

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: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645478 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-727-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQUARE, LAMBERTIAN
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

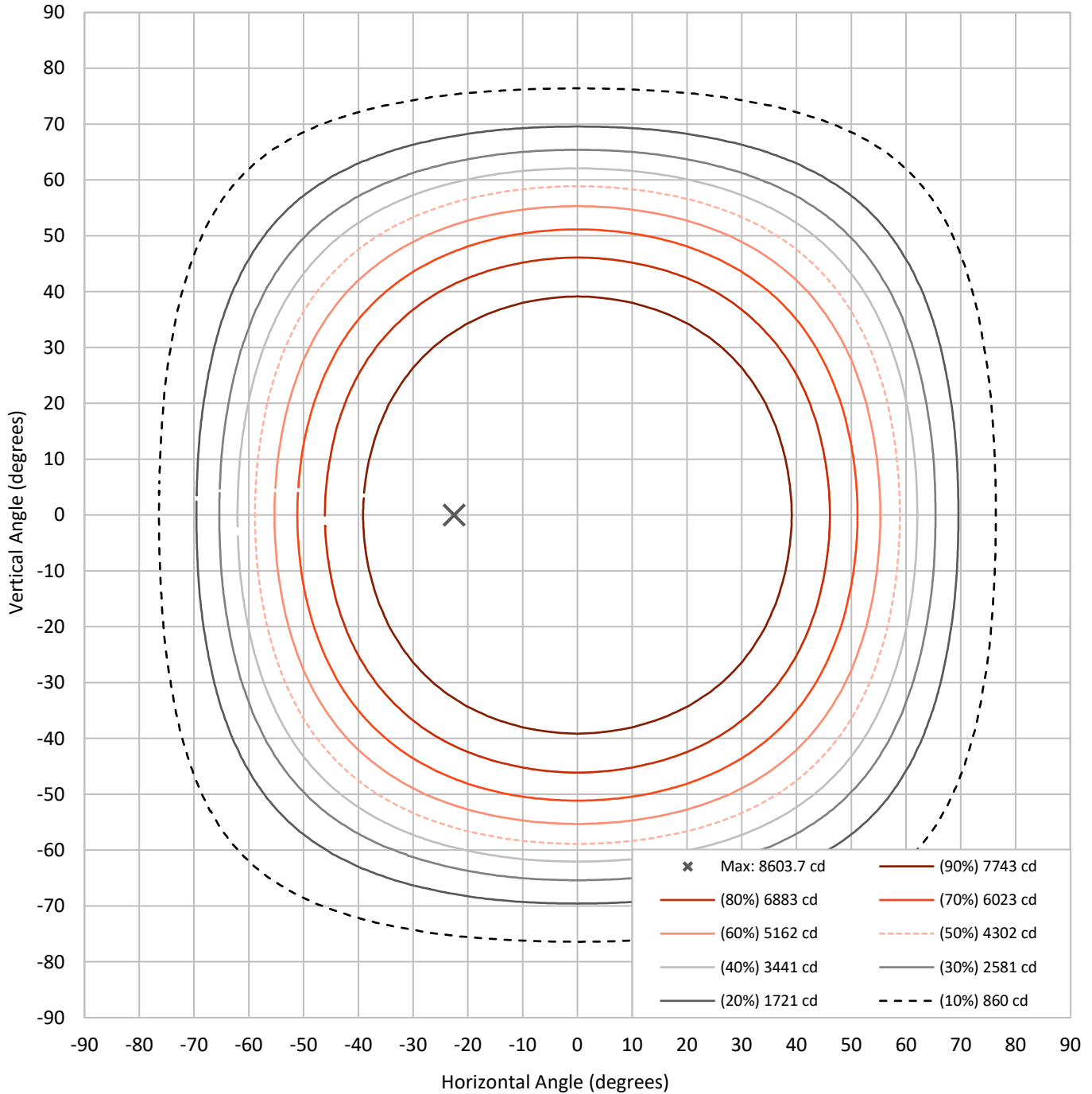
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	26319.3 lumens	Max Intensity:	8603.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	118.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	21903.4 lumens	Field Lumens:	25801.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	221.4		
Input Voltage (V):	120		
Input Current (A _{in}):	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		



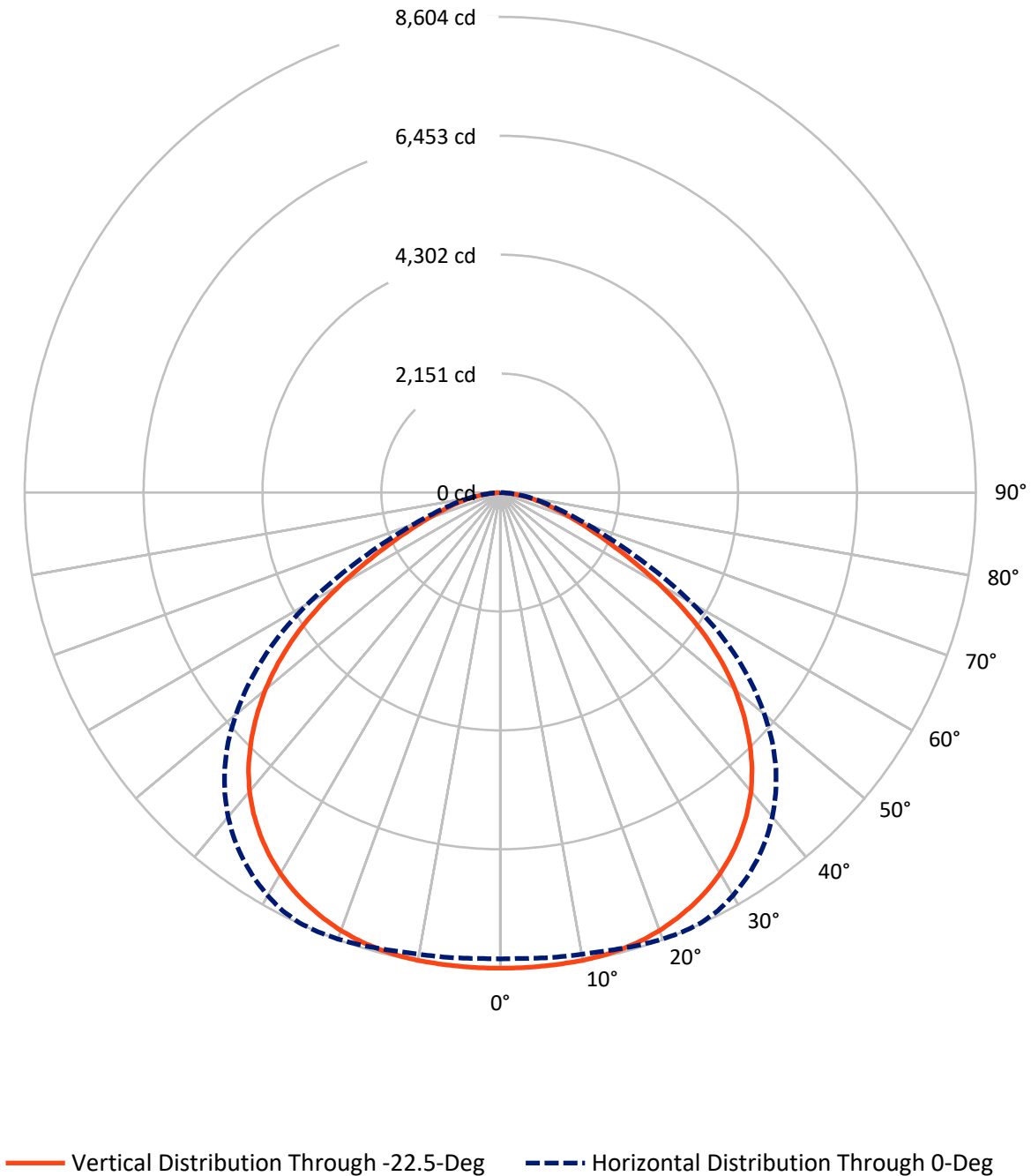
REPORT NUMBER: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-LAM-XX

Iso-Candela Plot



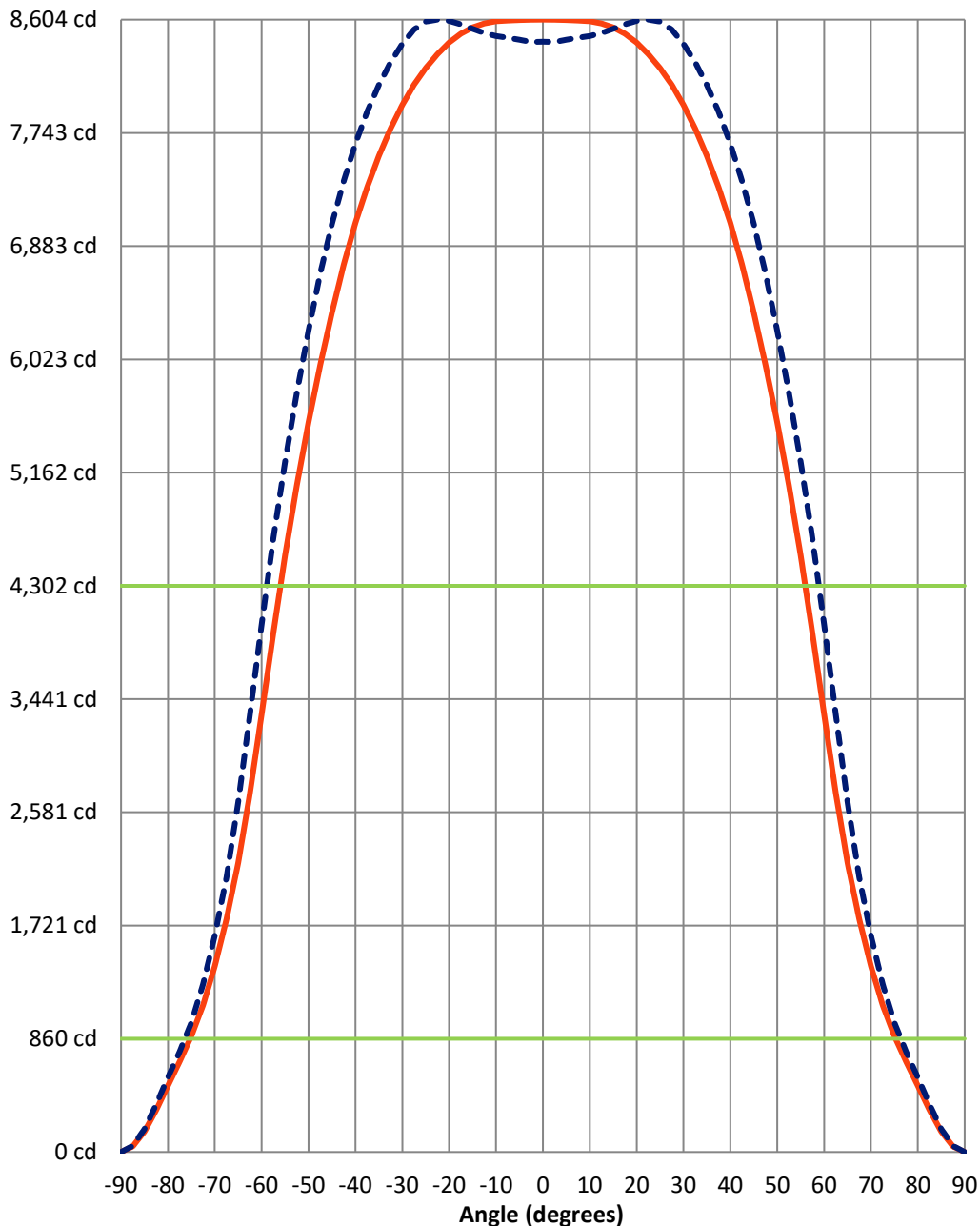
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 21903.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 25801.7
 Efficiency: 98.0%

Spill:
 Lumens: 517.7
 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	2.1	4.1	6.1	8.2	10.2	12.2	14.2	16.1	18.0	19.9
85°	0.0	4.1	8.2	12.3	16.3	20.4	24.4	28.3	32.2	36.0	39.8
82.5°	0.0	6.1	12.3	18.4	24.5	30.5	36.5	42.4	50.1	65.7	81.0
80°	0.0	8.2	16.3	24.5	32.6	40.6	51.0	72.4	93.4	114.2	134.6
77.5°	0.0	10.2	20.4	30.5	40.6	56.6	83.5	110.2	136.5	162.4	193.6
75°	0.0	12.2	24.4	36.5	51.0	83.5	115.8	147.6	181.0	226.1	270.5
72.5°	0.0	14.2	28.3	42.4	72.4	110.2	147.6	189.1	242.4	295.0	346.7
70°	0.0	16.1	32.2	50.1	93.4	136.5	181.0	242.4	303.2	363.2	428.1
67.5°	0.0	18.0	36.0	65.7	114.2	162.4	226.1	295.0	363.2	437.1	509.8
65°	0.0	19.9	39.8	81.0	134.6	193.6	270.5	346.7	428.1	509.8	589.3
62.5°	0.0	21.7	43.5	96.0	154.6	230.0	314.1	401.0	491.7	580.6	664.8
60°	0.0	23.5	47.1	110.7	174.1	265.5	356.7	455.7	554.1	647.5	738.9
57.5°	0.0	25.3	56.5	125.0	201.5	300.2	402.0	509.1	612.9	712.8	818.0
55°	0.0	27.0	65.8	138.9	228.5	334.0	446.6	561.1	669.6	778.5	898.3
52.5°	0.0	28.7	74.8	152.4	254.7	367.4	490.0	609.6	724.7	848.8	976.5
50°	0.0	30.3	83.5	165.5	280.1	402.3	531.9	656.4	780.3	917.1	1073.6
47.5°	0.0	31.8	91.9	179.5	304.6	436.0	572.2	701.5	838.9	983.1	1170.2
45°	0.0	33.3	100.0	197.1	328.2	468.5	609.4	745.0	895.4	1066.3	1263.3
42.5°	0.0	34.7	107.7	214.0	350.7	499.6	645.1	790.0	949.6	1146.6	1373.1
40°	0.0	36.1	115.1	230.2	373.3	529.3	679.1	835.2	1006.7	1223.5	1481.5
37.5°	0.0	37.4	122.1	245.5	395.9	557.5	711.5	878.2	1071.5	1302.1	1584.9
35°	0.0	38.6	128.7	259.9	417.1	583.3	742.2	918.9	1132.9	1389.9	1690.4
32.5°	0.0	39.7	134.9	273.5	437.1	607.3	772.1	957.2	1190.7	1472.6	1801.4
30°	0.0	40.8	140.7	286.2	455.8	629.6	802.7	995.7	1244.8	1550.1	1905.4
27.5°	0.0	41.8	146.1	298.0	473.2	650.4	831.1	1039.4	1300.1	1622.2	2002.2
25°	0.0	42.7	151.1	308.8	489.1	669.5	857.2	1079.7	1358.7	1697.3	2092.7
22.5°	0.0	43.5	155.6	318.7	503.7	686.9	881.1	1116.5	1412.2	1770.2	2198.3
20°	0.0	44.3	159.6	327.6	516.7	702.6	902.5	1149.6	1460.5	1835.8	2293.7
17.5°	0.0	44.9	163.2	335.5	528.3	716.5	921.6	1179.0	1503.4	1894.2	2378.5
15°	0.0	45.5	166.4	342.3	538.5	728.6	938.2	1204.7	1540.8	1945.2	2452.6
12.5°	0.0	46.0	169.0	348.2	547.1	738.9	952.3	1226.5	1572.6	1988.5	2515.6
10°	0.0	46.4	171.2	353.0	554.1	747.4	963.9	1244.4	1598.7	2024.2	2567.4
7.5°	0.0	46.7	172.9	356.7	559.6	754.0	972.9	1258.4	1619.1	2052.0	2607.9
5°	0.0	46.9	174.1	359.4	563.5	758.7	979.4	1268.4	1633.7	2071.9	2636.9
2.5°	0.0	47.1	174.9	361.0	565.9	761.6	983.3	1274.4	1642.5	2083.9	2654.4
0°	0.0	47.1	175.1	361.5	566.7	762.5	984.6	1276.4	1645.4	2087.9	2660.2
-2.5°	0.0	47.1	174.9	361.0	565.9	761.6	983.3	1274.4	1642.5	2083.9	2654.4
-5°	0.0	46.9	174.1	359.4	563.5	758.7	979.4	1268.4	1633.7	2071.9	2636.9
-7.5°	0.0	46.7	172.9	356.7	559.6	754.0	972.9	1258.4	1619.1	2052.0	2607.9
-10°	0.0	46.4	171.2	353.0	554.1	747.4	963.9	1244.4	1598.7	2024.2	2567.4
-12.5°	0.0	46.0	169.0	348.2	547.1	738.9	952.3	1226.5	1572.6	1988.5	2515.6
-15°	0.0	45.5	166.4	342.3	538.5	728.6	938.2	1204.7	1540.8	1945.2	2452.6
-17.5°	0.0	44.9	163.2	335.5	528.3	716.5	921.6	1179.0	1503.4	1894.2	2378.5
-20°	0.0	44.3	159.6	327.6	516.7	702.6	902.5	1149.6	1460.5	1835.8	2293.7

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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	43.5	155.6	318.7	503.7	686.9	881.1	1116.5	1412.2	1770.2	2198.3
-25°	0.0	42.7	151.1	308.8	489.1	669.5	857.2	1079.7	1358.7	1697.3	2092.7
-27.5°	0.0	41.8	146.1	298.0	473.2	650.4	831.1	1039.4	1300.1	1622.2	2002.2
-30°	0.0	40.8	140.7	286.2	455.8	629.6	802.7	995.7	1244.8	1550.1	1905.4
-32.5°	0.0	39.7	134.9	273.5	437.1	607.3	772.1	957.2	1190.7	1472.6	1801.4
-35°	0.0	38.6	128.7	259.9	417.1	583.3	742.2	918.9	1132.9	1389.9	1690.4
-37.5°	0.0	37.4	122.1	245.5	395.9	557.5	711.5	878.2	1071.5	1302.1	1584.9
-40°	0.0	36.1	115.1	230.2	373.3	529.3	679.1	835.2	1006.7	1223.5	1481.5
