

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: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1E-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1E-730-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQUARE, LAMBERTIAN
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

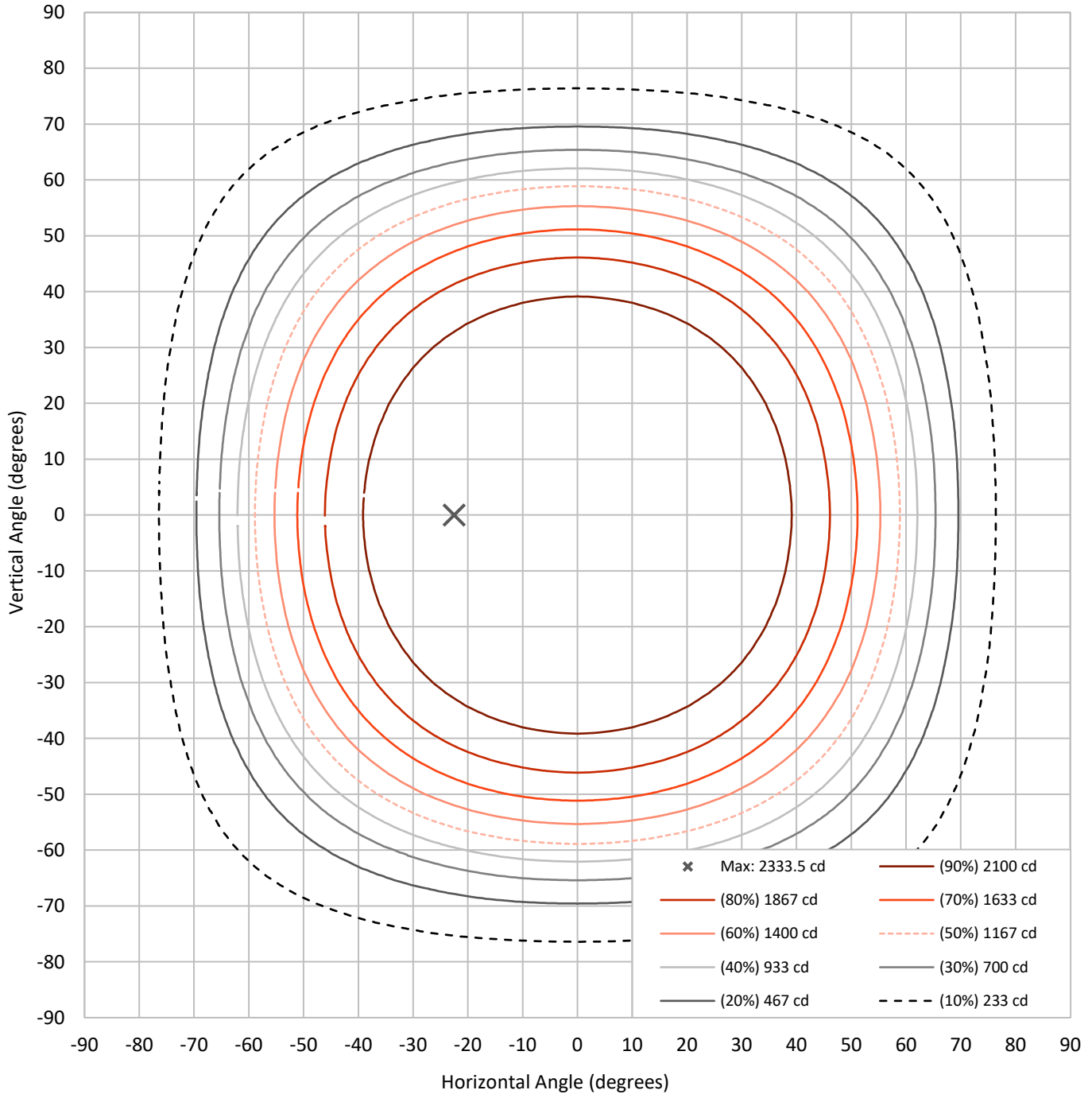
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7138.3 lumens	Max Intensity:	2333.5 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	107.8 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' 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:	5940.6 lumens	Field Lumens:	6997.9 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	66.2		
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		



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Iso-Candela Plot





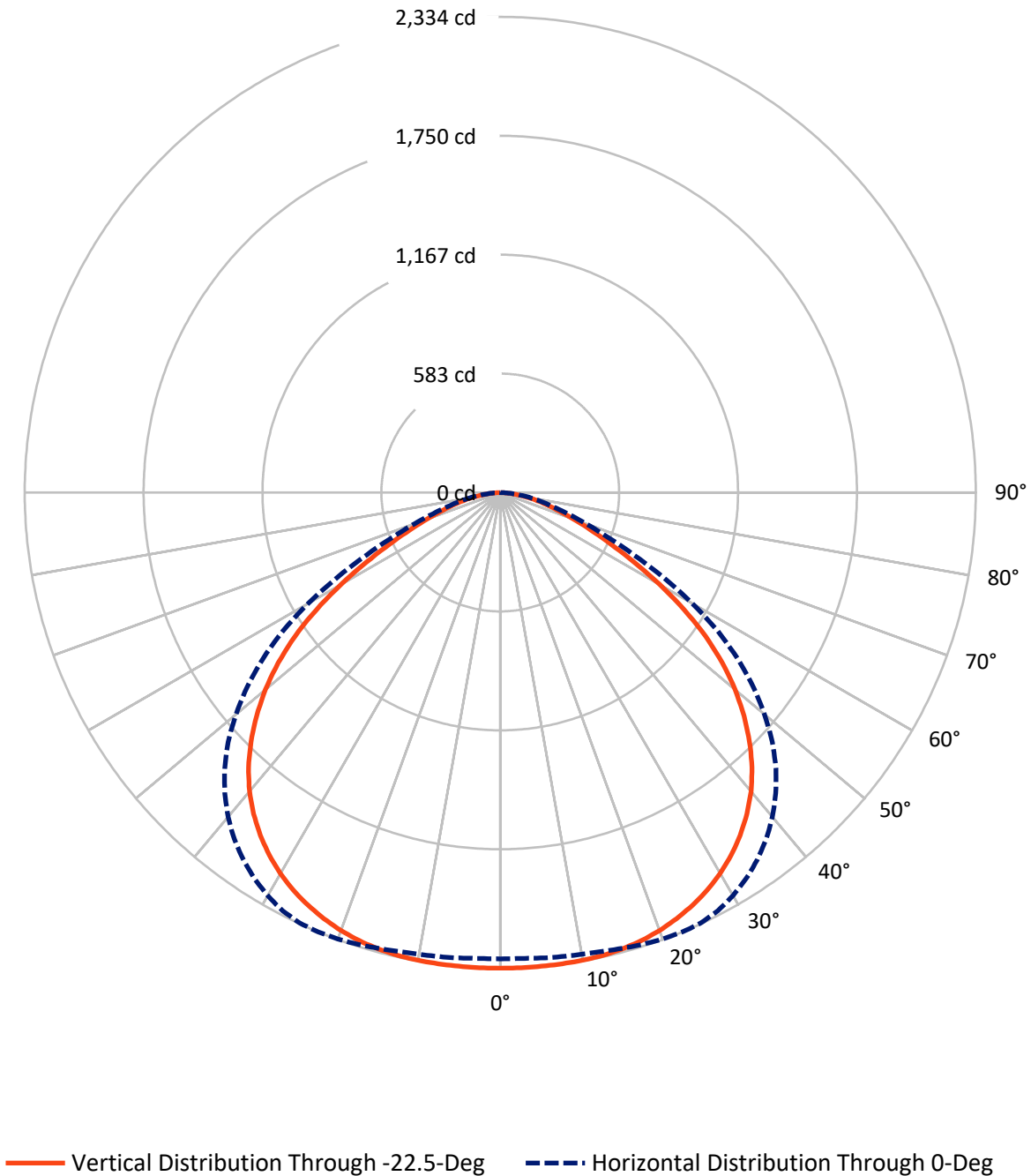
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Lumen Table

90																			
80	0.4	3.7	10.5	17.4	20.4	17.4	10.5	3.7	0.4										
70																			
60	1.8	2.1	4.3	7.6	11.7	16.2	20.0	22.1	22.1	20.0	16.2	11.7	7.6	4.3	2.1				1.8
50																			
40	3.3	3.2	7.4	14.3	23.5	32.3	38.9	42.4	42.4	38.9	32.3	23.5	14.3	7.4	3.2				3.3
30																			
20	4.6	4.6	11.7	23.3	35.8	46.2	53.5	57.3	57.3	53.5	46.2	35.8	23.3	11.7	4.6				4.6
10																			
0	5.0	6.2	16.6	30.9	44.5	55.3	62.5	66.2	66.2	62.5	55.3	44.5	30.9	16.6	6.2				5.0
-10																			
-20	4.6	7.7	20.6	36.1	50.0	60.5	67.2	70.2	70.2	67.2	60.5	50.0	36.1	20.6	7.7				4.6
-30																			
-40	3.3	9.0	23.3	39.3	53.1	63.1	68.4	70.3	70.3	68.4	63.1	53.1	39.3	23.3	9.0				3.3
-50																			
-60	1.8	9.6	24.6	40.8	54.4	63.9	68.1	69.6	69.6	68.1	63.9	54.4	40.8	24.6	9.6				1.8
-70																			
-80	0.4	9.6	24.6	40.8	54.4	63.9	68.1	69.6	69.6	68.1	63.9	54.4	40.8	24.6	9.6				0.4
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

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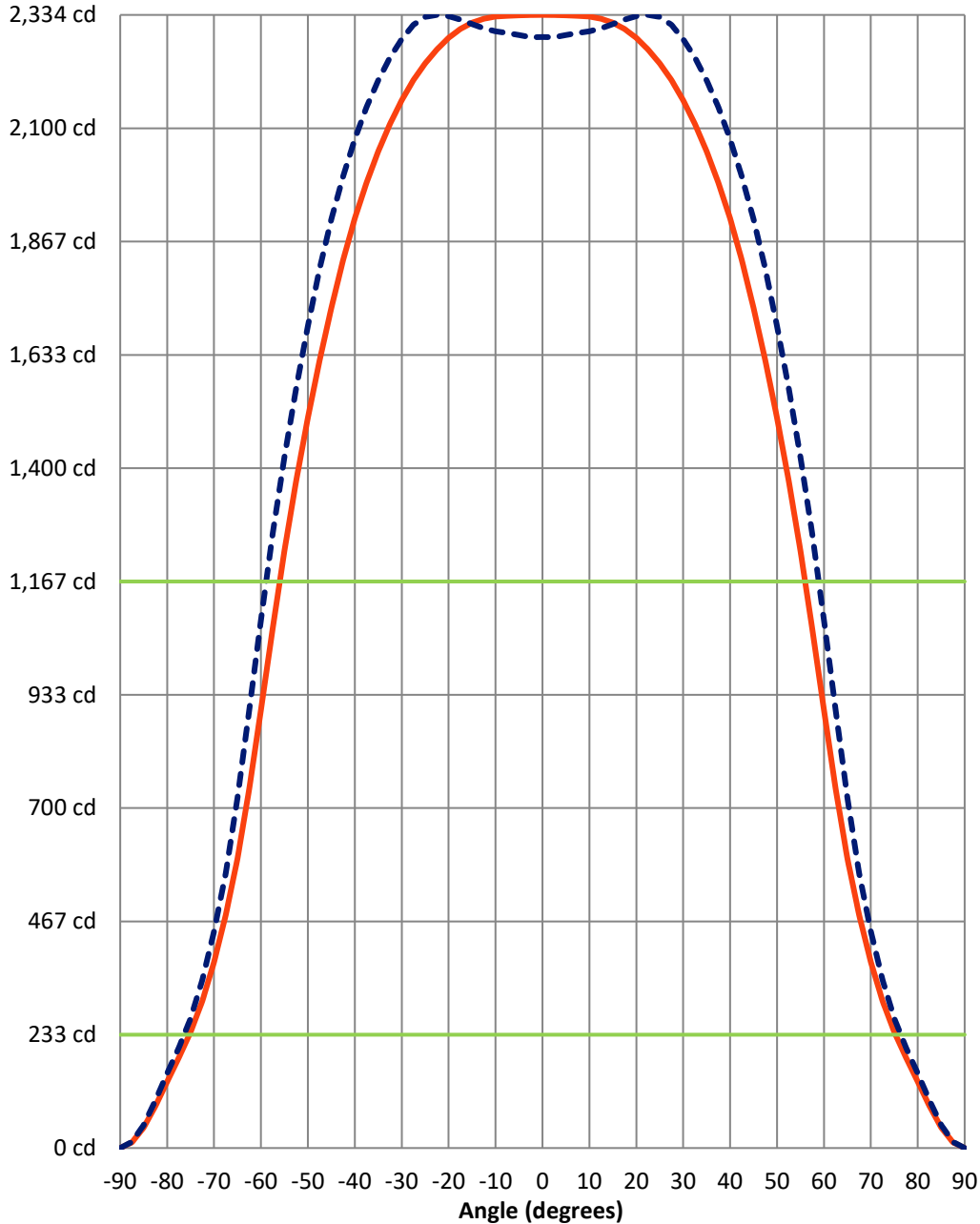
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 5940.6
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 6997.9
 Efficiency: 98.0%

Spill:
 Lumens: 140.4
 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	0.6	1.1	1.7	2.2	2.8	3.3	3.8	4.4	4.9	5.4
85°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
82.5°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.6	17.8	22.0
80°	0.0	2.2	4.4	6.6	8.8	11.0	13.9	19.6	25.4	31.0	36.5
77.5°	0.0	2.8	5.5	8.3	11.0	15.4	22.7	29.9	37.0	44.0	52.5
75°	0.0	3.3	6.6	9.9	13.9	22.7	31.4	40.1	49.1	61.3	73.3
72.5°	0.0	3.8	7.7	11.5	19.6	29.9	40.1	51.3	65.7	80.0	94.0
70°	0.0	4.4	8.7	13.6	25.4	37.0	49.1	65.7	82.2	98.5	116.1
67.5°	0.0	4.9	9.8	17.8	31.0	44.0	61.3	80.0	98.5	118.5	138.3
65°	0.0	5.4	10.8	22.0	36.5	52.5	73.3	94.0	116.1	138.3	159.8
62.5°	0.0	5.9	11.8	26.1	41.9	62.4	85.1	108.7	133.3	157.5	180.3
60°	0.0	6.4	12.8	30.0	47.2	72.0	96.7	123.6	150.3	175.6	200.4
57.5°	0.0	6.9	15.4	33.9	54.6	81.4	109.0	138.1	166.2	193.3	221.8
55°	0.0	7.3	17.9	37.7	62.0	90.6	121.1	152.2	181.6	211.1	243.6
52.5°	0.0	7.8	20.3	41.4	69.1	99.6	132.9	165.3	196.5	230.2	264.8
50°	0.0	8.2	22.7	44.9	76.0	109.1	144.3	178.0	211.6	248.7	291.2
47.5°	0.0	8.6	25.0	48.7	82.6	118.2	155.2	190.3	227.5	266.6	317.4
45°	0.0	9.0	27.1	53.5	89.0	127.0	165.3	202.1	242.8	289.2	342.6
42.5°	0.0	9.4	29.2	58.1	95.1	135.5	175.0	214.2	257.5	311.0	372.4
40°	0.0	9.8	31.2	62.4	101.2	143.5	184.2	226.5	273.0	331.8	401.8
37.5°	0.0	10.2	33.1	66.6	107.3	151.2	193.0	238.2	290.6	353.2	429.9
35°	0.0	10.5	34.9	70.5	113.1	158.2	201.3	249.2	307.2	377.0	458.5
32.5°	0.0	10.8	36.6	74.2	118.5	164.7	209.4	259.6	322.9	399.4	488.6
30°	0.0	11.1	38.2	77.6	123.6	170.8	217.7	270.0	337.6	420.5	516.8
27.5°	0.0	11.4	39.6	80.8	128.3	176.4	225.4	281.9	352.6	440.0	543.1
25°	0.0	11.6	41.0	83.7	132.6	181.6	232.5	292.8	368.5	460.4	567.6
22.5°	0.0	11.8	42.2	86.4	136.6	186.3	238.9	302.8	383.0	480.1	596.2
20°	0.0	12.0	43.3	88.8	140.1	190.6	244.8	311.8	396.1	497.9	622.1
17.5°	0.0	12.2	44.3	91.0	143.3	194.3	249.9	319.8	407.8	513.8	645.1
15°	0.0	12.4	45.1	92.8	146.0	197.6	254.4	326.7	417.9	527.6	665.2
12.5°	0.0	12.5	45.9	94.4	148.4	200.4	258.2	332.6	426.5	539.4	682.3
10°	0.0	12.6	46.4	95.7	150.3	202.7	261.4	337.5	433.6	549.0	696.3
7.5°	0.0	12.7	46.9	96.7	151.8	204.5	263.8	341.3	439.2	556.6	707.3
5°	0.0	12.8	47.2	97.4	152.8	205.8	265.6	344.0	443.1	562.0	715.2
2.5°	0.0	12.8	47.4	97.9	153.5	206.5	266.6	345.7	445.5	565.2	719.9
0°	0.0	12.8	47.5	98.0	153.7	206.8	267.0	346.2	446.3	566.3	721.5
-2.5°	0.0	12.8	47.4	97.9	153.5	206.5	266.6	345.7	445.5	565.2	719.9
-5°	0.0	12.8	47.2	97.4	152.8	205.8	265.6	344.0	443.1	562.0	715.2
-7.5°	0.0	12.7	46.9	96.7	151.8	204.5	263.8	341.3	439.2	556.6	707.3
-10°	0.0	12.6	46.4	95.7	150.3	202.7	261.4	337.5	433.6	549.0	696.3
