

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: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-722-U-LAM-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645428 (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-SA3D-722-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

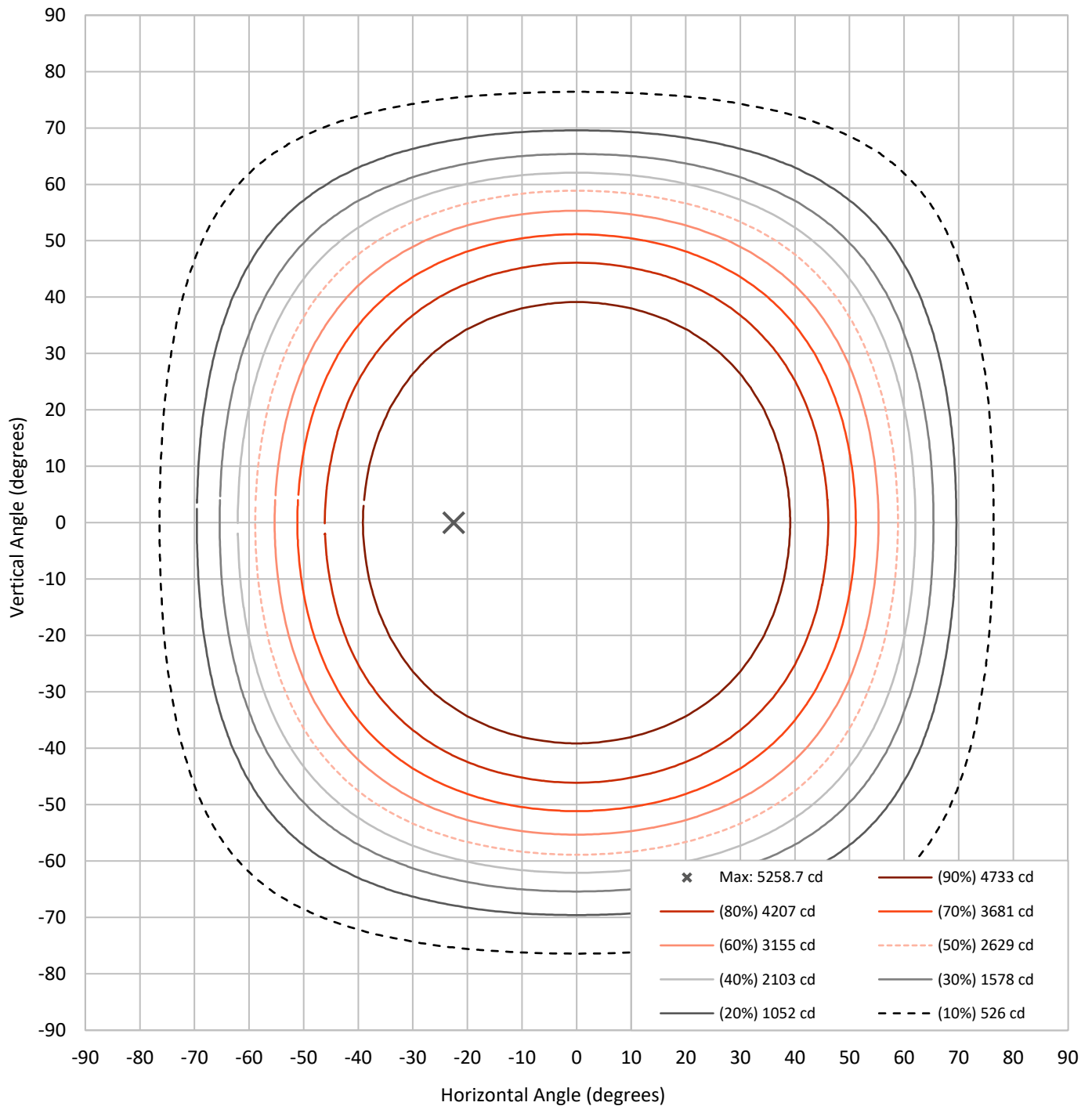
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	16086.6 lumens	Max Intensity:	5258.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	100.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	13387.6 lumens	Field Lumens:	15770.2 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	160.2		
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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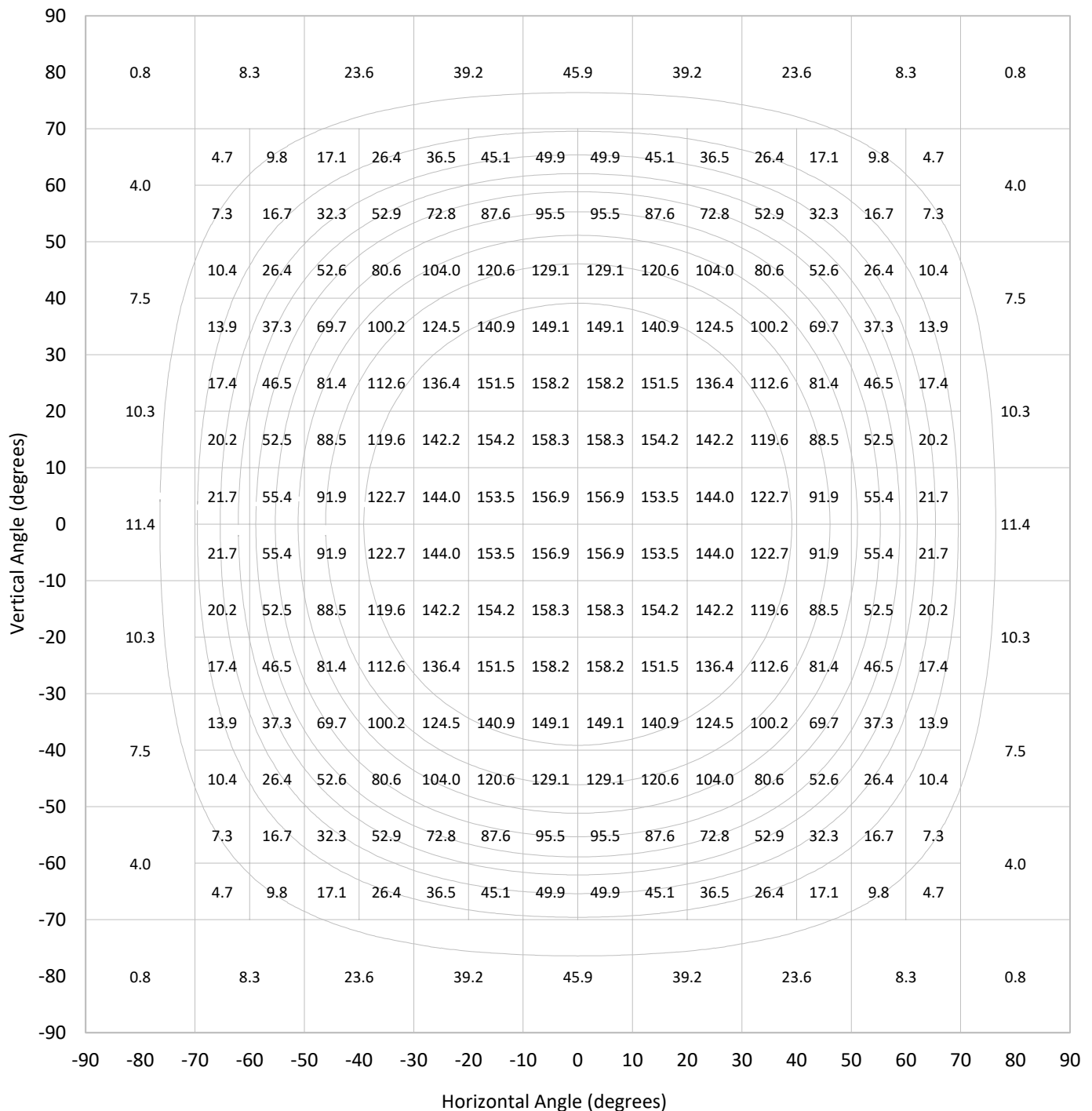
Iso-Candela Plot





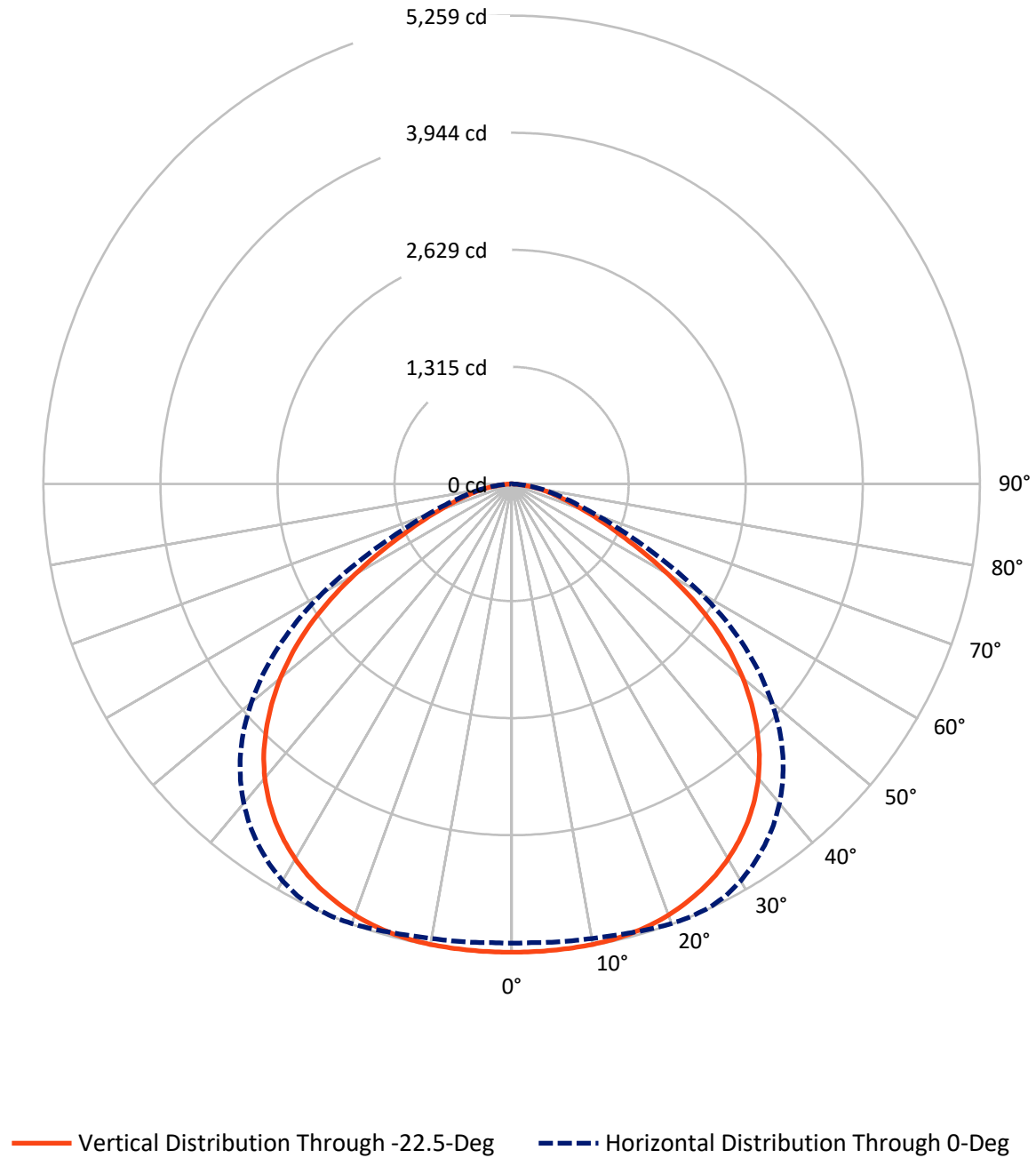
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Lumen Table



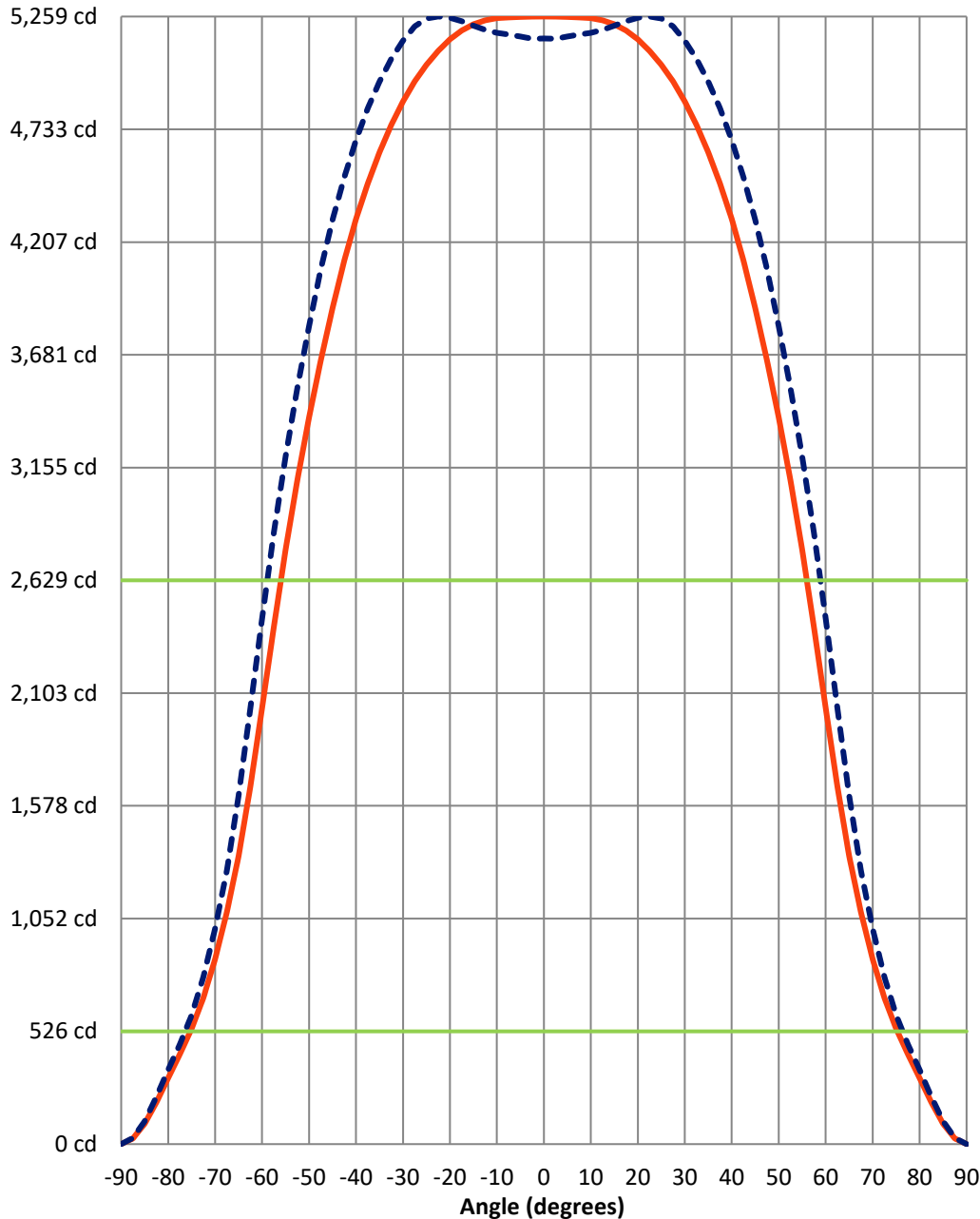
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 13387.6
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 15770.2
 Efficiency: 98.0%

Spill:
 Lumens: 316.4
 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	1.3	2.5	3.8	5.0	6.2	7.5	8.7	9.8	11.0	12.2
85°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.3	19.7	22.0	24.3
82.5°	0.0	3.8	7.5	11.2	15.0	18.6	22.3	25.9	30.6	40.2	49.5
80°	0.0	5.0	10.0	15.0	19.9	24.8	31.2	44.2	57.1	69.8	82.2
77.5°	0.0	6.2	12.5	18.6	24.8	34.6	51.0	67.3	83.4	99.2	118.3
75°	0.0	7.5	14.9	22.3	31.2	51.0	70.7	90.2	110.6	138.2	165.3
72.5°	0.0	8.7	17.3	25.9	44.2	67.3	90.2	115.6	148.1	180.3	211.8
70°	0.0	9.8	19.7	30.6	57.1	83.4	110.6	148.1	185.3	221.9	261.6
67.5°	0.0	11.0	22.0	40.2	69.8	99.2	138.2	180.3	221.9	267.1	311.6
65°	0.0	12.2	24.3	49.5	82.2	118.3	165.3	211.8	261.6	311.6	360.2
62.5°	0.0	13.3	26.6	58.7	94.5	140.5	191.9	245.1	300.5	354.9	406.3
60°	0.0	14.4	28.8	67.6	106.4	162.3	218.0	278.5	338.7	395.7	451.6
57.5°	0.0	15.5	34.6	76.4	123.1	183.5	245.7	311.2	374.6	435.6	499.9
55°	0.0	16.5	40.2	84.9	139.6	204.1	273.0	343.0	409.2	475.8	549.0
52.5°	0.0	17.5	45.7	93.2	155.7	224.5	299.5	372.6	442.9	518.8	596.8
50°	0.0	18.5	51.1	101.1	171.2	245.9	325.1	401.2	476.9	560.5	656.2
47.5°	0.0	19.5	56.2	109.7	186.1	266.5	349.8	428.8	512.7	600.9	715.2
45°	0.0	20.4	61.1	120.5	200.5	286.3	372.5	455.3	547.2	651.7	772.2
42.5°	0.0	21.2	65.8	130.8	214.3	305.4	394.3	482.8	580.4	700.9	839.3
40°	0.0	22.1	70.3	140.6	228.1	323.5	415.1	510.4	615.3	747.9	905.5
37.5°	0.0	22.8	74.6	150.0	241.9	340.7	434.9	536.7	654.9	795.9	968.7
35°	0.0	23.6	78.7	158.8	254.9	356.6	453.6	561.6	692.4	849.5	1033.2
32.5°	0.0	24.3	82.5	167.1	267.2	371.2	471.9	585.0	727.8	900.1	1101.0
30°	0.0	24.9	86.0	174.9	278.6	384.8	490.6	608.6	760.9	947.5	1164.6
27.5°	0.0	25.5	89.3	182.1	289.2	397.5	507.9	635.3	794.7	991.5	1223.8
25°	0.0	26.1	92.3	188.7	298.9	409.2	523.9	660.0	830.5	1037.4	1279.0
22.5°	0.0	26.6	95.1	194.8	307.8	419.8	538.5	682.4	863.2	1081.9	1343.6
20°	0.0	27.1	97.5	200.2	315.8	429.4	551.6	702.7	892.7	1122.1	1401.9
17.5°	0.0	27.5	99.7	205.0	322.9	437.9	563.3	720.7	918.9	1157.8	1453.7
15°	0.0	27.8	101.7	209.2	329.1	445.3	573.4	736.3	941.7	1188.9	1499.0
12.5°	0.0	28.1	103.3	212.8	334.4	451.6	582.0	749.7	961.2	1215.4	1537.5
10°	0.0	28.4	104.6	215.7	338.7	456.8	589.1	760.6	977.2	1237.2	1569.2
7.5°	0.0	28.6	105.7	218.0	342.1	460.8	594.7	769.2	989.6	1254.2	1593.9
5°	0.0	28.7	106.4	219.6	344.5	463.7	598.6	775.3	998.5	1266.3	1611.7
2.5°	0.0	28.8	106.9	220.6	345.9	465.4	601.0	779.0	1003.9	1273.7	1622.3
0°	0.0	28.8	107.0	220.9	346.4	466.0	601.8	780.2	1005.7	1276.1	1625.9
-2.5°	0.0	28.8	106.9	220.6	345.9	465.4	601.0	779.0	1003.9	1273.7	1622.3
-5°	0.0	28.7	106.4	219.6	344.5	463.7	598.6	775.3	998.5	1266.3	1611.7
-7.5°	0.0	28.6	105.7	218.0	342.1	460.8	594.7	769.2	989.6	1254.2	1593.9
-10°	0.0	28.4	104.6	215.7	338.7	456.8	589.1	760.6	977.2	1237.2	1569.2
-12.5°	0.0	28.1	103.3	212.8	334.4	451.6	582.0	749.7	961.2	1215.4	1537.5
-15°	0.0	27.8	101.7	209.2	329.1	445.3	573.4	736.3	941.7	1188.9	1499.0
-17.5°	0.0	27.5	99.7	205.0	322.9	437.9	563.3	720.7	918.9	1157.8	1453.7
-20°	0.0	27.1	97.5	200.2	315.8	429.4	551.6	702.7	892.7	1122.1	1401.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	26.6	95.1	194.8	307.8	419.8	538.5	682.4	863.2	1081.9	1343.6
-25°	0.0	26.1	92.3	188.7	298.9	409.2	523.9	660.0	830.5	1037.4	1279.0
-27.5°	0.0	25.5	89.3	182.1	289.2	397.5	507.9	635.3	794.7	991.5	1223.8
-30°	0.0	24.9	86.0	174.9	278.6	384.8	490.6	608.6	760.9	947.5	1164.6
-32.5°	0.0	24.3	82.5	167.1	267.2	371.2	471.9	585.0	727.8	900.1	1101.0
-35°	0.0	23.6	78.7	158.8	254.9	356.6	453.6	561.6	692.4	849.5	1033.2
-37.5°	0.0	22.8	74.6	150.0	241.9	340.7	434.9	536.7	654.9	795.9	968.7
-40°	0.0	22.1	70.3	140.6	228.1	323.5	415.1	510.4	615.3	747.9	905.5
-42.5°	0.0	21.2	65.8	130.8	214.3	305.4	394.3	482.8	580.4	700.9	839.3
