

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: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1E-740-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645352 (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-740-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQUARE, LAMBERTIAN
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

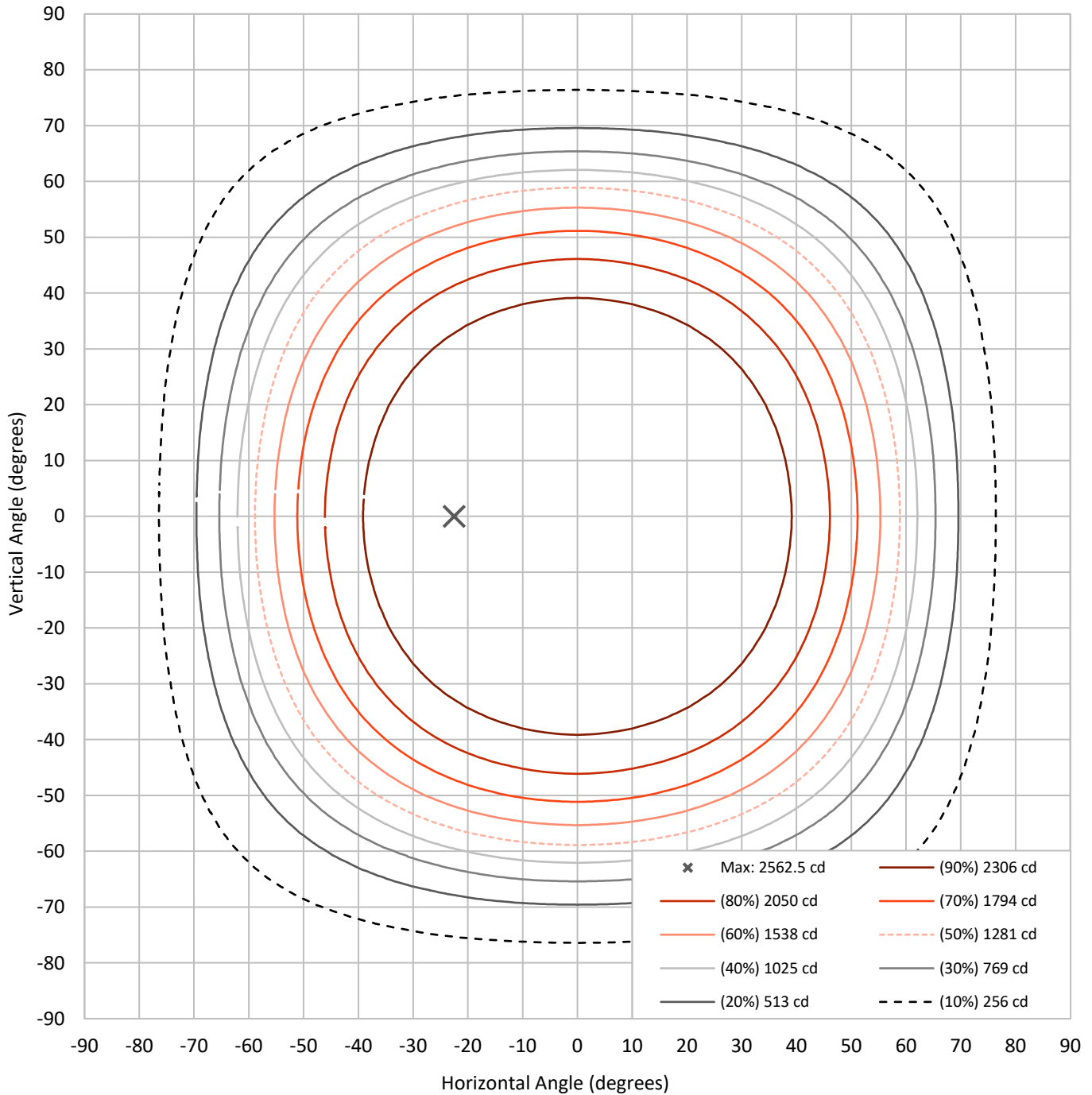
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7838.9 lumens	Max Intensity:	2562.5 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	118.4 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:	6523.7 lumens	Field Lumens:	7684.7 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





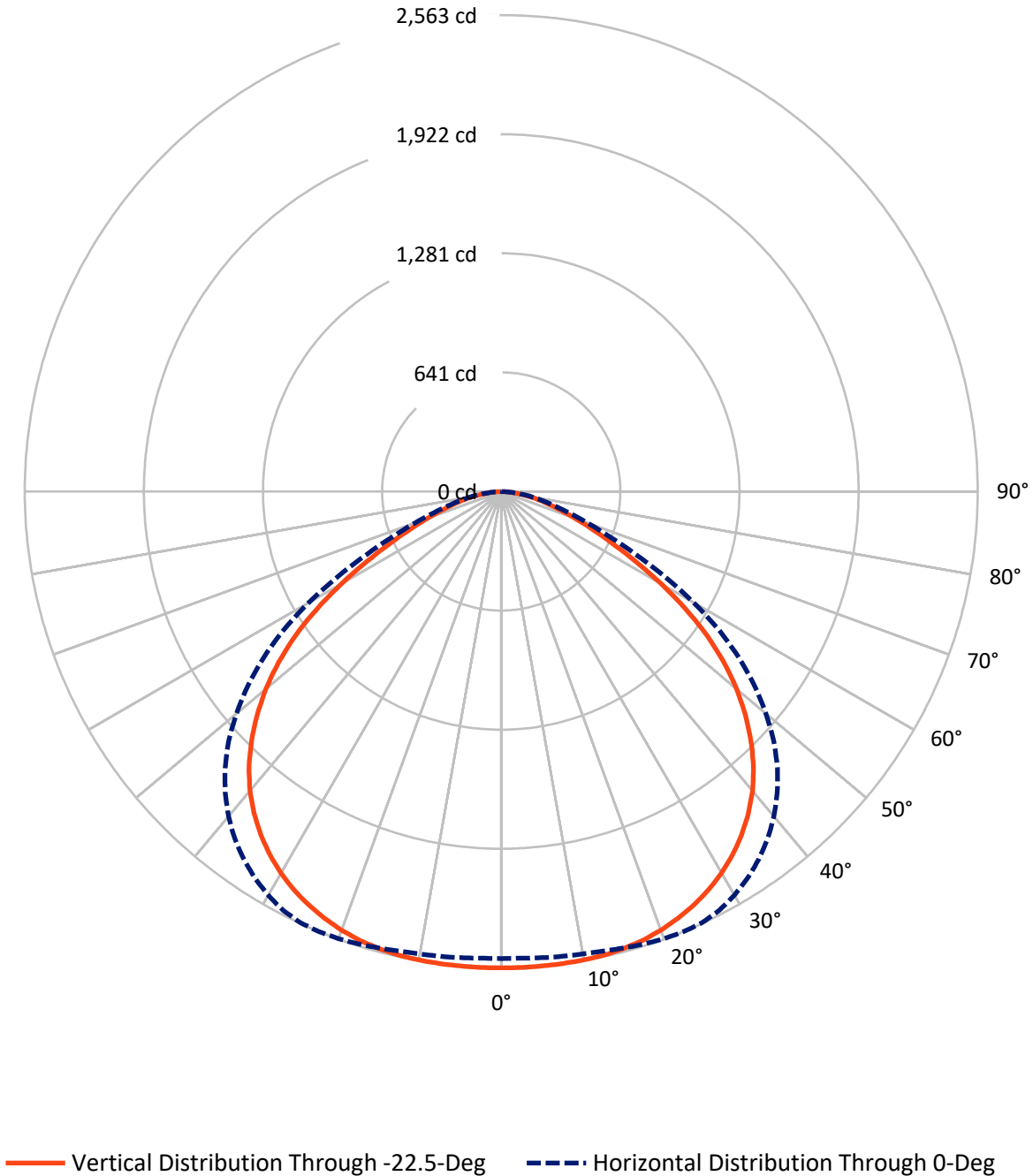
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Lumen Table

90																			
80	0.4	4.1	11.5	19.1	22.4	19.1	11.5	4.1	0.4										
70																			
60	1.9	2.3	4.8	8.3	12.9	17.8	22.0	24.3	24.3	22.0	17.8	12.9	8.3	4.8	2.3				1.9
50																			
40	3.7	3.5	8.1	15.8	25.8	35.5	42.7	46.5	46.5	42.7	35.5	25.8	15.8	8.1	3.5				3.7
30																			
20	5.0	5.1	12.9	25.6	39.3	50.7	58.8	62.9	62.9	58.8	50.7	39.3	25.6	12.9	5.1				5.0
10																			
0	5.5	6.8	18.2	34.0	48.8	60.7	68.7	72.6	72.6	68.7	60.7	48.8	34.0	18.2	6.8				5.5
-10																			
-20	5.0	8.5	22.6	39.7	54.9	66.5	73.8	77.1	77.1	73.8	66.5	54.9	39.7	22.6	8.5				5.0
-30																			
-40	3.7	9.9	25.6	43.1	58.3	69.3	75.1	77.2	77.2	75.1	69.3	58.3	43.1	25.6	9.9				3.7
-50																			
-60	1.9	10.6	27.0	44.8	59.8	70.2	74.8	76.4	76.4	74.8	70.2	59.8	44.8	27.0	10.6				1.9
-70																			
-80	0.4	10.6	27.0	44.8	59.8	70.2	74.8	76.4	76.4	74.8	70.2	59.8	44.8	27.0	10.6				0.4
-90																			

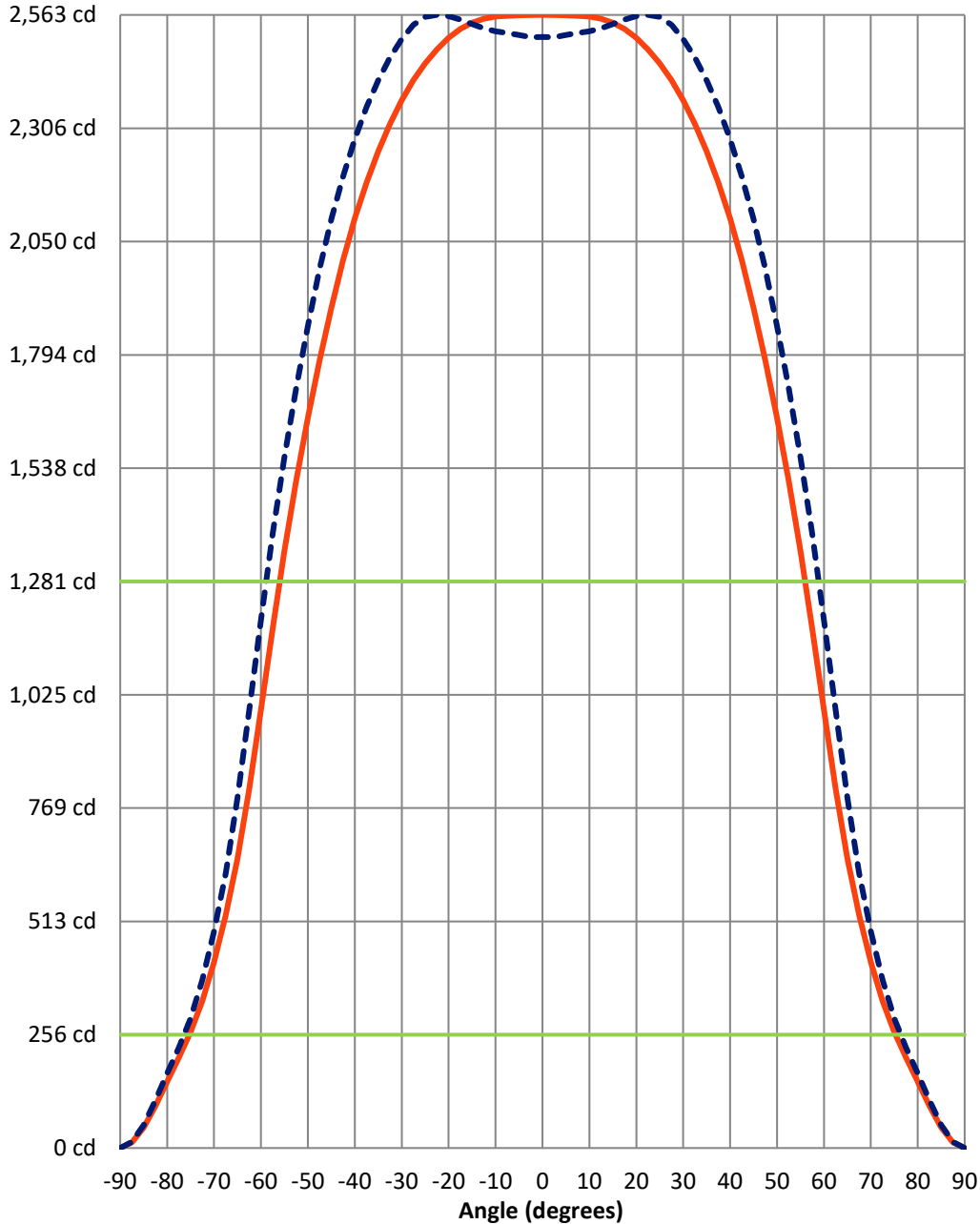
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 6523.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 7684.7
 Efficiency: 98.0%

Spill:
 Lumens: 154.2
 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	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
85°	0.0	1.2	2.4	3.7	4.9	6.1	7.2	8.4	9.6	10.7	11.8
82.5°	0.0	1.8	3.7	5.5	7.3	9.1	10.8	12.6	14.9	19.5	24.1
80°	0.0	2.4	4.9	7.3	9.7	12.1	15.2	21.5	27.8	34.0	40.0
77.5°	0.0	3.0	6.1	9.1	12.1	16.8	24.8	32.8	40.6	48.3	57.6
75°	0.0	3.6	7.2	10.8	15.2	24.8	34.4	43.9	53.8	67.3	80.6
72.5°	0.0	4.2	8.4	12.6	21.5	32.8	43.9	56.3	72.2	87.9	103.3
70°	0.0	4.8	9.6	14.9	27.8	40.6	53.8	72.2	90.3	108.2	127.5
67.5°	0.0	5.4	10.7	19.5	34.0	48.3	67.3	87.9	108.2	130.2	151.9
65°	0.0	5.9	11.8	24.1	40.0	57.6	80.6	103.3	127.5	151.9	175.5
62.5°	0.0	6.5	12.9	28.6	46.0	68.5	93.6	119.5	146.5	172.9	198.0
60°	0.0	7.0	14.0	32.9	51.8	79.1	106.3	135.7	165.0	192.8	220.1
57.5°	0.0	7.5	16.8	37.2	60.0	89.4	119.8	151.6	182.5	212.3	243.6
55°	0.0	8.0	19.6	41.3	68.0	99.5	133.1	167.1	199.4	231.9	267.6
52.5°	0.0	8.5	22.3	45.4	75.9	109.4	146.0	181.6	215.8	252.8	290.9
50°	0.0	9.0	24.8	49.2	83.4	119.9	158.5	195.5	232.4	273.2	319.8
47.5°	0.0	9.5	27.3	53.4	90.7	129.9	170.4	208.9	249.9	292.9	348.6
45°	0.0	9.9	29.7	58.7	97.8	139.6	181.5	221.9	266.7	317.6	376.3
42.5°	0.0	10.3	32.0	63.7	104.5	148.8	192.1	235.3	282.9	341.6	409.0
40°	0.0	10.7	34.2	68.5	111.2	157.7	202.3	248.8	299.9	364.4	441.3
37.5°	0.0	11.1	36.3	73.1	117.9	166.0	211.9	261.6	319.2	387.9	472.1
35°	0.0	11.5	38.3	77.4	124.3	173.8	221.0	273.7	337.5	414.0	503.5
32.5°	0.0	11.8	40.1	81.5	130.2	180.9	230.0	285.1	354.7	438.6	536.5
30°	0.0	12.1	41.9	85.2	135.8	187.5	239.1	296.6	370.8	461.7	567.5
27.5°	0.0	12.4	43.5	88.8	140.9	193.7	247.5	309.6	387.3	483.2	596.3
25°	0.0	12.7	44.9	92.0	145.7	199.4	255.3	321.6	404.7	505.6	623.2
22.5°	0.0	12.9	46.3	94.9	150.0	204.6	262.4	332.6	420.7	527.2	654.7
20°	0.0	13.2	47.5	97.6	153.9	209.3	268.8	342.4	435.0	546.8	683.1
17.5°	0.0	13.4	48.6	99.9	157.4	213.4	274.5	351.2	447.8	564.2	708.4
15°	0.0	13.5	49.5	102.0	160.4	217.0	279.5	358.8	458.9	579.3	730.4
12.5°	0.0	13.7	50.3	103.7	162.9	220.1	283.7	365.3	468.4	592.2	749.2
10°	0.0	13.8	50.9	105.2	165.0	222.6	287.1	370.7	476.2	602.8	764.7
