

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: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-735-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627701 (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-SA5D-735-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N123
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

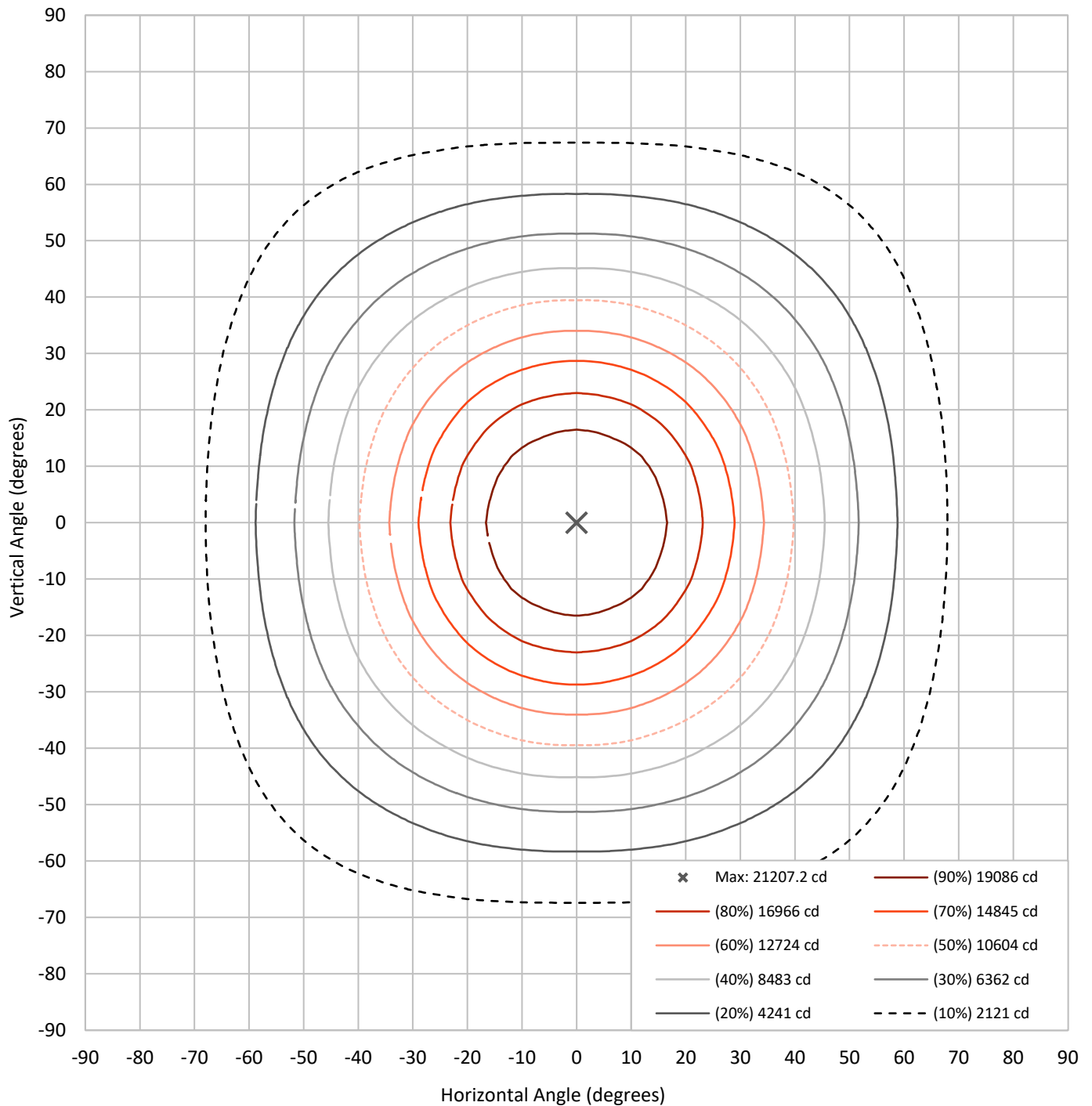
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	38330.2 lumens	Max Intensity:	21207.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.3 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:	22480.8 lumens	Field Lumens:	36541.3 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	271.3		
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





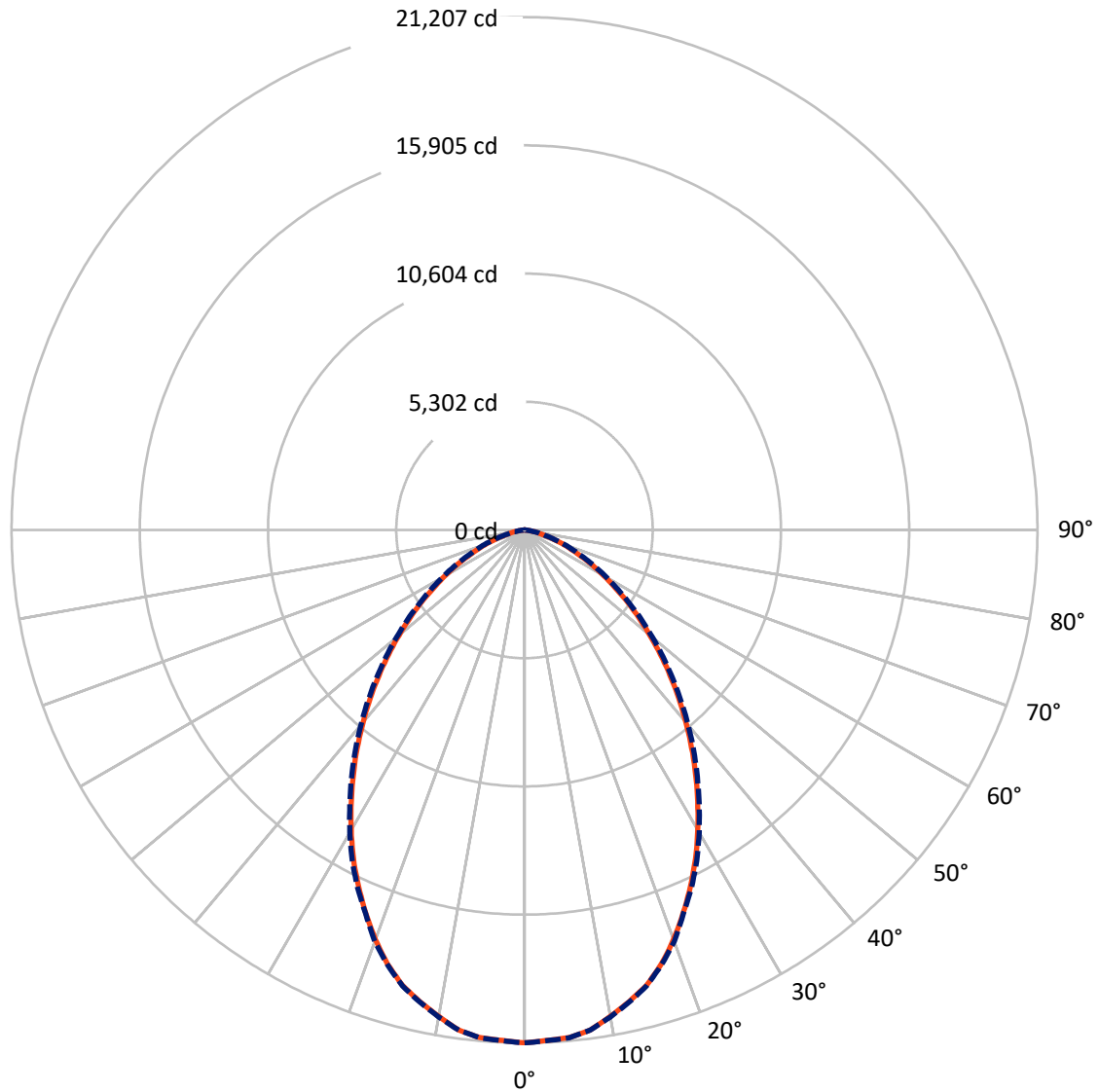
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Lumen Table

90																			
80	1.3	15.7	42.8	72.6	68.4	72.6	42.8	15.7	1.3										
70																			
60	7.1	9.8	19.9	33.8	49.5	63.9	74.7	80.0	80.0	74.7	63.9	49.5	33.8	19.9	9.8				7.1
50																			
40	12.5	14.8	32.2	57.5	87.1	118.3	144.0	157.4	157.4	144.0	118.3	87.1	57.5	32.2	14.8				12.5
30																			
20	16.1	19.8	46.6	86.0	136.3	189.0	233.1	257.2	257.2	233.1	189.0	136.3	86.0	46.6	19.8				16.1
10																			
0	17.5	25.1	61.7	118.5	190.9	267.6	333.1	370.4	370.4	333.1	267.6	190.9	118.5	61.7	25.1				17.5
-10																			
-20	16.1	30.0	76.0	148.9	243.0	344.9	433.9	484.9	484.9	433.9	344.9	243.0	148.9	76.0	30.0				16.1
-30																			
-40	12.5	33.8	87.0	171.8	283.7	407.7	517.0	579.2	579.2	517.0	407.7	283.7	171.8	87.0	33.8				12.5
-50																			
-60	7.1	35.9	93.0	184.7	306.3	442.4	562.0	627.4	627.4	562.0	442.4	306.3	184.7	93.0	35.9				7.1
-70																			
-80	1.3	35.9	93.0	184.7	306.3	442.4	562.0	627.4	627.4	562.0	442.4	306.3	184.7	93.0	35.9				1.3
-90																			

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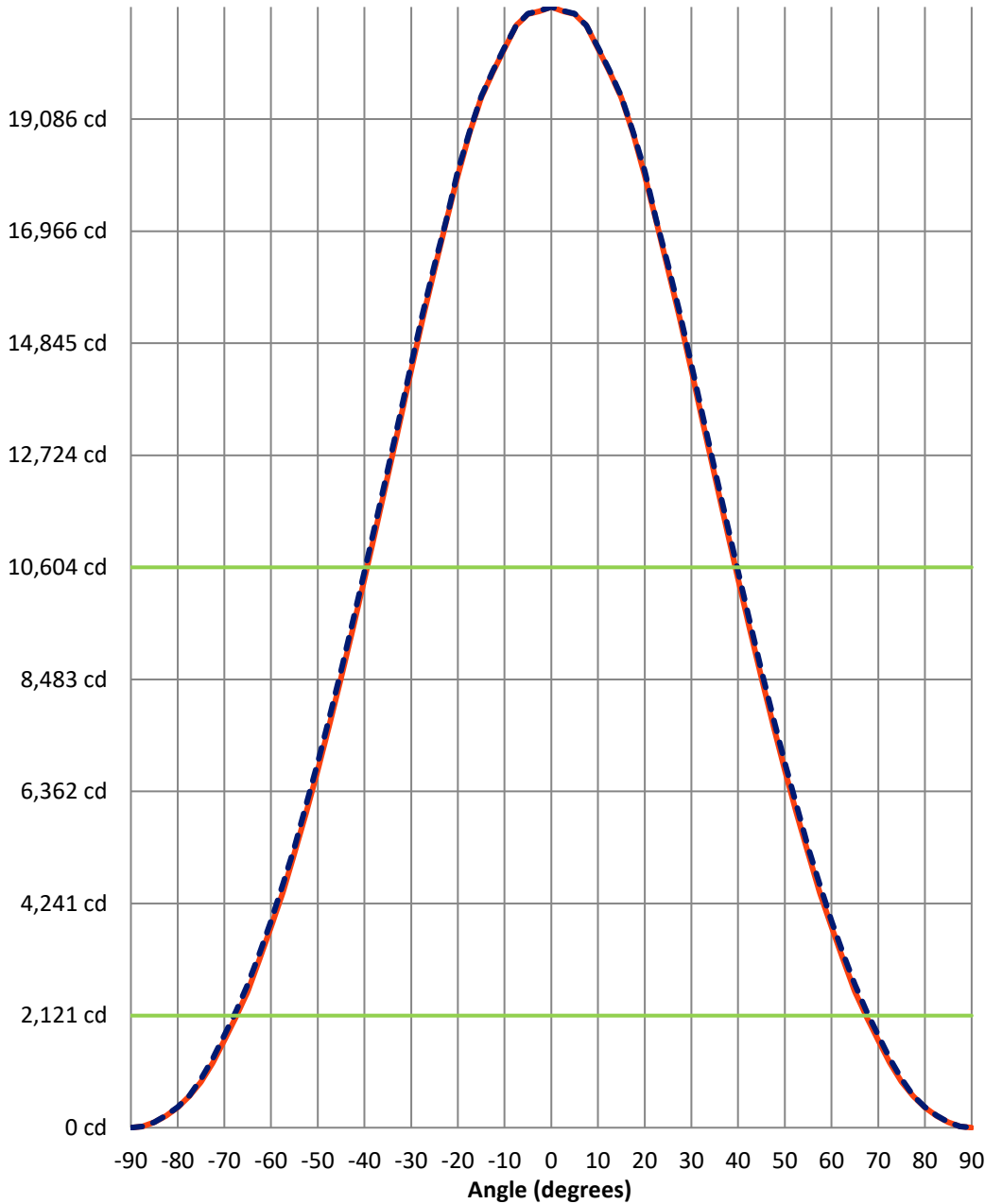
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 22480.8
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 36541.3
 Efficiency: 95.3%

Spill:
 Lumens: 1788.9
 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	1.2	2.8	4.1	5.5	6.9	8.2	9.6	10.9	12.2	13.4
85°	0.0	2.4	5.5	8.3	11.0	13.7	16.4	19.1	21.7	24.3	26.9
82.5°	0.0	3.6	8.3	12.4	16.5	20.6	24.6	28.6	35.8	56.4	76.0
80°	0.0	4.8	11.0	16.5	22.0	27.4	37.1	65.9	93.7	120.4	146.0
77.5°	0.0	6.0	13.7	20.6	27.4	42.9	80.7	117.1	151.4	184.2	225.0
75°	0.0	7.2	16.3	24.6	35.7	74.3	123.3	168.0	210.7	269.6	332.0
72.5°	0.0	8.3	18.9	28.6	56.9	104.8	164.6	222.6	289.7	361.3	437.2
70°	0.0	9.4	21.4	34.3	77.4	134.2	205.9	288.0	367.1	451.4	550.1
67.5°	0.0	10.5	23.8	47.0	97.1	162.3	255.4	352.0	442.8	549.3	662.4
65°	0.0	11.6	26.2	59.1	115.9	193.8	302.7	414.2	524.5	644.3	767.5
62.5°	0.0	12.6	28.5	70.8	133.8	228.3	347.7	479.2	603.5	735.1	861.5
60°	0.0	13.6	30.7	81.8	150.5	261.0	390.1	543.7	679.6	820.1	954.2
57.5°	0.0	14.6	36.9	92.1	172.9	291.6	434.7	603.9	754.6	903.6	1042.2
55°	0.0	15.5	42.9	101.8	194.1	320.2	477.0	655.8	828.3	984.2	1126.5
52.5°	0.0	16.4	48.7	110.7	213.9	347.3	516.1	709.9	900.4	1058.4	1208.7
50°	0.0	17.3	54.3	118.8	232.2	376.0	552.0	761.2	968.8	1130.4	1303.0
47.5°	0.0	18.1	59.6	127.3	248.8	402.3	585.6	808.9	1030.8	1200.1	1395.2
45°	0.0	18.8	64.6	138.3	263.8	426.0	623.0	852.8	1078.9	1279.0	1483.6
42.5°	0.0	19.5	69.4	148.3	277.0	447.0	657.2	893.3	1125.1	1354.5	1587.6
40°	0.0	20.2	73.9	158.5	290.3	465.4	688.3	931.6	1173.0	1425.2	1688.9
37.5°	0.0	20.8	78.1	168.7	303.5	481.1	716.1	967.9	1226.8	1492.3	1783.9
35°	0.0	21.4	82.0	178.1	314.9	499.3	740.7	1002.1	1279.3	1569.6	1879.7
32.5°	0.0	21.9	85.6	186.8	324.3	517.5	763.4	1034.1	1330.2	1643.8	1981.1
30°	0.0	22.3	88.9	194.7	331.9	533.0	787.0	1066.1	1379.3	1714.8	2075.9
27.5°	0.0	22.7	91.8	201.9	343.3	545.8	808.2	1103.3	1429.9	1782.2	2163.8
25°	0.0	23.1	94.5	208.4	353.9	556.0	826.9	1137.8	1482.6	1850.8	2245.1
22.5°	0.0	23.4	96.8	214.0	363.3	566.3	842.9	1169.5	1531.1	1915.6	2331.7
20°	0.0	23.7	98.8	218.9	371.4	580.3	856.1	1197.9	1575.2	1973.6	2409.4
17.5°	0.0	23.8	100.5	223.1	378.2	591.8	872.6	1222.9	1614.4	2024.5	2477.9
15°	0.0	24.0	101.9	226.4	383.7	600.8	889.8	1246.9	1648.5	2068.2	2537.0
12.5°	0.0	24.1	102.9	229.0	387.8	607.2	903.7	1269.3	1679.4	2104.4	2586.4
10°	0.0	24.1	103.6	230.8	390.7	611.2	914.4	1286.6	1706.0	2138.4	2628.0
7.5°	0.0	24.1	104.0	231.9	392.3	612.9	921.6	1298.7	1726.5	2165.8	2664.0
5°	0.0	24.1	104.1	232.2	392.6	612.2	925.4	1305.6	1740.6	2185.7	2689.8
2.5°	0.0	24.0	103.8	231.7	391.7	609.2	925.6	1307.2	1748.1	2197.7	2705.3
0°	0.0	23.8	103.3	230.5	389.5	604.1	922.1	1303.6	1748.7	2201.8	2710.5
-2.5°	0.0	24.0	103.8	231.7	391.7	609.2	925.6	1307.2	1748.1	2197.7	2705.3
-5°	0.0	24.1	104.1	232.2	392.6	612.2	925.4	1305.6	1740.6	2185.7	2689.8
-7.5°	0.0	24.1	104.0	231.9	392.3	612.9	921.6	1298.7	1726.5	2165.8	2664.0
-10°	0.0	24.1	103.6	230.8	390.7	611.2	914.4	1286.6	1706.0	2138.4	2628.0
-12.5°	0.0	24.1	102.9	229.0	387.8	607.2	903.7	1269.3	1679.4	2104.4	2586.4
-15°	0.0	24.0	101.9	226.4	383.7	600.8	889.8	1246.9	1648.5	2068.2	2537.0