-12.5°	0.0	12.5	45.9	94.4	148.4	200.4	258.2	332.6	426.5	539.4	682.3
-15°	0.0	12.4	45.1	92.8	146.0	197.6	254.4	326.7	417.9	527.6	665.2
-17.5°	0.0	12.2	44.3	91.0	143.3	194.3	249.9	319.8	407.8	513.8	645.1
-20°	0.0	12.0	43.3	88.8	140.1	190.6	244.8	311.8	396.1	497.9	622.1

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Scaled Data Report



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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	11.8	42.2	86.4	136.6	186.3	238.9	302.8	383.0	480.1	596.2
-25°	0.0	11.6	41.0	83.7	132.6	181.6	232.5	292.8	368.5	460.4	567.6
-27.5°	0.0	11.4	39.6	80.8	128.3	176.4	225.4	281.9	352.6	440.0	543.1
-30°	0.0	11.1	38.2	77.6	123.6	170.8	217.7	270.0	337.6	420.5	516.8
-32.5°	0.0	10.8	36.6	74.2	118.5	164.7	209.4	259.6	322.9	399.4	488.6
-35°	0.0	10.5	34.9	70.5	113.1	158.2	201.3	249.2	307.2	377.0	458.5
-37.5°	0.0	10.2	33.1	66.6	107.3	151.2	193.0	238.2	290.6	353.2	429.9
-40°	0.0	9.8	31.2	62.4	101.2	143.5	184.2	226.5	273.0	331.8	401.8
-42.5°	0.0	9.4	29.2	58.1	95.1	135.5	175.0	214.2	257.5	311.0	372.4
-45°	0.0	9.0	27.1	53.5	89.0	127.0	165.3	202.1	242.8	289.2	342.6
-47.5°	0.0	8.6	25.0	48.7	82.6	118.2	155.2	190.3	227.5	266.6	317.4
-50°	0.0	8.2	22.7	44.9	76.0	109.1	144.3	178.0	211.6	248.7	291.2
-52.5°	0.0	7.8	20.3	41.4	69.1	99.6	132.9	165.3	196.5	230.2	264.8
-55°	0.0	7.3	17.9	37.7	62.0	90.6	121.1	152.2	181.6	211.1	243.6
-57.5°	0.0	6.9	15.4	33.9	54.6	81.4	109.0	138.1	166.2	193.3	221.8
-60°	0.0	6.4	12.8	30.0	47.2	72.0	96.7	123.6	150.3	175.6	200.4
-62.5°	0.0	5.9	11.8	26.1	41.9	62.4	85.1	108.7	133.3	157.5	180.3
-65°	0.0	5.4	10.8	22.0	36.5	52.5	73.3	94.0	116.1	138.3	159.8
-67.5°	0.0	4.9	9.8	17.8	31.0	44.0	61.3	80.0	98.5	118.5	138.3
-70°	0.0	4.4	8.7	13.6	25.4	37.0	49.1	65.7	82.2	98.5	116.1
-72.5°	0.0	3.8	7.7	11.5	19.6	29.9	40.1	51.3	65.7	80.0	94.0
-75°	0.0	3.3	6.6	9.9	13.9	22.7	31.4	40.1	49.1	61.3	73.3
-77.5°	0.0	2.8	5.5	8.3	11.0	15.4	22.7	29.9	37.0	44.0	52.5
-80°	0.0	2.2	4.4	6.6	8.8	11.0	13.9	19.6	25.4	31.0	36.5
-82.5°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.6	17.8	22.0
-85°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
-87.5°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.8	4.4	4.9	5.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.2
85°	11.8	12.8	15.4	17.9	20.3	22.7	25.0	27.1	29.2	31.2	33.1
82.5°	26.1	30.0	33.9	37.7	41.4	44.9	48.7	53.5	58.1	62.4	66.6
80°	41.9	47.2	54.6	62.0	69.1	76.0	82.6	89.0	95.1	101.2	107.3
77.5°	62.4	72.0	81.4	90.6	99.6	109.1	118.2	127.0	135.5	143.5	151.2
75°	85.1	96.7	109.0	121.1	132.9	144.3	155.2	165.3	175.0	184.2	193.0
72.5°	108.7	123.6	138.1	152.2	165.3	178.0	190.3	202.1	214.2	226.5	238.2
70°	133.3	150.3	166.2	181.6	196.5	211.6	227.5	242.8	257.5	273.0	290.6
67.5°	157.5	175.6	193.3	211.1	230.2	248.7	266.6	289.2	311.0	331.8	353.2
65°	180.3	200.4	221.8	243.6	264.8	291.2	317.4	342.6	372.4	401.8	429.9
62.5°	202.8	227.2	251.7	278.3	309.0	338.8	373.3	408.5	442.4	480.6	517.8
60°	227.2	254.4	285.5	319.8	355.0	396.1	436.0	480.1	524.6	567.6	620.3
57.5°	251.7	285.5	323.4	364.2	409.9	456.1	507.9	558.1	618.3	678.4	738.1
55°	278.3	319.8	364.2	414.6	467.3	524.8	584.9	654.9	722.7	798.2	870.6
52.5°	309.0	355.0	409.9	467.3	530.4	599.6	677.1	757.3	841.8	923.8	1004.2
50°	338.8	396.1	456.1	524.8	599.6	684.5	774.7	868.1	960.3	1050.3	1134.6
47.5°	373.3	436.0	507.9	584.9	677.1	774.7	876.9	978.8	1078.2	1170.5	1258.9
45°	408.5	480.1	558.1	654.9	757.3	868.1	978.8	1087.6	1188.7	1284.0	1367.5
42.5°	442.4	524.6	618.3	722.7	841.8	960.3	1078.2	1188.7	1292.2	1384.1	1467.9
40°	480.6	567.6	678.4	798.2	923.8	1050.3	1170.5	1284.0	1384.1	1475.5	1560.3
37.5°	517.8	620.3	738.1	870.6	1004.2	1134.6	1258.9	1367.5	1467.9	1560.3	1641.8
35°	553.1	670.5	801.7	940.7	1081.1	1213.6	1334.6	1445.1	1544.8	1634.6	1717.8
32.5°	592.3	717.9	861.8	1008.1	1151.0	1285.9	1405.9	1514.0	1613.1	1704.3	1786.9
30°	632.8	769.0	918.8	1071.5	1216.7	1348.7	1468.5	1577.9	1676.3	1766.3	1847.3
27.5°	670.5	817.2	973.3	1129.0	1276.8	1407.6	1525.7	1633.5	1732.4	1823.0	1901.5
25°	705.3	861.8	1023.7	1181.5	1327.3	1458.4	1577.6	1685.3	1783.6	1870.6	1946.9
22.5°	739.7	902.6	1069.9	1229.7	1373.7	1503.8	1622.0	1729.9	1828.3	1914.5	1987.8
20°	773.1	940.7	1110.7	1272.5	1415.9	1545.1	1662.4	1770.1	1865.9	1949.3	2022.3
17.5°	802.8	974.6	1146.3	1307.0	1450.5	1580.4	1698.1	1806.2	1899.7	1980.8	2052.1
15°	828.8	1004.2	1177.5	1337.3	1480.3	1609.7	1727.4	1834.3	1927.1	2007.6	2078.3
12.5°	850.9	1029.5	1204.1	1363.1	1505.8	1634.7	1752.5	1857.9	1949.2	2028.6	2097.8
10°	869.1	1050.3	1226.0	1384.4	1526.8	1655.4	1773.2	1877.4	1967.5	2046.0	2114.0
7.5°	883.3	1066.6	1243.1	1401.0	1543.2	1671.7	1789.5	1892.8	1981.9	2059.8	2126.8
5°	893.5	1078.2	1255.4	1413.0	1555.0	1683.3	1801.2	1903.8	1992.3	2069.7	2136.0
2.5°	899.7	1085.3	1262.8	1420.2	1562.1	1690.4	1808.2	1910.5	1998.5	2075.7	2141.6