7.5°	0.0	13.9	51.4	106.3	166.7	224.6	289.8	374.8	482.3	611.1	776.7
5°	0.0	13.9	51.8	107.1	167.9	226.0	291.8	377.8	486.6	617.0	785.4
2.5°	0.0	14.0	52.0	107.5	168.6	226.8	292.9	379.6	489.2	620.6	790.6
0°	0.0	14.0	52.1	107.7	168.8	227.1	293.3	380.2	490.1	621.8	792.3
-2.5°	0.0	14.0	52.0	107.5	168.6	226.8	292.9	379.6	489.2	620.6	790.6
-5°	0.0	13.9	51.8	107.1	167.9	226.0	291.8	377.8	486.6	617.0	785.4
-7.5°	0.0	13.9	51.4	106.3	166.7	224.6	289.8	374.8	482.3	611.1	776.7
-10°	0.0	13.8	50.9	105.2	165.0	222.6	287.1	370.7	476.2	602.8	764.7
-12.5°	0.0	13.7	50.3	103.7	162.9	220.1	283.7	365.3	468.4	592.2	749.2
-15°	0.0	13.5	49.5	102.0	160.4	217.0	279.5	358.8	458.9	579.3	730.4
-17.5°	0.0	13.4	48.6	99.9	157.4	213.4	274.5	351.2	447.8	564.2	708.4
-20°	0.0	13.2	47.5	97.6	153.9	209.3	268.8	342.4	435.0	546.8	683.1

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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	12.9	46.3	94.9	150.0	204.6	262.4	332.6	420.7	527.2	654.7
-25°	0.0	12.7	44.9	92.0	145.7	199.4	255.3	321.6	404.7	505.6	623.2
-27.5°	0.0	12.4	43.5	88.8	140.9	193.7	247.5	309.6	387.3	483.2	596.3
-30°	0.0	12.1	41.9	85.2	135.8	187.5	239.1	296.6	370.8	461.7	567.5
-32.5°	0.0	11.8	40.1	81.5	130.2	180.9	230.0	285.1	354.7	438.6	536.5
-35°	0.0	11.5	38.3	77.4	124.3	173.8	221.0	273.7	337.5	414.0	503.5
-37.5°	0.0	11.1	36.3	73.1	117.9	166.0	211.9	261.6	319.2	387.9	472.1
-40°	0.0	10.7	34.2	68.5	111.2	157.7	202.3	248.8	299.9	364.4	441.3
-42.5°	0.0	10.3	32.0	63.7	104.5	148.8	192.1	235.3	282.9	341.6	409.0
-45°	0.0	9.9	29.7	58.7	97.8	139.6	181.5	221.9	266.7	317.6	376.3
-47.5°	0.0	9.5	27.3	53.4	90.7	129.9	170.4	208.9	249.9	292.9	348.6
-50°	0.0	9.0	24.8	49.2	83.4	119.9	158.5	195.5	232.4	273.2	319.8
-52.5°	0.0	8.5	22.3	45.4	75.9	109.4	146.0	181.6	215.8	252.8	290.9
-55°	0.0	8.0	19.6	41.3	68.0	99.5	133.1	167.1	199.4	231.9	267.6
-57.5°	0.0	7.5	16.8	37.2	60.0	89.4	119.8	151.6	182.5	212.3	243.6
-60°	0.0	7.0	14.0	32.9	51.8	79.1	106.3	135.7	165.0	192.8	220.1
-62.5°	0.0	6.5	12.9	28.6	46.0	68.5	93.6	119.5	146.5	172.9	198.0
-65°	0.0	5.9	11.8	24.1	40.0	57.6	80.6	103.3	127.5	151.9	175.5
-67.5°	0.0	5.4	10.7	19.5	34.0	48.3	67.3	87.9	108.2	130.2	151.9
-70°	0.0	4.8	9.6	14.9	27.8	40.6	53.8	72.2	90.3	108.2	127.5
-72.5°	0.0	4.2	8.4	12.6	21.5	32.8	43.9	56.3	72.2	87.9	103.3
-75°	0.0	3.6	7.2	10.8	15.2	24.8	34.4	43.9	53.8	67.3	80.6
-77.5°	0.0	3.0	6.1	9.1	12.1	16.8	24.8	32.8	40.6	48.3	57.6
-80°	0.0	2.4	4.9	7.3	9.7	12.1	15.2	21.5	27.8	34.0	40.0
-82.5°	0.0	1.8	3.7	5.5	7.3	9.1	10.8	12.6	14.9	19.5	24.1
-85°	0.0	1.2	2.4	3.7	4.9	6.1	7.2	8.4	9.6	10.7	11.8
-87.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	6.5	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.3	10.7	11.1
85°	12.9	14.0	16.8	19.6	22.3	24.8	27.3	29.7	32.0	34.2	36.3
82.5°	28.6	32.9	37.2	41.3	45.4	49.2	53.4	58.7	63.7	68.5	73.1
80°	46.0	51.8	60.0	68.0	75.9	83.4	90.7	97.8	104.5	111.2	117.9
77.5°	68.5	79.1	89.4	99.5	109.4	119.9	129.9	139.6	148.8	157.7	166.0
75°	93.6	106.3	119.8	133.1	146.0	158.5	170.4	181.5	192.1	202.3	211.9
72.5°	119.5	135.7	151.6	167.1	181.6	195.5	208.9	221.9	235.3	248.8	261.6
70°	146.5	165.0	182.5	199.4	215.8	232.4	249.9	266.7	282.9	299.9	319.2
67.5°	172.9	192.8	212.3	231.9	252.8	273.2	292.9	317.6	341.6	364.4	387.9
65°	198.0	220.1	243.6	267.6	290.9	319.8	348.6	376.3	409.0	441.3	472.1
62.5°	222.7	249.6	276.5	305.7	339.4	372.1	410.0	448.6	485.9	527.8	568.6
60°	249.6	279.5	313.6	351.2	389.9	435.0	478.8	527.2	576.1	623.2	681.2
57.5°	276.5	313.6	355.2	400.0	450.2	500.9	557.8	612.8	678.9	744.9	810.6
55°	305.7	351.2	400.0	455.3	513.1	576.2	642.2	719.2	793.6	876.6	956.0
52.5°	339.4	389.9	450.2	513.1	582.4	658.3	743.5	831.6	924.4	1014.4	1102.8
50°	372.1	435.0	500.9	576.2	658.3	751.7	850.7	953.3	1054.6	1153.4	1245.9
47.5°	410.0	478.8	557.8	642.2	743.5	850.7	963.0	1074.8	1184.0	1285.4	1382.5
45°	448.6	527.2	612.8	719.2	831.6	953.3	1074.8	1194.3	1305.3	1410.1	1501.7
42.5°	485.9	576.1	678.9	793.6	924.4	1054.6	1184.0	1305.3	1419.0	1519.9	1611.9
40°	527.8	623.2	744.9	876.6	1014.4	1153.4	1285.4	1410.1	1519.9	1620.3	1713.5
