

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: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4B-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627331 (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-SA4B-730-U-VWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N93
Light Source: (64) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

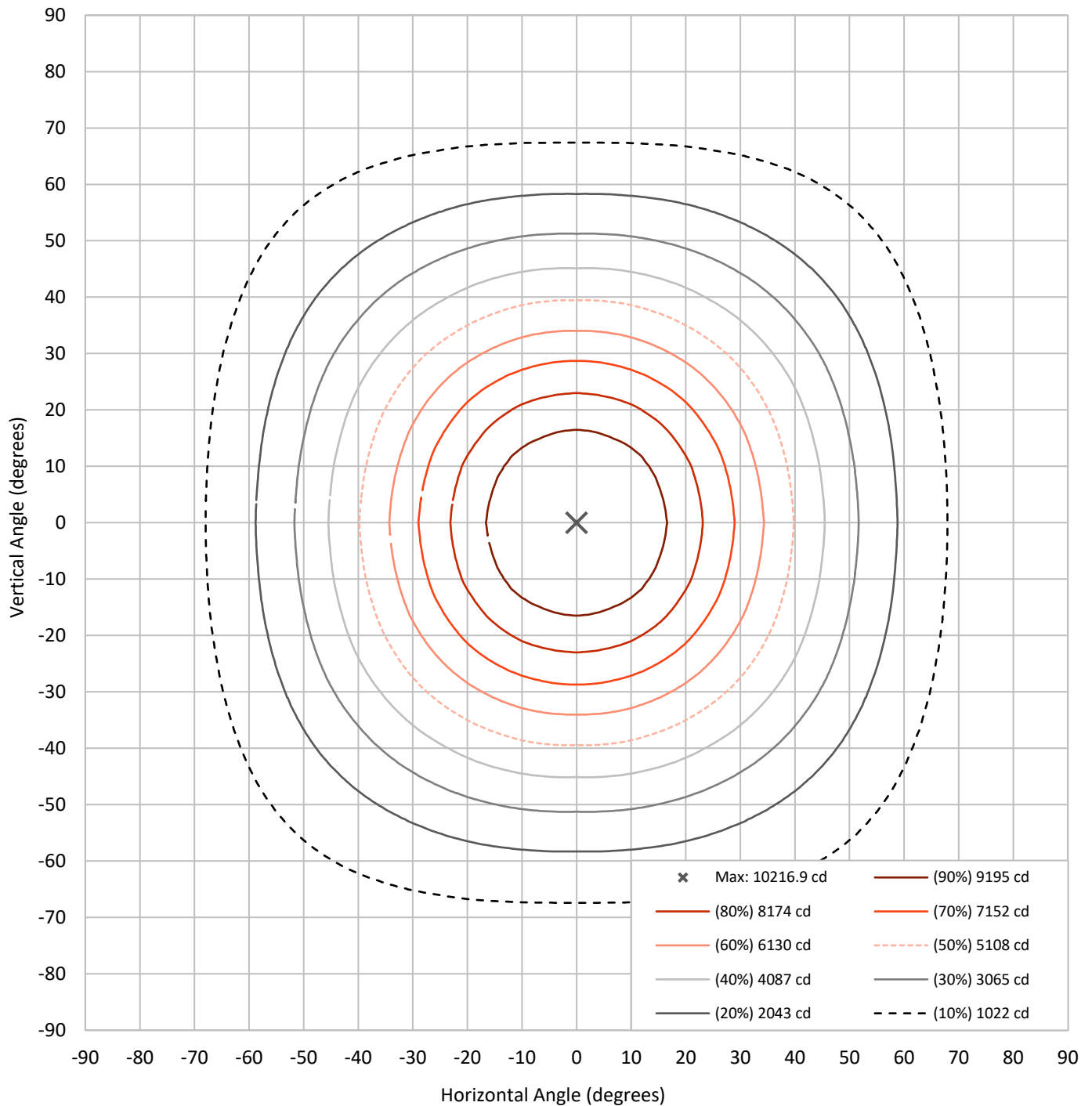
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	18466.1 lumens	Max Intensity:	10216.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	142.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' 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:	10830.5 lumens	Field Lumens:	17604.3 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	129.5		
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





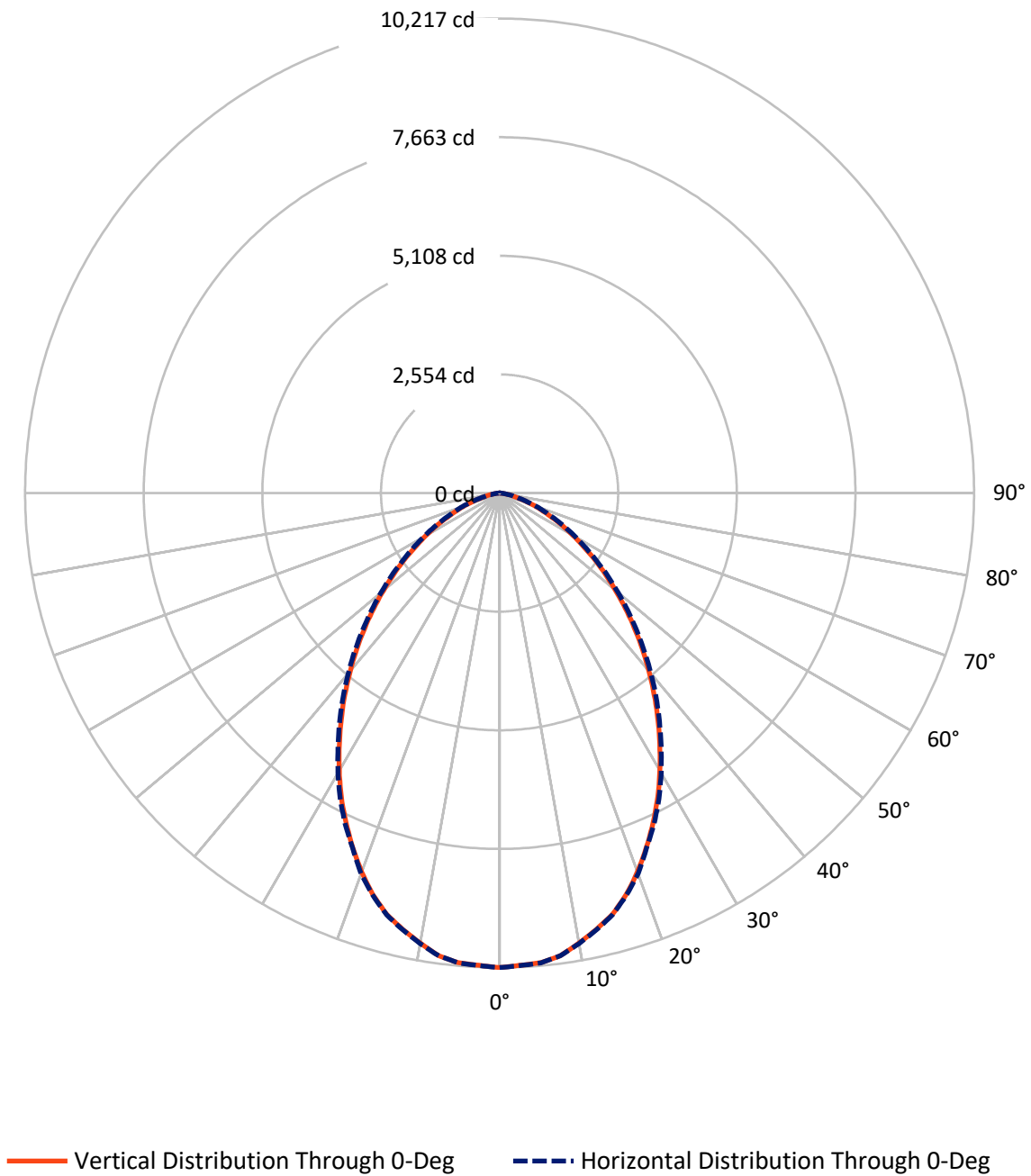
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Lumen Table

90																			
80	0.6	7.6	20.6	35.0	33.0	35.0	20.6	7.6	0.6										
70																			
60	3.4	4.7	9.6	16.3	23.8	30.8	36.0	38.5	38.5	36.0	30.8	23.8	16.3	9.6	4.7	3.4			
50		7.1	15.5	27.7	41.9	57.0	69.4	75.8	75.8	69.4	57.0	41.9	27.7	15.5	7.1				
40	6.0	9.5	22.5	41.5	65.7	91.0	112.3	123.9	123.9	112.3	91.0	65.7	41.5	22.5	9.5	6.0			
30		12.1	29.7	57.1	92.0	128.9	160.5	178.4	178.4	160.5	128.9	92.0	57.1	29.7	12.1				
20	7.8	14.4	36.6	71.8	117.1	166.2	209.0	233.6	233.6	209.0	166.2	117.1	71.8	36.6	14.4	7.8			
10		16.3	41.9	82.7	136.7	196.4	249.1	279.0	279.0	249.1	196.4	136.7	82.7	41.9	16.3				
0	8.4	17.3	44.8	89.0	147.6	213.1	270.7	302.3	302.3	270.7	213.1	147.6	89.0	44.8	17.3	8.4			
-10		17.3	44.8	89.0	147.6	213.1	270.7	302.3	302.3	270.7	213.1	147.6	89.0	44.8	17.3				
-20	7.8	16.3	41.9	82.7	136.7	196.4	249.1	279.0	279.0	249.1	196.4	136.7	82.7	41.9	16.3	7.8			
-30		14.4	36.6	71.8	117.1	166.2	209.0	233.6	233.6	209.0	166.2	117.1	71.8	36.6	14.4				
-40	6.0	12.1	29.7	57.1	92.0	128.9	160.5	178.4	178.4	160.5	128.9	92.0	57.1	29.7	12.1	6.0			
-50		9.5	22.5	41.5	65.7	91.0	112.3	123.9	123.9	112.3	91.0	65.7	41.5	22.5	9.5				
-60	3.4	7.1	15.5	27.7	41.9	57.0	69.4	75.8	75.8	69.4	57.0	41.9	27.7	15.5	7.1	3.4			
-70		4.7	9.6	16.3	23.8	30.8	36.0	38.5	38.5	36.0	30.8	23.8	16.3	9.6	4.7				
-80																			
-90	0.6	7.6	20.6	35.0	33.0	35.0	20.6	7.6	0.6										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

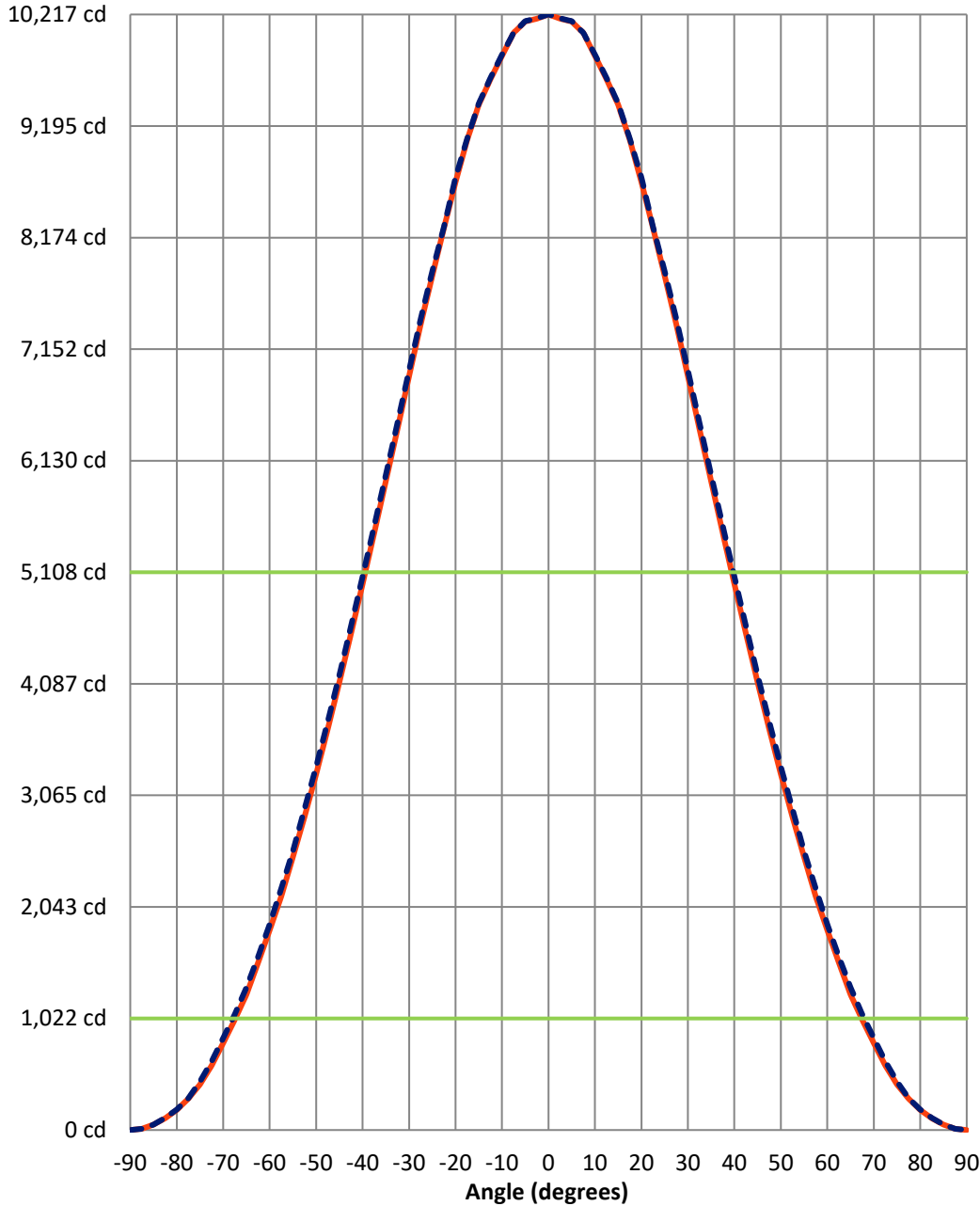
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 10830.5
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 17604.3
 Efficiency: 95.3%

Spill:
 Lumens: 861.8
 Efficiency: 4.7%

— 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	0.6	1.3	2.0	2.7	3.3	4.0	4.6	5.2	5.9	6.5
85°	0.0	1.2	2.7	4.0	5.3	6.6	7.9	9.2	10.5	11.7	12.9
82.5°	0.0	1.7	4.0	6.0	7.9	9.9	11.8	13.8	17.2	27.1	36.6
80°	0.0	2.3	5.3	7.9	10.6	13.2	17.8	31.8	45.1	58.0	70.3
77.5°	0.0	2.9	6.6	9.9	13.2	20.7	38.9	56.4	72.9	88.7	108.4
75°	0.0	3.5	7.8	11.8	17.2	35.8	59.4	80.9	101.5	129.9	160.0
72.5°	0.0	4.0	9.1	13.8	27.4	50.5	79.3	107.2	139.6	174.1	210.6
70°	0.0	4.5	10.3	16.5	37.3	64.6	99.2	138.8	176.9	217.5	265.0
67.5°	0.0	5.1	11.5	22.6	46.8	78.2	123.1	169.6	213.3	264.7	319.1
65°	0.0	5.6	12.6	28.5	55.8	93.4	145.9	199.6	252.7	310.4	369.8
62.5°	0.0	6.1	13.7	34.1	64.4	110.0	167.5	230.9	290.8	354.2	415.1
60°	0.0	6.6	14.8	39.4	72.5	125.7	187.9	262.0	327.4	395.1	459.7
57.5°	0.0	7.0	17.8	44.4	83.3	140.5	209.4	291.0	363.5	435.3	502.1
55°	0.0	7.5	20.7	49.0	93.5	154.2	229.8	316.0	399.1	474.2	542.7
52.5°	0.0	7.9	23.5	53.3	103.0	167.3	248.7	342.0	433.8	509.9	582.3
50°	0.0	8.3	26.1	57.2	111.8	181.1	265.9	366.7	466.7	544.6	627.7
47.5°	0.0	8.7	28.7	61.3	119.8	193.8	282.1	389.7	496.6	578.2	672.2
45°	0.0	9.1	31.1	66.6	127.0	205.2	300.1	410.9	519.8	616.2	714.8
42.5°	0.0	9.4	33.4	71.4	133.4	215.4	316.6	430.3	542.0	652.6	764.8
40°	0.0	9.7	35.6	76.3	139.8	224.2	331.6	448.8	565.1	686.6	813.7
37.5°	0.0	10.0	37.6	81.2	146.2	231.8	345.0	466.3	591.0	719.0	859.4
35°	0.0	10.3	39.5	85.8	151.7	240.6	356.8	482.8	616.3	756.2	905.6
32.5°	0.0	10.6	41.2	89.9	156.2	249.3	367.8	498.2	640.9	791.9	954.4
30°	0.0	10.8	42.8	93.8	159.9	256.8	379.2	513.6	664.5	826.1	1000.1
27.5°	0.0	11.0	44.2	97.3	165.4	263.0	389.4	531.5	688.9	858.6	1042.4
25°	0.0	11.2	45.5	100.4	170.5	267.9	398.4	548.2	714.3	891.6	1081.6
22.5°	0.0	11.3	46.6	103.1	175.0	272.8	406.1	563.4	737.7	922.9	1123.3
20°	0.0	11.4	47.6	105.5	178.9	279.6	412.4	577.2	758.9	950.8	1160.7
17.5°	0.0	11.5	48.4	107.5	182.2	285.1	420.4	589.2	777.8	975.3	1193.7
15°	0.0	11.6	49.1	109.1	184.8	289.4	428.7	600.7	794.2	996.3	1222.2
12.5°	0.0	11.6	49.6	110.3	186.8	292.5	435.4	611.5	809.1	1013.8	1246.0
10°	0.0	11.7	49.9	111.2	188.2	294.5	440.5	619.9	821.9	1030.2	1266.1
7.5°	0.0	11.6	50.1	111.7	189.0	295.2	444.0	625.7	831.8	1043.4	1283.4
5°	0.0	11.6	50.2	111.9	189.1	294.9	445.8	629.0	838.6	1052.9	1295.8
2.5°	0.0	11.6	50.1	111.7	188.7	293.5	445.9	629.8	842.2	1058.7	1303.3
0°	0.0	11.5	49.8	111.1	187.6	291.0	444.2	628.0	842.5	1060.7	1305.8
