

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: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5D-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627711 (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-740-U-VWR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N127
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

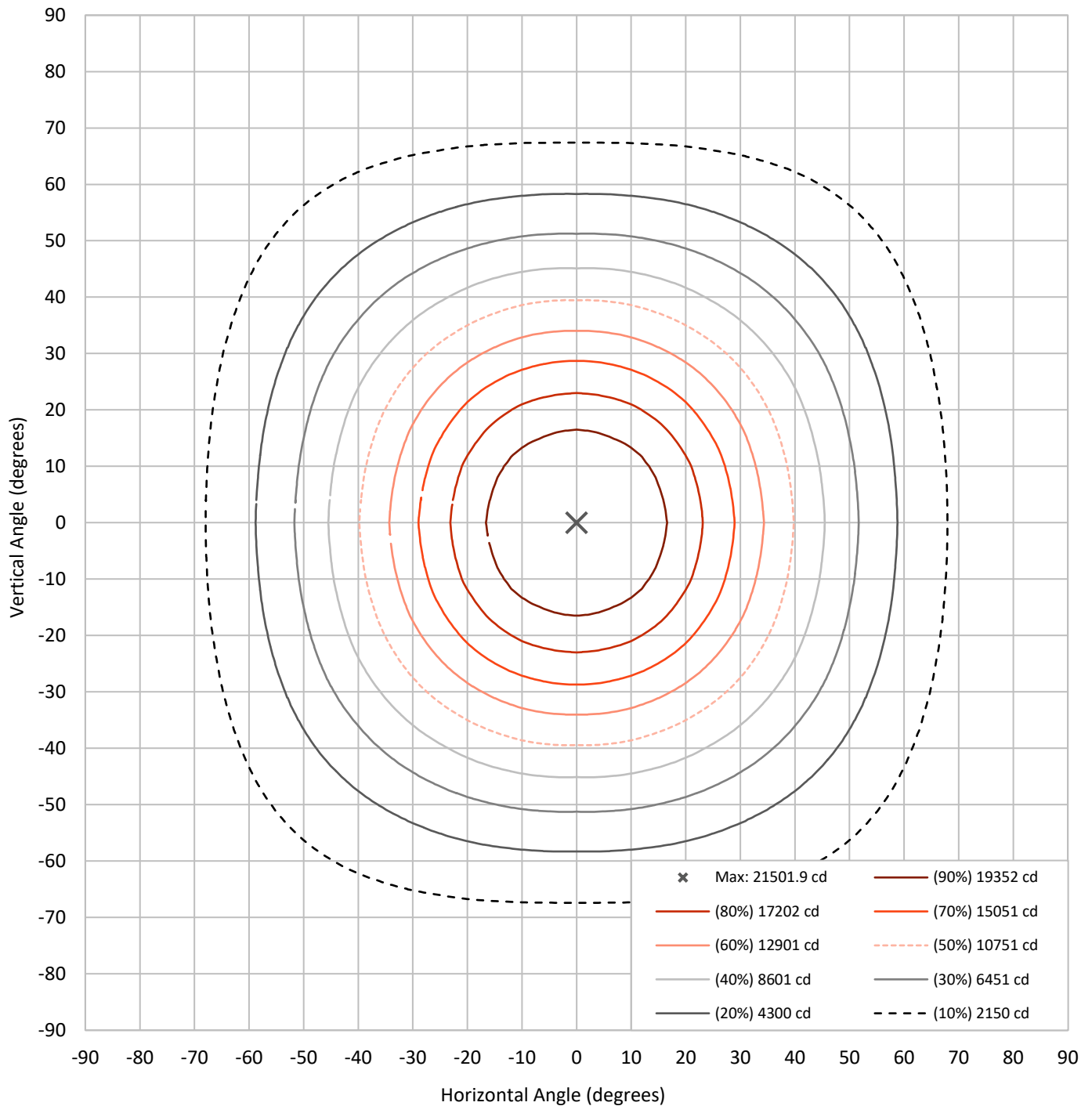
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	38862.7 lumens	Max Intensity:	21501.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	143.2 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:	22793.2 lumens	Field Lumens:	37049 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





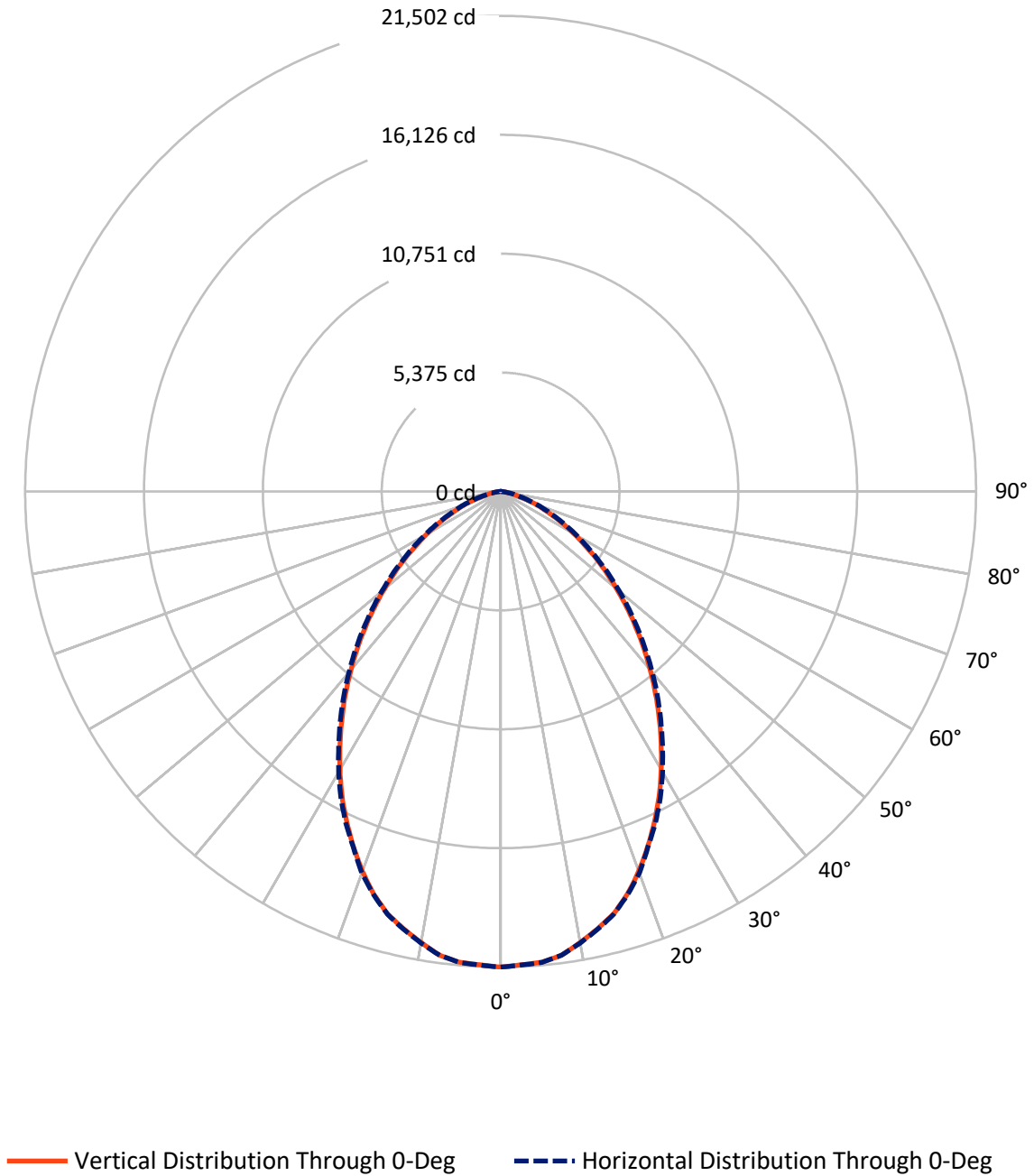
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Lumen Table

90																			
80	1.3	15.9	43.4	73.6	69.4	73.6	43.4	15.9	1.3										
70																			
60	7.2	10.0	20.1	34.3	50.2	64.8	75.8	81.1	81.1	75.8	64.8	50.2	34.3	20.1	10.0				7.2
50																			
40	12.7	15.0	32.7	58.3	88.3	120.0	146.0	159.6	159.6	146.0	120.0	88.3	58.3	32.7	15.0				12.7
30																			
20	16.3	20.1	47.3	87.2	138.2	191.6	236.3	260.8	260.8	236.3	191.6	138.2	87.2	47.3	20.1				16.3
10																			
0	17.7	25.4	62.6	120.1	193.5	271.3	337.7	375.5	375.5	337.7	271.3	193.5	120.1	62.6	25.4				17.7
-10																			
-20	16.3	30.4	77.0	151.0	246.4	349.7	439.9	491.6	491.6	439.9	349.7	246.4	151.0	77.0	30.4				16.3
-30																			
-40	12.7	34.3	88.2	174.2	287.6	413.3	524.2	587.2	587.2	524.2	413.3	287.6	174.2	88.2	34.3				12.7
-50																			
-60	7.2	36.4	94.3	187.3	310.6	448.6	569.8	636.1	636.1	569.8	448.6	310.6	187.3	94.3	36.4				7.2
-70																			
-80	1.3	36.4	94.3	187.3	310.6	448.6	569.8	636.1	636.1	569.8	448.6	310.6	187.3	94.3	36.4				1.3
-90																			

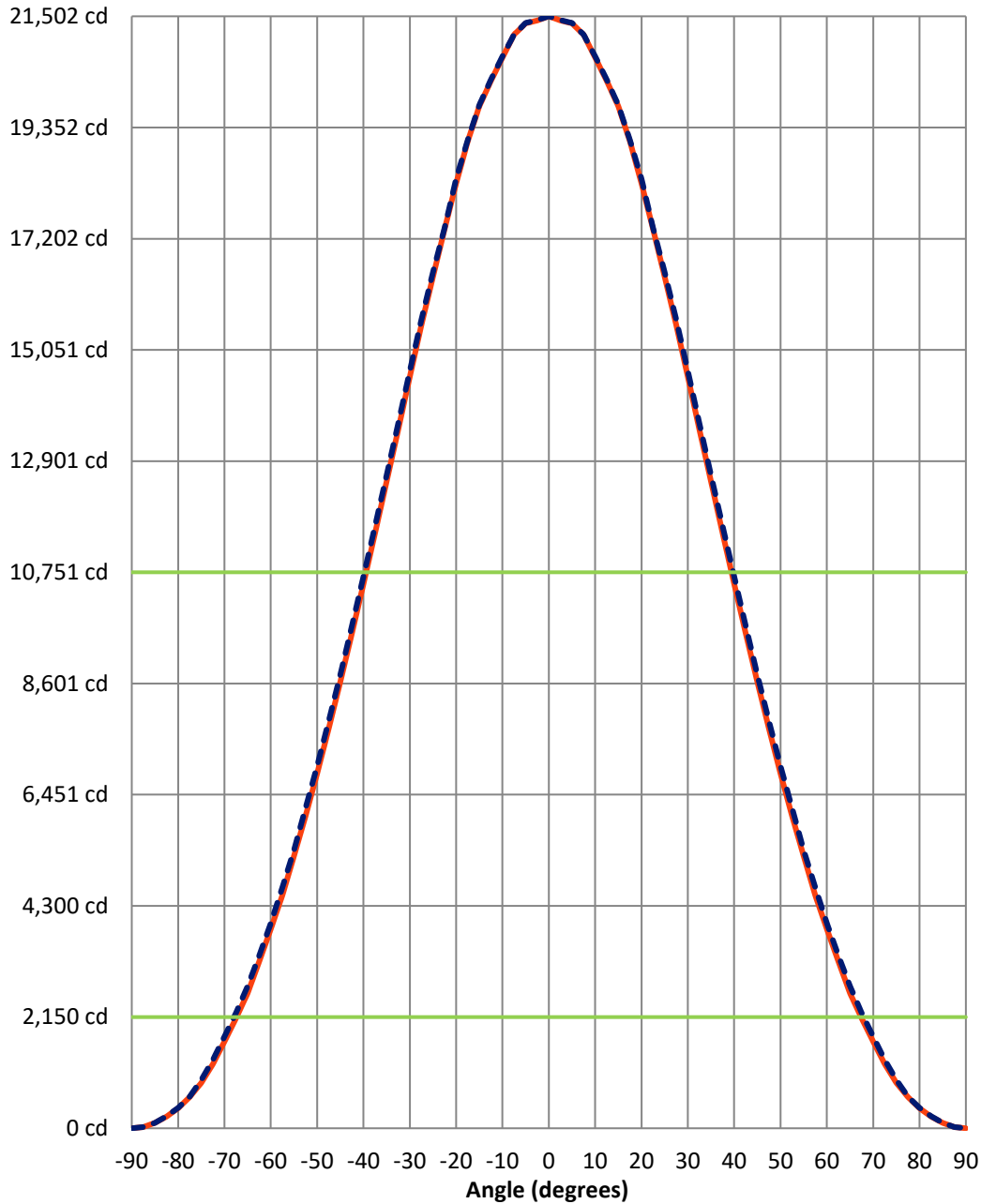
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 22793.2
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 37049
 Efficiency: 95.3%

Spill:
 Lumens: 1813.8
 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	1.2	2.8	4.2	5.6	7.0	8.3	9.7	11.0	12.3	13.6
85°	0.0	2.5	5.6	8.4	11.2	13.9	16.6	19.3	22.0	24.6	27.2
82.5°	0.0	3.7	8.4	12.6	16.7	20.9	24.9	29.0	36.3	57.1	77.1
80°	0.0	4.9	11.1	16.7	22.3	27.7	37.5	66.8	95.0	122.1	148.1
77.5°	0.0	6.1	13.8	20.9	27.7	43.5	81.8	118.7	153.4	186.8	228.1
75°	0.0	7.3	16.5	24.9	36.1	75.3	125.0	170.3	213.6	273.3	336.7
72.5°	0.0	8.4	19.1	29.0	57.6	106.2	166.8	225.6	293.7	366.4	443.3
70°	0.0	9.6	21.7	34.7	78.4	136.0	208.7	292.0	372.2	457.7	557.7
67.5°	0.0	10.7	24.2	47.6	98.4	164.5	258.9	356.9	449.0	557.0	671.6
65°	0.0	11.8	26.6	59.9	117.5	196.5	306.9	420.0	531.8	653.2	778.2
62.5°	0.0	12.8	28.9	71.7	135.6	231.5	352.5	485.9	611.9	745.3	873.5
60°	0.0	13.8	31.1	82.9	152.6	264.6	395.5	551.3	689.0	831.5	967.5
57.5°	0.0	14.8	37.4	93.4	175.3	295.7	440.7	612.3	765.1	916.1	1056.7
55°	0.0	15.8	43.5	103.2	196.8	324.6	483.6	664.9	839.8	997.9	1142.2
52.5°	0.0	16.7	49.4	112.2	216.9	352.1	523.3	719.7	912.9	1073.1	1225.5
50°	0.0	17.5	55.0	120.5	235.4	381.2	559.6	771.7	982.2	1146.2	1321.0
47.5°	0.0	18.3	60.4	129.1	252.3	407.8	593.7	820.1	1045.1	1216.8	1414.6
45°	0.0	19.1	65.5	140.3	267.4	431.9	631.6	864.7	1093.9	1296.8	1504.2
42.5°	0.0	19.8	70.4	150.4	280.9	453.2	666.3	905.7	1140.7	1373.3	1609.6
40°	0.0	20.5	74.9	160.8	294.3	471.9	697.9	944.5	1189.3	1445.0	1712.4
37.5°	0.0	21.1	79.2	171.0	307.7	487.8	726.1	981.3	1243.9	1513.0	1808.7
35°	0.0	21.7	83.2	180.6	319.2	506.2	751.0	1016.0	1297.1	1591.4	1905.8
32.5°	0.0	22.2	86.8	189.4	328.8	524.6	774.0	1048.5	1348.7	1666.7	2008.6
30°	0.0	22.7	90.1	197.4	336.5	540.4	798.0	1081.0	1398.5	1738.6	2104.7
27.5°	0.0	23.1	93.1	204.7	348.0	553.4	819.5	1118.6	1449.7	1806.9	2193.8
25°	0.0	23.5	95.8	211.2	358.8	563.7	838.4	1153.7	1503.2	1876.5	2276.4
22.5°	0.0	23.8	98.2	217.0	368.3	574.1	854.6	1185.7	1552.4	1942.3	2364.1
20°	0.0	24.0	100.2	222.0	376.5	588.4	868.0	1214.6	1597.1	2001.1	2442.9
17.5°	0.0	24.2	101.9	226.2	383.4	600.1	884.8	1240.0	1636.8	2052.7	2512.3
15°	0.0	24.4	103.3	229.6	389.0	609.2	902.2	1264.2	1671.4	2096.9	2572.2
12.5°	0.0	24.5	104.4	232.2	393.2	615.7	916.3	1287.0	1702.7	2133.7	2622.3
10°	0.0	24.5	105.1	234.0	396.1	619.8	927.1	1304.5	1729.7	2168.1	2664.6
7.5°	0.0	24.5	105.5	235.1	397.7	621.4	934.5	1316.8	1750.5	2195.9	2701.1
5°	0.0	24.5	105.6	235.4	398.1	620.7	938.3	1323.8	1764.8	2216.1	2727.2
2.5°	0.0	24.4	105.3	234.9	397.1	617.7	938.4	1325.4	1772.4	2228.3	2743.0
0°	0.0	24.2	104.8	233.7	394.9	612.5	934.9	1321.7	1773.0	2232.4	2748.2
-2.5°	0.0	24.4	105.3	234.9	397.1	617.7	938.4	1325.4	1772.4	2228.3	2743.0
-5°	0.0	24.5	105.6	235.4	398.1	620.7	938.3	1323.8	1764.8	2216.1	2727.2
-7.5°	0.0	24.5	105.5	235.1	397.7	621.4	934.5	1316.8	1750.5	2195.9	2701.1
-10°	0.0	24.5	105.1	234.0	396.1	619.8	927.1	1304.5	1729.7	2168.1	2664.6
-12.5°	0.0	24.5	104.4	232.2	393.2	615.7	916.3	1287.0	1702.7	2133.7	2622.3
-15°	0.0	24.4	103.3	229.6	389.0	609.2	902.2	1264.2	1671.4	2096.9	2572.2
-17.5°	0.0	24.2	101.9	226.2	383.4	600.1	884.8	1240.0	1636.8	2052.7	2512.3