-45°	0.0	20.4	61.1	120.5	200.5	286.3	372.5	455.3	547.2	651.7	772.2
-47.5°	0.0	19.5	56.2	109.7	186.1	266.5	349.8	428.8	512.7	600.9	715.2
-50°	0.0	18.5	51.1	101.1	171.2	245.9	325.1	401.2	476.9	560.5	656.2
-52.5°	0.0	17.5	45.7	93.2	155.7	224.5	299.5	372.6	442.9	518.8	596.8
-55°	0.0	16.5	40.2	84.9	139.6	204.1	273.0	343.0	409.2	475.8	549.0
-57.5°	0.0	15.5	34.6	76.4	123.1	183.5	245.7	311.2	374.6	435.6	499.9
-60°	0.0	14.4	28.8	67.6	106.4	162.3	218.0	278.5	338.7	395.7	451.6
-62.5°	0.0	13.3	26.6	58.7	94.5	140.5	191.9	245.1	300.5	354.9	406.3
-65°	0.0	12.2	24.3	49.5	82.2	118.3	165.3	211.8	261.6	311.6	360.2
-67.5°	0.0	11.0	22.0	40.2	69.8	99.2	138.2	180.3	221.9	267.1	311.6
-70°	0.0	9.8	19.7	30.6	57.1	83.4	110.6	148.1	185.3	221.9	261.6
-72.5°	0.0	8.7	17.3	25.9	44.2	67.3	90.2	115.6	148.1	180.3	211.8
-75°	0.0	7.5	14.9	22.3	31.2	51.0	70.7	90.2	110.6	138.2	165.3
-77.5°	0.0	6.2	12.5	18.6	24.8	34.6	51.0	67.3	83.4	99.2	118.3
-80°	0.0	5.0	10.0	15.0	19.9	24.8	31.2	44.2	57.1	69.8	82.2
-82.5°	0.0	3.8	7.5	11.2	15.0	18.6	22.3	25.9	30.6	40.2	49.5
-85°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.3	19.7	22.0	24.3
-87.5°	0.0	1.3	2.5	3.8	5.0	6.2	7.5	8.7	9.8	11.0	12.2
-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: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	13.3	14.4	15.5	16.5	17.5	18.5	19.5	20.4	21.2	22.1	22.8
85°	26.6	28.8	34.6	40.2	45.7	51.1	56.2	61.1	65.8	70.3	74.6
82.5°	58.7	67.6	76.4	84.9	93.2	101.1	109.7	120.5	130.8	140.6	150.0
80°	94.5	106.4	123.1	139.6	155.7	171.2	186.1	200.5	214.3	228.1	241.9
77.5°	140.5	162.3	183.5	204.1	224.5	245.9	266.5	286.3	305.4	323.5	340.7
75°	191.9	218.0	245.7	273.0	299.5	325.1	349.8	372.5	394.3	415.1	434.9
72.5°	245.1	278.5	311.2	343.0	372.6	401.2	428.8	455.3	482.8	510.4	536.7
70°	300.5	338.7	374.6	409.2	442.9	476.9	512.7	547.2	580.4	615.3	654.9
67.5°	354.9	395.7	435.6	475.8	518.8	560.5	600.9	651.7	700.9	747.9	795.9
65°	406.3	451.6	499.9	549.0	596.8	656.2	715.2	772.2	839.3	905.5	968.7
62.5°	456.9	512.1	567.3	627.3	696.4	763.5	841.3	920.6	997.0	1083.0	1166.8
60°	512.1	573.4	643.5	720.7	800.1	892.7	982.5	1081.9	1182.2	1279.0	1397.9
57.5°	567.3	643.5	728.8	820.8	923.8	1027.8	1144.6	1257.6	1393.2	1528.7	1663.4
55°	627.3	720.7	820.8	934.2	1052.9	1182.5	1318.0	1475.8	1628.6	1798.9	1961.9
52.5°	696.4	800.1	923.8	1052.9	1195.2	1351.1	1525.8	1706.6	1897.0	2081.8	2263.2
50°	763.5	892.7	1027.8	1182.5	1351.1	1542.6	1745.9	1956.4	2164.2	2367.0	2556.9
47.5°	841.3	982.5	1144.6	1318.0	1525.8	1745.9	1976.3	2205.7	2429.9	2637.9	2837.1
45°	920.6	1081.9	1257.6	1475.8	1706.6	1956.4	2205.7	2451.0	2678.7	2893.6	3081.6
42.5°	997.0	1182.2	1393.2	1628.6	1897.0	2164.2	2429.9	2678.7	2912.0	3119.0	3307.8
40°	1083.0	1279.0	1528.7	1798.9	2081.8	2367.0	2637.9	2893.6	3119.0	3325.1	3516.3
37.5°	1166.8	1397.9	1663.4	1961.9	2263.2	2556.9	2837.1	3081.6	3307.8	3516.3	3699.8
35°	1246.3	1510.9	1806.6	2120.0	2436.2	2734.8	3007.5	3256.5	3481.3	3683.6	3871.2
32.5°	1334.8	1617.7	1942.1	2271.8	2593.9	2897.9	3168.3	3411.8	3635.3	3840.8	4027.0
30°	1426.0	1733.0	2070.7	2414.8	2742.0	3039.4	3309.3	3555.9	3777.6	3980.5	4163.1
27.5°	1510.9	1841.6	2193.5	2544.2	2877.2	3172.0	3438.3	3681.1	3904.1	4108.4	4285.3
25°	1589.4	1942.1	2307.0	2662.6	2991.1	3286.5	3555.2	3797.9	4019.6	4215.6	4387.6
22.5°	1666.8	2034.2	2411.1	2771.3	3095.7	3388.9	3655.2	3898.5	4120.3	4314.5	4479.5
20°	1742.1	2120.0	2503.0	2867.6	3190.7	3482.0	3746.3	3989.1	4205.0	4393.0	4557.3
17.5°	1809.2	2196.4	2583.3	2945.5	3268.7	3561.5	3826.8	4070.4	4281.1	4463.7	4624.4
15°	1867.7	2263.2	2653.5	3013.6	3335.9	3627.5	3892.8	4133.7	4343.0	4524.1	4683.7
12.5°	1917.6	2320.1	2713.5	3071.8	3393.3	3684.0	3949.4	4186.9	4392.7	4571.5	4727.6
10°	1958.6	2367.0	2762.9	3119.7	3440.6	3730.6	3996.1	4231.0	4433.9	4610.8	4764.1
7.5°	1990.7	2403.6	2801.5	3157.2	3477.7	3767.2	4032.8	4265.6	4466.3	4641.8	4793.0
5°	2013.7	2429.9	2829.2	3184.2	3504.3	3793.5	4059.2	4290.5	4489.6	4664.2	4813.8
2.5°	2027.5	2445.7	2845.8	3200.4	3520.3	3809.3	4075.1	4305.5	4503.7	4677.7	4826.4
0°	2032.1	2451.0	2851.4	3205.8	3525.7	3814.6	4080.4	4310.5	4508.4	4682.2	4830.6
-2.5°	2027.5	2445.7	2845.8	3200.4	3520.3	3809.3	4075.1	4305.5	4503.7	4677.7	4826.4
-5°	2013.7	2429.9	2829.2	3184.2	3504.3	3793.5	4059.2	4290.5	4489.6	4664.2	4813.8
-7.5°	1990.7	2403.6	2801.5	3157.2	3477.7	3767.2	4032.8	4265.6	4466.3	4641.8	4793.0
-10°	1958.6	2367.0	2762.9	3119.7	3440.6	3730.6	3996.1	4231.0	4433.9	4610.8	4764.1
-12.5°	1917.6	2320.1	2713.5	3071.8	3393.3	3684.0	3949.4	4186.9	4392.7	4571.5	4727.6
-15°	1867.7	2263.2	2653.5	3013.6	3335.9	3627.5	3892.8	4133.7	4343.0	4524.1	4683.7
-17.5°	1809.2	2196.4	2583.3	2945.5	3268.7	3561.5	3826.8	4070.4	4281.1	4463.7	4624.4
-20°	1742.1	2120.0	2503.0	2867.6	3190.7	3482.0	3746.3	3989.1	4205.0	4393.0	4557.3



