

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2D-735-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2D-735-U-LAM-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

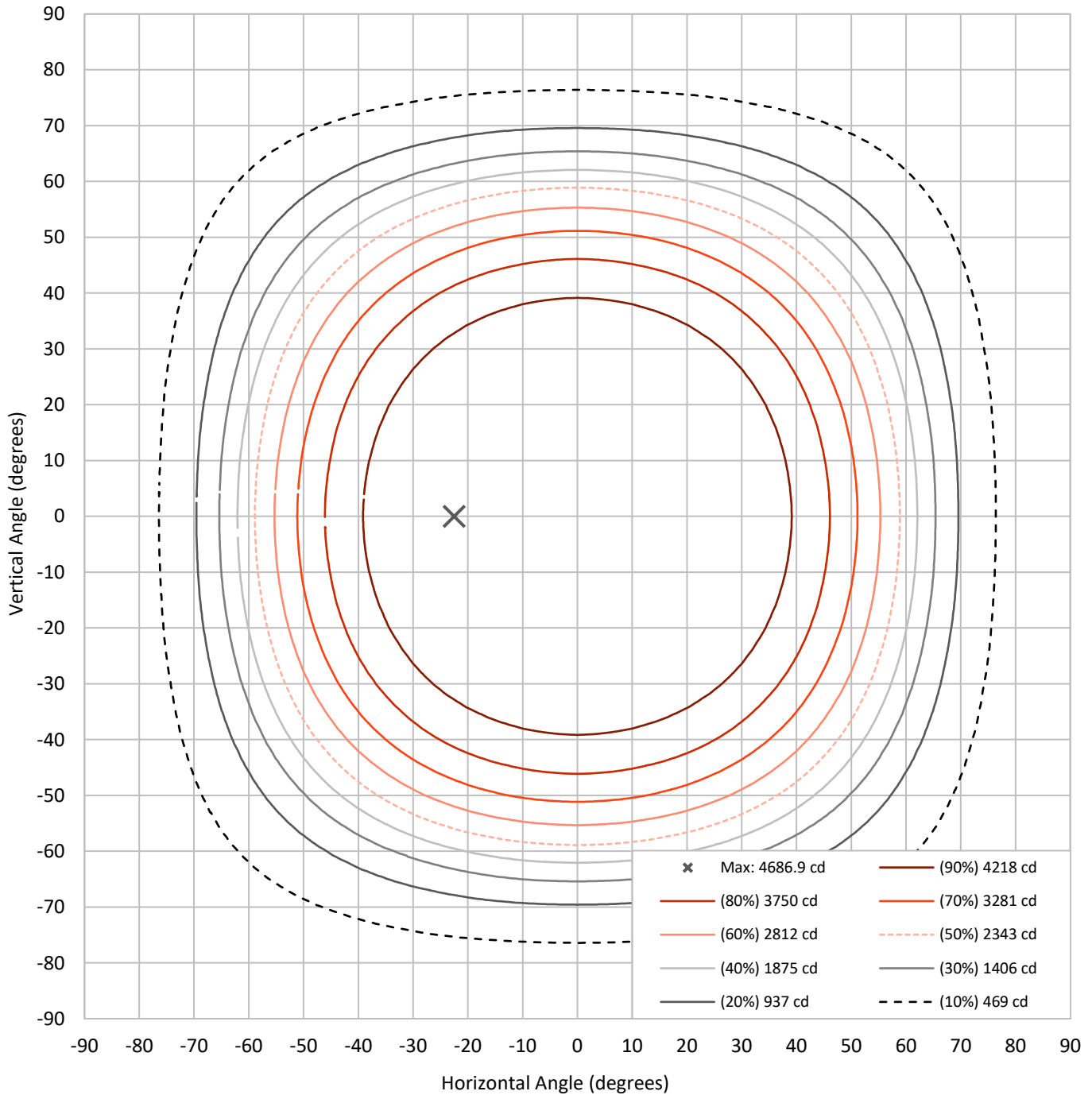
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	14337.6 lumens	Max Intensity:	4686.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	131.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	11932 lumens	Field Lumens:	14055.6 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	108.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



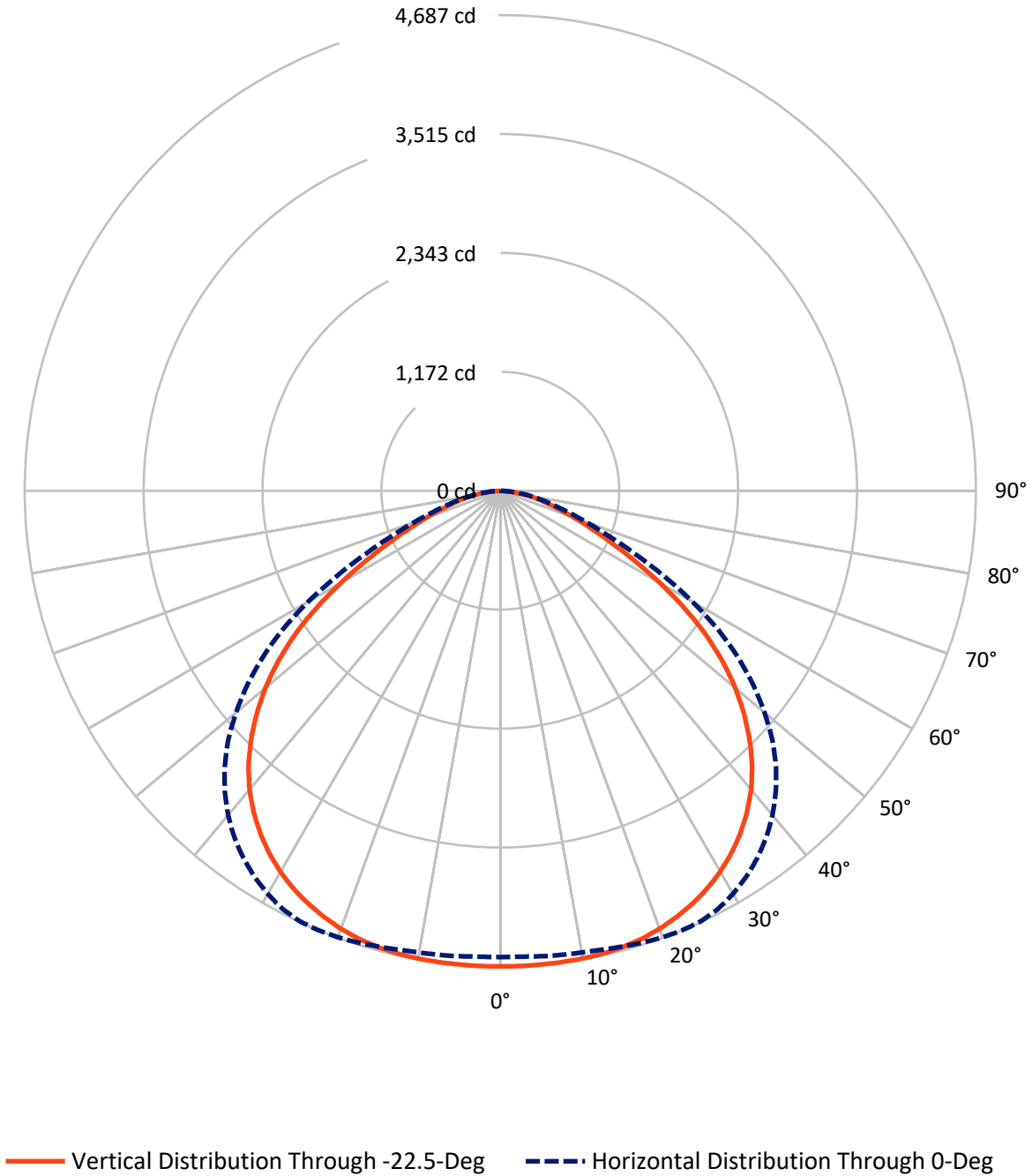
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Iso-Candela Plot



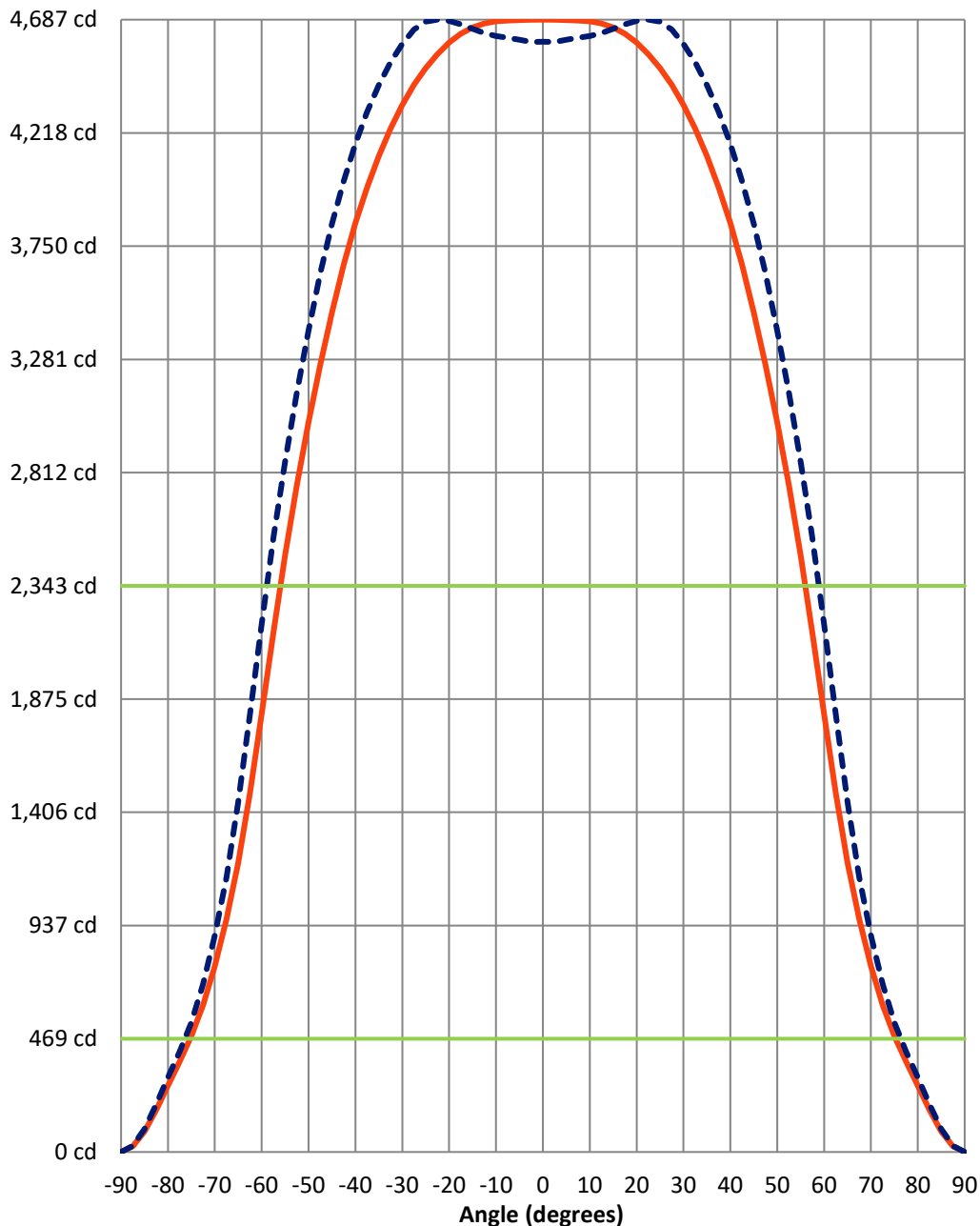
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 11932
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 14055.6
 Efficiency: 98.0%

Spill:
 Lumens: 282
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.8	10.8
85°	0.0	2.2	4.5	6.7	8.9	11.1	13.2	15.4	17.5	19.6	21.6
82.5°	0.0	3.3	6.7	10.0	13.3	16.6	19.8	23.0	27.2	35.7	44.1
80°	0.0	4.4	8.9	13.3	17.7	22.1	27.7	39.4	50.9	62.2	73.3
77.5°	0.0	5.5	11.1	16.6	22.1	30.8	45.5	60.0	74.3	88.5	105.5
75°	0.0	6.6	13.2	19.8	27.7	45.5	63.0	80.4	98.6	123.2	147.4
72.5°	0.0	7.7	15.4	23.0	39.4	60.0	80.4	103.0	132.1	160.7	188.8
70°	0.0	8.8	17.5	27.2	50.9	74.3	98.6	132.1	165.1	197.8	233.2
67.5°	0.0	9.8	19.6	35.7	62.2	88.5	123.2	160.7	197.8	238.1	277.7
65°	0.0	10.8	21.6	44.1	73.3	105.5	147.4	188.8	233.2	277.7	321.0
62.5°	0.0	11.8	23.6	52.3	84.2	125.3	171.1	218.4	267.9	316.3	362.2
60°	0.0	12.8	25.6	60.3	94.9	144.6	194.3	248.2	301.8	352.7	402.6
57.5°	0.0	13.8	30.7	68.1	109.8	163.5	219.0	277.3	333.9	388.3	445.6
55°	0.0	14.7	35.8	75.7	124.5	181.9	243.3	305.7	364.8	424.1	489.4
52.5°	0.0	15.6	40.7	83.0	138.8	200.1	266.9	332.1	394.8	462.4	532.0
50°	0.0	16.5	45.5	90.2	152.6	219.1	289.8	357.6	425.1	499.6	584.9
47.5°	0.0	17.3	50.0	97.8	165.9	237.5	311.7	382.2	457.0	535.6	637.4
45°	0.0	18.1	54.4	107.4	178.8	255.2	332.0	405.9	487.8	580.9	688.2
42.5°	0.0	18.9	58.7	116.6	191.0	272.1	351.4	430.4	517.3	624.6	748.0
40°	0.0	19.6	62.7	125.4	203.4	288.3	370.0	455.0	548.4	666.5	807.1
37.5°	0.0	20.3	66.5	133.7	215.6	303.7	387.6	478.4	583.7	709.3	863.4
35°	0.0	21.0	70.1	141.6	227.2	317.8	404.3	500.6	617.1	757.1	920.9
32.5°	0.0	21.6	73.5	149.0	238.1	330.8	420.6	521.5	648.6	802.2	981.4
30°	0.0	22.2	76.7	155.9	248.3	343.0	437.3	542.4	678.1	844.5	1038.0
27.5°	0.0	22.7	79.6	162.3	257.7	354.3	452.8	566.3	708.2	883.8	1090.8
25°	0.0	23.2	82.3	168.2	266.4	364.7	467.0	588.2	740.2	924.7	1140.0
22.5°	0.0	23.7	84.7	173.6	274.3	374.2	480.0	608.2	769.3	964.3	1197.5
20°	0.0	24.1	87.0	178.4	281.5	382.8	491.7	626.3	795.6	1000.1	1249.5
17.5°	0.0	24.4	88.9	182.7	287.8	390.3	502.1	642.3	819.0	1031.9	1295.7
15°	0.0	24.7	90.6	186.5	293.3	396.9	511.1	656.2	839.4	1059.7	1336.0
12.5°	0.0	25.0	92.1	189.6	298.0	402.6	518.8	668.1	856.7	1083.3	1370.3
10°	0.0	25.2	93.3	192.2	301.8	407.2	525.1	677.9	870.9	1102.7	1398.6
7.5°	0.0	25.4	94.2	194.3	304.8	410.8	530.0	685.5	882.1	1117.8	1420.6
5°	0.0	25.5	94.9	195.7	307.0	413.3	533.6	690.9	890.0	1128.7	1436.4
2.5°	0.0	25.6	95.3	196.6	308.3	414.9	535.7	694.2	894.8	1135.2	1445.9
0°	0.0	25.6	95.4	196.9	308.7	415.4	536.4	695.3	896.4	1137.4	1449.1
-2.5°	0.0	25.6	95.3	196.6	308.3	414.9	535.7	694.2	894.8	1135.2	1445.9
-5°	0.0	25.5	94.9	195.7	307.0	413.3	533.6	690.9	890.0	1128.7	1436.4
-7.5°	0.0	25.4	94.2	194.3	304.8	410.8	530.0	685.5	882.1	1117.8	1420.6
-10°	0.0	25.2	93.3	192.2	301.8	407.2	525.1	677.9	870.9	1102.7	1398.6
-12.5°	0.0	25.0	92.1	189.6	298.0	402.6	518.8	668.1	856.7	1083.3	1370.3
-15°	0.0	24.7	90.6	186.5	293.3	396.9	511.1	656.2	839.4	1059.7	1336.0
-17.5°	0.0	24.4	88.9	182.7	287.8	390.3	502.1	642.3	819.0	1031.9	1295.7
-20°	0.0	24.1	87.0	178.4	281.5	382.8	491.7	626.3	795.6	1000.1	1249.5

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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	23.7	84.7	173.6	274.3	374.2	480.0	608.2	769.3	964.3	1197.5
-25°	0.0	23.2	82.3	168.2	266.4	364.7	467.0	588.2	740.2	924.7	1140.0
-27.5°	0.0	22.7	79.6	162.3	257.7	354.3	452.8	566.3	708.2	883.8	1090.8
-30°	0.0	22.2	76.7	155.9	248.3	343.0	437.3	542.4	678.1	844.5	1038.0
-32.5°	0.0	21.6	73.5	149.0	238.1	330.8	420.6	521.5	648.6	802.2	981.4
-35°	0.0	21.0	70.1	141.6	227.2	317.8	404.3	500.6	617.1	757.1	920.9
-37.5°	0.0	20.3	66.5	133.7	215.6	303.7	387.6	478.4	583.7	709.3	863.4
-40°	0.0	19.6	62.7	125.4	203.4	288.3	370.0	455.0	548.4	666.5	807.1
-42.5°	0.0	18.9	58.7	116.6	191.0	272.1	351.4	430.4	517.3	624.6	748.0
-45°	0.0	18.1	54.4	107.4	178.8	255.2	332.0	405.9	487.8	580.9	688.2
-47.5°	0.0	17.3	50.0	97.8	165.9	237.5	311.7	382.2	457.0	535.6	637.4
-50°	0.0	16.5	45.5	90.2	152.6	219.1	289.8	357.6	425.1	499.6	584.9