-20°	0.0	24.0	100.2	222.0	376.5	588.4	868.0	1214.6	1597.1	2001.1	2442.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	23.8	98.2	217.0	368.3	574.1	854.6	1185.7	1552.4	1942.3	2364.1
-25°	0.0	23.5	95.8	211.2	358.8	563.7	838.4	1153.7	1503.2	1876.5	2276.4
-27.5°	0.0	23.1	93.1	204.7	348.0	553.4	819.5	1118.6	1449.7	1806.9	2193.8
-30°	0.0	22.7	90.1	197.4	336.5	540.4	798.0	1081.0	1398.5	1738.6	2104.7
-32.5°	0.0	22.2	86.8	189.4	328.8	524.6	774.0	1048.5	1348.7	1666.7	2008.6
-35°	0.0	21.7	83.2	180.6	319.2	506.2	751.0	1016.0	1297.1	1591.4	1905.8
-37.5°	0.0	21.1	79.2	171.0	307.7	487.8	726.1	981.3	1243.9	1513.0	1808.7
-40°	0.0	20.5	74.9	160.8	294.3	471.9	697.9	944.5	1189.3	1445.0	1712.4
-42.5°	0.0	19.8	70.4	150.4	280.9	453.2	666.3	905.7	1140.7	1373.3	1609.6
-45°	0.0	19.1	65.5	140.3	267.4	431.9	631.6	864.7	1093.9	1296.8	1504.2
-47.5°	0.0	18.3	60.4	129.1	252.3	407.8	593.7	820.1	1045.1	1216.8	1414.6
-50°	0.0	17.5	55.0	120.5	235.4	381.2	559.6	771.7	982.2	1146.2	1321.0
-52.5°	0.0	16.7	49.4	112.2	216.9	352.1	523.3	719.7	912.9	1073.1	1225.5
-55°	0.0	15.8	43.5	103.2	196.8	324.6	483.6	664.9	839.8	997.9	1142.2
-57.5°	0.0	14.8	37.4	93.4	175.3	295.7	440.7	612.3	765.1	916.1	1056.7
-60°	0.0	13.8	31.1	82.9	152.6	264.6	395.5	551.3	689.0	831.5	967.5
-62.5°	0.0	12.8	28.9	71.7	135.6	231.5	352.5	485.9	611.9	745.3	873.5
-65°	0.0	11.8	26.6	59.9	117.5	196.5	306.9	420.0	531.8	653.2	778.2
-67.5°	0.0	10.7	24.2	47.6	98.4	164.5	258.9	356.9	449.0	557.0	671.6
-70°	0.0	9.6	21.7	34.7	78.4	136.0	208.7	292.0	372.2	457.7	557.7
-72.5°	0.0	8.4	19.1	29.0	57.6	106.2	166.8	225.6	293.7	366.4	443.3
-75°	0.0	7.3	16.5	24.9	36.1	75.3	125.0	170.3	213.6	273.3	336.7
-77.5°	0.0	6.1	13.8	20.9	27.7	43.5	81.8	118.7	153.4	186.8	228.1
-80°	0.0	4.9	11.1	16.7	22.3	27.7	37.5	66.8	95.0	122.1	148.1
-82.5°	0.0	3.7	8.4	12.6	16.7	20.9	24.9	29.0	36.3	57.1	77.1
-85°	0.0	2.5	5.6	8.4	11.2	13.9	16.6	19.3	22.0	24.6	27.2
-87.5°	0.0	1.2	2.8	4.2	5.6	7.0	8.3	9.7	11.0	12.3	13.6
-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):

	-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°	15.8	18.1	20.5	23.1	23.3	23.3	23.1	22.8	23.7	24.7	25.5
85°	31.5	36.1	50.2	63.8	70.3	74.4	76.2	75.9	88.2	102.5	118.0
82.5°	98.0	118.3	137.5	155.9	160.6	160.8	159.2	159.7	188.7	221.9	255.9
80°	174.6	200.2	234.3	264.4	277.5	284.3	287.4	286.9	323.5	372.4	423.8
77.5°	277.0	320.2	357.7	389.7	406.9	422.1	434.4	443.9	491.1	552.9	614.1
75°	393.6	441.0	488.1	529.1	557.7	579.0	598.8	630.7	692.4	764.5	827.2
72.5°	516.7	577.2	629.7	674.2	714.4	757.2	805.0	857.3	922.5	994.5	1060.1
70°	648.2	714.7	769.6	823.3	878.1	942.1	1013.8	1084.4	1157.1	1236.6	1313.0
67.5°	776.8	841.0	905.7	973.3	1055.4	1141.1	1225.9	1323.2	1422.8	1511.0	1589.9
65°	888.6	963.8	1044.7	1136.5	1237.9	1346.7	1459.9	1576.7	1703.0	1808.9	1905.5
62.5°	995.3	1085.7	1184.0	1298.4	1427.7	1556.6	1701.0	1847.2	1989.4	2114.2	2229.5
60°	1093.6	1203.1	1327.4	1467.6	1618.6	1789.9	1954.4	2120.6	2276.6	2417.9	2563.8
57.5°	1189.3	1327.0	1476.2	1644.6	1835.4	2027.9	2221.2	2400.0	2576.6	2748.8	2913.7
55°	1290.5	1456.5	1634.0	1840.6	2055.7	2283.3	2491.5	2691.1	2885.7	3094.7	3293.3
52.5°	1401.8	1587.3	1809.5	2040.7	2289.2	2533.5	2762.2	2989.6	3224.8	3461.3	3719.9
50°	1509.3	1740.6	1984.1	2252.9	2521.3	2783.1	3045.4	3307.3	3589.1	3879.1	4172.1
47.5°	1635.0	1887.3	2174.9	2463.2	2756.5	3047.8	3340.1	3656.6	3976.7	4313.1	4637.3
45°	1762.1	2045.8	2355.6	2681.6	2998.8	3321.4	3663.2	4013.1	4388.4	4758.3	5148.3
42.5°	1882.6	2203.2	2544.8	2896.8	3249.7	3610.1	3985.9	4394.7	4804.8	5231.5	5660.0
40°	2016.0	2353.0	2729.5	3117.4	3500.3	3899.8	4329.3	4772.0	5236.1	5705.2	6170.5
37.5°	2144.3	2514.7	2910.5	3328.0	3757.7	4196.7	4663.1	5165.6	5668.9	6173.8	6686.9
35°	2264.4	2668.0	3096.8	3540.0	3995.7	4495.1	5016.5	5552.8	6098.1	6644.2	7196.2
32.5°	2388.0	2812.6	3274.8	3749.2	4251.3	4786.8	5357.8	5939.1	6519.8	7103.0	7707.2
30°	2511.9	2964.2	3447.2	3946.9	4496.1	5079.6	5693.4	6309.0	6923.4	7565.1	8209.0
27.5°	2628.9	3108.1	3616.6	4151.3	4730.8	5350.8	6002.6	6662.1	7324.5	8006.7	8693.5
25°	2736.8	3244.4	3773.8	4348.0	4962.2	5611.7	6290.8	6979.0	7705.4	8435.4	9152.6
22.5°	2841.8	3369.6	3919.4	4529.2	5171.9	5854.0	6561.1	7287.8	8046.9	8830.8	9573.0
20°	2942.9	3488.8	4061.1	4693.4	5359.7	6072.1	6806.8	7567.7	8364.1	9169.1	9967.4
17.5°	3032.8	3594.7	4193.0	4846.9	5538.9	6271.5	7028.2	7814.1	8646.0	9480.4	10326.3
15°	3110.9	3686.9	4307.3	4980.9	5697.3	6452.8	7233.6	8041.9	8895.2	9764.1	10643.4
12.5°	3177.1	3765.0	4403.5	5094.7	5831.7	6608.3	7410.2	8246.9	9123.3	10016.4	10921.3
10°	3230.8	3828.6	4481.3	5187.8	5941.5	6736.8	7555.6	8415.9	9318.5	10231.1	11154.9
7.5°	3276.5	3881.7	4543.1	5259.6	6026.1	6837.4	7668.8	8547.7	9474.0	10398.4	11342.7
5°	3309.8	3924.7	4599.8	5319.7	6099.7	6916.0	7754.6	8641.6	9587.8	10517.6	11478.8
2.5°	3329.8	3952.6	4638.4	5358.8	6157.5	6974.9	7830.8	8724.6	9671.1	10612.2	11581.1
0°	3336.5	3965.1	4658.2	5375.5	6189.4	7003.4	7873.8	8768.4	9711.3	10670.3	11645.5
-2.5°	3329.8	3952.6	4638.4	5358.8	6157.5	6974.9	7830.8	8724.6	9671.1	10612.2	11581.1
-5°	3309.8	3924.7	4599.8	5319.7	6099.7	6916.0	7754.6	8641.6	9587.8	10517.6	11478.8
-7.5°	3276.5	3881.7	4543.1	5259.6	6026.1	6837.4	7668.8	8547.7	9474.0	10398.4	11342.7