-42.5°	0.0	34.7	107.7	214.0	350.7	499.6	645.1	790.0	949.6	1146.6	1373.1
-45°	0.0	33.3	100.0	197.1	328.2	468.5	609.4	745.0	895.4	1066.3	1263.3
-47.5°	0.0	31.8	91.9	179.5	304.6	436.0	572.2	701.5	838.9	983.1	1170.2
-50°	0.0	30.3	83.5	165.5	280.1	402.3	531.9	656.4	780.3	917.1	1073.6
-52.5°	0.0	28.7	74.8	152.4	254.7	367.4	490.0	609.6	724.7	848.8	976.5
-55°	0.0	27.0	65.8	138.9	228.5	334.0	446.6	561.1	669.6	778.5	898.3
-57.5°	0.0	25.3	56.5	125.0	201.5	300.2	402.0	509.1	612.9	712.8	818.0
-60°	0.0	23.5	47.1	110.7	174.1	265.5	356.7	455.7	554.1	647.5	738.9
-62.5°	0.0	21.7	43.5	96.0	154.6	230.0	314.1	401.0	491.7	580.6	664.8
-65°	0.0	19.9	39.8	81.0	134.6	193.6	270.5	346.7	428.1	509.8	589.3
-67.5°	0.0	18.0	36.0	65.7	114.2	162.4	226.1	295.0	363.2	437.1	509.8
-70°	0.0	16.1	32.2	50.1	93.4	136.5	181.0	242.4	303.2	363.2	428.1
-72.5°	0.0	14.2	28.3	42.4	72.4	110.2	147.6	189.1	242.4	295.0	346.7
-75°	0.0	12.2	24.4	36.5	51.0	83.5	115.8	147.6	181.0	226.1	270.5
-77.5°	0.0	10.2	20.4	30.5	40.6	56.6	83.5	110.2	136.5	162.4	193.6
-80°	0.0	8.2	16.3	24.5	32.6	40.6	51.0	72.4	93.4	114.2	134.6
-82.5°	0.0	6.1	12.3	18.4	24.5	30.5	36.5	42.4	50.1	65.7	81.0
-85°	0.0	4.1	8.2	12.3	16.3	20.4	24.4	28.3	32.2	36.0	39.8
-87.5°	0.0	2.1	4.1	6.1	8.2	10.2	12.2	14.2	16.1	18.0	19.9
-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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 CATALOG NUMBER: GFLD-SA4D-727-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°	21.7	23.5	25.3	27.0	28.7	30.3	31.8	33.3	34.7	36.1	37.4
85°	43.5	47.1	56.5	65.8	74.8	83.5	91.9	100.0	107.7	115.1	122.1
82.5°	96.0	110.7	125.0	138.9	152.4	165.5	179.5	197.1	214.0	230.2	245.5
80°	154.6	174.1	201.5	228.5	254.7	280.1	304.6	328.2	350.7	373.3	395.9
77.5°	230.0	265.5	300.2	334.0	367.4	402.3	436.0	468.5	499.6	529.3	557.5
75°	314.1	356.7	402.0	446.6	490.0	531.9	572.2	609.4	645.1	679.1	711.5
72.5°	401.0	455.7	509.1	561.1	609.6	656.4	701.5	745.0	790.0	835.2	878.2
70°	491.7	554.1	612.9	669.6	724.7	780.3	838.9	895.4	949.6	1006.7	1071.5
67.5°	580.6	647.5	712.8	778.5	848.8	917.1	983.1	1066.3	1146.6	1223.5	1302.1
65°	664.8	738.9	818.0	898.3	976.5	1073.6	1170.2	1263.3	1373.1	1481.5	1584.9
62.5°	747.7	837.9	928.2	1026.4	1139.3	1249.1	1376.3	1506.2	1631.2	1772.0	1909.0
60°	837.9	938.2	1052.8	1179.0	1309.0	1460.5	1607.4	1770.2	1934.2	2092.7	2287.2
57.5°	928.2	1052.8	1192.3	1342.8	1511.4	1681.6	1872.7	2057.7	2279.5	2501.1	2721.6
55°	1026.4	1179.0	1342.8	1528.4	1722.7	1934.7	2156.4	2414.7	2664.7	2943.2	3210.0
52.5°	1139.3	1309.0	1511.4	1722.7	1955.5	2210.5	2496.5	2792.2	3103.7	3406.2	3702.8
50°	1249.1	1460.5	1681.6	1934.7	2210.5	2523.9	2856.5	3200.9	3540.9	3872.6	4183.2
47.5°	1376.3	1607.4	1872.7	2156.4	2496.5	2856.5	3233.5	3608.8	3975.5	4315.8	4641.7
45°	1506.2	1770.2	2057.7	2414.7	2792.2	3200.9	3608.8	4010.0	4382.6	4734.3	5041.9
42.5°	1631.2	1934.2	2279.5	2664.7	3103.7	3540.9	3975.5	4382.6	4764.4	5103.0	5412.0
40°	1772.0	2092.7	2501.1	2943.2	3406.2	3872.6	4315.8	4734.3	5103.0	5440.2	5753.0
37.5°	1909.0	2287.2	2721.6	3210.0	3702.8	4183.2	4641.7	5041.9	5412.0	5753.0	6053.2
35°	2039.2	2472.1	2955.9	3468.5	3985.9	4474.4	4920.7	5328.0	5695.7	6026.7	6333.6
32.5°	2183.9	2646.9	3177.6	3716.9	4243.8	4741.3	5183.7	5582.1	5947.7	6283.9	6588.6
30°	2333.1	2835.4	3388.0	3950.8	4486.1	4972.7	5414.3	5817.8	6180.5	6512.5	6811.2
27.5°	2472.1	3013.2	3588.7	4162.5	4707.4	5189.7	5625.4	6022.6	6387.4	6721.6	7011.1
25°	2600.5	3177.6	3774.5	4356.3	4893.8	5377.2	5816.7	6213.7	6576.4	6897.2	7178.5
22.5°	2727.2	3328.2	3944.8	4534.1	5065.0	5544.7	5980.3	6378.3	6741.3	7059.0	7329.0
20°	2850.4	3468.5	4095.0	4691.8	5220.3	5696.9	6129.2	6526.5	6879.7	7187.3	7456.1
17.5°	2960.1	3593.5	4226.5	4819.1	5348.0	5826.9	6261.0	6659.5	7004.3	7303.1	7565.9
15°	3055.8	3702.8	4341.4	4930.6	5457.9	5934.9	6369.0	6763.2	7105.6	7402.0	7662.9
12.5°	3137.4	3795.9	4439.5	5025.8	5551.7	6027.3	6461.5	6850.2	7186.8	7479.4	7734.7
10°	3204.6	3872.6	4520.3	5104.2	5629.2	6103.7	6538.0	6922.3	7254.3	7543.8	7794.6
7.5°	3257.0	3932.5	4583.5	5165.7	5689.9	6163.5	6598.0	6978.9	7307.3	7594.5	7841.8
5°	3294.6	3975.5	4628.8	5209.7	5733.4	6206.5	6641.2	7019.6	7345.5	7631.0	7875.9
2.5°	3317.3	4001.4	4656.1	5236.2	5759.6	6232.4	6667.2	7044.2	7368.5	7653.1	7896.5
0°	3324.8	4010.0	4665.2	5245.1	5768.4	6241.0	6675.9	7052.4	7376.2	7660.5	7903.4
-2.5°	3317.3	4001.4	4656.1	5236.2	5759.6	6232.4	6667.2	7044.2	7368.5	7653.1	7896.5
-5°	3294.6	3975.5	4628.8	5209.7	5733.4	6206.5	6641.2	7019.6	7345.5	7631.0	7875.9
-7.5°	3257.0	3932.5	4583.5	5165.7	5689.9	6163.5	6598.0	6978.9	7307.3	7594.5	7841.8
-10°	3204.6	3872.6	4520.3	5104.2	5629.2	6103.7	6538.0	6922.3	7254.3	7543.8	7794.6
-12.5°	3137.4	3795.9	4439.5	5025.8	5551.7	6027.3	6461.5	6850.2	7186.8	7479.4	7734.7
-15°	3055.8	3702.8	4341.4	4930.6	5457.9	5934.9	6369.0	6763.2	7105.6	7402.0	7662.9
-17.5°	2960.1	3593.5	4226.5	4819.1	5348.0	5826.9	6261.0	6659.5	7004.3	7303.1	7565.9