-52.5°	0.0	15.6	40.7	83.0	138.8	200.1	266.9	332.1	394.8	462.4	532.0
-55°	0.0	14.7	35.8	75.7	124.5	181.9	243.3	305.7	364.8	424.1	489.4
-57.5°	0.0	13.8	30.7	68.1	109.8	163.5	219.0	277.3	333.9	388.3	445.6
-60°	0.0	12.8	25.6	60.3	94.9	144.6	194.3	248.2	301.8	352.7	402.6
-62.5°	0.0	11.8	23.6	52.3	84.2	125.3	171.1	218.4	267.9	316.3	362.2
-65°	0.0	10.8	21.6	44.1	73.3	105.5	147.4	188.8	233.2	277.7	321.0
-67.5°	0.0	9.8	19.6	35.7	62.2	88.5	123.2	160.7	197.8	238.1	277.7
-70°	0.0	8.8	17.5	27.2	50.9	74.3	98.6	132.1	165.1	197.8	233.2
-72.5°	0.0	7.7	15.4	23.0	39.4	60.0	80.4	103.0	132.1	160.7	188.8
-75°	0.0	6.6	13.2	19.8	27.7	45.5	63.0	80.4	98.6	123.2	147.4
-77.5°	0.0	5.5	11.1	16.6	22.1	30.8	45.5	60.0	74.3	88.5	105.5
-80°	0.0	4.4	8.9	13.3	17.7	22.1	27.7	39.4	50.9	62.2	73.3
-82.5°	0.0	3.3	6.7	10.0	13.3	16.6	19.8	23.0	27.2	35.7	44.1
-85°	0.0	2.2	4.5	6.7	8.9	11.1	13.2	15.4	17.5	19.6	21.6
-87.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.8	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: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.8	12.8	13.8	14.7	15.6	16.5	17.3	18.1	18.9	19.6	20.3
85°	23.6	25.6	30.7	35.8	40.7	45.5	50.0	54.4	58.7	62.7	66.5
82.5°	52.3	60.3	68.1	75.7	83.0	90.2	97.8	107.4	116.6	125.4	133.7
80°	84.2	94.9	109.8	124.5	138.8	152.6	165.9	178.8	191.0	203.4	215.6
77.5°	125.3	144.6	163.5	181.9	200.1	219.1	237.5	255.2	272.1	288.3	303.7
75°	171.1	194.3	219.0	243.3	266.9	289.8	311.7	332.0	351.4	370.0	387.6
72.5°	218.4	248.2	277.3	305.7	332.1	357.6	382.2	405.9	430.4	455.0	478.4
70°	267.9	301.8	333.9	364.8	394.8	425.1	457.0	487.8	517.3	548.4	583.7
67.5°	316.3	352.7	388.3	424.1	462.4	499.6	535.6	580.9	624.6	666.5	709.3
65°	362.2	402.6	445.6	489.4	532.0	584.9	637.4	688.2	748.0	807.1	863.4
62.5°	407.3	456.5	505.7	559.1	620.7	680.4	749.8	820.5	888.6	965.3	1040.0
60°	456.5	511.1	573.5	642.3	713.1	795.6	875.7	964.3	1053.7	1140.0	1245.9
57.5°	505.7	573.5	649.5	731.5	823.4	916.1	1020.2	1120.9	1241.8	1362.5	1482.6
55°	559.1	642.3	731.5	832.6	938.5	1054.0	1174.7	1315.4	1451.5	1603.3	1748.6
52.5°	620.7	713.1	823.4	938.5	1065.3	1204.2	1359.9	1521.0	1690.7	1855.5	2017.1
50°	680.4	795.6	916.1	1054.0	1204.2	1374.9	1556.0	1743.7	1929.0	2109.6	2278.9
47.5°	749.8	875.7	1020.2	1174.7	1359.9	1556.0	1761.4	1965.9	2165.7	2351.1	2528.6
45°	820.5	964.3	1120.9	1315.4	1521.0	1743.7	1965.9	2184.5	2387.5	2579.0	2746.6
42.5°	888.6	1053.7	1241.8	1451.5	1690.7	1929.0	2165.7	2387.5	2595.4	2779.9	2948.2
40°	965.3	1140.0	1362.5	1603.3	1855.5	2109.6	2351.1	2579.0	2779.9	2963.6	3134.0
37.5°	1040.0	1245.9	1482.6	1748.6	2017.1	2278.9	2528.6	2746.6	2948.2	3134.0	3297.5
35°	1110.9	1346.6	1610.2	1889.5	2171.3	2437.5	2680.6	2902.5	3102.8	3283.1	3450.2
32.5°	1189.7	1441.8	1731.0	2024.8	2311.9	2582.9	2823.9	3040.9	3240.1	3423.1	3589.2
30°	1270.9	1544.5	1845.6	2152.2	2443.8	2708.9	2949.5	3169.3	3366.9	3547.7	3710.4
27.5°	1346.6	1641.4	1955.0	2267.6	2564.4	2827.1	3064.5	3280.8	3479.6	3661.6	3819.3
25°	1416.6	1731.0	2056.2	2373.1	2665.9	2929.3	3168.7	3384.9	3582.5	3757.2	3910.5
22.5°	1485.6	1813.0	2149.0	2470.0	2759.2	3020.5	3257.8	3474.6	3672.3	3845.4	3992.5
20°	1552.7	1889.5	2230.8	2555.9	2843.8	3103.5	3338.9	3555.3	3747.7	3915.3	4061.7
17.5°	1612.5	1957.6	2302.4	2625.2	2913.4	3174.3	3410.7	3627.8	3815.6	3978.4	4121.6
15°	1664.7	2017.1	2365.0	2686.0	2973.2	3233.1	3469.5	3684.2	3870.8	4032.2	4174.4
12.5°	1709.1	2067.9	2418.5	2737.8	3024.4	3283.4	3519.9	3731.7	3915.0	4074.4	4213.5
10°	1745.7	2109.6	2462.5	2780.6	3066.6	3325.0	3561.6	3770.9	3951.8	4109.5	4246.1
7.5°	1774.3	2142.3	2496.9	2814.0	3099.6	3357.6	3594.3	3801.8	3980.6	4137.1	4271.8
5°	1794.8	2165.7	2521.6	2838.0	3123.3	3381.0	3617.8	3823.9	4001.4	4157.0	4290.4
2.5°	1807.1	2179.8	2536.4	2852.5	3137.6	3395.1	3632.0	3837.3	4014.0	4169.1	4301.6
0°	1811.2	2184.5	2541.4	2857.3	3142.4	3399.8	3636.7	3841.8	4018.2	4173.1	4305.4
-2.5°	1807.1	2179.8	2536.4	2852.5	3137.6	3395.1	3632.0	3837.3	4014.0	4169.1	4301.6
-5°	1794.8	2165.7	2521.6	2838.0	3123.3	3381.0	3617.8	3823.9	4001.4	4157.0	4290.4
-7.5°	1774.3	2142.3	2496.9	2814.0	3099.6	3357.6	3594.3	3801.8	3980.6	4137.1	4271.8
-10°	1745.7	2109.6	2462.5	2780.6	3066.6	3325.0	3561.6	3770.9	3951.8	4109.5	4246.1
-12.5°	1709.1	2067.9	2418.5	2737.8	3024.4	3283.4	3519.9	3731.7	3915.0	4074.4	4213.5
-15°	1664.7	2017.1	2365.0	2686.0	2973.2	3233.1	3469.5	3684.2	3870.8	4032.2	4174.4
-17.5°	1612.5	1957.6	2302.4	2625.2	2913.4	3174.3	3410.7	3627.8	3815.6	3978.4	4121.6
-20°	1552.7	1889.5	2230.8	2555.9	2843.8	3103.5	3338.9	3555.3	3747.7	3915.3	4061.7



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 CATALOG NUMBER: GFLD-SA2D-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1485.6	1813.0	2149.0	2470.0	2759.2	3020.5	3257.8	3474.6	3672.3	3845.4	3992.5
-25°	1416.6	1731.0	2056.2	2373.1	2665.9	2929.3	3168.7	3384.9	3582.5	3757.2	3910.5
