

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: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5C-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645512 (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: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5C-722-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

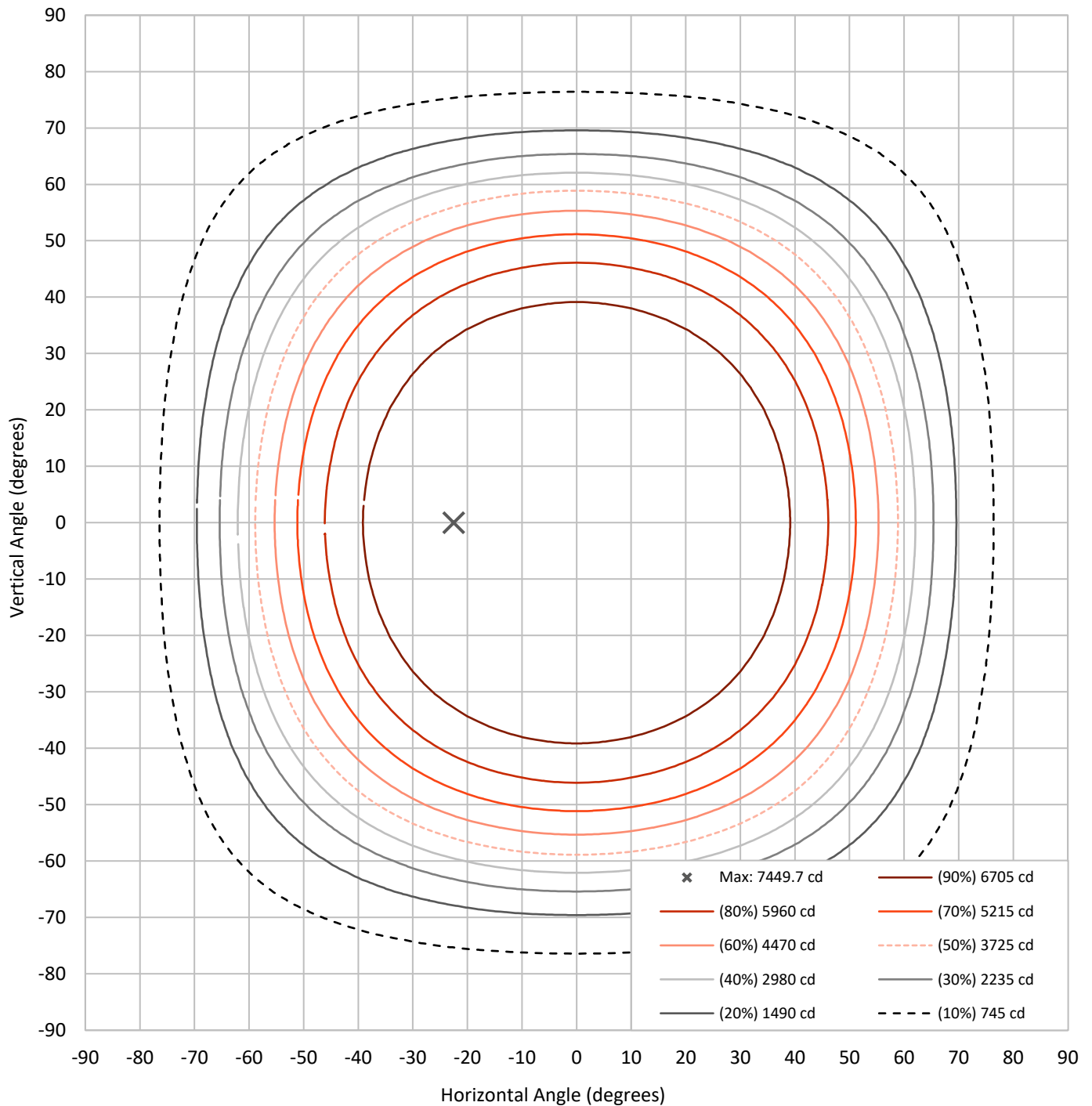
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	22789.2 lumens	Max Intensity:	7449.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	110.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	18965.6 lumens	Field Lumens:	22341 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	206.1		
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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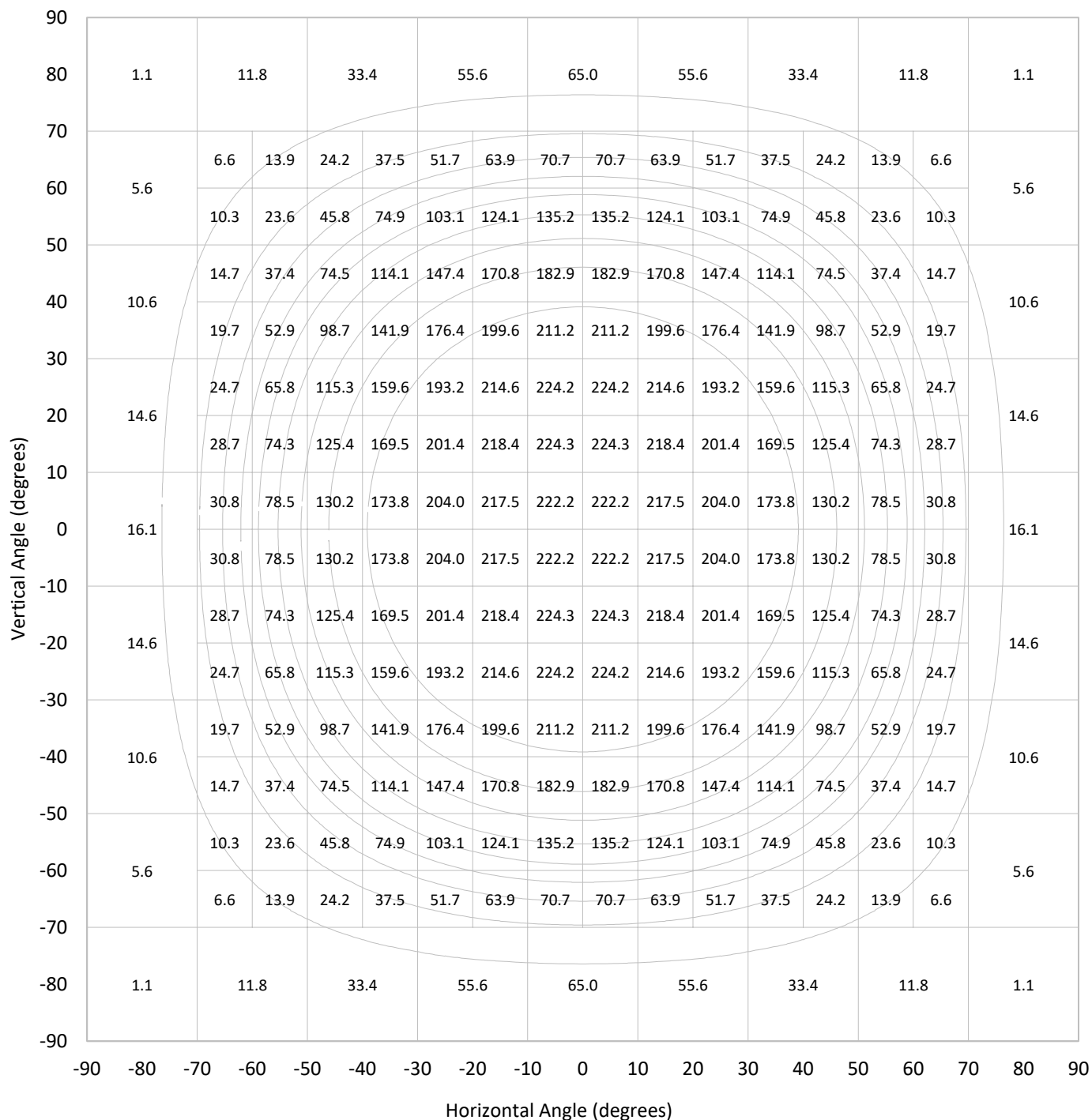
Iso-Candela Plot





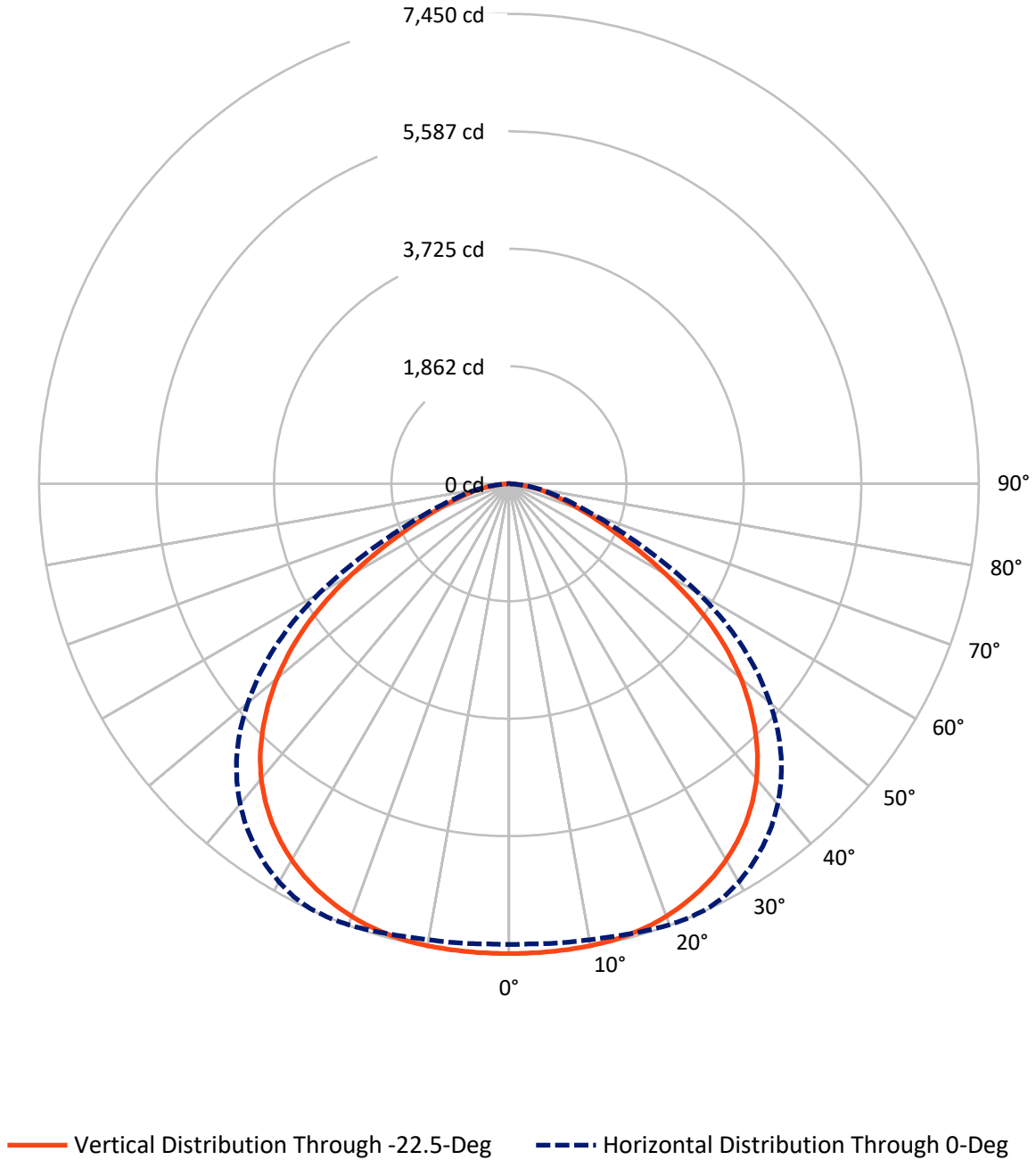
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Lumen Table



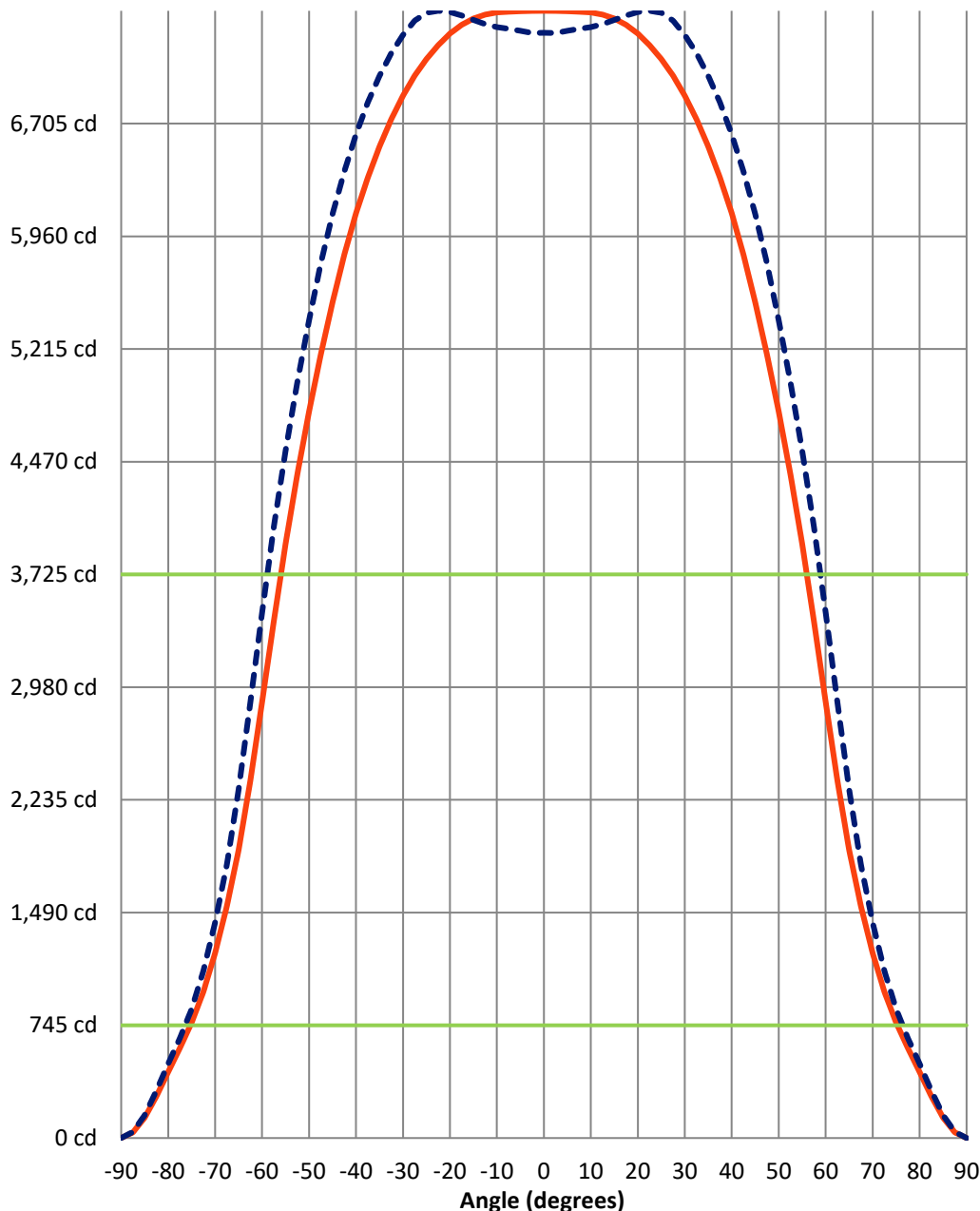
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 18965.6
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 22341
 Efficiency: 98.0%

Spill:
 Lumens: 448.2
 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	1.8	3.6	5.3	7.1	8.8	10.6	12.3	14.0	15.6	17.2
85°	0.0	3.6	7.1	10.6	14.2	17.6	21.1	24.5	27.9	31.2	34.4
82.5°	0.0	5.3	10.6	15.9	21.2	26.4	31.6	36.7	43.4	56.9	70.1
80°	0.0	7.1	14.2	21.2	28.2	35.2	44.2	62.7	80.9	98.9	116.5
77.5°	0.0	8.8	17.6	26.4	35.2	49.0	72.3	95.4	118.2	140.6	167.6
75°	0.0	10.6	21.1	31.6	44.2	72.3	100.2	127.8	156.7	195.8	234.2
72.5°	0.0	12.3	24.5	36.7	62.7	95.4	127.8	163.7	209.9	255.4	300.2
70°	0.0	14.0	27.9	43.4	80.9	118.2	156.7	209.9	262.5	314.5	370.6
67.5°	0.0	15.6	31.2	56.9	98.9	140.6	195.8	255.4	314.5	378.5	441.5
65°	0.0	17.2	34.4	70.1	116.5	167.6	234.2	300.2	370.6	441.5	510.3
62.5°	0.0	18.8	37.6	83.1	133.8	199.1	271.9	347.2	425.8	502.8	575.7
60°	0.0	20.4	40.8	95.8	150.8	229.9	308.8	394.6	479.8	560.6	639.8
57.5°	0.0	21.9	49.0	108.2	174.4	259.9	348.1	440.8	530.7	617.2	708.3
55°	0.0	23.4	57.0	120.3	197.8	289.2	386.7	485.9	579.7	674.0	777.8
52.5°	0.0	24.8	64.8	132.0	220.6	318.1	424.3	527.9	627.5	735.0	845.5
50°	0.0	26.2	72.3	143.3	242.5	348.3	460.6	568.3	675.6	794.1	929.7
47.5°	0.0	27.6	79.6	155.4	263.8	377.6	495.5	607.4	726.4	851.3	1013.2
45°	0.0	28.8	86.6	170.7	284.1	405.7	527.7	645.1	775.3	923.3	1093.9
42.5°	0.0	30.1	93.3	185.3	303.7	432.6	558.5	684.0	822.2	992.9	1188.9
40°	0.0	31.3	99.7	199.3	323.3	458.3	588.0	723.1	871.7	1059.4	1282.8
37.5°	0.0	32.4	105.7	212.5	342.7	482.7	616.1	760.4	927.8	1127.5	1372.3
35°	0.0	33.4	111.4	225.1	361.2	505.1	642.6	795.7	980.9	1203.5	1463.7
32.5°	0.0	34.4	116.8	236.8	378.5	525.8	668.5	828.8	1031.0	1275.1	1559.7
30°	0.0	35.3	121.9	247.8	394.7	545.2	695.0	862.2	1077.9	1342.2	1649.8
27.5°	0.0	36.2	126.5	258.0	409.7	563.2	719.6	900.1	1125.7	1404.6	1733.6
25°	0.0	37.0	130.8	267.4	423.5	579.7	742.3	934.9	1176.5	1469.7	1812.0
22.5°	0.0	37.7	134.7	276.0	436.1	594.8	762.9	966.8	1222.8	1532.7	1903.4
20°	0.0	38.3	138.2	283.6	447.4	608.3	781.5	995.4	1264.6	1589.6	1986.0
17.5°	0.0	38.9	141.3	290.5	457.5	620.4	798.0	1020.9	1301.7	1640.1	2059.5
15°	0.0	39.4	144.0	296.4	466.2	630.9	812.4	1043.1	1334.1	1684.2	2123.6
12.5°	0.0	39.8	146.3	301.5	473.7	639.8	824.6	1062.0	1361.6	1721.8	2178.2
10°	0.0	40.2	148.2	305.6	479.8	647.1	834.7	1077.5	1384.3	1752.6	2223.1
7.5°	0.0	40.5	149.7	308.8	484.6	652.8	842.5	1089.6	1401.9	1776.7	2258.1
5°	0.0	40.6	150.8	311.1	488.0	656.9	848.1	1098.3	1414.6	1794.0	2283.3
2.5°	0.0	40.8	151.4	312.5	490.0	659.4	851.5	1103.5	1422.2	1804.3	2298.4
0°	0.0	40.8	151.6	313.0	490.7	660.2	852.6	1105.2	1424.7	1807.8	2303.4
-2.5°	0.0	40.8	151.4	312.5	490.0	659.4	851.5	1103.5	1422.2	1804.3	2298.4
-5°	0.0	40.6	150.8	311.1	488.0	656.9	848.1	1098.3	1414.6	1794.0	2283.3
-7.5°	0.0	40.5	149.7	308.8	484.6	652.8	842.5	1089.6	1401.9	1776.7	2258.1
-10°	0.0	40.2	148.2	305.6	479.8	647.1	834.7	1077.5	1384.3	1752.6	2223.1
-12.5°	0.0	39.8	146.3	301.5	473.7	639.8	824.6	1062.0	1361.6	1721.8	2178.2
-15°	0.0	39.4	144.0	296.4	466.2	630.9	812.4	1043.1	1334.1	1684.2	2123.6
-17.5°	0.0	38.9	141.3	290.5	457.5	620.4	798.0	1020.9	1301.7	1640.1	2059.5
-20°	0.0	38.3	138.2	283.6	447.4	608.3	781.5	995.4	1264.6	1589.6	1986.0



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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	37.7	134.7	276.0	436.1	594.8	762.9	966.8	1222.8	1532.7	1903.4
-25°	0.0	37.0	130.8	267.4	423.5	579.7	742.3	934.9	1176.5	1469.7	1812.0
-27.5°	0.0	36.2	126.5	258.0	409.7	563.2	719.6	900.1	1125.7	1404.6	1733.6
-30°	0.0	35.3	121.9	247.8	394.7	545.2	695.0	862.2	1077.9	1342.2	1649.8
-32.5°	0.0	34.4	116.8	236.8	378.5	525.8	668.5	828.8	1031.0	1275.1	1559.7
-35°	0.0	33.4	111.4	225.1	361.2	505.1	642.6	795.7	980.9	1203.5	1463.7
-37.5°	0.0	32.4	105.7	212.5	342.7	482.7	616.1	760.4	927.8	1127.5	1372.3