-17.5°	0.0	23.8	100.5	223.1	378.2	591.8	872.6	1222.9	1614.4	2024.5	2477.9
-20°	0.0	23.7	98.8	218.9	371.4	580.3	856.1	1197.9	1575.2	1973.6	2409.4

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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	23.4	96.8	214.0	363.3	566.3	842.9	1169.5	1531.1	1915.6	2331.7
-25°	0.0	23.1	94.5	208.4	353.9	556.0	826.9	1137.8	1482.6	1850.8	2245.1
-27.5°	0.0	22.7	91.8	201.9	343.3	545.8	808.2	1103.3	1429.9	1782.2	2163.8
-30°	0.0	22.3	88.9	194.7	331.9	533.0	787.0	1066.1	1379.3	1714.8	2075.9
-32.5°	0.0	21.9	85.6	186.8	324.3	517.5	763.4	1034.1	1330.2	1643.8	1981.1
-35°	0.0	21.4	82.0	178.1	314.9	499.3	740.7	1002.1	1279.3	1569.6	1879.7
-37.5°	0.0	20.8	78.1	168.7	303.5	481.1	716.1	967.9	1226.8	1492.3	1783.9
-40°	0.0	20.2	73.9	158.5	290.3	465.4	688.3	931.6	1173.0	1425.2	1688.9
-42.5°	0.0	19.5	69.4	148.3	277.0	447.0	657.2	893.3	1125.1	1354.5	1587.6
-45°	0.0	18.8	64.6	138.3	263.8	426.0	623.0	852.8	1078.9	1279.0	1483.6
-47.5°	0.0	18.1	59.6	127.3	248.8	402.3	585.6	808.9	1030.8	1200.1	1395.2
-50°	0.0	17.3	54.3	118.8	232.2	376.0	552.0	761.2	968.8	1130.4	1303.0
-52.5°	0.0	16.4	48.7	110.7	213.9	347.3	516.1	709.9	900.4	1058.4	1208.7
-55°	0.0	15.5	42.9	101.8	194.1	320.2	477.0	655.8	828.3	984.2	1126.5
-57.5°	0.0	14.6	36.9	92.1	172.9	291.6	434.7	603.9	754.6	903.6	1042.2
-60°	0.0	13.6	30.7	81.8	150.5	261.0	390.1	543.7	679.6	820.1	954.2
-62.5°	0.0	12.6	28.5	70.8	133.8	228.3	347.7	479.2	603.5	735.1	861.5
-65°	0.0	11.6	26.2	59.1	115.9	193.8	302.7	414.2	524.5	644.3	767.5
-67.5°	0.0	10.5	23.8	47.0	97.1	162.3	255.4	352.0	442.8	549.3	662.4
-70°	0.0	9.4	21.4	34.3	77.4	134.2	205.9	288.0	367.1	451.4	550.1
-72.5°	0.0	8.3	18.9	28.6	56.9	104.8	164.6	222.6	289.7	361.3	437.2
-75°	0.0	7.2	16.3	24.6	35.7	74.3	123.3	168.0	210.7	269.6	332.0
-77.5°	0.0	6.0	13.7	20.6	27.4	42.9	80.7	117.1	151.4	184.2	225.0
-80°	0.0	4.8	11.0	16.5	22.0	27.4	37.1	65.9	93.7	120.4	146.0
-82.5°	0.0	3.6	8.3	12.4	16.5	20.6	24.6	28.6	35.8	56.4	76.0
-85°	0.0	2.4	5.5	8.3	11.0	13.7	16.4	19.1	21.7	24.3	26.9
-87.5°	0.0	1.2	2.8	4.1	5.5	6.9	8.2	9.6	10.9	12.2	13.4
-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°	15.6	17.9	20.3	22.8	23.0	23.0	22.8	22.5	23.4	24.4	25.2
85°	31.1	35.6	49.5	62.9	69.4	73.3	75.1	74.8	87.0	101.2	116.5
82.5°	96.7	116.6	135.6	153.7	158.4	158.5	156.9	157.5	186.1	218.8	252.5
80°	172.2	197.5	231.0	260.7	273.7	280.3	283.4	282.9	319.1	367.3	418.0
77.5°	273.2	315.7	352.7	384.3	401.3	416.3	428.5	437.8	484.4	545.3	605.7
75°	388.2	435.0	481.3	521.8	550.1	571.1	590.6	622.0	683.0	754.0	815.9
72.5°	509.6	569.3	621.0	664.9	704.6	746.8	794.0	845.6	909.9	980.9	1045.5
70°	639.3	704.9	759.1	812.0	866.1	929.2	999.9	1069.6	1141.2	1219.6	1295.0
67.5°	766.2	829.4	893.2	960.0	1040.9	1125.4	1209.1	1305.1	1403.3	1490.3	1568.2
65°	876.4	950.5	1030.3	1120.9	1220.9	1328.2	1439.9	1555.0	1679.7	1784.1	1879.4
62.5°	981.6	1070.8	1167.8	1280.6	1408.1	1535.2	1677.6	1821.8	1962.1	2085.2	2199.0
60°	1078.6	1186.6	1309.2	1447.5	1596.4	1765.4	1927.6	2091.6	2245.4	2384.8	2528.6
57.5°	1173.0	1308.8	1456.0	1622.0	1810.2	2000.1	2190.8	2367.2	2541.3	2711.2	2873.8
55°	1272.8	1436.5	1611.6	1815.3	2027.5	2252.0	2457.4	2654.3	2846.2	3052.3	3248.2
52.5°	1382.7	1565.6	1784.7	2012.7	2257.8	2498.8	2724.4	2948.7	3180.6	3413.9	3669.0
50°	1488.7	1716.7	1956.8	2222.0	2486.8	2745.0	3003.7	3262.0	3539.9	3826.0	4115.0
47.5°	1612.6	1861.4	2145.1	2429.5	2718.8	3006.1	3294.4	3606.5	3922.3	4254.1	4573.8
45°	1737.9	2017.7	2323.3	2644.9	2957.8	3275.9	3613.0	3958.1	4328.3	4693.1	5077.7
42.5°	1856.7	2173.0	2509.9	2857.2	3205.2	3560.6	3931.3	4334.4	4738.9	5159.8	5582.4
40°	1988.4	2320.7	2692.1	3074.7	3452.3	3846.3	4270.0	4706.6	5164.2	5627.0	6086.0
37.5°	2114.9	2480.2	2870.7	3282.5	3706.2	4139.2	4599.3	5094.8	5591.2	6089.2	6595.3
35°	2233.4	2631.5	3054.4	3491.6	3940.9	4433.5	4947.8	5476.7	6014.6	6553.2	7097.6
32.5°	2355.3	2774.1	3229.9	3697.8	4193.0	4721.3	5284.5	5857.7	6430.5	7005.6	7601.5
30°	2477.5	2923.6	3400.0	3892.8	4434.5	5010.0	5615.4	6222.6	6828.5	7461.4	8096.5
27.5°	2592.9	3065.6	3567.0	4094.4	4666.0	5277.5	5920.4	6570.8	7224.1	7897.0	8574.4
25°	2699.3	3199.9	3722.1	4288.4	4894.2	5534.8	6204.6	6883.3	7599.8	8319.8	9027.2
22.5°	2802.9	3323.4	3865.7	4467.1	5101.0	5773.8	6471.2	7187.9	7936.6	8709.8	9441.9
20°	2902.6	3441.0	4005.5	4629.1	5286.2	5988.9	6713.5	7464.0	8249.5	9043.4	9830.8
17.5°	2991.2	3545.5	4135.6	4780.5	5463.0	6185.6	6931.8	7707.1	8527.5	9350.5	10184.8
15°	3068.3	3636.4	4248.3	4912.6	5619.2	6364.3	7134.5	7931.8	8773.4	9630.3	10497.6
12.5°	3133.5	3713.4	4343.1	5024.9	5751.8	6517.7	7308.7	8133.9	8998.2	9879.1	10771.6
10°	3186.5	3776.2	4419.9	5116.7	5860.1	6644.4	7452.1	8300.6	9190.8	10090.8	11002.1
7.5°	3231.6	3828.6	4480.8	5187.5	5943.5	6743.6	7563.8	8430.6	9344.1	10256.0	11187.2
5°	3264.5	3870.9	4536.8	5246.9	6016.1	6821.2	7648.4	8523.2	9456.3	10373.5	11321.5
2.5°	3284.2	3898.5	4574.8	5285.3	6073.1	6879.3	7723.5	8605.1	9538.5	10466.8	11422.4
0°	3290.8	3910.8	4594.4	5301.8	6104.6	6907.4	7765.9	8648.2	9578.2	10524.1	11485.9
-2.5°	3284.2	3898.5	4574.8	5285.3	6073.1	6879.3	7723.5	8605.1	9538.5	10466.8	11422.4
-5°	3264.5	3870.9	4536.8	5246.9	6016.1	6821.2	7648.4	8523.2	9456.3	10373.5	11321.5
