

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: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-735-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4C-735-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N97
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

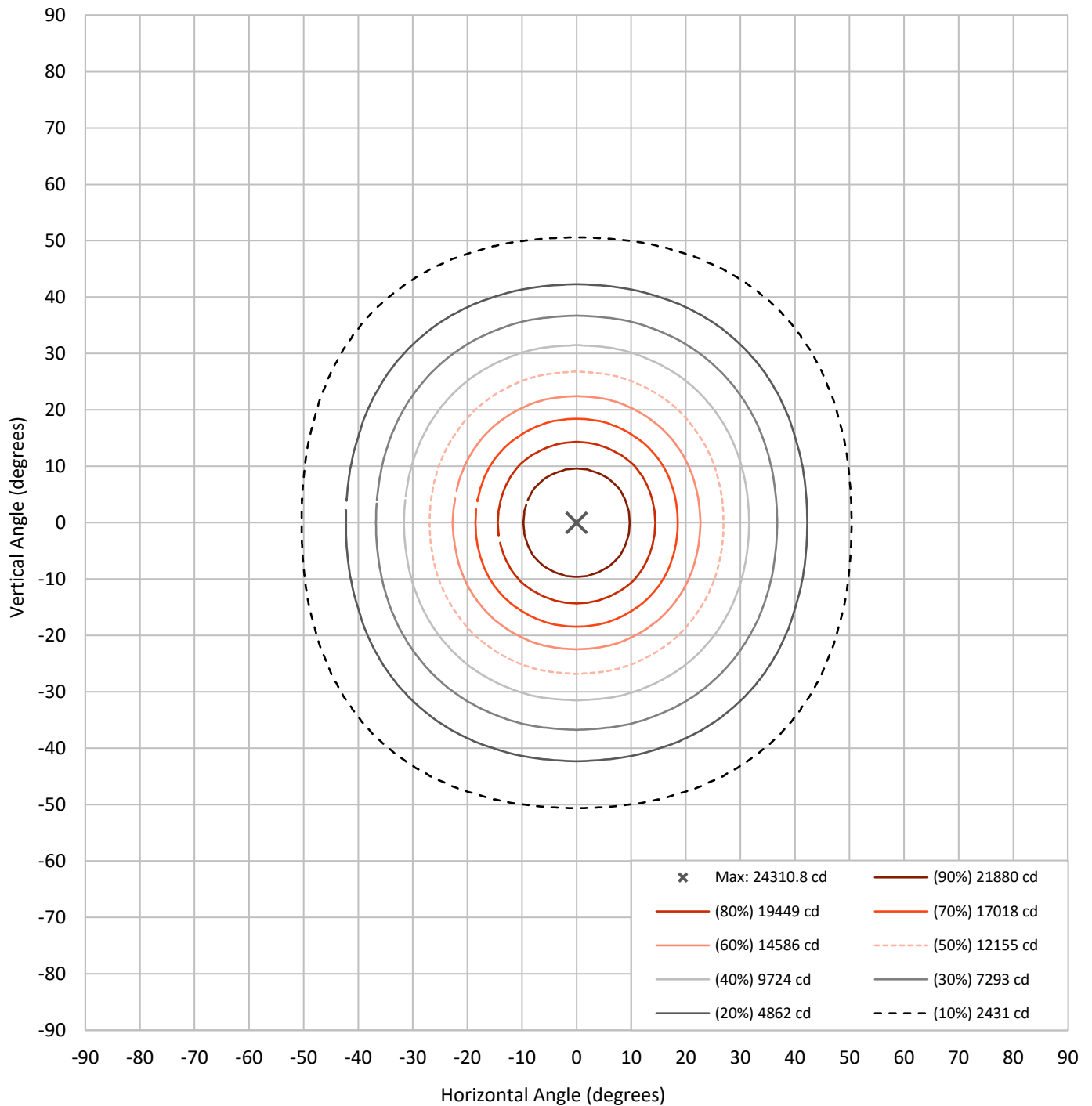
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	24742.7 lumens	Max Intensity:	24310.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.1 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	11830.4 lumens	Field Lumens:	21836.3 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





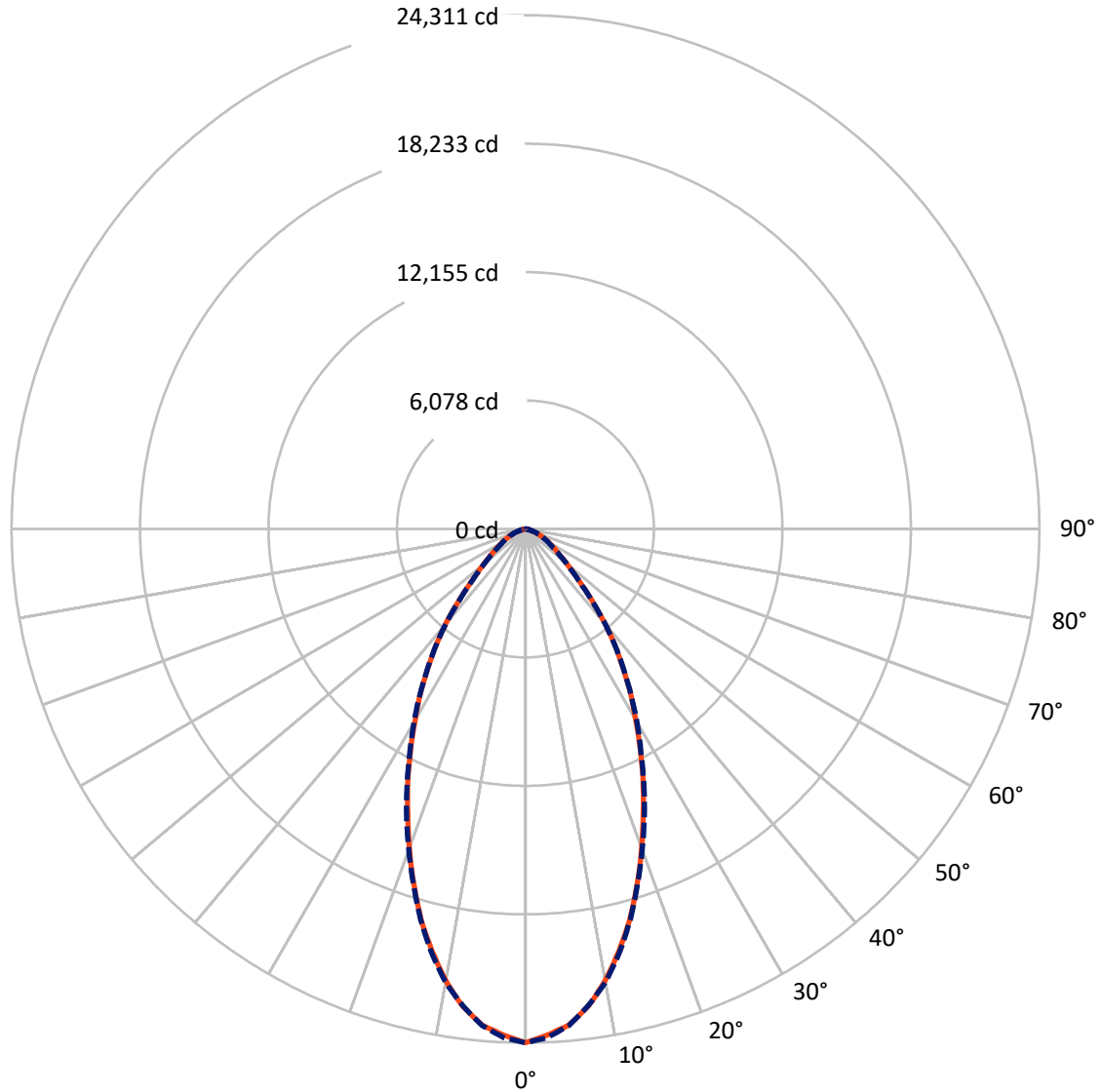
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Lumen Table

90																
80	1.0	6.8		15.6		25.9		22.2		25.9		15.6		6.8		1.0
70																
60	3.2	3.8	7.1	11.4	16.5	21.4	25.1	26.9	26.9	25.1	21.4	16.5	11.4	7.1	3.8	3.2
50		5.3	10.7	18.6	28.5	39.2	48.9	54.5	54.5	48.9	39.2	28.5	18.6	10.7	5.3	
40	4.7	6.8	14.8	27.7	46.7	71.8	99.0	117.1	117.1	99.0	71.8	46.7	27.7	14.8	6.8	4.7
30		8.3	19.4	40.3	78.4	139.2	202.3	240.0	240.0	202.3	139.2	78.4	40.3	19.4	8.3	
20	5.6	9.7	24.2	56.4	126.8	227.9	326.1	389.8	389.8	326.1	227.9	126.8	56.4	24.2	9.7	5.6
10		10.8	28.4	73.1	173.0	307.7	454.3	558.9	558.9	454.3	307.7	173.0	73.1	28.4	10.8	
0	5.9	11.3	30.7	84.0	199.2	357.8	544.4	684.6	684.6	544.4	357.8	199.2	84.0	30.7	11.3	5.9
-10		11.3	30.7	84.0	199.2	357.8	544.4	684.6	684.6	544.4	357.8	199.2	84.0	30.7	11.3	
-20	5.6	10.8	28.4	73.1	173.0	307.7	454.3	558.9	558.9	454.3	307.7	173.0	73.1	28.4	10.8	5.6
-30		9.7	24.2	56.4	126.8	227.9	326.1	389.8	389.8	326.1	227.9	126.8	56.4	24.2	9.7	
-40	4.7	8.3	19.4	40.3	78.4	139.2	202.3	240.0	240.0	202.3	139.2	78.4	40.3	19.4	8.3	4.7
-50		6.8	14.8	27.7	46.7	71.8	99.0	117.1	117.1	99.0	71.8	46.7	27.7	14.8	6.8	
-60	3.2	5.3	10.7	18.6	28.5	39.2	48.9	54.5	54.5	48.9	39.2	28.5	18.6	10.7	5.3	3.2
-70		3.8	7.1	11.4	16.5	21.4	25.1	26.9	26.9	25.1	21.4	16.5	11.4	7.1	3.8	
-80																
-90	1.0	6.8		15.6		25.9		22.2		25.9		15.6		6.8		1.0
Horizontal Angle (degrees)																

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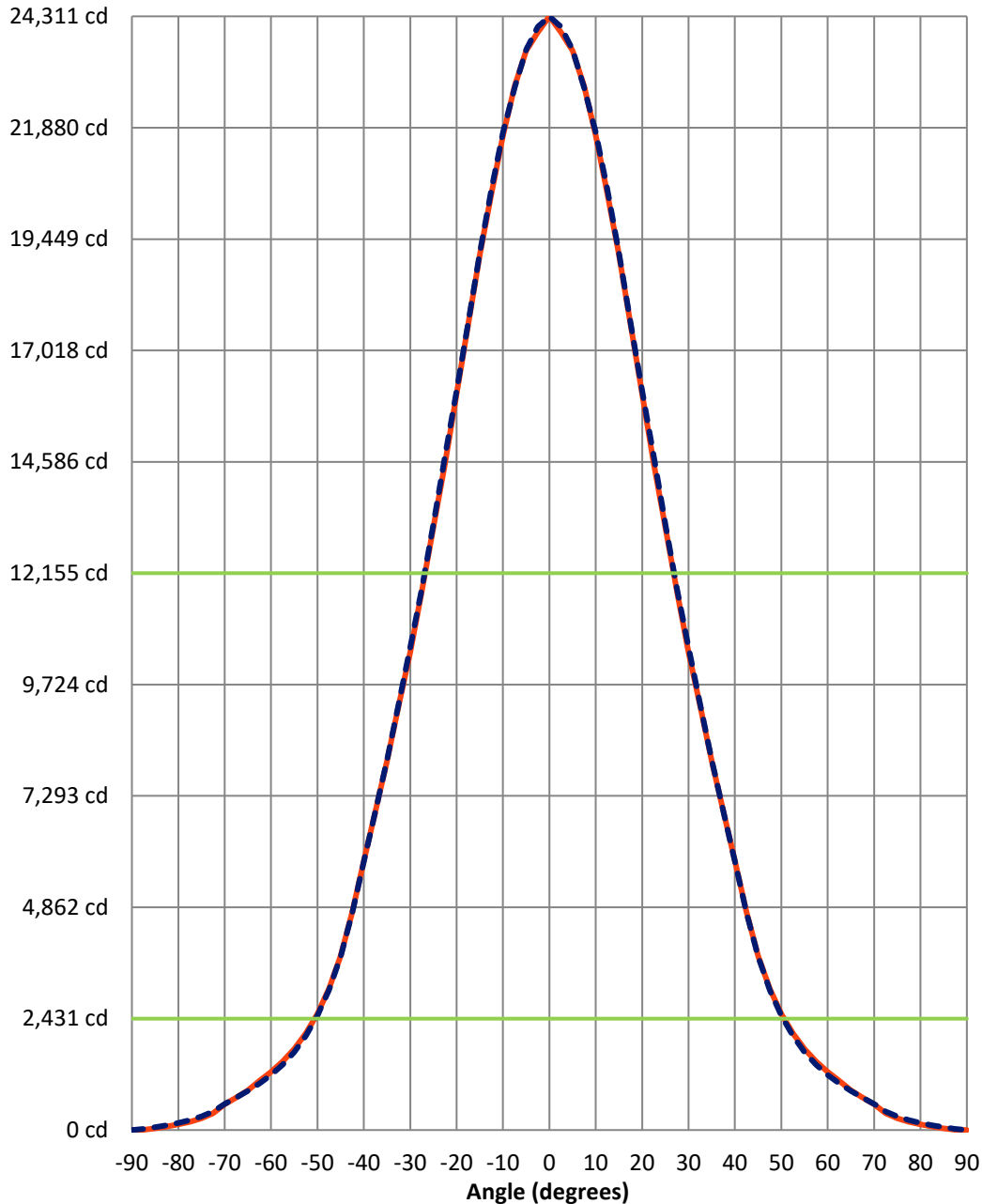
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 11830.4
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 21836.3
 Efficiency: 88.3%

Spill:
 Lumens: 2906.4
 Efficiency: 11.7%

- 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	1.2	2.8	4.6	6.7	9.0	11.6	12.8	13.8	14.6	15.3
85°	0.0	2.5	5.7	9.3	13.4	18.0	23.1	25.6	27.6	29.3	30.5
82.5°	0.0	3.7	8.5	13.9	20.0	26.9	34.5	38.4	42.3	49.0	55.0
80°	0.0	4.9	11.3	18.4	26.6	35.7	46.9	58.2	68.1	76.9	84.7
77.5°	0.0	6.1	14.0	22.9	33.1	46.5	66.9	81.6	93.8	104.8	115.8
75°	0.0	7.3	16.7	27.4	40.0	60.7	86.3	104.9	119.6	134.5	150.6
72.5°	0.0	8.5	19.3	31.7	49.6	74.6	105.1	127.7	145.4	164.5	184.8
70°	0.0	9.6	21.9	36.2	58.8	87.9	123.0	149.3	170.9	194.0	221.2
67.5°	0.0	10.7	24.4	41.8	67.7	100.5	138.5	170.5	195.8	224.5	257.0
65°	0.0	11.8	26.9	47.2	76.1	112.2	153.3	191.1	220.4	253.8	291.0
62.5°	0.0	12.9	29.2	52.3	84.0	122.9	167.2	210.7	243.9	282.0	322.6
60°	0.0	13.9	31.4	57.2	91.4	132.9	180.2	229.3	266.4	309.2	353.3
57.5°	0.0	14.9	34.2	61.7	98.3	142.2	192.0	246.0	289.2	335.5	381.5
55°	0.0	15.8	36.8	65.8	104.6	150.8	202.9	259.3	311.5	360.8	408.5
52.5°	0.0	16.7	39.3	69.6	110.5	158.7	212.9	273.8	332.8	384.8	434.9
50°	0.0	17.6	41.8	73.0	115.8	165.9	221.9	287.5	353.4	408.2	463.9
47.5°	0.0	18.4	44.1	76.2	120.6	172.5	230.3	299.9	373.8	431.0	492.4
45°	0.0	19.2	46.3	79.3	124.8	178.2	239.7	311.1	388.4	455.7	519.9
42.5°	0.0	19.9	48.3	82.0	128.4	183.3	248.1	322.0	401.7	479.5	548.4
40°	0.0	20.6	50.3	85.0	131.7	187.5	255.5	332.6	414.9	501.6	575.9
37.5°	0.0	21.2	52.1	88.1	134.6	191.0	261.8	342.2	429.4	519.0	602.1
35°	0.0	21.7	53.7	90.9	137.0	194.9	267.1	350.7	443.3	538.2	628.8
32.5°	0.0	22.3	55.3	93.4	138.8	198.6	271.9	358.2	456.5	557.7	656.2
30°	0.0	22.7	56.7	95.7	140.1	201.5	277.2	365.5	469.0	577.4	682.0
27.5°	0.0	23.1	57.9	97.8	143.1	203.5	281.6	374.6	482.0	597.1	706.1
25°	0.0	23.5	59.0	99.6	146.0	204.8	285.0	382.7	496.6	616.4	728.7
22.5°	0.0	23.8	60.0	101.1	148.5	206.4	287.4	389.8	510.5	634.2	753.3
20°	0.0	24.0	60.8	102.4	150.7	210.1	288.8	395.8	523.6	650.2	775.4
17.5°	0.0	24.2	61.4	103.3	152.5	213.2	292.0	400.7	535.6	664.2	794.8
15°	0.0	24.3	62.0	104.1	154.0	215.6	295.9	405.3	546.4	676.4	811.5
12.5°	0.0	24.4	62.3	104.5	155.0	217.3	298.7	409.4	555.6	686.5	825.4
10°	0.0	24.5	62.5	104.8	155.7	218.4	300.4	411.7	562.7	694.9	836.6
7.5°	0.0	24.4	62.6	104.7	156.0	218.9	301.1	412.2	567.8	701.5	845.4
5°	0.0	24.4	62.5	104.4	155.9	218.7	300.8	411.0	570.5	705.9	851.2
2.5°	0.0	24.3	62.3	103.9	155.5	217.9	299.5	408.2	570.8	708.1	854.0
0°	0.0	24.1	61.9	103.1	154.6	216.5	297.2	403.8	568.7	707.9	853.9
-2.5°	0.0	24.3	62.3	103.9	155.5	217.9	299.5	408.2	570.8	708.1	854.0
-5°	0.0	24.4	62.5	104.4	155.9	218.7	300.8	411.0	570.5	705.9	851.2