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 CATALOG NUMBER: GFLD-SA3D-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°	1666.8	2034.2	2411.1	2771.3	3095.7	3388.9	3655.2	3898.5	4120.3	4314.5	4479.5
-25°	1589.4	1942.1	2307.0	2662.6	2991.1	3286.5	3555.2	3797.9	4019.6	4215.6	4387.6
-27.5°	1510.9	1841.6	2193.5	2544.2	2877.2	3172.0	3438.3	3681.1	3904.1	4108.4	4285.3
-30°	1426.0	1733.0	2070.7	2414.8	2742.0	3039.4	3309.3	3555.9	3777.6	3980.5	4163.1
-32.5°	1334.8	1617.7	1942.1	2271.8	2593.9	2897.9	3168.3	3411.8	3635.3	3840.8	4027.0
-35°	1246.3	1510.9	1806.6	2120.0	2436.2	2734.8	3007.5	3256.5	3481.3	3683.6	3871.2
-37.5°	1166.8	1397.9	1663.4	1961.9	2263.2	2556.9	2837.1	3081.6	3307.8	3516.3	3699.8
-40°	1083.0	1279.0	1528.7	1798.9	2081.8	2367.0	2637.9	2893.6	3119.0	3325.1	3516.3
-42.5°	997.0	1182.2	1393.2	1628.6	1897.0	2164.2	2429.9	2678.7	2912.0	3119.0	3307.8
-45°	920.6	1081.9	1257.6	1475.8	1706.6	1956.4	2205.7	2451.0	2678.7	2893.6	3081.6
-47.5°	841.3	982.5	1144.6	1318.0	1525.8	1745.9	1976.3	2205.7	2429.9	2637.9	2837.1
-50°	763.5	892.7	1027.8	1182.5	1351.1	1542.6	1745.9	1956.4	2164.2	2367.0	2556.9
-52.5°	696.4	800.1	923.8	1052.9	1195.2	1351.1	1525.8	1706.6	1897.0	2081.8	2263.2
-55°	627.3	720.7	820.8	934.2	1052.9	1182.5	1318.0	1475.8	1628.6	1798.9	1961.9
-57.5°	567.3	643.5	728.8	820.8	923.8	1027.8	1144.6	1257.6	1393.2	1528.7	1663.4
-60°	512.1	573.4	643.5	720.7	800.1	892.7	982.5	1081.9	1182.2	1279.0	1397.9
-62.5°	456.9	512.1	567.3	627.3	696.4	763.5	841.3	920.6	997.0	1083.0	1166.8
-65°	406.3	451.6	499.9	549.0	596.8	656.2	715.2	772.2	839.3	905.5	968.7
-67.5°	354.9	395.7	435.6	475.8	518.8	560.5	600.9	651.7	700.9	747.9	795.9
-70°	300.5	338.7	374.6	409.2	442.9	476.9	512.7	547.2	580.4	615.3	654.9
-72.5°	245.1	278.5	311.2	343.0	372.6	401.2	428.8	455.3	482.8	510.4	536.7
-75°	191.9	218.0	245.7	273.0	299.5	325.1	349.8	372.5	394.3	415.1	434.9
-77.5°	140.5	162.3	183.5	204.1	224.5	245.9	266.5	286.3	305.4	323.5	340.7
-80°	94.5	106.4	123.1	139.6	155.7	171.2	186.1	200.5	214.3	228.1	241.9
-82.5°	58.7	67.6	76.4	84.9	93.2	101.1	109.7	120.5	130.8	140.6	150.0
-85°	26.6	28.8	34.6	40.2	45.7	51.1	56.2	61.1	65.8	70.3	74.6
-87.5°	13.3	14.4	15.5	16.5	17.5	18.5	19.5	20.4	21.2	22.1	22.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	23.6	24.3	24.9	25.5	26.1	26.6	27.1	27.5	27.8	28.1	28.4
85°	78.7	82.5	86.0	89.3	92.3	95.1	97.5	99.7	101.7	103.3	104.6
82.5°	158.8	167.1	174.9	182.1	188.7	194.8	200.2	205.0	209.2	212.8	215.7
80°	254.9	267.2	278.6	289.2	298.9	307.8	315.8	322.9	329.1	334.4	338.7
77.5°	356.6	371.2	384.8	397.5	409.2	419.8	429.4	437.9	445.3	451.6	456.8
75°	453.6	471.9	490.6	507.9	523.9	538.5	551.6	563.3	573.4	582.0	589.1
72.5°	561.6	585.0	608.6	635.3	660.0	682.4	702.7	720.7	736.3	749.7	760.6
70°	692.4	727.8	760.9	794.7	830.5	863.2	892.7	918.9	941.7	961.2	977.2
67.5°	849.5	900.1	947.5	991.5	1037.4	1081.9	1122.1	1157.8	1188.9	1215.4	1237.2
65°	1033.2	1101.0	1164.6	1223.8	1279.0	1343.6	1401.9	1453.7	1499.0	1537.5	1569.2
62.5°	1246.3	1334.8	1426.0	1510.9	1589.4	1666.8	1742.1	1809.2	1867.7	1917.6	1958.6
60°	1510.9	1617.7	1733.0	1841.6	1942.1	2034.2	2120.0	2196.4	2263.2	2320.1	2367.0
57.5°	1806.6	1942.1	2070.7	2193.5	2307.0	2411.1	2503.0	2583.3	2653.5	2713.5	2762.9
55°	2120.0	2271.8	2414.8	2544.2	2662.6	2771.3	2867.6	2945.5	3013.6	3071.8	3119.7
52.5°	2436.2	2593.9	2742.0	2877.2	2991.1	3095.7	3190.7	3268.7	3335.9	3393.3	3440.6
50°	2734.8	2897.9	3039.4	3172.0	3286.5	3388.9	3482.0	3561.5	3627.5	3684.0	3730.6
47.5°	3007.5	3168.3	3309.3	3438.3	3555.2	3655.2	3746.3	3826.8	3892.8	3949.4	3996.1
45°	3256.5	3411.8	3555.9	3681.1	3797.9	3898.5	3989.1	4070.4	4133.7	4186.9	4231.0
42.5°	3481.3	3635.3	3777.6	3904.1	4019.6	4120.3	4205.0	4281.1	4343.0	4392.7	4433.9
40°	3683.6	3840.8	3980.5	4108.4	4215.6	4314.5	4393.0	4463.7	4524.1	4571.5	4610.8
37.5°	3871.2	4027.0	4163.1	4285.3	4387.6	4479.5	4557.3	4624.4	4683.7	4727.6	4764.1
35°	4042.7	4190.7	4325.3	4437.3	4538.8	4625.4	4701.9	4763.8	4818.8	4860.7	4894.0
32.5°	4190.7	4337.5	4462.5	4572.8	4671.9	4752.6	4826.0	4882.7	4932.7	4973.0	5004.0
30°	4325.3	4462.5	4584.2	4693.5	4783.7	4862.4	4928.5	4983.9	5030.0	5068.5	5095.7
27.5°	4437.3	4572.8	4693.5	4794.2	4880.5	4956.3	5016.8	5070.1	5110.4	5145.7	5169.2
25°	4538.8	4671.9	4783.7	4880.5	4964.4	5033.6	5091.2	5139.4	5175.1	5205.4	5222.8
22.5°	4625.4	4752.6	4862.4	4956.3	5033.6	5098.3	5152.5	5193.3	5222.6	5240.9	5251.3
20°	4701.9	4826.0	4928.5	5016.8	5091.2	5152.5	5199.5	5229.8	5250.2	5255.2	5258.2
17.5°	4763.8	4882.7	4983.9	5070.1	5139.4	5193.3	5229.8	5251.1	5257.2	5256.1	5253.1
15°	4818.8	4932.7	5030.0	5110.4	5175.1	5222.6	5250.2	5257.2	5255.4	5249.3	5239.8
12.5°	4860.7	4973.0	5068.5	5145.7	5205.4	5240.9	5255.2	5256.1	5249.3	5237.5	5224.0
10°	4894.0	5004.0	5095.7	5169.2	5222.8	5251.3	5258.2	5253.1	5239.8	5224.0	5209.1