-7.5°	3231.6	3828.6	4480.8	5187.5	5943.5	6743.6	7563.8	8430.6	9344.1	10256.0	11187.2
-10°	3186.5	3776.2	4419.9	5116.7	5860.1	6644.4	7452.1	8300.6	9190.8	10090.8	11002.1
-12.5°	3133.5	3713.4	4343.1	5024.9	5751.8	6517.7	7308.7	8133.9	8998.2	9879.1	10771.6
-15°	3068.3	3636.4	4248.3	4912.6	5619.2	6364.3	7134.5	7931.8	8773.4	9630.3	10497.6
-17.5°	2991.2	3545.5	4135.6	4780.5	5463.0	6185.6	6931.8	7707.1	8527.5	9350.5	10184.8
-20°	2902.6	3441.0	4005.5	4629.1	5286.2	5988.9	6713.5	7464.0	8249.5	9043.4	9830.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	2802.9	3323.4	3865.7	4467.1	5101.0	5773.8	6471.2	7187.9	7936.6	8709.8	9441.9
-25°	2699.3	3199.9	3722.1	4288.4	4894.2	5534.8	6204.6	6883.3	7599.8	8319.8	9027.2
-27.5°	2592.9	3065.6	3567.0	4094.4	4666.0	5277.5	5920.4	6570.8	7224.1	7897.0	8574.4
-30°	2477.5	2923.6	3400.0	3892.8	4434.5	5010.0	5615.4	6222.6	6828.5	7461.4	8096.5
-32.5°	2355.3	2774.1	3229.9	3697.8	4193.0	4721.3	5284.5	5857.7	6430.5	7005.6	7601.5
-35°	2233.4	2631.5	3054.4	3491.6	3940.9	4433.5	4947.8	5476.7	6014.6	6553.2	7097.6
-37.5°	2114.9	2480.2	2870.7	3282.5	3706.2	4139.2	4599.3	5094.8	5591.2	6089.2	6595.3
-40°	1988.4	2320.7	2692.1	3074.7	3452.3	3846.3	4270.0	4706.6	5164.2	5627.0	6086.0
-42.5°	1856.7	2173.0	2509.9	2857.2	3205.2	3560.6	3931.3	4334.4	4738.9	5159.8	5582.4
-45°	1737.9	2017.7	2323.3	2644.9	2957.8	3275.9	3613.0	3958.1	4328.3	4693.1	5077.7
-47.5°	1612.6	1861.4	2145.1	2429.5	2718.8	3006.1	3294.4	3606.5	3922.3	4254.1	4573.8
-50°	1488.7	1716.7	1956.8	2222.0	2486.8	2745.0	3003.7	3262.0	3539.9	3826.0	4115.0
-52.5°	1382.7	1565.6	1784.7	2012.7	2257.8	2498.8	2724.4	2948.7	3180.6	3413.9	3669.0
-55°	1272.8	1436.5	1611.6	1815.3	2027.5	2252.0	2457.4	2654.3	2846.2	3052.3	3248.2
-57.5°	1173.0	1308.8	1456.0	1622.0	1810.2	2000.1	2190.8	2367.2	2541.3	2711.2	2873.8
-60°	1078.6	1186.6	1309.2	1447.5	1596.4	1765.4	1927.6	2091.6	2245.4	2384.8	2528.6
-62.5°	981.6	1070.8	1167.8	1280.6	1408.1	1535.2	1677.6	1821.8	1962.1	2085.2	2199.0
-65°	876.4	950.5	1030.3	1120.9	1220.9	1328.2	1439.9	1555.0	1679.7	1784.1	1879.4
-67.5°	766.2	829.4	893.2	960.0	1040.9	1125.4	1209.1	1305.1	1403.3	1490.3	1568.2
-70°	639.3	704.9	759.1	812.0	866.1	929.2	999.9	1069.6	1141.2	1219.6	1295.0
-72.5°	509.6	569.3	621.0	664.9	704.6	746.8	794.0	845.6	909.9	980.9	1045.5
-75°	388.2	435.0	481.3	521.8	550.1	571.1	590.6	622.0	683.0	754.0	815.9
-77.5°	273.2	315.7	352.7	384.3	401.3	416.3	428.5	437.8	484.4	545.3	605.7
-80°	172.2	197.5	231.0	260.7	273.7	280.3	283.4	282.9	319.1	367.3	418.0
-82.5°	96.7	116.6	135.6	153.7	158.4	158.5	156.9	157.5	186.1	218.8	252.5
-85°	31.1	35.6	49.5	62.9	69.4	73.3	75.1	74.8	87.0	101.2	116.5
-87.5°	15.6	17.9	20.3	22.8	23.0	23.0	22.8	22.5	23.4	24.4	25.2
-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: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	26.0	26.8	27.5	28.2	28.8	29.4	29.9	30.3	30.7	29.1	27.4
85°	132.8	142.2	150.9	159.3	167.3	174.9	182.0	188.6	194.7	177.8	159.2
82.5°	286.8	309.7	331.6	353.4	374.9	380.4	382.1	381.3	378.3	348.7	315.9
80°	468.1	507.0	543.7	580.2	616.1	620.2	616.0	608.6	598.1	559.3	515.2
77.5°	666.0	715.0	758.0	797.3	833.1	839.8	838.9	837.1	834.2	794.5	746.4
75°	868.8	916.8	963.1	1002.4	1035.3	1050.4	1057.8	1063.0	1065.9	1037.4	1000.1
72.5°	1104.0	1154.0	1194.8	1233.1	1265.4	1288.8	1305.5	1318.2	1326.9	1318.2	1303.0
70°	1359.3	1412.9	1457.9	1501.1	1544.9	1580.1	1606.6	1625.9	1638.1	1646.1	1651.7
67.5°	1646.8	1718.6	1781.4	1834.9	1888.0	1937.7	1978.5	2011.9	2037.6	2059.5	2076.4
65°	1970.5	2062.4	2143.9	2218.7	2287.3	2359.4	2418.6	2468.2	2508.2	2541.2	2567.7
62.5°	2311.0	2423.6	2528.2	2629.7	2729.1	2827.1	2902.2	2970.7	3031.5	3083.9	3125.5
60°	2664.7	2792.7	2933.1	3067.1	3190.4	3303.0	3414.9	3511.8	3594.7	3663.5	3719.0
57.5°	3045.0	3210.8	3374.8	3541.2	3698.4	3845.6	3983.3	4104.8	4207.5	4291.7	4362.5
55°	3455.8	3663.1	3853.3	4063.3	4266.1	4450.8	4613.3	4756.2	4879.8	4983.3	5071.2
52.5°	3907.4	4159.3	4406.5	4645.3	4875.6	5089.8	5284.5	5450.9	5598.9	5725.8	5827.0
50°	4401.6	4689.8	4976.3	5241.9	5506.5	5753.4	5976.5	6169.6	6341.8	6491.0	6608.3
47.5°	4918.5	5246.4	5566.4	5870.6	6163.4	6437.7	6679.3	6899.4	7114.1	7289.3	7427.8
45°	5455.1	5823.1	6176.1	6523.8	6846.3	7153.7	7451.8	7725.9	7946.3	8139.2	8301.3
42.5°	5998.3	6408.8	6804.1	7183.4	7538.0	7893.6	8228.9	8528.5	8779.8	8999.2	9183.4
40°	6548.6	6998.0	7433.5	7847.1	8252.4	8640.2	9002.8	9318.8	9602.2	9862.8	10079.9
37.5°	7096.1	7590.5	8072.9	8536.3	8982.6	9402.7	9794.5	10151.5	10471.4	10768.2	11009.2
35°	7646.0	8188.4	8716.6	9226.5	9714.0	10177.6	10606.6	11012.8	11389.8	11690.4	11936.9
32.5°	8193.9	8777.0	9351.8	9913.1	10446.7	10946.5	11411.3	11860.2	12247.9	12578.3	12861.8
30°	8724.0	9355.7	9981.6	10590.3	11166.6	11708.1	12222.8	12697.5	13114.5	13475.8	13793.8
27.5°	9244.2	9922.8	10594.4	11244.6	11867.7	12456.2	13017.9	13532.7	13987.7	14380.4	14715.7
25°	9735.8	10465.2	11181.0	11870.4	12536.1	13185.3	13791.7	14353.5	14839.5	15270.7	15615.2
22.5°	10205.5	10983.3	11735.6	12460.8	13172.9	13872.5	14536.4	15123.0	15638.1	16088.9	16470.2
20°	10643.1	11476.6	12246.2	13013.2	13763.3	14510.3	15223.2	15842.1	16387.1	16867.0	17287.3