-7.5°	0.0	24.4	62.6	104.7	156.0	218.9	301.1	412.2	567.8	701.5	845.4
-10°	0.0	24.5	62.5	104.8	155.7	218.4	300.4	411.7	562.7	694.9	836.6
-12.5°	0.0	24.4	62.3	104.5	155.0	217.3	298.7	409.4	555.6	686.5	825.4
-15°	0.0	24.3	62.0	104.1	154.0	215.6	295.9	405.3	546.4	676.4	811.5
-17.5°	0.0	24.2	61.4	103.3	152.5	213.2	292.0	400.7	535.6	664.2	794.8
-20°	0.0	24.0	60.8	102.4	150.7	210.1	288.8	395.8	523.6	650.2	775.4

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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	23.8	60.0	101.1	148.5	206.4	287.4	389.8	510.5	634.2	753.3
-25°	0.0	23.5	59.0	99.6	146.0	204.8	285.0	382.7	496.6	616.4	728.7
-27.5°	0.0	23.1	57.9	97.8	143.1	203.5	281.6	374.6	482.0	597.1	706.1
-30°	0.0	22.7	56.7	95.7	140.1	201.5	277.2	365.5	469.0	577.4	682.0
-32.5°	0.0	22.3	55.3	93.4	138.8	198.6	271.9	358.2	456.5	557.7	656.2
-35°	0.0	21.7	53.7	90.9	137.0	194.9	267.1	350.7	443.3	538.2	628.8
-37.5°	0.0	21.2	52.1	88.1	134.6	191.0	261.8	342.2	429.4	519.0	602.1
-40°	0.0	20.6	50.3	85.0	131.7	187.5	255.5	332.6	414.9	501.6	575.9
-42.5°	0.0	19.9	48.3	82.0	128.4	183.3	248.1	322.0	401.7	479.5	548.4
-45°	0.0	19.2	46.3	79.3	124.8	178.2	239.7	311.1	388.4	455.7	519.9
-47.5°	0.0	18.4	44.1	76.2	120.6	172.5	230.3	299.9	373.8	431.0	492.4
-50°	0.0	17.6	41.8	73.0	115.8	165.9	221.9	287.5	353.4	408.2	463.9
-52.5°	0.0	16.7	39.3	69.6	110.5	158.7	212.9	273.8	332.8	384.8	434.9
-55°	0.0	15.8	36.8	65.8	104.6	150.8	202.9	259.3	311.5	360.8	408.5
-57.5°	0.0	14.9	34.2	61.7	98.3	142.2	192.0	246.0	289.2	335.5	381.5
-60°	0.0	13.9	31.4	57.2	91.4	132.9	180.2	229.3	266.4	309.2	353.3
-62.5°	0.0	12.9	29.2	52.3	84.0	122.9	167.2	210.7	243.9	282.0	322.6
-65°	0.0	11.8	26.9	47.2	76.1	112.2	153.3	191.1	220.4	253.8	291.0
-67.5°	0.0	10.7	24.4	41.8	67.7	100.5	138.5	170.5	195.8	224.5	257.0
-70°	0.0	9.6	21.9	36.2	58.8	87.9	123.0	149.3	170.9	194.0	221.2
-72.5°	0.0	8.5	19.3	31.7	49.6	74.6	105.1	127.7	145.4	164.5	184.8
-75°	0.0	7.3	16.7	27.4	40.0	60.7	86.3	104.9	119.6	134.5	150.6
-77.5°	0.0	6.1	14.0	22.9	33.1	46.5	66.9	81.6	93.8	104.8	115.8
-80°	0.0	4.9	11.3	18.4	26.6	35.7	46.9	58.2	68.1	76.9	84.7
-82.5°	0.0	3.7	8.5	13.9	20.0	26.9	34.5	38.4	42.3	49.0	55.0
-85°	0.0	2.5	5.7	9.3	13.4	18.0	23.1	25.6	27.6	29.3	30.5
-87.5°	0.0	1.2	2.8	4.6	6.7	9.0	11.6	12.8	13.8	14.6	15.3
-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°	15.5	15.5	15.3	14.8	14.2	13.3	12.2	11.0	11.4	11.9	12.3
85°	31.0	31.0	33.6	36.0	37.1	37.2	36.5	34.9	39.4	44.6	50.1
82.5°	60.5	65.7	70.7	75.4	75.9	74.6	72.4	69.7	78.9	90.0	101.6
80°	92.7	100.4	109.4	117.7	119.7	118.8	116.3	112.0	124.1	141.3	159.8
77.5°	128.7	140.9	152.4	162.9	166.0	165.5	163.6	160.2	175.6	199.3	224.0
75°	166.6	181.4	196.2	209.1	214.7	215.2	214.5	218.2	238.4	266.2	290.7
72.5°	206.1	225.1	241.7	256.0	264.8	271.6	280.6	291.7	312.1	339.4	363.5
70°	247.9	268.9	286.5	302.3	315.9	330.7	349.8	368.6	390.2	417.5	442.5
67.5°	289.2	310.5	330.2	349.7	374.5	398.3	422.0	446.6	473.9	502.5	527.7
65°	327.4	351.5	375.6	403.9	436.2	463.1	492.3	524.4	560.0	592.2	621.5
62.5°	364.1	391.2	421.1	455.3	490.2	524.0	563.1	604.3	646.0	686.4	726.4
60°	395.0	428.9	465.2	503.7	544.1	590.0	635.9	684.9	734.7	783.3	832.8
57.5°	424.8	466.7	508.5	553.4	603.6	656.1	711.3	766.5	826.0	884.8	941.1
55°	455.7	505.1	552.6	605.8	663.4	725.1	787.3	854.3	920.0	994.1	1062.5
52.5°	488.8	542.4	598.3	659.2	726.5	796.0	869.0	945.8	1027.6	1109.9	1193.4
50°	521.0	581.5	643.7	716.5	791.8	871.2	955.5	1044.9	1140.2	1235.5	1336.5
47.5°	554.7	619.2	695.2	774.3	860.5	951.0	1046.4	1152.7	1258.6	1378.6	1494.5
45°	587.9	662.1	744.6	836.5	931.1	1033.0	1146.5	1263.3	1398.4	1533.9	1686.2
42.5°	619.8	705.4	798.4	896.6	1004.4	1121.5	1247.1	1393.8	1546.2	1714.0	1892.8
40°	656.5	746.7	851.5	961.3	1078.1	1212.0	1363.1	1526.0	1711.9	1910.7	2113.8
37.5°	692.0	793.4	903.9	1023.0	1158.6	1309.3	1476.1	1675.9	1890.4	2116.3	2392.6
35°	725.4	837.8	957.9	1088.4	1235.1	1409.8	1609.4	1830.1	2077.3	2368.7	2691.1
32.5°	760.8	879.8	1008.8	1155.2	1321.3	1512.1	1738.8	1998.7	2291.2	2623.0	3026.4
30°	796.4	923.1	1059.4	1217.8	1402.6	1623.4	1881.1	2168.2	2504.7	2920.9	3394.4
27.5°	829.4	963.5	1112.8	1284.1	1481.7	1726.0	2017.7	2354.3	2750.7	3221.1	3774.2
25°	859.7	1000.3	1162.0	1347.3	1568.8	1836.9	2153.1	2525.9	2996.8	3557.8	4238.2
22.5°	888.6	1033.9	1206.4	1404.1	1647.4	1944.2	2300.0	2726.6	3247.2	3876.8	4692.7
20°	915.7	1070.2	1250.4	1458.4	1717.6	2041.0	2435.1	2913.9	3506.4	4251.7	5138.5
17.5°	939.5	1102.2	1292.2	1517.2	1795.8	2139.4	2562.5	3079.4	3737.2	4586.5	5549.8
15°	960.0	1129.8	1328.2	1568.1	1866.3	2237.3	2696.3	3260.8	3977.8	4891.0	5910.9
12.5°	977.0	1152.9	1358.6	1610.9	1925.5	2320.0	2810.5	3422.4	4212.3	5177.8	6227.9
10°	990.6	1171.4	1383.0	1645.5	1973.2	2387.1	2904.6	3554.7	4407.4	5423.7	6496.1
7.5°	1001.9	1185.8	1401.7	1671.7	2009.3	2438.4	2977.8	3656.7	4559.8	5618.4	6701.9
5°	1010.0	1196.2	1415.9	1690.0	2035.8	2474.2	3029.1	3728.1	4668.3	5759.4	6842.7
2.5°	1014.6	1201.8	1424.1	1699.8	2052.1	2494.5	3055.9	3772.9	4727.9	5839.9	6927.8