0°	901.7	1087.6	1265.3	1422.6	1564.5	1692.7	1810.6	1912.7	2000.6	2077.7	2143.5
-2.5°	899.7	1085.3	1262.8	1420.2	1562.1	1690.4	1808.2	1910.5	1998.5	2075.7	2141.6
-5°	893.5	1078.2	1255.4	1413.0	1555.0	1683.3	1801.2	1903.8	1992.3	2069.7	2136.0
-7.5°	883.3	1066.6	1243.1	1401.0	1543.2	1671.7	1789.5	1892.8	1981.9	2059.8	2126.8
-10°	869.1	1050.3	1226.0	1384.4	1526.8	1655.4	1773.2	1877.4	1967.5	2046.0	2114.0
-12.5°	850.9	1029.5	1204.1	1363.1	1505.8	1634.7	1752.5	1857.9	1949.2	2028.6	2097.8
-15°	828.8	1004.2	1177.5	1337.3	1480.3	1609.7	1727.4	1834.3	1927.1	2007.6	2078.3
-17.5°	802.8	974.6	1146.3	1307.0	1450.5	1580.4	1698.1	1806.2	1899.7	1980.8	2052.1
-20°	773.1	940.7	1110.7	1272.5	1415.9	1545.1	1662.4	1770.1	1865.9	1949.3	2022.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-730-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°	739.7	902.6	1069.9	1229.7	1373.7	1503.8	1622.0	1729.9	1828.3	1914.5	1987.8
-25°	705.3	861.8	1023.7	1181.5	1327.3	1458.4	1577.6	1685.3	1783.6	1870.6	1946.9
-27.5°	670.5	817.2	973.3	1129.0	1276.8	1407.6	1525.7	1633.5	1732.4	1823.0	1901.5
-30°	632.8	769.0	918.8	1071.5	1216.7	1348.7	1468.5	1577.9	1676.3	1766.3	1847.3
-32.5°	592.3	717.9	861.8	1008.1	1151.0	1285.9	1405.9	1514.0	1613.1	1704.3	1786.9
-35°	553.1	670.5	801.7	940.7	1081.1	1213.6	1334.6	1445.1	1544.8	1634.6	1717.8
-37.5°	517.8	620.3	738.1	870.6	1004.2	1134.6	1258.9	1367.5	1467.9	1560.3	1641.8
-40°	480.6	567.6	678.4	798.2	923.8	1050.3	1170.5	1284.0	1384.1	1475.5	1560.3
-42.5°	442.4	524.6	618.3	722.7	841.8	960.3	1078.2	1188.7	1292.2	1384.1	1467.9
-45°	408.5	480.1	558.1	654.9	757.3	868.1	978.8	1087.6	1188.7	1284.0	1367.5
-47.5°	373.3	436.0	507.9	584.9	677.1	774.7	876.9	978.8	1078.2	1170.5	1258.9
-50°	338.8	396.1	456.1	524.8	599.6	684.5	774.7	868.1	960.3	1050.3	1134.6
-52.5°	309.0	355.0	409.9	467.3	530.4	599.6	677.1	757.3	841.8	923.8	1004.2
-55°	278.3	319.8	364.2	414.6	467.3	524.8	584.9	654.9	722.7	798.2	870.6
-57.5°	251.7	285.5	323.4	364.2	409.9	456.1	507.9	558.1	618.3	678.4	738.1
-60°	227.2	254.4	285.5	319.8	355.0	396.1	436.0	480.1	524.6	567.6	620.3
-62.5°	202.8	227.2	251.7	278.3	309.0	338.8	373.3	408.5	442.4	480.6	517.8
-65°	180.3	200.4	221.8	243.6	264.8	291.2	317.4	342.6	372.4	401.8	429.9
-67.5°	157.5	175.6	193.3	211.1	230.2	248.7	266.6	289.2	311.0	331.8	353.2
-70°	133.3	150.3	166.2	181.6	196.5	211.6	227.5	242.8	257.5	273.0	290.6
-72.5°	108.7	123.6	138.1	152.2	165.3	178.0	190.3	202.1	214.2	226.5	238.2
-75°	85.1	96.7	109.0	121.1	132.9	144.3	155.2	165.3	175.0	184.2	193.0
-77.5°	62.4	72.0	81.4	90.6	99.6	109.1	118.2	127.0	135.5	143.5	151.2
-80°	41.9	47.2	54.6	62.0	69.1	76.0	82.6	89.0	95.1	101.2	107.3
-82.5°	26.1	30.0	33.9	37.7	41.4	44.9	48.7	53.5	58.1	62.4	66.6
-85°	11.8	12.8	15.4	17.9	20.3	22.7	25.0	27.1	29.2	31.2	33.1
-87.5°	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.2
-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: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	10.5	10.8	11.1	11.4	11.6	11.8	12.0	12.2	12.4	12.5	12.6
85°	34.9	36.6	38.2	39.6	41.0	42.2	43.3	44.3	45.1	45.9	46.4
82.5°	70.5	74.2	77.6	80.8	83.7	86.4	88.8	91.0	92.8	94.4	95.7
80°	113.1	118.5	123.6	128.3	132.6	136.6	140.1	143.3	146.0	148.4	150.3
77.5°	158.2	164.7	170.8	176.4	181.6	186.3	190.6	194.3	197.6	200.4	202.7
75°	201.3	209.4	217.7	225.4	232.5	238.9	244.8	249.9	254.4	258.2	261.4
72.5°	249.2	259.6	270.0	281.9	292.8	302.8	311.8	319.8	326.7	332.6	337.5
70°	307.2	322.9	337.6	352.6	368.5	383.0	396.1	407.8	417.9	426.5	433.6
67.5°	377.0	399.4	420.5	440.0	460.4	480.1	497.9	513.8	527.6	539.4	549.0
65°	458.5	488.6	516.8	543.1	567.6	596.2	622.1	645.1	665.2	682.3	696.3
62.5°	553.1	592.3	632.8	670.5	705.3	739.7	773.1	802.8	828.8	850.9	869.1
60°	670.5	717.9	769.0	817.2	861.8	902.6	940.7	974.6	1004.2	1029.5	1050.3
57.5°	801.7	861.8	918.8	973.3	1023.7	1069.9	1110.7	1146.3	1177.5	1204.1	1226.0
55°	940.7	1008.1	1071.5	1129.0	1181.5	1229.7	1272.5	1307.0	1337.3	1363.1	1384.4
52.5°	1081.1	1151.0	1216.7	1276.8	1327.3	1373.7	1415.9	1450.5	1480.3	1505.8	1526.8
50°	1213.6	1285.9	1348.7	1407.6	1458.4	1503.8	1545.1	1580.4	1609.7	1634.7	1655.4
47.5°	1334.6	1405.9	1468.5	1525.7	1577.6	1622.0	1662.4	1698.1	1727.4	1752.5	1773.2
45°	1445.1	1514.0	1577.9	1633.5	1685.3	1729.9	1770.1	1806.2	1834.3	1857.9	1877.4
42.5°	1544.8	1613.1	1676.3	1732.4	1783.6	1828.3	1865.9	1899.7	1927.1	1949.2	1967.5
40°	1634.6	1704.3	1766.3	1823.0	1870.6	1914.5	1949.3	1980.8	2007.6	2028.6	2046.0
37.5°	1717.8	1786.9	1847.3	1901.5	1946.9	1987.8	2022.3	2052.1	2078.3	2097.8	2114.0
35°	1793.9	1859.6	1919.3	1969.0	2014.1	2052.5	2086.4	2113.9	2138.3	2156.9	2171.7
32.5°	1859.6	1924.7	1980.2	2029.2	2073.1	2108.9	2141.5	2166.6	2188.8	2206.7	2220.5
30°	1919.3	1980.2	2034.2	2082.7	2122.7	2157.6	2187.0	2211.6	2232.1	2249.1	2261.2