37.5°	568.6	681.2	810.6	956.0	1102.8	1245.9	1382.5	1501.7	1611.9	1713.5	1802.9
35°	607.3	736.3	880.3	1033.0	1187.1	1332.7	1465.6	1586.9	1696.4	1795.0	1886.4
32.5°	650.4	788.3	946.4	1107.0	1264.0	1412.2	1543.9	1662.6	1771.5	1871.6	1962.3
30°	694.8	844.5	1009.0	1176.7	1336.1	1481.1	1612.6	1732.8	1840.8	1939.6	2028.6
27.5°	736.3	897.4	1068.8	1239.7	1402.1	1545.7	1675.5	1793.8	1902.4	2001.9	2088.2
25°	774.5	946.4	1124.2	1297.5	1457.6	1601.6	1732.5	1850.7	1958.7	2054.2	2138.1
22.5°	812.2	991.2	1174.9	1350.4	1508.6	1651.5	1781.2	1899.7	2007.8	2102.5	2182.8
20°	848.9	1033.0	1219.6	1397.4	1554.8	1696.8	1825.5	1943.8	2049.0	2140.7	2220.7
17.5°	881.6	1070.2	1258.8	1435.3	1592.9	1735.5	1864.7	1983.4	2086.2	2175.1	2253.4
15°	910.1	1102.8	1293.0	1468.5	1625.6	1767.7	1896.9	2014.3	2116.3	2204.6	2282.3
12.5°	934.4	1130.5	1322.3	1496.9	1653.6	1795.2	1924.5	2040.2	2140.5	2227.6	2303.7
10°	954.4	1153.4	1346.3	1520.3	1676.6	1817.9	1947.2	2061.7	2160.6	2246.8	2321.5
7.5°	970.0	1171.2	1365.2	1538.5	1694.7	1835.7	1965.1	2078.6	2176.4	2261.9	2335.6
5°	981.2	1184.0	1378.7	1551.7	1707.7	1848.5	1978.0	2090.7	2187.7	2272.8	2345.7
2.5°	988.0	1191.7	1386.8	1559.6	1715.5	1856.2	1985.7	2098.1	2194.6	2279.4	2351.8
0°	990.2	1194.3	1389.5	1562.2	1718.1	1858.8	1988.3	2100.5	2196.9	2281.6	2353.9
-2.5°	988.0	1191.7	1386.8	1559.6	1715.5	1856.2	1985.7	2098.1	2194.6	2279.4	2351.8
-5°	981.2	1184.0	1378.7	1551.7	1707.7	1848.5	1978.0	2090.7	2187.7	2272.8	2345.7
-7.5°	970.0	1171.2	1365.2	1538.5	1694.7	1835.7	1965.1	2078.6	2176.4	2261.9	2335.6
-10°	954.4	1153.4	1346.3	1520.3	1676.6	1817.9	1947.2	2061.7	2160.6	2246.8	2321.5
-12.5°	934.4	1130.5	1322.3	1496.9	1653.6	1795.2	1924.5	2040.2	2140.5	2227.6	2303.7
-15°	910.1	1102.8	1293.0	1468.5	1625.6	1767.7	1896.9	2014.3	2116.3	2204.6	2282.3
-17.5°	881.6	1070.2	1258.8	1435.3	1592.9	1735.5	1864.7	1983.4	2086.2	2175.1	2253.4
-20°	848.9	1033.0	1219.6	1397.4	1554.8	1696.8	1825.5	1943.8	2049.0	2140.7	2220.7



REPORT NUMBER: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	812.2	991.2	1174.9	1350.4	1508.6	1651.5	1781.2	1899.7	2007.8	2102.5	2182.8
-25°	774.5	946.4	1124.2	1297.5	1457.6	1601.6	1732.5	1850.7	1958.7	2054.2	2138.1
-27.5°	736.3	897.4	1068.8	1239.7	1402.1	1545.7	1675.5	1793.8	1902.4	2001.9	2088.2
-30°	694.8	844.5	1009.0	1176.7	1336.1	1481.1	1612.6	1732.8	1840.8	1939.6	2028.6
-32.5°	650.4	788.3	946.4	1107.0	1264.0	1412.2	1543.9	1662.6	1771.5	1871.6	1962.3
-35°	607.3	736.3	880.3	1033.0	1187.1	1332.7	1465.6	1586.9	1696.4	1795.0	1886.4
-37.5°	568.6	681.2	810.6	956.0	1102.8	1245.9	1382.5	1501.7	1611.9	1713.5	1802.9
-40°	527.8	623.2	744.9	876.6	1014.4	1153.4	1285.4	1410.1	1519.9	1620.3	1713.5
-42.5°	485.9	576.1	678.9	793.6	924.4	1054.6	1184.0	1305.3	1419.0	1519.9	1611.9
-45°	448.6	527.2	612.8	719.2	831.6	953.3	1074.8	1194.3	1305.3	1410.1	1501.7
-47.5°	410.0	478.8	557.8	642.2	743.5	850.7	963.0	1074.8	1184.0	1285.4	1382.5
-50°	372.1	435.0	500.9	576.2	658.3	751.7	850.7	953.3	1054.6	1153.4	1245.9
-52.5°	339.4	389.9	450.2	513.1	582.4	658.3	743.5	831.6	924.4	1014.4	1102.8
-55°	305.7	351.2	400.0	455.3	513.1	576.2	642.2	719.2	793.6	876.6	956.0
-57.5°	276.5	313.6	355.2	400.0	450.2	500.9	557.8	612.8	678.9	744.9	810.6
-60°	249.6	279.5	313.6	351.2	389.9	435.0	478.8	527.2	576.1	623.2	681.2
-62.5°	222.7	249.6	276.5	305.7	339.4	372.1	410.0	448.6	485.9	527.8	568.6
-65°	198.0	220.1	243.6	267.6	290.9	319.8	348.6	376.3	409.0	441.3	472.1
-67.5°	172.9	192.8	212.3	231.9	252.8	273.2	292.9	317.6	341.6	364.4	387.9
-70°	146.5	165.0	182.5	199.4	215.8	232.4	249.9	266.7	282.9	299.9	319.2
-72.5°	119.5	135.7	151.6	167.1	181.6	195.5	208.9	221.9	235.3	248.8	261.6
-75°	93.6	106.3	119.8	133.1	146.0	158.5	170.4	181.5	192.1	202.3	211.9
-77.5°	68.5	79.1	89.4	99.5	109.4	119.9	129.9	139.6	148.8	157.7	166.0
-80°	46.0	51.8	60.0	68.0	75.9	83.4	90.7	97.8	104.5	111.2	117.9
-82.5°	28.6	32.9	37.2	41.3	45.4	49.2	53.4	58.7	63.7	68.5	73.1
-85°	12.9	14.0	16.8	19.6	22.3	24.8	27.3	29.7	32.0	34.2	36.3