-27.5°	1346.6	1641.4	1955.0	2267.6	2564.4	2827.1	3064.5	3280.8	3479.6	3661.6	3819.3
-30°	1270.9	1544.5	1845.6	2152.2	2443.8	2708.9	2949.5	3169.3	3366.9	3547.7	3710.4
-32.5°	1189.7	1441.8	1731.0	2024.8	2311.9	2582.9	2823.9	3040.9	3240.1	3423.1	3589.2
-35°	1110.9	1346.6	1610.2	1889.5	2171.3	2437.5	2680.6	2902.5	3102.8	3283.1	3450.2
-37.5°	1040.0	1245.9	1482.6	1748.6	2017.1	2278.9	2528.6	2746.6	2948.2	3134.0	3297.5
-40°	965.3	1140.0	1362.5	1603.3	1855.5	2109.6	2351.1	2579.0	2779.9	2963.6	3134.0
-42.5°	888.6	1053.7	1241.8	1451.5	1690.7	1929.0	2165.7	2387.5	2595.4	2779.9	2948.2
-45°	820.5	964.3	1120.9	1315.4	1521.0	1743.7	1965.9	2184.5	2387.5	2579.0	2746.6
-47.5°	749.8	875.7	1020.2	1174.7	1359.9	1556.0	1761.4	1965.9	2165.7	2351.1	2528.6
-50°	680.4	795.6	916.1	1054.0	1204.2	1374.9	1556.0	1743.7	1929.0	2109.6	2278.9
-52.5°	620.7	713.1	823.4	938.5	1065.3	1204.2	1359.9	1521.0	1690.7	1855.5	2017.1
-55°	559.1	642.3	731.5	832.6	938.5	1054.0	1174.7	1315.4	1451.5	1603.3	1748.6
-57.5°	505.7	573.5	649.5	731.5	823.4	916.1	1020.2	1120.9	1241.8	1362.5	1482.6
-60°	456.5	511.1	573.5	642.3	713.1	795.6	875.7	964.3	1053.7	1140.0	1245.9
-62.5°	407.3	456.5	505.7	559.1	620.7	680.4	749.8	820.5	888.6	965.3	1040.0
-65°	362.2	402.6	445.6	489.4	532.0	584.9	637.4	688.2	748.0	807.1	863.4
-67.5°	316.3	352.7	388.3	424.1	462.4	499.6	535.6	580.9	624.6	666.5	709.3
-70°	267.9	301.8	333.9	364.8	394.8	425.1	457.0	487.8	517.3	548.4	583.7
-72.5°	218.4	248.2	277.3	305.7	332.1	357.6	382.2	405.9	430.4	455.0	478.4
-75°	171.1	194.3	219.0	243.3	266.9	289.8	311.7	332.0	351.4	370.0	387.6
-77.5°	125.3	144.6	163.5	181.9	200.1	219.1	237.5	255.2	272.1	288.3	303.7
-80°	84.2	94.9	109.8	124.5	138.8	152.6	165.9	178.8	191.0	203.4	215.6
-82.5°	52.3	60.3	68.1	75.7	83.0	90.2	97.8	107.4	116.6	125.4	133.7
-85°	23.6	25.6	30.7	35.8	40.7	45.5	50.0	54.4	58.7	62.7	66.5
-87.5°	11.8	12.8	13.8	14.7	15.6	16.5	17.3	18.1	18.9	19.6	20.3
-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: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-LAM-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°	21.0	21.6	22.2	22.7	23.2	23.7	24.1	24.4	24.7	25.0	25.2
85°	70.1	73.5	76.7	79.6	82.3	84.7	87.0	88.9	90.6	92.1	93.3
82.5°	141.6	149.0	155.9	162.3	168.2	173.6	178.4	182.7	186.5	189.6	192.2
80°	227.2	238.1	248.3	257.7	266.4	274.3	281.5	287.8	293.3	298.0	301.8
77.5°	317.8	330.8	343.0	354.3	364.7	374.2	382.8	390.3	396.9	402.6	407.2
75°	404.3	420.6	437.3	452.8	467.0	480.0	491.7	502.1	511.1	518.8	525.1
72.5°	500.6	521.5	542.4	566.3	588.2	608.2	626.3	642.3	656.2	668.1	677.9
70°	617.1	648.6	678.1	708.2	740.2	769.3	795.6	819.0	839.4	856.7	870.9
67.5°	757.1	802.2	844.5	883.8	924.7	964.3	1000.1	1031.9	1059.7	1083.3	1102.7
65°	920.9	981.4	1038.0	1090.8	1140.0	1197.5	1249.5	1295.7	1336.0	1370.3	1398.6
62.5°	1110.9	1189.7	1270.9	1346.6	1416.6	1485.6	1552.7	1612.5	1664.7	1709.1	1745.7
60°	1346.6	1441.8	1544.5	1641.4	1731.0	1813.0	1889.5	1957.6	2017.1	2067.9	2109.6
57.5°	1610.2	1731.0	1845.6	1955.0	2056.2	2149.0	2230.8	2302.4	2365.0	2418.5	2462.5
55°	1889.5	2024.8	2152.2	2267.6	2373.1	2470.0	2555.9	2625.2	2686.0	2737.8	2780.6
52.5°	2171.3	2311.9	2443.8	2564.4	2665.9	2759.2	2843.8	2913.4	2973.2	3024.4	3066.6
50°	2437.5	2582.9	2708.9	2827.1	2929.3	3020.5	3103.5	3174.3	3233.1	3283.4	3325.0
47.5°	2680.6	2823.9	2949.5	3064.5	3168.7	3257.8	3338.9	3410.7	3469.5	3519.9	3561.6
45°	2902.5	3040.9	3169.3	3280.8	3384.9	3474.6	3555.3	3627.8	3684.2	3731.7	3770.9
42.5°	3102.8	3240.1	3366.9	3479.6	3582.5	3672.3	3747.7	3815.6	3870.8	3915.0	3951.8
40°	3283.1	3423.1	3547.7	3661.6	3757.2	3845.4	3915.3	3978.4	4032.2	4074.4	4109.5
37.5°	3450.2	3589.2	3710.4	3819.3	3910.5	3992.5	4061.7	4121.6	4174.4	4213.5	4246.1
35°	3603.1	3735.0	3855.0	3954.8	4045.3	4122.5	4190.6	4245.8	4294.9	4332.2	4361.9
32.5°	3735.0	3865.9	3977.3	4075.6	4163.9	4235.9	4301.3	4351.9	4396.4	4432.3	4459.9
30°	3855.0	3977.3	4085.8	4183.2	4263.6	4333.8	4392.7	4442.0	4483.1	4517.3	4541.6
27.5°	3954.8	4075.6	4183.2	4272.9	4349.9	4417.5	4471.3	4518.8	4554.8	4586.3	4607.2
25°	4045.3	4163.9	4263.6	4349.9	4424.7	4486.3	4537.6	4580.6	4612.5	4639.5	4655.0
22.5°	4122.5	4235.9	4333.8	4417.5	4486.3	4543.9	4592.3	4628.7	4654.8	4671.1	4680.3
20°	4190.6	4301.3	4392.7	4471.3	4537.6	4592.3	4634.2	4661.2	4679.3	4683.8	4686.4
17.5°	4245.8	4351.9	4442.0	4518.8	4580.6	4628.7	4661.2	4680.2	4685.6	4684.6	4682.0
15°	4294.9	4396.4	4483.1	4554.8	4612.5	4654.8	4679.3	4685.6	4684.0	4678.5	4670.1
12.5°	4332.2	4432.3	4517.3	4586.3	4639.5	4671.1	4683.8	4684.6	4678.5	4668.0	4656.1
10°	4361.9	4459.9	4541.6	4607.2	4655.0	4680.3	4686.4	4682.0	4670.1	4656.1	4642.7
7.5°	4385.4	4481.8	4560.9	4623.8	4665.2	4683.1	4684.5	4676.0	4661.7	4645.8	4631.4
5°	4402.5	4497.7	4575.0	4636.0	4672.6	4685.2	4683.0	4671.3	4654.8	4638.1	4625.0