27.5°	1969.0	2029.2	2082.7	2127.3	2165.7	2199.3	2226.2	2249.8	2267.7	2283.3	2293.8
25°	2014.1	2073.1	2122.7	2165.7	2202.9	2233.6	2259.1	2280.5	2296.4	2309.9	2317.6
22.5°	2052.5	2108.9	2157.6	2199.3	2233.6	2262.3	2286.3	2304.5	2317.5	2325.6	2330.2
20°	2086.4	2141.5	2187.0	2226.2	2259.1	2286.3	2307.3	2320.7	2329.7	2331.9	2333.3
17.5°	2113.9	2166.6	2211.6	2249.8	2280.5	2304.5	2320.7	2330.1	2332.9	2332.3	2331.0
15°	2138.3	2188.8	2232.1	2267.7	2296.4	2317.5	2329.7	2332.9	2332.0	2329.3	2325.1
12.5°	2156.9	2206.7	2249.1	2283.3	2309.9	2325.6	2331.9	2332.3	2329.3	2324.1	2318.1
10°	2171.7	2220.5	2261.2	2293.8	2317.6	2330.2	2333.3	2331.0	2325.1	2318.1	2311.5
7.5°	2183.4	2231.4	2270.8	2302.1	2322.7	2331.6	2332.3	2328.0	2321.0	2313.0	2305.8
5°	2191.9	2239.3	2277.7	2308.2	2326.4	2332.6	2331.5	2325.7	2317.5	2309.2	2302.7
2.5°	2197.0	2244.1	2282.0	2311.9	2328.6	2333.3	2331.1	2324.3	2315.3	2306.7	2300.5
0°	2198.7	2245.7	2283.4	2313.1	2329.4	2333.5	2330.9	2323.8	2314.6	2305.9	2299.8
-2.5°	2197.0	2244.1	2282.0	2311.9	2328.6	2333.3	2331.1	2324.3	2315.3	2306.7	2300.5
-5°	2191.9	2239.3	2277.7	2308.2	2326.4	2332.6	2331.5	2325.7	2317.5	2309.2	2302.7
-7.5°	2183.4	2231.4	2270.8	2302.1	2322.7	2331.6	2332.3	2328.0	2321.0	2313.0	2305.8
-10°	2171.7	2220.5	2261.2	2293.8	2317.6	2330.2	2333.3	2331.0	2325.1	2318.1	2311.5
-12.5°	2156.9	2206.7	2249.1	2283.3	2309.9	2325.6	2331.9	2332.3	2329.3	2324.1	2318.1
-15°	2138.3	2188.8	2232.1	2267.7	2296.4	2317.5	2329.7	2332.9	2332.0	2329.3	2325.1
-17.5°	2113.9	2166.6	2211.6	2249.8	2280.5	2304.5	2320.7	2330.1	2332.9	2332.3	2331.0
-20°	2086.4	2141.5	2187.0	2226.2	2259.1	2286.3	2307.3	2320.7	2329.7	2331.9	2333.3

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REPORT NUMBER: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2052.5	2108.9	2157.6	2199.3	2233.6	2262.3	2286.3	2304.5	2317.5	2325.6	2330.2
-25°	2014.1	2073.1	2122.7	2165.7	2202.9	2233.6	2259.1	2280.5	2296.4	2309.9	2317.6
-27.5°	1969.0	2029.2	2082.7	2127.3	2165.7	2199.3	2226.2	2249.8	2267.7	2283.3	2293.8
-30°	1919.3	1980.2	2034.2	2082.7	2122.7	2157.6	2187.0	2211.6	2232.1	2249.1	2261.2
-32.5°	1859.6	1924.7	1980.2	2029.2	2073.1	2108.9	2141.5	2166.6	2188.8	2206.7	2220.5
-35°	1793.9	1859.6	1919.3	1969.0	2014.1	2052.5	2086.4	2113.9	2138.3	2156.9	2171.7
-37.5°	1717.8	1786.9	1847.3	1901.5	1946.9	1987.8	2022.3	2052.1	2078.3	2097.8	2114.0
-40°	1634.6	1704.3	1766.3	1823.0	1870.6	1914.5	1949.3	1980.8	2007.6	2028.6	2046.0
-42.5°	1544.8	1613.1	1676.3	1732.4	1783.6	1828.3	1865.9	1899.7	1927.1	1949.2	1967.5
-45°	1445.1	1514.0	1577.9	1633.5	1685.3	1729.9	1770.1	1806.2	1834.3	1857.9	1877.4
-47.5°	1334.6	1405.9	1468.5	1525.7	1577.6	1622.0	1662.4	1698.1	1727.4	1752.5	1773.2
-50°	1213.6	1285.9	1348.7	1407.6	1458.4	1503.8	1545.1	1580.4	1609.7	1634.7	1655.4
-52.5°	1081.1	1151.0	1216.7	1276.8	1327.3	1373.7	1415.9	1450.5	1480.3	1505.8	1526.8
-55°	940.7	1008.1	1071.5	1129.0	1181.5	1229.7	1272.5	1307.0	1337.3	1363.1	1384.4
-57.5°	801.7	861.8	918.8	973.3	1023.7	1069.9	1110.7	1146.3	1177.5	1204.1	1226.0
-60°	670.5	717.9	769.0	817.2	861.8	902.6	940.7	974.6	1004.2	1029.5	1050.3
-62.5°	553.1	592.3	632.8	670.5	705.3	739.7	773.1	802.8	828.8	850.9	869.1
-65°	458.5	488.6	516.8	543.1	567.6	596.2	622.1	645.1	665.2	682.3	696.3
-67.5°	377.0	399.4	420.5	440.0	460.4	480.1	497.9	513.8	527.6	539.4	549.0
-70°	307.2	322.9	337.6	352.6	368.5	383.0	396.1	407.8	417.9	426.5	433.6
-72.5°	249.2	259.6	270.0	281.9	292.8	302.8	311.8	319.8	326.7	332.6	337.5
-75°	201.3	209.4	217.7	225.4	232.5	238.9	244.8	249.9	254.4	258.2	261.4
-77.5°	158.2	164.7	170.8	176.4	181.6	186.3	190.6	194.3	197.6	200.4	202.7
-80°	113.1	118.5	123.6	128.3	132.6	136.6	140.1	143.3	146.0	148.4	150.3
-82.5°	70.5	74.2	77.6	80.8	83.7	86.4	88.8	91.0	92.8	94.4	95.7
-85°	34.9	36.6	38.2	39.6	41.0	42.2	43.3	44.3	45.1	45.9	46.4
-87.5°	10.5	10.8	11.1	11.4	11.6	11.8	12.0	12.2	12.4	12.5	12.6
-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: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	12.7	12.8	12.8	12.8	12.8	12.8	12.7	12.6	12.5	12.4	12.2
85°	46.9	47.2	47.4	47.5	47.4	47.2	46.9	46.4	45.9	45.1	44.3
82.5°	96.7	97.4	97.9	98.0	97.9	97.4	96.7	95.7	94.4	92.8	91.0
80°	151.8	152.8	153.5	153.7	153.5	152.8	151.8	150.3	148.4	146.0	143.3
77.5°	204.5	205.8	206.5	206.8	206.5	205.8	204.5	202.7	200.4	197.6	194.3
75°	263.8	265.6	266.6	267.0	266.6	265.6	263.8	261.4	258.2	254.4	249.9
72.5°	341.3	344.0	345.7	346.2	345.7	344.0	341.3	337.5	332.6	326.7	319.8
70°	439.2	443.1	445.5	446.3	445.5	443.1	439.2	433.6	426.5	417.9	407.8
67.5°	556.6	562.0	565.2	566.3	565.2	562.0	556.6	549.0	539.4	527.6	513.8
65°	707.3	715.2	719.9	721.5	719.9	715.2	707.3	696.3	682.3	665.2	645.1
62.5°	883.3	893.5	899.7	901.7	899.7	893.5	883.3	869.1	850.9	828.8	802.8
60°	1066.6	1078.2	1085.3	1087.6	1085.3	1078.2	1066.6	1050.3	1029.5	1004.2	974.6