-10°	3230.8	3828.6	4481.3	5187.8	5941.5	6736.8	7555.6	8415.9	9318.5	10231.1	11154.9
-12.5°	3177.1	3765.0	4403.5	5094.7	5831.7	6608.3	7410.2	8246.9	9123.3	10016.4	10921.3
-15°	3110.9	3686.9	4307.3	4980.9	5697.3	6452.8	7233.6	8041.9	8895.2	9764.1	10643.4
-17.5°	3032.8	3594.7	4193.0	4846.9	5538.9	6271.5	7028.2	7814.1	8646.0	9480.4	10326.3
-20°	2942.9	3488.8	4061.1	4693.4	5359.7	6072.1	6806.8	7567.7	8364.1	9169.1	9967.4



REPORT NUMBER: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-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°	2841.8	3369.6	3919.4	4529.2	5171.9	5854.0	6561.1	7287.8	8046.9	8830.8	9573.0
-25°	2736.8	3244.4	3773.8	4348.0	4962.2	5611.7	6290.8	6979.0	7705.4	8435.4	9152.6
-27.5°	2628.9	3108.1	3616.6	4151.3	4730.8	5350.8	6002.6	6662.1	7324.5	8006.7	8693.5
-30°	2511.9	2964.2	3447.2	3946.9	4496.1	5079.6	5693.4	6309.0	6923.4	7565.1	8209.0
-32.5°	2388.0	2812.6	3274.8	3749.2	4251.3	4786.8	5357.8	5939.1	6519.8	7103.0	7707.2
-35°	2264.4	2668.0	3096.8	3540.0	3995.7	4495.1	5016.5	5552.8	6098.1	6644.2	7196.2
-37.5°	2144.3	2514.7	2910.5	3328.0	3757.7	4196.7	4663.1	5165.6	5668.9	6173.8	6686.9
-40°	2016.0	2353.0	2729.5	3117.4	3500.3	3899.8	4329.3	4772.0	5236.1	5705.2	6170.5
-42.5°	1882.6	2203.2	2544.8	2896.8	3249.7	3610.1	3985.9	4394.7	4804.8	5231.5	5660.0
-45°	1762.1	2045.8	2355.6	2681.6	2998.8	3321.4	3663.2	4013.1	4388.4	4758.3	5148.3
-47.5°	1635.0	1887.3	2174.9	2463.2	2756.5	3047.8	3340.1	3656.6	3976.7	4313.1	4637.3
-50°	1509.3	1740.6	1984.1	2252.9	2521.3	2783.1	3045.4	3307.3	3589.1	3879.1	4172.1
-52.5°	1401.8	1587.3	1809.5	2040.7	2289.2	2533.5	2762.2	2989.6	3224.8	3461.3	3719.9
-55°	1290.5	1456.5	1634.0	1840.6	2055.7	2283.3	2491.5	2691.1	2885.7	3094.7	3293.3
-57.5°	1189.3	1327.0	1476.2	1644.6	1835.4	2027.9	2221.2	2400.0	2576.6	2748.8	2913.7
-60°	1093.6	1203.1	1327.4	1467.6	1618.6	1789.9	1954.4	2120.6	2276.6	2417.9	2563.8
-62.5°	995.3	1085.7	1184.0	1298.4	1427.7	1556.6	1701.0	1847.2	1989.4	2114.2	2229.5
-65°	888.6	963.8	1044.7	1136.5	1237.9	1346.7	1459.9	1576.7	1703.0	1808.9	1905.5
-67.5°	776.8	841.0	905.7	973.3	1055.4	1141.1	1225.9	1323.2	1422.8	1511.0	1589.9
-70°	648.2	714.7	769.6	823.3	878.1	942.1	1013.8	1084.4	1157.1	1236.6	1313.0
-72.5°	516.7	577.2	629.7	674.2	714.4	757.2	805.0	857.3	922.5	994.5	1060.1
-75°	393.6	441.0	488.1	529.1	557.7	579.0	598.8	630.7	692.4	764.5	827.2
-77.5°	277.0	320.2	357.7	389.7	406.9	422.1	434.4	443.9	491.1	552.9	614.1
-80°	174.6	200.2	234.3	264.4	277.5	284.3	287.4	286.9	323.5	372.4	423.8
-82.5°	98.0	118.3	137.5	155.9	160.6	160.8	159.2	159.7	188.7	221.9	255.9
-85°	31.5	36.1	50.2	63.8	70.3	74.4	76.2	75.9	88.2	102.5	118.0
-87.5°	15.8	18.1	20.5	23.1	23.3	23.3	23.1	22.8	23.7	24.7	25.5
-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: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-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°	26.4	27.2	27.9	28.6	29.2	29.7	30.3	30.7	31.1	29.5	27.8
85°	134.6	144.1	153.0	161.5	169.7	177.3	184.5	191.2	197.3	180.3	161.3
82.5°	290.7	314.0	336.2	358.3	380.1	385.7	387.4	386.7	383.6	353.6	320.3
80°	474.6	514.1	551.3	588.3	624.7	628.8	624.7	617.2	606.5	567.1	522.4
77.5°	675.2	725.0	768.5	808.4	844.7	851.5	850.6	848.7	845.7	805.5	756.8
75°	880.9	929.6	976.5	1016.4	1049.7	1065.0	1072.5	1077.8	1080.7	1051.8	1014.0
72.5°	1119.4	1170.0	1211.4	1250.2	1282.9	1306.7	1323.7	1336.6	1345.4	1336.6	1321.1
70°	1378.2	1432.5	1478.1	1521.9	1566.4	1602.0	1628.9	1648.4	1660.8	1669.0	1674.7
67.5°	1669.6	1742.5	1806.1	1860.4	1914.1	1964.5	2005.9	2039.8	2066.0	2088.2	2105.2
65°	1997.9	2091.1	2173.7	2249.6	2319.1	2392.2	2452.2	2502.5	2543.0	2576.5	2603.4
62.5°	2343.1	2457.3	2563.3	2666.2	2767.0	2866.3	2942.5	3011.9	3073.7	3126.7	3169.0
60°	2701.8	2831.5	2973.8	3109.7	3234.7	3349.0	3462.4	3560.6	3644.7	3714.4	3770.7
57.5°	3087.3	3255.3	3421.7	3590.4	3749.9	3899.1	4038.7	4161.9	4266.0	4351.4	4423.1
55°	3503.8	3714.0	3906.9	4119.8	4325.4	4512.6	4677.4	4822.3	4947.6	5052.6	5141.7
52.5°	3961.7	4217.0	4467.7	4709.8	4943.3	5160.5	5357.9	5526.6	5676.7	5805.3	5907.9
50°	4462.7	4754.9	5045.4	5314.8	5583.1	5833.4	6059.6	6255.4	6430.0	6581.1	6700.1
47.5°	4986.8	5319.3	5643.7	5952.1	6249.0	6527.2	6772.2	6995.3	7213.0	7390.6	7531.0
45°	5530.9	5904.0	6261.9	6614.5	6941.4	7253.2	7555.4	7833.2	8056.7	8252.3	8416.6
42.5°	6081.7	6497.8	6898.6	7283.2	7642.7	8003.3	8343.2	8647.0	8901.8	9124.3	9310.9
40°	6639.6	7095.2	7536.8	7956.1	8367.0	8760.2	9127.9	9448.2	9735.6	9999.8	10219.9
37.5°	7194.8	7695.9	8185.1	8654.9	9107.4	9533.3	9930.6	10292.6	10616.9	10917.8	11162.1
35°	7752.3	8302.2	8837.7	9354.7	9849.0	10319.0	10753.9	11165.9	11548.0	11852.8	12102.8
32.5°	8307.7	8898.9	9481.8	10050.9	10591.9	11098.5	11569.8	12025.0	12418.1	12753.1	13040.6
30°	8845.2	9485.6	10120.3	10737.4	11321.8	11870.8	12392.6	12873.9	13296.7	13663.1	13985.5
27.5°	9372.5	10060.6	10741.6	11400.8	12032.7	12629.3	13198.8	13720.7	14182.1	14580.3	14920.2
25°	9871.0	10610.5	11336.4	12035.4	12710.4	13368.4	13983.3	14552.9	15045.7	15482.8	15832.1
22.5°	10347.3	11135.9	11898.6	12634.0	13355.9	14065.2	14738.4	15333.2	15855.4	16312.4	16699.0
20°	10790.9	11636.0	12416.4	13194.0	13954.5	14712.0	15434.7	16062.2	16614.8	17101.3	17527.5