-87.5°	6.5	7.0	7.5	8.0	8.5	9.0	9.5	9.9	10.3	10.7	11.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	11.5	11.8	12.1	12.4	12.7	12.9	13.2	13.4	13.5	13.7	13.8
85°	38.3	40.1	41.9	43.5	44.9	46.3	47.5	48.6	49.5	50.3	50.9
82.5°	77.4	81.5	85.2	88.8	92.0	94.9	97.6	99.9	102.0	103.7	105.2
80°	124.3	130.2	135.8	140.9	145.7	150.0	153.9	157.4	160.4	162.9	165.0
77.5°	173.8	180.9	187.5	193.7	199.4	204.6	209.3	213.4	217.0	220.1	222.6
75°	221.0	230.0	239.1	247.5	255.3	262.4	268.8	274.5	279.5	283.7	287.1
72.5°	273.7	285.1	296.6	309.6	321.6	332.6	342.4	351.2	358.8	365.3	370.7
70°	337.5	354.7	370.8	387.3	404.7	420.7	435.0	447.8	458.9	468.4	476.2
67.5°	414.0	438.6	461.7	483.2	505.6	527.2	546.8	564.2	579.3	592.2	602.8
65°	503.5	536.5	567.5	596.3	623.2	654.7	683.1	708.4	730.4	749.2	764.7
62.5°	607.3	650.4	694.8	736.3	774.5	812.2	848.9	881.6	910.1	934.4	954.4
60°	736.3	788.3	844.5	897.4	946.4	991.2	1033.0	1070.2	1102.8	1130.5	1153.4
57.5°	880.3	946.4	1009.0	1068.8	1124.2	1174.9	1219.6	1258.8	1293.0	1322.3	1346.3
55°	1033.0	1107.0	1176.7	1239.7	1297.5	1350.4	1397.4	1435.3	1468.5	1496.9	1520.3
52.5°	1187.1	1264.0	1336.1	1402.1	1457.6	1508.6	1554.8	1592.9	1625.6	1653.6	1676.6
50°	1332.7	1412.2	1481.1	1545.7	1601.6	1651.5	1696.8	1735.5	1767.7	1795.2	1817.9
47.5°	1465.6	1543.9	1612.6	1675.5	1732.5	1781.2	1825.5	1864.7	1896.9	1924.5	1947.2
45°	1586.9	1662.6	1732.8	1793.8	1850.7	1899.7	1943.8	1983.4	2014.3	2040.2	2061.7
42.5°	1696.4	1771.5	1840.8	1902.4	1958.7	2007.8	2049.0	2086.2	2116.3	2140.5	2160.6
40°	1795.0	1871.6	1939.6	2001.9	2054.2	2102.5	2140.7	2175.1	2204.6	2227.6	2246.8
37.5°	1886.4	1962.3	2028.6	2088.2	2138.1	2182.8	2220.7	2253.4	2282.3	2303.7	2321.5
35°	1969.9	2042.1	2107.7	2162.3	2211.7	2253.9	2291.2	2321.3	2348.2	2368.6	2384.8
32.5°	2042.1	2113.7	2174.5	2228.3	2276.6	2315.9	2351.7	2379.3	2403.7	2423.3	2438.4
30°	2107.7	2174.5	2233.8	2287.1	2331.1	2369.4	2401.6	2428.6	2451.1	2469.8	2483.1
27.5°	2162.3	2228.3	2287.1	2336.2	2378.3	2415.2	2444.7	2470.7	2490.3	2507.5	2518.9
25°	2211.7	2276.6	2331.1	2378.3	2419.1	2452.9	2480.9	2504.4	2521.8	2536.6	2545.1
22.5°	2253.9	2315.9	2369.4	2415.2	2452.9	2484.4	2510.8	2530.7	2544.9	2553.8	2558.9
20°	2291.2	2351.7	2401.6	2444.7	2480.9	2510.8	2533.7	2548.4	2558.3	2560.8	2562.2
17.5°	2321.3	2379.3	2428.6	2470.7	2504.4	2530.7	2548.4	2558.8	2561.8	2561.3	2559.8
15°	2348.2	2403.7	2451.1	2490.3	2521.8	2544.9	2558.3	2561.8	2560.9	2557.9	2553.3
12.5°	2368.6	2423.3	2469.8	2507.5	2536.6	2553.8	2560.8	2561.3	2557.9	2552.2	2545.7
10°	2384.8	2438.4	2483.1	2518.9	2545.1	2558.9	2562.2	2559.8	2553.3	2545.7	2538.4
7.5°	2397.7	2450.4	2493.7	2528.0	2550.6	2560.4	2561.2	2556.6	2548.8	2540.1	2532.1
5°	2407.0	2459.1	2501.4	2534.7	2554.7	2561.6	2560.4	2554.0	2545.0	2535.8	2528.6
2.5°	2412.6	2464.3	2506.0	2538.7	2557.2	2562.3	2559.9	2552.4	2542.6	2533.1	2526.3
0°	2414.5	2466.1	2507.6	2540.1	2558.0	2562.5	2559.7	2551.9	2541.8	2532.2	2525.5
-2.5°	2412.6	2464.3	2506.0	2538.7	2557.2	2562.3	2559.9	2552.4	2542.6	2533.1	2526.3
-5°	2407.0	2459.1	2501.4	2534.7	2554.7	2561.6	2560.4	2554.0	2545.0	2535.8	2528.6
-7.5°	2397.7	2450.4	2493.7	2528.0	2550.6	2560.4	2561.2	2556.6	2548.8	2540.1	2532.1
-10°	2384.8	2438.4	2483.1	2518.9	2545.1	2558.9	2562.2	2559.8	2553.3	2545.7	2538.4
-12.5°	2368.6	2423.3	2469.8	2507.5	2536.6	2553.8	2560.8	2561.3	2557.9	2552.2	2545.7
-15°	2348.2	2403.7	2451.1	2490.3	2521.8	2544.9	2558.3	2561.8	2560.9	2557.9	2553.3
-17.5°	2321.3	2379.3	2428.6	2470.7	2504.4	2530.7	2548.4	2558.8	2561.8	2561.3	2559.8
-20°	2291.2	2351.7	2401.6	2444.7	2480.9	2510.8	2533.7	2548.4	2558.3	2560.8	2562.2



REPORT NUMBER: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2253.9	2315.9	2369.4	2415.2	2452.9	2484.4	2510.8	2530.7	2544.9	2553.8	2558.9
-25°	2211.7	2276.6	2331.1	2378.3	2419.1	2452.9	2480.9	2504.4	2521.8	2536.6	2545.1
-27.5°	2162.3	2228.3	2287.1	2336.2	2378.3	2415.2	2444.7	2470.7	2490.3	2507.5	2518.9
-30°	2107.7	2174.5	2233.8	2287.1	2331.1	2369.4	2401.6	2428.6	2451.1	2469.8	2483.1
-32.5°	2042.1	2113.7	2174.5	2228.3	2276.6	2315.9	2351.7	2379.3	2403.7	2423.3	2438.4