-2.5°	0.0	11.6	50.1	111.7	188.7	293.5	445.9	629.8	842.2	1058.7	1303.3
-5°	0.0	11.6	50.2	111.9	189.1	294.9	445.8	629.0	838.6	1052.9	1295.8
-7.5°	0.0	11.6	50.1	111.7	189.0	295.2	444.0	625.7	831.8	1043.4	1283.4
-10°	0.0	11.7	49.9	111.2	188.2	294.5	440.5	619.9	821.9	1030.2	1266.1
-12.5°	0.0	11.6	49.6	110.3	186.8	292.5	435.4	611.5	809.1	1013.8	1246.0
-15°	0.0	11.6	49.1	109.1	184.8	289.4	428.7	600.7	794.2	996.3	1222.2
-17.5°	0.0	11.5	48.4	107.5	182.2	285.1	420.4	589.2	777.8	975.3	1193.7
-20°	0.0	11.4	47.6	105.5	178.9	279.6	412.4	577.2	758.9	950.8	1160.7

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4B-730-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	11.3	46.6	103.1	175.0	272.8	406.1	563.4	737.7	922.9	1123.3
-25°	0.0	11.2	45.5	100.4	170.5	267.9	398.4	548.2	714.3	891.6	1081.6
-27.5°	0.0	11.0	44.2	97.3	165.4	263.0	389.4	531.5	688.9	858.6	1042.4
-30°	0.0	10.8	42.8	93.8	159.9	256.8	379.2	513.6	664.5	826.1	1000.1
-32.5°	0.0	10.6	41.2	89.9	156.2	249.3	367.8	498.2	640.9	791.9	954.4
-35°	0.0	10.3	39.5	85.8	151.7	240.6	356.8	482.8	616.3	756.2	905.6
-37.5°	0.0	10.0	37.6	81.2	146.2	231.8	345.0	466.3	591.0	719.0	859.4
-40°	0.0	9.7	35.6	76.3	139.8	224.2	331.6	448.8	565.1	686.6	813.7
-42.5°	0.0	9.4	33.4	71.4	133.4	215.4	316.6	430.3	542.0	652.6	764.8
-45°	0.0	9.1	31.1	66.6	127.0	205.2	300.1	410.9	519.8	616.2	714.8
-47.5°	0.0	8.7	28.7	61.3	119.8	193.8	282.1	389.7	496.6	578.2	672.2
-50°	0.0	8.3	26.1	57.2	111.8	181.1	265.9	366.7	466.7	544.6	627.7
-52.5°	0.0	7.9	23.5	53.3	103.0	167.3	248.7	342.0	433.8	509.9	582.3
-55°	0.0	7.5	20.7	49.0	93.5	154.2	229.8	316.0	399.1	474.2	542.7
-57.5°	0.0	7.0	17.8	44.4	83.3	140.5	209.4	291.0	363.5	435.3	502.1
-60°	0.0	6.6	14.8	39.4	72.5	125.7	187.9	262.0	327.4	395.1	459.7
-62.5°	0.0	6.1	13.7	34.1	64.4	110.0	167.5	230.9	290.8	354.2	415.1
-65°	0.0	5.6	12.6	28.5	55.8	93.4	145.9	199.6	252.7	310.4	369.8
-67.5°	0.0	5.1	11.5	22.6	46.8	78.2	123.1	169.6	213.3	264.7	319.1
-70°	0.0	4.5	10.3	16.5	37.3	64.6	99.2	138.8	176.9	217.5	265.0
-72.5°	0.0	4.0	9.1	13.8	27.4	50.5	79.3	107.2	139.6	174.1	210.6
-75°	0.0	3.5	7.8	11.8	17.2	35.8	59.4	80.9	101.5	129.9	160.0
-77.5°	0.0	2.9	6.6	9.9	13.2	20.7	38.9	56.4	72.9	88.7	108.4
-80°	0.0	2.3	5.3	7.9	10.6	13.2	17.8	31.8	45.1	58.0	70.3
-82.5°	0.0	1.7	4.0	6.0	7.9	9.9	11.8	13.8	17.2	27.1	36.6
-85°	0.0	1.2	2.7	4.0	5.3	6.6	7.9	9.2	10.5	11.7	12.9
-87.5°	0.0	0.6	1.3	2.0	2.7	3.3	4.0	4.6	5.2	5.9	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	7.5	8.6	9.7	10.9	11.1	11.1	11.0	10.8	11.3	11.7	12.1
85°	15.0	17.1	23.8	30.3	33.4	35.3	36.2	36.0	41.9	48.7	56.1
82.5°	46.6	56.2	65.3	74.0	76.3	76.4	75.6	75.9	89.6	105.4	121.6
80°	82.9	95.1	111.3	125.6	131.8	135.0	136.5	136.3	153.7	176.9	201.3
77.5°	131.6	152.1	169.9	185.1	193.3	200.5	206.4	210.9	233.3	262.7	291.8
75°	187.0	209.5	231.9	251.4	265.0	275.1	284.5	299.7	329.0	363.3	393.0
72.5°	245.5	274.3	299.2	320.3	339.4	359.8	382.5	407.4	438.3	472.5	503.7
70°	308.0	339.6	365.7	391.2	417.2	447.6	481.7	515.3	549.8	587.5	623.9
67.5°	369.1	399.6	430.3	462.5	501.5	542.2	582.5	628.7	676.1	718.0	755.5
65°	422.2	457.9	496.4	540.0	588.2	639.9	693.7	749.2	809.2	859.5	905.4
62.5°	472.9	515.9	562.6	617.0	678.4	739.6	808.2	877.7	945.3	1004.6	1059.4
60°	519.6	571.7	630.8	697.4	769.1	850.5	928.7	1007.7	1081.8	1148.9	1218.2
57.5°	565.1	630.6	701.5	781.4	872.1	963.6	1055.4	1140.4	1224.3	1306.1	1384.5
55°	613.2	692.1	776.4	874.6	976.8	1084.9	1183.9	1278.7	1371.2	1470.5	1564.9
52.5°	666.1	754.3	859.8	969.7	1087.7	1203.8	1312.5	1420.6	1532.3	1644.7	1767.6
50°	717.2	827.1	942.8	1070.5	1198.0	1322.5	1447.1	1571.5	1705.4	1843.2	1982.5
47.5°	776.9	896.8	1033.4	1170.4	1309.8	1448.3	1587.1	1737.5	1889.6	2049.4	2203.5
45°	837.3	972.1	1119.3	1274.2	1425.0	1578.2	1740.6	1906.8	2085.2	2261.0	2446.3
42.5°	894.5	1046.9	1209.2	1376.5	1544.1	1715.4	1893.9	2088.2	2283.1	2485.8	2689.4
40°	957.9	1118.0	1297.0	1481.3	1663.2	1853.0	2057.1	2267.5	2488.0	2710.9	2932.0
37.5°	1018.9	1194.9	1383.0	1581.3	1785.5	1994.1	2215.7	2454.5	2693.7	2933.5	3177.4
35°	1076.0	1267.7	1471.5	1682.1	1898.6	2135.9	2383.7	2638.5	2897.6	3157.1	3419.4
32.5°	1134.7	1336.4	1556.0	1781.5	2020.0	2274.5	2545.9	2822.0	3098.0	3375.1	3662.2
30°	1193.5	1408.5	1638.0	1875.4	2136.4	2413.7	2705.3	2997.8	3289.8	3594.7	3900.6
27.5°	1249.1	1476.8	1718.4	1972.5	2247.9	2542.5	2852.2	3165.6	3480.4	3804.5	4130.8
25°	1300.4	1541.6	1793.2	2066.0	2357.8	2666.5	2989.1	3316.1	3661.4	4008.2	4349.0
22.5°	1350.3	1601.1	1862.3	2152.1	2457.5	2781.6	3117.6	3462.9	3823.6	4196.1	4548.7
20°	1398.3	1657.7	1929.7	2230.1	2546.7	2885.2	3234.3	3595.9	3974.4	4356.8	4736.1
17.5°	1441.0	1708.1	1992.4	2303.1	2631.9	2980.0	3339.5	3713.0	4108.3	4504.7	4906.7
15°	1478.2	1751.9	2046.6	2366.7	2707.1	3066.1	3437.1	3821.2	4226.7	4639.5	5057.4
12.5°	1509.6	1789.0	2092.4	2420.8	2771.0	3140.0	3521.1	3918.6	4335.0	4759.4	5189.4
10°	1535.2	1819.2	2129.4	2465.1	2823.2	3201.0	3590.1	3998.9	4427.8	4861.4	5300.4