-40°	0.0	31.3	99.7	199.3	323.3	458.3	588.0	723.1	871.7	1059.4	1282.8
-42.5°	0.0	30.1	93.3	185.3	303.7	432.6	558.5	684.0	822.2	992.9	1188.9
-45°	0.0	28.8	86.6	170.7	284.1	405.7	527.7	645.1	775.3	923.3	1093.9
-47.5°	0.0	27.6	79.6	155.4	263.8	377.6	495.5	607.4	726.4	851.3	1013.2
-50°	0.0	26.2	72.3	143.3	242.5	348.3	460.6	568.3	675.6	794.1	929.7
-52.5°	0.0	24.8	64.8	132.0	220.6	318.1	424.3	527.9	627.5	735.0	845.5
-55°	0.0	23.4	57.0	120.3	197.8	289.2	386.7	485.9	579.7	674.0	777.8
-57.5°	0.0	21.9	49.0	108.2	174.4	259.9	348.1	440.8	530.7	617.2	708.3
-60°	0.0	20.4	40.8	95.8	150.8	229.9	308.8	394.6	479.8	560.6	639.8
-62.5°	0.0	18.8	37.6	83.1	133.8	199.1	271.9	347.2	425.8	502.8	575.7
-65°	0.0	17.2	34.4	70.1	116.5	167.6	234.2	300.2	370.6	441.5	510.3
-67.5°	0.0	15.6	31.2	56.9	98.9	140.6	195.8	255.4	314.5	378.5	441.5
-70°	0.0	14.0	27.9	43.4	80.9	118.2	156.7	209.9	262.5	314.5	370.6
-72.5°	0.0	12.3	24.5	36.7	62.7	95.4	127.8	163.7	209.9	255.4	300.2
-75°	0.0	10.6	21.1	31.6	44.2	72.3	100.2	127.8	156.7	195.8	234.2
-77.5°	0.0	8.8	17.6	26.4	35.2	49.0	72.3	95.4	118.2	140.6	167.6
-80°	0.0	7.1	14.2	21.2	28.2	35.2	44.2	62.7	80.9	98.9	116.5
-82.5°	0.0	5.3	10.6	15.9	21.2	26.4	31.6	36.7	43.4	56.9	70.1
-85°	0.0	3.6	7.1	10.6	14.2	17.6	21.1	24.5	27.9	31.2	34.4
-87.5°	0.0	1.8	3.6	5.3	7.1	8.8	10.6	12.3	14.0	15.6	17.2
-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: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	18.8	20.4	21.9	23.4	24.8	26.2	27.6	28.8	30.1	31.3	32.4
85°	37.6	40.8	49.0	57.0	64.8	72.3	79.6	86.6	93.3	99.7	105.7
82.5°	83.1	95.8	108.2	120.3	132.0	143.3	155.4	170.7	185.3	199.3	212.5
80°	133.8	150.8	174.4	197.8	220.6	242.5	263.8	284.1	303.7	323.3	342.7
77.5°	199.1	229.9	259.9	289.2	318.1	348.3	377.6	405.7	432.6	458.3	482.7
75°	271.9	308.8	348.1	386.7	424.3	460.6	495.5	527.7	558.5	588.0	616.1
72.5°	347.2	394.6	440.8	485.9	527.9	568.3	607.4	645.1	684.0	723.1	760.4
70°	425.8	479.8	530.7	579.7	627.5	675.6	726.4	775.3	822.2	871.7	927.8
67.5°	502.8	560.6	617.2	674.0	735.0	794.1	851.3	923.3	992.9	1059.4	1127.5
65°	575.7	639.8	708.3	777.8	845.5	929.7	1013.2	1093.9	1188.9	1282.8	1372.3
62.5°	647.4	725.5	803.7	888.8	986.5	1081.5	1191.7	1304.2	1412.4	1534.3	1652.9
60°	725.5	812.4	911.6	1020.9	1133.4	1264.6	1391.8	1532.7	1674.7	1812.0	1980.4
57.5°	803.7	911.6	1032.4	1162.7	1308.7	1456.0	1621.5	1781.6	1973.7	2165.6	2356.6
55°	888.8	1020.9	1162.7	1323.4	1491.6	1675.2	1867.1	2090.8	2307.3	2548.4	2779.4
52.5°	986.5	1133.4	1308.7	1491.6	1693.2	1914.0	2161.6	2417.7	2687.4	2949.3	3206.1
50°	1081.5	1264.6	1456.0	1675.2	1914.0	2185.3	2473.3	2771.6	3066.0	3353.2	3622.2
47.5°	1191.7	1391.8	1621.5	1867.1	2161.6	2473.3	2799.7	3124.8	3442.3	3737.0	4019.2
45°	1304.2	1532.7	1781.6	2090.8	2417.7	2771.6	3124.8	3472.2	3794.8	4099.3	4365.7
42.5°	1412.4	1674.7	1973.7	2307.3	2687.4	3066.0	3442.3	3794.8	4125.4	4418.6	4686.1
40°	1534.3	1812.0	2165.6	2548.4	2949.3	3353.2	3737.0	4099.3	4418.6	4710.5	4981.4
37.5°	1652.9	1980.4	2356.6	2779.4	3206.1	3622.2	4019.2	4365.7	4686.1	4981.4	5241.3
35°	1765.6	2140.5	2559.4	3003.3	3451.3	3874.3	4260.7	4613.4	4931.8	5218.4	5484.1
32.5°	1890.9	2291.8	2751.3	3218.4	3674.7	4105.4	4488.5	4833.4	5150.0	5441.0	5704.9
30°	2020.1	2455.1	2933.5	3420.9	3884.4	4305.8	4688.1	5037.5	5351.5	5639.0	5897.6
27.5°	2140.5	2609.0	3107.4	3604.2	4076.1	4493.7	4870.8	5214.8	5530.7	5820.1	6070.7
25°	2251.7	2751.3	3268.3	3772.0	4237.4	4656.0	5036.5	5380.3	5694.4	5972.1	6215.7
22.5°	2361.4	2881.7	3415.7	3926.0	4385.6	4801.0	5178.2	5522.8	5837.1	6112.2	6346.0
20°	2468.1	3003.3	3545.8	4062.5	4520.2	4932.8	5307.1	5651.1	5957.0	6223.3	6456.1
17.5°	2563.0	3111.5	3659.6	4172.8	4630.7	5045.4	5421.2	5766.3	6064.8	6323.6	6551.1
15°	2645.9	3206.1	3759.2	4269.3	4725.8	5138.9	5514.7	5856.1	6152.5	6409.2	6635.1
12.5°	2716.6	3286.8	3844.1	4351.7	4807.1	5218.9	5594.8	5931.4	6222.9	6476.2	6697.3
10°	2774.7	3353.2	3914.0	4419.6	4874.2	5285.0	5661.1	5993.8	6281.3	6532.0	6749.1
7.5°	2820.1	3405.1	3968.8	4472.8	4926.7	5336.8	5713.1	6042.9	6327.2	6575.8	6789.9
5°	2852.7	3442.3	4008.0	4511.0	4964.4	5374.0	5750.5	6078.1	6360.3	6607.5	6819.5
2.5°	2872.3	3464.7	4031.6	4533.9	4987.1	5396.4	5773.0	6099.4	6380.2	6626.6	6837.3
0°	2878.8	3472.2	4039.5	4541.6	4994.7	5403.9	5780.5	6106.5	6386.9	6633.0	6843.3
-2.5°	2872.3	3464.7	4031.6	4533.9	4987.1	5396.4	5773.0	6099.4	6380.2	6626.6	6837.3
-5°	2852.7	3442.3	4008.0	4511.0	4964.4	5374.0	5750.5	6078.1	6360.3	6607.5	6819.5
-7.5°	2820.1	3405.1	3968.8	4472.8	4926.7	5336.8	5713.1	6042.9	6327.2	6575.8	6789.9
-10°	2774.7	3353.2	3914.0	4419.6	4874.2	5285.0	5661.1	5993.8	6281.3	6532.0	6749.1
-12.5°	2716.6	3286.8	3844.1	4351.7	4807.1	5218.9	5594.8	5931.4	6222.9	6476.2	6697.3
-15°	2645.9	3206.1	3759.2	4269.3	4725.8	5138.9	5514.7	5856.1	6152.5	6409.2	6635.1
-17.5°	2563.0	3111.5	3659.6	4172.8	4630.7	5045.4	5421.2	5766.3	6064.8	6323.6	6551.1
