063.1	6035.1	5968.7	5878.6	5760.7	5620.3	5459.4
-45°	5391.4	5442.5	5462.2	5449.5	5462.2	5442.5	5391.4	5313.9	5210.2	5086.7	4945.6
-47.5°	4824.3	4873.5	4892.7	4879.6	4892.7	4873.5	4824.3	4754.8	4666.1	4554.0	4416.6
-50°	4285.4	4322.3	4337.2	4330.1	4337.2	4322.3	4285.4	4230.2	4155.1	4059.7	3949.4
-52.5°	3777.6	3808.1	3818.9	3811.1	3818.9	3808.1	3777.6	3730.1	3665.3	3584.0	3489.3
-55°	3288.7	3316.9	3327.8	3322.6	3327.8	3316.9	3288.7	3246.2	3190.0	3123.7	3044.6
-57.5°	2826.3	2848.4	2853.6	2844.3	2853.6	2848.4	2826.3	2792.6	2747.3	2693.4	2627.6
-60°	2407.2	2424.4	2433.1	2432.2	2433.1	2424.4	2407.2	2380.7	2345.2	2301.1	2248.0
-62.5°	2019.7	2030.7	2036.7	2035.3	2036.7	2030.7	2019.7	2000.8	1974.1	1940.6	1901.6
-65°	1654.2	1658.1	1656.6	1648.6	1656.6	1658.1	1654.2	1643.7	1626.7	1605.5	1580.0
-67.5°	1334.7	1335.1	1340.8	1343.3	1340.8	1335.1	1334.7	1329.2	1318.4	1304.4	1287.9
-70°	1058.5	1056.8	1059.0	1058.4	1059.0	1056.8	1058.5	1057.3	1053.7	1048.6	1040.8
-72.5°	822.9	809.8	798.0	783.6	798.0	809.8	822.9	834.1	843.8	849.4	843.9
-75°	615.0	588.2	572.0	554.6	572.0	588.2	615.0	640.2	664.1	682.3	680.5
-77.5°	445.3	411.1	396.5	381.6	396.5	411.1	445.3	477.8	508.6	534.0	535.8
-80°	300.1	269.0	256.7	244.2	256.7	269.0	300.1	329.8	358.0	382.9	389.6
-82.5°	180.1	157.2	149.9	142.5	149.9	157.2	180.1	202.2	223.2	242.2	244.1
-85°	89.2	75.9	71.1	66.1	71.1	75.9	89.2	101.9	113.8	124.6	120.7
-87.5°	16.4	15.2	15.3	15.3	15.3	15.2	16.4	17.6	18.7	19.7	19.5
-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: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-735-U-VWR-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°	19.2	18.8	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	14.4
85°	116.5	112.0	107.1	102.0	96.6	91.0	85.0	74.6	64.8	55.7	47.9
82.5°	244.6	243.5	240.0	226.2	212.3	198.3	183.5	161.6	140.1	119.1	100.8
80°	394.4	397.0	394.4	371.4	348.1	324.5	299.6	267.5	235.1	204.2	181.1
77.5°	537.0	537.6	533.3	510.4	485.2	457.7	426.3	387.7	349.0	310.0	280.3
75°	677.1	672.4	662.7	641.7	616.5	586.9	556.2	522.3	482.7	437.2	398.2
72.5°	835.8	825.0	810.0	789.3	764.8	738.7	706.7	669.3	627.9	582.4	541.3
70°	1028.5	1011.5	989.0	960.9	933.3	904.4	870.1	828.9	780.7	730.5	684.6
67.5°	1266.5	1240.4	1208.5	1174.6	1140.3	1100.2	1054.2	1003.9	954.0	898.3	835.4
65°	1548.2	1510.4	1464.2	1420.3	1372.4	1320.2	1261.4	1203.1	1142.1	1075.3	995.5