7.5°	1556.9	1844.4	2158.7	2499.2	2863.4	3248.8	3643.9	4061.5	4501.7	4940.9	5389.6
5°	1572.7	1864.9	2185.7	2527.8	2898.3	3286.2	3684.7	4106.2	4555.7	4997.5	5454.3
2.5°	1582.2	1878.1	2204.0	2546.3	2925.8	3314.2	3720.9	4145.6	4595.3	5042.5	5502.9
0°	1585.4	1884.1	2213.4	2554.2	2941.0	3327.8	3741.3	4166.4	4614.4	5070.1	5533.5
-2.5°	1582.2	1878.1	2204.0	2546.3	2925.8	3314.2	3720.9	4145.6	4595.3	5042.5	5502.9
-5°	1572.7	1864.9	2185.7	2527.8	2898.3	3286.2	3684.7	4106.2	4555.7	4997.5	5454.3
-7.5°	1556.9	1844.4	2158.7	2499.2	2863.4	3248.8	3643.9	4061.5	4501.7	4940.9	5389.6
-10°	1535.2	1819.2	2129.4	2465.1	2823.2	3201.0	3590.1	3998.9	4427.8	4861.4	5300.4
-12.5°	1509.6	1789.0	2092.4	2420.8	2771.0	3140.0	3521.1	3918.6	4335.0	4759.4	5189.4
-15°	1478.2	1751.9	2046.6	2366.7	2707.1	3066.1	3437.1	3821.2	4226.7	4639.5	5057.4
-17.5°	1441.0	1708.1	1992.4	2303.1	2631.9	2980.0	3339.5	3713.0	4108.3	4504.7	4906.7
-20°	1398.3	1657.7	1929.7	2230.1	2546.7	2885.2	3234.3	3595.9	3974.4	4356.8	4736.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-730-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°	1350.3	1601.1	1862.3	2152.1	2457.5	2781.6	3117.6	3462.9	3823.6	4196.1	4548.7
-25°	1300.4	1541.6	1793.2	2066.0	2357.8	2666.5	2989.1	3316.1	3661.4	4008.2	4349.0
-27.5°	1249.1	1476.8	1718.4	1972.5	2247.9	2542.5	2852.2	3165.6	3480.4	3804.5	4130.8
-30°	1193.5	1408.5	1638.0	1875.4	2136.4	2413.7	2705.3	2997.8	3289.8	3594.7	3900.6
-32.5°	1134.7	1336.4	1556.0	1781.5	2020.0	2274.5	2545.9	2822.0	3098.0	3375.1	3662.2
-35°	1076.0	1267.7	1471.5	1682.1	1898.6	2135.9	2383.7	2638.5	2897.6	3157.1	3419.4
-37.5°	1018.9	1194.9	1383.0	1581.3	1785.5	1994.1	2215.7	2454.5	2693.7	2933.5	3177.4
-40°	957.9	1118.0	1297.0	1481.3	1663.2	1853.0	2057.1	2267.5	2488.0	2710.9	2932.0
-42.5°	894.5	1046.9	1209.2	1376.5	1544.1	1715.4	1893.9	2088.2	2283.1	2485.8	2689.4
-45°	837.3	972.1	1119.3	1274.2	1425.0	1578.2	1740.6	1906.8	2085.2	2261.0	2446.3
-47.5°	776.9	896.8	1033.4	1170.4	1309.8	1448.3	1587.1	1737.5	1889.6	2049.4	2203.5
-50°	717.2	827.1	942.8	1070.5	1198.0	1322.5	1447.1	1571.5	1705.4	1843.2	1982.5
-52.5°	666.1	754.3	859.8	969.7	1087.7	1203.8	1312.5	1420.6	1532.3	1644.7	1767.6
-55°	613.2	692.1	776.4	874.6	976.8	1084.9	1183.9	1278.7	1371.2	1470.5	1564.9
-57.5°	565.1	630.6	701.5	781.4	872.1	963.6	1055.4	1140.4	1224.3	1306.1	1384.5
-60°	519.6	571.7	630.8	697.4	769.1	850.5	928.7	1007.7	1081.8	1148.9	1218.2
-62.5°	472.9	515.9	562.6	617.0	678.4	739.6	808.2	877.7	945.3	1004.6	1059.4
-65°	422.2	457.9	496.4	540.0	588.2	639.9	693.7	749.2	809.2	859.5	905.4
-67.5°	369.1	399.6	430.3	462.5	501.5	542.2	582.5	628.7	676.1	718.0	755.5
-70°	308.0	339.6	365.7	391.2	417.2	447.6	481.7	515.3	549.8	587.5	623.9
-72.5°	245.5	274.3	299.2	320.3	339.4	359.8	382.5	407.4	438.3	472.5	503.7
-75°	187.0	209.5	231.9	251.4	265.0	275.1	284.5	299.7	329.0	363.3	393.0
-77.5°	131.6	152.1	169.9	185.1	193.3	200.5	206.4	210.9	233.3	262.7	291.8
-80°	82.9	95.1	111.3	125.6	131.8	135.0	136.5	136.3	153.7	176.9	201.3
-82.5°	46.6	56.2	65.3	74.0	76.3	76.4	75.6	75.9	89.6	105.4	121.6
-85°	15.0	17.1	23.8	30.3	33.4	35.3	36.2	36.0	41.9	48.7	56.1
-87.5°	7.5	8.6	9.7	10.9	11.1	11.1	11.0	10.8	11.3	11.7	12.1
-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: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-730-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°	12.5	12.9	13.2	13.6	13.9	14.1	14.4	14.6	14.8	14.0	13.2
85°	64.0	68.5	72.7	76.7	80.6	84.2	87.7	90.9	93.8	85.7	76.7
82.5°	138.1	149.2	159.7	170.2	180.6	183.3	184.1	183.7	182.3	168.0	152.2
80°	225.5	244.3	262.0	279.5	296.8	298.8	296.8	293.2	288.2	269.4	248.2
77.5°	320.8	344.5	365.2	384.1	401.4	404.6	404.1	403.3	401.8	382.7	359.6
75°	418.6	441.7	464.0	483.0	498.8	506.0	509.6	512.1	513.5	499.8	481.8
72.5°	531.9	555.9	575.6	594.0	609.6	620.9	629.0	635.1	639.2	635.1	627.7
70°	654.9	680.7	702.4	723.2	744.3	761.2	774.0	783.3	789.2	793.0	795.7
67.5°	793.3	828.0	858.2	884.0	909.5	933.5	953.1	969.2	981.6	992.2	1000.3
65°	949.4	993.6	1032.9	1068.9	1101.9	1136.7	1165.2	1189.1	1208.3	1224.2	1237.0
62.5°	1113.4	1167.6	1218.0	1266.9	1314.8	1362.0	1398.2	1431.2	1460.5	1485.7	1505.7
60°	1283.8	1345.5	1413.1	1477.6	1537.0	1591.3	1645.2	1691.9	1731.8	1765.0	1791.7
57.5°	1467.0	1546.8	1625.9	1706.0	1781.8	1852.6	1919.0	1977.6	2027.0	2067.6	2101.7
55°	1664.9	1764.7	1856.4	1957.5	2055.2	2144.2	2222.6	2291.4	2350.9	2400.8	2443.1
52.5°	1882.4	2003.8	2122.9	2237.9	2348.9	2452.1	2545.9	2626.0	2697.3	2758.5	2807.2
50°	2120.5	2259.4	2397.4	2525.4	2652.8	2771.8	2879.3	2972.3	3055.3	3127.1	3183.7
47.5°	2369.5	2527.5	2681.7	2828.2	2969.3	3101.5	3217.9	3323.9	3427.4	3511.7	3578.5
45°	2628.1	2805.3	2975.4	3142.9	3298.3	3446.4	3590.0	3722.0	3828.2	3921.2	3999.2
42.5°	2889.8	3087.5	3278.0	3460.7	3631.5	3802.9	3964.4	4108.8	4229.8	4335.5	4424.2
40°	3154.9	3371.4	3581.2	3780.4	3975.7	4162.5	4337.3	4489.5	4626.0	4751.5	4856.1
37.5°	3418.7	3656.8	3889.3	4112.5	4327.5	4529.9	4718.7	4890.7	5044.7	5187.7	5303.8