-35°	1969.9	2042.1	2107.7	2162.3	2211.7	2253.9	2291.2	2321.3	2348.2	2368.6	2384.8
-37.5°	1886.4	1962.3	2028.6	2088.2	2138.1	2182.8	2220.7	2253.4	2282.3	2303.7	2321.5
-40°	1795.0	1871.6	1939.6	2001.9	2054.2	2102.5	2140.7	2175.1	2204.6	2227.6	2246.8
-42.5°	1696.4	1771.5	1840.8	1902.4	1958.7	2007.8	2049.0	2086.2	2116.3	2140.5	2160.6
-45°	1586.9	1662.6	1732.8	1793.8	1850.7	1899.7	1943.8	1983.4	2014.3	2040.2	2061.7
-47.5°	1465.6	1543.9	1612.6	1675.5	1732.5	1781.2	1825.5	1864.7	1896.9	1924.5	1947.2
-50°	1332.7	1412.2	1481.1	1545.7	1601.6	1651.5	1696.8	1735.5	1767.7	1795.2	1817.9
-52.5°	1187.1	1264.0	1336.1	1402.1	1457.6	1508.6	1554.8	1592.9	1625.6	1653.6	1676.6
-55°	1033.0	1107.0	1176.7	1239.7	1297.5	1350.4	1397.4	1435.3	1468.5	1496.9	1520.3
-57.5°	880.3	946.4	1009.0	1068.8	1124.2	1174.9	1219.6	1258.8	1293.0	1322.3	1346.3
-60°	736.3	788.3	844.5	897.4	946.4	991.2	1033.0	1070.2	1102.8	1130.5	1153.4
-62.5°	607.3	650.4	694.8	736.3	774.5	812.2	848.9	881.6	910.1	934.4	954.4
-65°	503.5	536.5	567.5	596.3	623.2	654.7	683.1	708.4	730.4	749.2	764.7
-67.5°	414.0	438.6	461.7	483.2	505.6	527.2	546.8	564.2	579.3	592.2	602.8
-70°	337.5	354.7	370.8	387.3	404.7	420.7	435.0	447.8	458.9	468.4	476.2
-72.5°	273.7	285.1	296.6	309.6	321.6	332.6	342.4	351.2	358.8	365.3	370.7
-75°	221.0	230.0	239.1	247.5	255.3	262.4	268.8	274.5	279.5	283.7	287.1
-77.5°	173.8	180.9	187.5	193.7	199.4	204.6	209.3	213.4	217.0	220.1	222.6
-80°	124.3	130.2	135.8	140.9	145.7	150.0	153.9	157.4	160.4	162.9	165.0
-82.5°	77.4	81.5	85.2	88.8	92.0	94.9	97.6	99.9	102.0	103.7	105.2
-85°	38.3	40.1	41.9	43.5	44.9	46.3	47.5	48.6	49.5	50.3	50.9
-87.5°	11.5	11.8	12.1	12.4	12.7	12.9	13.2	13.4	13.5	13.7	13.8
-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: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	13.9	13.9	14.0	14.0	14.0	13.9	13.9	13.8	13.7	13.5	13.4
85°	51.4	51.8	52.0	52.1	52.0	51.8	51.4	50.9	50.3	49.5	48.6
82.5°	106.3	107.1	107.5	107.7	107.5	107.1	106.3	105.2	103.7	102.0	99.9
80°	166.7	167.9	168.6	168.8	168.6	167.9	166.7	165.0	162.9	160.4	157.4
77.5°	224.6	226.0	226.8	227.1	226.8	226.0	224.6	222.6	220.1	217.0	213.4
75°	289.8	291.8	292.9	293.3	292.9	291.8	289.8	287.1	283.7	279.5	274.5
72.5°	374.8	377.8	379.6	380.2	379.6	377.8	374.8	370.7	365.3	358.8	351.2
70°	482.3	486.6	489.2	490.1	489.2	486.6	482.3	476.2	468.4	458.9	447.8
67.5°	611.1	617.0	620.6	621.8	620.6	617.0	611.1	602.8	592.2	579.3	564.2
65°	776.7	785.4	790.6	792.3	790.6	785.4	776.7	764.7	749.2	730.4	708.4
62.5°	970.0	981.2	988.0	990.2	988.0	981.2	970.0	954.4	934.4	910.1	881.6
60°	1171.2	1184.0	1191.7	1194.3	1191.7	1184.0	1171.2	1153.4	1130.5	1102.8	1070.2
57.5°	1365.2	1378.7	1386.8	1389.5	1386.8	1378.7	1365.2	1346.3	1322.3	1293.0	1258.8
55°	1538.5	1551.7	1559.6	1562.2	1559.6	1551.7	1538.5	1520.3	1496.9	1468.5	1435.3
52.5°	1694.7	1707.7	1715.5	1718.1	1715.5	1707.7	1694.7	1676.6	1653.6	1625.6	1592.9
50°	1835.7	1848.5	1856.2	1858.8	1856.2	1848.5	1835.7	1817.9	1795.2	1767.7	1735.5
47.5°	1965.1	1978.0	1985.7	1988.3	1985.7	1978.0	1965.1	1947.2	1924.5	1896.9	1864.7
45°	2078.6	2090.7	2098.1	2100.5	2098.1	2090.7	2078.6	2061.7	2040.2	2014.3	1983.4
42.5°	2176.4	2187.7	2194.6	2196.9	2194.6	2187.7	2176.4	2160.6	2140.5	2116.3	2086.2
40°	2261.9	2272.8	2279.4	2281.6	2279.4	2272.8	2261.9	2246.8	2227.6	2204.6	2175.1
37.5°	2335.6	2345.7	2351.8	2353.9	2351.8	2345.7	2335.6	2321.5	2303.7	2282.3	2253.4
35°	2397.7	2407.0	2412.6	2414.5	2412.6	2407.0	2397.7	2384.8	2368.6	2348.2	2321.3
32.5°	2450.4	2459.1	2464.3	2466.1	2464.3	2459.1	2450.4	2438.4	2423.3	2403.7	2379.3
30°	2493.7	2501.4	2506.0	2507.6	2506.0	2501.4	2493.7	2483.1	2469.8	2451.1	2428.6
27.5°	2528.0	2534.7	2538.7	2540.1	2538.7	2534.7	2528.0	2518.9	2507.5	2490.3	2470.7
25°	2550.6	2554.7	2557.2	2558.0	2557.2	2554.7	2550.6	2545.1	2536.6	2521.8	2504.4
22.5°	2560.4	2561.6	2562.3	2562.5	2562.3	2561.6	2560.4	2558.9	2553.8	2544.9	2530.7
20°	2561.2	2560.4	2559.9	2559.7	2559.9	2560.4	2561.2	2562.2	2560.8	2558.3	2548.4
17.5°	2556.6	2554.0	2552.4	2551.9	2552.4	2554.0	2556.6	2559.8	2561.3	2561.8	2558.8