17.5°	11052.1	11907.1	12717.5	13534.1	14324.6	15108.3	15832.5	16495.9	17083.9	17593.4	18033.6
15°	11398.4	12261.9	13146.9	14018.7	14852.3	15645.9	16369.5	17062.3	17715.3	18266.4	18712.7
12.5°	11678.8	12576.7	13500.0	14425.5	15307.2	16099.7	16857.2	17560.1	18245.9	18864.9	19275.2
10°	11917.8	12842.4	13795.5	14739.4	15632.9	16471.4	17295.0	18038.1	18712.1	19266.4	19724.5
7.5°	12124.4	13076.8	14044.9	14990.3	15880.7	16747.2	17595.0	18384.3	19064.7	19586.8	19995.5
5°	12276.8	13251.8	14238.5	15192.7	16095.6	16964.8	17816.5	18595.9	19260.0	19791.3	20237.1
2.5°	12385.8	13370.0	14363.8	15319.3	16242.2	17113.6	17986.6	18774.8	19417.9	19904.6	20331.4
0°	12455.6	13441.3	14442.8	15420.5	16326.7	17169.2	18107.2	18846.4	19514.1	19999.0	20444.1
-2.5°	12385.8	13370.0	14363.8	15319.3	16242.2	17113.6	17986.6	18774.8	19417.9	19904.6	20331.4
-5°	12276.8	13251.8	14238.5	15192.7	16095.6	16964.8	17816.5	18595.9	19260.0	19791.3	20237.1
-7.5°	12124.4	13076.8	14044.9	14990.3	15880.7	16747.2	17595.0	18384.3	19064.7	19586.8	19995.5
-10°	11917.8	12842.4	13795.5	14739.4	15632.9	16471.4	17295.0	18038.1	18712.1	19266.4	19724.5
-12.5°	11678.8	12576.7	13500.0	14425.5	15307.2	16099.7	16857.2	17560.1	18245.9	18864.9	19275.2
-15°	11398.4	12261.9	13146.9	14018.7	14852.3	15645.9	16369.5	17062.3	17715.3	18266.4	18712.7
-17.5°	11052.1	11907.1	12717.5	13534.1	14324.6	15108.3	15832.5	16495.9	17083.9	17593.4	18033.6
-20°	10643.1	11476.6	12246.2	13013.2	13763.3	14510.3	15223.2	15842.1	16387.1	16867.0	17287.3



REPORT NUMBER: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	10205.5	10983.3	11735.6	12460.8	13172.9	13872.5	14536.4	15123.0	15638.1	16088.9	16470.2
-25°	9735.8	10465.2	11181.0	11870.4	12536.1	13185.3	13791.7	14353.5	14839.5	15270.7	15615.2
-27.5°	9244.2	9922.8	10594.4	11244.6	11867.7	12456.2	13017.9	13532.7	13987.7	14380.4	14715.7
-30°	8724.0	9355.7	9981.6	10590.3	11166.6	11708.1	12222.8	12697.5	13114.5	13475.8	13793.8
-32.5°	8193.9	8777.0	9351.8	9913.1	10446.7	10946.5	11411.3	11860.2	12247.9	12578.3	12861.8
-35°	7646.0	8188.4	8716.6	9226.5	9714.0	10177.6	10606.6	11012.8	11389.8	11690.4	11936.9
-37.5°	7096.1	7590.5	8072.9	8536.3	8982.6	9402.7	9794.5	10151.5	10471.4	10768.2	11009.2
-40°	6548.6	6998.0	7433.5	7847.1	8252.4	8640.2	9002.8	9318.8	9602.2	9862.8	10079.9
-42.5°	5998.3	6408.8	6804.1	7183.4	7538.0	7893.6	8228.9	8528.5	8779.8	8999.2	9183.4
-45°	5455.1	5823.1	6176.1	6523.8	6846.3	7153.7	7451.8	7725.9	7946.3	8139.2	8301.3
-47.5°	4918.5	5246.4	5566.4	5870.6	6163.4	6437.7	6679.3	6899.4	7114.1	7289.3	7427.8
-50°	4401.6	4689.8	4976.3	5241.9	5506.5	5753.4	5976.5	6169.6	6341.8	6491.0	6608.3
-52.5°	3907.4	4159.3	4406.5	4645.3	4875.6	5089.8	5284.5	5450.9	5598.9	5725.8	5827.0
-55°	3455.8	3663.1	3853.3	4063.3	4266.1	4450.8	4613.3	4756.2	4879.8	4983.3	5071.2
-57.5°	3045.0	3210.8	3374.8	3541.2	3698.4	3845.6	3983.3	4104.8	4207.5	4291.7	4362.5
-60°	2664.7	2792.7	2933.1	3067.1	3190.4	3303.0	3414.9	3511.8	3594.7	3663.5	3719.0
-62.5°	2311.0	2423.6	2528.2	2629.7	2729.1	2827.1	2902.2	2970.7	3031.5	3083.9	3125.5
-65°	1970.5	2062.4	2143.9	2218.7	2287.3	2359.4	2418.6	2468.2	2508.2	2541.2	2567.7
-67.5°	1646.8	1718.6	1781.4	1834.9	1888.0	1937.7	1978.5	2011.9	2037.6	2059.5	2076.4
-70°	1359.3	1412.9	1457.9	1501.1	1544.9	1580.1	1606.6	1625.9	1638.1	1646.1	1651.7
-72.5°	1104.0	1154.0	1194.8	1233.1	1265.4	1288.8	1305.5	1318.2	1326.9	1318.2	1303.0
-75°	868.8	916.8	963.1	1002.4	1035.3	1050.4	1057.8	1063.0	1065.9	1037.4	1000.1
-77.5°	666.0	715.0	758.0	797.3	833.1	839.8	838.9	837.1	834.2	794.5	746.4
-80°	468.1	507.0	543.7	580.2	616.1	620.2	616.0	608.6	598.1	559.3	515.2
-82.5°	286.8	309.7	331.6	353.4	374.9	380.4	382.1	381.3	378.3	348.7	315.9
-85°	132.8	142.2	150.9	159.3	167.3	174.9	182.0	188.6	194.7	177.8	159.2
-87.5°	26.0	26.8	27.5	28.2	28.8	29.4	29.9	30.3	30.7	29.1	27.4
-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: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	25.6	23.7	23.8	23.8	23.8	23.7	25.6	27.4	29.1	30.7	30.3
85°	139.3	118.6	111.1	103.3	111.1	118.6	139.3	159.2	177.8	194.7	188.6
82.5°	281.4	245.6	234.2	222.6	234.2	245.6	281.4	315.9	348.7	378.3	381.3
80°	468.8	420.2	401.1	381.5	401.1	420.2	468.8	515.2	559.3	598.1	608.6
77.5°	695.7	642.3	619.5	596.2	619.5	642.3	695.7	746.4	794.5	834.2	837.1
75°	960.7	919.0	893.6	866.4	893.6	919.0	960.7	1000.1	1037.4	1065.9	1063.0
72.5°	1285.5	1265.1	1246.7	1224.1	1246.7	1265.1	1285.5	1303.0	1318.2	1326.9	1318.2
70°	1653.6	1651.0	1654.3	1653.3	1654.3	1651.0	1653.6	1651.7	1646.1	1638.1	1625.9
67.5°	2085.1	2085.6	2094.5	2098.5	2094.5	2085.6	2085.1	2076.4	2059.5	2037.6	2011.9
65°	2584.1	2590.2	2587.9	2575.4	2587.9	2590.2	2584.1	2567.7	2541.2	2508.2	2468.2
62.5°	3155.1	3172.3	3181.7	3179.5	3181.7	3172.3	3155.1	3125.5	3083.9	3031.5	2970.7
60°	3760.4	3787.3	3800.9	3799.5	3800.9	3787.3	3760.4	3719.0	3663.5	3594.7	3511.8
57.5°	4415.2	4449.7	4457.7	4443.3	4457.7	4449.7	4415.2	4362.5	4291.7	4207.5	4104.8
55°	5137.5	5181.6	5198.6	5190.5	5198.6	5181.6	5137.5	5071.2	4983.3	4879.8	4756.2
52.5°	5901.2	5948.8	5965.8	5953.6	5965.8	5948.8	5901.2	5827.0	5725.8	5598.9	5450.9