0°	1015.5	1202.7	1426.1	1701.0	2056.7	2498.3	3060.1	3786.9	4740.5	5860.8	6958.7
-2.5°	1014.6	1201.8	1424.1	1699.8	2052.1	2494.5	3055.9	3772.9	4727.9	5839.9	6927.8
-5°	1010.0	1196.2	1415.9	1690.0	2035.8	2474.2	3029.1	3728.1	4668.3	5759.4	6842.7
-7.5°	1001.9	1185.8	1401.7	1671.7	2009.3	2438.4	2977.8	3656.7	4559.8	5618.4	6701.9
-10°	990.6	1171.4	1383.0	1645.5	1973.2	2387.1	2904.6	3554.7	4407.4	5423.7	6496.1
-12.5°	977.0	1152.9	1358.6	1610.9	1925.5	2320.0	2810.5	3422.4	4212.3	5177.8	6227.9
-15°	960.0	1129.8	1328.2	1568.1	1866.3	2237.3	2696.3	3260.8	3977.8	4891.0	5910.9
-17.5°	939.5	1102.2	1292.2	1517.2	1795.8	2139.4	2562.5	3079.4	3737.2	4586.5	5549.8
-20°	915.7	1070.2	1250.4	1458.4	1717.6	2041.0	2435.1	2913.9	3506.4	4251.7	5138.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	888.6	1033.9	1206.4	1404.1	1647.4	1944.2	2300.0	2726.6	3247.2	3876.8	4692.7
-25°	859.7	1000.3	1162.0	1347.3	1568.8	1836.9	2153.1	2525.9	2996.8	3557.8	4238.2
-27.5°	829.4	963.5	1112.8	1284.1	1481.7	1726.0	2017.7	2354.3	2750.7	3221.1	3774.2
-30°	796.4	923.1	1059.4	1217.8	1402.6	1623.4	1881.1	2168.2	2504.7	2920.9	3394.4
-32.5°	760.8	879.8	1008.8	1155.2	1321.3	1512.1	1738.8	1998.7	2291.2	2623.0	3026.4
-35°	725.4	837.8	957.9	1088.4	1235.1	1409.8	1609.4	1830.1	2077.3	2368.7	2691.1
-37.5°	692.0	793.4	903.9	1023.0	1158.6	1309.3	1476.1	1675.9	1890.4	2116.3	2392.6
-40°	656.5	746.7	851.5	961.3	1078.1	1212.0	1363.1	1526.0	1711.9	1910.7	2113.8
-42.5°	619.8	705.4	798.4	896.6	1004.4	1121.5	1247.1	1393.8	1546.2	1714.0	1892.8
-45°	587.9	662.1	744.6	836.5	931.1	1033.0	1146.5	1263.3	1398.4	1533.9	1686.2
-47.5°	554.7	619.2	695.2	774.3	860.5	951.0	1046.4	1152.7	1258.6	1378.6	1494.5
-50°	521.0	581.5	643.7	716.5	791.8	871.2	955.5	1044.9	1140.2	1235.5	1336.5
-52.5°	488.8	542.4	598.3	659.2	726.5	796.0	869.0	945.8	1027.6	1109.9	1193.4
-55°	455.7	505.1	552.6	605.8	663.4	725.1	787.3	854.3	920.0	994.1	1062.5
-57.5°	424.8	466.7	508.5	553.4	603.6	656.1	711.3	766.5	826.0	884.8	941.1
-60°	395.0	428.9	465.2	503.7	544.1	590.0	635.9	684.9	734.7	783.3	832.8
-62.5°	364.1	391.2	421.1	455.3	490.2	524.0	563.1	604.3	646.0	686.4	726.4
-65°	327.4	351.5	375.6	403.9	436.2	463.1	492.3	524.4	560.0	592.2	621.5
-67.5°	289.2	310.5	330.2	349.7	374.5	398.3	422.0	446.6	473.9	502.5	527.7
-70°	247.9	268.9	286.5	302.3	315.9	330.7	349.8	368.6	390.2	417.5	442.5
-72.5°	206.1	225.1	241.7	256.0	264.8	271.6	280.6	291.7	312.1	339.4	363.5
-75°	166.6	181.4	196.2	209.1	214.7	215.2	214.5	218.2	238.4	266.2	290.7
-77.5°	128.7	140.9	152.4	162.9	166.0	165.5	163.6	160.2	175.6	199.3	224.0
-80°	92.7	100.4	109.4	117.7	119.7	118.8	116.3	112.0	124.1	141.3	159.8
-82.5°	60.5	65.7	70.7	75.4	75.9	74.6	72.4	69.7	78.9	90.0	101.6
-85°	31.0	31.0	33.6	36.0	37.1	37.2	36.5	34.9	39.4	44.6	50.1
-87.5°	15.5	15.5	15.3	14.8	14.2	13.3	12.2	11.0	11.4	11.9	12.3
-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: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-WR-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°	12.7	12.3	11.9	11.4	10.9	10.7	10.5	10.2	10.0	9.2	8.5
85°	55.9	57.1	57.8	58.1	58.1	60.0	61.7	63.3	64.7	58.7	52.0
82.5°	113.6	119.0	123.6	128.3	132.9	136.0	138.4	140.2	141.3	127.9	112.9
80°	178.9	190.1	199.3	208.2	216.7	218.8	218.8	217.6	215.2	196.9	176.2
77.5°	248.8	263.4	275.0	286.6	297.9	302.1	304.1	305.7	306.7	284.1	256.2
75°	312.1	329.6	345.9	361.0	375.0	382.4	386.7	390.3	393.0	370.3	340.4
72.5°	384.4	403.0	420.6	437.3	452.1	461.9	468.3	473.6	477.7	464.7	446.0
70°	463.9	483.0	501.7	519.1	535.8	549.0	559.4	568.3	575.7	577.2	576.5
67.5°	552.2	574.8	596.9	615.9	635.8	654.4	670.7	684.3	695.2	702.4	706.4
65°	651.2	685.2	715.5	741.1	762.6	787.4	809.3	826.1	837.9	846.8	854.5
62.5°	767.9	809.2	843.7	878.0	913.3	947.6	969.0	990.5	1011.5	1031.3	1048.3
60°	880.3	925.5	972.3	1016.0	1056.5	1093.6	1132.1	1166.2	1196.0	1221.0	1239.6
57.5°	1000.1	1055.1	1108.3	1163.8	1216.0	1264.6	1312.1	1356.0	1393.9	1425.8	1451.9
55°	1130.0	1197.2	1260.6	1331.0	1399.2	1461.4	1518.7	1577.4	1630.3	1676.9	1713.8
52.5°	1270.1	1357.5	1441.4	1524.1	1612.5	1692.3	1763.7	1845.1	1917.3	1977.0	2023.4
50°	1437.4	1540.1	1650.9	1753.3	1864.9	1974.7	2076.0	2174.1	2270.0	2353.0	2420.1
47.5°	1627.8	1754.4	1891.5	2027.3	2165.8	2315.9	2449.9	2574.4	2708.6	2825.1	2918.5
45°	1839.6	2000.9	2166.6	2357.4	2533.2	2726.1	2904.7	3065.1	3255.3	3422.9	3557.8
42.5°	2074.5	2289.4	2507.1	2747.6	2980.8	3225.8	3485.9	3716.6	3969.0	4209.5	4404.0
40°	2365.7	2622.5	2914.2	3205.2	3540.0	3854.5	4233.5	4577.9	4890.7	5177.5	5412.6
37.5°	2689.2	3019.8	3386.3	3765.3	4223.5	4672.5	5116.1	5535.0	5904.7	6218.7	6482.0
35°	3056.5	3476.6	3920.4	4473.8	5010.6	5548.4	6049.5	6507.3	6909.4	7263.6	7564.8
32.5°	3479.0	3983.2	4604.6	5226.2	5838.5	6430.7	6980.8	7480.1	7921.1	8318.8	8665.1
30°	3923.2	4611.1	5308.5	5990.5	6659.2	7307.9	7911.6	8461.6	8959.9	9402.6	9801.7
27.5°	4487.6	5250.0	6010.5	6745.6	7481.4	8191.3	8845.6	9456.4	10028.3	10528.7	10984.9