7.5°	4920.4	5028.5	5117.4	5187.9	5234.3	5254.4	5255.9	5246.4	5230.4	5212.5	5196.4
5°	4939.5	5046.4	5133.1	5201.5	5242.7	5256.8	5254.3	5241.2	5222.7	5203.9	5189.2
2.5°	4951.0	5057.2	5142.7	5209.8	5247.8	5258.2	5253.2	5237.9	5217.8	5198.4	5184.4
0°	4954.9	5060.8	5145.9	5212.6	5249.5	5258.7	5252.9	5236.8	5216.1	5196.5	5182.7
-2.5°	4951.0	5057.2	5142.7	5209.8	5247.8	5258.2	5253.2	5237.9	5217.8	5198.4	5184.4
-5°	4939.5	5046.4	5133.1	5201.5	5242.7	5256.8	5254.3	5241.2	5222.7	5203.9	5189.2
-7.5°	4920.4	5028.5	5117.4	5187.9	5234.3	5254.4	5255.9	5246.4	5230.4	5212.5	5196.4
-10°	4894.0	5004.0	5095.7	5169.2	5222.8	5251.3	5258.2	5253.1	5239.8	5224.0	5209.1
-12.5°	4860.7	4973.0	5068.5	5145.7	5205.4	5240.9	5255.2	5256.1	5249.3	5237.5	5224.0
-15°	4818.8	4932.7	5030.0	5110.4	5175.1	5222.6	5250.2	5257.2	5255.4	5249.3	5239.8
-17.5°	4763.8	4882.7	4983.9	5070.1	5139.4	5193.3	5229.8	5251.1	5257.2	5256.1	5253.1
-20°	4701.9	4826.0	4928.5	5016.8	5091.2	5152.5	5199.5	5229.8	5250.2	5255.2	5258.2



REPORT NUMBER: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	4625.4	4752.6	4862.4	4956.3	5033.6	5098.3	5152.5	5193.3	5222.6	5240.9	5251.3
-25°	4538.8	4671.9	4783.7	4880.5	4964.4	5033.6	5091.2	5139.4	5175.1	5205.4	5222.8
-27.5°	4437.3	4572.8	4693.5	4794.2	4880.5	4956.3	5016.8	5070.1	5110.4	5145.7	5169.2
-30°	4325.3	4462.5	4584.2	4693.5	4783.7	4862.4	4928.5	4983.9	5030.0	5068.5	5095.7
-32.5°	4190.7	4337.5	4462.5	4572.8	4671.9	4752.6	4826.0	4882.7	4932.7	4973.0	5004.0
-35°	4042.7	4190.7	4325.3	4437.3	4538.8	4625.4	4701.9	4763.8	4818.8	4860.7	4894.0
-37.5°	3871.2	4027.0	4163.1	4285.3	4387.6	4479.5	4557.3	4624.4	4683.7	4727.6	4764.1
-40°	3683.6	3840.8	3980.5	4108.4	4215.6	4314.5	4393.0	4463.7	4524.1	4571.5	4610.8
-42.5°	3481.3	3635.3	3777.6	3904.1	4019.6	4120.3	4205.0	4281.1	4343.0	4392.7	4433.9
-45°	3256.5	3411.8	3555.9	3681.1	3797.9	3898.5	3989.1	4070.4	4133.7	4186.9	4231.0
-47.5°	3007.5	3168.3	3309.3	3438.3	3555.2	3655.2	3746.3	3826.8	3892.8	3949.4	3996.1
-50°	2734.8	2897.9	3039.4	3172.0	3286.5	3388.9	3482.0	3561.5	3627.5	3684.0	3730.6
-52.5°	2436.2	2593.9	2742.0	2877.2	2991.1	3095.7	3190.7	3268.7	3335.9	3393.3	3440.6
-55°	2120.0	2271.8	2414.8	2544.2	2662.6	2771.3	2867.6	2945.5	3013.6	3071.8	3119.7
-57.5°	1806.6	1942.1	2070.7	2193.5	2307.0	2411.1	2503.0	2583.3	2653.5	2713.5	2762.9
-60°	1510.9	1617.7	1733.0	1841.6	1942.1	2034.2	2120.0	2196.4	2263.2	2320.1	2367.0
-62.5°	1246.3	1334.8	1426.0	1510.9	1589.4	1666.8	1742.1	1809.2	1867.7	1917.6	1958.6
-65°	1033.2	1101.0	1164.6	1223.8	1279.0	1343.6	1401.9	1453.7	1499.0	1537.5	1569.2
-67.5°	849.5	900.1	947.5	991.5	1037.4	1081.9	1122.1	1157.8	1188.9	1215.4	1237.2
-70°	692.4	727.8	760.9	794.7	830.5	863.2	892.7	918.9	941.7	961.2	977.2
-72.5°	561.6	585.0	608.6	635.3	660.0	682.4	702.7	720.7	736.3	749.7	760.6
-75°	453.6	471.9	490.6	507.9	523.9	538.5	551.6	563.3	573.4	582.0	589.1
-77.5°	356.6	371.2	384.8	397.5	409.2	419.8	429.4	437.9	445.3	451.6	456.8
-80°	254.9	267.2	278.6	289.2	298.9	307.8	315.8	322.9	329.1	334.4	338.7
-82.5°	158.8	167.1	174.9	182.1	188.7	194.8	200.2	205.0	209.2	212.8	215.7
-85°	78.7	82.5	86.0	89.3	92.3	95.1	97.5	99.7	101.7	103.3	104.6
-87.5°	23.6	24.3	24.9	25.5	26.1	26.6	27.1	27.5	27.8	28.1	28.4
-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: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	28.6	28.7	28.8	28.8	28.8	28.7	28.6	28.4	28.1	27.8	27.5
85°	105.7	106.4	106.9	107.0	106.9	106.4	105.7	104.6	103.3	101.7	99.7
82.5°	218.0	219.6	220.6	220.9	220.6	219.6	218.0	215.7	212.8	209.2	205.0
80°	342.1	344.5	345.9	346.4	345.9	344.5	342.1	338.7	334.4	329.1	322.9
77.5°	460.8	463.7	465.4	466.0	465.4	463.7	460.8	456.8	451.6	445.3	437.9
75°	594.7	598.6	601.0	601.8	601.0	598.6	594.7	589.1	582.0	573.4	563.3
72.5°	769.2	775.3	779.0	780.2	779.0	775.3	769.2	760.6	749.7	736.3	720.7
70°	989.6	998.5	1003.9	1005.7	1003.9	998.5	989.6	977.2	961.2	941.7	918.9
67.5°	1254.2	1266.3	1273.7	1276.1	1273.7	1266.3	1254.2	1237.2	1215.4	1188.9	1157.8
65°	1593.9	1611.7	1622.3	1625.9	1622.3	1611.7	1593.9	1569.2	1537.5	1499.0	1453.7
62.5°	1990.7	2013.7	2027.5	2032.1	2027.5	2013.7	1990.7	1958.6	1917.6	1867.7	1809.2
60°	2403.6	2429.9	2445.7	2451.0	2445.7	2429.9	2403.6	2367.0	2320.1	2263.2	2196.4
57.5°	2801.5	2829.2	2845.8	2851.4	2845.8	2829.2	2801.5	2762.9	2713.5	2653.5	2583.3
55°	3157.2	3184.2	3200.4	3205.8	3200.4	3184.2	3157.2	3119.7	3071.8	3013.6	2945.5
52.5°	3477.7	3504.3	3520.3	3525.7	3520.3	3504.3	3477.7	3440.6	3393.3	3335.9	3268.7
50°	3767.2	3793.5	3809.3	3814.6	3809.3	3793.5	3767.2	3730.6	3684.0	3627.5	3561.5
47.5°	4032.8	4059.2	4075.1	4080.4	4075.1	4059.2	4032.8	3996.1	3949.4	3892.8	3826.8
45°	4265.6	4290.5	4305.5	4310.5	4305.5	4290.5	4265.6	4231.0	4186.9	4133.7	4070.4
42.5°	4466.3	4489.6	4503.7	4508.4	4503.7	4489.6	4466.3	4433.9	4392.7	4343.0	4281.1
40°	4641.8	4664.2	4677.7	4682.2	4677.7	4664.2	4641.8	4610.8	4571.5	4524.1	4463.7