50°	6694.4	6752.2	6775.5	6764.4	6775.5	6752.2	6694.4	6608.3	6491.0	6341.8	6169.6
47.5°	7536.3	7613.3	7643.2	7622.8	7643.2	7613.3	7536.3	7427.8	7289.3	7114.1	6899.4
45°	8422.3	8502.1	8533.0	8513.1	8533.0	8502.1	8422.3	8301.3	8139.2	7946.3	7725.9
42.5°	9324.2	9427.8	9471.5	9435.1	9471.5	9427.8	9324.2	9183.4	8999.2	8779.8	8528.5
40°	10241.9	10354.3	10406.2	10381.0	10406.2	10354.3	10241.9	10079.9	9862.8	9602.2	9318.8
37.5°	11183.2	11295.1	11350.1	11350.8	11350.1	11295.1	11183.2	11009.2	10768.2	10471.4	10151.5
35°	12128.0	12263.5	12340.2	12336.4	12340.2	12263.5	12128.0	11936.9	11690.4	11389.8	11012.8
32.5°	13086.0	13232.7	13311.0	13322.1	13311.0	13232.7	13086.0	12861.8	12578.3	12247.9	11860.2
30°	14042.4	14203.6	14294.3	14331.5	14294.3	14203.6	14042.4	13793.8	13475.8	13114.5	12697.5
27.5°	14969.8	15168.3	15305.3	15317.2	15305.3	15168.3	14969.8	14715.7	14380.4	13987.7	13532.7
25°	15868.1	16070.2	16210.6	16239.2	16210.6	16070.2	15868.1	15615.2	15270.7	14839.5	14353.5
22.5°	16753.4	16964.6	17094.3	17145.4	17094.3	16964.6	16753.4	16470.2	16088.9	15638.1	15123.0
20°	17598.6	17827.5	17965.0	18019.7	17965.0	17827.5	17598.6	17287.3	16867.0	16387.1	15842.1
17.5°	18363.1	18605.0	18774.9	18822.6	18774.9	18605.0	18363.1	18033.6	17593.4	17083.9	16495.9
15°	19036.0	19265.4	19426.7	19490.3	19426.7	19265.4	19036.0	18712.7	18266.4	17715.3	17062.3
12.5°	19583.7	19788.9	19915.2	19975.1	19915.2	19788.9	19583.7	19275.2	18864.9	18245.9	17560.1
10°	20011.6	20217.4	20338.0	20420.3	20338.0	20217.4	20011.6	19724.5	19266.4	18712.1	18038.1
7.5°	20382.9	20593.9	20741.4	20857.4	20741.4	20593.9	20382.9	19995.5	19586.8	19064.7	18384.3
5°	20588.0	20940.2	20993.2	21072.1	20993.2	20940.2	20588.0	20237.1	19791.3	19260.0	18595.9
2.5°	20744.3	20994.1	21144.2	21127.7	21144.2	20994.1	20744.3	20331.4	19904.6	19417.9	18774.8
0°	20857.4	21080.0	21135.6	21207.2	21135.6	21080.0	20857.4	20444.1	19999.0	19514.1	18846.4
-2.5°	20744.3	20994.1	21144.2	21127.7	21144.2	20994.1	20744.3	20331.4	19904.6	19417.9	18774.8
-5°	20588.0	20940.2	20993.2	21072.1	20993.2	20940.2	20588.0	20237.1	19791.3	19260.0	18595.9
-7.5°	20382.9	20593.9	20741.4	20857.4	20741.4	20593.9	20382.9	19995.5	19586.8	19064.7	18384.3
-10°	20011.6	20217.4	20338.0	20420.3	20338.0	20217.4	20011.6	19724.5	19266.4	18712.1	18038.1
-12.5°	19583.7	19788.9	19915.2	19975.1	19915.2	19788.9	19583.7	19275.2	18864.9	18245.9	17560.1
-15°	19036.0	19265.4	19426.7	19490.3	19426.7	19265.4	19036.0	18712.7	18266.4	17715.3	17062.3
-17.5°	18363.1	18605.0	18774.9	18822.6	18774.9	18605.0	18363.1	18033.6	17593.4	17083.9	16495.9
-20°	17598.6	17827.5	17965.0	18019.7	17965.0	17827.5	17598.6	17287.3	16867.0	16387.1	15842.1



REPORT NUMBER: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	16753.4	16964.6	17094.3	17145.4	17094.3	16964.6	16753.4	16470.2	16088.9	15638.1	15123.0
-25°	15868.1	16070.2	16210.6	16239.2	16210.6	16070.2	15868.1	15615.2	15270.7	14839.5	14353.5
-27.5°	14969.8	15168.3	15305.3	15317.2	15305.3	15168.3	14969.8	14715.7	14380.4	13987.7	13532.7
-30°	14042.4	14203.6	14294.3	14331.5	14294.3	14203.6	14042.4	13793.8	13475.8	13114.5	12697.5
-32.5°	13086.0	13232.7	13311.0	13322.1	13311.0	13232.7	13086.0	12861.8	12578.3	12247.9	11860.2
-35°	12128.0	12263.5	12340.2	12336.4	12340.2	12263.5	12128.0	11936.9	11690.4	11389.8	11012.8
-37.5°	11183.2	11295.1	11350.1	11350.8	11350.1	11295.1	11183.2	11009.2	10768.2	10471.4	10151.5
-40°	10241.9	10354.3	10406.2	10381.0	10406.2	10354.3	10241.9	10079.9	9862.8	9602.2	9318.8
-42.5°	9324.2	9427.8	9471.5	9435.1	9471.5	9427.8	9324.2	9183.4	8999.2	8779.8	8528.5
-45°	8422.3	8502.1	8533.0	8513.1	8533.0	8502.1	8422.3	8301.3	8139.2	7946.3	7725.9
-47.5°	7536.3	7613.3	7643.2	7622.8	7643.2	7613.3	7536.3	7427.8	7289.3	7114.1	6899.4
-50°	6694.4	6752.2	6775.5	6764.4	6775.5	6752.2	6694.4	6608.3	6491.0	6341.8	6169.6
-52.5°	5901.2	5948.8	5965.8	5953.6	5965.8	5948.8	5901.2	5827.0	5725.8	5598.9	5450.9
-55°	5137.5	5181.6	5198.6	5190.5	5198.6	5181.6	5137.5	5071.2	4983.3	4879.8	4756.2
-57.5°	4415.2	4449.7	4457.7	4443.3	4457.7	4449.7	4415.2	4362.5	4291.7	4207.5	4104.8
-60°	3760.4	3787.3	3800.9	3799.5	3800.9	3787.3	3760.4	3719.0	3663.5	3594.7	3511.8
-62.5°	3155.1	3172.3	3181.7	3179.5	3181.7	3172.3	3155.1	3125.5	3083.9	3031.5	2970.7
-65°	2584.1	2590.2	2587.9	2575.4	2587.9	2590.2	2584.1	2567.7	2541.2	2508.2	2468.2
-67.5°	2085.1	2085.6	2094.5	2098.5	2094.5	2085.6	2085.1	2076.4	2059.5	2037.6	2011.9
-70°	1653.6	1651.0	1654.3	1653.3	1654.3	1651.0	1653.6	1651.7	1646.1	1638.1	1625.9
-72.5°	1285.5	1265.1	1246.7	1224.1	1246.7	1265.1	1285.5	1303.0	1318.2	1326.9	1318.2
-75°	960.7	919.0	893.6	866.4	893.6	919.0	960.7	1000.1	1037.4	1065.9	1063.0
-77.5°	695.7	642.3	619.5	596.2	619.5	642.3	695.7	746.4	794.5	834.2	837.1
-80°	468.8	420.2	401.1	381.5	401.1	420.2	468.8	515.2	559.3	598.1	608.6
-82.5°	281.4	245.6	234.2	222.6	234.2	245.6	281.4	315.9	348.7	378.3	381.3
-85°	139.3	118.6	111.1	103.3	111.1	118.6	139.3	159.2	177.8	194.7	188.6
-87.5°	25.6	23.7	23.8	23.8	23.8	23.7	25.6	27.4	29.1	30.7	30.3
-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: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	29.9	29.4	28.8	28.2	27.5	26.8	26.0	25.2	24.4	23.4	22.5