-20°	2850.4	3468.5	4095.0	4691.8	5220.3	5696.9	6129.2	6526.5	6879.7	7187.3	7456.1



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 CATALOG NUMBER: GFLD-SA4D-727-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°	2727.2	3328.2	3944.8	4534.1	5065.0	5544.7	5980.3	6378.3	6741.3	7059.0	7329.0
-25°	2600.5	3177.6	3774.5	4356.3	4893.8	5377.2	5816.7	6213.7	6576.4	6897.2	7178.5
-27.5°	2472.1	3013.2	3588.7	4162.5	4707.4	5189.7	5625.4	6022.6	6387.4	6721.6	7011.1
-30°	2333.1	2835.4	3388.0	3950.8	4486.1	4972.7	5414.3	5817.8	6180.5	6512.5	6811.2
-32.5°	2183.9	2646.9	3177.6	3716.9	4243.8	4741.3	5183.7	5582.1	5947.7	6283.9	6588.6
-35°	2039.2	2472.1	2955.9	3468.5	3985.9	4474.4	4920.7	5328.0	5695.7	6026.7	6333.6
-37.5°	1909.0	2287.2	2721.6	3210.0	3702.8	4183.2	4641.7	5041.9	5412.0	5753.0	6053.2
-40°	1772.0	2092.7	2501.1	2943.2	3406.2	3872.6	4315.8	4734.3	5103.0	5440.2	5753.0
-42.5°	1631.2	1934.2	2279.5	2664.7	3103.7	3540.9	3975.5	4382.6	4764.4	5103.0	5412.0
-45°	1506.2	1770.2	2057.7	2414.7	2792.2	3200.9	3608.8	4010.0	4382.6	4734.3	5041.9
-47.5°	1376.3	1607.4	1872.7	2156.4	2496.5	2856.5	3233.5	3608.8	3975.5	4315.8	4641.7
-50°	1249.1	1460.5	1681.6	1934.7	2210.5	2523.9	2856.5	3200.9	3540.9	3872.6	4183.2
-52.5°	1139.3	1309.0	1511.4	1722.7	1955.5	2210.5	2496.5	2792.2	3103.7	3406.2	3702.8
-55°	1026.4	1179.0	1342.8	1528.4	1722.7	1934.7	2156.4	2414.7	2664.7	2943.2	3210.0
-57.5°	928.2	1052.8	1192.3	1342.8	1511.4	1681.6	1872.7	2057.7	2279.5	2501.1	2721.6
-60°	837.9	938.2	1052.8	1179.0	1309.0	1460.5	1607.4	1770.2	1934.2	2092.7	2287.2
-62.5°	747.7	837.9	928.2	1026.4	1139.3	1249.1	1376.3	1506.2	1631.2	1772.0	1909.0
-65°	664.8	738.9	818.0	898.3	976.5	1073.6	1170.2	1263.3	1373.1	1481.5	1584.9
-67.5°	580.6	647.5	712.8	778.5	848.8	917.1	983.1	1066.3	1146.6	1223.5	1302.1
-70°	491.7	554.1	612.9	669.6	724.7	780.3	838.9	895.4	949.6	1006.7	1071.5
-72.5°	401.0	455.7	509.1	561.1	609.6	656.4	701.5	745.0	790.0	835.2	878.2
-75°	314.1	356.7	402.0	446.6	490.0	531.9	572.2	609.4	645.1	679.1	711.5
-77.5°	230.0	265.5	300.2	334.0	367.4	402.3	436.0	468.5	499.6	529.3	557.5
-80°	154.6	174.1	201.5	228.5	254.7	280.1	304.6	328.2	350.7	373.3	395.9
-82.5°	96.0	110.7	125.0	138.9	152.4	165.5	179.5	197.1	214.0	230.2	245.5
-85°	43.5	47.1	56.5	65.8	74.8	83.5	91.9	100.0	107.7	115.1	122.1
-87.5°	21.7	23.5	25.3	27.0	28.7	30.3	31.8	33.3	34.7	36.1	37.4
-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: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-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°	38.6	39.7	40.8	41.8	42.7	43.5	44.3	44.9	45.5	46.0	46.4
85°	128.7	134.9	140.7	146.1	151.1	155.6	159.6	163.2	166.4	169.0	171.2
82.5°	259.9	273.5	286.2	298.0	308.8	318.7	327.6	335.5	342.3	348.2	353.0
80°	417.1	437.1	455.8	473.2	489.1	503.7	516.7	528.3	538.5	547.1	554.1
77.5°	583.3	607.3	629.6	650.4	669.5	686.9	702.6	716.5	728.6	738.9	747.4
75°	742.2	772.1	802.7	831.1	857.2	881.1	902.5	921.6	938.2	952.3	963.9
72.5°	918.9	957.2	995.7	1039.4	1079.7	1116.5	1149.6	1179.0	1204.7	1226.5	1244.4
70°	1132.9	1190.7	1244.8	1300.1	1358.7	1412.2	1460.5	1503.4	1540.8	1572.6	1598.7
67.5°	1389.9	1472.6	1550.1	1622.2	1697.3	1770.2	1835.8	1894.2	1945.2	1988.5	2024.2
65°	1690.4	1801.4	1905.4	2002.2	2092.7	2198.3	2293.7	2378.5	2452.6	2515.6	2567.4
62.5°	2039.2	2183.9	2333.1	2472.1	2600.5	2727.2	2850.4	2960.1	3055.8	3137.4	3204.6
60°	2472.1	2646.9	2835.4	3013.2	3177.6	3328.2	3468.5	3593.5	3702.8	3795.9	3872.6
57.5°	2955.9	3177.6	3388.0	3588.7	3774.5	3944.8	4095.0	4226.5	4341.4	4439.5	4520.3
55°	3468.5	3716.9	3950.8	4162.5	4356.3	4534.1	4691.8	4819.1	4930.6	5025.8	5104.2
52.5°	3985.9	4243.8	4486.1	4707.4	4893.8	5065.0	5220.3	5348.0	5457.9	5551.7	5629.2
50°	4474.4	4741.3	4972.7	5189.7	5377.2	5544.7	5696.9	5826.9	5934.9	6027.3	6103.7
47.5°	4920.7	5183.7	5414.3	5625.4	5816.7	5980.3	6129.2	6261.0	6369.0	6461.5	6538.0
45°	5328.0	5582.1	5817.8	6022.6	6213.7	6378.3	6526.5	6659.5	6763.2	6850.2	6922.3
42.5°	5695.7	5947.7	6180.5	6387.4	6576.4	6741.3	6879.7	7004.3	7105.6	7186.8	7254.3
40°	6026.7	6283.9	6512.5	6721.6	6897.2	7059.0	7187.3	7303.1	7402.0	7479.4	7543.8
37.5°	6333.6	6588.6	6811.2	7011.1	7178.5	7329.0	7456.1	7565.9	7662.9	7734.7	7794.6
35°	6614.2	6856.4	7076.6	7259.9	7425.8	7567.6	7692.7	7794.0	7884.1	7952.6	8007.1
32.5°	6856.4	7096.6	7301.1	7481.5	7643.6	7775.8	7895.9	7988.6	8070.4	8136.3	8186.9
30°	7076.6	7301.1	7500.2	7679.0	7826.7	7955.4	8063.5	8154.1	8229.6	8292.5	8337.0
27.5°	7259.9	7481.5	7679.0	7843.8	7985.1	8109.0	8208.0	8295.2	8361.1	8418.9	8457.3
25°	7425.8	7643.6	7826.7	7985.1	8122.3	8235.4	8329.6	8408.6	8467.0	8516.6	8545.1
22.5°	7567.6	7775.8	7955.4	8109.0	8235.4	8341.2	8429.9	8496.9	8544.7	8574.7	8591.6
20°	7692.7	7895.9	8063.5	8208.0	8329.6	8429.9	8507.0	8556.5	8589.8	8598.0	8602.8
17.5°	7794.0	7988.6	8154.1	8295.2	8408.6	8496.9	8556.5	8591.4	8601.3	8599.5	8594.6
15°	7884.1	8070.4	8229.6	8361.1	8467.0	8544.7	8589.8	8601.3	8598.4	8588.3	8572.8