15°	2548.8	2545.0	2542.6	2541.8	2542.6	2545.0	2548.8	2553.3	2557.9	2560.9	2561.8
12.5°	2540.1	2535.8	2533.1	2532.2	2533.1	2535.8	2540.1	2545.7	2552.2	2557.9	2561.3
10°	2532.1	2528.6	2526.3	2525.5	2526.3	2528.6	2532.1	2538.4	2545.7	2553.3	2559.8
7.5°	2527.1	2523.9	2522.2	2521.6	2522.2	2523.9	2527.1	2532.1	2540.1	2548.8	2556.6
5°	2523.9	2520.8	2518.2	2517.1	2518.2	2520.8	2523.9	2528.6	2535.8	2545.0	2554.0
2.5°	2522.2	2518.2	2514.2	2512.1	2514.2	2518.2	2522.2	2526.3	2533.1	2542.6	2552.4
0°	2521.6	2517.1	2512.1	2512.6	2512.1	2517.1	2521.6	2525.5	2532.2	2541.8	2551.9
-2.5°	2522.2	2518.2	2514.2	2512.1	2514.2	2518.2	2522.2	2526.3	2533.1	2542.6	2552.4
-5°	2523.9	2520.8	2518.2	2517.1	2518.2	2520.8	2523.9	2528.6	2535.8	2545.0	2554.0
-7.5°	2527.1	2523.9	2522.2	2521.6	2522.2	2523.9	2527.1	2532.1	2540.1	2548.8	2556.6
-10°	2532.1	2528.6	2526.3	2525.5	2526.3	2528.6	2532.1	2538.4	2545.7	2553.3	2559.8
-12.5°	2540.1	2535.8	2533.1	2532.2	2533.1	2535.8	2540.1	2545.7	2552.2	2557.9	2561.3
-15°	2548.8	2545.0	2542.6	2541.8	2542.6	2545.0	2548.8	2553.3	2557.9	2560.9	2561.8
-17.5°	2556.6	2554.0	2552.4	2551.9	2552.4	2554.0	2556.6	2559.8	2561.3	2561.8	2558.8
-20°	2561.2	2560.4	2559.9	2559.7	2559.9	2560.4	2561.2	2562.2	2560.8	2558.3	2548.4

Classified

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

Scaled Data Report



REPORT NUMBER: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1E-740-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°	2560.4	2561.6	2562.3	2562.5	2562.3	2561.6	2560.4	2558.9	2553.8	2544.9	2530.7
-25°	2550.6	2554.7	2557.2	2558.0	2557.2	2554.7	2550.6	2545.1	2536.6	2521.8	2504.4
-27.5°	2528.0	2534.7	2538.7	2540.1	2538.7	2534.7	2528.0	2518.9	2507.5	2490.3	2470.7
-30°	2493.7	2501.4	2506.0	2507.6	2506.0	2501.4	2493.7	2483.1	2469.8	2451.1	2428.6
-32.5°	2450.4	2459.1	2464.3	2466.1	2464.3	2459.1	2450.4	2438.4	2423.3	2403.7	2379.3
-35°	2397.7	2407.0	2412.6	2414.5	2412.6	2407.0	2397.7	2384.8	2368.6	2348.2	2321.3
-37.5°	2335.6	2345.7	2351.8	2353.9	2351.8	2345.7	2335.6	2321.5	2303.7	2282.3	2253.4
-40°	2261.9	2272.8	2279.4	2281.6	2279.4	2272.8	2261.9	2246.8	2227.6	2204.6	2175.1
-42.5°	2176.4	2187.7	2194.6	2196.9	2194.6	2187.7	2176.4	2160.6	2140.5	2116.3	2086.2
-45°	2078.6	2090.7	2098.1	2100.5	2098.1	2090.7	2078.6	2061.7	2040.2	2014.3	1983.4
-47.5°	1965.1	1978.0	1985.7	1988.3	1985.7	1978.0	1965.1	1947.2	1924.5	1896.9	1864.7
-50°	1835.7	1848.5	1856.2	1858.8	1856.2	1848.5	1835.7	1817.9	1795.2	1767.7	1735.5
-52.5°	1694.7	1707.7	1715.5	1718.1	1715.5	1707.7	1694.7	1676.6	1653.6	1625.6	1592.9
-55°	1538.5	1551.7	1559.6	1562.2	1559.6	1551.7	1538.5	1520.3	1496.9	1468.5	1435.3
-57.5°	1365.2	1378.7	1386.8	1389.5	1386.8	1378.7	1365.2	1346.3	1322.3	1293.0	1258.8
-60°	1171.2	1184.0	1191.7	1194.3	1191.7	1184.0	1171.2	1153.4	1130.5	1102.8	1070.2
-62.5°	970.0	981.2	988.0	990.2	988.0	981.2	970.0	954.4	934.4	910.1	881.6
-65°	776.7	785.4	790.6	792.3	790.6	785.4	776.7	764.7	749.2	730.4	708.4
-67.5°	611.1	617.0	620.6	621.8	620.6	617.0	611.1	602.8	592.2	579.3	564.2
-70°	482.3	486.6	489.2	490.1	489.2	486.6	482.3	476.2	468.4	458.9	447.8
-72.5°	374.8	377.8	379.6	380.2	379.6	377.8	374.8	370.7	365.3	358.8	351.2
-75°	289.8	291.8	292.9	293.3	292.9	291.8	289.8	287.1	283.7	279.5	274.5
-77.5°	224.6	226.0	226.8	227.1	226.8	226.0	224.6	222.6	220.1	217.0	213.4
-80°	166.7	167.9	168.6	168.8	168.6	167.9	166.7	165.0	162.9	160.4	157.4
-82.5°	106.3	107.1	107.5	107.7	107.5	107.1	106.3	105.2	103.7	102.0	99.9
-85°	51.4	51.8	52.0	52.1	52.0	51.8	51.4	50.9	50.3	49.5	48.6
-87.5°	13.9	13.9	14.0	14.0	14.0	13.9	13.9	13.8	13.7	13.5	13.4
-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: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	13.2	12.9	12.7	12.4	12.1	11.8	11.5	11.1	10.7	10.3	9.9
85°	47.5	46.3	44.9	43.5	41.9	40.1	38.3	36.3	34.2	32.0	29.7
82.5°	97.6	94.9	92.0	88.8	85.2	81.5	77.4	73.1	68.5	63.7	58.7
80°	153.9	150.0	145.7	140.9	135.8	130.2	124.3	117.9	111.2	104.5	97.8
77.5°	209.3	204.6	199.4	193.7	187.5	180.9	173.8	166.0	157.7	148.8	139.6