17.5°	11205.7	12072.6	12894.2	13722.1	14523.6	15318.2	16052.5	16725.1	17321.3	17837.9	18284.2
15°	11556.8	12432.3	13329.5	14213.5	15058.7	15863.3	16596.9	17299.4	17961.5	18520.2	18972.7
12.5°	11841.1	12751.5	13687.6	14626.0	15519.8	16323.4	17091.5	17804.1	18499.4	19127.0	19543.0
10°	12083.4	13020.8	13987.2	14944.2	15850.0	16700.3	17535.4	18288.8	18972.1	19534.1	19998.6
7.5°	12292.9	13258.5	14240.0	15198.6	16101.3	16979.9	17839.5	18639.8	19329.5	19859.0	20273.3
5°	12447.4	13436.0	14436.4	15403.8	16319.2	17200.5	18064.1	18854.3	19527.6	20066.3	20518.2
2.5°	12557.9	13555.8	14563.4	15532.2	16467.9	17351.4	18236.5	19035.6	19687.7	20181.2	20613.9
0°	12628.7	13628.0	14643.5	15634.8	16553.5	17407.8	18358.8	19108.3	19785.3	20276.9	20728.2
-2.5°	12557.9	13555.8	14563.4	15532.2	16467.9	17351.4	18236.5	19035.6	19687.7	20181.2	20613.9
-5°	12447.4	13436.0	14436.4	15403.8	16319.2	17200.5	18064.1	18854.3	19527.6	20066.3	20518.2
-7.5°	12292.9	13258.5	14240.0	15198.6	16101.3	16979.9	17839.5	18639.8	19329.5	19859.0	20273.3
-10°	12083.4	13020.8	13987.2	14944.2	15850.0	16700.3	17535.4	18288.8	18972.1	19534.1	19998.6
-12.5°	11841.1	12751.5	13687.6	14626.0	15519.8	16323.4	17091.5	17804.1	18499.4	19127.0	19543.0
-15°	11556.8	12432.3	13329.5	14213.5	15058.7	15863.3	16596.9	17299.4	17961.5	18520.2	18972.7
-17.5°	11205.7	12072.6	12894.2	13722.1	14523.6	15318.2	16052.5	16725.1	17321.3	17837.9	18284.2
-20°	10790.9	11636.0	12416.4	13194.0	13954.5	14712.0	15434.7	16062.2	16614.8	17101.3	17527.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10347.3	11135.9	11898.6	12634.0	13355.9	14065.2	14738.4	15333.2	15855.4	16312.4	16699.0
-25°	9871.0	10610.5	11336.4	12035.4	12710.4	13368.4	13983.3	14552.9	15045.7	15482.8	15832.1
-27.5°	9372.5	10060.6	10741.6	11400.8	12032.7	12629.3	13198.8	13720.7	14182.1	14580.3	14920.2
-30°	8845.2	9485.6	10120.3	10737.4	11321.8	11870.8	12392.6	12873.9	13296.7	13663.1	13985.5
-32.5°	8307.7	8898.9	9481.8	10050.9	10591.9	11098.5	11569.8	12025.0	12418.1	12753.1	13040.6
-35°	7752.3	8302.2	8837.7	9354.7	9849.0	10319.0	10753.9	11165.9	11548.0	11852.8	12102.8
-37.5°	7194.8	7695.9	8185.1	8654.9	9107.4	9533.3	9930.6	10292.6	10616.9	10917.8	11162.1
-40°	6639.6	7095.2	7536.8	7956.1	8367.0	8760.2	9127.9	9448.2	9735.6	9999.8	10219.9
-42.5°	6081.7	6497.8	6898.6	7283.2	7642.7	8003.3	8343.2	8647.0	8901.8	9124.3	9310.9
-45°	5530.9	5904.0	6261.9	6614.5	6941.4	7253.2	7555.4	7833.2	8056.7	8252.3	8416.6
-47.5°	4986.8	5319.3	5643.7	5952.1	6249.0	6527.2	6772.2	6995.3	7213.0	7390.6	7531.0
-50°	4462.7	4754.9	5045.4	5314.8	5583.1	5833.4	6059.6	6255.4	6430.0	6581.1	6700.1
-52.5°	3961.7	4217.0	4467.7	4709.8	4943.3	5160.5	5357.9	5526.6	5676.7	5805.3	5907.9
-55°	3503.8	3714.0	3906.9	4119.8	4325.4	4512.6	4677.4	4822.3	4947.6	5052.6	5141.7
-57.5°	3087.3	3255.3	3421.7	3590.4	3749.9	3899.1	4038.7	4161.9	4266.0	4351.4	4423.1
-60°	2701.8	2831.5	2973.8	3109.7	3234.7	3349.0	3462.4	3560.6	3644.7	3714.4	3770.7
-62.5°	2343.1	2457.3	2563.3	2666.2	2767.0	2866.3	2942.5	3011.9	3073.7	3126.7	3169.0
-65°	1997.9	2091.1	2173.7	2249.6	2319.1	2392.2	2452.2	2502.5	2543.0	2576.5	2603.4
-67.5°	1669.6	1742.5	1806.1	1860.4	1914.1	1964.5	2005.9	2039.8	2066.0	2088.2	2105.2
-70°	1378.2	1432.5	1478.1	1521.9	1566.4	1602.0	1628.9	1648.4	1660.8	1669.0	1674.7
-72.5°	1119.4	1170.0	1211.4	1250.2	1282.9	1306.7	1323.7	1336.6	1345.4	1336.6	1321.1
-75°	880.9	929.6	976.5	1016.4	1049.7	1065.0	1072.5	1077.8	1080.7	1051.8	1014.0
-77.5°	675.2	725.0	768.5	808.4	844.7	851.5	850.6	848.7	845.7	805.5	756.8
-80°	474.6	514.1	551.3	588.3	624.7	628.8	624.7	617.2	606.5	567.1	522.4
-82.5°	290.7	314.0	336.2	358.3	380.1	385.7	387.4	386.7	383.6	353.6	320.3
-85°	134.6	144.1	153.0	161.5	169.7	177.3	184.5	191.2	197.3	180.3	161.3
-87.5°	26.4	27.2	27.9	28.6	29.2	29.7	30.3	30.7	31.1	29.5	27.8
-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: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-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°	26.0	24.1	24.2	24.2	24.2	24.1	26.0	27.8	29.5	31.1	30.7
85°	141.3	120.3	112.7	104.8	112.7	120.3	141.3	161.3	180.3	197.3	191.2
82.5°	285.3	249.0	237.5	225.7	237.5	249.0	285.3	320.3	353.6	383.6	386.7
80°	475.3	426.0	406.6	386.8	406.6	426.0	475.3	522.4	567.1	606.5	617.2
77.5°	705.3	651.3	628.1	604.4	628.1	651.3	705.3	756.8	805.5	845.7	848.7
75°	974.1	931.7	906.0	878.4	906.0	931.7	974.1	1014.0	1051.8	1080.7	1077.8
72.5°	1303.4	1282.7	1264.0	1241.1	1264.0	1282.7	1303.4	1321.1	1336.6	1345.4	1336.6
70°	1676.6	1674.0	1677.3	1676.3	1677.3	1674.0	1676.6	1674.7	1669.0	1660.8	1648.4
67.5°	2114.0	2114.6	2123.6	2127.6	2123.6	2114.6	2114.0	2105.2	2088.2	2066.0	2039.8
65°	2620.0	2626.2	2623.9	2611.2	2623.9	2626.2	2620.0	2603.4	2576.5	2543.0	2502.5
62.5°	3199.0	3216.4	3225.9	3223.7	3225.9	3216.4	3199.0	3169.0	3126.7	3073.7	3011.9
60°	3812.7	3839.9	3853.7	3852.3	3853.7	3839.9	3812.7	3770.7	3714.4	3644.7	3560.6
57.5°	4476.6	4511.5	4519.7	4505.1	4519.7	4511.5	4476.6	4423.1	4351.4	4266.0	4161.9
55°	5208.9	5253.6	5270.8	5262.6	5270.8	5253.6	5208.9	5141.7	5052.6	4947.6	4822.3
52.5°	5983.2	6031.5	6048.7	6036.3	6048.7	6031.5	5983.2	5907.9	5805.3	5676.7	5526.6