2.5°	4412.8	4507.3	4583.5	4643.4	4677.2	4686.5	4682.1	4668.4	4650.5	4633.2	4620.7
0°	4416.2	4510.5	4586.4	4645.9	4678.7	4686.9	4681.8	4667.4	4649.0	4631.5	4619.2
-2.5°	4412.8	4507.3	4583.5	4643.4	4677.2	4686.5	4682.1	4668.4	4650.5	4633.2	4620.7
-5°	4402.5	4497.7	4575.0	4636.0	4672.6	4685.2	4683.0	4671.3	4654.8	4638.1	4625.0
-7.5°	4385.4	4481.8	4560.9	4623.8	4665.2	4683.1	4684.5	4676.0	4661.7	4645.8	4631.4
-10°	4361.9	4459.9	4541.6	4607.2	4655.0	4680.3	4686.4	4682.0	4670.1	4656.1	4642.7
-12.5°	4332.2	4432.3	4517.3	4586.3	4639.5	4671.1	4683.8	4684.6	4678.5	4668.0	4656.1
-15°	4294.9	4396.4	4483.1	4554.8	4612.5	4654.8	4679.3	4685.6	4684.0	4678.5	4670.1
-17.5°	4245.8	4351.9	4442.0	4518.8	4580.6	4628.7	4661.2	4680.2	4685.6	4684.6	4682.0
-20°	4190.6	4301.3	4392.7	4471.3	4537.6	4592.3	4634.2	4661.2	4679.3	4683.8	4686.4



REPORT NUMBER: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4122.5	4235.9	4333.8	4417.5	4486.3	4543.9	4592.3	4628.7	4654.8	4671.1	4680.3
-25°	4045.3	4163.9	4263.6	4349.9	4424.7	4486.3	4537.6	4580.6	4612.5	4639.5	4655.0
-27.5°	3954.8	4075.6	4183.2	4272.9	4349.9	4417.5	4471.3	4518.8	4554.8	4586.3	4607.2
-30°	3855.0	3977.3	4085.8	4183.2	4263.6	4333.8	4392.7	4442.0	4483.1	4517.3	4541.6
-32.5°	3735.0	3865.9	3977.3	4075.6	4163.9	4235.9	4301.3	4351.9	4396.4	4432.3	4459.9
-35°	3603.1	3735.0	3855.0	3954.8	4045.3	4122.5	4190.6	4245.8	4294.9	4332.2	4361.9
-37.5°	3450.2	3589.2	3710.4	3819.3	3910.5	3992.5	4061.7	4121.6	4174.4	4213.5	4246.1
-40°	3283.1	3423.1	3547.7	3661.6	3757.2	3845.4	3915.3	3978.4	4032.2	4074.4	4109.5
-42.5°	3102.8	3240.1	3366.9	3479.6	3582.5	3672.3	3747.7	3815.6	3870.8	3915.0	3951.8
-45°	2902.5	3040.9	3169.3	3280.8	3384.9	3474.6	3555.3	3627.8	3684.2	3731.7	3770.9
-47.5°	2680.6	2823.9	2949.5	3064.5	3168.7	3257.8	3338.9	3410.7	3469.5	3519.9	3561.6
-50°	2437.5	2582.9	2708.9	2827.1	2929.3	3020.5	3103.5	3174.3	3233.1	3283.4	3325.0
-52.5°	2171.3	2311.9	2443.8	2564.4	2665.9	2759.2	2843.8	2913.4	2973.2	3024.4	3066.6
-55°	1889.5	2024.8	2152.2	2267.6	2373.1	2470.0	2555.9	2625.2	2686.0	2737.8	2780.6
-57.5°	1610.2	1731.0	1845.6	1955.0	2056.2	2149.0	2230.8	2302.4	2365.0	2418.5	2462.5
-60°	1346.6	1441.8	1544.5	1641.4	1731.0	1813.0	1889.5	1957.6	2017.1	2067.9	2109.6
-62.5°	1110.9	1189.7	1270.9	1346.6	1416.6	1485.6	1552.7	1612.5	1664.7	1709.1	1745.7
-65°	920.9	981.4	1038.0	1090.8	1140.0	1197.5	1249.5	1295.7	1336.0	1370.3	1398.6
-67.5°	757.1	802.2	844.5	883.8	924.7	964.3	1000.1	1031.9	1059.7	1083.3	1102.7
-70°	617.1	648.6	678.1	708.2	740.2	769.3	795.6	819.0	839.4	856.7	870.9
-72.5°	500.6	521.5	542.4	566.3	588.2	608.2	626.3	642.3	656.2	668.1	677.9
-75°	404.3	420.6	437.3	452.8	467.0	480.0	491.7	502.1	511.1	518.8	525.1
-77.5°	317.8	330.8	343.0	354.3	364.7	374.2	382.8	390.3	396.9	402.6	407.2
-80°	227.2	238.1	248.3	257.7	266.4	274.3	281.5	287.8	293.3	298.0	301.8
-82.5°	141.6	149.0	155.9	162.3	168.2	173.6	178.4	182.7	186.5	189.6	192.2
-85°	70.1	73.5	76.7	79.6	82.3	84.7	87.0	88.9	90.6	92.1	93.3
-87.5°	21.0	21.6	22.2	22.7	23.2	23.7	24.1	24.4	24.7	25.0	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: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-LAM-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°	25.4	25.5	25.6	25.6	25.6	25.5	25.4	25.2	25.0	24.7	24.4
85°	94.2	94.9	95.3	95.4	95.3	94.9	94.2	93.3	92.1	90.6	88.9
82.5°	194.3	195.7	196.6	196.9	196.6	195.7	194.3	192.2	189.6	186.5	182.7
80°	304.8	307.0	308.3	308.7	308.3	307.0	304.8	301.8	298.0	293.3	287.8
77.5°	410.8	413.3	414.9	415.4	414.9	413.3	410.8	407.2	402.6	396.9	390.3
75°	530.0	533.6	535.7	536.4	535.7	533.6	530.0	525.1	518.8	511.1	502.1
72.5°	685.5	690.9	694.2	695.3	694.2	690.9	685.5	677.9	668.1	656.2	642.3
70°	882.1	890.0	894.8	896.4	894.8	890.0	882.1	870.9	856.7	839.4	819.0
67.5°	1117.8	1128.7	1135.2	1137.4	1135.2	1128.7	1117.8	1102.7	1083.3	1059.7	1031.9
65°	1420.6	1436.4	1445.9	1449.1	1445.9	1436.4	1420.6	1398.6	1370.3	1336.0	1295.7
62.5°	1774.3	1794.8	1807.1	1811.2	1807.1	1794.8	1774.3	1745.7	1709.1	1664.7	1612.5
60°	2142.3	2165.7	2179.8	2184.5	2179.8	2165.7	2142.3	2109.6	2067.9	2017.1	1957.6
57.5°	2496.9	2521.6	2536.4	2541.4	2536.4	2521.6	2496.9	2462.5	2418.5	2365.0	2302.4
55°	2814.0	2838.0	2852.5	2857.3	2852.5	2838.0	2814.0	2780.6	2737.8	2686.0	2625.2
52.5°	3099.6	3123.3	3137.6	3142.4	3137.6	3123.3	3099.6	3066.6	3024.4	2973.2	2913.4
50°	3357.6	3381.0	3395.1	3399.8	3395.1	3381.0	3357.6	3325.0	3283.4	3233.1	3174.3
47.5°	3594.3	3617.8	3632.0	3636.7	3632.0	3617.8	3594.3	3561.6	3519.9	3469.5	3410.7
45°	3801.8	3823.9	3837.3	3841.8	3837.3	3823.9	3801.8	3770.9	3731.7	3684.2	3627.8
42.5°	3980.6	4001.4	4014.0	4018.2	4014.0	4001.4	3980.6	3951.8	3915.0	3870.8	3815.6
40°	4137.1	4157.0	4169.1	4173.1	4169.1	4157.0	4137.1	4109.5	4074.4	4032.2	3978.4
37.5°	4271.8	4290.4	4301.6	4305.4	4301.6	4290.4	4271.8	4246.1	4213.5	4174.4	4121.6