25°	5033.5	5875.8	6684.2	7485.8	8286.6	9048.8	9780.4	10470.4	11125.4	11699.7	12208.9
22.5°	5579.4	6461.0	7324.9	8186.7	9047.0	9896.7	10718.2	11508.8	12241.2	12895.2	13468.4
20°	6085.0	7006.6	7930.4	8859.5	9792.0	10722.1	11644.8	12534.4	13350.4	14105.4	14768.9
17.5°	6538.2	7518.4	8497.8	9491.7	10502.5	11512.3	12537.2	13534.5	14467.4	15326.4	16096.1
15°	6939.6	7962.4	9014.3	10086.7	11172.2	12268.8	13387.2	14503.0	15553.1	16528.8	17388.1
12.5°	7290.6	8353.8	9456.4	10595.8	11774.0	12968.7	14189.3	15412.4	16574.8	17701.3	18629.1
10°	7580.1	8686.8	9839.1	11036.4	12278.9	13564.7	14874.2	16190.8	17471.5	18666.5	19727.5
7.5°	7803.8	8951.9	10139.3	11384.6	12688.1	14044.0	15431.2	16828.4	18195.2	19482.8	20656.7
5°	7961.5	9144.8	10347.2	11642.6	12991.4	14396.5	15838.2	17294.2	18723.0	20076.8	21293.5
2.5°	8053.1	9260.7	10468.2	11799.3	13171.7	14609.7	16090.5	17570.5	19037.0	20441.2	21691.4
0°	8077.2	9295.4	10537.7	11816.0	13228.4	14709.5	16137.3	17621.8	19145.9	20530.7	21776.4
-2.5°	8053.1	9260.7	10468.2	11799.3	13171.7	14609.7	16090.5	17570.5	19037.0	20441.2	21691.4
-5°	7961.5	9144.8	10347.2	11642.6	12991.4	14396.5	15838.2	17294.2	18723.0	20076.8	21293.5
-7.5°	7803.8	8951.9	10139.3	11384.6	12688.1	14044.0	15431.2	16828.4	18195.2	19482.8	20656.7
-10°	7580.1	8686.8	9839.1	11036.4	12278.9	13564.7	14874.2	16190.8	17471.5	18666.5	19727.5
-12.5°	7290.6	8353.8	9456.4	10595.8	11774.0	12968.7	14189.3	15412.4	16574.8	17701.3	18629.1
-15°	6939.6	7962.4	9014.3	10086.7	11172.2	12268.8	13387.2	14503.0	15553.1	16528.8	17388.1
-17.5°	6538.2	7518.4	8497.8	9491.7	10502.5	11512.3	12537.2	13534.5	14467.4	15326.4	16096.1
-20°	6085.0	7006.6	7930.4	8859.5	9792.0	10722.1	11644.8	12534.4	13350.4	14105.4	14768.9



REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5579.4	6461.0	7324.9	8186.7	9047.0	9896.7	10718.2	11508.8	12241.2	12895.2	13468.4
-25°	5033.5	5875.8	6684.2	7485.8	8286.6	9048.8	9780.4	10470.4	11125.4	11699.7	12208.9
-27.5°	4487.6	5250.0	6010.5	6745.6	7481.4	8191.3	8845.6	9456.4	10028.3	10528.7	10984.9
-30°	3923.2	4611.1	5308.5	5990.5	6659.2	7307.9	7911.6	8461.6	8959.9	9402.6	9801.7
-32.5°	3479.0	3983.2	4604.6	5226.2	5838.5	6430.7	6980.8	7480.1	7921.1	8318.8	8665.1
-35°	3056.5	3476.6	3920.4	4473.8	5010.6	5548.4	6049.5	6507.3	6909.4	7263.6	7564.8
-37.5°	2689.2	3019.8	3386.3	3765.3	4223.5	4672.5	5116.1	5535.0	5904.7	6218.7	6482.0
-40°	2365.7	2622.5	2914.2	3205.2	3540.0	3854.5	4233.5	4577.9	4890.7	5177.5	5412.6
-42.5°	2074.5	2289.4	2507.1	2747.6	2980.8	3225.8	3485.9	3716.6	3969.0	4209.5	4404.0
-45°	1839.6	2000.9	2166.6	2357.4	2533.2	2726.1	2904.7	3065.1	3255.3	3422.9	3557.8
-47.5°	1627.8	1754.4	1891.5	2027.3	2165.8	2315.9	2449.9	2574.4	2708.6	2825.1	2918.5
-50°	1437.4	1540.1	1650.9	1753.3	1864.9	1974.7	2076.0	2174.1	2270.0	2353.0	2420.1
-52.5°	1270.1	1357.5	1441.4	1524.1	1612.5	1692.3	1763.7	1845.1	1917.3	1977.0	2023.4
-55°	1130.0	1197.2	1260.6	1331.0	1399.2	1461.4	1518.7	1577.4	1630.3	1676.9	1713.8
-57.5°	1000.1	1055.1	1108.3	1163.8	1216.0	1264.6	1312.1	1356.0	1393.9	1425.8	1451.9
-60°	880.3	925.5	972.3	1016.0	1056.5	1093.6	1132.1	1166.2	1196.0	1221.0	1239.6
-62.5°	767.9	809.2	843.7	878.0	913.3	947.6	969.0	990.5	1011.5	1031.3	1048.3
-65°	651.2	685.2	715.5	741.1	762.6	787.4	809.3	826.1	837.9	846.8	854.5
-67.5°	552.2	574.8	596.9	615.9	635.8	654.4	670.7	684.3	695.2	702.4	706.4
-70°	463.9	483.0	501.7	519.1	535.8	549.0	559.4	568.3	575.7	577.2	576.5
-72.5°	384.4	403.0	420.6	437.3	452.1	461.9	468.3	473.6	477.7	464.7	446.0
-75°	312.1	329.6	345.9	361.0	375.0	382.4	386.7	390.3	393.0	370.3	340.4
-77.5°	248.8	263.4	275.0	286.6	297.9	302.1	304.1	305.7	306.7	284.1	256.2
-80°	178.9	190.1	199.3	208.2	216.7	218.8	218.8	217.6	215.2	196.9	176.2
-82.5°	113.6	119.0	123.6	128.3	132.9	136.0	138.4	140.2	141.3	127.9	112.9
-85°	55.9	57.1	57.8	58.1	58.1	60.0	61.7	63.3	64.7	58.7	52.0
-87.5°	12.7	12.3	11.9	11.4	10.9	10.7	10.5	10.2	10.0	9.2	8.5
-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: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-WR-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°	7.7	6.9	6.0	5.2	6.0	6.9	7.7	8.5	9.2	10.0	10.2
85°	45.0	37.6	36.9	36.1	36.9	37.6	45.0	52.0	58.7	64.7	63.3
82.5°	97.1	80.6	78.1	75.6	78.1	80.6	97.1	112.9	127.9	141.3	140.2
80°	154.6	132.2	127.9	123.7	127.9	132.2	154.6	176.2	196.9	215.2	217.6
77.5°	226.8	196.2	187.2	178.7	187.2	196.2	226.8	256.2	284.1	306.7	305.7
75°	309.3	277.1	266.2	256.0	266.2	277.1	309.3	340.4	370.3	393.0	390.3
72.5°	427.1	407.4	387.7	366.0	387.7	407.4	427.1	446.0	464.7	477.7	473.6
70°	575.9	574.5	569.6	561.9	569.6	574.5	575.9	576.5	577.2	575.7	568.3
67.5°	708.1	707.5	709.3	709.6	709.3	707.5	708.1	706.4	702.4	695.2	684.3
65°	859.2	860.9	864.4	866.0	864.4	860.9	859.2	854.5	846.8	837.9	826.1
62.5°	1061.3	1070.0	1074.4	1073.9	1074.4	1070.0	1061.3	1048.3	1031.3	1011.5	990.5
60°	1253.5	1262.6	1268.3	1269.7	1268.3	1262.6	1253.5	1239.6	1221.0	1196.0	1166.2