35°	3683.6	3944.9	4199.4	4445.0	4679.9	4903.2	5109.9	5305.6	5487.1	5632.0	5750.8
32.5°	3947.5	4228.4	4505.4	4775.8	5032.8	5273.6	5497.5	5713.8	5900.6	6059.8	6196.4
30°	4202.9	4507.2	4808.8	5102.0	5379.7	5640.6	5888.5	6117.2	6318.1	6492.2	6645.4
27.5°	4453.5	4780.4	5104.0	5417.3	5717.5	6001.0	6271.6	6519.6	6738.8	6928.0	7089.5
25°	4690.3	5041.7	5386.6	5718.8	6039.5	6352.2	6644.4	6915.0	7149.1	7356.9	7522.9
22.5°	4916.6	5291.4	5653.8	6003.2	6346.2	6683.2	7003.1	7285.7	7533.9	7751.0	7934.8
20°	5127.5	5529.0	5899.8	6269.3	6630.6	6990.5	7334.0	7632.2	7894.7	8125.9	8328.4
17.5°	5324.5	5736.4	6126.8	6520.2	6901.0	7278.6	7627.6	7947.2	8230.5	8475.9	8687.9
15°	5491.4	5907.3	6333.7	6753.7	7155.3	7537.7	7886.2	8220.1	8534.6	8800.1	9015.1
12.5°	5626.4	6059.0	6503.8	6949.7	7374.4	7756.2	8121.2	8459.9	8790.2	9088.4	9286.1
10°	5741.6	6187.0	6646.2	7100.9	7531.3	7935.3	8332.1	8690.1	9014.8	9281.8	9502.5
7.5°	5841.1	6300.0	6766.3	7221.8	7650.7	8068.2	8476.7	8856.9	9184.6	9436.2	9633.1
5°	5914.5	6384.3	6859.7	7319.3	7754.3	8173.0	8583.4	8958.9	9278.8	9534.8	9749.5
2.5°	5967.1	6441.2	6920.0	7380.3	7824.9	8244.7	8665.3	9045.0	9354.8	9589.4	9795.0
0°	6000.7	6475.5	6958.0	7429.1	7865.6	8271.5	8723.4	9079.5	9401.2	9634.8	9849.2
-2.5°	5967.1	6441.2	6920.0	7380.3	7824.9	8244.7	8665.3	9045.0	9354.8	9589.4	9795.0
-5°	5914.5	6384.3	6859.7	7319.3	7754.3	8173.0	8583.4	8958.9	9278.8	9534.8	9749.5
-7.5°	5841.1	6300.0	6766.3	7221.8	7650.7	8068.2	8476.7	8856.9	9184.6	9436.2	9633.1
-10°	5741.6	6187.0	6646.2	7100.9	7531.3	7935.3	8332.1	8690.1	9014.8	9281.8	9502.5
-12.5°	5626.4	6059.0	6503.8	6949.7	7374.4	7756.2	8121.2	8459.9	8790.2	9088.4	9286.1
-15°	5491.4	5907.3	6333.7	6753.7	7155.3	7537.7	7886.2	8220.1	8534.6	8800.1	9015.1
-17.5°	5324.5	5736.4	6126.8	6520.2	6901.0	7278.6	7627.6	7947.2	8230.5	8475.9	8687.9
-20°	5127.5	5529.0	5899.8	6269.3	6630.6	6990.5	7334.0	7632.2	7894.7	8125.9	8328.4



REPORT NUMBER: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4916.6	5291.4	5653.8	6003.2	6346.2	6683.2	7003.1	7285.7	7533.9	7751.0	7934.8
-25°	4690.3	5041.7	5386.6	5718.8	6039.5	6352.2	6644.4	6915.0	7149.1	7356.9	7522.9
-27.5°	4453.5	4780.4	5104.0	5417.3	5717.5	6001.0	6271.6	6519.6	6738.8	6928.0	7089.5
-30°	4202.9	4507.2	4808.8	5102.0	5379.7	5640.6	5888.5	6117.2	6318.1	6492.2	6645.4
-32.5°	3947.5	4228.4	4505.4	4775.8	5032.8	5273.6	5497.5	5713.8	5900.6	6059.8	6196.4
-35°	3683.6	3944.9	4199.4	4445.0	4679.9	4903.2	5109.9	5305.6	5487.1	5632.0	5750.8
-37.5°	3418.7	3656.8	3889.3	4112.5	4327.5	4529.9	4718.7	4890.7	5044.7	5187.7	5303.8
-40°	3154.9	3371.4	3581.2	3780.4	3975.7	4162.5	4337.3	4489.5	4626.0	4751.5	4856.1
-42.5°	2889.8	3087.5	3278.0	3460.7	3631.5	3802.9	3964.4	4108.8	4229.8	4335.5	4424.2
-45°	2628.1	2805.3	2975.4	3142.9	3298.3	3446.4	3590.0	3722.0	3828.2	3921.2	3999.2
-47.5°	2369.5	2527.5	2681.7	2828.2	2969.3	3101.5	3217.9	3323.9	3427.4	3511.7	3578.5
-50°	2120.5	2259.4	2397.4	2525.4	2652.8	2771.8	2879.3	2972.3	3055.3	3127.1	3183.7
-52.5°	1882.4	2003.8	2122.9	2237.9	2348.9	2452.1	2545.9	2626.0	2697.3	2758.5	2807.2
-55°	1664.9	1764.7	1856.4	1957.5	2055.2	2144.2	2222.6	2291.4	2350.9	2400.8	2443.1
-57.5°	1467.0	1546.8	1625.9	1706.0	1781.8	1852.6	1919.0	1977.6	2027.0	2067.6	2101.7
-60°	1283.8	1345.5	1413.1	1477.6	1537.0	1591.3	1645.2	1691.9	1731.8	1765.0	1791.7
-62.5°	1113.4	1167.6	1218.0	1266.9	1314.8	1362.0	1398.2	1431.2	1460.5	1485.7	1505.7
-65°	949.4	993.6	1032.9	1068.9	1101.9	1136.7	1165.2	1189.1	1208.3	1224.2	1237.0
-67.5°	793.3	828.0	858.2	884.0	909.5	933.5	953.1	969.2	981.6	992.2	1000.3
-70°	654.9	680.7	702.4	723.2	744.3	761.2	774.0	783.3	789.2	793.0	795.7
-72.5°	531.9	555.9	575.6	594.0	609.6	620.9	629.0	635.1	639.2	635.1	627.7
-75°	418.6	441.7	464.0	483.0	498.8	506.0	509.6	512.1	513.5	499.8	481.8
-77.5°	320.8	344.5	365.2	384.1	401.4	404.6	404.1	403.3	401.8	382.7	359.6
-80°	225.5	244.3	262.0	279.5	296.8	298.8	296.8	293.2	288.2	269.4	248.2
-82.5°	138.1	149.2	159.7	170.2	180.6	183.3	184.1	183.7	182.3	168.0	152.2
-85°	64.0	68.5	72.7	76.7	80.6	84.2	87.7	90.9	93.8	85.7	76.7
-87.5°	12.5	12.9	13.2	13.6	13.9	14.1	14.4	14.6	14.8	14.0	13.2
-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: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-730-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°	12.3	11.5	11.5	11.5	11.5	11.5	12.3	13.2	14.0	14.8	14.6
85°	67.1	57.1	53.5	49.8	53.5	57.1	67.1	76.7	85.7	93.8	90.9
82.5°	135.6	118.3	112.8	107.2	112.8	118.3	135.6	152.2	168.0	182.3	183.7
80°	225.9	202.5	193.2	183.8	193.2	202.5	225.9	248.2	269.4	288.2	293.2
77.5°	335.2	309.5	298.5	287.2	298.5	309.5	335.2	359.6	382.7	401.8	403.3
75°	462.8	442.7	430.5	417.4	430.5	442.7	462.8	481.8	499.8	513.5	512.1
72.5°	619.3	609.5	600.6	589.7	600.6	609.5	619.3	627.7	635.1	639.2	635.1
70°	796.6	795.4	797.0	796.5	797.0	795.4	796.6	795.7	793.0	789.2	783.3
67.5°	1004.5	1004.8	1009.1	1011.0	1009.1	1004.8	1004.5	1000.3	992.2	981.6	969.2
65°	1244.9	1247.8	1246.7	1240.7	1246.7	1247.8	1244.9	1237.0	1224.2	1208.3	1189.1