85°	182.0	174.9	167.3	159.3	150.9	142.2	132.8	116.5	101.2	87.0	74.8
82.5°	382.1	380.4	374.9	353.4	331.6	309.7	286.8	252.5	218.8	186.1	157.5
80°	616.0	620.2	616.1	580.2	543.7	507.0	468.1	418.0	367.3	319.1	282.9
77.5°	838.9	839.8	833.1	797.3	758.0	715.0	666.0	605.7	545.3	484.4	437.8
75°	1057.8	1050.4	1035.3	1002.4	963.1	916.8	868.8	815.9	754.0	683.0	622.0
72.5°	1305.5	1288.8	1265.4	1233.1	1194.8	1154.0	1104.0	1045.5	980.9	909.9	845.6
70°	1606.6	1580.1	1544.9	1501.1	1457.9	1412.9	1359.3	1295.0	1219.6	1141.2	1069.6
67.5°	1978.5	1937.7	1888.0	1834.9	1781.4	1718.6	1646.8	1568.2	1490.3	1403.3	1305.1
65°	2418.6	2359.4	2287.3	2218.7	2143.9	2062.4	1970.5	1879.4	1784.1	1679.7	1555.0
62.5°	2902.2	2827.1	2729.1	2629.7	2528.2	2423.6	2311.0	2199.0	2085.2	1962.1	1821.8
60°	3414.9	3303.0	3190.4	3067.1	2933.1	2792.7	2664.7	2528.6	2384.8	2245.4	2091.6
57.5°	3983.3	3845.6	3698.4	3541.2	3374.8	3210.8	3045.0	2873.8	2711.2	2541.3	2367.2
55°	4613.3	4450.8	4266.1	4063.3	3853.3	3663.1	3455.8	3248.2	3052.3	2846.2	2654.3
52.5°	5284.5	5089.8	4875.6	4645.3	4406.5	4159.3	3907.4	3669.0	3413.9	3180.6	2948.7
50°	5976.5	5753.4	5506.5	5241.9	4976.3	4689.8	4401.6	4115.0	3826.0	3539.9	3262.0
47.5°	6679.3	6437.7	6163.4	5870.6	5566.4	5246.4	4918.5	4573.8	4254.1	3922.3	3606.5
45°	7451.8	7153.7	6846.3	6523.8	6176.1	5823.1	5455.1	5077.7	4693.1	4328.3	3958.1
42.5°	8228.9	7893.6	7538.0	7183.4	6804.1	6408.8	5998.3	5582.4	5159.8	4738.9	4334.4
40°	9002.8	8640.2	8252.4	7847.1	7433.5	6998.0	6548.6	6086.0	5627.0	5164.2	4706.6
37.5°	9794.5	9402.7	8982.6	8536.3	8072.9	7590.5	7096.1	6595.3	6089.2	5591.2	5094.8
35°	10606.6	10177.6	9714.0	9226.5	8716.6	8188.4	7646.0	7097.6	6553.2	6014.6	5476.7
32.5°	11411.3	10946.5	10446.7	9913.1	9351.8	8777.0	8193.9	7601.5	7005.6	6430.5	5857.7
30°	12222.8	11708.1	11166.6	10590.3	9981.6	9355.7	8724.0	8096.5	7461.4	6828.5	6222.6
27.5°	13017.9	12456.2	11867.7	11244.6	10594.4	9922.8	9244.2	8574.4	7897.0	7224.1	6570.8
25°	13791.7	13185.3	12536.1	11870.4	11181.0	10465.2	9735.8	9027.2	8319.8	7599.8	6883.3
22.5°	14536.4	13872.5	13172.9	12460.8	11735.6	10983.3	10205.5	9441.9	8709.8	7936.6	7187.9
20°	15223.2	14510.3	13763.3	13013.2	12246.2	11476.6	10643.1	9830.8	9043.4	8249.5	7464.0
17.5°	15832.5	15108.3	14324.6	13534.1	12717.5	11907.1	11052.1	10184.8	9350.5	8527.5	7707.1
15°	16369.5	15645.9	14852.3	14018.7	13146.9	12261.9	11398.4	10497.6	9630.3	8773.4	7931.8
12.5°	16857.2	16099.7	15307.2	14425.5	13500.0	12576.7	11678.8	10771.6	9879.1	8998.2	8133.9
10°	17295.0	16471.4	15632.9	14739.4	13795.5	12842.4	11917.8	11002.1	10090.8	9190.8	8300.6
7.5°	17595.0	16747.2	15880.7	14990.3	14044.9	13076.8	12124.4	11187.2	10256.0	9344.1	8430.6
5°	17816.5	16964.8	16095.6	15192.7	14238.5	13251.8	12276.8	11321.5	10373.5	9456.3	8523.2
2.5°	17986.6	17113.6	16242.2	15319.3	14363.8	13370.0	12385.8	11422.4	10466.8	9538.5	8605.1
0°	18107.2	17169.2	16326.7	15420.5	14442.8	13441.3	12455.6	11485.9	10524.1	9578.2	8648.2
-2.5°	17986.6	17113.6	16242.2	15319.3	14363.8	13370.0	12385.8	11422.4	10466.8	9538.5	8605.1
-5°	17816.5	16964.8	16095.6	15192.7	14238.5	13251.8	12276.8	11321.5	10373.5	9456.3	8523.2
-7.5°	17595.0	16747.2	15880.7	14990.3	14044.9	13076.8	12124.4	11187.2	10256.0	9344.1	8430.6
-10°	17295.0	16471.4	15632.9	14739.4	13795.5	12842.4	11917.8	11002.1	10090.8	9190.8	8300.6
-12.5°	16857.2	16099.7	15307.2	14425.5	13500.0	12576.7	11678.8	10771.6	9879.1	8998.2	8133.9
-15°	16369.5	15645.9	14852.3	14018.7	13146.9	12261.9	11398.4	10497.6	9630.3	8773.4	7931.8
-17.5°	15832.5	15108.3	14324.6	13534.1	12717.5	11907.1	11052.1	10184.8	9350.5	8527.5	7707.1
-20°	15223.2	14510.3	13763.3	13013.2	12246.2	11476.6	10643.1	9830.8	9043.4	8249.5	7464.0



REPORT NUMBER: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-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°	14536.4	13872.5	13172.9	12460.8	11735.6	10983.3	10205.5	9441.9	8709.8	7936.6	7187.9
-25°	13791.7	13185.3	12536.1	11870.4	11181.0	10465.2	9735.8	9027.2	8319.8	7599.8	6883.3
-27.5°	13017.9	12456.2	11867.7	11244.6	10594.4	9922.8	9244.2	8574.4	7897.0	7224.1	6570.8
-30°	12222.8	11708.1	11166.6	10590.3	9981.6	9355.7	8724.0	8096.5	7461.4	6828.5	6222.6
-32.5°	11411.3	10946.5	10446.7	9913.1	9351.8	8777.0	8193.9	7601.5	7005.6	6430.5	5857.7
-35°	10606.6	10177.6	9714.0	9226.5	8716.6	8188.4	7646.0	7097.6	6553.2	6014.6	5476.7
-37.5°	9794.5	9402.7	8982.6	8536.3	8072.9	7590.5	7096.1	6595.3	6089.2	5591.2	5094.8
-40°	9002.8	8640.2	8252.4	7847.1	7433.5	6998.0	6548.6	6086.0	5627.0	5164.2	4706.6
-42.5°	8228.9	7893.6	7538.0	7183.4	6804.1	6408.8	5998.3	5582.4	5159.8	4738.9	4334.4
-45°	7451.8	7153.7	6846.3	6523.8	6176.1	5823.1	5455.1	5077.7	4693.1	4328.3	3958.1
-47.5°	6679.3	6437.7	6163.4	5870.6	5566.4	5246.4	4918.5	4573.8	4254.1	3922.3	3606.5
-50°	5976.5	5753.4	5506.5	5241.9	4976.3	4689.8	4401.6	4115.0	3826.0	3539.9	3262.0
-52.5°	5284.5	5089.8	4875.6	4645.3	4406.5	4159.3	3907.4	3669.0	3413.9	3180.6	2948.7
-55°	4613.3	4450.8	4266.1	4063.3	3853.3	3663.1	3455.8	3248.2	3052.3	2846.2	2654.3
-57.5°	3983.3	3845.6	3698.4	3541.2	3374.8	3210.8	3045.0	2873.8	2711.2	2541.3	2367.2