37.5°	4793.0	4813.8	4826.4	4830.6	4826.4	4813.8	4793.0	4764.1	4727.6	4683.7	4624.4
35°	4920.4	4939.5	4951.0	4954.9	4951.0	4939.5	4920.4	4894.0	4860.7	4818.8	4763.8
32.5°	5028.5	5046.4	5057.2	5060.8	5057.2	5046.4	5028.5	5004.0	4973.0	4932.7	4882.7
30°	5117.4	5133.1	5142.7	5145.9	5142.7	5133.1	5117.4	5095.7	5068.5	5030.0	4983.9
27.5°	5187.9	5201.5	5209.8	5212.6	5209.8	5201.5	5187.9	5169.2	5145.7	5110.4	5070.1
25°	5234.3	5242.7	5247.8	5249.5	5247.8	5242.7	5234.3	5222.8	5205.4	5175.1	5139.4
22.5°	5254.4	5256.8	5258.2	5258.7	5258.2	5256.8	5254.4	5251.3	5240.9	5222.6	5193.3
20°	5255.9	5254.3	5253.2	5252.9	5253.2	5254.3	5255.9	5258.2	5255.2	5250.2	5229.8
17.5°	5246.4	5241.2	5237.9	5236.8	5237.9	5241.2	5246.4	5253.1	5256.1	5257.2	5251.1
15°	5230.4	5222.7	5217.8	5216.1	5217.8	5222.7	5230.4	5239.8	5249.3	5255.4	5257.2
12.5°	5212.5	5203.9	5198.4	5196.5	5198.4	5203.9	5212.5	5224.0	5237.5	5249.3	5256.1
10°	5196.4	5189.2	5184.4	5182.7	5184.4	5189.2	5196.4	5209.1	5224.0	5239.8	5253.1
7.5°	5186.0	5179.5	5176.0	5174.7	5176.0	5179.5	5186.0	5196.4	5212.5	5230.4	5246.4
5°	5179.5	5173.1	5167.7	5165.5	5167.7	5173.1	5179.5	5189.2	5203.9	5222.7	5241.2
2.5°	5176.0	5167.7	5159.4	5155.1	5159.4	5167.7	5176.0	5184.4	5198.4	5217.8	5237.9
0°	5174.7	5165.5	5155.1	5156.3	5155.1	5165.5	5174.7	5182.7	5196.5	5216.1	5236.8
-2.5°	5176.0	5167.7	5159.4	5155.1	5159.4	5167.7	5176.0	5184.4	5198.4	5217.8	5237.9
-5°	5179.5	5173.1	5167.7	5165.5	5167.7	5173.1	5179.5	5189.2	5203.9	5222.7	5241.2
-7.5°	5186.0	5179.5	5176.0	5174.7	5176.0	5179.5	5186.0	5196.4	5212.5	5230.4	5246.4
-10°	5196.4	5189.2	5184.4	5182.7	5184.4	5189.2	5196.4	5209.1	5224.0	5239.8	5253.1
-12.5°	5212.5	5203.9	5198.4	5196.5	5198.4	5203.9	5212.5	5224.0	5237.5	5249.3	5256.1
-15°	5230.4	5222.7	5217.8	5216.1	5217.8	5222.7	5230.4	5239.8	5249.3	5255.4	5257.2
-17.5°	5246.4	5241.2	5237.9	5236.8	5237.9	5241.2	5246.4	5253.1	5256.1	5257.2	5251.1
-20°	5255.9	5254.3	5253.2	5252.9	5253.2	5254.3	5255.9	5258.2	5255.2	5250.2	5229.8



REPORT NUMBER: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	5254.4	5256.8	5258.2	5258.7	5258.2	5256.8	5254.4	5251.3	5240.9	5222.6	5193.3
-25°	5234.3	5242.7	5247.8	5249.5	5247.8	5242.7	5234.3	5222.8	5205.4	5175.1	5139.4
-27.5°	5187.9	5201.5	5209.8	5212.6	5209.8	5201.5	5187.9	5169.2	5145.7	5110.4	5070.1
-30°	5117.4	5133.1	5142.7	5145.9	5142.7	5133.1	5117.4	5095.7	5068.5	5030.0	4983.9
-32.5°	5028.5	5046.4	5057.2	5060.8	5057.2	5046.4	5028.5	5004.0	4973.0	4932.7	4882.7
-35°	4920.4	4939.5	4951.0	4954.9	4951.0	4939.5	4920.4	4894.0	4860.7	4818.8	4763.8
-37.5°	4793.0	4813.8	4826.4	4830.6	4826.4	4813.8	4793.0	4764.1	4727.6	4683.7	4624.4
-40°	4641.8	4664.2	4677.7	4682.2	4677.7	4664.2	4641.8	4610.8	4571.5	4524.1	4463.7
-42.5°	4466.3	4489.6	4503.7	4508.4	4503.7	4489.6	4466.3	4433.9	4392.7	4343.0	4281.1
-45°	4265.6	4290.5	4305.5	4310.5	4305.5	4290.5	4265.6	4231.0	4186.9	4133.7	4070.4
-47.5°	4032.8	4059.2	4075.1	4080.4	4075.1	4059.2	4032.8	3996.1	3949.4	3892.8	3826.8
-50°	3767.2	3793.5	3809.3	3814.6	3809.3	3793.5	3767.2	3730.6	3684.0	3627.5	3561.5
-52.5°	3477.7	3504.3	3520.3	3525.7	3520.3	3504.3	3477.7	3440.6	3393.3	3335.9	3268.7
-55°	3157.2	3184.2	3200.4	3205.8	3200.4	3184.2	3157.2	3119.7	3071.8	3013.6	2945.5
-57.5°	2801.5	2829.2	2845.8	2851.4	2845.8	2829.2	2801.5	2762.9	2713.5	2653.5	2583.3
-60°	2403.6	2429.9	2445.7	2451.0	2445.7	2429.9	2403.6	2367.0	2320.1	2263.2	2196.4
-62.5°	1990.7	2013.7	2027.5	2032.1	2027.5	2013.7	1990.7	1958.6	1917.6	1867.7	1809.2
-65°	1593.9	1611.7	1622.3	1625.9	1622.3	1611.7	1593.9	1569.2	1537.5	1499.0	1453.7
-67.5°	1254.2	1266.3	1273.7	1276.1	1273.7	1266.3	1254.2	1237.2	1215.4	1188.9	1157.8
-70°	989.6	998.5	1003.9	1005.7	1003.9	998.5	989.6	977.2	961.2	941.7	918.9
-72.5°	769.2	775.3	779.0	780.2	779.0	775.3	769.2	760.6	749.7	736.3	720.7
-75°	594.7	598.6	601.0	601.8	601.0	598.6	594.7	589.1	582.0	573.4	563.3
-77.5°	460.8	463.7	465.4	466.0	465.4	463.7	460.8	456.8	451.6	445.3	437.9
-80°	342.1	344.5	345.9	346.4	345.9	344.5	342.1	338.7	334.4	329.1	322.9
-82.5°	218.0	219.6	220.6	220.9	220.6	219.6	218.0	215.7	212.8	209.2	205.0
-85°	105.7	106.4	106.9	107.0	106.9	106.4	105.7	104.6	103.3	101.7	99.7
-87.5°	28.6	28.7	28.8	28.8	28.8	28.7	28.6	28.4	28.1	27.8	27.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3D-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°	27.1	26.6	26.1	25.5	24.9	24.3	23.6	22.8	22.1	21.2	20.4
85°	97.5	95.1	92.3	89.3	86.0	82.5	78.7	74.6	70.3	65.8	61.1
82.5°	200.2	194.8	188.7	182.1	174.9	167.1	158.8	150.0	140.6	130.8	120.5
80°	315.8	307.8	298.9	289.2	278.6	267.2	254.9	241.9	228.1	214.3	200.5
77.5°	429.4	419.8	409.2	397.5	384.8	371.2	356.6	340.7	323.5	305.4	286.3
75°	551.6	538.5	523.9	507.9	490.6	471.9	453.6	434.9	415.1	394.3	372.5
72.5°	702.7	682.4	660.0	635.3	608.6	585.0	561.6	536.7	510.4	482.8	455.3