62.5°	1857.8	1809.7	1747.0	1683.4	1618.4	1551.4	1479.3	1407.7	1334.9	1256.1	1166.3
60°	2186.0	2114.4	2042.3	1963.3	1877.6	1787.7	1705.8	1618.7	1526.6	1437.4	1338.9
57.5°	2549.8	2461.7	2367.5	2266.8	2160.3	2055.3	1949.2	1839.6	1735.5	1626.8	1515.3
55°	2953.1	2849.1	2730.8	2601.0	2466.6	2344.9	2212.2	2079.3	1953.9	1821.9	1699.1
52.5°	3382.7	3258.1	3121.0	2973.6	2820.7	2662.5	2501.3	2348.6	2185.4	2036.0	1887.6
50°	3825.8	3682.9	3524.9	3355.6	3185.5	3002.1	2817.6	2634.2	2449.2	2266.0	2088.1
47.5°	4275.7	4121.0	3945.4	3757.9	3563.3	3358.4	3148.5	2927.8	2723.2	2510.8	2308.7
45°	4770.2	4579.4	4382.5	4176.1	3953.5	3727.6	3492.0	3250.4	3004.2	2770.7	2533.7
42.5°	5267.6	5053.0	4825.3	4598.4	4355.5	4102.5	3839.8	3573.5	3303.0	3033.6	2774.6
40°	5763.0	5530.9	5282.7	5023.2	4758.4	4479.7	4192.0	3895.9	3602.1	3305.8	3012.9
37.5°	6269.8	6019.0	5750.1	5464.4	5167.8	4858.9	4542.5	4221.9	3897.9	3579.1	3261.4
35°	6789.6	6515.0	6218.3	5906.2	5579.8	5241.7	4894.5	4543.4	4194.9	3850.1	3505.8
32.5°	7304.8	7007.2	6687.3	6345.8	5986.4	5618.4	5245.2	4866.0	4484.6	4116.4	3749.7
30°	7824.2	7494.8	7148.2	6779.2	6389.6	5988.9	5584.5	5182.8	4776.3	4371.2	3983.3
27.5°	8333.2	7973.7	7597.0	7198.1	6781.9	6351.9	5917.5	5488.8	5055.1	4624.5	4206.2
25°	8828.6	8440.4	8024.8	7598.7	7157.4	6699.2	6232.2	5778.6	5325.8	4864.9	4406.3
22.5°	9305.3	8880.3	8432.4	7976.6	7512.3	7030.8	6532.9	6044.1	5575.5	5080.5	4601.3
20°	9744.9	9288.6	8810.4	8330.2	7839.2	7346.6	6813.0	6293.1	5789.1	5280.8	4778.0
17.5°	10135.0	9671.4	9169.7	8663.7	8140.9	7622.2	7074.9	6519.6	5985.6	5458.8	4933.6
15°	10478.7	10015.5	9507.5	8973.9	8415.8	7849.2	7296.5	6719.9	6164.7	5616.2	5077.4
12.5°	10790.9	10306.0	9798.6	9234.4	8641.9	8050.8	7476.0	6895.3	6323.9	5760.1	5206.8
10°	11071.2	10544.0	10007.1	9435.3	8831.1	8220.9	7629.0	7042.8	6459.5	5883.3	5313.5
7.5°	11263.2	10720.5	10165.8	9595.8	8990.7	8371.0	7761.3	7161.3	6565.2	5981.5	5396.7
5°	11405.0	10859.8	10303.4	9725.4	9114.6	8483.0	7858.8	7247.2	6640.4	6053.3	5456.0
2.5°	11513.9	10955.1	10397.3	9806.4	9194.8	8558.6	7928.6	7311.8	6700.2	6106.0	5508.4
0°	11591.1	10990.7	10451.3	9871.2	9245.4	8604.3	7973.3	7352.5	6736.9	6131.4	5536.0
-2.5°	11513.9	10955.1	10397.3	9806.4	9194.8	8558.6	7928.6	7311.8	6700.2	6106.0	5508.4
-5°	11405.0	10859.8	10303.4	9725.4	9114.6	8483.0	7858.8	7247.2	6640.4	6053.3	5456.0