-60°	3414.9	3303.0	3190.4	3067.1	2933.1	2792.7	2664.7	2528.6	2384.8	2245.4	2091.6
-62.5°	2902.2	2827.1	2729.1	2629.7	2528.2	2423.6	2311.0	2199.0	2085.2	1962.1	1821.8
-65°	2418.6	2359.4	2287.3	2218.7	2143.9	2062.4	1970.5	1879.4	1784.1	1679.7	1555.0
-67.5°	1978.5	1937.7	1888.0	1834.9	1781.4	1718.6	1646.8	1568.2	1490.3	1403.3	1305.1
-70°	1606.6	1580.1	1544.9	1501.1	1457.9	1412.9	1359.3	1295.0	1219.6	1141.2	1069.6
-72.5°	1305.5	1288.8	1265.4	1233.1	1194.8	1154.0	1104.0	1045.5	980.9	909.9	845.6
-75°	1057.8	1050.4	1035.3	1002.4	963.1	916.8	868.8	815.9	754.0	683.0	622.0
-77.5°	838.9	839.8	833.1	797.3	758.0	715.0	666.0	605.7	545.3	484.4	437.8
-80°	616.0	620.2	616.1	580.2	543.7	507.0	468.1	418.0	367.3	319.1	282.9
-82.5°	382.1	380.4	374.9	353.4	331.6	309.7	286.8	252.5	218.8	186.1	157.5
-85°	182.0	174.9	167.3	159.3	150.9	142.2	132.8	116.5	101.2	87.0	74.8
-87.5°	29.9	29.4	28.8	28.2	27.5	26.8	26.0	25.2	24.4	23.4	22.5
-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: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-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°	22.8	23.0	23.0	22.8	20.3	17.9	15.6	13.4	12.2	10.9	9.6
85°	75.1	73.3	69.4	62.9	49.5	35.6	31.1	26.9	24.3	21.7	19.1
82.5°	156.9	158.5	158.4	153.7	135.6	116.6	96.7	76.0	56.4	35.8	28.6
80°	283.4	280.3	273.7	260.7	231.0	197.5	172.2	146.0	120.4	93.7	65.9
77.5°	428.5	416.3	401.3	384.3	352.7	315.7	273.2	225.0	184.2	151.4	117.1
75°	590.6	571.1	550.1	521.8	481.3	435.0	388.2	332.0	269.6	210.7	168.0
72.5°	794.0	746.8	704.6	664.9	621.0	569.3	509.6	437.2	361.3	289.7	222.6
70°	999.9	929.2	866.1	812.0	759.1	704.9	639.3	550.1	451.4	367.1	288.0
67.5°	1209.1	1125.4	1040.9	960.0	893.2	829.4	766.2	662.4	549.3	442.8	352.0
65°	1439.9	1328.2	1220.9	1120.9	1030.3	950.5	876.4	767.5	644.3	524.5	414.2
62.5°	1677.6	1535.2	1408.1	1280.6	1167.8	1070.8	981.6	861.5	735.1	603.5	479.2
60°	1927.6	1765.4	1596.4	1447.5	1309.2	1186.6	1078.6	954.2	820.1	679.6	543.7
57.5°	2190.8	2000.1	1810.2	1622.0	1456.0	1308.8	1173.0	1042.2	903.6	754.6	603.9
55°	2457.4	2252.0	2027.5	1815.3	1611.6	1436.5	1272.8	1126.5	984.2	828.3	655.8
52.5°	2724.4	2498.8	2257.8	2012.7	1784.7	1565.6	1382.7	1208.7	1058.4	900.4	709.9
50°	3003.7	2745.0	2486.8	2222.0	1956.8	1716.7	1488.7	1303.0	1130.4	968.8	761.2
47.5°	3294.4	3006.1	2718.8	2429.5	2145.1	1861.4	1612.6	1395.2	1200.1	1030.8	808.9
45°	3613.0	3275.9	2957.8	2644.9	2323.3	2017.7	1737.9	1483.6	1279.0	1078.9	852.8
42.5°	3931.3	3560.6	3205.2	2857.2	2509.9	2173.0	1856.7	1587.6	1354.5	1125.1	893.3
40°	4270.0	3846.3	3452.3	3074.7	2692.1	2320.7	1988.4	1688.9	1425.2	1173.0	931.6
37.5°	4599.3	4139.2	3706.2	3282.5	2870.7	2480.2	2114.9	1783.9	1492.3	1226.8	967.9
35°	4947.8	4433.5	3940.9	3491.6	3054.4	2631.5	2233.4	1879.7	1569.6	1279.3	1002.1
32.5°	5284.5	4721.3	4193.0	3697.8	3229.9	2774.1	2355.3	1981.1	1643.8	1330.2	1034.1
30°	5615.4	5010.0	4434.5	3892.8	3400.0	2923.6	2477.5	2075.9	1714.8	1379.3	1066.1
27.5°	5920.4	5277.5	4666.0	4094.4	3567.0	3065.6	2592.9	2163.8	1782.2	1429.9	1103.3
25°	6204.6	5534.8	4894.2	4288.4	3722.1	3199.9	2699.3	2245.1	1850.8	1482.6	1137.8
22.5°	6471.2	5773.8	5101.0	4467.1	3865.7	3323.4	2802.9	2331.7	1915.6	1531.1	1169.5
20°	6713.5	5988.9	5286.2	4629.1	4005.5	3441.0	2902.6	2409.4	1973.6	1575.2	1197.9
17.5°	6931.8	6185.6	5463.0	4780.5	4135.6	3545.5	2991.2	2477.9	2024.5	1614.4	1222.9
15°	7134.5	6364.3	5619.2	4912.6	4248.3	3636.4	3068.3	2537.0	2068.2	1648.5	1246.9
12.5°	7308.7	6517.7	5751.8	5024.9	4343.1	3713.4	3133.5	2586.4	2104.4	1679.4	1269.3
10°	7452.1	6644.4	5860.1	5116.7	4419.9	3776.2	3186.5	2628.0	2138.4	1706.0	1286.6
7.5°	7563.8	6743.6	5943.5	5187.5	4480.8	3828.6	3231.6	2664.0	2165.8	1726.5	1298.7
5°	7648.4	6821.2	6016.1	5246.9	4536.8	3870.9	3264.5	2689.8	2185.7	1740.6	1305.6
2.5°	7723.5	6879.3	6073.1	5285.3	4574.8	3898.5	3284.2	2705.3	2197.7	1748.1	1307.2
0°	7765.9	6907.4	6104.6	5301.8	4594.4	3910.8	3290.8	2710.5	2201.8	1748.7	1303.6
-2.5°	7723.5	6879.3	6073.1	5285.3	4574.8	3898.5	3284.2	2705.3	2197.7	1748.1	1307.2
-5°	7648.4	6821.2	6016.1	5246.9	4536.8	3870.9	3264.5	2689.8	2185.7	1740.6	1305.6
-7.5°	7563.8	6743.6	5943.5	5187.5	4480.8	3828.6	3231.6	2664.0	2165.8	1726.5	1298.7
-10°	7452.1	6644.4	5860.1	5116.7	4419.9	3776.2	3186.5	2628.0	2138.4	1706.0	1286.6
-12.5°	7308.7	6517.7	5751.8	5024.9	4343.1	3713.4	3133.5	2586.4	2104.4	1679.4	1269.3
-15°	7134.5	6364.3	5619.2	4912.6	4248.3	3636.4	3068.3	2537.0	2068.2	1648.5	1246.9
-17.5°	6931.8	6185.6	5463.0	4780.5	4135.6	3545.5	2991.2	2477.9	2024.5	1614.4	1222.9
-20°	6713.5	5988.9	5286.2	4629.1	4005.5	3441.0	2902.6	2409.4	1973.6	1575.2	1197.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6471.2	5773.8	5101.0	4467.1	3865.7	3323.4	2802.9	2331.7	1915.6	1531.1	1169.5
-25°	6204.6	5534.8	4894.2	4288.4	3722.1	3199.9	2699.3	2245.1	1850.8	1482.6	1137.8
-27.5°	5920.4	5277.5	4666.0	4094.4	3567.0	3065.6	2592.9	2163.8	1782.2	1429.9	1103.3
-30°	5615.4	5010.0	4434.5	3892.8	3400.0	2923.6	2477.5	2075.9	1714.8	1379.3	1066.1
-32.5°	5284.5	4721.3	4193.0	3697.8	3229.9	2774.1	2355.3	1981.1	1643.8	1330.2	1034.1
-35°	4947.8	4433.5	3940.9	3491.6	3054.4	2631.5	2233.4	1879.7	1569.6	1279.3	1002.1