-20°	2468.1	3003.3	3545.8	4062.5	4520.2	4932.8	5307.1	5651.1	5957.0	6223.3	6456.1

Classified

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

Scaled Data Report



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CATALOG NUMBER: GFLD-SA5C-722-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°	2361.4	2881.7	3415.7	3926.0	4385.6	4801.0	5178.2	5522.8	5837.1	6112.2	6346.0
-25°	2251.7	2751.3	3268.3	3772.0	4237.4	4656.0	5036.5	5380.3	5694.4	5972.1	6215.7
-27.5°	2140.5	2609.0	3107.4	3604.2	4076.1	4493.7	4870.8	5214.8	5530.7	5820.1	6070.7
-30°	2020.1	2455.1	2933.5	3420.9	3884.4	4305.8	4688.1	5037.5	5351.5	5639.0	5897.6
-32.5°	1890.9	2291.8	2751.3	3218.4	3674.7	4105.4	4488.5	4833.4	5150.0	5441.0	5704.9
-35°	1765.6	2140.5	2559.4	3003.3	3451.3	3874.3	4260.7	4613.4	4931.8	5218.4	5484.1
-37.5°	1652.9	1980.4	2356.6	2779.4	3206.1	3622.2	4019.2	4365.7	4686.1	4981.4	5241.3
-40°	1534.3	1812.0	2165.6	2548.4	2949.3	3353.2	3737.0	4099.3	4418.6	4710.5	4981.4
-42.5°	1412.4	1674.7	1973.7	2307.3	2687.4	3066.0	3442.3	3794.8	4125.4	4418.6	4686.1
-45°	1304.2	1532.7	1781.6	2090.8	2417.7	2771.6	3124.8	3472.2	3794.8	4099.3	4365.7
-47.5°	1191.7	1391.8	1621.5	1867.1	2161.6	2473.3	2799.7	3124.8	3442.3	3737.0	4019.2
-50°	1081.5	1264.6	1456.0	1675.2	1914.0	2185.3	2473.3	2771.6	3066.0	3353.2	3622.2
-52.5°	986.5	1133.4	1308.7	1491.6	1693.2	1914.0	2161.6	2417.7	2687.4	2949.3	3206.1
-55°	888.8	1020.9	1162.7	1323.4	1491.6	1675.2	1867.1	2090.8	2307.3	2548.4	2779.4
-57.5°	803.7	911.6	1032.4	1162.7	1308.7	1456.0	1621.5	1781.6	1973.7	2165.6	2356.6
-60°	725.5	812.4	911.6	1020.9	1133.4	1264.6	1391.8	1532.7	1674.7	1812.0	1980.4
-62.5°	647.4	725.5	803.7	888.8	986.5	1081.5	1191.7	1304.2	1412.4	1534.3	1652.9
-65°	575.7	639.8	708.3	777.8	845.5	929.7	1013.2	1093.9	1188.9	1282.8	1372.3
-67.5°	502.8	560.6	617.2	674.0	735.0	794.1	851.3	923.3	992.9	1059.4	1127.5
-70°	425.8	479.8	530.7	579.7	627.5	675.6	726.4	775.3	822.2	871.7	927.8
-72.5°	347.2	394.6	440.8	485.9	527.9	568.3	607.4	645.1	684.0	723.1	760.4
-75°	271.9	308.8	348.1	386.7	424.3	460.6	495.5	527.7	558.5	588.0	616.1
-77.5°	199.1	229.9	259.9	289.2	318.1	348.3	377.6	405.7	432.6	458.3	482.7
-80°	133.8	150.8	174.4	197.8	220.6	242.5	263.8	284.1	303.7	323.3	342.7
-82.5°	83.1	95.8	108.2	120.3	132.0	143.3	155.4	170.7	185.3	199.3	212.5
-85°	37.6	40.8	49.0	57.0	64.8	72.3	79.6	86.6	93.3	99.7	105.7
-87.5°	18.8	20.4	21.9	23.4	24.8	26.2	27.6	28.8	30.1	31.3	32.4
-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: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	33.4	34.4	35.3	36.2	37.0	37.7	38.3	38.9	39.4	39.8	40.2
85°	111.4	116.8	121.9	126.5	130.8	134.7	138.2	141.3	144.0	146.3	148.2
82.5°	225.1	236.8	247.8	258.0	267.4	276.0	283.6	290.5	296.4	301.5	305.6
80°	361.2	378.5	394.7	409.7	423.5	436.1	447.4	457.5	466.2	473.7	479.8
77.5°	505.1	525.8	545.2	563.2	579.7	594.8	608.3	620.4	630.9	639.8	647.1
75°	642.6	668.5	695.0	719.6	742.3	762.9	781.5	798.0	812.4	824.6	834.7
72.5°	795.7	828.8	862.2	900.1	934.9	966.8	995.4	1020.9	1043.1	1062.0	1077.5
70°	980.9	1031.0	1077.9	1125.7	1176.5	1222.8	1264.6	1301.7	1334.1	1361.6	1384.3
67.5°	1203.5	1275.1	1342.2	1404.6	1469.7	1532.7	1589.6	1640.1	1684.2	1721.8	1752.6
65°	1463.7	1559.7	1649.8	1733.6	1812.0	1903.4	1986.0	2059.5	2123.6	2178.2	2223.1
62.5°	1765.6	1890.9	2020.1	2140.5	2251.7	2361.4	2468.1	2563.0	2645.9	2716.6	2774.7
60°	2140.5	2291.8	2455.1	2609.0	2751.3	2881.7	3003.3	3111.5	3206.1	3286.8	3353.2
57.5°	2559.4	2751.3	2933.5	3107.4	3268.3	3415.7	3545.8	3659.6	3759.2	3844.1	3914.0
55°	3003.3	3218.4	3420.9	3604.2	3772.0	3926.0	4062.5	4172.8	4269.3	4351.7	4419.6
52.5°	3451.3	3674.7	3884.4	4076.1	4237.4	4385.6	4520.2	4630.7	4725.8	4807.1	4874.2
50°	3874.3	4105.4	4305.8	4493.7	4656.0	4801.0	4932.8	5045.4	5138.9	5218.9	5285.0
47.5°	4260.7	4488.5	4688.1	4870.8	5036.5	5178.2	5307.1	5421.2	5514.7	5594.8	5661.1
45°	4613.4	4833.4	5037.5	5214.8	5380.3	5522.8	5651.1	5766.3	5856.1	5931.4	5993.8
42.5°	4931.8	5150.0	5351.5	5530.7	5694.4	5837.1	5957.0	6064.8	6152.5	6222.9	6281.3
40°	5218.4	5441.0	5639.0	5820.1	5972.1	6112.2	6223.3	6323.6	6409.2	6476.2	6532.0
37.5°	5484.1	5704.9	5897.6	6070.7	6215.7	6346.0	6456.1	6551.1	6635.1	6697.3	6749.1
35°	5727.0	5936.8	6127.4	6286.2	6429.9	6552.5	6660.9	6748.6	6826.6	6885.9	6933.1
32.5°	5936.8	6144.8	6321.8	6478.0	6618.3	6732.8	6836.8	6917.1	6987.9	7045.0	7088.8
30°	6127.4	6321.8	6494.2	6649.0	6776.9	6888.4	6982.0	7060.4	7125.8	7180.2	7218.8
27.5°	6286.2	6478.0	6649.0	6791.7	6914.1	7021.4	7107.0	7182.6	7239.7	7289.8	7323.0
25°	6429.9	6618.3	6776.9	6914.1	7032.9	7130.8	7212.3	7280.8	7331.4	7374.3	7399.0
22.5°	6552.5	6732.8	6888.4	7021.4	7130.8	7222.4	7299.3	7357.2	7398.6	7424.6	7439.2
20°	6660.9	6836.8	6982.0	7107.0	7212.3	7299.3	7365.9	7408.8	7437.7	7444.8	7449.0
17.5°	6748.6	6917.1	7060.4	7182.6	7280.8	7357.2	7408.8	7439.0	7447.6	7446.1	7441.9