57.5°	1243.1	1255.4	1262.8	1265.3	1262.8	1255.4	1243.1	1226.0	1204.1	1177.5	1146.3
55°	1401.0	1413.0	1420.2	1422.6	1420.2	1413.0	1401.0	1384.4	1363.1	1337.3	1307.0
52.5°	1543.2	1555.0	1562.1	1564.5	1562.1	1555.0	1543.2	1526.8	1505.8	1480.3	1450.5
50°	1671.7	1683.3	1690.4	1692.7	1690.4	1683.3	1671.7	1655.4	1634.7	1609.7	1580.4
47.5°	1789.5	1801.2	1808.2	1810.6	1808.2	1801.2	1789.5	1773.2	1752.5	1727.4	1698.1
45°	1892.8	1903.8	1910.5	1912.7	1910.5	1903.8	1892.8	1877.4	1857.9	1834.3	1806.2
42.5°	1981.9	1992.3	1998.5	2000.6	1998.5	1992.3	1981.9	1967.5	1949.2	1927.1	1899.7
40°	2059.8	2069.7	2075.7	2077.7	2075.7	2069.7	2059.8	2046.0	2028.6	2007.6	1980.8
37.5°	2126.8	2136.0	2141.6	2143.5	2141.6	2136.0	2126.8	2114.0	2097.8	2078.3	2052.1
35°	2183.4	2191.9	2197.0	2198.7	2197.0	2191.9	2183.4	2171.7	2156.9	2138.3	2113.9
32.5°	2231.4	2239.3	2244.1	2245.7	2244.1	2239.3	2231.4	2220.5	2206.7	2188.8	2166.6
30°	2270.8	2277.7	2282.0	2283.4	2282.0	2277.7	2270.8	2261.2	2249.1	2232.1	2211.6
27.5°	2302.1	2308.2	2311.9	2313.1	2311.9	2308.2	2302.1	2293.8	2283.3	2267.7	2249.8
25°	2322.7	2326.4	2328.6	2329.4	2328.6	2326.4	2322.7	2317.6	2309.9	2296.4	2280.5
22.5°	2331.6	2332.6	2333.3	2333.5	2333.3	2332.6	2331.6	2330.2	2325.6	2317.5	2304.5
20°	2332.3	2331.5	2331.1	2330.9	2331.1	2331.5	2332.3	2333.3	2331.9	2329.7	2320.7
17.5°	2328.0	2325.7	2324.3	2323.8	2324.3	2325.7	2328.0	2331.0	2332.3	2332.9	2330.1
15°	2321.0	2317.5	2315.3	2314.6	2315.3	2317.5	2321.0	2325.1	2329.3	2332.0	2332.9
12.5°	2313.0	2309.2	2306.7	2305.9	2306.7	2309.2	2313.0	2318.1	2324.1	2329.3	2332.3
10°	2305.8	2302.7	2300.5	2299.8	2300.5	2302.7	2305.8	2311.5	2318.1	2325.1	2331.0
7.5°	2301.2	2298.4	2296.8	2296.2	2296.8	2298.4	2301.2	2305.8	2313.0	2321.0	2328.0
5°	2298.4	2295.5	2293.1	2292.1	2293.1	2295.5	2298.4	2302.7	2309.2	2317.5	2325.7
2.5°	2296.8	2293.1	2289.4	2287.5	2289.4	2293.1	2296.8	2300.5	2306.7	2315.3	2324.3
0°	2296.2	2292.1	2287.5	2288.0	2287.5	2292.1	2296.2	2299.8	2305.9	2314.6	2323.8
-2.5°	2296.8	2293.1	2289.4	2287.5	2289.4	2293.1	2296.8	2300.5	2306.7	2315.3	2324.3
-5°	2298.4	2295.5	2293.1	2292.1	2293.1	2295.5	2298.4	2302.7	2309.2	2317.5	2325.7
-7.5°	2301.2	2298.4	2296.8	2296.2	2296.8	2298.4	2301.2	2305.8	2313.0	2321.0	2328.0
-10°	2305.8	2302.7	2300.5	2299.8	2300.5	2302.7	2305.8	2311.5	2318.1	2325.1	2331.0
-12.5°	2313.0	2309.2	2306.7	2305.9	2306.7	2309.2	2313.0	2318.1	2324.1	2329.3	2332.3
-15°	2321.0	2317.5	2315.3	2314.6	2315.3	2317.5	2321.0	2325.1	2329.3	2332.0	2332.9
-17.5°	2328.0	2325.7	2324.3	2323.8	2324.3	2325.7	2328.0	2331.0	2332.3	2332.9	2330.1
-20°	2332.3	2331.5	2331.1	2330.9	2331.1	2331.5	2332.3	2333.3	2331.9	2329.7	2320.7



REPORT NUMBER: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	2331.6	2332.6	2333.3	2333.5	2333.3	2332.6	2331.6	2330.2	2325.6	2317.5	2304.5
-25°	2322.7	2326.4	2328.6	2329.4	2328.6	2326.4	2322.7	2317.6	2309.9	2296.4	2280.5
-27.5°	2302.1	2308.2	2311.9	2313.1	2311.9	2308.2	2302.1	2293.8	2283.3	2267.7	2249.8
-30°	2270.8	2277.7	2282.0	2283.4	2282.0	2277.7	2270.8	2261.2	2249.1	2232.1	2211.6
-32.5°	2231.4	2239.3	2244.1	2245.7	2244.1	2239.3	2231.4	2220.5	2206.7	2188.8	2166.6
-35°	2183.4	2191.9	2197.0	2198.7	2197.0	2191.9	2183.4	2171.7	2156.9	2138.3	2113.9
-37.5°	2126.8	2136.0	2141.6	2143.5	2141.6	2136.0	2126.8	2114.0	2097.8	2078.3	2052.1
-40°	2059.8	2069.7	2075.7	2077.7	2075.7	2069.7	2059.8	2046.0	2028.6	2007.6	1980.8
-42.5°	1981.9	1992.3	1998.5	2000.6	1998.5	1992.3	1981.9	1967.5	1949.2	1927.1	1899.7
-45°	1892.8	1903.8	1910.5	1912.7	1910.5	1903.8	1892.8	1877.4	1857.9	1834.3	1806.2
-47.5°	1789.5	1801.2	1808.2	1810.6	1808.2	1801.2	1789.5	1773.2	1752.5	1727.4	1698.1
-50°	1671.7	1683.3	1690.4	1692.7	1690.4	1683.3	1671.7	1655.4	1634.7	1609.7	1580.4
-52.5°	1543.2	1555.0	1562.1	1564.5	1562.1	1555.0	1543.2	1526.8	1505.8	1480.3	1450.5
-55°	1401.0	1413.0	1420.2	1422.6	1420.2	1413.0	1401.0	1384.4	1363.1	1337.3	1307.0
-57.5°	1243.1	1255.4	1262.8	1265.3	1262.8	1255.4	1243.1	1226.0	1204.1	1177.5	1146.3
-60°	1066.6	1078.2	1085.3	1087.6	1085.3	1078.2	1066.6	1050.3	1029.5	1004.2	974.6
-62.5°	883.3	893.5	899.7	901.7	899.7	893.5	883.3	869.1	850.9	828.8	802.8
-65°	707.3	715.2	719.9	721.5	719.9	715.2	707.3	696.3	682.3	665.2	645.1
-67.5°	556.6	562.0	565.2	566.3	565.2	562.0	556.6	549.0	539.4	527.6	513.8
-70°	439.2	443.1	445.5	446.3	445.5	443.1	439.2	433.6	426.5	417.9	407.8
-72.5°	341.3	344.0	345.7	346.2	345.7	344.0	341.3	337.5	332.6	326.7	319.8
-75°	263.8	265.6	266.6	267.0	266.6	265.6	263.8	261.4	258.2	254.4	249.9
-77.5°	204.5	205.8	206.5	206.8	206.5	205.8	204.5	202.7	200.4	197.6	194.3
-80°	151.8	152.8	153.5	153.7	153.5	152.8	151.8	150.3	148.4	146.0	143.3
-82.5°	96.7	97.4	97.9	98.0	97.9	97.4	96.7	95.7	94.4	92.8	91.0
-85°	46.9	47.2	47.4	47.5	47.4	47.2	46.9	46.4	45.9	45.1	44.3