35°	4385.4	4402.5	4412.8	4416.2	4412.8	4402.5	4385.4	4361.9	4332.2	4294.9	4245.8
32.5°	4481.8	4497.7	4507.3	4510.5	4507.3	4497.7	4481.8	4459.9	4432.3	4396.4	4351.9
30°	4560.9	4575.0	4583.5	4586.4	4583.5	4575.0	4560.9	4541.6	4517.3	4483.1	4442.0
27.5°	4623.8	4636.0	4643.4	4645.9	4643.4	4636.0	4623.8	4607.2	4586.3	4554.8	4518.8
25°	4665.2	4672.6	4677.2	4678.7	4677.2	4672.6	4665.2	4655.0	4639.5	4612.5	4580.6
22.5°	4683.1	4685.2	4686.5	4686.9	4686.5	4685.2	4683.1	4680.3	4671.1	4654.8	4628.7
20°	4684.5	4683.0	4682.1	4681.8	4682.1	4683.0	4684.5	4686.4	4683.8	4679.3	4661.2
17.5°	4676.0	4671.3	4668.4	4667.4	4668.4	4671.3	4676.0	4682.0	4684.6	4685.6	4680.2
15°	4661.7	4654.8	4650.5	4649.0	4650.5	4654.8	4661.7	4670.1	4678.5	4684.0	4685.6
12.5°	4645.8	4638.1	4633.2	4631.5	4633.2	4638.1	4645.8	4656.1	4668.0	4678.5	4684.6
10°	4631.4	4625.0	4620.7	4619.2	4620.7	4625.0	4631.4	4642.7	4656.1	4670.1	4682.0
7.5°	4622.1	4616.3	4613.2	4612.0	4613.2	4616.3	4622.1	4631.4	4645.8	4661.7	4676.0
5°	4616.3	4610.6	4605.7	4603.8	4605.7	4610.6	4616.3	4625.0	4638.1	4654.8	4671.3
2.5°	4613.2	4605.7	4598.4	4594.6	4598.4	4605.7	4613.2	4620.7	4633.2	4650.5	4668.4
0°	4612.0	4603.8	4594.6	4595.6	4594.6	4603.8	4612.0	4619.2	4631.5	4649.0	4667.4
-2.5°	4613.2	4605.7	4598.4	4594.6	4598.4	4605.7	4613.2	4620.7	4633.2	4650.5	4668.4
-5°	4616.3	4610.6	4605.7	4603.8	4605.7	4610.6	4616.3	4625.0	4638.1	4654.8	4671.3
-7.5°	4622.1	4616.3	4613.2	4612.0	4613.2	4616.3	4622.1	4631.4	4645.8	4661.7	4676.0
-10°	4631.4	4625.0	4620.7	4619.2	4620.7	4625.0	4631.4	4642.7	4656.1	4670.1	4682.0
-12.5°	4645.8	4638.1	4633.2	4631.5	4633.2	4638.1	4645.8	4656.1	4668.0	4678.5	4684.6
-15°	4661.7	4654.8	4650.5	4649.0	4650.5	4654.8	4661.7	4670.1	4678.5	4684.0	4685.6
-17.5°	4676.0	4671.3	4668.4	4667.4	4668.4	4671.3	4676.0	4682.0	4684.6	4685.6	4680.2
-20°	4684.5	4683.0	4682.1	4681.8	4682.1	4683.0	4684.5	4686.4	4683.8	4679.3	4661.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4683.1	4685.2	4686.5	4686.9	4686.5	4685.2	4683.1	4680.3	4671.1	4654.8	4628.7
-25°	4665.2	4672.6	4677.2	4678.7	4677.2	4672.6	4665.2	4655.0	4639.5	4612.5	4580.6
-27.5°	4623.8	4636.0	4643.4	4645.9	4643.4	4636.0	4623.8	4607.2	4586.3	4554.8	4518.8
-30°	4560.9	4575.0	4583.5	4586.4	4583.5	4575.0	4560.9	4541.6	4517.3	4483.1	4442.0
-32.5°	4481.8	4497.7	4507.3	4510.5	4507.3	4497.7	4481.8	4459.9	4432.3	4396.4	4351.9
-35°	4385.4	4402.5	4412.8	4416.2	4412.8	4402.5	4385.4	4361.9	4332.2	4294.9	4245.8
-37.5°	4271.8	4290.4	4301.6	4305.4	4301.6	4290.4	4271.8	4246.1	4213.5	4174.4	4121.6
-40°	4137.1	4157.0	4169.1	4173.1	4169.1	4157.0	4137.1	4109.5	4074.4	4032.2	3978.4
-42.5°	3980.6	4001.4	4014.0	4018.2	4014.0	4001.4	3980.6	3951.8	3915.0	3870.8	3815.6
-45°	3801.8	3823.9	3837.3	3841.8	3837.3	3823.9	3801.8	3770.9	3731.7	3684.2	3627.8
-47.5°	3594.3	3617.8	3632.0	3636.7	3632.0	3617.8	3594.3	3561.6	3519.9	3469.5	3410.7
-50°	3357.6	3381.0	3395.1	3399.8	3395.1	3381.0	3357.6	3325.0	3283.4	3233.1	3174.3
-52.5°	3099.6	3123.3	3137.6	3142.4	3137.6	3123.3	3099.6	3066.6	3024.4	2973.2	2913.4
-55°	2814.0	2838.0	2852.5	2857.3	2852.5	2838.0	2814.0	2780.6	2737.8	2686.0	2625.2
-57.5°	2496.9	2521.6	2536.4	2541.4	2536.4	2521.6	2496.9	2462.5	2418.5	2365.0	2302.4
-60°	2142.3	2165.7	2179.8	2184.5	2179.8	2165.7	2142.3	2109.6	2067.9	2017.1	1957.6
-62.5°	1774.3	1794.8	1807.1	1811.2	1807.1	1794.8	1774.3	1745.7	1709.1	1664.7	1612.5
-65°	1420.6	1436.4	1445.9	1449.1	1445.9	1436.4	1420.6	1398.6	1370.3	1336.0	1295.7
-67.5°	1117.8	1128.7	1135.2	1137.4	1135.2	1128.7	1117.8	1102.7	1083.3	1059.7	1031.9
-70°	882.1	890.0	894.8	896.4	894.8	890.0	882.1	870.9	856.7	839.4	819.0
-72.5°	685.5	690.9	694.2	695.3	694.2	690.9	685.5	677.9	668.1	656.2	642.3
-75°	530.0	533.6	535.7	536.4	535.7	533.6	530.0	525.1	518.8	511.1	502.1
-77.5°	410.8	413.3	414.9	415.4	414.9	413.3	410.8	407.2	402.6	396.9	390.3
-80°	304.8	307.0	308.3	308.7	308.3	307.0	304.8	301.8	298.0	293.3	287.8
-82.5°	194.3	195.7	196.6	196.9	196.6	195.7	194.3	192.2	189.6	186.5	182.7
-85°	94.2	94.9	95.3	95.4	95.3	94.9	94.2	93.3	92.1	90.6	88.9
-87.5°	25.4	25.5	25.6	25.6	25.6	25.5	25.4	25.2	25.0	24.7	24.4
-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: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-LAM-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°	24.1	23.7	23.2	22.7	22.2	21.6	21.0	20.3	19.6	18.9	18.1
85°	87.0	84.7	82.3	79.6	76.7	73.5	70.1	66.5	62.7	58.7	54.4
82.5°	178.4	173.6	168.2	162.3	155.9	149.0	141.6	133.7	125.4	116.6	107.4
80°	281.5	274.3	266.4	257.7	248.3	238.1	227.2	215.6	203.4	191.0	178.8
77.5°	382.8	374.2	364.7	354.3	343.0	330.8	317.8	303.7	288.3	272.1	255.2
75°	491.7	480.0	467.0	452.8	437.3	420.6	404.3	387.6	370.0	351.4	332.0
72.5°	626.3	608.2	588.2	566.3	542.4	521.5	500.6	478.4	455.0	430.4	405.9