-37.5°	4599.3	4139.2	3706.2	3282.5	2870.7	2480.2	2114.9	1783.9	1492.3	1226.8	967.9
-40°	4270.0	3846.3	3452.3	3074.7	2692.1	2320.7	1988.4	1688.9	1425.2	1173.0	931.6
-42.5°	3931.3	3560.6	3205.2	2857.2	2509.9	2173.0	1856.7	1587.6	1354.5	1125.1	893.3
-45°	3613.0	3275.9	2957.8	2644.9	2323.3	2017.7	1737.9	1483.6	1279.0	1078.9	852.8
-47.5°	3294.4	3006.1	2718.8	2429.5	2145.1	1861.4	1612.6	1395.2	1200.1	1030.8	808.9
-50°	3003.7	2745.0	2486.8	2222.0	1956.8	1716.7	1488.7	1303.0	1130.4	968.8	761.2
-52.5°	2724.4	2498.8	2257.8	2012.7	1784.7	1565.6	1382.7	1208.7	1058.4	900.4	709.9
-55°	2457.4	2252.0	2027.5	1815.3	1611.6	1436.5	1272.8	1126.5	984.2	828.3	655.8
-57.5°	2190.8	2000.1	1810.2	1622.0	1456.0	1308.8	1173.0	1042.2	903.6	754.6	603.9
-60°	1927.6	1765.4	1596.4	1447.5	1309.2	1186.6	1078.6	954.2	820.1	679.6	543.7
-62.5°	1677.6	1535.2	1408.1	1280.6	1167.8	1070.8	981.6	861.5	735.1	603.5	479.2
-65°	1439.9	1328.2	1220.9	1120.9	1030.3	950.5	876.4	767.5	644.3	524.5	414.2
-67.5°	1209.1	1125.4	1040.9	960.0	893.2	829.4	766.2	662.4	549.3	442.8	352.0
-70°	999.9	929.2	866.1	812.0	759.1	704.9	639.3	550.1	451.4	367.1	288.0
-72.5°	794.0	746.8	704.6	664.9	621.0	569.3	509.6	437.2	361.3	289.7	222.6
-75°	590.6	571.1	550.1	521.8	481.3	435.0	388.2	332.0	269.6	210.7	168.0
-77.5°	428.5	416.3	401.3	384.3	352.7	315.7	273.2	225.0	184.2	151.4	117.1
-80°	283.4	280.3	273.7	260.7	231.0	197.5	172.2	146.0	120.4	93.7	65.9
-82.5°	156.9	158.5	158.4	153.7	135.6	116.6	96.7	76.0	56.4	35.8	28.6
-85°	75.1	73.3	69.4	62.9	49.5	35.6	31.1	26.9	24.3	21.7	19.1
-87.5°	22.8	23.0	23.0	22.8	20.3	17.9	15.6	13.4	12.2	10.9	9.6
-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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Cooper Lighting Solutions Photometric Lab
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CATALOG NUMBER: GFLD-SA5D-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°	8.2	6.9	5.5	4.1	2.8	1.2	0.0
85°	16.4	13.7	11.0	8.3	5.5	2.4	0.0
82.5°	24.6	20.6	16.5	12.4	8.3	3.6	0.0
80°	37.1	27.4	22.0	16.5	11.0	4.8	0.0
77.5°	80.7	42.9	27.4	20.6	13.7	6.0	0.0
75°	123.3	74.3	35.7	24.6	16.3	7.2	0.0
72.5°	164.6	104.8	56.9	28.6	18.9	8.3	0.0
70°	205.9	134.2	77.4	34.3	21.4	9.4	0.0
67.5°	255.4	162.3	97.1	47.0	23.8	10.5	0.0
65°	302.7	193.8	115.9	59.1	26.2	11.6	0.0
62.5°	347.7	228.3	133.8	70.8	28.5	12.6	0.0
60°	390.1	261.0	150.5	81.8	30.7	13.6	0.0
57.5°	434.7	291.6	172.9	92.1	36.9	14.6	0.0
55°	477.0	320.2	194.1	101.8	42.9	15.5	0.0
52.5°	516.1	347.3	213.9	110.7	48.7	16.4	0.0
50°	552.0	376.0	232.2	118.8	54.3	17.3	0.0
47.5°	585.6	402.3	248.8	127.3	59.6	18.1	0.0
45°	623.0	426.0	263.8	138.3	64.6	18.8	0.0
42.5°	657.2	447.0	277.0	148.3	69.4	19.5	0.0
40°	688.3	465.4	290.3	158.5	73.9	20.2	0.0
37.5°	716.1	481.1	303.5	168.7	78.1	20.8	0.0
35°	740.7	499.3	314.9	178.1	82.0	21.4	0.0
32.5°	763.4	517.5	324.3	186.8	85.6	21.9	0.0
30°	787.0	533.0	331.9	194.7	88.9	22.3	0.0
27.5°	808.2	545.8	343.3	201.9	91.8	22.7	0.0
25°	826.9	556.0	353.9	208.4	94.5	23.1	0.0
22.5°	842.9	566.3	363.3	214.0	96.8	23.4	0.0
20°	856.1	580.3	371.4	218.9	98.8	23.7	0.0
17.5°	872.6	591.8	378.2	223.1	100.5	23.8	0.0
15°	889.8	600.8	383.7	226.4	101.9	24.0	0.0
12.5°	903.7	607.2	387.8	229.0	102.9	24.1	0.0
10°	914.4	611.2	390.7	230.8	103.6	24.1	0.0
7.5°	921.6	612.9	392.3	231.9	104.0	24.1	0.0
5°	925.4	612.2	392.6	232.2	104.1	24.1	0.0
2.5°	925.6	609.2	391.7	231.7	103.8	24.0	0.0
0°	922.1	604.1	389.5	230.5	103.3	23.8	0.0
-2.5°	925.6	609.2	391.7	231.7	103.8	24.0	0.0
-5°	925.4	612.2	392.6	232.2	104.1	24.1	0.0
-7.5°	921.6	612.9	392.3	231.9	104.0	24.1	0.0
-10°	914.4	611.2	390.7	230.8	103.6	24.1	0.0
-12.5°	903.7	607.2	387.8	229.0	102.9	24.1	0.0
-15°	889.8	600.8	383.7	226.4	101.9	24.0	0.0
-17.5°	872.6	591.8	378.2	223.1	100.5	23.8	0.0
-20°	856.1	580.3	371.4	218.9	98.8	23.7	0.0

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Scaled Data Report



REPORT NUMBER: P627701 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-735-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	842.9	566.3	363.3	214.0	96.8	23.4	0.0
-25°	826.9	556.0	353.9	208.4	94.5	23.1	0.0
-27.5°	808.2	545.8	343.3	201.9	91.8	22.7	0.0
-30°	787.0	533.0	331.9	194.7	88.9	22.3	0.0
-32.5°	763.4	517.5	324.3	186.8	85.6	21.9	0.0
-35°	740.7	499.3	314.9	178.1	82.0	21.4	0.0
-37.5°	716.1	481.1	303.5	168.7	78.1	20.8	0.0
-40°	688.3	465.4	290.3	158.5	73.9	20.2	0.0
-42.5°	657.2	447.0	277.0	148.3	69.4	19.5	0.0
-45°	623.0	426.0	263.8	138.3	64.6	18.8	0.0
-47.5°	585.6	402.3	248.8	127.3	59.6	18.1	0.0
-50°	552.0	376.0	232.2	118.8	54.3	17.3	0.0
-52.5°	516.1	347.3	213.9	110.7	48.7	16.4	0.0
-55°	477.0	320.2	194.1	101.8	42.9	15.5	0.0
-57.5°	434.7	291.6	172.9	92.1	36.9	14.6	0.0
-60°	390.1	261.0	150.5	81.8	30.7	13.6	0.0
-62.5°	347.7	228.3	133.8	70.8	28.5	12.6	0.0
-65°	302.7	193.8	115.9	59.1	26.2	11.6	0.0
-67.5°	255.4	162.3	97.1	47.0	23.8	10.5	0.0
-70°	205.9	134.2	77.4	34.3	21.4	9.4	0.0
-72.5°	164.6	104.8	56.9	28.6	18.9	8.3	0.0
-75°	123.3	74.3	35.7	24.6	16.3	7.2	0.0
-77.5°	80.7	42.9	27.4	20.6	13.7	6.0	0.0
-80°	37.1	27.4	22.0	16.5	11.0	4.8	0.0
-82.5°	24.6	20.6	16.5	12.4	8.3	3.6	0.0
-85°	16.4	13.7	11.0	8.3	5.5	2.4	0.0
-87.5°	8.2	6.9	5.5	4.1	2.8	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)