15°	6826.6	6987.9	7125.8	7239.7	7331.4	7398.6	7437.7	7447.6	7445.1	7436.4	7422.9
12.5°	6885.9	7045.0	7180.2	7289.8	7374.3	7424.6	7444.8	7446.1	7436.4	7419.7	7400.6
10°	6933.1	7088.8	7218.8	7323.0	7399.0	7439.2	7449.0	7441.9	7422.9	7400.6	7379.5
7.5°	6970.5	7123.6	7249.5	7349.5	7415.2	7443.7	7445.8	7432.4	7409.7	7384.4	7361.5
5°	6997.6	7148.9	7271.9	7368.8	7427.0	7447.0	7443.5	7424.9	7398.7	7372.2	7351.3
2.5°	7013.9	7164.2	7285.4	7380.5	7434.3	7449.0	7442.1	7420.3	7391.8	7364.4	7344.5
0°	7019.4	7169.3	7290.0	7384.5	7436.7	7449.7	7441.6	7418.7	7389.4	7361.7	7342.1
-2.5°	7013.9	7164.2	7285.4	7380.5	7434.3	7449.0	7442.1	7420.3	7391.8	7364.4	7344.5
-5°	6997.6	7148.9	7271.9	7368.8	7427.0	7447.0	7443.5	7424.9	7398.7	7372.2	7351.3
-7.5°	6970.5	7123.6	7249.5	7349.5	7415.2	7443.7	7445.8	7432.4	7409.7	7384.4	7361.5
-10°	6933.1	7088.8	7218.8	7323.0	7399.0	7439.2	7449.0	7441.9	7422.9	7400.6	7379.5
-12.5°	6885.9	7045.0	7180.2	7289.8	7374.3	7424.6	7444.8	7446.1	7436.4	7419.7	7400.6
-15°	6826.6	6987.9	7125.8	7239.7	7331.4	7398.6	7437.7	7447.6	7445.1	7436.4	7422.9
-17.5°	6748.6	6917.1	7060.4	7182.6	7280.8	7357.2	7408.8	7439.0	7447.6	7446.1	7441.9
-20°	6660.9	6836.8	6982.0	7107.0	7212.3	7299.3	7365.9	7408.8	7437.7	7444.8	7449.0



REPORT NUMBER: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6552.5	6732.8	6888.4	7021.4	7130.8	7222.4	7299.3	7357.2	7398.6	7424.6	7439.2
-25°	6429.9	6618.3	6776.9	6914.1	7032.9	7130.8	7212.3	7280.8	7331.4	7374.3	7399.0
-27.5°	6286.2	6478.0	6649.0	6791.7	6914.1	7021.4	7107.0	7182.6	7239.7	7289.8	7323.0
-30°	6127.4	6321.8	6494.2	6649.0	6776.9	6888.4	6982.0	7060.4	7125.8	7180.2	7218.8
-32.5°	5936.8	6144.8	6321.8	6478.0	6618.3	6732.8	6836.8	6917.1	6987.9	7045.0	7088.8
-35°	5727.0	5936.8	6127.4	6286.2	6429.9	6552.5	6660.9	6748.6	6826.6	6885.9	6933.1
-37.5°	5484.1	5704.9	5897.6	6070.7	6215.7	6346.0	6456.1	6551.1	6635.1	6697.3	6749.1
-40°	5218.4	5441.0	5639.0	5820.1	5972.1	6112.2	6223.3	6323.6	6409.2	6476.2	6532.0
-42.5°	4931.8	5150.0	5351.5	5530.7	5694.4	5837.1	5957.0	6064.8	6152.5	6222.9	6281.3
-45°	4613.4	4833.4	5037.5	5214.8	5380.3	5522.8	5651.1	5766.3	5856.1	5931.4	5993.8
-47.5°	4260.7	4488.5	4688.1	4870.8	5036.5	5178.2	5307.1	5421.2	5514.7	5594.8	5661.1
-50°	3874.3	4105.4	4305.8	4493.7	4656.0	4801.0	4932.8	5045.4	5138.9	5218.9	5285.0
-52.5°	3451.3	3674.7	3884.4	4076.1	4237.4	4385.6	4520.2	4630.7	4725.8	4807.1	4874.2
-55°	3003.3	3218.4	3420.9	3604.2	3772.0	3926.0	4062.5	4172.8	4269.3	4351.7	4419.6
-57.5°	2559.4	2751.3	2933.5	3107.4	3268.3	3415.7	3545.8	3659.6	3759.2	3844.1	3914.0
-60°	2140.5	2291.8	2455.1	2609.0	2751.3	2881.7	3003.3	3111.5	3206.1	3286.8	3353.2
-62.5°	1765.6	1890.9	2020.1	2140.5	2251.7	2361.4	2468.1	2563.0	2645.9	2716.6	2774.7
-65°	1463.7	1559.7	1649.8	1733.6	1812.0	1903.4	1986.0	2059.5	2123.6	2178.2	2223.1
-67.5°	1203.5	1275.1	1342.2	1404.6	1469.7	1532.7	1589.6	1640.1	1684.2	1721.8	1752.6
-70°	980.9	1031.0	1077.9	1125.7	1176.5	1222.8	1264.6	1301.7	1334.1	1361.6	1384.3
-72.5°	795.7	828.8	862.2	900.1	934.9	966.8	995.4	1020.9	1043.1	1062.0	1077.5
-75°	642.6	668.5	695.0	719.6	742.3	762.9	781.5	798.0	812.4	824.6	834.7
-77.5°	505.1	525.8	545.2	563.2	579.7	594.8	608.3	620.4	630.9	639.8	647.1
-80°	361.2	378.5	394.7	409.7	423.5	436.1	447.4	457.5	466.2	473.7	479.8
-82.5°	225.1	236.8	247.8	258.0	267.4	276.0	283.6	290.5	296.4	301.5	305.6
-85°	111.4	116.8	121.9	126.5	130.8	134.7	138.2	141.3	144.0	146.3	148.2
-87.5°	33.4	34.4	35.3	36.2	37.0	37.7	38.3	38.9	39.4	39.8	40.2
-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: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	40.5	40.6	40.8	40.8	40.8	40.6	40.5	40.2	39.8	39.4	38.9
85°	149.7	150.8	151.4	151.6	151.4	150.8	149.7	148.2	146.3	144.0	141.3
82.5°	308.8	311.1	312.5	313.0	312.5	311.1	308.8	305.6	301.5	296.4	290.5
80°	484.6	488.0	490.0	490.7	490.0	488.0	484.6	479.8	473.7	466.2	457.5
77.5°	652.8	656.9	659.4	660.2	659.4	656.9	652.8	647.1	639.8	630.9	620.4
75°	842.5	848.1	851.5	852.6	851.5	848.1	842.5	834.7	824.6	812.4	798.0
72.5°	1089.6	1098.3	1103.5	1105.2	1103.5	1098.3	1089.6	1077.5	1062.0	1043.1	1020.9
70°	1401.9	1414.6	1422.2	1424.7	1422.2	1414.6	1401.9	1384.3	1361.6	1334.1	1301.7
67.5°	1776.7	1794.0	1804.3	1807.8	1804.3	1794.0	1776.7	1752.6	1721.8	1684.2	1640.1
65°	2258.1	2283.3	2298.4	2303.4	2298.4	2283.3	2258.1	2223.1	2178.2	2123.6	2059.5
62.5°	2820.1	2852.7	2872.3	2878.8	2872.3	2852.7	2820.1	2774.7	2716.6	2645.9	2563.0
60°	3405.1	3442.3	3464.7	3472.2	3464.7	3442.3	3405.1	3353.2	3286.8	3206.1	3111.5
57.5°	3968.8	4008.0	4031.6	4039.5	4031.6	4008.0	3968.8	3914.0	3844.1	3759.2	3659.6
55°	4472.8	4511.0	4533.9	4541.6	4533.9	4511.0	4472.8	4419.6	4351.7	4269.3	4172.8
52.5°	4926.7	4964.4	4987.1	4994.7	4987.1	4964.4	4926.7	4874.2	4807.1	4725.8	4630.7
50°	5336.8	5374.0	5396.4	5403.9	5396.4	5374.0	5336.8	5285.0	5218.9	5138.9	5045.4
47.5°	5713.1	5750.5	5773.0	5780.5	5773.0	5750.5	5713.1	5661.1	5594.8	5514.7	5421.2