12.5°	7952.6	8136.3	8292.5	8418.9	8516.6	8574.7	8598.0	8599.5	8588.3	8569.0	8547.1
10°	8007.1	8186.9	8337.0	8457.3	8545.1	8591.6	8602.8	8594.6	8572.8	8547.1	8522.6
7.5°	8050.3	8227.1	8372.5	8487.9	8563.8	8596.8	8599.2	8583.7	8557.5	8528.3	8501.8
5°	8081.5	8256.3	8398.3	8510.2	8577.5	8600.6	8596.5	8575.1	8544.8	8514.2	8490.0
2.5°	8100.4	8274.0	8413.9	8523.8	8585.9	8602.9	8594.9	8569.7	8536.8	8505.1	8482.2
0°	8106.7	8279.9	8419.2	8528.4	8588.7	8603.7	8594.3	8567.9	8534.1	8502.0	8479.5
-2.5°	8100.4	8274.0	8413.9	8523.8	8585.9	8602.9	8594.9	8569.7	8536.8	8505.1	8482.2
-5°	8081.5	8256.3	8398.3	8510.2	8577.5	8600.6	8596.5	8575.1	8544.8	8514.2	8490.0
-7.5°	8050.3	8227.1	8372.5	8487.9	8563.8	8596.8	8599.2	8583.7	8557.5	8528.3	8501.8
-10°	8007.1	8186.9	8337.0	8457.3	8545.1	8591.6	8602.8	8594.6	8572.8	8547.1	8522.6
-12.5°	7952.6	8136.3	8292.5	8418.9	8516.6	8574.7	8598.0	8599.5	8588.3	8569.0	8547.1
-15°	7884.1	8070.4	8229.6	8361.1	8467.0	8544.7	8589.8	8601.3	8598.4	8588.3	8572.8
-17.5°	7794.0	7988.6	8154.1	8295.2	8408.6	8496.9	8556.5	8591.4	8601.3	8599.5	8594.6
-20°	7692.7	7895.9	8063.5	8208.0	8329.6	8429.9	8507.0	8556.5	8589.8	8598.0	8602.8



REPORT NUMBER: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7567.6	7775.8	7955.4	8109.0	8235.4	8341.2	8429.9	8496.9	8544.7	8574.7	8591.6
-25°	7425.8	7643.6	7826.7	7985.1	8122.3	8235.4	8329.6	8408.6	8467.0	8516.6	8545.1
-27.5°	7259.9	7481.5	7679.0	7843.8	7985.1	8109.0	8208.0	8295.2	8361.1	8418.9	8457.3
-30°	7076.6	7301.1	7500.2	7679.0	7826.7	7955.4	8063.5	8154.1	8229.6	8292.5	8337.0
-32.5°	6856.4	7096.6	7301.1	7481.5	7643.6	7775.8	7895.9	7988.6	8070.4	8136.3	8186.9
-35°	6614.2	6856.4	7076.6	7259.9	7425.8	7567.6	7692.7	7794.0	7884.1	7952.6	8007.1
-37.5°	6333.6	6588.6	6811.2	7011.1	7178.5	7329.0	7456.1	7565.9	7662.9	7734.7	7794.6
-40°	6026.7	6283.9	6512.5	6721.6	6897.2	7059.0	7187.3	7303.1	7402.0	7479.4	7543.8
-42.5°	5695.7	5947.7	6180.5	6387.4	6576.4	6741.3	6879.7	7004.3	7105.6	7186.8	7254.3
-45°	5328.0	5582.1	5817.8	6022.6	6213.7	6378.3	6526.5	6659.5	6763.2	6850.2	6922.3
-47.5°	4920.7	5183.7	5414.3	5625.4	5816.7	5980.3	6129.2	6261.0	6369.0	6461.5	6538.0
-50°	4474.4	4741.3	4972.7	5189.7	5377.2	5544.7	5696.9	5826.9	5934.9	6027.3	6103.7
-52.5°	3985.9	4243.8	4486.1	4707.4	4893.8	5065.0	5220.3	5348.0	5457.9	5551.7	5629.2
-55°	3468.5	3716.9	3950.8	4162.5	4356.3	4534.1	4691.8	4819.1	4930.6	5025.8	5104.2
-57.5°	2955.9	3177.6	3388.0	3588.7	3774.5	3944.8	4095.0	4226.5	4341.4	4439.5	4520.3
-60°	2472.1	2646.9	2835.4	3013.2	3177.6	3328.2	3468.5	3593.5	3702.8	3795.9	3872.6
-62.5°	2039.2	2183.9	2333.1	2472.1	2600.5	2727.2	2850.4	2960.1	3055.8	3137.4	3204.6
-65°	1690.4	1801.4	1905.4	2002.2	2092.7	2198.3	2293.7	2378.5	2452.6	2515.6	2567.4
-67.5°	1389.9	1472.6	1550.1	1622.2	1697.3	1770.2	1835.8	1894.2	1945.2	1988.5	2024.2
-70°	1132.9	1190.7	1244.8	1300.1	1358.7	1412.2	1460.5	1503.4	1540.8	1572.6	1598.7
-72.5°	918.9	957.2	995.7	1039.4	1079.7	1116.5	1149.6	1179.0	1204.7	1226.5	1244.4
-75°	742.2	772.1	802.7	831.1	857.2	881.1	902.5	921.6	938.2	952.3	963.9
-77.5°	583.3	607.3	629.6	650.4	669.5	686.9	702.6	716.5	728.6	738.9	747.4
-80°	417.1	437.1	455.8	473.2	489.1	503.7	516.7	528.3	538.5	547.1	554.1
-82.5°	259.9	273.5	286.2	298.0	308.8	318.7	327.6	335.5	342.3	348.2	353.0
-85°	128.7	134.9	140.7	146.1	151.1	155.6	159.6	163.2	166.4	169.0	171.2
-87.5°	38.6	39.7	40.8	41.8	42.7	43.5	44.3	44.9	45.5	46.0	46.4
-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: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-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°	46.7	46.9	47.1	47.1	47.1	46.9	46.7	46.4	46.0	45.5	44.9
85°	172.9	174.1	174.9	175.1	174.9	174.1	172.9	171.2	169.0	166.4	163.2
82.5°	356.7	359.4	361.0	361.5	361.0	359.4	356.7	353.0	348.2	342.3	335.5
80°	559.6	563.5	565.9	566.7	565.9	563.5	559.6	554.1	547.1	538.5	528.3
77.5°	754.0	758.7	761.6	762.5	761.6	758.7	754.0	747.4	738.9	728.6	716.5
75°	972.9	979.4	983.3	984.6	983.3	979.4	972.9	963.9	952.3	938.2	921.6
72.5°	1258.4	1268.4	1274.4	1276.4	1274.4	1268.4	1258.4	1244.4	1226.5	1204.7	1179.0
70°	1619.1	1633.7	1642.5	1645.4	1642.5	1633.7	1619.1	1598.7	1572.6	1540.8	1503.4
67.5°	2052.0	2071.9	2083.9	2087.9	2083.9	2071.9	2052.0	2024.2	1988.5	1945.2	1894.2
65°	2607.9	2636.9	2654.4	2660.2	2654.4	2636.9	2607.9	2567.4	2515.6	2452.6	2378.5
62.5°	3257.0	3294.6	3317.3	3324.8	3317.3	3294.6	3257.0	3204.6	3137.4	3055.8	2960.1
60°	3932.5	3975.5	4001.4	4010.0	4001.4	3975.5	3932.5	3872.6	3795.9	3702.8	3593.5
57.5°	4583.5	4628.8	4656.1	4665.2	4656.1	4628.8	4583.5	4520.3	4439.5	4341.4	4226.5
55°	5165.7	5209.7	5236.2	5245.1	5236.2	5209.7	5165.7	5104.2	5025.8	4930.6	4819.1
52.5°	5689.9	5733.4	5759.6	5768.4	5759.6	5733.4	5689.9	5629.2	5551.7	5457.9	5348.0
50°	6163.5	6206.5	6232.4	6241.0	6232.4	6206.5	6163.5	6103.7	6027.3	5934.9	5826.9