-7.5°	11263.2	10720.5	10165.8	9595.8	8990.7	8371.0	7761.3	7161.3	6565.2	5981.5	5396.7
-10°	11071.2	10544.0	10007.1	9435.3	8831.1	8220.9	7629.0	7042.8	6459.5	5883.3	5313.5
-12.5°	10790.9	10306.0	9798.6	9234.4	8641.9	8050.8	7476.0	6895.3	6323.9	5760.1	5206.8
-15°	10478.7	10015.5	9507.5	8973.9	8415.8	7849.2	7296.5	6719.9	6164.7	5616.2	5077.4
-17.5°	10135.0	9671.4	9169.7	8663.7	8140.9	7622.2	7074.9	6519.6	5985.6	5458.8	4933.6
-20°	9744.9	9288.6	8810.4	8330.2	7839.2	7346.6	6813.0	6293.1	5789.1	5280.8	4778.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9305.3	8880.3	8432.4	7976.6	7512.3	7030.8	6532.9	6044.1	5575.5	5080.5	4601.3
-25°	8828.6	8440.4	8024.8	7598.7	7157.4	6699.2	6232.2	5778.6	5325.8	4864.9	4406.3
-27.5°	8333.2	7973.7	7597.0	7198.1	6781.9	6351.9	5917.5	5488.8	5055.1	4624.5	4206.2
-30°	7824.2	7494.8	7148.2	6779.2	6389.6	5988.9	5584.5	5182.8	4776.3	4371.2	3983.3
-32.5°	7304.8	7007.2	6687.3	6345.8	5986.4	5618.4	5245.2	4866.0	4484.6	4116.4	3749.7
-35°	6789.6	6515.0	6218.3	5906.2	5579.8	5241.7	4894.5	4543.4	4194.9	3850.1	3505.8
-37.5°	6269.8	6019.0	5750.1	5464.4	5167.8	4858.9	4542.5	4221.9	3897.9	3579.1	3261.4
-40°	5763.0	5530.9	5282.7	5023.2	4758.4	4479.7	4192.0	3895.9	3602.1	3305.8	3012.9
-42.5°	5267.6	5053.0	4825.3	4598.4	4355.5	4102.5	3839.8	3573.5	3303.0	3033.6	2774.6
-45°	4770.2	4579.4	4382.5	4176.1	3953.5	3727.6	3492.0	3250.4	3004.2	2770.7	2533.7
-47.5°	4275.7	4121.0	3945.4	3757.9	3563.3	3358.4	3148.5	2927.8	2723.2	2510.8	2308.7
-50°	3825.8	3682.9	3524.9	3355.6	3185.5	3002.1	2817.6	2634.2	2449.2	2266.0	2088.1
-52.5°	3382.7	3258.1	3121.0	2973.6	2820.7	2662.5	2501.3	2348.6	2185.4	2036.0	1887.6
-55°	2953.1	2849.1	2730.8	2601.0	2466.6	2344.9	2212.2	2079.3	1953.9	1821.9	1699.1
-57.5°	2549.8	2461.7	2367.5	2266.8	2160.3	2055.3	1949.2	1839.6	1735.5	1626.8	1515.3
-60°	2186.0	2114.4	2042.3	1963.3	1877.6	1787.7	1705.8	1618.7	1526.6	1437.4	1338.9
-62.5°	1857.8	1809.7	1747.0	1683.4	1618.4	1551.4	1479.3	1407.7	1334.9	1256.1	1166.3
-65°	1548.2	1510.4	1464.2	1420.3	1372.4	1320.2	1261.4	1203.1	1142.1	1075.3	995.5
-67.5°	1266.5	1240.4	1208.5	1174.6	1140.3	1100.2	1054.2	1003.9	954.0	898.3	835.4
-70°	1028.5	1011.5	989.0	960.9	933.3	904.4	870.1	828.9	780.7	730.5	684.6
-72.5°	835.8	825.0	810.0	789.3	764.8	738.7	706.7	669.3	627.9	582.4	541.3
-75°	677.1	672.4	662.7	641.7	616.5	586.9	556.2	522.3	482.7	437.2	398.2