57.5°	1472.6	1487.5	1495.4	1496.5	1495.4	1487.5	1472.6	1451.9	1425.8	1393.9	1356.0
55°	1742.1	1761.9	1770.7	1769.7	1770.7	1761.9	1742.1	1713.8	1676.9	1630.3	1577.4
52.5°	2058.6	2082.7	2100.7	2111.7	2100.7	2082.7	2058.6	2023.4	1977.0	1917.3	1845.1
50°	2470.5	2505.1	2527.1	2536.1	2527.1	2505.1	2470.5	2420.1	2353.0	2270.0	2174.1
47.5°	2986.0	3031.8	3065.7	3089.3	3065.7	3031.8	2986.0	2918.5	2825.1	2708.6	2574.4
45°	3657.4	3727.3	3774.7	3802.4	3774.7	3727.3	3657.4	3557.8	3422.9	3255.3	3065.1
42.5°	4555.8	4664.1	4730.5	4756.0	4730.5	4664.1	4555.8	4404.0	4209.5	3969.0	3716.6
40°	5598.3	5728.4	5813.8	5872.8	5813.8	5728.4	5598.3	5412.6	5177.5	4890.7	4577.9
37.5°	6684.1	6820.8	6904.0	6960.4	6904.0	6820.8	6684.1	6482.0	6218.7	5904.7	5535.0
35°	7791.9	7935.0	8013.0	8056.6	8013.0	7935.0	7791.9	7564.8	7263.6	6909.4	6507.3
32.5°	8929.2	9086.8	9171.6	9259.4	9171.6	9086.8	8929.2	8665.1	8318.8	7921.1	7480.1
30°	10117.0	10297.9	10386.7	10429.5	10386.7	10297.9	10117.0	9801.7	9402.6	8959.9	8461.6
27.5°	11353.0	11578.5	11689.6	11762.8	11689.6	11578.5	11353.0	10984.9	10528.7	10028.3	9456.4
25°	12639.0	12918.5	13045.7	13159.7	13045.7	12918.5	12639.0	12208.9	11699.7	11125.4	10470.4
22.5°	13973.4	14321.4	14468.8	14549.7	14468.8	14321.4	13973.4	13468.4	12895.2	12241.2	11508.8
20°	15342.5	15758.4	15963.1	16068.6	15963.1	15758.4	15342.5	14768.9	14105.4	13350.4	12534.4
17.5°	16742.6	17259.9	17524.9	17585.7	17524.9	17259.9	16742.6	16096.1	15326.4	14467.4	13534.5
15°	18117.0	18676.6	18989.9	19104.6	18989.9	18676.6	18117.0	17388.1	16528.8	15553.1	14503.0
12.5°	19418.7	19998.7	20373.0	20439.7	20373.0	19998.7	19418.7	18629.1	17701.3	16574.8	15412.4
10°	20599.2	21200.1	21613.5	21707.7	21613.5	21200.1	20599.2	19727.5	18666.5	17471.5	16190.8
7.5°	21586.1	22245.4	22702.1	22781.6	22702.1	22245.4	21586.1	20656.7	19482.8	18195.2	16828.4
5°	22308.2	23090.9	23465.8	23559.9	23465.8	23090.9	22308.2	21293.5	20076.8	18723.0	17294.2
2.5°	22704.3	23501.1	24022.1	23962.0	24022.1	23501.1	22704.3	21691.4	20441.2	19037.0	17570.5
0°	22748.9	23582.3	24080.5	24310.8	24080.5	23582.3	22748.9	21776.4	20530.7	19145.9	17621.8
-2.5°	22704.3	23501.1	24022.1	23962.0	24022.1	23501.1	22704.3	21691.4	20441.2	19037.0	17570.5
-5°	22308.2	23090.9	23465.8	23559.9	23465.8	23090.9	22308.2	21293.5	20076.8	18723.0	17294.2
-7.5°	21586.1	22245.4	22702.1	22781.6	22702.1	22245.4	21586.1	20656.7	19482.8	18195.2	16828.4
-10°	20599.2	21200.1	21613.5	21707.7	21613.5	21200.1	20599.2	19727.5	18666.5	17471.5	16190.8
-12.5°	19418.7	19998.7	20373.0	20439.7	20373.0	19998.7	19418.7	18629.1	17701.3	16574.8	15412.4
-15°	18117.0	18676.6	18989.9	19104.6	18989.9	18676.6	18117.0	17388.1	16528.8	15553.1	14503.0
-17.5°	16742.6	17259.9	17524.9	17585.7	17524.9	17259.9	16742.6	16096.1	15326.4	14467.4	13534.5
-20°	15342.5	15758.4	15963.1	16068.6	15963.1	15758.4	15342.5	14768.9	14105.4	13350.4	12534.4



REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13973.4	14321.4	14468.8	14549.7	14468.8	14321.4	13973.4	13468.4	12895.2	12241.2	11508.8
-25°	12639.0	12918.5	13045.7	13159.7	13045.7	12918.5	12639.0	12208.9	11699.7	11125.4	10470.4
-27.5°	11353.0	11578.5	11689.6	11762.8	11689.6	11578.5	11353.0	10984.9	10528.7	10028.3	9456.4
-30°	10117.0	10297.9	10386.7	10429.5	10386.7	10297.9	10117.0	9801.7	9402.6	8959.9	8461.6
-32.5°	8929.2	9086.8	9171.6	9259.4	9171.6	9086.8	8929.2	8665.1	8318.8	7921.1	7480.1
-35°	7791.9	7935.0	8013.0	8056.6	8013.0	7935.0	7791.9	7564.8	7263.6	6909.4	6507.3
-37.5°	6684.1	6820.8	6904.0	6960.4	6904.0	6820.8	6684.1	6482.0	6218.7	5904.7	5535.0
-40°	5598.3	5728.4	5813.8	5872.8	5813.8	5728.4	5598.3	5412.6	5177.5	4890.7	4577.9
-42.5°	4555.8	4664.1	4730.5	4756.0	4730.5	4664.1	4555.8	4404.0	4209.5	3969.0	3716.6
-45°	3657.4	3727.3	3774.7	3802.4	3774.7	3727.3	3657.4	3557.8	3422.9	3255.3	3065.1
-47.5°	2986.0	3031.8	3065.7	3089.3	3065.7	3031.8	2986.0	2918.5	2825.1	2708.6	2574.4
-50°	2470.5	2505.1	2527.1	2536.1	2527.1	2505.1	2470.5	2420.1	2353.0	2270.0	2174.1
-52.5°	2058.6	2082.7	2100.7	2111.7	2100.7	2082.7	2058.6	2023.4	1977.0	1917.3	1845.1
-55°	1742.1	1761.9	1770.7	1769.7	1770.7	1761.9	1742.1	1713.8	1676.9	1630.3	1577.4
-57.5°	1472.6	1487.5	1495.4	1496.5	1495.4	1487.5	1472.6	1451.9	1425.8	1393.9	1356.0
-60°	1253.5	1262.6	1268.3	1269.7	1268.3	1262.6	1253.5	1239.6	1221.0	1196.0	1166.2
-62.5°	1061.3	1070.0	1074.4	1073.9	1074.4	1070.0	1061.3	1048.3	1031.3	1011.5	990.5
-65°	859.2	860.9	864.4	866.0	864.4	860.9	859.2	854.5	846.8	837.9	826.1
-67.5°	708.1	707.5	709.3	709.6	709.3	707.5	708.1	706.4	702.4	695.2	684.3
-70°	575.9	574.5	569.6	561.9	569.6	574.5	575.9	576.5	577.2	575.7	568.3
-72.5°	427.1	407.4	387.7	366.0	387.7	407.4	427.1	446.0	464.7	477.7	473.6
-75°	309.3	277.1	266.2	256.0	266.2	277.1	309.3	340.4	370.3	393.0	390.3
-77.5°	226.8	196.2	187.2	178.7	187.2	196.2	226.8	256.2	284.1	306.7	305.7
-80°	154.6	132.2	127.9	123.7	127.9	132.2	154.6	176.2	196.9	215.2	217.6