47.5°	6598.0	6641.2	6667.2	6675.9	6667.2	6641.2	6598.0	6538.0	6461.5	6369.0	6261.0
45°	6978.9	7019.6	7044.2	7052.4	7044.2	7019.6	6978.9	6922.3	6850.2	6763.2	6659.5
42.5°	7307.3	7345.5	7368.5	7376.2	7368.5	7345.5	7307.3	7254.3	7186.8	7105.6	7004.3
40°	7594.5	7631.0	7653.1	7660.5	7653.1	7631.0	7594.5	7543.8	7479.4	7402.0	7303.1
37.5°	7841.8	7875.9	7896.5	7903.4	7896.5	7875.9	7841.8	7794.6	7734.7	7662.9	7565.9
35°	8050.3	8081.5	8100.4	8106.7	8100.4	8081.5	8050.3	8007.1	7952.6	7884.1	7794.0
32.5°	8227.1	8256.3	8274.0	8279.9	8274.0	8256.3	8227.1	8186.9	8136.3	8070.4	7988.6
30°	8372.5	8398.3	8413.9	8419.2	8413.9	8398.3	8372.5	8337.0	8292.5	8229.6	8154.1
27.5°	8487.9	8510.2	8523.8	8528.4	8523.8	8510.2	8487.9	8457.3	8418.9	8361.1	8295.2
25°	8563.8	8577.5	8585.9	8588.7	8585.9	8577.5	8563.8	8545.1	8516.6	8467.0	8408.6
22.5°	8596.8	8600.6	8602.9	8603.7	8602.9	8600.6	8596.8	8591.6	8574.7	8544.7	8496.9
20°	8599.2	8596.5	8594.9	8594.3	8594.9	8596.5	8599.2	8602.8	8598.0	8589.8	8556.5
17.5°	8583.7	8575.1	8569.7	8567.9	8569.7	8575.1	8583.7	8594.6	8599.5	8601.3	8591.4
15°	8557.5	8544.8	8536.8	8534.1	8536.8	8544.8	8557.5	8572.8	8588.3	8598.4	8601.3
12.5°	8528.3	8514.2	8505.1	8502.0	8505.1	8514.2	8528.3	8547.1	8569.0	8588.3	8599.5
10°	8501.8	8490.0	8482.2	8479.5	8482.2	8490.0	8501.8	8522.6	8547.1	8572.8	8594.6
7.5°	8484.8	8474.3	8468.4	8466.3	8468.4	8474.3	8484.8	8501.8	8528.3	8557.5	8583.7
5°	8474.3	8463.7	8454.8	8451.2	8454.8	8463.7	8474.3	8490.0	8514.2	8544.8	8575.1
2.5°	8468.4	8454.8	8441.3	8434.3	8441.3	8454.8	8468.4	8482.2	8505.1	8536.8	8569.7
0°	8466.3	8451.2	8434.3	8436.2	8434.3	8451.2	8466.3	8479.5	8502.0	8534.1	8567.9
-2.5°	8468.4	8454.8	8441.3	8434.3	8441.3	8454.8	8468.4	8482.2	8505.1	8536.8	8569.7
-5°	8474.3	8463.7	8454.8	8451.2	8454.8	8463.7	8474.3	8490.0	8514.2	8544.8	8575.1
-7.5°	8484.8	8474.3	8468.4	8466.3	8468.4	8474.3	8484.8	8501.8	8528.3	8557.5	8583.7
-10°	8501.8	8490.0	8482.2	8479.5	8482.2	8490.0	8501.8	8522.6	8547.1	8572.8	8594.6
-12.5°	8528.3	8514.2	8505.1	8502.0	8505.1	8514.2	8528.3	8547.1	8569.0	8588.3	8599.5
-15°	8557.5	8544.8	8536.8	8534.1	8536.8	8544.8	8557.5	8572.8	8588.3	8598.4	8601.3
-17.5°	8583.7	8575.1	8569.7	8567.9	8569.7	8575.1	8583.7	8594.6	8599.5	8601.3	8591.4
-20°	8599.2	8596.5	8594.9	8594.3	8594.9	8596.5	8599.2	8602.8	8598.0	8589.8	8556.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-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°	8596.8	8600.6	8602.9	8603.7	8602.9	8600.6	8596.8	8591.6	8574.7	8544.7	8496.9
-25°	8563.8	8577.5	8585.9	8588.7	8585.9	8577.5	8563.8	8545.1	8516.6	8467.0	8408.6
-27.5°	8487.9	8510.2	8523.8	8528.4	8523.8	8510.2	8487.9	8457.3	8418.9	8361.1	8295.2
-30°	8372.5	8398.3	8413.9	8419.2	8413.9	8398.3	8372.5	8337.0	8292.5	8229.6	8154.1
-32.5°	8227.1	8256.3	8274.0	8279.9	8274.0	8256.3	8227.1	8186.9	8136.3	8070.4	7988.6
-35°	8050.3	8081.5	8100.4	8106.7	8100.4	8081.5	8050.3	8007.1	7952.6	7884.1	7794.0
-37.5°	7841.8	7875.9	7896.5	7903.4	7896.5	7875.9	7841.8	7794.6	7734.7	7662.9	7565.9
-40°	7594.5	7631.0	7653.1	7660.5	7653.1	7631.0	7594.5	7543.8	7479.4	7402.0	7303.1
-42.5°	7307.3	7345.5	7368.5	7376.2	7368.5	7345.5	7307.3	7254.3	7186.8	7105.6	7004.3
-45°	6978.9	7019.6	7044.2	7052.4	7044.2	7019.6	6978.9	6922.3	6850.2	6763.2	6659.5
-47.5°	6598.0	6641.2	6667.2	6675.9	6667.2	6641.2	6598.0	6538.0	6461.5	6369.0	6261.0
-50°	6163.5	6206.5	6232.4	6241.0	6232.4	6206.5	6163.5	6103.7	6027.3	5934.9	5826.9
-52.5°	5689.9	5733.4	5759.6	5768.4	5759.6	5733.4	5689.9	5629.2	5551.7	5457.9	5348.0
-55°	5165.7	5209.7	5236.2	5245.1	5236.2	5209.7	5165.7	5104.2	5025.8	4930.6	4819.1
-57.5°	4583.5	4628.8	4656.1	4665.2	4656.1	4628.8	4583.5	4520.3	4439.5	4341.4	4226.5
-60°	3932.5	3975.5	4001.4	4010.0	4001.4	3975.5	3932.5	3872.6	3795.9	3702.8	3593.5
-62.5°	3257.0	3294.6	3317.3	3324.8	3317.3	3294.6	3257.0	3204.6	3137.4	3055.8	2960.1
-65°	2607.9	2636.9	2654.4	2660.2	2654.4	2636.9	2607.9	2567.4	2515.6	2452.6	2378.5
-67.5°	2052.0	2071.9	2083.9	2087.9	2083.9	2071.9	2052.0	2024.2	1988.5	1945.2	1894.2
-70°	1619.1	1633.7	1642.5	1645.4	1642.5	1633.7	1619.1	1598.7	1572.6	1540.8	1503.4
-72.5°	1258.4	1268.4	1274.4	1276.4	1274.4	1268.4	1258.4	1244.4	1226.5	1204.7	1179.0
-75°	972.9	979.4	983.3	984.6	983.3	979.4	972.9	963.9	952.3	938.2	921.6
-77.5°	754.0	758.7	761.6	762.5	761.6	758.7	754.0	747.4	738.9	728.6	716.5
-80°	559.6	563.5	565.9	566.7	565.9	563.5	559.6	554.1	547.1	538.5	528.3
-82.5°	356.7	359.4	361.0	361.5	361.0	359.4	356.7	353.0	348.2	342.3	335.5
-85°	172.9	174.1	174.9	175.1	174.9	174.1	172.9	171.2	169.0	166.4	163.2
-87.5°	46.7	46.9	47.1	47.1	47.1	46.9	46.7	46.4	46.0	45.5	44.9
-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: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-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°	44.3	43.5	42.7	41.8	40.8	39.7	38.6	37.4	36.1	34.7	33.3
85°	159.6	155.6	151.1	146.1	140.7	134.9	128.7	122.1	115.1	107.7	100.0