50°	6787.4	6846.0	6869.6	6858.3	6869.6	6846.0	6787.4	6700.1	6581.1	6430.0	6255.4
47.5°	7641.1	7719.1	7749.4	7728.7	7749.4	7719.1	7641.1	7531.0	7390.6	7213.0	6995.3
45°	8539.4	8620.2	8651.6	8631.4	8651.6	8620.2	8539.4	8416.6	8252.3	8056.7	7833.2
42.5°	9453.7	9558.8	9603.1	9566.2	9603.1	9558.8	9453.7	9310.9	9124.3	8901.8	8647.0
40°	10384.1	10498.2	10550.8	10525.3	10550.8	10498.2	10384.1	10219.9	9999.8	9735.6	9448.2
37.5°	11338.5	11452.0	11507.7	11508.5	11507.7	11452.0	11338.5	11162.1	10917.8	10616.9	10292.6
35°	12296.5	12433.8	12511.6	12507.8	12511.6	12433.8	12296.5	12102.8	11852.8	11548.0	11165.9
32.5°	13267.8	13416.5	13495.9	13507.2	13495.9	13416.5	13267.8	13040.6	12753.1	12418.1	12025.0
30°	14237.5	14401.0	14493.0	14530.7	14493.0	14401.0	14237.5	13985.5	13663.1	13296.7	12873.9
27.5°	15177.8	15379.1	15517.9	15530.0	15517.9	15379.1	15177.8	14920.2	14580.3	14182.1	13720.7
25°	16088.5	16293.4	16435.9	16464.9	16435.9	16293.4	16088.5	15832.1	15482.8	15045.7	14552.9
22.5°	16986.2	17200.3	17331.9	17383.6	17331.9	17200.3	16986.2	16699.0	16312.4	15855.4	15333.2
20°	17843.1	18075.2	18214.6	18270.1	18214.6	18075.2	17843.1	17527.5	17101.3	16614.8	16062.2
17.5°	18618.3	18863.5	19035.7	19084.1	19035.7	18863.5	18618.3	18284.2	17837.9	17321.3	16725.1
15°	19300.6	19533.1	19696.6	19761.1	19696.6	19533.1	19300.6	18972.7	18520.2	17961.5	17299.4
12.5°	19855.8	20063.9	20191.9	20252.7	20191.9	20063.9	19855.8	19543.0	19127.0	18499.4	17804.1
10°	20289.7	20498.4	20620.6	20704.0	20620.6	20498.4	20289.7	19998.6	19534.1	18972.1	18288.8
7.5°	20666.2	20880.0	21029.6	21147.3	21029.6	20880.0	20666.2	20273.3	19859.0	19329.5	18639.8
5°	20874.0	21231.1	21284.9	21364.8	21284.9	21231.1	20874.0	20518.2	20066.3	19527.6	18854.3
2.5°	21032.6	21285.8	21438.0	21421.3	21438.0	21285.8	21032.6	20613.9	20181.2	19687.7	19035.6
0°	21147.3	21372.9	21429.3	21501.9	21429.3	21372.9	21147.3	20728.2	20276.9	19785.3	19108.3
-2.5°	21032.6	21285.8	21438.0	21421.3	21438.0	21285.8	21032.6	20613.9	20181.2	19687.7	19035.6
-5°	20874.0	21231.1	21284.9	21364.8	21284.9	21231.1	20874.0	20518.2	20066.3	19527.6	18854.3
-7.5°	20666.2	20880.0	21029.6	21147.3	21029.6	20880.0	20666.2	20273.3	19859.0	19329.5	18639.8
-10°	20289.7	20498.4	20620.6	20704.0	20620.6	20498.4	20289.7	19998.6	19534.1	18972.1	18288.8
-12.5°	19855.8	20063.9	20191.9	20252.7	20191.9	20063.9	19855.8	19543.0	19127.0	18499.4	17804.1
-15°	19300.6	19533.1	19696.6	19761.1	19696.6	19533.1	19300.6	18972.7	18520.2	17961.5	17299.4
-17.5°	18618.3	18863.5	19035.7	19084.1	19035.7	18863.5	18618.3	18284.2	17837.9	17321.3	16725.1
-20°	17843.1	18075.2	18214.6	18270.1	18214.6	18075.2	17843.1	17527.5	17101.3	16614.8	16062.2



REPORT NUMBER: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-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°	16986.2	17200.3	17331.9	17383.6	17331.9	17200.3	16986.2	16699.0	16312.4	15855.4	15333.2
-25°	16088.5	16293.4	16435.9	16464.9	16435.9	16293.4	16088.5	15832.1	15482.8	15045.7	14552.9
-27.5°	15177.8	15379.1	15517.9	15530.0	15517.9	15379.1	15177.8	14920.2	14580.3	14182.1	13720.7
-30°	14237.5	14401.0	14493.0	14530.7	14493.0	14401.0	14237.5	13985.5	13663.1	13296.7	12873.9
-32.5°	13267.8	13416.5	13495.9	13507.2	13495.9	13416.5	13267.8	13040.6	12753.1	12418.1	12025.0
-35°	12296.5	12433.8	12511.6	12507.8	12511.6	12433.8	12296.5	12102.8	11852.8	11548.0	11165.9
-37.5°	11338.5	11452.0	11507.7	11508.5	11507.7	11452.0	11338.5	11162.1	10917.8	10616.9	10292.6
-40°	10384.1	10498.2	10550.8	10525.3	10550.8	10498.2	10384.1	10219.9	9999.8	9735.6	9448.2
-42.5°	9453.7	9558.8	9603.1	9566.2	9603.1	9558.8	9453.7	9310.9	9124.3	8901.8	8647.0
-45°	8539.4	8620.2	8651.6	8631.4	8651.6	8620.2	8539.4	8416.6	8252.3	8056.7	7833.2
-47.5°	7641.1	7719.1	7749.4	7728.7	7749.4	7719.1	7641.1	7531.0	7390.6	7213.0	6995.3
-50°	6787.4	6846.0	6869.6	6858.3	6869.6	6846.0	6787.4	6700.1	6581.1	6430.0	6255.4
-52.5°	5983.2	6031.5	6048.7	6036.3	6048.7	6031.5	5983.2	5907.9	5805.3	5676.7	5526.6
-55°	5208.9	5253.6	5270.8	5262.6	5270.8	5253.6	5208.9	5141.7	5052.6	4947.6	4822.3
-57.5°	4476.6	4511.5	4519.7	4505.1	4519.7	4511.5	4476.6	4423.1	4351.4	4266.0	4161.9
-60°	3812.7	3839.9	3853.7	3852.3	3853.7	3839.9	3812.7	3770.7	3714.4	3644.7	3560.6
-62.5°	3199.0	3216.4	3225.9	3223.7	3225.9	3216.4	3199.0	3169.0	3126.7	3073.7	3011.9
-65°	2620.0	2626.2	2623.9	2611.2	2623.9	2626.2	2620.0	2603.4	2576.5	2543.0	2502.5
-67.5°	2114.0	2114.6	2123.6	2127.6	2123.6	2114.6	2114.0	2105.2	2088.2	2066.0	2039.8
-70°	1676.6	1674.0	1677.3	1676.3	1677.3	1674.0	1676.6	1674.7	1669.0	1660.8	1648.4
-72.5°	1303.4	1282.7	1264.0	1241.1	1264.0	1282.7	1303.4	1321.1	1336.6	1345.4	1336.6
-75°	974.1	931.7	906.0	878.4	906.0	931.7	974.1	1014.0	1051.8	1080.7	1077.8
-77.5°	705.3	651.3	628.1	604.4	628.1	651.3	705.3	756.8	805.5	845.7	848.7
-80°	475.3	426.0	406.6	386.8	406.6	426.0	475.3	522.4	567.1	606.5	617.2
-82.5°	285.3	249.0	237.5	225.7	237.5	249.0	285.3	320.3	353.6	383.6	386.7
-85°	141.3	120.3	112.7	104.8	112.7	120.3	141.3	161.3	180.3	197.3	191.2
-87.5°	26.0	24.1	24.2	24.2	24.2	24.1	26.0	27.8	29.5	31.1	30.7