45°	6042.9	6078.1	6099.4	6106.5	6099.4	6078.1	6042.9	5993.8	5931.4	5856.1	5766.3
42.5°	6327.2	6360.3	6380.2	6386.9	6380.2	6360.3	6327.2	6281.3	6222.9	6152.5	6064.8
40°	6575.8	6607.5	6626.6	6633.0	6626.6	6607.5	6575.8	6532.0	6476.2	6409.2	6323.6
37.5°	6789.9	6819.5	6837.3	6843.3	6837.3	6819.5	6789.9	6749.1	6697.3	6635.1	6551.1
35°	6970.5	6997.6	7013.9	7019.4	7013.9	6997.6	6970.5	6933.1	6885.9	6826.6	6748.6
32.5°	7123.6	7148.9	7164.2	7169.3	7164.2	7148.9	7123.6	7088.8	7045.0	6987.9	6917.1
30°	7249.5	7271.9	7285.4	7290.0	7285.4	7271.9	7249.5	7218.8	7180.2	7125.8	7060.4
27.5°	7349.5	7368.8	7380.5	7384.5	7380.5	7368.8	7349.5	7323.0	7289.8	7239.7	7182.6
25°	7415.2	7427.0	7434.3	7436.7	7434.3	7427.0	7415.2	7399.0	7374.3	7331.4	7280.8
22.5°	7443.7	7447.0	7449.0	7449.7	7449.0	7447.0	7443.7	7439.2	7424.6	7398.6	7357.2
20°	7445.8	7443.5	7442.1	7441.6	7442.1	7443.5	7445.8	7449.0	7444.8	7437.7	7408.8
17.5°	7432.4	7424.9	7420.3	7418.7	7420.3	7424.9	7432.4	7441.9	7446.1	7447.6	7439.0
15°	7409.7	7398.7	7391.8	7389.4	7391.8	7398.7	7409.7	7422.9	7436.4	7445.1	7447.6
12.5°	7384.4	7372.2	7364.4	7361.7	7364.4	7372.2	7384.4	7400.6	7419.7	7436.4	7446.1
10°	7361.5	7351.3	7344.5	7342.1	7344.5	7351.3	7361.5	7379.5	7400.6	7422.9	7441.9
7.5°	7346.7	7337.6	7332.5	7330.7	7332.5	7337.6	7346.7	7361.5	7384.4	7409.7	7432.4
5°	7337.6	7328.4	7320.8	7317.7	7320.8	7328.4	7337.6	7351.3	7372.2	7398.7	7424.9
2.5°	7332.5	7320.8	7309.1	7303.0	7309.1	7320.8	7332.5	7344.5	7364.4	7391.8	7420.3
0°	7330.7	7317.7	7303.0	7304.6	7303.0	7317.7	7330.7	7342.1	7361.7	7389.4	7418.7
-2.5°	7332.5	7320.8	7309.1	7303.0	7309.1	7320.8	7332.5	7344.5	7364.4	7391.8	7420.3
-5°	7337.6	7328.4	7320.8	7317.7	7320.8	7328.4	7337.6	7351.3	7372.2	7398.7	7424.9
-7.5°	7346.7	7337.6	7332.5	7330.7	7332.5	7337.6	7346.7	7361.5	7384.4	7409.7	7432.4
-10°	7361.5	7351.3	7344.5	7342.1	7344.5	7351.3	7361.5	7379.5	7400.6	7422.9	7441.9
-12.5°	7384.4	7372.2	7364.4	7361.7	7364.4	7372.2	7384.4	7400.6	7419.7	7436.4	7446.1
-15°	7409.7	7398.7	7391.8	7389.4	7391.8	7398.7	7409.7	7422.9	7436.4	7445.1	7447.6
-17.5°	7432.4	7424.9	7420.3	7418.7	7420.3	7424.9	7432.4	7441.9	7446.1	7447.6	7439.0
-20°	7445.8	7443.5	7442.1	7441.6	7442.1	7443.5	7445.8	7449.0	7444.8	7437.7	7408.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5C-722-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°	7443.7	7447.0	7449.0	7449.7	7449.0	7447.0	7443.7	7439.2	7424.6	7398.6	7357.2
-25°	7415.2	7427.0	7434.3	7436.7	7434.3	7427.0	7415.2	7399.0	7374.3	7331.4	7280.8
-27.5°	7349.5	7368.8	7380.5	7384.5	7380.5	7368.8	7349.5	7323.0	7289.8	7239.7	7182.6
-30°	7249.5	7271.9	7285.4	7290.0	7285.4	7271.9	7249.5	7218.8	7180.2	7125.8	7060.4
-32.5°	7123.6	7148.9	7164.2	7169.3	7164.2	7148.9	7123.6	7088.8	7045.0	6987.9	6917.1
-35°	6970.5	6997.6	7013.9	7019.4	7013.9	6997.6	6970.5	6933.1	6885.9	6826.6	6748.6
-37.5°	6789.9	6819.5	6837.3	6843.3	6837.3	6819.5	6789.9	6749.1	6697.3	6635.1	6551.1
-40°	6575.8	6607.5	6626.6	6633.0	6626.6	6607.5	6575.8	6532.0	6476.2	6409.2	6323.6
-42.5°	6327.2	6360.3	6380.2	6386.9	6380.2	6360.3	6327.2	6281.3	6222.9	6152.5	6064.8
-45°	6042.9	6078.1	6099.4	6106.5	6099.4	6078.1	6042.9	5993.8	5931.4	5856.1	5766.3
-47.5°	5713.1	5750.5	5773.0	5780.5	5773.0	5750.5	5713.1	5661.1	5594.8	5514.7	5421.2
-50°	5336.8	5374.0	5396.4	5403.9	5396.4	5374.0	5336.8	5285.0	5218.9	5138.9	5045.4
-52.5°	4926.7	4964.4	4987.1	4994.7	4987.1	4964.4	4926.7	4874.2	4807.1	4725.8	4630.7
-55°	4472.8	4511.0	4533.9	4541.6	4533.9	4511.0	4472.8	4419.6	4351.7	4269.3	4172.8
-57.5°	3968.8	4008.0	4031.6	4039.5	4031.6	4008.0	3968.8	3914.0	3844.1	3759.2	3659.6
-60°	3405.1	3442.3	3464.7	3472.2	3464.7	3442.3	3405.1	3353.2	3286.8	3206.1	3111.5
-62.5°	2820.1	2852.7	2872.3	2878.8	2872.3	2852.7	2820.1	2774.7	2716.6	2645.9	2563.0
-65°	2258.1	2283.3	2298.4	2303.4	2298.4	2283.3	2258.1	2223.1	2178.2	2123.6	2059.5
-67.5°	1776.7	1794.0	1804.3	1807.8	1804.3	1794.0	1776.7	1752.6	1721.8	1684.2	1640.1
-70°	1401.9	1414.6	1422.2	1424.7	1422.2	1414.6	1401.9	1384.3	1361.6	1334.1	1301.7
-72.5°	1089.6	1098.3	1103.5	1105.2	1103.5	1098.3	1089.6	1077.5	1062.0	1043.1	1020.9
-75°	842.5	848.1	851.5	852.6	851.5	848.1	842.5	834.7	824.6	812.4	798.0
-77.5°	652.8	656.9	659.4	660.2	659.4	656.9	652.8	647.1	639.8	630.9	620.4
-80°	484.6	488.0	490.0	490.7	490.0	488.0	484.6	479.8	473.7	466.2	457.5
-82.5°	308.8	311.1	312.5	313.0	312.5	311.1	308.8	305.6	301.5	296.4	290.5
-85°	149.7	150.8	151.4	151.6	151.4	150.8	149.7	148.2	146.3	144.0	141.3
-87.5°	40.5	40.6	40.8	40.8	40.8	40.6	40.5	40.2	39.8	39.4	38.9
-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: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-722-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°	38.3	37.7	37.0	36.2	35.3	34.4	33.4	32.4	31.3	30.1	28.8
85°	138.2	134.7	130.8	126.5	121.9	116.8	111.4	105.7	99.7	93.3	86.6