-82.5°	97.1	80.6	78.1	75.6	78.1	80.6	97.1	112.9	127.9	141.3	140.2
-85°	45.0	37.6	36.9	36.1	36.9	37.6	45.0	52.0	58.7	64.7	63.3
-87.5°	7.7	6.9	6.0	5.2	6.0	6.9	7.7	8.5	9.2	10.0	10.2
-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: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-U-WR-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°	10.5	10.7	10.9	11.4	11.9	12.3	12.7	12.3	11.9	11.4	11.0
85°	61.7	60.0	58.1	58.1	57.8	57.1	55.9	50.1	44.6	39.4	34.9
82.5°	138.4	136.0	132.9	128.3	123.6	119.0	113.6	101.6	90.0	78.9	69.7
80°	218.8	218.8	216.7	208.2	199.3	190.1	178.9	159.8	141.3	124.1	112.0
77.5°	304.1	302.1	297.9	286.6	275.0	263.4	248.8	224.0	199.3	175.6	160.2
75°	386.7	382.4	375.0	361.0	345.9	329.6	312.1	290.7	266.2	238.4	218.2
72.5°	468.3	461.9	452.1	437.3	420.6	403.0	384.4	363.5	339.4	312.1	291.7
70°	559.4	549.0	535.8	519.1	501.7	483.0	463.9	442.5	417.5	390.2	368.6
67.5°	670.7	654.4	635.8	615.9	596.9	574.8	552.2	527.7	502.5	473.9	446.6
65°	809.3	787.4	762.6	741.1	715.5	685.2	651.2	621.5	592.2	560.0	524.4
62.5°	969.0	947.6	913.3	878.0	843.7	809.2	767.9	726.4	686.4	646.0	604.3
60°	1132.1	1093.6	1056.5	1016.0	972.3	925.5	880.3	832.8	783.3	734.7	684.9
57.5°	1312.1	1264.6	1216.0	1163.8	1108.3	1055.1	1000.1	941.1	884.8	826.0	766.5
55°	1518.7	1461.4	1399.2	1331.0	1260.6	1197.2	1130.0	1062.5	994.1	920.0	854.3
52.5°	1763.7	1692.3	1612.5	1524.1	1441.4	1357.5	1270.1	1193.4	1109.9	1027.6	945.8
50°	2076.0	1974.7	1864.9	1753.3	1650.9	1540.1	1437.4	1336.5	1235.5	1140.2	1044.9
47.5°	2449.9	2315.9	2165.8	2027.3	1891.5	1754.4	1627.8	1494.5	1378.6	1258.6	1152.7
45°	2904.7	2726.1	2533.2	2357.4	2166.6	2000.9	1839.6	1686.2	1533.9	1398.4	1263.3
42.5°	3485.9	3225.8	2980.8	2747.6	2507.1	2289.4	2074.5	1892.8	1714.0	1546.2	1393.8
40°	4233.5	3854.5	3540.0	3205.2	2914.2	2622.5	2365.7	2113.8	1910.7	1711.9	1526.0
37.5°	5116.1	4672.5	4223.5	3765.3	3386.3	3019.8	2689.2	2392.6	2116.3	1890.4	1675.9
35°	6049.5	5548.4	5010.6	4473.8	3920.4	3476.6	3056.5	2691.1	2368.7	2077.3	1830.1
32.5°	6980.8	6430.7	5838.5	5226.2	4604.6	3983.2	3479.0	3026.4	2623.0	2291.2	1998.7
30°	7911.6	7307.9	6659.2	5990.5	5308.5	4611.1	3923.2	3394.4	2920.9	2504.7	2168.2
27.5°	8845.6	8191.3	7481.4	6745.6	6010.5	5250.0	4487.6	3774.2	3221.1	2750.7	2354.3
25°	9780.4	9048.8	8286.6	7485.8	6684.2	5875.8	5033.5	4238.2	3557.8	2996.8	2525.9
22.5°	10718.2	9896.7	9047.0	8186.7	7324.9	6461.0	5579.4	4692.7	3876.8	3247.2	2726.6
20°	11644.8	10722.1	9792.0	8859.5	7930.4	7006.6	6085.0	5138.5	4251.7	3506.4	2913.9
17.5°	12537.2	11512.3	10502.5	9491.7	8497.8	7518.4	6538.2	5549.8	4586.5	3737.2	3079.4
15°	13387.2	12268.8	11172.2	10086.7	9014.3	7962.4	6939.6	5910.9	4891.0	3977.8	3260.8
12.5°	14189.3	12968.7	11774.0	10595.8	9456.4	8353.8	7290.6	6227.9	5177.8	4212.3	3422.4
10°	14874.2	13564.7	12278.9	11036.4	9839.1	8686.8	7580.1	6496.1	5423.7	4407.4	3554.7
7.5°	15431.2	14044.0	12688.1	11384.6	10139.3	8951.9	7803.8	6701.9	5618.4	4559.8	3656.7
5°	15838.2	14396.5	12991.4	11642.6	10347.2	9144.8	7961.5	6842.7	5759.4	4668.3	3728.1
2.5°	16090.5	14609.7	13171.7	11799.3	10468.2	9260.7	8053.1	6927.8	5839.9	4727.9	3772.9
0°	16137.3	14709.5	13228.4	11816.0	10537.7	9295.4	8077.2	6958.7	5860.8	4740.5	3786.9
-2.5°	16090.5	14609.7	13171.7	11799.3	10468.2	9260.7	8053.1	6927.8	5839.9	4727.9	3772.9
-5°	15838.2	14396.5	12991.4	11642.6	10347.2	9144.8	7961.5	6842.7	5759.4	4668.3	3728.1
-7.5°	15431.2	14044.0	12688.1	11384.6	10139.3	8951.9	7803.8	6701.9	5618.4	4559.8	3656.7
-10°	14874.2	13564.7	12278.9	11036.4	9839.1	8686.8	7580.1	6496.1	5423.7	4407.4	3554.7
-12.5°	14189.3	12968.7	11774.0	10595.8	9456.4	8353.8	7290.6	6227.9	5177.8	4212.3	3422.4
-15°	13387.2	12268.8	11172.2	10086.7	9014.3	7962.4	6939.6	5910.9	4891.0	3977.8	3260.8
-17.5°	12537.2	11512.3	10502.5	9491.7	8497.8	7518.4	6538.2	5549.8	4586.5	3737.2	3079.4
-20°	11644.8	10722.1	9792.0	8859.5	7930.4	7006.6	6085.0	5138.5	4251.7	3506.4	2913.9



REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10718.2	9896.7	9047.0	8186.7	7324.9	6461.0	5579.4	4692.7	3876.8	3247.2	2726.6
-25°	9780.4	9048.8	8286.6	7485.8	6684.2	5875.8	5033.5	4238.2	3557.8	2996.8	2525.9
-27.5°	8845.6	8191.3	7481.4	6745.6	6010.5	5250.0	4487.6	3774.2	3221.1	2750.7	2354.3
-30°	7911.6	7307.9	6659.2	5990.5	5308.5	4611.1	3923.2	3394.4	2920.9	2504.7	2168.2
-32.5°	6980.8	6430.7	5838.5	5226.2	4604.6	3983.2	3479.0	3026.4	2623.0	2291.2	1998.7
-35°	6049.5	5548.4	5010.6	4473.8	3920.4	3476.6	3056.5	2691.1	2368.7	2077.3	1830.1
-37.5°	5116.1	4672.5	4223.5	3765.3	3386.3	3019.8	2689.2	2392.6	2116.3	1890.4	1675.9
-40°	4233.5	3854.5	3540.0	3205.2	2914.2	2622.5	2365.7	2113.8	1910.7	1711.9	1526.0
-42.5°	3485.9	3225.8	2980.8	2747.6	2507.1	2289.4	2074.5	1892.8	1714.0	1546.2	1393.8
-45°	2904.7	2726.1	2533.2	2357.4	2166.6	2000.9	1839.6	1686.2	1533.9	1398.4	1263.3
-47.5°	2449.9	2315.9	2165.8	2027.3	1891.5	1754.4	1627.8	1494.5	1378.6	1258.6	1152.7
-50°	2076.0	1974.7	1864.9	1753.3	1650.9	1540.1	1437.4	1336.5	1235.5	1140.2	1044.9