-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: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-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°	30.3	29.7	29.2	28.6	27.9	27.2	26.4	25.5	24.7	23.7	22.8
85°	184.5	177.3	169.7	161.5	153.0	144.1	134.6	118.0	102.5	88.2	75.9
82.5°	387.4	385.7	380.1	358.3	336.2	314.0	290.7	255.9	221.9	188.7	159.7
80°	624.7	628.8	624.7	588.3	551.3	514.1	474.6	423.8	372.4	323.5	286.9
77.5°	850.6	851.5	844.7	808.4	768.5	725.0	675.2	614.1	552.9	491.1	443.9
75°	1072.5	1065.0	1049.7	1016.4	976.5	929.6	880.9	827.2	764.5	692.4	630.7
72.5°	1323.7	1306.7	1282.9	1250.2	1211.4	1170.0	1119.4	1060.1	994.5	922.5	857.3
70°	1628.9	1602.0	1566.4	1521.9	1478.1	1432.5	1378.2	1313.0	1236.6	1157.1	1084.4
67.5°	2005.9	1964.5	1914.1	1860.4	1806.1	1742.5	1669.6	1589.9	1511.0	1422.8	1323.2
65°	2452.2	2392.2	2319.1	2249.6	2173.7	2091.1	1997.9	1905.5	1808.9	1703.0	1576.7
62.5°	2942.5	2866.3	2767.0	2666.2	2563.3	2457.3	2343.1	2229.5	2114.2	1989.4	1847.2
60°	3462.4	3349.0	3234.7	3109.7	2973.8	2831.5	2701.8	2563.8	2417.9	2276.6	2120.6
57.5°	4038.7	3899.1	3749.9	3590.4	3421.7	3255.3	3087.3	2913.7	2748.8	2576.6	2400.0
55°	4677.4	4512.6	4325.4	4119.8	3906.9	3714.0	3503.8	3293.3	3094.7	2885.7	2691.1
52.5°	5357.9	5160.5	4943.3	4709.8	4467.7	4217.0	3961.7	3719.9	3461.3	3224.8	2989.6
50°	6059.6	5833.4	5583.1	5314.8	5045.4	4754.9	4462.7	4172.1	3879.1	3589.1	3307.3
47.5°	6772.2	6527.2	6249.0	5952.1	5643.7	5319.3	4986.8	4637.3	4313.1	3976.7	3656.6
45°	7555.4	7253.2	6941.4	6614.5	6261.9	5904.0	5530.9	5148.3	4758.3	4388.4	4013.1
42.5°	8343.2	8003.3	7642.7	7283.2	6898.6	6497.8	6081.7	5660.0	5231.5	4804.8	4394.7
40°	9127.9	8760.2	8367.0	7956.1	7536.8	7095.2	6639.6	6170.5	5705.2	5236.1	4772.0
37.5°	9930.6	9533.3	9107.4	8654.9	8185.1	7695.9	7194.8	6686.9	6173.8	5668.9	5165.6
35°	10753.9	10319.0	9849.0	9354.7	8837.7	8302.2	7752.3	7196.2	6644.2	6098.1	5552.8
32.5°	11569.8	11098.5	10591.9	10050.9	9481.8	8898.9	8307.7	7707.2	7103.0	6519.8	5939.1
30°	12392.6	11870.8	11321.8	10737.4	10120.3	9485.6	8845.2	8209.0	7565.1	6923.4	6309.0
27.5°	13198.8	12629.3	12032.7	11400.8	10741.6	10060.6	9372.5	8693.5	8006.7	7324.5	6662.1
25°	13983.3	13368.4	12710.4	12035.4	11336.4	10610.5	9871.0	9152.6	8435.4	7705.4	6979.0
22.5°	14738.4	14065.2	13355.9	12634.0	11898.6	11135.9	10347.3	9573.0	8830.8	8046.9	7287.8
20°	15434.7	14712.0	13954.5	13194.0	12416.4	11636.0	10790.9	9967.4	9169.1	8364.1	7567.7
17.5°	16052.5	15318.2	14523.6	13722.1	12894.2	12072.6	11205.7	10326.3	9480.4	8646.0	7814.1
15°	16596.9	15863.3	15058.7	14213.5	13329.5	12432.3	11556.8	10643.4	9764.1	8895.2	8041.9
12.5°	17091.5	16323.4	15519.8	14626.0	13687.6	12751.5	11841.1	10921.3	10016.4	9123.3	8246.9
10°	17535.4	16700.3	15850.0	14944.2	13987.2	13020.8	12083.4	11154.9	10231.1	9318.5	8415.9
7.5°	17839.5	16979.9	16101.3	15198.6	14240.0	13258.5	12292.9	11342.7	10398.4	9474.0	8547.7
5°	18064.1	17200.5	16319.2	15403.8	14436.4	13436.0	12447.4	11478.8	10517.6	9587.8	8641.6
2.5°	18236.5	17351.4	16467.9	15532.2	14563.4	13555.8	12557.9	11581.1	10612.2	9671.1	8724.6
0°	18358.8	17407.8	16553.5	15634.8	14643.5	13628.0	12628.7	11645.5	10670.3	9711.3	8768.4
-2.5°	18236.5	17351.4	16467.9	15532.2	14563.4	13555.8	12557.9	11581.1	10612.2	9671.1	8724.6
-5°	18064.1	17200.5	16319.2	15403.8	14436.4	13436.0	12447.4	11478.8	10517.6	9587.8	8641.6
-7.5°	17839.5	16979.9	16101.3	15198.6	14240.0	13258.5	12292.9	11342.7	10398.4	9474.0	8547.7
-10°	17535.4	16700.3	15850.0	14944.2	13987.2	13020.8	12083.4	11154.9	10231.1	9318.5	8415.9
-12.5°	17091.5	16323.4	15519.8	14626.0	13687.6	12751.5	11841.1	10921.3	10016.4	9123.3	8246.9
-15°	16596.9	15863.3	15058.7	14213.5	13329.5	12432.3	11556.8	10643.4	9764.1	8895.2	8041.9
-17.5°	16052.5	15318.2	14523.6	13722.1	12894.2	12072.6	11205.7	10326.3	9480.4	8646.0	7814.1
-20°	15434.7	14712.0	13954.5	13194.0	12416.4	11636.0	10790.9	9967.4	9169.1	8364.1	7567.7



REPORT NUMBER: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14738.4	14065.2	13355.9	12634.0	11898.6	11135.9	10347.3	9573.0	8830.8	8046.9	7287.8
-25°	13983.3	13368.4	12710.4	12035.4	11336.4	10610.5	9871.0	9152.6	8435.4	7705.4	6979.0
-27.5°	13198.8	12629.3	12032.7	11400.8	10741.6	10060.6	9372.5	8693.5	8006.7	7324.5	6662.1
-30°	12392.6	11870.8	11321.8	10737.4	10120.3	9485.6	8845.2	8209.0	7565.1	6923.4	6309.0
-32.5°	11569.8	11098.5	10591.9	10050.9	9481.8	8898.9	8307.7	7707.2	7103.0	6519.8	5939.1
-35°	10753.9	10319.0	9849.0	9354.7	8837.7	8302.2	7752.3	7196.2	6644.2	6098.1	5552.8
-37.5°	9930.6	9533.3	9107.4	8654.9	8185.1	7695.9	7194.8	6686.9	6173.8	5668.9	5165.6
-40°	9127.9	8760.2	8367.0	7956.1	7536.8	7095.2	6639.6	6170.5	5705.2	5236.1	4772.0
-42.5°	8343.2	8003.3	7642.7	7283.2	6898.6	6497.8	6081.7	5660.0	5231.5	4804.8	4394.7
-45°	7555.4	7253.2	6941.4	6614.5	6261.9	5904.0	5530.9	5148.3	4758.3	4388.4	4013.1
-47.5°	6772.2	6527.2	6249.0	5952.1	5643.7	5319.3	4986.8	4637.3	4313.1	3976.7	3656.6
-50°	6059.6	5833.4	5583.1	5314.8	5045.4	4754.9	4462.7	4172.1	3879.1	3589.1	3307.3
-52.5°	5357.9	5160.5	4943.3	4709.8	4467.7	4217.0	3961.7	3719.9	3461.3	3224.8	2989.6
-55°	4677.4	4512.6	4325.4	4119.8	3906.9	3714.0	3503.8	3293.3	3094.7	2885.7	2691.1
-57.5°	4038.7	3899.1	3749.9	3590.4	3421.7	3255.3	3087.3	2913.7	2748.8	2576.6	2400.0