82.5°	283.6	276.0	267.4	258.0	247.8	236.8	225.1	212.5	199.3	185.3	170.7
80°	447.4	436.1	423.5	409.7	394.7	378.5	361.2	342.7	323.3	303.7	284.1
77.5°	608.3	594.8	579.7	563.2	545.2	525.8	505.1	482.7	458.3	432.6	405.7
75°	781.5	762.9	742.3	719.6	695.0	668.5	642.6	616.1	588.0	558.5	527.7
72.5°	995.4	966.8	934.9	900.1	862.2	828.8	795.7	760.4	723.1	684.0	645.1
70°	1264.6	1222.8	1176.5	1125.7	1077.9	1031.0	980.9	927.8	871.7	822.2	775.3
67.5°	1589.6	1532.7	1469.7	1404.6	1342.2	1275.1	1203.5	1127.5	1059.4	992.9	923.3
65°	1986.0	1903.4	1812.0	1733.6	1649.8	1559.7	1463.7	1372.3	1282.8	1188.9	1093.9
62.5°	2468.1	2361.4	2251.7	2140.5	2020.1	1890.9	1765.6	1652.9	1534.3	1412.4	1304.2
60°	3003.3	2881.7	2751.3	2609.0	2455.1	2291.8	2140.5	1980.4	1812.0	1674.7	1532.7
57.5°	3545.8	3415.7	3268.3	3107.4	2933.5	2751.3	2559.4	2356.6	2165.6	1973.7	1781.6
55°	4062.5	3926.0	3772.0	3604.2	3420.9	3218.4	3003.3	2779.4	2548.4	2307.3	2090.8
52.5°	4520.2	4385.6	4237.4	4076.1	3884.4	3674.7	3451.3	3206.1	2949.3	2687.4	2417.7
50°	4932.8	4801.0	4656.0	4493.7	4305.8	4105.4	3874.3	3622.2	3353.2	3066.0	2771.6
47.5°	5307.1	5178.2	5036.5	4870.8	4688.1	4488.5	4260.7	4019.2	3737.0	3442.3	3124.8
45°	5651.1	5522.8	5380.3	5214.8	5037.5	4833.4	4613.4	4365.7	4099.3	3794.8	3472.2
42.5°	5957.0	5837.1	5694.4	5530.7	5351.5	5150.0	4931.8	4686.1	4418.6	4125.4	3794.8
40°	6223.3	6112.2	5972.1	5820.1	5639.0	5441.0	5218.4	4981.4	4710.5	4418.6	4099.3
37.5°	6456.1	6346.0	6215.7	6070.7	5897.6	5704.9	5484.1	5241.3	4981.4	4686.1	4365.7
35°	6660.9	6552.5	6429.9	6286.2	6127.4	5936.8	5727.0	5484.1	5218.4	4931.8	4613.4
32.5°	6836.8	6732.8	6618.3	6478.0	6321.8	6144.8	5936.8	5704.9	5441.0	5150.0	4833.4
30°	6982.0	6888.4	6776.9	6649.0	6494.2	6321.8	6127.4	5897.6	5639.0	5351.5	5037.5
27.5°	7107.0	7021.4	6914.1	6791.7	6649.0	6478.0	6286.2	6070.7	5820.1	5530.7	5214.8
25°	7212.3	7130.8	7032.9	6914.1	6776.9	6618.3	6429.9	6215.7	5972.1	5694.4	5380.3
22.5°	7299.3	7222.4	7130.8	7021.4	6888.4	6732.8	6552.5	6346.0	6112.2	5837.1	5522.8
20°	7365.9	7299.3	7212.3	7107.0	6982.0	6836.8	6660.9	6456.1	6223.3	5957.0	5651.1
17.5°	7408.8	7357.2	7280.8	7182.6	7060.4	6917.1	6748.6	6551.1	6323.6	6064.8	5766.3
15°	7437.7	7398.6	7331.4	7239.7	7125.8	6987.9	6826.6	6635.1	6409.2	6152.5	5856.1
12.5°	7444.8	7424.6	7374.3	7289.8	7180.2	7045.0	6885.9	6697.3	6476.2	6222.9	5931.4
10°	7449.0	7439.2	7399.0	7323.0	7218.8	7088.8	6933.1	6749.1	6532.0	6281.3	5993.8
7.5°	7445.8	7443.7	7415.2	7349.5	7249.5	7123.6	6970.5	6789.9	6575.8	6327.2	6042.9
5°	7443.5	7447.0	7427.0	7368.8	7271.9	7148.9	6997.6	6819.5	6607.5	6360.3	6078.1
2.5°	7442.1	7449.0	7434.3	7380.5	7285.4	7164.2	7013.9	6837.3	6626.6	6380.2	6099.4
0°	7441.6	7449.7	7436.7	7384.5	7290.0	7169.3	7019.4	6843.3	6633.0	6386.9	6106.5
-2.5°	7442.1	7449.0	7434.3	7380.5	7285.4	7164.2	7013.9	6837.3	6626.6	6380.2	6099.4
-5°	7443.5	7447.0	7427.0	7368.8	7271.9	7148.9	6997.6	6819.5	6607.5	6360.3	6078.1
-7.5°	7445.8	7443.7	7415.2	7349.5	7249.5	7123.6	6970.5	6789.9	6575.8	6327.2	6042.9
-10°	7449.0	7439.2	7399.0	7323.0	7218.8	7088.8	6933.1	6749.1	6532.0	6281.3	5993.8
-12.5°	7444.8	7424.6	7374.3	7289.8	7180.2	7045.0	6885.9	6697.3	6476.2	6222.9	5931.4
-15°	7437.7	7398.6	7331.4	7239.7	7125.8	6987.9	6826.6	6635.1	6409.2	6152.5	5856.1
-17.5°	7408.8	7357.2	7280.8	7182.6	7060.4	6917.1	6748.6	6551.1	6323.6	6064.8	5766.3
-20°	7365.9	7299.3	7212.3	7107.0	6982.0	6836.8	6660.9	6456.1	6223.3	5957.0	5651.1



REPORT NUMBER: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7299.3	7222.4	7130.8	7021.4	6888.4	6732.8	6552.5	6346.0	6112.2	5837.1	5522.8
-25°	7212.3	7130.8	7032.9	6914.1	6776.9	6618.3	6429.9	6215.7	5972.1	5694.4	5380.3
-27.5°	7107.0	7021.4	6914.1	6791.7	6649.0	6478.0	6286.2	6070.7	5820.1	5530.7	5214.8
-30°	6982.0	6888.4	6776.9	6649.0	6494.2	6321.8	6127.4	5897.6	5639.0	5351.5	5037.5
-32.5°	6836.8	6732.8	6618.3	6478.0	6321.8	6144.8	5936.8	5704.9	5441.0	5150.0	4833.4
-35°	6660.9	6552.5	6429.9	6286.2	6127.4	5936.8	5727.0	5484.1	5218.4	4931.8	4613.4
-37.5°	6456.1	6346.0	6215.7	6070.7	5897.6	5704.9	5484.1	5241.3	4981.4	4686.1	4365.7
-40°	6223.3	6112.2	5972.1	5820.1	5639.0	5441.0	5218.4	4981.4	4710.5	4418.6	4099.3
-42.5°	5957.0	5837.1	5694.4	5530.7	5351.5	5150.0	4931.8	4686.1	4418.6	4125.4	3794.8
-45°	5651.1	5522.8	5380.3	5214.8	5037.5	4833.4	4613.4	4365.7	4099.3	3794.8	3472.2
-47.5°	5307.1	5178.2	5036.5	4870.8	4688.1	4488.5	4260.7	4019.2	3737.0	3442.3	3124.8
-50°	4932.8	4801.0	4656.0	4493.7	4305.8	4105.4	3874.3	3622.2	3353.2	3066.0	2771.6
-52.5°	4520.2	4385.6	4237.4	4076.1	3884.4	3674.7	3451.3	3206.1	2949.3	2687.4	2417.7
-55°	4062.5	3926.0	3772.0	3604.2	3420.9	3218.4	3003.3	2779.4	2548.4	2307.3	2090.8
-57.5°	3545.8	3415.7	3268.3	3107.4	2933.5	2751.3	2559.4	2356.6	2165.6	1973.7	1781.6
-60°	3003.3	2881.7	2751.3	2609.0	2455.1	2291.8	2140.5	1980.4	1812.0	1674.7	1532.7
-62.5°	2468.1	2361.4	2251.7	2140.5	2020.1	1890.9	1765.6	1652.9	1534.3	1412.4	1304.2