70°	795.6	769.3	740.2	708.2	678.1	648.6	617.1	583.7	548.4	517.3	487.8
67.5°	1000.1	964.3	924.7	883.8	844.5	802.2	757.1	709.3	666.5	624.6	580.9
65°	1249.5	1197.5	1140.0	1090.8	1038.0	981.4	920.9	863.4	807.1	748.0	688.2
62.5°	1552.7	1485.6	1416.6	1346.6	1270.9	1189.7	1110.9	1040.0	965.3	888.6	820.5
60°	1889.5	1813.0	1731.0	1641.4	1544.5	1441.8	1346.6	1245.9	1140.0	1053.7	964.3
57.5°	2230.8	2149.0	2056.2	1955.0	1845.6	1731.0	1610.2	1482.6	1362.5	1241.8	1120.9
55°	2555.9	2470.0	2373.1	2267.6	2152.2	2024.8	1889.5	1748.6	1603.3	1451.5	1315.4
52.5°	2843.8	2759.2	2665.9	2564.4	2443.8	2311.9	2171.3	2017.1	1855.5	1690.7	1521.0
50°	3103.5	3020.5	2929.3	2827.1	2708.9	2582.9	2437.5	2278.9	2109.6	1929.0	1743.7
47.5°	3338.9	3257.8	3168.7	3064.5	2949.5	2823.9	2680.6	2528.6	2351.1	2165.7	1965.9
45°	3555.3	3474.6	3384.9	3280.8	3169.3	3040.9	2902.5	2746.6	2579.0	2387.5	2184.5
42.5°	3747.7	3672.3	3582.5	3479.6	3366.9	3240.1	3102.8	2948.2	2779.9	2595.4	2387.5
40°	3915.3	3845.4	3757.2	3661.6	3547.7	3423.1	3283.1	3134.0	2963.6	2779.9	2579.0
37.5°	4061.7	3992.5	3910.5	3819.3	3710.4	3589.2	3450.2	3297.5	3134.0	2948.2	2746.6
35°	4190.6	4122.5	4045.3	3954.8	3855.0	3735.0	3603.1	3450.2	3283.1	3102.8	2902.5
32.5°	4301.3	4235.9	4163.9	4075.6	3977.3	3865.9	3735.0	3589.2	3423.1	3240.1	3040.9
30°	4392.7	4333.8	4263.6	4183.2	4085.8	3977.3	3855.0	3710.4	3547.7	3366.9	3169.3
27.5°	4471.3	4417.5	4349.9	4272.9	4183.2	4075.6	3954.8	3819.3	3661.6	3479.6	3280.8
25°	4537.6	4486.3	4424.7	4349.9	4263.6	4163.9	4045.3	3910.5	3757.2	3582.5	3384.9
22.5°	4592.3	4543.9	4486.3	4417.5	4333.8	4235.9	4122.5	3992.5	3845.4	3672.3	3474.6
20°	4634.2	4592.3	4537.6	4471.3	4392.7	4301.3	4190.6	4061.7	3915.3	3747.7	3555.3
17.5°	4661.2	4628.7	4580.6	4518.8	4442.0	4351.9	4245.8	4121.6	3978.4	3815.6	3627.8
15°	4679.3	4654.8	4612.5	4554.8	4483.1	4396.4	4294.9	4174.4	4032.2	3870.8	3684.2
12.5°	4683.8	4671.1	4639.5	4586.3	4517.3	4432.3	4332.2	4213.5	4074.4	3915.0	3731.7
10°	4686.4	4680.3	4655.0	4607.2	4541.6	4459.9	4361.9	4246.1	4109.5	3951.8	3770.9
7.5°	4684.5	4683.1	4665.2	4623.8	4560.9	4481.8	4385.4	4271.8	4137.1	3980.6	3801.8
5°	4683.0	4685.2	4672.6	4636.0	4575.0	4497.7	4402.5	4290.4	4157.0	4001.4	3823.9
2.5°	4682.1	4686.5	4677.2	4643.4	4583.5	4507.3	4412.8	4301.6	4169.1	4014.0	3837.3
0°	4681.8	4686.9	4678.7	4645.9	4586.4	4510.5	4416.2	4305.4	4173.1	4018.2	3841.8
-2.5°	4682.1	4686.5	4677.2	4643.4	4583.5	4507.3	4412.8	4301.6	4169.1	4014.0	3837.3
-5°	4683.0	4685.2	4672.6	4636.0	4575.0	4497.7	4402.5	4290.4	4157.0	4001.4	3823.9
-7.5°	4684.5	4683.1	4665.2	4623.8	4560.9	4481.8	4385.4	4271.8	4137.1	3980.6	3801.8
-10°	4686.4	4680.3	4655.0	4607.2	4541.6	4459.9	4361.9	4246.1	4109.5	3951.8	3770.9
-12.5°	4683.8	4671.1	4639.5	4586.3	4517.3	4432.3	4332.2	4213.5	4074.4	3915.0	3731.7
-15°	4679.3	4654.8	4612.5	4554.8	4483.1	4396.4	4294.9	4174.4	4032.2	3870.8	3684.2
-17.5°	4661.2	4628.7	4580.6	4518.8	4442.0	4351.9	4245.8	4121.6	3978.4	3815.6	3627.8
-20°	4634.2	4592.3	4537.6	4471.3	4392.7	4301.3	4190.6	4061.7	3915.3	3747.7	3555.3



REPORT NUMBER: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4592.3	4543.9	4486.3	4417.5	4333.8	4235.9	4122.5	3992.5	3845.4	3672.3	3474.6
-25°	4537.6	4486.3	4424.7	4349.9	4263.6	4163.9	4045.3	3910.5	3757.2	3582.5	3384.9
-27.5°	4471.3	4417.5	4349.9	4272.9	4183.2	4075.6	3954.8	3819.3	3661.6	3479.6	3280.8
-30°	4392.7	4333.8	4263.6	4183.2	4085.8	3977.3	3855.0	3710.4	3547.7	3366.9	3169.3
-32.5°	4301.3	4235.9	4163.9	4075.6	3977.3	3865.9	3735.0	3589.2	3423.1	3240.1	3040.9
-35°	4190.6	4122.5	4045.3	3954.8	3855.0	3735.0	3603.1	3450.2	3283.1	3102.8	2902.5
-37.5°	4061.7	3992.5	3910.5	3819.3	3710.4	3589.2	3450.2	3297.5	3134.0	2948.2	2746.6
-40°	3915.3	3845.4	3757.2	3661.6	3547.7	3423.1	3283.1	3134.0	2963.6	2779.9	2579.0
-42.5°	3747.7	3672.3	3582.5	3479.6	3366.9	3240.1	3102.8	2948.2	2779.9	2595.4	2387.5
-45°	3555.3	3474.6	3384.9	3280.8	3169.3	3040.9	2902.5	2746.6	2579.0	2387.5	2184.5
-47.5°	3338.9	3257.8	3168.7	3064.5	2949.5	2823.9	2680.6	2528.6	2351.1	2165.7	1965.9
-50°	3103.5	3020.5	2929.3	2827.1	2708.9	2582.9	2437.5	2278.9	2109.6	1929.0	1743.7
-52.5°	2843.8	2759.2	2665.9	2564.4	2443.8	2311.9	2171.3	2017.1	1855.5	1690.7	1521.0
-55°	2555.9	2470.0	2373.1	2267.6	2152.2	2024.8	1889.5	1748.6	1603.3	1451.5	1315.4
-57.5°	2230.8	2149.0	2056.2	1955.0	1845.6	1731.0	1610.2	1482.6	1362.5	1241.8	1120.9
-60°	1889.5	1813.0	1731.0	1641.4	1544.5	1441.8	1346.6	1245.9	1140.0	1053.7	964.3
-62.5°	1552.7	1485.6	1416.6	1346.6	1270.9	1189.7	1110.9	1040.0	965.3	888.6	820.5
-65°	1249.5	1197.5	1140.0	1090.8	1038.0	981.4	920.9	863.4	807.1	748.0	688.2
-67.5°	1000.1	964.3	924.7	883.8	844.5	802.2	757.1	709.3	666.5	624.6	580.9
-70°	795.6	769.3	740.2	708.2	678.1	648.6	617.1	583.7	548.4	517.3	487.8
-72.5°	626.3	608.2	588.2	566.3	542.4	521.5	500.6	478.4	455.0	430.4	405.9