62.5°	1520.0	1528.3	1532.8	1531.8	1532.8	1528.3	1520.0	1505.7	1485.7	1460.5	1431.2
60°	1811.6	1824.6	1831.1	1830.5	1831.1	1824.6	1811.6	1791.7	1765.0	1731.8	1691.9
57.5°	2127.1	2143.7	2147.6	2140.6	2147.6	2143.7	2127.1	2101.7	2067.6	2027.0	1977.6
55°	2475.0	2496.3	2504.5	2500.6	2504.5	2496.3	2475.0	2443.1	2400.8	2350.9	2291.4
52.5°	2843.0	2866.0	2874.1	2868.2	2874.1	2866.0	2843.0	2807.2	2758.5	2697.3	2626.0
50°	3225.2	3253.0	3264.2	3258.8	3264.2	3253.0	3225.2	3183.7	3127.1	3055.3	2972.3
47.5°	3630.7	3667.8	3682.2	3672.4	3682.2	3667.8	3630.7	3578.5	3511.7	3427.4	3323.9
45°	4057.6	4096.0	4110.9	4101.3	4110.9	4096.0	4057.6	3999.2	3921.2	3828.2	3722.0
42.5°	4492.0	4542.0	4563.1	4545.5	4563.1	4542.0	4492.0	4424.2	4335.5	4229.8	4108.8
40°	4934.1	4988.3	5013.3	5001.2	5013.3	4988.3	4934.1	4856.1	4751.5	4626.0	4489.5
37.5°	5387.6	5441.5	5468.0	5468.4	5468.0	5441.5	5387.6	5303.8	5187.7	5044.7	4890.7
35°	5842.8	5908.1	5945.0	5943.2	5945.0	5908.1	5842.8	5750.8	5632.0	5487.1	5305.6
32.5°	6304.4	6375.0	6412.8	6418.1	6412.8	6375.0	6304.4	6196.4	6059.8	5900.6	5713.8
30°	6765.1	6842.8	6886.5	6904.4	6886.5	6842.8	6765.1	6645.4	6492.2	6318.1	6117.2
27.5°	7212.0	7307.6	7373.5	7379.3	7373.5	7307.6	7212.0	7089.5	6928.0	6738.8	6519.6
25°	7644.7	7742.0	7809.7	7823.5	7809.7	7742.0	7644.7	7522.9	7356.9	7149.1	6915.0
22.5°	8071.2	8173.0	8235.4	8260.0	8235.4	8173.0	8071.2	7934.8	7751.0	7533.9	7285.7
20°	8478.4	8588.6	8654.9	8681.3	8654.9	8588.6	8478.4	8328.4	8125.9	7894.7	7632.2
17.5°	8846.7	8963.2	9045.0	9068.0	9045.0	8963.2	8846.7	8687.9	8475.9	8230.5	7947.2
15°	9170.9	9281.4	9359.0	9389.7	9359.0	9281.4	9170.9	9015.1	8800.1	8534.6	8220.1
12.5°	9434.7	9533.6	9594.4	9623.3	9594.4	9533.6	9434.7	9286.1	9088.4	8790.2	8459.9
10°	9640.9	9740.1	9798.1	9837.8	9798.1	9740.1	9640.9	9502.5	9281.8	9014.8	8690.1
7.5°	9819.8	9921.4	9992.5	10048.4	9992.5	9921.4	9819.8	9633.1	9436.2	9184.6	8856.9
5°	9918.6	10088.2	10113.7	10151.8	10113.7	10088.2	9918.6	9749.5	9534.8	9278.8	8958.9
2.5°	9993.9	10114.2	10186.5	10178.6	10186.5	10114.2	9993.9	9795.0	9589.4	9354.8	9045.0
0°	10048.4	10155.6	10182.4	10216.9	10182.4	10155.6	10048.4	9849.2	9634.8	9401.2	9079.5
-2.5°	9993.9	10114.2	10186.5	10178.6	10186.5	10114.2	9993.9	9795.0	9589.4	9354.8	9045.0
-5°	9918.6	10088.2	10113.7	10151.8	10113.7	10088.2	9918.6	9749.5	9534.8	9278.8	8958.9
-7.5°	9819.8	9921.4	9992.5	10048.4	9992.5	9921.4	9819.8	9633.1	9436.2	9184.6	8856.9
-10°	9640.9	9740.1	9798.1	9837.8	9798.1	9740.1	9640.9	9502.5	9281.8	9014.8	8690.1
-12.5°	9434.7	9533.6	9594.4	9623.3	9594.4	9533.6	9434.7	9286.1	9088.4	8790.2	8459.9
-15°	9170.9	9281.4	9359.0	9389.7	9359.0	9281.4	9170.9	9015.1	8800.1	8534.6	8220.1
-17.5°	8846.7	8963.2	9045.0	9068.0	9045.0	8963.2	8846.7	8687.9	8475.9	8230.5	7947.2
-20°	8478.4	8588.6	8654.9	8681.3	8654.9	8588.6	8478.4	8328.4	8125.9	7894.7	7632.2



REPORT NUMBER: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-730-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°	8071.2	8173.0	8235.4	8260.0	8235.4	8173.0	8071.2	7934.8	7751.0	7533.9	7285.7
-25°	7644.7	7742.0	7809.7	7823.5	7809.7	7742.0	7644.7	7522.9	7356.9	7149.1	6915.0
-27.5°	7212.0	7307.6	7373.5	7379.3	7373.5	7307.6	7212.0	7089.5	6928.0	6738.8	6519.6
-30°	6765.1	6842.8	6886.5	6904.4	6886.5	6842.8	6765.1	6645.4	6492.2	6318.1	6117.2
-32.5°	6304.4	6375.0	6412.8	6418.1	6412.8	6375.0	6304.4	6196.4	6059.8	5900.6	5713.8
-35°	5842.8	5908.1	5945.0	5943.2	5945.0	5908.1	5842.8	5750.8	5632.0	5487.1	5305.6
-37.5°	5387.6	5441.5	5468.0	5468.4	5468.0	5441.5	5387.6	5303.8	5187.7	5044.7	4890.7
-40°	4934.1	4988.3	5013.3	5001.2	5013.3	4988.3	4934.1	4856.1	4751.5	4626.0	4489.5
-42.5°	4492.0	4542.0	4563.1	4545.5	4563.1	4542.0	4492.0	4424.2	4335.5	4229.8	4108.8
-45°	4057.6	4096.0	4110.9	4101.3	4110.9	4096.0	4057.6	3999.2	3921.2	3828.2	3722.0
-47.5°	3630.7	3667.8	3682.2	3672.4	3682.2	3667.8	3630.7	3578.5	3511.7	3427.4	3323.9
-50°	3225.2	3253.0	3264.2	3258.8	3264.2	3253.0	3225.2	3183.7	3127.1	3055.3	2972.3
-52.5°	2843.0	2866.0	2874.1	2868.2	2874.1	2866.0	2843.0	2807.2	2758.5	2697.3	2626.0
-55°	2475.0	2496.3	2504.5	2500.6	2504.5	2496.3	2475.0	2443.1	2400.8	2350.9	2291.4
-57.5°	2127.1	2143.7	2147.6	2140.6	2147.6	2143.7	2127.1	2101.7	2067.6	2027.0	1977.6
-60°	1811.6	1824.6	1831.1	1830.5	1831.1	1824.6	1811.6	1791.7	1765.0	1731.8	1691.9
-62.5°	1520.0	1528.3	1532.8	1531.8	1532.8	1528.3	1520.0	1505.7	1485.7	1460.5	1431.2
-65°	1244.9	1247.8	1246.7	1240.7	1246.7	1247.8	1244.9	1237.0	1224.2	1208.3	1189.1
-67.5°	1004.5	1004.8	1009.1	1011.0	1009.1	1004.8	1004.5	1000.3	992.2	981.6	969.2
-70°	796.6	795.4	797.0	796.5	797.0	795.4	796.6	795.7	793.0	789.2	783.3
-72.5°	619.3	609.5	600.6	589.7	600.6	609.5	619.3	627.7	635.1	639.2	635.1
-75°	462.8	442.7	430.5	417.4	430.5	442.7	462.8	481.8	499.8	513.5	512.1
-77.5°	335.2	309.5	298.5	287.2	298.5	309.5	335.2	359.6	382.7	401.8	403.3
-80°	225.9	202.5	193.2	183.8	193.2	202.5	225.9	248.2	269.4	288.2	293.2