-87.5°	12.7	12.8	12.8	12.8	12.8	12.8	12.7	12.6	12.5	12.4	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: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	12.0	11.8	11.6	11.4	11.1	10.8	10.5	10.2	9.8	9.4	9.0
85°	43.3	42.2	41.0	39.6	38.2	36.6	34.9	33.1	31.2	29.2	27.1
82.5°	88.8	86.4	83.7	80.8	77.6	74.2	70.5	66.6	62.4	58.1	53.5
80°	140.1	136.6	132.6	128.3	123.6	118.5	113.1	107.3	101.2	95.1	89.0
77.5°	190.6	186.3	181.6	176.4	170.8	164.7	158.2	151.2	143.5	135.5	127.0
75°	244.8	238.9	232.5	225.4	217.7	209.4	201.3	193.0	184.2	175.0	165.3
72.5°	311.8	302.8	292.8	281.9	270.0	259.6	249.2	238.2	226.5	214.2	202.1
70°	396.1	383.0	368.5	352.6	337.6	322.9	307.2	290.6	273.0	257.5	242.8
67.5°	497.9	480.1	460.4	440.0	420.5	399.4	377.0	353.2	331.8	311.0	289.2
65°	622.1	596.2	567.6	543.1	516.8	488.6	458.5	429.9	401.8	372.4	342.6
62.5°	773.1	739.7	705.3	670.5	632.8	592.3	553.1	517.8	480.6	442.4	408.5
60°	940.7	902.6	861.8	817.2	769.0	717.9	670.5	620.3	567.6	524.6	480.1
57.5°	1110.7	1069.9	1023.7	973.3	918.8	861.8	801.7	738.1	678.4	618.3	558.1
55°	1272.5	1229.7	1181.5	1129.0	1071.5	1008.1	940.7	870.6	798.2	722.7	654.9
52.5°	1415.9	1373.7	1327.3	1276.8	1216.7	1151.0	1081.1	1004.2	923.8	841.8	757.3
50°	1545.1	1503.8	1458.4	1407.6	1348.7	1285.9	1213.6	1134.6	1050.3	960.3	868.1
47.5°	1662.4	1622.0	1577.6	1525.7	1468.5	1405.9	1334.6	1258.9	1170.5	1078.2	978.8
45°	1770.1	1729.9	1685.3	1633.5	1577.9	1514.0	1445.1	1367.5	1284.0	1188.7	1087.6
42.5°	1865.9	1828.3	1783.6	1732.4	1676.3	1613.1	1544.8	1467.9	1384.1	1292.2	1188.7
40°	1949.3	1914.5	1870.6	1823.0	1766.3	1704.3	1634.6	1560.3	1475.5	1384.1	1284.0
37.5°	2022.3	1987.8	1946.9	1901.5	1847.3	1786.9	1717.8	1641.8	1560.3	1467.9	1367.5
35°	2086.4	2052.5	2014.1	1969.0	1919.3	1859.6	1793.9	1717.8	1634.6	1544.8	1445.1
32.5°	2141.5	2108.9	2073.1	2029.2	1980.2	1924.7	1859.6	1786.9	1704.3	1613.1	1514.0
30°	2187.0	2157.6	2122.7	2082.7	2034.2	1980.2	1919.3	1847.3	1766.3	1676.3	1577.9
27.5°	2226.2	2199.3	2165.7	2127.3	2082.7	2029.2	1969.0	1901.5	1823.0	1732.4	1633.5
25°	2259.1	2233.6	2202.9	2165.7	2122.7	2073.1	2014.1	1946.9	1870.6	1783.6	1685.3
22.5°	2286.3	2262.3	2233.6	2199.3	2157.6	2108.9	2052.5	1987.8	1914.5	1828.3	1729.9
20°	2307.3	2286.3	2259.1	2226.2	2187.0	2141.5	2086.4	2022.3	1949.3	1865.9	1770.1
17.5°	2320.7	2304.5	2280.5	2249.8	2211.6	2166.6	2113.9	2052.1	1980.8	1899.7	1806.2
15°	2329.7	2317.5	2296.4	2267.7	2232.1	2188.8	2138.3	2078.3	2007.6	1927.1	1834.3
12.5°	2331.9	2325.6	2309.9	2283.3	2249.1	2206.7	2156.9	2097.8	2028.6	1949.2	1857.9
10°	2333.3	2330.2	2317.6	2293.8	2261.2	2220.5	2171.7	2114.0	2046.0	1967.5	1877.4
7.5°	2332.3	2331.6	2322.7	2302.1	2270.8	2231.4	2183.4	2126.8	2059.8	1981.9	1892.8
5°	2331.5	2332.6	2326.4	2308.2	2277.7	2239.3	2191.9	2136.0	2069.7	1992.3	1903.8
2.5°	2331.1	2333.3	2328.6	2311.9	2282.0	2244.1	2197.0	2141.6	2075.7	1998.5	1910.5
0°	2330.9	2333.5	2329.4	2313.1	2283.4	2245.7	2198.7	2143.5	2077.7	2000.6	1912.7
-2.5°	2331.1	2333.3	2328.6	2311.9	2282.0	2244.1	2197.0	2141.6	2075.7	1998.5	1910.5
-5°	2331.5	2332.6	2326.4	2308.2	2277.7	2239.3	2191.9	2136.0	2069.7	1992.3	1903.8
-7.5°	2332.3	2331.6	2322.7	2302.1	2270.8	2231.4	2183.4	2126.8	2059.8	1981.9	1892.8
-10°	2333.3	2330.2	2317.6	2293.8	2261.2	2220.5	2171.7	2114.0	2046.0	1967.5	1877.4
-12.5°	2331.9	2325.6	2309.9	2283.3	2249.1	2206.7	2156.9	2097.8	2028.6	1949.2	1857.9
-15°	2329.7	2317.5	2296.4	2267.7	2232.1	2188.8	2138.3	2078.3	2007.6	1927.1	1834.3
-17.5°	2320.7	2304.5	2280.5	2249.8	2211.6	2166.6	2113.9	2052.1	1980.8	1899.7	1806.2
-20°	2307.3	2286.3	2259.1	2226.2	2187.0	2141.5	2086.4	2022.3	1949.3	1865.9	1770.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2286.3	2262.3	2233.6	2199.3	2157.6	2108.9	2052.5	1987.8	1914.5	1828.3	1729.9
-25°	2259.1	2233.6	2202.9	2165.7	2122.7	2073.1	2014.1	1946.9	1870.6	1783.6	1685.3
-27.5°	2226.2	2199.3	2165.7	2127.3	2082.7	2029.2	1969.0	1901.5	1823.0	1732.4	1633.5
-30°	2187.0	2157.6	2122.7	2082.7	2034.2	1980.2	1919.3	1847.3	1766.3	1676.3	1577.9
-32.5°	2141.5	2108.9	2073.1	2029.2	1980.2	1924.7	1859.6	1786.9	1704.3	1613.1	1514.0
-35°	2086.4	2052.5	2014.1	1969.0	1919.3	1859.6	1793.9	1717.8	1634.6	1544.8	1445.1
-37.5°	2022.3	1987.8	1946.9	1901.5	1847.3	1786.9	1717.8	1641.8	1560.3	1467.9	1367.5
-40°	1949.3	1914.5	1870.6	1823.0	1766.3	1704.3	1634.6	1560.3	1475.5	1384.1	1284.0
-42.5°	1865.9	1828.3	1783.6	1732.4	1676.3	1613.1	1544.8	1467.9	1384.1	1292.2	1188.7
-45°	1770.1	1729.9	1685.3	1633.5	1577.9	1514.0	1445.1	1367.5	1284.0	1188.7	1087.6
-47.5°	1662.4	1622.0	1577.6	1525.7	1468.5	1405.9	1334.6	1258.9	1170.5	1078.2	978.8
-50°	1545.1	1503.8	1458.4	1407.6	1348.7	1285.9	1213.6	1134.6	1050.3	960.3	868.1
-52.5°	1415.9	1373.7	1327.3	1276.8	1216.7	1151.0	1081.1	1004.2	923.8	841.8	757.3