-60°	3462.4	3349.0	3234.7	3109.7	2973.8	2831.5	2701.8	2563.8	2417.9	2276.6	2120.6
-62.5°	2942.5	2866.3	2767.0	2666.2	2563.3	2457.3	2343.1	2229.5	2114.2	1989.4	1847.2
-65°	2452.2	2392.2	2319.1	2249.6	2173.7	2091.1	1997.9	1905.5	1808.9	1703.0	1576.7
-67.5°	2005.9	1964.5	1914.1	1860.4	1806.1	1742.5	1669.6	1589.9	1511.0	1422.8	1323.2
-70°	1628.9	1602.0	1566.4	1521.9	1478.1	1432.5	1378.2	1313.0	1236.6	1157.1	1084.4
-72.5°	1323.7	1306.7	1282.9	1250.2	1211.4	1170.0	1119.4	1060.1	994.5	922.5	857.3
-75°	1072.5	1065.0	1049.7	1016.4	976.5	929.6	880.9	827.2	764.5	692.4	630.7
-77.5°	850.6	851.5	844.7	808.4	768.5	725.0	675.2	614.1	552.9	491.1	443.9
-80°	624.7	628.8	624.7	588.3	551.3	514.1	474.6	423.8	372.4	323.5	286.9
-82.5°	387.4	385.7	380.1	358.3	336.2	314.0	290.7	255.9	221.9	188.7	159.7
-85°	184.5	177.3	169.7	161.5	153.0	144.1	134.6	118.0	102.5	88.2	75.9
-87.5°	30.3	29.7	29.2	28.6	27.9	27.2	26.4	25.5	24.7	23.7	22.8
-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: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5D-740-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°	23.1	23.3	23.3	23.1	20.5	18.1	15.8	13.6	12.3	11.0	9.7
85°	76.2	74.4	70.3	63.8	50.2	36.1	31.5	27.2	24.6	22.0	19.3
82.5°	159.2	160.8	160.6	155.9	137.5	118.3	98.0	77.1	57.1	36.3	29.0
80°	287.4	284.3	277.5	264.4	234.3	200.2	174.6	148.1	122.1	95.0	66.8
77.5°	434.4	422.1	406.9	389.7	357.7	320.2	277.0	228.1	186.8	153.4	118.7
75°	598.8	579.0	557.7	529.1	488.1	441.0	393.6	336.7	273.3	213.6	170.3
72.5°	805.0	757.2	714.4	674.2	629.7	577.2	516.7	443.3	366.4	293.7	225.6
70°	1013.8	942.1	878.1	823.3	769.6	714.7	648.2	557.7	457.7	372.2	292.0
67.5°	1225.9	1141.1	1055.4	973.3	905.7	841.0	776.8	671.6	557.0	449.0	356.9
65°	1459.9	1346.7	1237.9	1136.5	1044.7	963.8	888.6	778.2	653.2	531.8	420.0
62.5°	1701.0	1556.6	1427.7	1298.4	1184.0	1085.7	995.3	873.5	745.3	611.9	485.9
60°	1954.4	1789.9	1618.6	1467.6	1327.4	1203.1	1093.6	967.5	831.5	689.0	551.3
57.5°	2221.2	2027.9	1835.4	1644.6	1476.2	1327.0	1189.3	1056.7	916.1	765.1	612.3
55°	2491.5	2283.3	2055.7	1840.6	1634.0	1456.5	1290.5	1142.2	997.9	839.8	664.9
52.5°	2762.2	2533.5	2289.2	2040.7	1809.5	1587.3	1401.8	1225.5	1073.1	912.9	719.7
50°	3045.4	2783.1	2521.3	2252.9	1984.1	1740.6	1509.3	1321.0	1146.2	982.2	771.7
47.5°	3340.1	3047.8	2756.5	2463.2	2174.9	1887.3	1635.0	1414.6	1216.8	1045.1	820.1
45°	3663.2	3321.4	2998.8	2681.6	2355.6	2045.8	1762.1	1504.2	1296.8	1093.9	864.7
42.5°	3985.9	3610.1	3249.7	2896.8	2544.8	2203.2	1882.6	1609.6	1373.3	1140.7	905.7
40°	4329.3	3899.8	3500.3	3117.4	2729.5	2353.0	2016.0	1712.4	1445.0	1189.3	944.5
37.5°	4663.1	4196.7	3757.7	3328.0	2910.5	2514.7	2144.3	1808.7	1513.0	1243.9	981.3
35°	5016.5	4495.1	3995.7	3540.0	3096.8	2668.0	2264.4	1905.8	1591.4	1297.1	1016.0
32.5°	5357.8	4786.8	4251.3	3749.2	3274.8	2812.6	2388.0	2008.6	1666.7	1348.7	1048.5
30°	5693.4	5079.6	4496.1	3946.9	3447.2	2964.2	2511.9	2104.7	1738.6	1398.5	1081.0
27.5°	6002.6	5350.8	4730.8	4151.3	3616.6	3108.1	2628.9	2193.8	1806.9	1449.7	1118.6
25°	6290.8	5611.7	4962.2	4348.0	3773.8	3244.4	2736.8	2276.4	1876.5	1503.2	1153.7
22.5°	6561.1	5854.0	5171.9	4529.2	3919.4	3369.6	2841.8	2364.1	1942.3	1552.4	1185.7
20°	6806.8	6072.1	5359.7	4693.4	4061.1	3488.8	2942.9	2442.9	2001.1	1597.1	1214.6
17.5°	7028.2	6271.5	5538.9	4846.9	4193.0	3594.7	3032.8	2512.3	2052.7	1636.8	1240.0
15°	7233.6	6452.8	5697.3	4980.9	4307.3	3686.9	3110.9	2572.2	2096.9	1671.4	1264.2
12.5°	7410.2	6608.3	5831.7	5094.7	4403.5	3765.0	3177.1	2622.3	2133.7	1702.7	1287.0
10°	7555.6	6736.8	5941.5	5187.8	4481.3	3828.6	3230.8	2664.6	2168.1	1729.7	1304.5
7.5°	7668.8	6837.4	6026.1	5259.6	4543.1	3881.7	3276.5	2701.1	2195.9	1750.5	1316.8
5°	7754.6	6916.0	6099.7	5319.7	4599.8	3924.7	3309.8	2727.2	2216.1	1764.8	1323.8
2.5°	7830.8	6974.9	6157.5	5358.8	4638.4	3952.6	3329.8	2743.0	2228.3	1772.4	1325.4
0°	7873.8	7003.4	6189.4	5375.5	4658.2	3965.1	3336.5	2748.2	2232.4	1773.0	1321.7
-2.5°	7830.8	6974.9	6157.5	5358.8	4638.4	3952.6	3329.8	2743.0	2228.3	1772.4	1325.4
-5°	7754.6	6916.0	6099.7	5319.7	4599.8	3924.7	3309.8	2727.2	2216.1	1764.8	1323.8
-7.5°	7668.8	6837.4	6026.1	5259.6	4543.1	3881.7	3276.5	2701.1	2195.9	1750.5	1316.8
-10°	7555.6	6736.8	5941.5	5187.8	4481.3	3828.6	3230.8	2664.6	2168.1	1729.7	1304.5
-12.5°	7410.2	6608.3	5831.7	5094.7	4403.5	3765.0	3177.1	2622.3	2133.7	1702.7	1287.0
-15°	7233.6	6452.8	5697.3	4980.9	4307.3	3686.9	3110.9	2572.2	2096.9	1671.4	1264.2
-17.5°	7028.2	6271.5	5538.9	4846.9	4193.0	3594.7	3032.8	2512.3	2052.7	1636.8	1240.0
-20°	6806.8	6072.1	5359.7	4693.4	4061.1	3488.8	2942.9	2442.9	2001.1	1597.1	1214.6



REPORT NUMBER: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-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°	6561.1	5854.0	5171.9	4529.2	3919.4	3369.6	2841.8	2364.1	1942.3	1552.4	1185.7
-25°	6290.8	5611.7	4962.2	4348.0	3773.8	3244.4	2736.8	2276.4	1876.5	1503.2	1153.7
-27.5°	6002.6	5350.8	4730.8	4151.3	3616.6	3108.1	2628.9	2193.8	1806.9	1449.7	1118.6
-30°	5693.4	5079.6	4496.1	3946.9	3447.2	2964.2	2511.9	2104.7	1738.6	1398.5	1081.0
-32.5°	5357.8	4786.8	4251.3	3749.2	3274.8	2812.6	2388.0	2008.6	1666.7	1348.7	1048.5