82.5°	327.6	318.7	308.8	298.0	286.2	273.5	259.9	245.5	230.2	214.0	197.1
80°	516.7	503.7	489.1	473.2	455.8	437.1	417.1	395.9	373.3	350.7	328.2
77.5°	702.6	686.9	669.5	650.4	629.6	607.3	583.3	557.5	529.3	499.6	468.5
75°	902.5	881.1	857.2	831.1	802.7	772.1	742.2	711.5	679.1	645.1	609.4
72.5°	1149.6	1116.5	1079.7	1039.4	995.7	957.2	918.9	878.2	835.2	790.0	745.0
70°	1460.5	1412.2	1358.7	1300.1	1244.8	1190.7	1132.9	1071.5	1006.7	949.6	895.4
67.5°	1835.8	1770.2	1697.3	1622.2	1550.1	1472.6	1389.9	1302.1	1223.5	1146.6	1066.3
65°	2293.7	2198.3	2092.7	2002.2	1905.4	1801.4	1690.4	1584.9	1481.5	1373.1	1263.3
62.5°	2850.4	2727.2	2600.5	2472.1	2333.1	2183.9	2039.2	1909.0	1772.0	1631.2	1506.2
60°	3468.5	3328.2	3177.6	3013.2	2835.4	2646.9	2472.1	2287.2	2092.7	1934.2	1770.2
57.5°	4095.0	3944.8	3774.5	3588.7	3388.0	3177.6	2955.9	2721.6	2501.1	2279.5	2057.7
55°	4691.8	4534.1	4356.3	4162.5	3950.8	3716.9	3468.5	3210.0	2943.2	2664.7	2414.7
52.5°	5220.3	5065.0	4893.8	4707.4	4486.1	4243.8	3985.9	3702.8	3406.2	3103.7	2792.2
50°	5696.9	5544.7	5377.2	5189.7	4972.7	4741.3	4474.4	4183.2	3872.6	3540.9	3200.9
47.5°	6129.2	5980.3	5816.7	5625.4	5414.3	5183.7	4920.7	4641.7	4315.8	3975.5	3608.8
45°	6526.5	6378.3	6213.7	6022.6	5817.8	5582.1	5328.0	5041.9	4734.3	4382.6	4010.0
42.5°	6879.7	6741.3	6576.4	6387.4	6180.5	5947.7	5695.7	5412.0	5103.0	4764.4	4382.6
40°	7187.3	7059.0	6897.2	6721.6	6512.5	6283.9	6026.7	5753.0	5440.2	5103.0	4734.3
37.5°	7456.1	7329.0	7178.5	7011.1	6811.2	6588.6	6333.6	6053.2	5753.0	5412.0	5041.9
35°	7692.7	7567.6	7425.8	7259.9	7076.6	6856.4	6614.2	6333.6	6026.7	5695.7	5328.0
32.5°	7895.9	7775.8	7643.6	7481.5	7301.1	7096.6	6856.4	6588.6	6283.9	5947.7	5582.1
30°	8063.5	7955.4	7826.7	7679.0	7500.2	7301.1	7076.6	6811.2	6512.5	6180.5	5817.8
27.5°	8208.0	8109.0	7985.1	7843.8	7679.0	7481.5	7259.9	7011.1	6721.6	6387.4	6022.6
25°	8329.6	8235.4	8122.3	7985.1	7826.7	7643.6	7425.8	7178.5	6897.2	6576.4	6213.7
22.5°	8429.9	8341.2	8235.4	8109.0	7955.4	7775.8	7567.6	7329.0	7059.0	6741.3	6378.3
20°	8507.0	8429.9	8329.6	8208.0	8063.5	7895.9	7692.7	7456.1	7187.3	6879.7	6526.5
17.5°	8556.5	8496.9	8408.6	8295.2	8154.1	7988.6	7794.0	7565.9	7303.1	7004.3	6659.5
15°	8589.8	8544.7	8467.0	8361.1	8229.6	8070.4	7884.1	7662.9	7402.0	7105.6	6763.2
12.5°	8598.0	8574.7	8516.6	8418.9	8292.5	8136.3	7952.6	7734.7	7479.4	7186.8	6850.2
10°	8602.8	8591.6	8545.1	8457.3	8337.0	8186.9	8007.1	7794.6	7543.8	7254.3	6922.3
7.5°	8599.2	8596.8	8563.8	8487.9	8372.5	8227.1	8050.3	7841.8	7594.5	7307.3	6978.9
5°	8596.5	8600.6	8577.5	8510.2	8398.3	8256.3	8081.5	7875.9	7631.0	7345.5	7019.6
2.5°	8594.9	8602.9	8585.9	8523.8	8413.9	8274.0	8100.4	7896.5	7653.1	7368.5	7044.2
0°	8594.3	8603.7	8588.7	8528.4	8419.2	8279.9	8106.7	7903.4	7660.5	7376.2	7052.4
-2.5°	8594.9	8602.9	8585.9	8523.8	8413.9	8274.0	8100.4	7896.5	7653.1	7368.5	7044.2
-5°	8596.5	8600.6	8577.5	8510.2	8398.3	8256.3	8081.5	7875.9	7631.0	7345.5	7019.6
-7.5°	8599.2	8596.8	8563.8	8487.9	8372.5	8227.1	8050.3	7841.8	7594.5	7307.3	6978.9
-10°	8602.8	8591.6	8545.1	8457.3	8337.0	8186.9	8007.1	7794.6	7543.8	7254.3	6922.3
-12.5°	8598.0	8574.7	8516.6	8418.9	8292.5	8136.3	7952.6	7734.7	7479.4	7186.8	6850.2
-15°	8589.8	8544.7	8467.0	8361.1	8229.6	8070.4	7884.1	7662.9	7402.0	7105.6	6763.2
-17.5°	8556.5	8496.9	8408.6	8295.2	8154.1	7988.6	7794.0	7565.9	7303.1	7004.3	6659.5
-20°	8507.0	8429.9	8329.6	8208.0	8063.5	7895.9	7692.7	7456.1	7187.3	6879.7	6526.5



REPORT NUMBER: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8429.9	8341.2	8235.4	8109.0	7955.4	7775.8	7567.6	7329.0	7059.0	6741.3	6378.3
-25°	8329.6	8235.4	8122.3	7985.1	7826.7	7643.6	7425.8	7178.5	6897.2	6576.4	6213.7
-27.5°	8208.0	8109.0	7985.1	7843.8	7679.0	7481.5	7259.9	7011.1	6721.6	6387.4	6022.6
-30°	8063.5	7955.4	7826.7	7679.0	7500.2	7301.1	7076.6	6811.2	6512.5	6180.5	5817.8
-32.5°	7895.9	7775.8	7643.6	7481.5	7301.1	7096.6	6856.4	6588.6	6283.9	5947.7	5582.1
-35°	7692.7	7567.6	7425.8	7259.9	7076.6	6856.4	6614.2	6333.6	6026.7	5695.7	5328.0
-37.5°	7456.1	7329.0	7178.5	7011.1	6811.2	6588.6	6333.6	6053.2	5753.0	5412.0	5041.9
-40°	7187.3	7059.0	6897.2	6721.6	6512.5	6283.9	6026.7	5753.0	5440.2	5103.0	4734.3
-42.5°	6879.7	6741.3	6576.4	6387.4	6180.5	5947.7	5695.7	5412.0	5103.0	4764.4	4382.6
-45°	6526.5	6378.3	6213.7	6022.6	5817.8	5582.1	5328.0	5041.9	4734.3	4382.6	4010.0
-47.5°	6129.2	5980.3	5816.7	5625.4	5414.3	5183.7	4920.7	4641.7	4315.8	3975.5	3608.8
-50°	5696.9	5544.7	5377.2	5189.7	4972.7	4741.3	4474.4	4183.2	3872.6	3540.9	3200.9
-52.5°	5220.3	5065.0	4893.8	4707.4	4486.1	4243.8	3985.9	3702.8	3406.2	3103.7	2792.2
-55°	4691.8	4534.1	4356.3	4162.5	3950.8	3716.9	3468.5	3210.0	2943.2	2664.7	2414.7
-57.5°	4095.0	3944.8	3774.5	3588.7	3388.0	3177.6	2955.9	2721.6	2501.1	2279.5	2057.7
-60°	3468.5	3328.2	3177.6	3013.2	2835.4	2646.9	2472.1	2287.2	2092.7	1934.2	1770.2
-62.5°	2850.4	2727.2	2600.5	2472.1	2333.1	2183.9	2039.2	1909.0	1772.0	1631.2	1506.2