70°	892.7	863.2	830.5	794.7	760.9	727.8	692.4	654.9	615.3	580.4	547.2
67.5°	1122.1	1081.9	1037.4	991.5	947.5	900.1	849.5	795.9	747.9	700.9	651.7
65°	1401.9	1343.6	1279.0	1223.8	1164.6	1101.0	1033.2	968.7	905.5	839.3	772.2
62.5°	1742.1	1666.8	1589.4	1510.9	1426.0	1334.8	1246.3	1166.8	1083.0	997.0	920.6
60°	2120.0	2034.2	1942.1	1841.6	1733.0	1617.7	1510.9	1397.9	1279.0	1182.2	1081.9
57.5°	2503.0	2411.1	2307.0	2193.5	2070.7	1942.1	1806.6	1663.4	1528.7	1393.2	1257.6
55°	2867.6	2771.3	2662.6	2544.2	2414.8	2271.8	2120.0	1961.9	1798.9	1628.6	1475.8
52.5°	3190.7	3095.7	2991.1	2877.2	2742.0	2593.9	2436.2	2263.2	2081.8	1897.0	1706.6
50°	3482.0	3388.9	3286.5	3172.0	3039.4	2897.9	2734.8	2556.9	2367.0	2164.2	1956.4
47.5°	3746.3	3655.2	3555.2	3438.3	3309.3	3168.3	3007.5	2837.1	2637.9	2429.9	2205.7
45°	3989.1	3898.5	3797.9	3681.1	3555.9	3411.8	3256.5	3081.6	2893.6	2678.7	2451.0
42.5°	4205.0	4120.3	4019.6	3904.1	3777.6	3635.3	3481.3	3307.8	3119.0	2912.0	2678.7
40°	4393.0	4314.5	4215.6	4108.4	3980.5	3840.8	3683.6	3516.3	3325.1	3119.0	2893.6
37.5°	4557.3	4479.5	4387.6	4285.3	4163.1	4027.0	3871.2	3699.8	3516.3	3307.8	3081.6
35°	4701.9	4625.4	4538.8	4437.3	4325.3	4190.7	4042.7	3871.2	3683.6	3481.3	3256.5
32.5°	4826.0	4752.6	4671.9	4572.8	4462.5	4337.5	4190.7	4027.0	3840.8	3635.3	3411.8
30°	4928.5	4862.4	4783.7	4693.5	4584.2	4462.5	4325.3	4163.1	3980.5	3777.6	3555.9
27.5°	5016.8	4956.3	4880.5	4794.2	4693.5	4572.8	4437.3	4285.3	4108.4	3904.1	3681.1
25°	5091.2	5033.6	4964.4	4880.5	4783.7	4671.9	4538.8	4387.6	4215.6	4019.6	3797.9
22.5°	5152.5	5098.3	5033.6	4956.3	4862.4	4752.6	4625.4	4479.5	4314.5	4120.3	3898.5
20°	5199.5	5152.5	5091.2	5016.8	4928.5	4826.0	4701.9	4557.3	4393.0	4205.0	3989.1
17.5°	5229.8	5193.3	5139.4	5070.1	4983.9	4882.7	4763.8	4624.4	4463.7	4281.1	4070.4
15°	5250.2	5222.6	5175.1	5110.4	5030.0	4932.7	4818.8	4683.7	4524.1	4343.0	4133.7
12.5°	5255.2	5240.9	5205.4	5145.7	5068.5	4973.0	4860.7	4727.6	4571.5	4392.7	4186.9
10°	5258.2	5251.3	5222.8	5169.2	5095.7	5004.0	4894.0	4764.1	4610.8	4433.9	4231.0
7.5°	5255.9	5254.4	5234.3	5187.9	5117.4	5028.5	4920.4	4793.0	4641.8	4466.3	4265.6
5°	5254.3	5256.8	5242.7	5201.5	5133.1	5046.4	4939.5	4813.8	4664.2	4489.6	4290.5
2.5°	5253.2	5258.2	5247.8	5209.8	5142.7	5057.2	4951.0	4826.4	4677.7	4503.7	4305.5
0°	5252.9	5258.7	5249.5	5212.6	5145.9	5060.8	4954.9	4830.6	4682.2	4508.4	4310.5
-2.5°	5253.2	5258.2	5247.8	5209.8	5142.7	5057.2	4951.0	4826.4	4677.7	4503.7	4305.5
-5°	5254.3	5256.8	5242.7	5201.5	5133.1	5046.4	4939.5	4813.8	4664.2	4489.6	4290.5
-7.5°	5255.9	5254.4	5234.3	5187.9	5117.4	5028.5	4920.4	4793.0	4641.8	4466.3	4265.6
-10°	5258.2	5251.3	5222.8	5169.2	5095.7	5004.0	4894.0	4764.1	4610.8	4433.9	4231.0
-12.5°	5255.2	5240.9	5205.4	5145.7	5068.5	4973.0	4860.7	4727.6	4571.5	4392.7	4186.9
-15°	5250.2	5222.6	5175.1	5110.4	5030.0	4932.7	4818.8	4683.7	4524.1	4343.0	4133.7
-17.5°	5229.8	5193.3	5139.4	5070.1	4983.9	4882.7	4763.8	4624.4	4463.7	4281.1	4070.4
-20°	5199.5	5152.5	5091.2	5016.8	4928.5	4826.0	4701.9	4557.3	4393.0	4205.0	3989.1



REPORT NUMBER: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	5152.5	5098.3	5033.6	4956.3	4862.4	4752.6	4625.4	4479.5	4314.5	4120.3	3898.5
-25°	5091.2	5033.6	4964.4	4880.5	4783.7	4671.9	4538.8	4387.6	4215.6	4019.6	3797.9
-27.5°	5016.8	4956.3	4880.5	4794.2	4693.5	4572.8	4437.3	4285.3	4108.4	3904.1	3681.1
-30°	4928.5	4862.4	4783.7	4693.5	4584.2	4462.5	4325.3	4163.1	3980.5	3777.6	3555.9
-32.5°	4826.0	4752.6	4671.9	4572.8	4462.5	4337.5	4190.7	4027.0	3840.8	3635.3	3411.8
-35°	4701.9	4625.4	4538.8	4437.3	4325.3	4190.7	4042.7	3871.2	3683.6	3481.3	3256.5
-37.5°	4557.3	4479.5	4387.6	4285.3	4163.1	4027.0	3871.2	3699.8	3516.3	3307.8	3081.6
-40°	4393.0	4314.5	4215.6	4108.4	3980.5	3840.8	3683.6	3516.3	3325.1	3119.0	2893.6
-42.5°	4205.0	4120.3	4019.6	3904.1	3777.6	3635.3	3481.3	3307.8	3119.0	2912.0	2678.7
-45°	3989.1	3898.5	3797.9	3681.1	3555.9	3411.8	3256.5	3081.6	2893.6	2678.7	2451.0
-47.5°	3746.3	3655.2	3555.2	3438.3	3309.3	3168.3	3007.5	2837.1	2637.9	2429.9	2205.7
-50°	3482.0	3388.9	3286.5	3172.0	3039.4	2897.9	2734.8	2556.9	2367.0	2164.2	1956.4
-52.5°	3190.7	3095.7	2991.1	2877.2	2742.0	2593.9	2436.2	2263.2	2081.8	1897.0	1706.6
-55°	2867.6	2771.3	2662.6	2544.2	2414.8	2271.8	2120.0	1961.9	1798.9	1628.6	1475.8
-57.5°	2503.0	2411.1	2307.0	2193.5	2070.7	1942.1	1806.6	1663.4	1528.7	1393.2	1257.6
-60°	2120.0	2034.2	1942.1	1841.6	1733.0	1617.7	1510.9	1397.9	1279.0	1182.2	1081.9
-62.5°	1742.1	1666.8	1589.4	1510.9	1426.0	1334.8	1246.3	1166.8	1083.0	997.0	920.6
-65°	1401.9	1343.6	1279.0	1223.8	1164.6	1101.0	1033.2	968.7	905.5	839.3	772.2
-67.5°	1122.1	1081.9	1037.4	991.5	947.5	900.1	849.5	795.9	747.9	700.9	651.7
-70°	892.7	863.2	830.5	794.7	760.9	727.8	692.4	654.9	615.3	580.4	547.2