-35°	5016.5	4495.1	3995.7	3540.0	3096.8	2668.0	2264.4	1905.8	1591.4	1297.1	1016.0
-37.5°	4663.1	4196.7	3757.7	3328.0	2910.5	2514.7	2144.3	1808.7	1513.0	1243.9	981.3
-40°	4329.3	3899.8	3500.3	3117.4	2729.5	2353.0	2016.0	1712.4	1445.0	1189.3	944.5
-42.5°	3985.9	3610.1	3249.7	2896.8	2544.8	2203.2	1882.6	1609.6	1373.3	1140.7	905.7
-45°	3663.2	3321.4	2998.8	2681.6	2355.6	2045.8	1762.1	1504.2	1296.8	1093.9	864.7
-47.5°	3340.1	3047.8	2756.5	2463.2	2174.9	1887.3	1635.0	1414.6	1216.8	1045.1	820.1
-50°	3045.4	2783.1	2521.3	2252.9	1984.1	1740.6	1509.3	1321.0	1146.2	982.2	771.7
-52.5°	2762.2	2533.5	2289.2	2040.7	1809.5	1587.3	1401.8	1225.5	1073.1	912.9	719.7
-55°	2491.5	2283.3	2055.7	1840.6	1634.0	1456.5	1290.5	1142.2	997.9	839.8	664.9
-57.5°	2221.2	2027.9	1835.4	1644.6	1476.2	1327.0	1189.3	1056.7	916.1	765.1	612.3
-60°	1954.4	1789.9	1618.6	1467.6	1327.4	1203.1	1093.6	967.5	831.5	689.0	551.3
-62.5°	1701.0	1556.6	1427.7	1298.4	1184.0	1085.7	995.3	873.5	745.3	611.9	485.9
-65°	1459.9	1346.7	1237.9	1136.5	1044.7	963.8	888.6	778.2	653.2	531.8	420.0
-67.5°	1225.9	1141.1	1055.4	973.3	905.7	841.0	776.8	671.6	557.0	449.0	356.9
-70°	1013.8	942.1	878.1	823.3	769.6	714.7	648.2	557.7	457.7	372.2	292.0
-72.5°	805.0	757.2	714.4	674.2	629.7	577.2	516.7	443.3	366.4	293.7	225.6
-75°	598.8	579.0	557.7	529.1	488.1	441.0	393.6	336.7	273.3	213.6	170.3
-77.5°	434.4	422.1	406.9	389.7	357.7	320.2	277.0	228.1	186.8	153.4	118.7
-80°	287.4	284.3	277.5	264.4	234.3	200.2	174.6	148.1	122.1	95.0	66.8
-82.5°	159.2	160.8	160.6	155.9	137.5	118.3	98.0	77.1	57.1	36.3	29.0
-85°	76.2	74.4	70.3	63.8	50.2	36.1	31.5	27.2	24.6	22.0	19.3
-87.5°	23.1	23.3	23.3	23.1	20.5	18.1	15.8	13.6	12.3	11.0	9.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



REPORT NUMBER: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-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°	8.3	7.0	5.6	4.2	2.8	1.2	0.0
85°	16.6	13.9	11.2	8.4	5.6	2.5	0.0
82.5°	24.9	20.9	16.7	12.6	8.4	3.7	0.0
80°	37.5	27.7	22.3	16.7	11.1	4.9	0.0
77.5°	81.8	43.5	27.7	20.9	13.8	6.1	0.0
75°	125.0	75.3	36.1	24.9	16.5	7.3	0.0
72.5°	166.8	106.2	57.6	29.0	19.1	8.4	0.0
70°	208.7	136.0	78.4	34.7	21.7	9.6	0.0
67.5°	258.9	164.5	98.4	47.6	24.2	10.7	0.0
65°	306.9	196.5	117.5	59.9	26.6	11.8	0.0
62.5°	352.5	231.5	135.6	71.7	28.9	12.8	0.0
60°	395.5	264.6	152.6	82.9	31.1	13.8	0.0
57.5°	440.7	295.7	175.3	93.4	37.4	14.8	0.0
55°	483.6	324.6	196.8	103.2	43.5	15.8	0.0
52.5°	523.3	352.1	216.9	112.2	49.4	16.7	0.0
50°	559.6	381.2	235.4	120.5	55.0	17.5	0.0
47.5°	593.7	407.8	252.3	129.1	60.4	18.3	0.0
45°	631.6	431.9	267.4	140.3	65.5	19.1	0.0
42.5°	666.3	453.2	280.9	150.4	70.4	19.8	0.0
40°	697.9	471.9	294.3	160.8	74.9	20.5	0.0
37.5°	726.1	487.8	307.7	171.0	79.2	21.1	0.0
35°	751.0	506.2	319.2	180.6	83.2	21.7	0.0
32.5°	774.0	524.6	328.8	189.4	86.8	22.2	0.0
30°	798.0	540.4	336.5	197.4	90.1	22.7	0.0
27.5°	819.5	553.4	348.0	204.7	93.1	23.1	0.0
25°	838.4	563.7	358.8	211.2	95.8	23.5	0.0
22.5°	854.6	574.1	368.3	217.0	98.2	23.8	0.0
20°	868.0	588.4	376.5	222.0	100.2	24.0	0.0
17.5°	884.8	600.1	383.4	226.2	101.9	24.2	0.0
15°	902.2	609.2	389.0	229.6	103.3	24.4	0.0
12.5°	916.3	615.7	393.2	232.2	104.4	24.5	0.0
10°	927.1	619.8	396.1	234.0	105.1	24.5	0.0
7.5°	934.5	621.4	397.7	235.1	105.5	24.5	0.0
5°	938.3	620.7	398.1	235.4	105.6	24.5	0.0
2.5°	938.4	617.7	397.1	234.9	105.3	24.4	0.0
0°	934.9	612.5	394.9	233.7	104.8	24.2	0.0
-2.5°	938.4	617.7	397.1	234.9	105.3	24.4	0.0
-5°	938.3	620.7	398.1	235.4	105.6	24.5	0.0
-7.5°	934.5	621.4	397.7	235.1	105.5	24.5	0.0
-10°	927.1	619.8	396.1	234.0	105.1	24.5	0.0
-12.5°	916.3	615.7	393.2	232.2	104.4	24.5	0.0
-15°	902.2	609.2	389.0	229.6	103.3	24.4	0.0
-17.5°	884.8	600.1	383.4	226.2	101.9	24.2	0.0
-20°	868.0	588.4	376.5	222.0	100.2	24.0	0.0

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Scaled Data Report



REPORT NUMBER: P627711 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5D-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	854.6	574.1	368.3	217.0	98.2	23.8	0.0
-25°	838.4	563.7	358.8	211.2	95.8	23.5	0.0
-27.5°	819.5	553.4	348.0	204.7	93.1	23.1	0.0
-30°	798.0	540.4	336.5	197.4	90.1	22.7	0.0
-32.5°	774.0	524.6	328.8	189.4	86.8	22.2	0.0
-35°	751.0	506.2	319.2	180.6	83.2	21.7	0.0
-37.5°	726.1	487.8	307.7	171.0	79.2	21.1	0.0
-40°	697.9	471.9	294.3	160.8	74.9	20.5	0.0
-42.5°	666.3	453.2	280.9	150.4	70.4	19.8	0.0
-45°	631.6	431.9	267.4	140.3	65.5	19.1	0.0
-47.5°	593.7	407.8	252.3	129.1	60.4	18.3	0.0
-50°	559.6	381.2	235.4	120.5	55.0	17.5	0.0
-52.5°	523.3	352.1	216.9	112.2	49.4	16.7	0.0
-55°	483.6	324.6	196.8	103.2	43.5	15.8	0.0
-57.5°	440.7	295.7	175.3	93.4	37.4	14.8	0.0
-60°	395.5	264.6	152.6	82.9	31.1	13.8	0.0
-62.5°	352.5	231.5	135.6	71.7	28.9	12.8	0.0
-65°	306.9	196.5	117.5	59.9	26.6	11.8	0.0
-67.5°	258.9	164.5	98.4	47.6	24.2	10.7	0.0
-70°	208.7	136.0	78.4	34.7	21.7	9.6	0.0
-72.5°	166.8	106.2	57.6	29.0	19.1	8.4	0.0
-75°	125.0	75.3	36.1	24.9	16.5	7.3	0.0
-77.5°	81.8	43.5	27.7	20.9	13.8	6.1	0.0
-80°	37.5	27.7	22.3	16.7	11.1	4.9	0.0
-82.5°	24.9	20.9	16.7	12.6	8.4	3.7	0.0
-85°	16.6	13.9	11.2	8.4	5.6	2.5	0.0
-87.5°	8.3	7.0	5.6	4.2	2.8	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)