-77.5°	537.0	537.6	533.3	510.4	485.2	457.7	426.3	387.7	349.0	310.0	280.3
-80°	394.4	397.0	394.4	371.4	348.1	324.5	299.6	267.5	235.1	204.2	181.1
-82.5°	244.6	243.5	240.0	226.2	212.3	198.3	183.5	161.6	140.1	119.1	100.8
-85°	116.5	112.0	107.1	102.0	96.6	91.0	85.0	74.6	64.8	55.7	47.9
-87.5°	19.2	18.8	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	14.4
-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: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-735-U-VWR-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°	14.6	14.7	14.7	14.6	13.0	11.4	10.0	8.6	7.8	7.0	6.1
85°	48.1	47.0	44.4	40.2	31.7	22.8	19.9	17.2	15.6	13.9	12.3
82.5°	100.5	101.5	101.4	98.4	86.8	74.7	61.9	48.7	36.1	23.0	18.4
80°	181.4	179.5	175.2	166.9	147.9	126.4	110.2	93.5	77.1	60.0	42.2
77.5°	274.3	266.5	256.9	246.0	225.8	202.1	174.9	144.0	117.9	96.9	75.0
75°	378.1	365.6	352.1	334.0	308.1	278.4	248.5	212.5	172.6	134.9	107.5
72.5°	508.2	478.0	451.0	425.6	397.5	364.4	326.2	279.9	231.3	185.5	142.5
70°	640.1	594.8	554.3	519.7	485.9	451.2	409.3	352.1	289.0	235.0	184.4
67.5°	773.9	720.4	666.3	614.5	571.8	530.9	490.5	424.0	351.7	283.5	225.3
65°	921.7	850.3	781.5	717.5	659.5	608.5	561.0	491.3	412.5	335.8	265.2
62.5°	1073.9	982.8	901.4	819.8	747.5	685.4	628.4	551.5	470.6	386.4	306.8
60°	1233.9	1130.1	1021.9	926.6	838.1	759.6	690.4	610.9	525.0	435.1	348.1
57.5°	1402.4	1280.3	1158.8	1038.3	932.0	837.8	750.9	667.1	578.4	483.0	386.6
55°	1573.0	1441.6	1297.9	1162.1	1031.6	919.6	814.8	721.1	630.0	530.2	419.8
52.5°	1744.0	1599.5	1445.3	1288.4	1142.4	1002.1	885.1	773.7	677.5	576.4	454.4
50°	1922.8	1757.2	1591.9	1422.4	1252.7	1098.9	952.9	834.1	723.6	620.2	487.3
47.5°	2108.8	1924.3	1740.4	1555.1	1373.1	1191.6	1032.2	893.1	768.2	659.8	517.8
45°	2312.8	2097.0	1893.4	1693.1	1487.2	1291.6	1112.5	949.7	818.7	690.7	545.9
42.5°	2516.6	2279.3	2051.7	1829.0	1606.7	1391.0	1188.6	1016.2	867.0	720.2	571.8
40°	2733.4	2462.2	2209.9	1968.2	1723.3	1485.6	1272.8	1081.1	912.3	750.9	596.3
37.5°	2944.2	2649.6	2372.4	2101.2	1837.6	1587.7	1353.8	1141.9	955.3	785.3	619.6
35°	3167.2	2838.0	2522.7	2235.1	1955.2	1684.5	1429.7	1203.2	1004.7	818.9	641.5
32.5°	3382.8	3022.3	2684.1	2367.1	2067.6	1775.8	1507.7	1268.2	1052.3	851.5	661.9
30°	3594.6	3207.1	2838.7	2491.9	2176.5	1871.5	1585.9	1328.8	1097.7	882.9	682.4