-55°	1272.5	1229.7	1181.5	1129.0	1071.5	1008.1	940.7	870.6	798.2	722.7	654.9
-57.5°	1110.7	1069.9	1023.7	973.3	918.8	861.8	801.7	738.1	678.4	618.3	558.1
-60°	940.7	902.6	861.8	817.2	769.0	717.9	670.5	620.3	567.6	524.6	480.1
-62.5°	773.1	739.7	705.3	670.5	632.8	592.3	553.1	517.8	480.6	442.4	408.5
-65°	622.1	596.2	567.6	543.1	516.8	488.6	458.5	429.9	401.8	372.4	342.6
-67.5°	497.9	480.1	460.4	440.0	420.5	399.4	377.0	353.2	331.8	311.0	289.2
-70°	396.1	383.0	368.5	352.6	337.6	322.9	307.2	290.6	273.0	257.5	242.8
-72.5°	311.8	302.8	292.8	281.9	270.0	259.6	249.2	238.2	226.5	214.2	202.1
-75°	244.8	238.9	232.5	225.4	217.7	209.4	201.3	193.0	184.2	175.0	165.3
-77.5°	190.6	186.3	181.6	176.4	170.8	164.7	158.2	151.2	143.5	135.5	127.0
-80°	140.1	136.6	132.6	128.3	123.6	118.5	113.1	107.3	101.2	95.1	89.0
-82.5°	88.8	86.4	83.7	80.8	77.6	74.2	70.5	66.6	62.4	58.1	53.5
-85°	43.3	42.2	41.0	39.6	38.2	36.6	34.9	33.1	31.2	29.2	27.1
-87.5°	12.0	11.8	11.6	11.4	11.1	10.8	10.5	10.2	9.8	9.4	9.0
-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: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-730-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°	8.6	8.2	7.8	7.3	6.9	6.4	5.9	5.4	4.9	4.4	3.8
85°	25.0	22.7	20.3	17.9	15.4	12.8	11.8	10.8	9.8	8.7	7.7
82.5°	48.7	44.9	41.4	37.7	33.9	30.0	26.1	22.0	17.8	13.6	11.5
80°	82.6	76.0	69.1	62.0	54.6	47.2	41.9	36.5	31.0	25.4	19.6
77.5°	118.2	109.1	99.6	90.6	81.4	72.0	62.4	52.5	44.0	37.0	29.9
75°	155.2	144.3	132.9	121.1	109.0	96.7	85.1	73.3	61.3	49.1	40.1
72.5°	190.3	178.0	165.3	152.2	138.1	123.6	108.7	94.0	80.0	65.7	51.3
70°	227.5	211.6	196.5	181.6	166.2	150.3	133.3	116.1	98.5	82.2	65.7
67.5°	266.6	248.7	230.2	211.1	193.3	175.6	157.5	138.3	118.5	98.5	80.0
65°	317.4	291.2	264.8	243.6	221.8	200.4	180.3	159.8	138.3	116.1	94.0
62.5°	373.3	338.8	309.0	278.3	251.7	227.2	202.8	180.3	157.5	133.3	108.7
60°	436.0	396.1	355.0	319.8	285.5	254.4	227.2	200.4	175.6	150.3	123.6
57.5°	507.9	456.1	409.9	364.2	323.4	285.5	251.7	221.8	193.3	166.2	138.1
55°	584.9	524.8	467.3	414.6	364.2	319.8	278.3	243.6	211.1	181.6	152.2
52.5°	677.1	599.6	530.4	467.3	409.9	355.0	309.0	264.8	230.2	196.5	165.3
50°	774.7	684.5	599.6	524.8	456.1	396.1	338.8	291.2	248.7	211.6	178.0
47.5°	876.9	774.7	677.1	584.9	507.9	436.0	373.3	317.4	266.6	227.5	190.3
45°	978.8	868.1	757.3	654.9	558.1	480.1	408.5	342.6	289.2	242.8	202.1
42.5°	1078.2	960.3	841.8	722.7	618.3	524.6	442.4	372.4	311.0	257.5	214.2
40°	1170.5	1050.3	923.8	798.2	678.4	567.6	480.6	401.8	331.8	273.0	226.5
37.5°	1258.9	1134.6	1004.2	870.6	738.1	620.3	517.8	429.9	353.2	290.6	238.2
35°	1334.6	1213.6	1081.1	940.7	801.7	670.5	553.1	458.5	377.0	307.2	249.2
32.5°	1405.9	1285.9	1151.0	1008.1	861.8	717.9	592.3	488.6	399.4	322.9	259.6
30°	1468.5	1348.7	1216.7	1071.5	918.8	769.0	632.8	516.8	420.5	337.6	270.0
27.5°	1525.7	1407.6	1276.8	1129.0	973.3	817.2	670.5	543.1	440.0	352.6	281.9
25°	1577.6	1458.4	1327.3	1181.5	1023.7	861.8	705.3	567.6	460.4	368.5	292.8
22.5°	1622.0	1503.8	1373.7	1229.7	1069.9	902.6	739.7	596.2	480.1	383.0	302.8
20°	1662.4	1545.1	1415.9	1272.5	1110.7	940.7	773.1	622.1	497.9	396.1	311.8
17.5°	1698.1	1580.4	1450.5	1307.0	1146.3	974.6	802.8	645.1	513.8	407.8	319.8
15°	1727.4	1609.7	1480.3	1337.3	1177.5	1004.2	828.8	665.2	527.6	417.9	326.7
12.5°	1752.5	1634.7	1505.8	1363.1	1204.1	1029.5	850.9	682.3	539.4	426.5	332.6
10°	1773.2	1655.4	1526.8	1384.4	1226.0	1050.3	869.1	696.3	549.0	433.6	337.5
7.5°	1789.5	1671.7	1543.2	1401.0	1243.1	1066.6	883.3	707.3	556.6	439.2	341.3
5°	1801.2	1683.3	1555.0	1413.0	1255.4	1078.2	893.5	715.2	562.0	443.1	344.0
2.5°	1808.2	1690.4	1562.1	1420.2	1262.8	1085.3	899.7	719.9	565.2	445.5	345.7
0°	1810.6	1692.7	1564.5	1422.6	1265.3	1087.6	901.7	721.5	566.3	446.3	346.2
-2.5°	1808.2	1690.4	1562.1	1420.2	1262.8	1085.3	899.7	719.9	565.2	445.5	345.7
-5°	1801.2	1683.3	1555.0	1413.0	1255.4	1078.2	893.5	715.2	562.0	443.1	344.0
-7.5°	1789.5	1671.7	1543.2	1401.0	1243.1	1066.6	883.3	707.3	556.6	439.2	341.3
-10°	1773.2	1655.4	1526.8	1384.4	1226.0	1050.3	869.1	696.3	549.0	433.6	337.5
-12.5°	1752.5	1634.7	1505.8	1363.1	1204.1	1029.5	850.9	682.3	539.4	426.5	332.6
-15°	1727.4	1609.7	1480.3	1337.3	1177.5	1004.2	828.8	665.2	527.6	417.9	326.7
-17.5°	1698.1	1580.4	1450.5	1307.0	1146.3	974.6	802.8	645.1	513.8	407.8	319.8
-20°	1662.4	1545.1	1415.9	1272.5	1110.7	940.7	773.1	622.1	497.9	396.1	311.8

Classified

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Scaled Data Report



REPORT NUMBER: P645348 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1622.0	1503.8	1373.7	1229.7	1069.9	902.6	739.7	596.2	480.1	383.0	302.8
-25°	1577.6	1458.4	1327.3	1181.5	1023.7	861.8	705.3	567.6	460.4	368.5	292.8
-27.5°	1525.7	1407.6	1276.8	1129.0	973.3	817.2	670.5	543.1	440.0	352.6	281.9
-30°	1468.5	1348.7	1216.7	1071.5	918.8	769.0	632.8	516.8	420.5	337.6	270.0