-65°	2293.7	2198.3	2092.7	2002.2	1905.4	1801.4	1690.4	1584.9	1481.5	1373.1	1263.3
-67.5°	1835.8	1770.2	1697.3	1622.2	1550.1	1472.6	1389.9	1302.1	1223.5	1146.6	1066.3
-70°	1460.5	1412.2	1358.7	1300.1	1244.8	1190.7	1132.9	1071.5	1006.7	949.6	895.4
-72.5°	1149.6	1116.5	1079.7	1039.4	995.7	957.2	918.9	878.2	835.2	790.0	745.0
-75°	902.5	881.1	857.2	831.1	802.7	772.1	742.2	711.5	679.1	645.1	609.4
-77.5°	702.6	686.9	669.5	650.4	629.6	607.3	583.3	557.5	529.3	499.6	468.5
-80°	516.7	503.7	489.1	473.2	455.8	437.1	417.1	395.9	373.3	350.7	328.2
-82.5°	327.6	318.7	308.8	298.0	286.2	273.5	259.9	245.5	230.2	214.0	197.1
-85°	159.6	155.6	151.1	146.1	140.7	134.9	128.7	122.1	115.1	107.7	100.0
-87.5°	44.3	43.5	42.7	41.8	40.8	39.7	38.6	37.4	36.1	34.7	33.3
-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: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-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°	31.8	30.3	28.7	27.0	25.3	23.5	21.7	19.9	18.0	16.1	14.2
85°	91.9	83.5	74.8	65.8	56.5	47.1	43.5	39.8	36.0	32.2	28.3
82.5°	179.5	165.5	152.4	138.9	125.0	110.7	96.0	81.0	65.7	50.1	42.4
80°	304.6	280.1	254.7	228.5	201.5	174.1	154.6	134.6	114.2	93.4	72.4
77.5°	436.0	402.3	367.4	334.0	300.2	265.5	230.0	193.6	162.4	136.5	110.2
75°	572.2	531.9	490.0	446.6	402.0	356.7	314.1	270.5	226.1	181.0	147.6
72.5°	701.5	656.4	609.6	561.1	509.1	455.7	401.0	346.7	295.0	242.4	189.1
70°	838.9	780.3	724.7	669.6	612.9	554.1	491.7	428.1	363.2	303.2	242.4
67.5°	983.1	917.1	848.8	778.5	712.8	647.5	580.6	509.8	437.1	363.2	295.0
65°	1170.2	1073.6	976.5	898.3	818.0	738.9	664.8	589.3	509.8	428.1	346.7
62.5°	1376.3	1249.1	1139.3	1026.4	928.2	837.9	747.7	664.8	580.6	491.7	401.0
60°	1607.4	1460.5	1309.0	1179.0	1052.8	938.2	837.9	738.9	647.5	554.1	455.7
57.5°	1872.7	1681.6	1511.4	1342.8	1192.3	1052.8	928.2	818.0	712.8	612.9	509.1
55°	2156.4	1934.7	1722.7	1528.4	1342.8	1179.0	1026.4	898.3	778.5	669.6	561.1
52.5°	2496.5	2210.5	1955.5	1722.7	1511.4	1309.0	1139.3	976.5	848.8	724.7	609.6
50°	2856.5	2523.9	2210.5	1934.7	1681.6	1460.5	1249.1	1073.6	917.1	780.3	656.4
47.5°	3233.5	2856.5	2496.5	2156.4	1872.7	1607.4	1376.3	1170.2	983.1	838.9	701.5
45°	3608.8	3200.9	2792.2	2414.7	2057.7	1770.2	1506.2	1263.3	1066.3	895.4	745.0
42.5°	3975.5	3540.9	3103.7	2664.7	2279.5	1934.2	1631.2	1373.1	1146.6	949.6	790.0
40°	4315.8	3872.6	3406.2	2943.2	2501.1	2092.7	1772.0	1481.5	1223.5	1006.7	835.2
37.5°	4641.7	4183.2	3702.8	3210.0	2721.6	2287.2	1909.0	1584.9	1302.1	1071.5	878.2
35°	4920.7	4474.4	3985.9	3468.5	2955.9	2472.1	2039.2	1690.4	1389.9	1132.9	918.9
32.5°	5183.7	4741.3	4243.8	3716.9	3177.6	2646.9	2183.9	1801.4	1472.6	1190.7	957.2
30°	5414.3	4972.7	4486.1	3950.8	3388.0	2835.4	2333.1	1905.4	1550.1	1244.8	995.7
27.5°	5625.4	5189.7	4707.4	4162.5	3588.7	3013.2	2472.1	2002.2	1622.2	1300.1	1039.4
25°	5816.7	5377.2	4893.8	4356.3	3774.5	3177.6	2600.5	2092.7	1697.3	1358.7	1079.7
22.5°	5980.3	5544.7	5065.0	4534.1	3944.8	3328.2	2727.2	2198.3	1770.2	1412.2	1116.5
20°	6129.2	5696.9	5220.3	4691.8	4095.0	3468.5	2850.4	2293.7	1835.8	1460.5	1149.6
17.5°	6261.0	5826.9	5348.0	4819.1	4226.5	3593.5	2960.1	2378.5	1894.2	1503.4	1179.0
15°	6369.0	5934.9	5457.9	4930.6	4341.4	3702.8	3055.8	2452.6	1945.2	1540.8	1204.7
12.5°	6461.5	6027.3	5551.7	5025.8	4439.5	3795.9	3137.4	2515.6	1988.5	1572.6	1226.5
10°	6538.0	6103.7	5629.2	5104.2	4520.3	3872.6	3204.6	2567.4	2024.2	1598.7	1244.4
7.5°	6598.0	6163.5	5689.9	5165.7	4583.5	3932.5	3257.0	2607.9	2052.0	1619.1	1258.4
5°	6641.2	6206.5	5733.4	5209.7	4628.8	3975.5	3294.6	2636.9	2071.9	1633.7	1268.4
2.5°	6667.2	6232.4	5759.6	5236.2	4656.1	4001.4	3317.3	2654.4	2083.9	1642.5	1274.4
0°	6675.9	6241.0	5768.4	5245.1	4665.2	4010.0	3324.8	2660.2	2087.9	1645.4	1276.4
-2.5°	6667.2	6232.4	5759.6	5236.2	4656.1	4001.4	3317.3	2654.4	2083.9	1642.5	1274.4
-5°	6641.2	6206.5	5733.4	5209.7	4628.8	3975.5	3294.6	2636.9	2071.9	1633.7	1268.4
-7.5°	6598.0	6163.5	5689.9	5165.7	4583.5	3932.5	3257.0	2607.9	2052.0	1619.1	1258.4
-10°	6538.0	6103.7	5629.2	5104.2	4520.3	3872.6	3204.6	2567.4	2024.2	1598.7	1244.4
-12.5°	6461.5	6027.3	5551.7	5025.8	4439.5	3795.9	3137.4	2515.6	1988.5	1572.6	1226.5
-15°	6369.0	5934.9	5457.9	4930.6	4341.4	3702.8	3055.8	2452.6	1945.2	1540.8	1204.7
-17.5°	6261.0	5826.9	5348.0	4819.1	4226.5	3593.5	2960.1	2378.5	1894.2	1503.4	1179.0
-20°	6129.2	5696.9	5220.3	4691.8	4095.0	3468.5	2850.4	2293.7	1835.8	1460.5	1149.6

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	5980.3	5544.7	5065.0	4534.1	3944.8	3328.2	2727.2	2198.3	1770.2	1412.2	1116.5
-25°	5816.7	5377.2	4893.8	4356.3	3774.5	3177.6	2600.5	2092.7	1697.3	1358.7	1079.7
-27.5°	5625.4	5189.7	4707.4	4162.5	3588.7	3013.2	2472.1	2002.2	1622.2	1300.1	1039.4
-30°	5414.3	4972.7	4486.1	3950.8	3388.0	2835.4	2333.1	1905.4	1550.1	1244.8	995.7
-32.5°	5183.7	4741.3	4243.8	3716.9	3177.6	2646.9	2183.9	1801.4	1472.6	1190.7	957.2
-35°	4920.7	4474.4	3985.9	3468.5	2955.9	2472.1	2039.2	1690.4	1389.9	1132.9	918.9