27.5°	3789.8	3378.3	2986.9	2621.0	2283.4	1962.4	1659.8	1385.1	1140.8	915.3	706.3
25°	3971.8	3543.0	3132.9	2745.2	2382.7	2048.4	1727.9	1437.2	1184.7	949.1	728.4
22.5°	4142.4	3696.0	3265.3	2859.6	2474.6	2127.4	1794.2	1492.6	1226.3	980.1	748.6
20°	4297.6	3833.7	3383.8	2963.2	2564.0	2202.7	1858.1	1542.3	1263.4	1008.3	766.8
17.5°	4437.3	3959.6	3497.0	3060.1	2647.3	2269.5	1914.8	1586.2	1296.0	1033.4	782.9
15°	4567.0	4074.1	3597.1	3144.7	2719.5	2327.8	1964.1	1624.0	1323.9	1055.3	798.2
12.5°	4678.5	4172.2	3681.9	3216.6	2780.2	2377.1	2005.8	1655.6	1347.1	1075.0	812.5
10°	4770.3	4253.3	3751.3	3275.4	2829.4	2417.2	2039.8	1682.3	1368.8	1092.1	823.6
7.5°	4841.8	4316.8	3804.7	3320.7	2868.3	2450.7	2068.6	1705.3	1386.4	1105.2	831.4
5°	4896.0	4366.5	3851.1	3358.7	2904.2	2477.8	2089.6	1721.9	1399.1	1114.2	835.8
2.5°	4944.1	4403.7	3887.6	3383.4	2928.5	2495.5	2102.3	1731.8	1406.8	1119.0	836.8
0°	4971.2	4421.7	3907.8	3393.9	2941.0	2503.4	2106.5	1735.1	1409.4	1119.4	834.5
-2.5°	4944.1	4403.7	3887.6	3383.4	2928.5	2495.5	2102.3	1731.8	1406.8	1119.0	836.8
-5°	4896.0	4366.5	3851.1	3358.7	2904.2	2477.8	2089.6	1721.9	1399.1	1114.2	835.8
-7.5°	4841.8	4316.8	3804.7	3320.7	2868.3	2450.7	2068.6	1705.3	1386.4	1105.2	831.4
-10°	4770.3	4253.3	3751.3	3275.4	2829.4	2417.2	2039.8	1682.3	1368.8	1092.1	823.6
-12.5°	4678.5	4172.2	3681.9	3216.6	2780.2	2377.1	2005.8	1655.6	1347.1	1075.0	812.5
-15°	4567.0	4074.1	3597.1	3144.7	2719.5	2327.8	1964.1	1624.0	1323.9	1055.3	798.2
-17.5°	4437.3	3959.6	3497.0	3060.1	2647.3	2269.5	1914.8	1586.2	1296.0	1033.4	782.9
-20°	4297.6	3833.7	3383.8	2963.2	2564.0	2202.7	1858.1	1542.3	1263.4	1008.3	766.8



REPORT NUMBER: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4142.4	3696.0	3265.3	2859.6	2474.6	2127.4	1794.2	1492.6	1226.3	980.1	748.6
-25°	3971.8	3543.0	3132.9	2745.2	2382.7	2048.4	1727.9	1437.2	1184.7	949.1	728.4
-27.5°	3789.8	3378.3	2986.9	2621.0	2283.4	1962.4	1659.8	1385.1	1140.8	915.3	706.3
-30°	3594.6	3207.1	2838.7	2491.9	2176.5	1871.5	1585.9	1328.8	1097.7	882.9	682.4
-32.5°	3382.8	3022.3	2684.1	2367.1	2067.6	1775.8	1507.7	1268.2	1052.3	851.5	661.9
-35°	3167.2	2838.0	2522.7	2235.1	1955.2	1684.5	1429.7	1203.2	1004.7	818.9	641.5
-37.5°	2944.2	2649.6	2372.4	2101.2	1837.6	1587.7	1353.8	1141.9	955.3	785.3	619.6
-40°	2733.4	2462.2	2209.9	1968.2	1723.3	1485.6	1272.8	1081.1	912.3	750.9	596.3