-75°	491.7	480.0	467.0	452.8	437.3	420.6	404.3	387.6	370.0	351.4	332.0
-77.5°	382.8	374.2	364.7	354.3	343.0	330.8	317.8	303.7	288.3	272.1	255.2
-80°	281.5	274.3	266.4	257.7	248.3	238.1	227.2	215.6	203.4	191.0	178.8
-82.5°	178.4	173.6	168.2	162.3	155.9	149.0	141.6	133.7	125.4	116.6	107.4
-85°	87.0	84.7	82.3	79.6	76.7	73.5	70.1	66.5	62.7	58.7	54.4
-87.5°	24.1	23.7	23.2	22.7	22.2	21.6	21.0	20.3	19.6	18.9	18.1
-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: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2D-735-U-LAM-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°	17.3	16.5	15.6	14.7	13.8	12.8	11.8	10.8	9.8	8.8	7.7
85°	50.0	45.5	40.7	35.8	30.7	25.6	23.6	21.6	19.6	17.5	15.4
82.5°	97.8	90.2	83.0	75.7	68.1	60.3	52.3	44.1	35.7	27.2	23.0
80°	165.9	152.6	138.8	124.5	109.8	94.9	84.2	73.3	62.2	50.9	39.4
77.5°	237.5	219.1	200.1	181.9	163.5	144.6	125.3	105.5	88.5	74.3	60.0
75°	311.7	289.8	266.9	243.3	219.0	194.3	171.1	147.4	123.2	98.6	80.4
72.5°	382.2	357.6	332.1	305.7	277.3	248.2	218.4	188.8	160.7	132.1	103.0
70°	457.0	425.1	394.8	364.8	333.9	301.8	267.9	233.2	197.8	165.1	132.1
67.5°	535.6	499.6	462.4	424.1	388.3	352.7	316.3	277.7	238.1	197.8	160.7
65°	637.4	584.9	532.0	489.4	445.6	402.6	362.2	321.0	277.7	233.2	188.8
62.5°	749.8	680.4	620.7	559.1	505.7	456.5	407.3	362.2	316.3	267.9	218.4
60°	875.7	795.6	713.1	642.3	573.5	511.1	456.5	402.6	352.7	301.8	248.2
57.5°	1020.2	916.1	823.4	731.5	649.5	573.5	505.7	445.6	388.3	333.9	277.3
55°	1174.7	1054.0	938.5	832.6	731.5	642.3	559.1	489.4	424.1	364.8	305.7
52.5°	1359.9	1204.2	1065.3	938.5	823.4	713.1	620.7	532.0	462.4	394.8	332.1
50°	1556.0	1374.9	1204.2	1054.0	916.1	795.6	680.4	584.9	499.6	425.1	357.6
47.5°	1761.4	1556.0	1359.9	1174.7	1020.2	875.7	749.8	637.4	535.6	457.0	382.2
45°	1965.9	1743.7	1521.0	1315.4	1120.9	964.3	820.5	688.2	580.9	487.8	405.9
42.5°	2165.7	1929.0	1690.7	1451.5	1241.8	1053.7	888.6	748.0	624.6	517.3	430.4
40°	2351.1	2109.6	1855.5	1603.3	1362.5	1140.0	965.3	807.1	666.5	548.4	455.0
37.5°	2528.6	2278.9	2017.1	1748.6	1482.6	1245.9	1040.0	863.4	709.3	583.7	478.4
35°	2680.6	2437.5	2171.3	1889.5	1610.2	1346.6	1110.9	920.9	757.1	617.1	500.6
32.5°	2823.9	2582.9	2311.9	2024.8	1731.0	1441.8	1189.7	981.4	802.2	648.6	521.5
30°	2949.5	2708.9	2443.8	2152.2	1845.6	1544.5	1270.9	1038.0	844.5	678.1	542.4
27.5°	3064.5	2827.1	2564.4	2267.6	1955.0	1641.4	1346.6	1090.8	883.8	708.2	566.3
25°	3168.7	2929.3	2665.9	2373.1	2056.2	1731.0	1416.6	1140.0	924.7	740.2	588.2
22.5°	3257.8	3020.5	2759.2	2470.0	2149.0	1813.0	1485.6	1197.5	964.3	769.3	608.2
20°	3338.9	3103.5	2843.8	2555.9	2230.8	1889.5	1552.7	1249.5	1000.1	795.6	626.3
17.5°	3410.7	3174.3	2913.4	2625.2	2302.4	1957.6	1612.5	1295.7	1031.9	819.0	642.3
15°	3469.5	3233.1	2973.2	2686.0	2365.0	2017.1	1664.7	1336.0	1059.7	839.4	656.2
12.5°	3519.9	3283.4	3024.4	2737.8	2418.5	2067.9	1709.1	1370.3	1083.3	856.7	668.1
10°	3561.6	3325.0	3066.6	2780.6	2462.5	2109.6	1745.7	1398.6	1102.7	870.9	677.9
7.5°	3594.3	3357.6	3099.6	2814.0	2496.9	2142.3	1774.3	1420.6	1117.8	882.1	685.5
5°	3617.8	3381.0	3123.3	2838.0	2521.6	2165.7	1794.8	1436.4	1128.7	890.0	690.9
2.5°	3632.0	3395.1	3137.6	2852.5	2536.4	2179.8	1807.1	1445.9	1135.2	894.8	694.2
0°	3636.7	3399.8	3142.4	2857.3	2541.4	2184.5	1811.2	1449.1	1137.4	896.4	695.3
-2.5°	3632.0	3395.1	3137.6	2852.5	2536.4	2179.8	1807.1	1445.9	1135.2	894.8	694.2
-5°	3617.8	3381.0	3123.3	2838.0	2521.6	2165.7	1794.8	1436.4	1128.7	890.0	690.9
-7.5°	3594.3	3357.6	3099.6	2814.0	2496.9	2142.3	1774.3	1420.6	1117.8	882.1	685.5
-10°	3561.6	3325.0	3066.6	2780.6	2462.5	2109.6	1745.7	1398.6	1102.7	870.9	677.9
-12.5°	3519.9	3283.4	3024.4	2737.8	2418.5	2067.9	1709.1	1370.3	1083.3	856.7	668.1
-15°	3469.5	3233.1	2973.2	2686.0	2365.0	2017.1	1664.7	1336.0	1059.7	839.4	656.2
-17.5°	3410.7	3174.3	2913.4	2625.2	2302.4	1957.6	1612.5	1295.7	1031.9	819.0	642.3
-20°	3338.9	3103.5	2843.8	2555.9	2230.8	1889.5	1552.7	1249.5	1000.1	795.6	626.3

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



REPORT NUMBER: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3257.8	3020.5	2759.2	2470.0	2149.0	1813.0	1485.6	1197.5	964.3	769.3	608.2
-25°	3168.7	2929.3	2665.9	2373.1	2056.2	1731.0	1416.6	1140.0	924.7	740.2	588.2
-27.5°	3064.5	2827.1	2564.4	2267.6	1955.0	1641.4	1346.6	1090.8	883.8	708.2	566.3
-30°	2949.5	2708.9	2443.8	2152.2	1845.6	1544.5	1270.9	1038.0	844.5	678.1	542.4
-32.5°	2823.9	2582.9	2311.9	2024.8	1731.0	1441.8	1189.7	981.4	802.2	648.6	521.5
-35°	2680.6	2437.5	2171.3	1889.5	1610.2	1346.6	1110.9	920.9	757.1	617.1	500.6
-37.5°	2528.6	2278.9	2017.1	1748.6	1482.6	1245.9	1040.0	863.4	709.3	583.7	478.4
-40°	2351.1	2109.6	1855.5	1603.3	1362.5	1140.0	965.3	807.1	666.5	548.4	455.0
-42.5°	2165.7	1929.0	1690.7	1451.5	1241.8	1053.7	888.6	748.0	624.6	517.3	430.4