75°	268.8	262.4	255.3	247.5	239.1	230.0	221.0	211.9	202.3	192.1	181.5
72.5°	342.4	332.6	321.6	309.6	296.6	285.1	273.7	261.6	248.8	235.3	221.9
70°	435.0	420.7	404.7	387.3	370.8	354.7	337.5	319.2	299.9	282.9	266.7
67.5°	546.8	527.2	505.6	483.2	461.7	438.6	414.0	387.9	364.4	341.6	317.6
65°	683.1	654.7	623.2	596.3	567.5	536.5	503.5	472.1	441.3	409.0	376.3
62.5°	848.9	812.2	774.5	736.3	694.8	650.4	607.3	568.6	527.8	485.9	448.6
60°	1033.0	991.2	946.4	897.4	844.5	788.3	736.3	681.2	623.2	576.1	527.2
57.5°	1219.6	1174.9	1124.2	1068.8	1009.0	946.4	880.3	810.6	744.9	678.9	612.8
55°	1397.4	1350.4	1297.5	1239.7	1176.7	1107.0	1033.0	956.0	876.6	793.6	719.2
52.5°	1554.8	1508.6	1457.6	1402.1	1336.1	1264.0	1187.1	1102.8	1014.4	924.4	831.6
50°	1696.8	1651.5	1601.6	1545.7	1481.1	1412.2	1332.7	1245.9	1153.4	1054.6	953.3
47.5°	1825.5	1781.2	1732.5	1675.5	1612.6	1543.9	1465.6	1382.5	1285.4	1184.0	1074.8
45°	1943.8	1899.7	1850.7	1793.8	1732.8	1662.6	1586.9	1501.7	1410.1	1305.3	1194.3
42.5°	2049.0	2007.8	1958.7	1902.4	1840.8	1771.5	1696.4	1611.9	1519.9	1419.0	1305.3
40°	2140.7	2102.5	2054.2	2001.9	1939.6	1871.6	1795.0	1713.5	1620.3	1519.9	1410.1
37.5°	2220.7	2182.8	2138.1	2088.2	2028.6	1962.3	1886.4	1802.9	1713.5	1611.9	1501.7
35°	2291.2	2253.9	2211.7	2162.3	2107.7	2042.1	1969.9	1886.4	1795.0	1696.4	1586.9
32.5°	2351.7	2315.9	2276.6	2228.3	2174.5	2113.7	2042.1	1962.3	1871.6	1771.5	1662.6
30°	2401.6	2369.4	2331.1	2287.1	2233.8	2174.5	2107.7	2028.6	1939.6	1840.8	1732.8
27.5°	2444.7	2415.2	2378.3	2336.2	2287.1	2228.3	2162.3	2088.2	2001.9	1902.4	1793.8
25°	2480.9	2452.9	2419.1	2378.3	2331.1	2276.6	2211.7	2138.1	2054.2	1958.7	1850.7
22.5°	2510.8	2484.4	2452.9	2415.2	2369.4	2315.9	2253.9	2182.8	2102.5	2007.8	1899.7
20°	2533.7	2510.8	2480.9	2444.7	2401.6	2351.7	2291.2	2220.7	2140.7	2049.0	1943.8
17.5°	2548.4	2530.7	2504.4	2470.7	2428.6	2379.3	2321.3	2253.4	2175.1	2086.2	1983.4
15°	2558.3	2544.9	2521.8	2490.3	2451.1	2403.7	2348.2	2282.3	2204.6	2116.3	2014.3
12.5°	2560.8	2553.8	2536.6	2507.5	2469.8	2423.3	2368.6	2303.7	2227.6	2140.5	2040.2
10°	2562.2	2558.9	2545.1	2518.9	2483.1	2438.4	2384.8	2321.5	2246.8	2160.6	2061.7
7.5°	2561.2	2560.4	2550.6	2528.0	2493.7	2450.4	2397.7	2335.6	2261.9	2176.4	2078.6
5°	2560.4	2561.6	2554.7	2534.7	2501.4	2459.1	2407.0	2345.7	2272.8	2187.7	2090.7
2.5°	2559.9	2562.3	2557.2	2538.7	2506.0	2464.3	2412.6	2351.8	2279.4	2194.6	2098.1
0°	2559.7	2562.5	2558.0	2540.1	2507.6	2466.1	2414.5	2353.9	2281.6	2196.9	2100.5
-2.5°	2559.9	2562.3	2557.2	2538.7	2506.0	2464.3	2412.6	2351.8	2279.4	2194.6	2098.1
-5°	2560.4	2561.6	2554.7	2534.7	2501.4	2459.1	2407.0	2345.7	2272.8	2187.7	2090.7
-7.5°	2561.2	2560.4	2550.6	2528.0	2493.7	2450.4	2397.7	2335.6	2261.9	2176.4	2078.6
-10°	2562.2	2558.9	2545.1	2518.9	2483.1	2438.4	2384.8	2321.5	2246.8	2160.6	2061.7
-12.5°	2560.8	2553.8	2536.6	2507.5	2469.8	2423.3	2368.6	2303.7	2227.6	2140.5	2040.2
-15°	2558.3	2544.9	2521.8	2490.3	2451.1	2403.7	2348.2	2282.3	2204.6	2116.3	2014.3
-17.5°	2548.4	2530.7	2504.4	2470.7	2428.6	2379.3	2321.3	2253.4	2175.1	2086.2	1983.4
-20°	2533.7	2510.8	2480.9	2444.7	2401.6	2351.7	2291.2	2220.7	2140.7	2049.0	1943.8



REPORT NUMBER: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2510.8	2484.4	2452.9	2415.2	2369.4	2315.9	2253.9	2182.8	2102.5	2007.8	1899.7
-25°	2480.9	2452.9	2419.1	2378.3	2331.1	2276.6	2211.7	2138.1	2054.2	1958.7	1850.7
-27.5°	2444.7	2415.2	2378.3	2336.2	2287.1	2228.3	2162.3	2088.2	2001.9	1902.4	1793.8
-30°	2401.6	2369.4	2331.1	2287.1	2233.8	2174.5	2107.7	2028.6	1939.6	1840.8	1732.8
-32.5°	2351.7	2315.9	2276.6	2228.3	2174.5	2113.7	2042.1	1962.3	1871.6	1771.5	1662.6
-35°	2291.2	2253.9	2211.7	2162.3	2107.7	2042.1	1969.9	1886.4	1795.0	1696.4	1586.9
-37.5°	2220.7	2182.8	2138.1	2088.2	2028.6	1962.3	1886.4	1802.9	1713.5	1611.9	1501.7
-40°	2140.7	2102.5	2054.2	2001.9	1939.6	1871.6	1795.0	1713.5	1620.3	1519.9	1410.1
-42.5°	2049.0	2007.8	1958.7	1902.4	1840.8	1771.5	1696.4	1611.9	1519.9	1419.0	1305.3
-45°	1943.8	1899.7	1850.7	1793.8	1732.8	1662.6	1586.9	1501.7	1410.1	1305.3	1194.3