-42.5°	2516.6	2279.3	2051.7	1829.0	1606.7	1391.0	1188.6	1016.2	867.0	720.2	571.8
-45°	2312.8	2097.0	1893.4	1693.1	1487.2	1291.6	1112.5	949.7	818.7	690.7	545.9
-47.5°	2108.8	1924.3	1740.4	1555.1	1373.1	1191.6	1032.2	893.1	768.2	659.8	517.8
-50°	1922.8	1757.2	1591.9	1422.4	1252.7	1098.9	952.9	834.1	723.6	620.2	487.3
-52.5°	1744.0	1599.5	1445.3	1288.4	1142.4	1002.1	885.1	773.7	677.5	576.4	454.4
-55°	1573.0	1441.6	1297.9	1162.1	1031.6	919.6	814.8	721.1	630.0	530.2	419.8
-57.5°	1402.4	1280.3	1158.8	1038.3	932.0	837.8	750.9	667.1	578.4	483.0	386.6
-60°	1233.9	1130.1	1021.9	926.6	838.1	759.6	690.4	610.9	525.0	435.1	348.1
-62.5°	1073.9	982.8	901.4	819.8	747.5	685.4	628.4	551.5	470.6	386.4	306.8
-65°	921.7	850.3	781.5	717.5	659.5	608.5	561.0	491.3	412.5	335.8	265.2
-67.5°	773.9	720.4	666.3	614.5	571.8	530.9	490.5	424.0	351.7	283.5	225.3
-70°	640.1	594.8	554.3	519.7	485.9	451.2	409.3	352.1	289.0	235.0	184.4
-72.5°	508.2	478.0	451.0	425.6	397.5	364.4	326.2	279.9	231.3	185.5	142.5
-75°	378.1	365.6	352.1	334.0	308.1	278.4	248.5	212.5	172.6	134.9	107.5
-77.5°	274.3	266.5	256.9	246.0	225.8	202.1	174.9	144.0	117.9	96.9	75.0
-80°	181.4	179.5	175.2	166.9	147.9	126.4	110.2	93.5	77.1	60.0	42.2
-82.5°	100.5	101.5	101.4	98.4	86.8	74.7	61.9	48.7	36.1	23.0	18.4
-85°	48.1	47.0	44.4	40.2	31.7	22.8	19.9	17.2	15.6	13.9	12.3
-87.5°	14.6	14.7	14.7	14.6	13.0	11.4	10.0	8.6	7.8	7.0	6.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



REPORT NUMBER: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-735-U-VWR-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°	5.3	4.4	3.5	2.7	1.8	0.8	0.0
85°	10.5	8.8	7.1	5.3	3.5	1.6	0.0
82.5°	15.8	13.2	10.6	8.0	5.3	2.3	0.0
80°	23.8	17.6	14.1	10.6	7.0	3.1	0.0
77.5°	51.7	27.5	17.6	13.2	8.8	3.8	0.0
75°	79.0	47.6	22.9	15.8	10.5	4.6	0.0
72.5°	105.4	67.1	36.4	18.4	12.1	5.3	0.0
70°	131.8	85.9	49.6	22.0	13.7	6.1	0.0
67.5°	163.5	103.9	62.2	30.1	15.3	6.8	0.0
65°	193.8	124.0	74.2	37.9	16.8	7.4	0.0
62.5°	222.6	146.2	85.6	45.3	18.3	8.1	0.0
60°	249.7	167.1	96.3	52.4	19.7	8.8	0.0
57.5°	278.3	186.7	110.6	59.0	23.7	9.4	0.0
55°	305.4	205.0	124.3	65.1	27.5	10.0	0.0
52.5°	330.4	222.3	136.9	70.8	31.2	10.5	0.0
50°	353.4	240.7	148.6	76.0	34.8	11.1	0.0
47.5°	374.9	257.5	159.3	81.5	38.2	11.6	0.0
45°	398.8	272.7	168.8	88.5	41.4	12.1	0.0
42.5°	420.7	286.2	177.3	94.9	44.4	12.5	0.0
40°	440.6	297.9	185.8	101.5	47.3	13.0	0.0