-32.5°	1405.9	1285.9	1151.0	1008.1	861.8	717.9	592.3	488.6	399.4	322.9	259.6
-35°	1334.6	1213.6	1081.1	940.7	801.7	670.5	553.1	458.5	377.0	307.2	249.2
-37.5°	1258.9	1134.6	1004.2	870.6	738.1	620.3	517.8	429.9	353.2	290.6	238.2
-40°	1170.5	1050.3	923.8	798.2	678.4	567.6	480.6	401.8	331.8	273.0	226.5
-42.5°	1078.2	960.3	841.8	722.7	618.3	524.6	442.4	372.4	311.0	257.5	214.2
-45°	978.8	868.1	757.3	654.9	558.1	480.1	408.5	342.6	289.2	242.8	202.1
-47.5°	876.9	774.7	677.1	584.9	507.9	436.0	373.3	317.4	266.6	227.5	190.3
-50°	774.7	684.5	599.6	524.8	456.1	396.1	338.8	291.2	248.7	211.6	178.0
-52.5°	677.1	599.6	530.4	467.3	409.9	355.0	309.0	264.8	230.2	196.5	165.3
-55°	584.9	524.8	467.3	414.6	364.2	319.8	278.3	243.6	211.1	181.6	152.2
-57.5°	507.9	456.1	409.9	364.2	323.4	285.5	251.7	221.8	193.3	166.2	138.1
-60°	436.0	396.1	355.0	319.8	285.5	254.4	227.2	200.4	175.6	150.3	123.6
-62.5°	373.3	338.8	309.0	278.3	251.7	227.2	202.8	180.3	157.5	133.3	108.7
-65°	317.4	291.2	264.8	243.6	221.8	200.4	180.3	159.8	138.3	116.1	94.0
-67.5°	266.6	248.7	230.2	211.1	193.3	175.6	157.5	138.3	118.5	98.5	80.0
-70°	227.5	211.6	196.5	181.6	166.2	150.3	133.3	116.1	98.5	82.2	65.7
-72.5°	190.3	178.0	165.3	152.2	138.1	123.6	108.7	94.0	80.0	65.7	51.3
-75°	155.2	144.3	132.9	121.1	109.0	96.7	85.1	73.3	61.3	49.1	40.1
-77.5°	118.2	109.1	99.6	90.6	81.4	72.0	62.4	52.5	44.0	37.0	29.9
-80°	82.6	76.0	69.1	62.0	54.6	47.2	41.9	36.5	31.0	25.4	19.6
-82.5°	48.7	44.9	41.4	37.7	33.9	30.0	26.1	22.0	17.8	13.6	11.5
-85°	25.0	22.7	20.3	17.9	15.4	12.8	11.8	10.8	9.8	8.7	7.7
-87.5°	8.6	8.2	7.8	7.3	6.9	6.4	5.9	5.4	4.9	4.4	3.8
-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: P645348 (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°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
85°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
82.5°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
80°	13.9	11.0	8.8	6.6	4.4	2.2	0.0
77.5°	22.7	15.4	11.0	8.3	5.5	2.8	0.0
75°	31.4	22.7	13.9	9.9	6.6	3.3	0.0
72.5°	40.1	29.9	19.6	11.5	7.7	3.8	0.0
70°	49.1	37.0	25.4	13.6	8.7	4.4	0.0
67.5°	61.3	44.0	31.0	17.8	9.8	4.9	0.0
65°	73.3	52.5	36.5	22.0	10.8	5.4	0.0
62.5°	85.1	62.4	41.9	26.1	11.8	5.9	0.0
60°	96.7	72.0	47.2	30.0	12.8	6.4	0.0
57.5°	109.0	81.4	54.6	33.9	15.4	6.9	0.0
55°	121.1	90.6	62.0	37.7	17.9	7.3	0.0
52.5°	132.9	99.6	69.1	41.4	20.3	7.8	0.0
50°	144.3	109.1	76.0	44.9	22.7	8.2	0.0
47.5°	155.2	118.2	82.6	48.7	25.0	8.6	0.0
45°	165.3	127.0	89.0	53.5	27.1	9.0	0.0
42.5°	175.0	135.5	95.1	58.1	29.2	9.4	0.0
40°	184.2	143.5	101.2	62.4	31.2	9.8	0.0
37.5°	193.0	151.2	107.3	66.6	33.1	10.2	0.0
35°	201.3	158.2	113.1	70.5	34.9	10.5	0.0
32.5°	209.4	164.7	118.5	74.2	36.6	10.8	0.0
30°	217.7	170.8	123.6	77.6	38.2	11.1	0.0
27.5°	225.4	176.4	128.3	80.8	39.6	11.4	0.0
25°	232.5	181.6	132.6	83.7	41.0	11.6	0.0
22.5°	238.9	186.3	136.6	86.4	42.2	11.8	0.0
20°	244.8	190.6	140.1	88.8	43.3	12.0	0.0
17.5°	249.9	194.3	143.3	91.0	44.3	12.2	0.0
15°	254.4	197.6	146.0	92.8	45.1	12.4	0.0
12.5°	258.2	200.4	148.4	94.4	45.9	12.5	0.0
10°	261.4	202.7	150.3	95.7	46.4	12.6	0.0
7.5°	263.8	204.5	151.8	96.7	46.9	12.7	0.0
5°	265.6	205.8	152.8	97.4	47.2	12.8	0.0
2.5°	266.6	206.5	153.5	97.9	47.4	12.8	0.0
0°	267.0	206.8	153.7	98.0	47.5	12.8	0.0
-2.5°	266.6	206.5	153.5	97.9	47.4	12.8	0.0
-5°	265.6	205.8	152.8	97.4	47.2	12.8	0.0
-7.5°	263.8	204.5	151.8	96.7	46.9	12.7	0.0
-10°	261.4	202.7	150.3	95.7	46.4	12.6	0.0
-12.5°	258.2	200.4	148.4	94.4	45.9	12.5	0.0
-15°	254.4	197.6	146.0	92.8	45.1	12.4	0.0
-17.5°	249.9	194.3	143.3	91.0	44.3	12.2	0.0
-20°	244.8	190.6	140.1	88.8	43.3	12.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	238.9	186.3	136.6	86.4	42.2	11.8	0.0
-25°	232.5	181.6	132.6	83.7	41.0	11.6	0.0
-27.5°	225.4	176.4	128.3	80.8	39.6	11.4	0.0
-30°	217.7	170.8	123.6	77.6	38.2	11.1	0.0
-32.5°	209.4	164.7	118.5	74.2	36.6	10.8	0.0
-35°	201.3	158.2	113.1	70.5	34.9	10.5	0.0
-37.5°	193.0	151.2	107.3	66.6	33.1	10.2	0.0
-40°	184.2	143.5	101.2	62.4	31.2	9.8	0.0
-42.5°	175.0	135.5	95.1	58.1	29.2	9.4	0.0
-45°	165.3	127.0	89.0	53.5	27.1	9.0	0.0
-47.5°	155.2	118.2	82.6	48.7	25.0	8.6	0.0
-50°	144.3	109.1	76.0	44.9	22.7	8.2	0.0
-52.5°	132.9	99.6	69.1	41.4	20.3	7.8	0.0
-55°	121.1	90.6	62.0	37.7	17.9	7.3	0.0
-57.5°	109.0	81.4	54.6	33.9	15.4	6.9	0.0
-60°	96.7	72.0	47.2	30.0	12.8	6.4	0.0
-62.5°	85.1	62.4	41.9	26.1	11.8	5.9	0.0
-65°	73.3	52.5	36.5	22.0	10.8	5.4	0.0
-67.5°	61.3	44.0	31.0	17.8	9.8	4.9	0.0
-70°	49.1	37.0	25.4	13.6	8.7	4.4	0.0
-72.5°	40.1	29.9	19.6	11.5	7.7	3.8	0.0
-75°	31.4	22.7	13.9	9.9	6.6	3.3	0.0
-77.5°	22.7	15.4	11.0	8.3	5.5	2.8	0.0
-80°	13.9	11.0	8.8	6.6	4.4	2.2	0.0
-82.5°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
-85°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
-87.5°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)