-65°	1986.0	1903.4	1812.0	1733.6	1649.8	1559.7	1463.7	1372.3	1282.8	1188.9	1093.9
-67.5°	1589.6	1532.7	1469.7	1404.6	1342.2	1275.1	1203.5	1127.5	1059.4	992.9	923.3
-70°	1264.6	1222.8	1176.5	1125.7	1077.9	1031.0	980.9	927.8	871.7	822.2	775.3
-72.5°	995.4	966.8	934.9	900.1	862.2	828.8	795.7	760.4	723.1	684.0	645.1
-75°	781.5	762.9	742.3	719.6	695.0	668.5	642.6	616.1	588.0	558.5	527.7
-77.5°	608.3	594.8	579.7	563.2	545.2	525.8	505.1	482.7	458.3	432.6	405.7
-80°	447.4	436.1	423.5	409.7	394.7	378.5	361.2	342.7	323.3	303.7	284.1
-82.5°	283.6	276.0	267.4	258.0	247.8	236.8	225.1	212.5	199.3	185.3	170.7
-85°	138.2	134.7	130.8	126.5	121.9	116.8	111.4	105.7	99.7	93.3	86.6
-87.5°	38.3	37.7	37.0	36.2	35.3	34.4	33.4	32.4	31.3	30.1	28.8
-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: P645512 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5C-722-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°	27.6	26.2	24.8	23.4	21.9	20.4	18.8	17.2	15.6	14.0	12.3
85°	79.6	72.3	64.8	57.0	49.0	40.8	37.6	34.4	31.2	27.9	24.5
82.5°	155.4	143.3	132.0	120.3	108.2	95.8	83.1	70.1	56.9	43.4	36.7
80°	263.8	242.5	220.6	197.8	174.4	150.8	133.8	116.5	98.9	80.9	62.7
77.5°	377.6	348.3	318.1	289.2	259.9	229.9	199.1	167.6	140.6	118.2	95.4
75°	495.5	460.6	424.3	386.7	348.1	308.8	271.9	234.2	195.8	156.7	127.8
72.5°	607.4	568.3	527.9	485.9	440.8	394.6	347.2	300.2	255.4	209.9	163.7
70°	726.4	675.6	627.5	579.7	530.7	479.8	425.8	370.6	314.5	262.5	209.9
67.5°	851.3	794.1	735.0	674.0	617.2	560.6	502.8	441.5	378.5	314.5	255.4
65°	1013.2	929.7	845.5	777.8	708.3	639.8	575.7	510.3	441.5	370.6	300.2
62.5°	1191.7	1081.5	986.5	888.8	803.7	725.5	647.4	575.7	502.8	425.8	347.2
60°	1391.8	1264.6	1133.4	1020.9	911.6	812.4	725.5	639.8	560.6	479.8	394.6
57.5°	1621.5	1456.0	1308.7	1162.7	1032.4	911.6	803.7	708.3	617.2	530.7	440.8
55°	1867.1	1675.2	1491.6	1323.4	1162.7	1020.9	888.8	777.8	674.0	579.7	485.9
52.5°	2161.6	1914.0	1693.2	1491.6	1308.7	1133.4	986.5	845.5	735.0	627.5	527.9
50°	2473.3	2185.3	1914.0	1675.2	1456.0	1264.6	1081.5	929.7	794.1	675.6	568.3
47.5°	2799.7	2473.3	2161.6	1867.1	1621.5	1391.8	1191.7	1013.2	851.3	726.4	607.4
45°	3124.8	2771.6	2417.7	2090.8	1781.6	1532.7	1304.2	1093.9	923.3	775.3	645.1
42.5°	3442.3	3066.0	2687.4	2307.3	1973.7	1674.7	1412.4	1188.9	992.9	822.2	684.0
40°	3737.0	3353.2	2949.3	2548.4	2165.6	1812.0	1534.3	1282.8	1059.4	871.7	723.1
37.5°	4019.2	3622.2	3206.1	2779.4	2356.6	1980.4	1652.9	1372.3	1127.5	927.8	760.4
35°	4260.7	3874.3	3451.3	3003.3	2559.4	2140.5	1765.6	1463.7	1203.5	980.9	795.7
32.5°	4488.5	4105.4	3674.7	3218.4	2751.3	2291.8	1890.9	1559.7	1275.1	1031.0	828.8
30°	4688.1	4305.8	3884.4	3420.9	2933.5	2455.1	2020.1	1649.8	1342.2	1077.9	862.2
27.5°	4870.8	4493.7	4076.1	3604.2	3107.4	2609.0	2140.5	1733.6	1404.6	1125.7	900.1
25°	5036.5	4656.0	4237.4	3772.0	3268.3	2751.3	2251.7	1812.0	1469.7	1176.5	934.9
22.5°	5178.2	4801.0	4385.6	3926.0	3415.7	2881.7	2361.4	1903.4	1532.7	1222.8	966.8
20°	5307.1	4932.8	4520.2	4062.5	3545.8	3003.3	2468.1	1986.0	1589.6	1264.6	995.4
17.5°	5421.2	5045.4	4630.7	4172.8	3659.6	3111.5	2563.0	2059.5	1640.1	1301.7	1020.9
15°	5514.7	5138.9	4725.8	4269.3	3759.2	3206.1	2645.9	2123.6	1684.2	1334.1	1043.1
12.5°	5594.8	5218.9	4807.1	4351.7	3844.1	3286.8	2716.6	2178.2	1721.8	1361.6	1062.0
10°	5661.1	5285.0	4874.2	4419.6	3914.0	3353.2	2774.7	2223.1	1752.6	1384.3	1077.5
7.5°	5713.1	5336.8	4926.7	4472.8	3968.8	3405.1	2820.1	2258.1	1776.7	1401.9	1089.6
5°	5750.5	5374.0	4964.4	4511.0	4008.0	3442.3	2852.7	2283.3	1794.0	1414.6	1098.3
2.5°	5773.0	5396.4	4987.1	4533.9	4031.6	3464.7	2872.3	2298.4	1804.3	1422.2	1103.5
0°	5780.5	5403.9	4994.7	4541.6	4039.5	3472.2	2878.8	2303.4	1807.8	1424.7	1105.2
-2.5°	5773.0	5396.4	4987.1	4533.9	4031.6	3464.7	2872.3	2298.4	1804.3	1422.2	1103.5
-5°	5750.5	5374.0	4964.4	4511.0	4008.0	3442.3	2852.7	2283.3	1794.0	1414.6	1098.3
-7.5°	5713.1	5336.8	4926.7	4472.8	3968.8	3405.1	2820.1	2258.1	1776.7	1401.9	1089.6
-10°	5661.1	5285.0	4874.2	4419.6	3914.0	3353.2	2774.7	2223.1	1752.6	1384.3	1077.5
-12.5°	5594.8	5218.9	4807.1	4351.7	3844.1	3286.8	2716.6	2178.2	1721.8	1361.6	1062.0
-15°	5514.7	5138.9	4725.8	4269.3	3759.2	3206.1	2645.9	2123.6	1684.2	1334.1	1043.1
-17.5°	5421.2	5045.4	4630.7	4172.8	3659.6	3111.5	2563.0	2059.5	1640.1	1301.7	1020.9
-20°	5307.1	4932.8	4520.2	4062.5	3545.8	3003.3	2468.1	1986.0	1589.6	1264.6	995.4



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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°	5178.2	4801.0	4385.6	3926.0	3415.7	2881.7	2361.4	1903.4	1532.7	1222.8	966.8
-25°	5036.5	4656.0	4237.4	3772.0	3268.3	2751.3	2251.7	1812.0	1469.7	1176.5	934.9
-27.5°	4870.8	4493.7	4076.1	3604.2	3107.4	2609.0	2140.5	1733.6	1404.6	1125.7	900.1
-30°	4688.1	4305.8	3884.4	3420.9	2933.5	2455.1	2020.1	1649.8	1342.2	1077.9	862.2
-32.5°	4488.5	4105.4	3674.7	3218.4	2751.3	2291.8	1890.9	1559.7	1275.1	1031.0	828.8