-45°	1965.9	1743.7	1521.0	1315.4	1120.9	964.3	820.5	688.2	580.9	487.8	405.9
-47.5°	1761.4	1556.0	1359.9	1174.7	1020.2	875.7	749.8	637.4	535.6	457.0	382.2
-50°	1556.0	1374.9	1204.2	1054.0	916.1	795.6	680.4	584.9	499.6	425.1	357.6
-52.5°	1359.9	1204.2	1065.3	938.5	823.4	713.1	620.7	532.0	462.4	394.8	332.1
-55°	1174.7	1054.0	938.5	832.6	731.5	642.3	559.1	489.4	424.1	364.8	305.7
-57.5°	1020.2	916.1	823.4	731.5	649.5	573.5	505.7	445.6	388.3	333.9	277.3
-60°	875.7	795.6	713.1	642.3	573.5	511.1	456.5	402.6	352.7	301.8	248.2
-62.5°	749.8	680.4	620.7	559.1	505.7	456.5	407.3	362.2	316.3	267.9	218.4
-65°	637.4	584.9	532.0	489.4	445.6	402.6	362.2	321.0	277.7	233.2	188.8
-67.5°	535.6	499.6	462.4	424.1	388.3	352.7	316.3	277.7	238.1	197.8	160.7
-70°	457.0	425.1	394.8	364.8	333.9	301.8	267.9	233.2	197.8	165.1	132.1
-72.5°	382.2	357.6	332.1	305.7	277.3	248.2	218.4	188.8	160.7	132.1	103.0
-75°	311.7	289.8	266.9	243.3	219.0	194.3	171.1	147.4	123.2	98.6	80.4
-77.5°	237.5	219.1	200.1	181.9	163.5	144.6	125.3	105.5	88.5	74.3	60.0
-80°	165.9	152.6	138.8	124.5	109.8	94.9	84.2	73.3	62.2	50.9	39.4
-82.5°	97.8	90.2	83.0	75.7	68.1	60.3	52.3	44.1	35.7	27.2	23.0
-85°	50.0	45.5	40.7	35.8	30.7	25.6	23.6	21.6	19.6	17.5	15.4
-87.5°	17.3	16.5	15.6	14.7	13.8	12.8	11.8	10.8	9.8	8.8	7.7
-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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Scaled Data Report



REPORT NUMBER: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-735-U-LAM-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°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
85°	13.2	11.1	8.9	6.7	4.5	2.2	0.0
82.5°	19.8	16.6	13.3	10.0	6.7	3.3	0.0
80°	27.7	22.1	17.7	13.3	8.9	4.4	0.0
77.5°	45.5	30.8	22.1	16.6	11.1	5.5	0.0
75°	63.0	45.5	27.7	19.8	13.2	6.6	0.0
72.5°	80.4	60.0	39.4	23.0	15.4	7.7	0.0
70°	98.6	74.3	50.9	27.2	17.5	8.8	0.0
67.5°	123.2	88.5	62.2	35.7	19.6	9.8	0.0
65°	147.4	105.5	73.3	44.1	21.6	10.8	0.0
62.5°	171.1	125.3	84.2	52.3	23.6	11.8	0.0
60°	194.3	144.6	94.9	60.3	25.6	12.8	0.0
57.5°	219.0	163.5	109.8	68.1	30.7	13.8	0.0
55°	243.3	181.9	124.5	75.7	35.8	14.7	0.0
52.5°	266.9	200.1	138.8	83.0	40.7	15.6	0.0
50°	289.8	219.1	152.6	90.2	45.5	16.5	0.0
47.5°	311.7	237.5	165.9	97.8	50.0	17.3	0.0
45°	332.0	255.2	178.8	107.4	54.4	18.1	0.0
42.5°	351.4	272.1	191.0	116.6	58.7	18.9	0.0
40°	370.0	288.3	203.4	125.4	62.7	19.6	0.0
37.5°	387.6	303.7	215.6	133.7	66.5	20.3	0.0
35°	404.3	317.8	227.2	141.6	70.1	21.0	0.0
32.5°	420.6	330.8	238.1	149.0	73.5	21.6	0.0
30°	437.3	343.0	248.3	155.9	76.7	22.2	0.0
27.5°	452.8	354.3	257.7	162.3	79.6	22.7	0.0
25°	467.0	364.7	266.4	168.2	82.3	23.2	0.0
22.5°	480.0	374.2	274.3	173.6	84.7	23.7	0.0
20°	491.7	382.8	281.5	178.4	87.0	24.1	0.0
17.5°	502.1	390.3	287.8	182.7	88.9	24.4	0.0
15°	511.1	396.9	293.3	186.5	90.6	24.7	0.0
12.5°	518.8	402.6	298.0	189.6	92.1	25.0	0.0
10°	525.1	407.2	301.8	192.2	93.3	25.2	0.0
7.5°	530.0	410.8	304.8	194.3	94.2	25.4	0.0
5°	533.6	413.3	307.0	195.7	94.9	25.5	0.0
2.5°	535.7	414.9	308.3	196.6	95.3	25.6	0.0
0°	536.4	415.4	308.7	196.9	95.4	25.6	0.0
-2.5°	535.7	414.9	308.3	196.6	95.3	25.6	0.0
-5°	533.6	413.3	307.0	195.7	94.9	25.5	0.0
-7.5°	530.0	410.8	304.8	194.3	94.2	25.4	0.0
-10°	525.1	407.2	301.8	192.2	93.3	25.2	0.0
-12.5°	518.8	402.6	298.0	189.6	92.1	25.0	0.0
-15°	511.1	396.9	293.3	186.5	90.6	24.7	0.0
-17.5°	502.1	390.3	287.8	182.7	88.9	24.4	0.0
-20°	491.7	382.8	281.5	178.4	87.0	24.1	0.0

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REPORT NUMBER: P645386 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2D-735-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	480.0	374.2	274.3	173.6	84.7	23.7	0.0
-25°	467.0	364.7	266.4	168.2	82.3	23.2	0.0
-27.5°	452.8	354.3	257.7	162.3	79.6	22.7	0.0
-30°	437.3	343.0	248.3	155.9	76.7	22.2	0.0
-32.5°	420.6	330.8	238.1	149.0	73.5	21.6	0.0
-35°	404.3	317.8	227.2	141.6	70.1	21.0	0.0
-37.5°	387.6	303.7	215.6	133.7	66.5	20.3	0.0
-40°	370.0	288.3	203.4	125.4	62.7	19.6	0.0
-42.5°	351.4	272.1	191.0	116.6	58.7	18.9	0.0
-45°	332.0	255.2	178.8	107.4	54.4	18.1	0.0
-47.5°	311.7	237.5	165.9	97.8	50.0	17.3	0.0
-50°	289.8	219.1	152.6	90.2	45.5	16.5	0.0
-52.5°	266.9	200.1	138.8	83.0	40.7	15.6	0.0
-55°	243.3	181.9	124.5	75.7	35.8	14.7	0.0
-57.5°	219.0	163.5	109.8	68.1	30.7	13.8	0.0
-60°	194.3	144.6	94.9	60.3	25.6	12.8	0.0
-62.5°	171.1	125.3	84.2	52.3	23.6	11.8	0.0
-65°	147.4	105.5	73.3	44.1	21.6	10.8	0.0
-67.5°	123.2	88.5	62.2	35.7	19.6	9.8	0.0
-70°	98.6	74.3	50.9	27.2	17.5	8.8	0.0
-72.5°	80.4	60.0	39.4	23.0	15.4	7.7	0.0
-75°	63.0	45.5	27.7	19.8	13.2	6.6	0.0
-77.5°	45.5	30.8	22.1	16.6	11.1	5.5	0.0
-80°	27.7	22.1	17.7	13.3	8.9	4.4	0.0
-82.5°	19.8	16.6	13.3	10.0	6.7	3.3	0.0
-85°	13.2	11.1	8.9	6.7	4.5	2.2	0.0
-87.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)