-72.5°	702.7	682.4	660.0	635.3	608.6	585.0	561.6	536.7	510.4	482.8	455.3
-75°	551.6	538.5	523.9	507.9	490.6	471.9	453.6	434.9	415.1	394.3	372.5
-77.5°	429.4	419.8	409.2	397.5	384.8	371.2	356.6	340.7	323.5	305.4	286.3
-80°	315.8	307.8	298.9	289.2	278.6	267.2	254.9	241.9	228.1	214.3	200.5
-82.5°	200.2	194.8	188.7	182.1	174.9	167.1	158.8	150.0	140.6	130.8	120.5
-85°	97.5	95.1	92.3	89.3	86.0	82.5	78.7	74.6	70.3	65.8	61.1
-87.5°	27.1	26.6	26.1	25.5	24.9	24.3	23.6	22.8	22.1	21.2	20.4
-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: P645428 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-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°	19.5	18.5	17.5	16.5	15.5	14.4	13.3	12.2	11.0	9.8	8.7
85°	56.2	51.1	45.7	40.2	34.6	28.8	26.6	24.3	22.0	19.7	17.3
82.5°	109.7	101.1	93.2	84.9	76.4	67.6	58.7	49.5	40.2	30.6	25.9
80°	186.1	171.2	155.7	139.6	123.1	106.4	94.5	82.2	69.8	57.1	44.2
77.5°	266.5	245.9	224.5	204.1	183.5	162.3	140.5	118.3	99.2	83.4	67.3
75°	349.8	325.1	299.5	273.0	245.7	218.0	191.9	165.3	138.2	110.6	90.2
72.5°	428.8	401.2	372.6	343.0	311.2	278.5	245.1	211.8	180.3	148.1	115.6
70°	512.7	476.9	442.9	409.2	374.6	338.7	300.5	261.6	221.9	185.3	148.1
67.5°	600.9	560.5	518.8	475.8	435.6	395.7	354.9	311.6	267.1	221.9	180.3
65°	715.2	656.2	596.8	549.0	499.9	451.6	406.3	360.2	311.6	261.6	211.8
62.5°	841.3	763.5	696.4	627.3	567.3	512.1	456.9	406.3	354.9	300.5	245.1
60°	982.5	892.7	800.1	720.7	643.5	573.4	512.1	451.6	395.7	338.7	278.5
57.5°	1144.6	1027.8	923.8	820.8	728.8	643.5	567.3	499.9	435.6	374.6	311.2
55°	1318.0	1182.5	1052.9	934.2	820.8	720.7	627.3	549.0	475.8	409.2	343.0
52.5°	1525.8	1351.1	1195.2	1052.9	923.8	800.1	696.4	596.8	518.8	442.9	372.6
50°	1745.9	1542.6	1351.1	1182.5	1027.8	892.7	763.5	656.2	560.5	476.9	401.2
47.5°	1976.3	1745.9	1525.8	1318.0	1144.6	982.5	841.3	715.2	600.9	512.7	428.8
45°	2205.7	1956.4	1706.6	1475.8	1257.6	1081.9	920.6	772.2	651.7	547.2	455.3
42.5°	2429.9	2164.2	1897.0	1628.6	1393.2	1182.2	997.0	839.3	700.9	580.4	482.8
40°	2637.9	2367.0	2081.8	1798.9	1528.7	1279.0	1083.0	905.5	747.9	615.3	510.4
37.5°	2837.1	2556.9	2263.2	1961.9	1663.4	1397.9	1166.8	968.7	795.9	654.9	536.7
35°	3007.5	2734.8	2436.2	2120.0	1806.6	1510.9	1246.3	1033.2	849.5	692.4	561.6
32.5°	3168.3	2897.9	2593.9	2271.8	1942.1	1617.7	1334.8	1101.0	900.1	727.8	585.0
30°	3309.3	3039.4	2742.0	2414.8	2070.7	1733.0	1426.0	1164.6	947.5	760.9	608.6
27.5°	3438.3	3172.0	2877.2	2544.2	2193.5	1841.6	1510.9	1223.8	991.5	794.7	635.3
25°	3555.2	3286.5	2991.1	2662.6	2307.0	1942.1	1589.4	1279.0	1037.4	830.5	660.0
22.5°	3655.2	3388.9	3095.7	2771.3	2411.1	2034.2	1666.8	1343.6	1081.9	863.2	682.4
20°	3746.3	3482.0	3190.7	2867.6	2503.0	2120.0	1742.1	1401.9	1122.1	892.7	702.7
17.5°	3826.8	3561.5	3268.7	2945.5	2583.3	2196.4	1809.2	1453.7	1157.8	918.9	720.7
15°	3892.8	3627.5	3335.9	3013.6	2653.5	2263.2	1867.7	1499.0	1188.9	941.7	736.3
12.5°	3949.4	3684.0	3393.3	3071.8	2713.5	2320.1	1917.6	1537.5	1215.4	961.2	749.7
10°	3996.1	3730.6	3440.6	3119.7	2762.9	2367.0	1958.6	1569.2	1237.2	977.2	760.6
7.5°	4032.8	3767.2	3477.7	3157.2	2801.5	2403.6	1990.7	1593.9	1254.2	989.6	769.2
5°	4059.2	3793.5	3504.3	3184.2	2829.2	2429.9	2013.7	1611.7	1266.3	998.5	775.3
2.5°	4075.1	3809.3	3520.3	3200.4	2845.8	2445.7	2027.5	1622.3	1273.7	1003.9	779.0
0°	4080.4	3814.6	3525.7	3205.8	2851.4	2451.0	2032.1	1625.9	1276.1	1005.7	780.2
-2.5°	4075.1	3809.3	3520.3	3200.4	2845.8	2445.7	2027.5	1622.3	1273.7	1003.9	779.0
-5°	4059.2	3793.5	3504.3	3184.2	2829.2	2429.9	2013.7	1611.7	1266.3	998.5	775.3
-7.5°	4032.8	3767.2	3477.7	3157.2	2801.5	2403.6	1990.7	1593.9	1254.2	989.6	769.2
-10°	3996.1	3730.6	3440.6	3119.7	2762.9	2367.0	1958.6	1569.2	1237.2	977.2	760.6
-12.5°	3949.4	3684.0	3393.3	3071.8	2713.5	2320.1	1917.6	1537.5	1215.4	961.2	749.7
-15°	3892.8	3627.5	3335.9	3013.6	2653.5	2263.2	1867.7	1499.0	1188.9	941.7	736.3
-17.5°	3826.8	3561.5	3268.7	2945.5	2583.3	2196.4	1809.2	1453.7	1157.8	918.9	720.7
-20°	3746.3	3482.0	3190.7	2867.6	2503.0	2120.0	1742.1	1401.9	1122.1	892.7	702.7



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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°	3655.2	3388.9	3095.7	2771.3	2411.1	2034.2	1666.8	1343.6	1081.9	863.2	682.4
-25°	3555.2	3286.5	2991.1	2662.6	2307.0	1942.1	1589.4	1279.0	1037.4	830.5	660.0
-27.5°	3438.3	3172.0	2877.2	2544.2	2193.5	1841.6	1510.9	1223.8	991.5	794.7	635.3
-30°	3309.3	3039.4	2742.0	2414.8	2070.7	1733.0	1426.0	1164.6	947.5	760.9	608.6
-32.5°	3168.3	2897.9	2593.9	2271.8	1942.1	1617.7	1334.8	1101.0	900.1	727.8	585.0
-35°	3007.5	2734.8	2436.2	2120.0	1806.6	1510.9	1246.3	1033.2	849.5	692.4	561.6
-37.5°	2837.1	2556.9	2263.2	1961.9	1663.4	1397.9	1166.8	968.7	795.9	654.9	536.7
-40°	2637.9	2367.0	2081.8	1798.9	1528.7	1279.0	1083.0	905.5	747.9	615.3	510.4
-42.5°	2429.9	2164.2	1897.0	1628.6	1393.2	1182.2	997.0	839.3	700.9	580.4	482.8