-82.5°	135.6	118.3	112.8	107.2	112.8	118.3	135.6	152.2	168.0	182.3	183.7
-85°	67.1	57.1	53.5	49.8	53.5	57.1	67.1	76.7	85.7	93.8	90.9
-87.5°	12.3	11.5	11.5	11.5	11.5	11.5	12.3	13.2	14.0	14.8	14.6
-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: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-730-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°	14.4	14.1	13.9	13.6	13.2	12.9	12.5	12.1	11.7	11.3	10.8
85°	87.7	84.2	80.6	76.7	72.7	68.5	64.0	56.1	48.7	41.9	36.0
82.5°	184.1	183.3	180.6	170.2	159.7	149.2	138.1	121.6	105.4	89.6	75.9
80°	296.8	298.8	296.8	279.5	262.0	244.3	225.5	201.3	176.9	153.7	136.3
77.5°	404.1	404.6	401.4	384.1	365.2	344.5	320.8	291.8	262.7	233.3	210.9
75°	509.6	506.0	498.8	483.0	464.0	441.7	418.6	393.0	363.3	329.0	299.7
72.5°	629.0	620.9	609.6	594.0	575.6	555.9	531.9	503.7	472.5	438.3	407.4
70°	774.0	761.2	744.3	723.2	702.4	680.7	654.9	623.9	587.5	549.8	515.3
67.5°	953.1	933.5	909.5	884.0	858.2	828.0	793.3	755.5	718.0	676.1	628.7
65°	1165.2	1136.7	1101.9	1068.9	1032.9	993.6	949.4	905.4	859.5	809.2	749.2
62.5°	1398.2	1362.0	1314.8	1266.9	1218.0	1167.6	1113.4	1059.4	1004.6	945.3	877.7
60°	1645.2	1591.3	1537.0	1477.6	1413.1	1345.5	1283.8	1218.2	1148.9	1081.8	1007.7
57.5°	1919.0	1852.6	1781.8	1706.0	1625.9	1546.8	1467.0	1384.5	1306.1	1224.3	1140.4
55°	2222.6	2144.2	2055.2	1957.5	1856.4	1764.7	1664.9	1564.9	1470.5	1371.2	1278.7
52.5°	2545.9	2452.1	2348.9	2237.9	2122.9	2003.8	1882.4	1767.6	1644.7	1532.3	1420.6
50°	2879.3	2771.8	2652.8	2525.4	2397.4	2259.4	2120.5	1982.5	1843.2	1705.4	1571.5
47.5°	3217.9	3101.5	2969.3	2828.2	2681.7	2527.5	2369.5	2203.5	2049.4	1889.6	1737.5
45°	3590.0	3446.4	3298.3	3142.9	2975.4	2805.3	2628.1	2446.3	2261.0	2085.2	1906.8
42.5°	3964.4	3802.9	3631.5	3460.7	3278.0	3087.5	2889.8	2689.4	2485.8	2283.1	2088.2
40°	4337.3	4162.5	3975.7	3780.4	3581.2	3371.4	3154.9	2932.0	2710.9	2488.0	2267.5
37.5°	4718.7	4529.9	4327.5	4112.5	3889.3	3656.8	3418.7	3177.4	2933.5	2693.7	2454.5
35°	5109.9	4903.2	4679.9	4445.0	4199.4	3944.9	3683.6	3419.4	3157.1	2897.6	2638.5
32.5°	5497.5	5273.6	5032.8	4775.8	4505.4	4228.4	3947.5	3662.2	3375.1	3098.0	2822.0
30°	5888.5	5640.6	5379.7	5102.0	4808.8	4507.2	4202.9	3900.6	3594.7	3289.8	2997.8
27.5°	6271.6	6001.0	5717.5	5417.3	5104.0	4780.4	4453.5	4130.8	3804.5	3480.4	3165.6
25°	6644.4	6352.2	6039.5	5718.8	5386.6	5041.7	4690.3	4349.0	4008.2	3661.4	3316.1
22.5°	7003.1	6683.2	6346.2	6003.2	5653.8	5291.4	4916.6	4548.7	4196.1	3823.6	3462.9
20°	7334.0	6990.5	6630.6	6269.3	5899.8	5529.0	5127.5	4736.1	4356.8	3974.4	3595.9
17.5°	7627.6	7278.6	6901.0	6520.2	6126.8	5736.4	5324.5	4906.7	4504.7	4108.3	3713.0
15°	7886.2	7537.7	7155.3	6753.7	6333.7	5907.3	5491.4	5057.4	4639.5	4226.7	3821.2
12.5°	8121.2	7756.2	7374.4	6949.7	6503.8	6059.0	5626.4	5189.4	4759.4	4335.0	3918.6
10°	8332.1	7935.3	7531.3	7100.9	6646.2	6187.0	5741.6	5300.4	4861.4	4427.8	3998.9
7.5°	8476.7	8068.2	7650.7	7221.8	6766.3	6300.0	5841.1	5389.6	4940.9	4501.7	4061.5
5°	8583.4	8173.0	7754.3	7319.3	6859.7	6384.3	5914.5	5454.3	4997.5	4555.7	4106.2
2.5°	8665.3	8244.7	7824.9	7380.3	6920.0	6441.2	5967.1	5502.9	5042.5	4595.3	4145.6
0°	8723.4	8271.5	7865.6	7429.1	6958.0	6475.5	6000.7	5533.5	5070.1	4614.4	4166.4
-2.5°	8665.3	8244.7	7824.9	7380.3	6920.0	6441.2	5967.1	5502.9	5042.5	4595.3	4145.6
-5°	8583.4	8173.0	7754.3	7319.3	6859.7	6384.3	5914.5	5454.3	4997.5	4555.7	4106.2
-7.5°	8476.7	8068.2	7650.7	7221.8	6766.3	6300.0	5841.1	5389.6	4940.9	4501.7	4061.5
-10°	8332.1	7935.3	7531.3	7100.9	6646.2	6187.0	5741.6	5300.4	4861.4	4427.8	3998.9
-12.5°	8121.2	7756.2	7374.4	6949.7	6503.8	6059.0	5626.4	5189.4	4759.4	4335.0	3918.6
-15°	7886.2	7537.7	7155.3	6753.7	6333.7	5907.3	5491.4	5057.4	4639.5	4226.7	3821.2
-17.5°	7627.6	7278.6	6901.0	6520.2	6126.8	5736.4	5324.5	4906.7	4504.7	4108.3	3713.0
-20°	7334.0	6990.5	6630.6	6269.3	5899.8	5529.0	5127.5	4736.1	4356.8	3974.4	3595.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7003.1	6683.2	6346.2	6003.2	5653.8	5291.4	4916.6	4548.7	4196.1	3823.6	3462.9
-25°	6644.4	6352.2	6039.5	5718.8	5386.6	5041.7	4690.3	4349.0	4008.2	3661.4	3316.1
-27.5°	6271.6	6001.0	5717.5	5417.3	5104.0	4780.4	4453.5	4130.8	3804.5	3480.4	3165.6
-30°	5888.5	5640.6	5379.7	5102.0	4808.8	4507.2	4202.9	3900.6	3594.7	3289.8	2997.8
-32.5°	5497.5	5273.6	5032.8	4775.8	4505.4	4228.4	3947.5	3662.2	3375.1	3098.0	2822.0
-35°	5109.9	4903.2	4679.9	4445.0	4199.4	3944.9	3683.6	3419.4	3157.1	2897.6	2638.5
-37.5°	4718.7	4529.9	4327.5	4112.5	3889.3	3656.8	3418.7	3177.4	2933.5	2693.7	2454.5
-40°	4337.3	4162.5	3975.7	3780.4	3581.2	3371.4	3154.9	2932.0	2710.9	2488.0	2267.5
-42.5°	3964.4	3802.9	3631.5	3460.7	3278.0	3087.5	2889.8	2689.4	2485.8	2283.1	2088.2
-45°	3590.0	3446.4	3298.3	3142.9	2975.4	2805.3	2628.1	2446.3	2261.0	2085.2	1906.8
-47.5°	3217.9	3101.5	2969.3	2828.2	2681.7	2527.5	2369.5	2203.5	2049.4	1889.6	1737.5
-50°	2879.3	2771.8	2652.8	2525.4	2397.4	2259.4	2120.5	1982.5	1843.2	1705.4	1571.5
-52.5°	2545.9	2452.1	2348.9	2237.9	2122.9	2003.8	1882.4	1767.6	1644.7	1532.3	1420.6