37.5°	458.4	308.0	194.3	107.9	50.0	13.4	0.0
35°	474.1	319.6	201.5	114.0	52.5	13.7	0.0
32.5°	488.7	331.3	207.6	119.5	54.8	14.1	0.0
30°	503.8	341.2	212.5	124.6	56.9	14.4	0.0
27.5°	517.4	349.4	219.7	129.2	58.8	14.6	0.0
25°	529.3	355.9	226.6	133.4	60.5	14.8	0.0
22.5°	539.6	362.5	232.6	137.0	62.0	15.0	0.0
20°	548.0	371.5	237.7	140.1	63.2	15.2	0.0
17.5°	558.6	378.9	242.1	142.8	64.3	15.3	0.0
15°	569.6	384.6	245.6	145.0	65.2	15.4	0.0
12.5°	578.5	388.7	248.3	146.6	65.8	15.5	0.0
10°	585.3	391.3	250.1	147.8	66.3	15.5	0.0
7.5°	589.9	392.3	251.1	148.5	66.6	15.5	0.0
5°	592.3	391.9	251.3	148.7	66.6	15.5	0.0
2.5°	592.4	390.0	250.7	148.4	66.4	15.4	0.0
0°	590.2	386.7	249.3	147.6	66.1	15.3	0.0
-2.5°	592.4	390.0	250.7	148.4	66.4	15.4	0.0
-5°	592.3	391.9	251.3	148.7	66.6	15.5	0.0
-7.5°	589.9	392.3	251.1	148.5	66.6	15.5	0.0
-10°	585.3	391.3	250.1	147.8	66.3	15.5	0.0
-12.5°	578.5	388.7	248.3	146.6	65.8	15.5	0.0
-15°	569.6	384.6	245.6	145.0	65.2	15.4	0.0
-17.5°	558.6	378.9	242.1	142.8	64.3	15.3	0.0
-20°	548.0	371.5	237.7	140.1	63.2	15.2	0.0

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Scaled Data Report



REPORT NUMBER: P627581 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	539.6	362.5	232.6	137.0	62.0	15.0	0.0
-25°	529.3	355.9	226.6	133.4	60.5	14.8	0.0
-27.5°	517.4	349.4	219.7	129.2	58.8	14.6	0.0
-30°	503.8	341.2	212.5	124.6	56.9	14.4	0.0
-32.5°	488.7	331.3	207.6	119.5	54.8	14.1	0.0
-35°	474.1	319.6	201.5	114.0	52.5	13.7	0.0
-37.5°	458.4	308.0	194.3	107.9	50.0	13.4	0.0
-40°	440.6	297.9	185.8	101.5	47.3	13.0	0.0
-42.5°	420.7	286.2	177.3	94.9	44.4	12.5	0.0
-45°	398.8	272.7	168.8	88.5	41.4	12.1	0.0
-47.5°	374.9	257.5	159.3	81.5	38.2	11.6	0.0
-50°	353.4	240.7	148.6	76.0	34.8	11.1	0.0
-52.5°	330.4	222.3	136.9	70.8	31.2	10.5	0.0
-55°	305.4	205.0	124.3	65.1	27.5	10.0	0.0
-57.5°	278.3	186.7	110.6	59.0	23.7	9.4	0.0
-60°	249.7	167.1	96.3	52.4	19.7	8.8	0.0
-62.5°	222.6	146.2	85.6	45.3	18.3	8.1	0.0
-65°	193.8	124.0	74.2	37.9	16.8	7.4	0.0
-67.5°	163.5	103.9	62.2	30.1	15.3	6.8	0.0
-70°	131.8	85.9	49.6	22.0	13.7	6.1	0.0
-72.5°	105.4	67.1	36.4	18.4	12.1	5.3	0.0
-75°	79.0	47.6	22.9	15.8	10.5	4.6	0.0
-77.5°	51.7	27.5	17.6	13.2	8.8	3.8	0.0
-80°	23.8	17.6	14.1	10.6	7.0	3.1	0.0
-82.5°	15.8	13.2	10.6	8.0	5.3	2.3	0.0
-85°	10.5	8.8	7.1	5.3	3.5	1.6	0.0
-87.5°	5.3	4.4	3.5	2.7	1.8	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)