-52.5°	1763.7	1692.3	1612.5	1524.1	1441.4	1357.5	1270.1	1193.4	1109.9	1027.6	945.8
-55°	1518.7	1461.4	1399.2	1331.0	1260.6	1197.2	1130.0	1062.5	994.1	920.0	854.3
-57.5°	1312.1	1264.6	1216.0	1163.8	1108.3	1055.1	1000.1	941.1	884.8	826.0	766.5
-60°	1132.1	1093.6	1056.5	1016.0	972.3	925.5	880.3	832.8	783.3	734.7	684.9
-62.5°	969.0	947.6	913.3	878.0	843.7	809.2	767.9	726.4	686.4	646.0	604.3
-65°	809.3	787.4	762.6	741.1	715.5	685.2	651.2	621.5	592.2	560.0	524.4
-67.5°	670.7	654.4	635.8	615.9	596.9	574.8	552.2	527.7	502.5	473.9	446.6
-70°	559.4	549.0	535.8	519.1	501.7	483.0	463.9	442.5	417.5	390.2	368.6
-72.5°	468.3	461.9	452.1	437.3	420.6	403.0	384.4	363.5	339.4	312.1	291.7
-75°	386.7	382.4	375.0	361.0	345.9	329.6	312.1	290.7	266.2	238.4	218.2
-77.5°	304.1	302.1	297.9	286.6	275.0	263.4	248.8	224.0	199.3	175.6	160.2
-80°	218.8	218.8	216.7	208.2	199.3	190.1	178.9	159.8	141.3	124.1	112.0
-82.5°	138.4	136.0	132.9	128.3	123.6	119.0	113.6	101.6	90.0	78.9	69.7
-85°	61.7	60.0	58.1	58.1	57.8	57.1	55.9	50.1	44.6	39.4	34.9
-87.5°	10.5	10.7	10.9	11.4	11.9	12.3	12.7	12.3	11.9	11.4	11.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-WR-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°	12.2	13.3	14.2	14.8	15.3	15.5	15.5	15.3	14.6	13.8	12.8
85°	36.5	37.2	37.1	36.0	33.6	31.0	31.0	30.5	29.3	27.6	25.6
82.5°	72.4	74.6	75.9	75.4	70.7	65.7	60.5	55.0	49.0	42.3	38.4
80°	116.3	118.8	119.7	117.7	109.4	100.4	92.7	84.7	76.9	68.1	58.2
77.5°	163.6	165.5	166.0	162.9	152.4	140.9	128.7	115.8	104.8	93.8	81.6
75°	214.5	215.2	214.7	209.1	196.2	181.4	166.6	150.6	134.5	119.6	104.9
72.5°	280.6	271.6	264.8	256.0	241.7	225.1	206.1	184.8	164.5	145.4	127.7
70°	349.8	330.7	315.9	302.3	286.5	268.9	247.9	221.2	194.0	170.9	149.3
67.5°	422.0	398.3	374.5	349.7	330.2	310.5	289.2	257.0	224.5	195.8	170.5
65°	492.3	463.1	436.2	403.9	375.6	351.5	327.4	291.0	253.8	220.4	191.1
62.5°	563.1	524.0	490.2	455.3	421.1	391.2	364.1	322.6	282.0	243.9	210.7
60°	635.9	590.0	544.1	503.7	465.2	428.9	395.0	353.3	309.2	266.4	229.3
57.5°	711.3	656.1	603.6	553.4	508.5	466.7	424.8	381.5	335.5	289.2	246.0
55°	787.3	725.1	663.4	605.8	552.6	505.1	455.7	408.5	360.8	311.5	259.3
52.5°	869.0	796.0	726.5	659.2	598.3	542.4	488.8	434.9	384.8	332.8	273.8
50°	955.5	871.2	791.8	716.5	643.7	581.5	521.0	463.9	408.2	353.4	287.5
47.5°	1046.4	951.0	860.5	774.3	695.2	619.2	554.7	492.4	431.0	373.8	299.9
45°	1146.5	1033.0	931.1	836.5	744.6	662.1	587.9	519.9	455.7	388.4	311.1
42.5°	1247.1	1121.5	1004.4	896.6	798.4	705.4	619.8	548.4	479.5	401.7	322.0
40°	1363.1	1212.0	1078.1	961.3	851.5	746.7	656.5	575.9	501.6	414.9	332.6
37.5°	1476.1	1309.3	1158.6	1023.0	903.9	793.4	692.0	602.1	519.0	429.4	342.2
35°	1609.4	1409.8	1235.1	1088.4	957.9	837.8	725.4	628.8	538.2	443.3	350.7
32.5°	1738.8	1512.1	1321.3	1155.2	1008.8	879.8	760.8	656.2	557.7	456.5	358.2
30°	1881.1	1623.4	1402.6	1217.8	1059.4	923.1	796.4	682.0	577.4	469.0	365.5
27.5°	2017.7	1726.0	1481.7	1284.1	1112.8	963.5	829.4	706.1	597.1	482.0	374.6
25°	2153.1	1836.9	1568.8	1347.3	1162.0	1000.3	859.7	728.7	616.4	496.6	382.7
22.5°	2300.0	1944.2	1647.4	1404.1	1206.4	1033.9	888.6	753.3	634.2	510.5	389.8
20°	2435.1	2041.0	1717.6	1458.4	1250.4	1070.2	915.7	775.4	650.2	523.6	395.8
17.5°	2562.5	2139.4	1795.8	1517.2	1292.2	1102.2	939.5	794.8	664.2	535.6	400.7
15°	2696.3	2237.3	1866.3	1568.1	1328.2	1129.8	960.0	811.5	676.4	546.4	405.3
12.5°	2810.5	2320.0	1925.5	1610.9	1358.6	1152.9	977.0	825.4	686.5	555.6	409.4
10°	2904.6	2387.1	1973.2	1645.5	1383.0	1171.4	990.6	836.6	694.9	562.7	411.7
7.5°	2977.8	2438.4	2009.3	1671.7	1401.7	1185.8	1001.9	845.4	701.5	567.8	412.2
5°	3029.1	2474.2	2035.8	1690.0	1415.9	1196.2	1010.0	851.2	705.9	570.5	411.0
2.5°	3055.9	2494.5	2052.1	1699.8	1424.1	1201.8	1014.6	854.0	708.1	570.8	408.2
0°	3060.1	2498.3	2056.7	1701.0	1426.1	1202.7	1015.5	853.9	707.9	568.7	403.8
-2.5°	3055.9	2494.5	2052.1	1699.8	1424.1	1201.8	1014.6	854.0	708.1	570.8	408.2
-5°	3029.1	2474.2	2035.8	1690.0	1415.9	1196.2	1010.0	851.2	705.9	570.5	411.0
-7.5°	2977.8	2438.4	2009.3	1671.7	1401.7	1185.8	1001.9	845.4	701.5	567.8	412.2
-10°	2904.6	2387.1	1973.2	1645.5	1383.0	1171.4	990.6	836.6	694.9	562.7	411.7
-12.5°	2810.5	2320.0	1925.5	1610.9	1358.6	1152.9	977.0	825.4	686.5	555.6	409.4
-15°	2696.3	2237.3	1866.3	1568.1	1328.2	1129.8	960.0	811.5	676.4	546.4	405.3
-17.5°	2562.5	2139.4	1795.8	1517.2	1292.2	1102.2	939.5	794.8	664.2	535.6	400.7
-20°	2435.1	2041.0	1717.6	1458.4	1250.4	1070.2	915.7	775.4	650.2	523.6	395.8

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2300.0	1944.2	1647.4	1404.1	1206.4	1033.9	888.6	753.3	634.2	510.5	389.8
-25°	2153.1	1836.9	1568.8	1347.3	1162.0	1000.3	859.7	728.7	616.4	496.6	382.7
-27.5°	2017.7	1726.0	1481.7	1284.1	1112.8	963.5	829.4	706.1	597.1	482.0	374.6
-30°	1881.1	1623.4	1402.6	1217.8	1059.4	923.1	796.4	682.0	577.4	469.0	365.5
-32.5°	1738.8	1512.1	1321.3	1155.2	1008.8	879.8	760.8	656.2	557.7	456.5	358.2