-55°	2222.6	2144.2	2055.2	1957.5	1856.4	1764.7	1664.9	1564.9	1470.5	1371.2	1278.7
-57.5°	1919.0	1852.6	1781.8	1706.0	1625.9	1546.8	1467.0	1384.5	1306.1	1224.3	1140.4
-60°	1645.2	1591.3	1537.0	1477.6	1413.1	1345.5	1283.8	1218.2	1148.9	1081.8	1007.7
-62.5°	1398.2	1362.0	1314.8	1266.9	1218.0	1167.6	1113.4	1059.4	1004.6	945.3	877.7
-65°	1165.2	1136.7	1101.9	1068.9	1032.9	993.6	949.4	905.4	859.5	809.2	749.2
-67.5°	953.1	933.5	909.5	884.0	858.2	828.0	793.3	755.5	718.0	676.1	628.7
-70°	774.0	761.2	744.3	723.2	702.4	680.7	654.9	623.9	587.5	549.8	515.3
-72.5°	629.0	620.9	609.6	594.0	575.6	555.9	531.9	503.7	472.5	438.3	407.4
-75°	509.6	506.0	498.8	483.0	464.0	441.7	418.6	393.0	363.3	329.0	299.7
-77.5°	404.1	404.6	401.4	384.1	365.2	344.5	320.8	291.8	262.7	233.3	210.9
-80°	296.8	298.8	296.8	279.5	262.0	244.3	225.5	201.3	176.9	153.7	136.3
-82.5°	184.1	183.3	180.6	170.2	159.7	149.2	138.1	121.6	105.4	89.6	75.9
-85°	87.7	84.2	80.6	76.7	72.7	68.5	64.0	56.1	48.7	41.9	36.0
-87.5°	14.4	14.1	13.9	13.6	13.2	12.9	12.5	12.1	11.7	11.3	10.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4B-730-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°	11.0	11.1	11.1	10.9	9.7	8.6	7.5	6.5	5.9	5.2	4.6
85°	36.2	35.3	33.4	30.3	23.8	17.1	15.0	12.9	11.7	10.5	9.2
82.5°	75.6	76.4	76.3	74.0	65.3	56.2	46.6	36.6	27.1	17.2	13.8
80°	136.5	135.0	131.8	125.6	111.3	95.1	82.9	70.3	58.0	45.1	31.8
77.5°	206.4	200.5	193.3	185.1	169.9	152.1	131.6	108.4	88.7	72.9	56.4
75°	284.5	275.1	265.0	251.4	231.9	209.5	187.0	160.0	129.9	101.5	80.9
72.5°	382.5	359.8	339.4	320.3	299.2	274.3	245.5	210.6	174.1	139.6	107.2
70°	481.7	447.6	417.2	391.2	365.7	339.6	308.0	265.0	217.5	176.9	138.8
67.5°	582.5	542.2	501.5	462.5	430.3	399.6	369.1	319.1	264.7	213.3	169.6
65°	693.7	639.9	588.2	540.0	496.4	457.9	422.2	369.8	310.4	252.7	199.6
62.5°	808.2	739.6	678.4	617.0	562.6	515.9	472.9	415.1	354.2	290.8	230.9
60°	928.7	850.5	769.1	697.4	630.8	571.7	519.6	459.7	395.1	327.4	262.0
57.5°	1055.4	963.6	872.1	781.4	701.5	630.6	565.1	502.1	435.3	363.5	291.0
55°	1183.9	1084.9	976.8	874.6	776.4	692.1	613.2	542.7	474.2	399.1	316.0
52.5°	1312.5	1203.8	1087.7	969.7	859.8	754.3	666.1	582.3	509.9	433.8	342.0
50°	1447.1	1322.5	1198.0	1070.5	942.8	827.1	717.2	627.7	544.6	466.7	366.7
47.5°	1587.1	1448.3	1309.8	1170.4	1033.4	896.8	776.9	672.2	578.2	496.6	389.7
45°	1740.6	1578.2	1425.0	1274.2	1119.3	972.1	837.3	714.8	616.2	519.8	410.9
42.5°	1893.9	1715.4	1544.1	1376.5	1209.2	1046.9	894.5	764.8	652.6	542.0	430.3
40°	2057.1	1853.0	1663.2	1481.3	1297.0	1118.0	957.9	813.7	686.6	565.1	448.8
37.5°	2215.7	1994.1	1785.5	1581.3	1383.0	1194.9	1018.9	859.4	719.0	591.0	466.3
35°	2383.7	2135.9	1898.6	1682.1	1471.5	1267.7	1076.0	905.6	756.2	616.3	482.8
32.5°	2545.9	2274.5	2020.0	1781.5	1556.0	1336.4	1134.7	954.4	791.9	640.9	498.2
30°	2705.3	2413.7	2136.4	1875.4	1638.0	1408.5	1193.5	1000.1	826.1	664.5	513.6
27.5°	2852.2	2542.5	2247.9	1972.5	1718.4	1476.8	1249.1	1042.4	858.6	688.9	531.5
25°	2989.1	2666.5	2357.8	2066.0	1793.2	1541.6	1300.4	1081.6	891.6	714.3	548.2
22.5°	3117.6	2781.6	2457.5	2152.1	1862.3	1601.1	1350.3	1123.3	922.9	737.7	563.4
20°	3234.3	2885.2	2546.7	2230.1	1929.7	1657.7	1398.3	1160.7	950.8	758.9	577.2
17.5°	3339.5	2980.0	2631.9	2303.1	1992.4	1708.1	1441.0	1193.7	975.3	777.8	589.2
15°	3437.1	3066.1	2707.1	2366.7	2046.6	1751.9	1478.2	1222.2	996.3	794.2	600.7
12.5°	3521.1	3140.0	2771.0	2420.8	2092.4	1789.0	1509.6	1246.0	1013.8	809.1	611.5
10°	3590.1	3201.0	2823.2	2465.1	2129.4	1819.2	1535.2	1266.1	1030.2	821.9	619.9
7.5°	3643.9	3248.8	2863.4	2499.2	2158.7	1844.4	1556.9	1283.4	1043.4	831.8	625.7
5°	3684.7	3286.2	2898.3	2527.8	2185.7	1864.9	1572.7	1295.8	1052.9	838.6	629.0
2.5°	3720.9	3314.2	2925.8	2546.3	2204.0	1878.1	1582.2	1303.3	1058.7	842.2	629.8
0°	3741.3	3327.8	2941.0	2554.2	2213.4	1884.1	1585.4	1305.8	1060.7	842.5	628.0
-2.5°	3720.9	3314.2	2925.8	2546.3	2204.0	1878.1	1582.2	1303.3	1058.7	842.2	629.8
-5°	3684.7	3286.2	2898.3	2527.8	2185.7	1864.9	1572.7	1295.8	1052.9	838.6	629.0
-7.5°	3643.9	3248.8	2863.4	2499.2	2158.7	1844.4	1556.9	1283.4	1043.4	831.8	625.7
-10°	3590.1	3201.0	2823.2	2465.1	2129.4	1819.2	1535.2	1266.1	1030.2	821.9	619.9
-12.5°	3521.1	3140.0	2771.0	2420.8	2092.4	1789.0	1509.6	1246.0	1013.8	809.1	611.5
-15°	3437.1	3066.1	2707.1	2366.7	2046.6	1751.9	1478.2	1222.2	996.3	794.2	600.7
-17.5°	3339.5	2980.0	2631.9	2303.1	1992.4	1708.1	1441.0	1193.7	975.3	777.8	589.2
-20°	3234.3	2885.2	2546.7	2230.1	1929.7	1657.7	1398.3	1160.7	950.8	758.9	577.2



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CATALOG NUMBER: GFLD-SA4B-730-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°	3117.6	2781.6	2457.5	2152.1	1862.3	1601.1	1350.3	1123.3	922.9	737.7	563.4
-25°	2989.1	2666.5	2357.8	2066.0	1793.2	1541.6	1300.4	1081.6	891.6	714.3	548.2
-27.5°	2852.2	2542.5	2247.9	1972.5	1718.4	1476.8	1249.1	1042.4	858.6	688.9	531.5
-30°	2705.3	2413.7	2136.4	1875.4	1638.0	1408.5	1193.5	1000.1	826.1	664.5	513.6