-37.5°	4641.7	4183.2	3702.8	3210.0	2721.6	2287.2	1909.0	1584.9	1302.1	1071.5	878.2
-40°	4315.8	3872.6	3406.2	2943.2	2501.1	2092.7	1772.0	1481.5	1223.5	1006.7	835.2
-42.5°	3975.5	3540.9	3103.7	2664.7	2279.5	1934.2	1631.2	1373.1	1146.6	949.6	790.0
-45°	3608.8	3200.9	2792.2	2414.7	2057.7	1770.2	1506.2	1263.3	1066.3	895.4	745.0
-47.5°	3233.5	2856.5	2496.5	2156.4	1872.7	1607.4	1376.3	1170.2	983.1	838.9	701.5
-50°	2856.5	2523.9	2210.5	1934.7	1681.6	1460.5	1249.1	1073.6	917.1	780.3	656.4
-52.5°	2496.5	2210.5	1955.5	1722.7	1511.4	1309.0	1139.3	976.5	848.8	724.7	609.6
-55°	2156.4	1934.7	1722.7	1528.4	1342.8	1179.0	1026.4	898.3	778.5	669.6	561.1
-57.5°	1872.7	1681.6	1511.4	1342.8	1192.3	1052.8	928.2	818.0	712.8	612.9	509.1
-60°	1607.4	1460.5	1309.0	1179.0	1052.8	938.2	837.9	738.9	647.5	554.1	455.7
-62.5°	1376.3	1249.1	1139.3	1026.4	928.2	837.9	747.7	664.8	580.6	491.7	401.0
-65°	1170.2	1073.6	976.5	898.3	818.0	738.9	664.8	589.3	509.8	428.1	346.7
-67.5°	983.1	917.1	848.8	778.5	712.8	647.5	580.6	509.8	437.1	363.2	295.0
-70°	838.9	780.3	724.7	669.6	612.9	554.1	491.7	428.1	363.2	303.2	242.4
-72.5°	701.5	656.4	609.6	561.1	509.1	455.7	401.0	346.7	295.0	242.4	189.1
-75°	572.2	531.9	490.0	446.6	402.0	356.7	314.1	270.5	226.1	181.0	147.6
-77.5°	436.0	402.3	367.4	334.0	300.2	265.5	230.0	193.6	162.4	136.5	110.2
-80°	304.6	280.1	254.7	228.5	201.5	174.1	154.6	134.6	114.2	93.4	72.4
-82.5°	179.5	165.5	152.4	138.9	125.0	110.7	96.0	81.0	65.7	50.1	42.4
-85°	91.9	83.5	74.8	65.8	56.5	47.1	43.5	39.8	36.0	32.2	28.3
-87.5°	31.8	30.3	28.7	27.0	25.3	23.5	21.7	19.9	18.0	16.1	14.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P645478 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.2	10.2	8.2	6.1	4.1	2.1	0.0
85°	24.4	20.4	16.3	12.3	8.2	4.1	0.0
82.5°	36.5	30.5	24.5	18.4	12.3	6.1	0.0
80°	51.0	40.6	32.6	24.5	16.3	8.2	0.0
77.5°	83.5	56.6	40.6	30.5	20.4	10.2	0.0
75°	115.8	83.5	51.0	36.5	24.4	12.2	0.0
72.5°	147.6	110.2	72.4	42.4	28.3	14.2	0.0
70°	181.0	136.5	93.4	50.1	32.2	16.1	0.0
67.5°	226.1	162.4	114.2	65.7	36.0	18.0	0.0
65°	270.5	193.6	134.6	81.0	39.8	19.9	0.0
62.5°	314.1	230.0	154.6	96.0	43.5	21.7	0.0
60°	356.7	265.5	174.1	110.7	47.1	23.5	0.0
57.5°	402.0	300.2	201.5	125.0	56.5	25.3	0.0
55°	446.6	334.0	228.5	138.9	65.8	27.0	0.0
52.5°	490.0	367.4	254.7	152.4	74.8	28.7	0.0
50°	531.9	402.3	280.1	165.5	83.5	30.3	0.0
47.5°	572.2	436.0	304.6	179.5	91.9	31.8	0.0
45°	609.4	468.5	328.2	197.1	100.0	33.3	0.0
42.5°	645.1	499.6	350.7	214.0	107.7	34.7	0.0
40°	679.1	529.3	373.3	230.2	115.1	36.1	0.0
37.5°	711.5	557.5	395.9	245.5	122.1	37.4	0.0
35°	742.2	583.3	417.1	259.9	128.7	38.6	0.0
32.5°	772.1	607.3	437.1	273.5	134.9	39.7	0.0
30°	802.7	629.6	455.8	286.2	140.7	40.8	0.0
27.5°	831.1	650.4	473.2	298.0	146.1	41.8	0.0
25°	857.2	669.5	489.1	308.8	151.1	42.7	0.0
22.5°	881.1	686.9	503.7	318.7	155.6	43.5	0.0
20°	902.5	702.6	516.7	327.6	159.6	44.3	0.0
17.5°	921.6	716.5	528.3	335.5	163.2	44.9	0.0
15°	938.2	728.6	538.5	342.3	166.4	45.5	0.0
12.5°	952.3	738.9	547.1	348.2	169.0	46.0	0.0
10°	963.9	747.4	554.1	353.0	171.2	46.4	0.0
7.5°	972.9	754.0	559.6	356.7	172.9	46.7	0.0
5°	979.4	758.7	563.5	359.4	174.1	46.9	0.0
2.5°	983.3	761.6	565.9	361.0	174.9	47.1	0.0
0°	984.6	762.5	566.7	361.5	175.1	47.1	0.0
-2.5°	983.3	761.6	565.9	361.0	174.9	47.1	0.0
-5°	979.4	758.7	563.5	359.4	174.1	46.9	0.0
-7.5°	972.9	754.0	559.6	356.7	172.9	46.7	0.0
-10°	963.9	747.4	554.1	353.0	171.2	46.4	0.0
-12.5°	952.3	738.9	547.1	348.2	169.0	46.0	0.0
-15°	938.2	728.6	538.5	342.3	166.4	45.5	0.0
-17.5°	921.6	716.5	528.3	335.5	163.2	44.9	0.0
-20°	902.5	702.6	516.7	327.6	159.6	44.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	881.1	686.9	503.7	318.7	155.6	43.5	0.0
-25°	857.2	669.5	489.1	308.8	151.1	42.7	0.0
-27.5°	831.1	650.4	473.2	298.0	146.1	41.8	0.0
-30°	802.7	629.6	455.8	286.2	140.7	40.8	0.0
-32.5°	772.1	607.3	437.1	273.5	134.9	39.7	0.0
-35°	742.2	583.3	417.1	259.9	128.7	38.6	0.0
-37.5°	711.5	557.5	395.9	245.5	122.1	37.4	0.0
-40°	679.1	529.3	373.3	230.2	115.1	36.1	0.0
-42.5°	645.1	499.6	350.7	214.0	107.7	34.7	0.0
-45°	609.4	468.5	328.2	197.1	100.0	33.3	0.0
-47.5°	572.2	436.0	304.6	179.5	91.9	31.8	0.0
-50°	531.9	402.3	280.1	165.5	83.5	30.3	0.0
-52.5°	490.0	367.4	254.7	152.4	74.8	28.7	0.0
-55°	446.6	334.0	228.5	138.9	65.8	27.0	0.0
-57.5°	402.0	300.2	201.5	125.0	56.5	25.3	0.0
-60°	356.7	265.5	174.1	110.7	47.1	23.5	0.0
-62.5°	314.1	230.0	154.6	96.0	43.5	21.7	0.0
-65°	270.5	193.6	134.6	81.0	39.8	19.9	0.0
-67.5°	226.1	162.4	114.2	65.7	36.0	18.0	0.0
-70°	181.0	136.5	93.4	50.1	32.2	16.1	0.0
-72.5°	147.6	110.2	72.4	42.4	28.3	14.2	0.0
-75°	115.8	83.5	51.0	36.5	24.4	12.2	0.0
-77.5°	83.5	56.6	40.6	30.5	20.4	10.2	0.0
-80°	51.0	40.6	32.6	24.5	16.3	8.2	0.0
-82.5°	36.5	30.5	24.5	18.4	12.3	6.1	0.0
-85°	24.4	20.4	16.3	12.3	8.2	4.1	0.0
-87.5°	12.2	10.2	8.2	6.1	4.1	2.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)