-35°	1609.4	1409.8	1235.1	1088.4	957.9	837.8	725.4	628.8	538.2	443.3	350.7
-37.5°	1476.1	1309.3	1158.6	1023.0	903.9	793.4	692.0	602.1	519.0	429.4	342.2
-40°	1363.1	1212.0	1078.1	961.3	851.5	746.7	656.5	575.9	501.6	414.9	332.6
-42.5°	1247.1	1121.5	1004.4	896.6	798.4	705.4	619.8	548.4	479.5	401.7	322.0
-45°	1146.5	1033.0	931.1	836.5	744.6	662.1	587.9	519.9	455.7	388.4	311.1
-47.5°	1046.4	951.0	860.5	774.3	695.2	619.2	554.7	492.4	431.0	373.8	299.9
-50°	955.5	871.2	791.8	716.5	643.7	581.5	521.0	463.9	408.2	353.4	287.5
-52.5°	869.0	796.0	726.5	659.2	598.3	542.4	488.8	434.9	384.8	332.8	273.8
-55°	787.3	725.1	663.4	605.8	552.6	505.1	455.7	408.5	360.8	311.5	259.3
-57.5°	711.3	656.1	603.6	553.4	508.5	466.7	424.8	381.5	335.5	289.2	246.0
-60°	635.9	590.0	544.1	503.7	465.2	428.9	395.0	353.3	309.2	266.4	229.3
-62.5°	563.1	524.0	490.2	455.3	421.1	391.2	364.1	322.6	282.0	243.9	210.7
-65°	492.3	463.1	436.2	403.9	375.6	351.5	327.4	291.0	253.8	220.4	191.1
-67.5°	422.0	398.3	374.5	349.7	330.2	310.5	289.2	257.0	224.5	195.8	170.5
-70°	349.8	330.7	315.9	302.3	286.5	268.9	247.9	221.2	194.0	170.9	149.3
-72.5°	280.6	271.6	264.8	256.0	241.7	225.1	206.1	184.8	164.5	145.4	127.7
-75°	214.5	215.2	214.7	209.1	196.2	181.4	166.6	150.6	134.5	119.6	104.9
-77.5°	163.6	165.5	166.0	162.9	152.4	140.9	128.7	115.8	104.8	93.8	81.6
-80°	116.3	118.8	119.7	117.7	109.4	100.4	92.7	84.7	76.9	68.1	58.2
-82.5°	72.4	74.6	75.9	75.4	70.7	65.7	60.5	55.0	49.0	42.3	38.4
-85°	36.5	37.2	37.1	36.0	33.6	31.0	31.0	30.5	29.3	27.6	25.6
-87.5°	12.2	13.3	14.2	14.8	15.3	15.5	15.5	15.3	14.6	13.8	12.8
-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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REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-WR-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°	11.6	9.0	6.7	4.6	2.8	1.2	0.0
85°	23.1	18.0	13.4	9.3	5.7	2.5	0.0
82.5°	34.5	26.9	20.0	13.9	8.5	3.7	0.0
80°	46.9	35.7	26.6	18.4	11.3	4.9	0.0
77.5°	66.9	46.5	33.1	22.9	14.0	6.1	0.0
75°	86.3	60.7	40.0	27.4	16.7	7.3	0.0
72.5°	105.1	74.6	49.6	31.7	19.3	8.5	0.0
70°	123.0	87.9	58.8	36.2	21.9	9.6	0.0
67.5°	138.5	100.5	67.7	41.8	24.4	10.7	0.0
65°	153.3	112.2	76.1	47.2	26.9	11.8	0.0
62.5°	167.2	122.9	84.0	52.3	29.2	12.9	0.0
60°	180.2	132.9	91.4	57.2	31.4	13.9	0.0
57.5°	192.0	142.2	98.3	61.7	34.2	14.9	0.0
55°	202.9	150.8	104.6	65.8	36.8	15.8	0.0
52.5°	212.9	158.7	110.5	69.6	39.3	16.7	0.0
50°	221.9	165.9	115.8	73.0	41.8	17.6	0.0
47.5°	230.3	172.5	120.6	76.2	44.1	18.4	0.0
45°	239.7	178.2	124.8	79.3	46.3	19.2	0.0
42.5°	248.1	183.3	128.4	82.0	48.3	19.9	0.0
40°	255.5	187.5	131.7	85.0	50.3	20.6	0.0
37.5°	261.8	191.0	134.6	88.1	52.1	21.2	0.0
35°	267.1	194.9	137.0	90.9	53.7	21.7	0.0
32.5°	271.9	198.6	138.8	93.4	55.3	22.3	0.0
30°	277.2	201.5	140.1	95.7	56.7	22.7	0.0
27.5°	281.6	203.5	143.1	97.8	57.9	23.1	0.0
25°	285.0	204.8	146.0	99.6	59.0	23.5	0.0
22.5°	287.4	206.4	148.5	101.1	60.0	23.8	0.0
20°	288.8	210.1	150.7	102.4	60.8	24.0	0.0
17.5°	292.0	213.2	152.5	103.3	61.4	24.2	0.0
15°	295.9	215.6	154.0	104.1	62.0	24.3	0.0
12.5°	298.7	217.3	155.0	104.5	62.3	24.4	0.0
10°	300.4	218.4	155.7	104.8	62.5	24.5	0.0
7.5°	301.1	218.9	156.0	104.7	62.6	24.4	0.0
5°	300.8	218.7	155.9	104.4	62.5	24.4	0.0
2.5°	299.5	217.9	155.5	103.9	62.3	24.3	0.0
0°	297.2	216.5	154.6	103.1	61.9	24.1	0.0
-2.5°	299.5	217.9	155.5	103.9	62.3	24.3	0.0
-5°	300.8	218.7	155.9	104.4	62.5	24.4	0.0
-7.5°	301.1	218.9	156.0	104.7	62.6	24.4	0.0
-10°	300.4	218.4	155.7	104.8	62.5	24.5	0.0
-12.5°	298.7	217.3	155.0	104.5	62.3	24.4	0.0
-15°	295.9	215.6	154.0	104.1	62.0	24.3	0.0
-17.5°	292.0	213.2	152.5	103.3	61.4	24.2	0.0
-20°	288.8	210.1	150.7	102.4	60.8	24.0	0.0

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REPORT NUMBER: P627403 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	287.4	206.4	148.5	101.1	60.0	23.8	0.0
-25°	285.0	204.8	146.0	99.6	59.0	23.5	0.0
-27.5°	281.6	203.5	143.1	97.8	57.9	23.1	0.0
-30°	277.2	201.5	140.1	95.7	56.7	22.7	0.0
-32.5°	271.9	198.6	138.8	93.4	55.3	22.3	0.0
-35°	267.1	194.9	137.0	90.9	53.7	21.7	0.0
-37.5°	261.8	191.0	134.6	88.1	52.1	21.2	0.0
-40°	255.5	187.5	131.7	85.0	50.3	20.6	0.0
-42.5°	248.1	183.3	128.4	82.0	48.3	19.9	0.0
-45°	239.7	178.2	124.8	79.3	46.3	19.2	0.0
-47.5°	230.3	172.5	120.6	76.2	44.1	18.4	0.0
-50°	221.9	165.9	115.8	73.0	41.8	17.6	0.0
-52.5°	212.9	158.7	110.5	69.6	39.3	16.7	0.0
-55°	202.9	150.8	104.6	65.8	36.8	15.8	0.0
-57.5°	192.0	142.2	98.3	61.7	34.2	14.9	0.0
-60°	180.2	132.9	91.4	57.2	31.4	13.9	0.0
-62.5°	167.2	122.9	84.0	52.3	29.2	12.9	0.0
-65°	153.3	112.2	76.1	47.2	26.9	11.8	0.0
-67.5°	138.5	100.5	67.7	41.8	24.4	10.7	0.0
-70°	123.0	87.9	58.8	36.2	21.9	9.6	0.0
-72.5°	105.1	74.6	49.6	31.7	19.3	8.5	0.0
-75°	86.3	60.7	40.0	27.4	16.7	7.3	0.0
-77.5°	66.9	46.5	33.1	22.9	14.0	6.1	0.0
-80°	46.9	35.7	26.6	18.4	11.3	4.9	0.0
-82.5°	34.5	26.9	20.0	13.9	8.5	3.7	0.0
-85°	23.1	18.0	13.4	9.3	5.7	2.5	0.0
-87.5°	11.6	9.0	6.7	4.6	2.8	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)