-35°	4260.7	3874.3	3451.3	3003.3	2559.4	2140.5	1765.6	1463.7	1203.5	980.9	795.7
-37.5°	4019.2	3622.2	3206.1	2779.4	2356.6	1980.4	1652.9	1372.3	1127.5	927.8	760.4
-40°	3737.0	3353.2	2949.3	2548.4	2165.6	1812.0	1534.3	1282.8	1059.4	871.7	723.1
-42.5°	3442.3	3066.0	2687.4	2307.3	1973.7	1674.7	1412.4	1188.9	992.9	822.2	684.0
-45°	3124.8	2771.6	2417.7	2090.8	1781.6	1532.7	1304.2	1093.9	923.3	775.3	645.1
-47.5°	2799.7	2473.3	2161.6	1867.1	1621.5	1391.8	1191.7	1013.2	851.3	726.4	607.4
-50°	2473.3	2185.3	1914.0	1675.2	1456.0	1264.6	1081.5	929.7	794.1	675.6	568.3
-52.5°	2161.6	1914.0	1693.2	1491.6	1308.7	1133.4	986.5	845.5	735.0	627.5	527.9
-55°	1867.1	1675.2	1491.6	1323.4	1162.7	1020.9	888.8	777.8	674.0	579.7	485.9
-57.5°	1621.5	1456.0	1308.7	1162.7	1032.4	911.6	803.7	708.3	617.2	530.7	440.8
-60°	1391.8	1264.6	1133.4	1020.9	911.6	812.4	725.5	639.8	560.6	479.8	394.6
-62.5°	1191.7	1081.5	986.5	888.8	803.7	725.5	647.4	575.7	502.8	425.8	347.2
-65°	1013.2	929.7	845.5	777.8	708.3	639.8	575.7	510.3	441.5	370.6	300.2
-67.5°	851.3	794.1	735.0	674.0	617.2	560.6	502.8	441.5	378.5	314.5	255.4
-70°	726.4	675.6	627.5	579.7	530.7	479.8	425.8	370.6	314.5	262.5	209.9
-72.5°	607.4	568.3	527.9	485.9	440.8	394.6	347.2	300.2	255.4	209.9	163.7
-75°	495.5	460.6	424.3	386.7	348.1	308.8	271.9	234.2	195.8	156.7	127.8
-77.5°	377.6	348.3	318.1	289.2	259.9	229.9	199.1	167.6	140.6	118.2	95.4
-80°	263.8	242.5	220.6	197.8	174.4	150.8	133.8	116.5	98.9	80.9	62.7
-82.5°	155.4	143.3	132.0	120.3	108.2	95.8	83.1	70.1	56.9	43.4	36.7
-85°	79.6	72.3	64.8	57.0	49.0	40.8	37.6	34.4	31.2	27.9	24.5
-87.5°	27.6	26.2	24.8	23.4	21.9	20.4	18.8	17.2	15.6	14.0	12.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.6	8.8	7.1	5.3	3.6	1.8	0.0
85°	21.1	17.6	14.2	10.6	7.1	3.6	0.0
82.5°	31.6	26.4	21.2	15.9	10.6	5.3	0.0
80°	44.2	35.2	28.2	21.2	14.2	7.1	0.0
77.5°	72.3	49.0	35.2	26.4	17.6	8.8	0.0
75°	100.2	72.3	44.2	31.6	21.1	10.6	0.0
72.5°	127.8	95.4	62.7	36.7	24.5	12.3	0.0
70°	156.7	118.2	80.9	43.4	27.9	14.0	0.0
67.5°	195.8	140.6	98.9	56.9	31.2	15.6	0.0
65°	234.2	167.6	116.5	70.1	34.4	17.2	0.0
62.5°	271.9	199.1	133.8	83.1	37.6	18.8	0.0
60°	308.8	229.9	150.8	95.8	40.8	20.4	0.0
57.5°	348.1	259.9	174.4	108.2	49.0	21.9	0.0
55°	386.7	289.2	197.8	120.3	57.0	23.4	0.0
52.5°	424.3	318.1	220.6	132.0	64.8	24.8	0.0
50°	460.6	348.3	242.5	143.3	72.3	26.2	0.0
47.5°	495.5	377.6	263.8	155.4	79.6	27.6	0.0
45°	527.7	405.7	284.1	170.7	86.6	28.8	0.0
42.5°	558.5	432.6	303.7	185.3	93.3	30.1	0.0
40°	588.0	458.3	323.3	199.3	99.7	31.3	0.0
37.5°	616.1	482.7	342.7	212.5	105.7	32.4	0.0
35°	642.6	505.1	361.2	225.1	111.4	33.4	0.0
32.5°	668.5	525.8	378.5	236.8	116.8	34.4	0.0
30°	695.0	545.2	394.7	247.8	121.9	35.3	0.0
27.5°	719.6	563.2	409.7	258.0	126.5	36.2	0.0
25°	742.3	579.7	423.5	267.4	130.8	37.0	0.0
22.5°	762.9	594.8	436.1	276.0	134.7	37.7	0.0
20°	781.5	608.3	447.4	283.6	138.2	38.3	0.0
17.5°	798.0	620.4	457.5	290.5	141.3	38.9	0.0
15°	812.4	630.9	466.2	296.4	144.0	39.4	0.0
12.5°	824.6	639.8	473.7	301.5	146.3	39.8	0.0
10°	834.7	647.1	479.8	305.6	148.2	40.2	0.0
7.5°	842.5	652.8	484.6	308.8	149.7	40.5	0.0
5°	848.1	656.9	488.0	311.1	150.8	40.6	0.0
2.5°	851.5	659.4	490.0	312.5	151.4	40.8	0.0
0°	852.6	660.2	490.7	313.0	151.6	40.8	0.0
-2.5°	851.5	659.4	490.0	312.5	151.4	40.8	0.0
-5°	848.1	656.9	488.0	311.1	150.8	40.6	0.0
-7.5°	842.5	652.8	484.6	308.8	149.7	40.5	0.0
-10°	834.7	647.1	479.8	305.6	148.2	40.2	0.0
-12.5°	824.6	639.8	473.7	301.5	146.3	39.8	0.0
-15°	812.4	630.9	466.2	296.4	144.0	39.4	0.0
-17.5°	798.0	620.4	457.5	290.5	141.3	38.9	0.0
-20°	781.5	608.3	447.4	283.6	138.2	38.3	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	762.9	594.8	436.1	276.0	134.7	37.7	0.0
-25°	742.3	579.7	423.5	267.4	130.8	37.0	0.0
-27.5°	719.6	563.2	409.7	258.0	126.5	36.2	0.0
-30°	695.0	545.2	394.7	247.8	121.9	35.3	0.0
-32.5°	668.5	525.8	378.5	236.8	116.8	34.4	0.0
-35°	642.6	505.1	361.2	225.1	111.4	33.4	0.0
-37.5°	616.1	482.7	342.7	212.5	105.7	32.4	0.0
-40°	588.0	458.3	323.3	199.3	99.7	31.3	0.0
-42.5°	558.5	432.6	303.7	185.3	93.3	30.1	0.0
-45°	527.7	405.7	284.1	170.7	86.6	28.8	0.0
-47.5°	495.5	377.6	263.8	155.4	79.6	27.6	0.0
-50°	460.6	348.3	242.5	143.3	72.3	26.2	0.0
-52.5°	424.3	318.1	220.6	132.0	64.8	24.8	0.0
-55°	386.7	289.2	197.8	120.3	57.0	23.4	0.0
-57.5°	348.1	259.9	174.4	108.2	49.0	21.9	0.0
-60°	308.8	229.9	150.8	95.8	40.8	20.4	0.0
-62.5°	271.9	199.1	133.8	83.1	37.6	18.8	0.0
-65°	234.2	167.6	116.5	70.1	34.4	17.2	0.0
-67.5°	195.8	140.6	98.9	56.9	31.2	15.6	0.0
-70°	156.7	118.2	80.9	43.4	27.9	14.0	0.0
-72.5°	127.8	95.4	62.7	36.7	24.5	12.3	0.0
-75°	100.2	72.3	44.2	31.6	21.1	10.6	0.0
-77.5°	72.3	49.0	35.2	26.4	17.6	8.8	0.0
-80°	44.2	35.2	28.2	21.2	14.2	7.1	0.0
-82.5°	31.6	26.4	21.2	15.9	10.6	5.3	0.0
-85°	21.1	17.6	14.2	10.6	7.1	3.6	0.0
-87.5°	10.6	8.8	7.1	5.3	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)