-45°	2205.7	1956.4	1706.6	1475.8	1257.6	1081.9	920.6	772.2	651.7	547.2	455.3
-47.5°	1976.3	1745.9	1525.8	1318.0	1144.6	982.5	841.3	715.2	600.9	512.7	428.8
-50°	1745.9	1542.6	1351.1	1182.5	1027.8	892.7	763.5	656.2	560.5	476.9	401.2
-52.5°	1525.8	1351.1	1195.2	1052.9	923.8	800.1	696.4	596.8	518.8	442.9	372.6
-55°	1318.0	1182.5	1052.9	934.2	820.8	720.7	627.3	549.0	475.8	409.2	343.0
-57.5°	1144.6	1027.8	923.8	820.8	728.8	643.5	567.3	499.9	435.6	374.6	311.2
-60°	982.5	892.7	800.1	720.7	643.5	573.4	512.1	451.6	395.7	338.7	278.5
-62.5°	841.3	763.5	696.4	627.3	567.3	512.1	456.9	406.3	354.9	300.5	245.1
-65°	715.2	656.2	596.8	549.0	499.9	451.6	406.3	360.2	311.6	261.6	211.8
-67.5°	600.9	560.5	518.8	475.8	435.6	395.7	354.9	311.6	267.1	221.9	180.3
-70°	512.7	476.9	442.9	409.2	374.6	338.7	300.5	261.6	221.9	185.3	148.1
-72.5°	428.8	401.2	372.6	343.0	311.2	278.5	245.1	211.8	180.3	148.1	115.6
-75°	349.8	325.1	299.5	273.0	245.7	218.0	191.9	165.3	138.2	110.6	90.2
-77.5°	266.5	245.9	224.5	204.1	183.5	162.3	140.5	118.3	99.2	83.4	67.3
-80°	186.1	171.2	155.7	139.6	123.1	106.4	94.5	82.2	69.8	57.1	44.2
-82.5°	109.7	101.1	93.2	84.9	76.4	67.6	58.7	49.5	40.2	30.6	25.9
-85°	56.2	51.1	45.7	40.2	34.6	28.8	26.6	24.3	22.0	19.7	17.3
-87.5°	19.5	18.5	17.5	16.5	15.5	14.4	13.3	12.2	11.0	9.8	8.7
-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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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°	7.5	6.2	5.0	3.8	2.5	1.3	0.0
85°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
82.5°	22.3	18.6	15.0	11.2	7.5	3.8	0.0
80°	31.2	24.8	19.9	15.0	10.0	5.0	0.0
77.5°	51.0	34.6	24.8	18.6	12.5	6.2	0.0
75°	70.7	51.0	31.2	22.3	14.9	7.5	0.0
72.5°	90.2	67.3	44.2	25.9	17.3	8.7	0.0
70°	110.6	83.4	57.1	30.6	19.7	9.8	0.0
67.5°	138.2	99.2	69.8	40.2	22.0	11.0	0.0
65°	165.3	118.3	82.2	49.5	24.3	12.2	0.0
62.5°	191.9	140.5	94.5	58.7	26.6	13.3	0.0
60°	218.0	162.3	106.4	67.6	28.8	14.4	0.0
57.5°	245.7	183.5	123.1	76.4	34.6	15.5	0.0
55°	273.0	204.1	139.6	84.9	40.2	16.5	0.0
52.5°	299.5	224.5	155.7	93.2	45.7	17.5	0.0
50°	325.1	245.9	171.2	101.1	51.1	18.5	0.0
47.5°	349.8	266.5	186.1	109.7	56.2	19.5	0.0
45°	372.5	286.3	200.5	120.5	61.1	20.4	0.0
42.5°	394.3	305.4	214.3	130.8	65.8	21.2	0.0
40°	415.1	323.5	228.1	140.6	70.3	22.1	0.0
37.5°	434.9	340.7	241.9	150.0	74.6	22.8	0.0
35°	453.6	356.6	254.9	158.8	78.7	23.6	0.0
32.5°	471.9	371.2	267.2	167.1	82.5	24.3	0.0
30°	490.6	384.8	278.6	174.9	86.0	24.9	0.0
27.5°	507.9	397.5	289.2	182.1	89.3	25.5	0.0
25°	523.9	409.2	298.9	188.7	92.3	26.1	0.0
22.5°	538.5	419.8	307.8	194.8	95.1	26.6	0.0
20°	551.6	429.4	315.8	200.2	97.5	27.1	0.0
17.5°	563.3	437.9	322.9	205.0	99.7	27.5	0.0
15°	573.4	445.3	329.1	209.2	101.7	27.8	0.0
12.5°	582.0	451.6	334.4	212.8	103.3	28.1	0.0
10°	589.1	456.8	338.7	215.7	104.6	28.4	0.0
7.5°	594.7	460.8	342.1	218.0	105.7	28.6	0.0
5°	598.6	463.7	344.5	219.6	106.4	28.7	0.0
2.5°	601.0	465.4	345.9	220.6	106.9	28.8	0.0
0°	601.8	466.0	346.4	220.9	107.0	28.8	0.0
-2.5°	601.0	465.4	345.9	220.6	106.9	28.8	0.0
-5°	598.6	463.7	344.5	219.6	106.4	28.7	0.0
-7.5°	594.7	460.8	342.1	218.0	105.7	28.6	0.0
-10°	589.1	456.8	338.7	215.7	104.6	28.4	0.0
-12.5°	582.0	451.6	334.4	212.8	103.3	28.1	0.0
-15°	573.4	445.3	329.1	209.2	101.7	27.8	0.0
-17.5°	563.3	437.9	322.9	205.0	99.7	27.5	0.0
-20°	551.6	429.4	315.8	200.2	97.5	27.1	0.0

Classified

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

Scaled Data Report



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CATALOG NUMBER: GFLD-SA3D-722-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	538.5	419.8	307.8	194.8	95.1	26.6	0.0
-25°	523.9	409.2	298.9	188.7	92.3	26.1	0.0
-27.5°	507.9	397.5	289.2	182.1	89.3	25.5	0.0
-30°	490.6	384.8	278.6	174.9	86.0	24.9	0.0
-32.5°	471.9	371.2	267.2	167.1	82.5	24.3	0.0
-35°	453.6	356.6	254.9	158.8	78.7	23.6	0.0
-37.5°	434.9	340.7	241.9	150.0	74.6	22.8	0.0
-40°	415.1	323.5	228.1	140.6	70.3	22.1	0.0
-42.5°	394.3	305.4	214.3	130.8	65.8	21.2	0.0
-45°	372.5	286.3	200.5	120.5	61.1	20.4	0.0
-47.5°	349.8	266.5	186.1	109.7	56.2	19.5	0.0
-50°	325.1	245.9	171.2	101.1	51.1	18.5	0.0
-52.5°	299.5	224.5	155.7	93.2	45.7	17.5	0.0
-55°	273.0	204.1	139.6	84.9	40.2	16.5	0.0
-57.5°	245.7	183.5	123.1	76.4	34.6	15.5	0.0
-60°	218.0	162.3	106.4	67.6	28.8	14.4	0.0
-62.5°	191.9	140.5	94.5	58.7	26.6	13.3	0.0
-65°	165.3	118.3	82.2	49.5	24.3	12.2	0.0
-67.5°	138.2	99.2	69.8	40.2	22.0	11.0	0.0
-70°	110.6	83.4	57.1	30.6	19.7	9.8	0.0
-72.5°	90.2	67.3	44.2	25.9	17.3	8.7	0.0
-75°	70.7	51.0	31.2	22.3	14.9	7.5	0.0
-77.5°	51.0	34.6	24.8	18.6	12.5	6.2	0.0
-80°	31.2	24.8	19.9	15.0	10.0	5.0	0.0
-82.5°	22.3	18.6	15.0	11.2	7.5	3.8	0.0
-85°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
-87.5°	7.5	6.2	5.0	3.8	2.5	1.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)