-32.5°	2545.9	2274.5	2020.0	1781.5	1556.0	1336.4	1134.7	954.4	791.9	640.9	498.2
-35°	2383.7	2135.9	1898.6	1682.1	1471.5	1267.7	1076.0	905.6	756.2	616.3	482.8
-37.5°	2215.7	1994.1	1785.5	1581.3	1383.0	1194.9	1018.9	859.4	719.0	591.0	466.3
-40°	2057.1	1853.0	1663.2	1481.3	1297.0	1118.0	957.9	813.7	686.6	565.1	448.8
-42.5°	1893.9	1715.4	1544.1	1376.5	1209.2	1046.9	894.5	764.8	652.6	542.0	430.3
-45°	1740.6	1578.2	1425.0	1274.2	1119.3	972.1	837.3	714.8	616.2	519.8	410.9
-47.5°	1587.1	1448.3	1309.8	1170.4	1033.4	896.8	776.9	672.2	578.2	496.6	389.7
-50°	1447.1	1322.5	1198.0	1070.5	942.8	827.1	717.2	627.7	544.6	466.7	366.7
-52.5°	1312.5	1203.8	1087.7	969.7	859.8	754.3	666.1	582.3	509.9	433.8	342.0
-55°	1183.9	1084.9	976.8	874.6	776.4	692.1	613.2	542.7	474.2	399.1	316.0
-57.5°	1055.4	963.6	872.1	781.4	701.5	630.6	565.1	502.1	435.3	363.5	291.0
-60°	928.7	850.5	769.1	697.4	630.8	571.7	519.6	459.7	395.1	327.4	262.0
-62.5°	808.2	739.6	678.4	617.0	562.6	515.9	472.9	415.1	354.2	290.8	230.9
-65°	693.7	639.9	588.2	540.0	496.4	457.9	422.2	369.8	310.4	252.7	199.6
-67.5°	582.5	542.2	501.5	462.5	430.3	399.6	369.1	319.1	264.7	213.3	169.6
-70°	481.7	447.6	417.2	391.2	365.7	339.6	308.0	265.0	217.5	176.9	138.8
-72.5°	382.5	359.8	339.4	320.3	299.2	274.3	245.5	210.6	174.1	139.6	107.2
-75°	284.5	275.1	265.0	251.4	231.9	209.5	187.0	160.0	129.9	101.5	80.9
-77.5°	206.4	200.5	193.3	185.1	169.9	152.1	131.6	108.4	88.7	72.9	56.4
-80°	136.5	135.0	131.8	125.6	111.3	95.1	82.9	70.3	58.0	45.1	31.8
-82.5°	75.6	76.4	76.3	74.0	65.3	56.2	46.6	36.6	27.1	17.2	13.8
-85°	36.2	35.3	33.4	30.3	23.8	17.1	15.0	12.9	11.7	10.5	9.2
-87.5°	11.0	11.1	11.1	10.9	9.7	8.6	7.5	6.5	5.9	5.2	4.6
-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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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°	4.0	3.3	2.7	2.0	1.3	0.6	0.0
85°	7.9	6.6	5.3	4.0	2.7	1.2	0.0
82.5°	11.8	9.9	7.9	6.0	4.0	1.7	0.0
80°	17.8	13.2	10.6	7.9	5.3	2.3	0.0
77.5°	38.9	20.7	13.2	9.9	6.6	2.9	0.0
75°	59.4	35.8	17.2	11.8	7.8	3.5	0.0
72.5°	79.3	50.5	27.4	13.8	9.1	4.0	0.0
70°	99.2	64.6	37.3	16.5	10.3	4.5	0.0
67.5°	123.1	78.2	46.8	22.6	11.5	5.1	0.0
65°	145.9	93.4	55.8	28.5	12.6	5.6	0.0
62.5°	167.5	110.0	64.4	34.1	13.7	6.1	0.0
60°	187.9	125.7	72.5	39.4	14.8	6.6	0.0
57.5°	209.4	140.5	83.3	44.4	17.8	7.0	0.0
55°	229.8	154.2	93.5	49.0	20.7	7.5	0.0
52.5°	248.7	167.3	103.0	53.3	23.5	7.9	0.0
50°	265.9	181.1	111.8	57.2	26.1	8.3	0.0
47.5°	282.1	193.8	119.8	61.3	28.7	8.7	0.0
45°	300.1	205.2	127.0	66.6	31.1	9.1	0.0
42.5°	316.6	215.4	133.4	71.4	33.4	9.4	0.0
40°	331.6	224.2	139.8	76.3	35.6	9.7	0.0
37.5°	345.0	231.8	146.2	81.2	37.6	10.0	0.0
35°	356.8	240.6	151.7	85.8	39.5	10.3	0.0
32.5°	367.8	249.3	156.2	89.9	41.2	10.6	0.0
30°	379.2	256.8	159.9	93.8	42.8	10.8	0.0
27.5°	389.4	263.0	165.4	97.3	44.2	11.0	0.0
25°	398.4	267.9	170.5	100.4	45.5	11.2	0.0
22.5°	406.1	272.8	175.0	103.1	46.6	11.3	0.0
20°	412.4	279.6	178.9	105.5	47.6	11.4	0.0
17.5°	420.4	285.1	182.2	107.5	48.4	11.5	0.0
15°	428.7	289.4	184.8	109.1	49.1	11.6	0.0
12.5°	435.4	292.5	186.8	110.3	49.6	11.6	0.0
10°	440.5	294.5	188.2	111.2	49.9	11.7	0.0
7.5°	444.0	295.2	189.0	111.7	50.1	11.6	0.0
5°	445.8	294.9	189.1	111.9	50.2	11.6	0.0
2.5°	445.9	293.5	188.7	111.7	50.1	11.6	0.0
0°	444.2	291.0	187.6	111.1	49.8	11.5	0.0
-2.5°	445.9	293.5	188.7	111.7	50.1	11.6	0.0
-5°	445.8	294.9	189.1	111.9	50.2	11.6	0.0
-7.5°	444.0	295.2	189.0	111.7	50.1	11.6	0.0
-10°	440.5	294.5	188.2	111.2	49.9	11.7	0.0
-12.5°	435.4	292.5	186.8	110.3	49.6	11.6	0.0
-15°	428.7	289.4	184.8	109.1	49.1	11.6	0.0
-17.5°	420.4	285.1	182.2	107.5	48.4	11.5	0.0
-20°	412.4	279.6	178.9	105.5	47.6	11.4	0.0

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REPORT NUMBER: P627331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	406.1	272.8	175.0	103.1	46.6	11.3	0.0
-25°	398.4	267.9	170.5	100.4	45.5	11.2	0.0
-27.5°	389.4	263.0	165.4	97.3	44.2	11.0	0.0
-30°	379.2	256.8	159.9	93.8	42.8	10.8	0.0
-32.5°	367.8	249.3	156.2	89.9	41.2	10.6	0.0
-35°	356.8	240.6	151.7	85.8	39.5	10.3	0.0
-37.5°	345.0	231.8	146.2	81.2	37.6	10.0	0.0
-40°	331.6	224.2	139.8	76.3	35.6	9.7	0.0
-42.5°	316.6	215.4	133.4	71.4	33.4	9.4	0.0
-45°	300.1	205.2	127.0	66.6	31.1	9.1	0.0
-47.5°	282.1	193.8	119.8	61.3	28.7	8.7	0.0
-50°	265.9	181.1	111.8	57.2	26.1	8.3	0.0
-52.5°	248.7	167.3	103.0	53.3	23.5	7.9	0.0
-55°	229.8	154.2	93.5	49.0	20.7	7.5	0.0
-57.5°	209.4	140.5	83.3	44.4	17.8	7.0	0.0
-60°	187.9	125.7	72.5	39.4	14.8	6.6	0.0
-62.5°	167.5	110.0	64.4	34.1	13.7	6.1	0.0
-65°	145.9	93.4	55.8	28.5	12.6	5.6	0.0
-67.5°	123.1	78.2	46.8	22.6	11.5	5.1	0.0
-70°	99.2	64.6	37.3	16.5	10.3	4.5	0.0
-72.5°	79.3	50.5	27.4	13.8	9.1	4.0	0.0
-75°	59.4	35.8	17.2	11.8	7.8	3.5	0.0
-77.5°	38.9	20.7	13.2	9.9	6.6	2.9	0.0
-80°	17.8	13.2	10.6	7.9	5.3	2.3	0.0
-82.5°	11.8	9.9	7.9	6.0	4.0	1.7	0.0
-85°	7.9	6.6	5.3	4.0	2.7	1.2	0.0
-87.5°	4.0	3.3	2.7	2.0	1.3	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)