-47.5°	1825.5	1781.2	1732.5	1675.5	1612.6	1543.9	1465.6	1382.5	1285.4	1184.0	1074.8
-50°	1696.8	1651.5	1601.6	1545.7	1481.1	1412.2	1332.7	1245.9	1153.4	1054.6	953.3
-52.5°	1554.8	1508.6	1457.6	1402.1	1336.1	1264.0	1187.1	1102.8	1014.4	924.4	831.6
-55°	1397.4	1350.4	1297.5	1239.7	1176.7	1107.0	1033.0	956.0	876.6	793.6	719.2
-57.5°	1219.6	1174.9	1124.2	1068.8	1009.0	946.4	880.3	810.6	744.9	678.9	612.8
-60°	1033.0	991.2	946.4	897.4	844.5	788.3	736.3	681.2	623.2	576.1	527.2
-62.5°	848.9	812.2	774.5	736.3	694.8	650.4	607.3	568.6	527.8	485.9	448.6
-65°	683.1	654.7	623.2	596.3	567.5	536.5	503.5	472.1	441.3	409.0	376.3
-67.5°	546.8	527.2	505.6	483.2	461.7	438.6	414.0	387.9	364.4	341.6	317.6
-70°	435.0	420.7	404.7	387.3	370.8	354.7	337.5	319.2	299.9	282.9	266.7
-72.5°	342.4	332.6	321.6	309.6	296.6	285.1	273.7	261.6	248.8	235.3	221.9
-75°	268.8	262.4	255.3	247.5	239.1	230.0	221.0	211.9	202.3	192.1	181.5
-77.5°	209.3	204.6	199.4	193.7	187.5	180.9	173.8	166.0	157.7	148.8	139.6
-80°	153.9	150.0	145.7	140.9	135.8	130.2	124.3	117.9	111.2	104.5	97.8
-82.5°	97.6	94.9	92.0	88.8	85.2	81.5	77.4	73.1	68.5	63.7	58.7
-85°	47.5	46.3	44.9	43.5	41.9	40.1	38.3	36.3	34.2	32.0	29.7
-87.5°	13.2	12.9	12.7	12.4	12.1	11.8	11.5	11.1	10.7	10.3	9.9
-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: P645352 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
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°	9.5	9.0	8.5	8.0	7.5	7.0	6.5	5.9	5.4	4.8	4.2
85°	27.3	24.8	22.3	19.6	16.8	14.0	12.9	11.8	10.7	9.6	8.4
82.5°	53.4	49.2	45.4	41.3	37.2	32.9	28.6	24.1	19.5	14.9	12.6
80°	90.7	83.4	75.9	68.0	60.0	51.8	46.0	40.0	34.0	27.8	21.5
77.5°	129.9	119.9	109.4	99.5	89.4	79.1	68.5	57.6	48.3	40.6	32.8
75°	170.4	158.5	146.0	133.1	119.8	106.3	93.6	80.6	67.3	53.8	43.9
72.5°	208.9	195.5	181.6	167.1	151.6	135.7	119.5	103.3	87.9	72.2	56.3
70°	249.9	232.4	215.8	199.4	182.5	165.0	146.5	127.5	108.2	90.3	72.2
67.5°	292.9	273.2	252.8	231.9	212.3	192.8	172.9	151.9	130.2	108.2	87.9
65°	348.6	319.8	290.9	267.6	243.6	220.1	198.0	175.5	151.9	127.5	103.3
62.5°	410.0	372.1	339.4	305.7	276.5	249.6	222.7	198.0	172.9	146.5	119.5
60°	478.8	435.0	389.9	351.2	313.6	279.5	249.6	220.1	192.8	165.0	135.7
57.5°	557.8	500.9	450.2	400.0	355.2	313.6	276.5	243.6	212.3	182.5	151.6
55°	642.2	576.2	513.1	455.3	400.0	351.2	305.7	267.6	231.9	199.4	167.1
52.5°	743.5	658.3	582.4	513.1	450.2	389.9	339.4	290.9	252.8	215.8	181.6
50°	850.7	751.7	658.3	576.2	500.9	435.0	372.1	319.8	273.2	232.4	195.5
47.5°	963.0	850.7	743.5	642.2	557.8	478.8	410.0	348.6	292.9	249.9	208.9
45°	1074.8	953.3	831.6	719.2	612.8	527.2	448.6	376.3	317.6	266.7	221.9
42.5°	1184.0	1054.6	924.4	793.6	678.9	576.1	485.9	409.0	341.6	282.9	235.3
40°	1285.4	1153.4	1014.4	876.6	744.9	623.2	527.8	441.3	364.4	299.9	248.8
37.5°	1382.5	1245.9	1102.8	956.0	810.6	681.2	568.6	472.1	387.9	319.2	261.6
35°	1465.6	1332.7	1187.1	1033.0	880.3	736.3	607.3	503.5	414.0	337.5	273.7
32.5°	1543.9	1412.2	1264.0	1107.0	946.4	788.3	650.4	536.5	438.6	354.7	285.1
30°	1612.6	1481.1	1336.1	1176.7	1009.0	844.5	694.8	567.5	461.7	370.8	296.6
27.5°	1675.5	1545.7	1402.1	1239.7	1068.8	897.4	736.3	596.3	483.2	387.3	309.6
25°	1732.5	1601.6	1457.6	1297.5	1124.2	946.4	774.5	623.2	505.6	404.7	321.6
22.5°	1781.2	1651.5	1508.6	1350.4	1174.9	991.2	812.2	654.7	527.2	420.7	332.6
20°	1825.5	1696.8	1554.8	1397.4	1219.6	1033.0	848.9	683.1	546.8	435.0	342.4
17.5°	1864.7	1735.5	1592.9	1435.3	1258.8	1070.2	881.6	708.4	564.2	447.8	351.2
15°	1896.9	1767.7	1625.6	1468.5	1293.0	1102.8	910.1	730.4	579.3	458.9	358.8
12.5°	1924.5	1795.2	1653.6	1496.9	1322.3	1130.5	934.4	749.2	592.2	468.4	365.3
10°	1947.2	1817.9	1676.6	1520.3	1346.3	1153.4	954.4	764.7	602.8	476.2	370.7
7.5°	1965.1	1835.7	1694.7	1538.5	1365.2	1171.2	970.0	776.7	611.1	482.3	374.8
5°	1978.0	1848.5	1707.7	1551.7	1378.7	1184.0	981.2	785.4	617.0	486.6	377.8
2.5°	1985.7	1856.2	1715.5	1559.6	1386.8	1191.7	988.0	790.6	620.6	489.2	379.6
0°	1988.3	1858.8	1718.1	1562.2	1389.5	1194.3	990.2	792.3	621.8	490.1	380.2
-2.5°	1985.7	1856.2	1715.5	1559.6	1386.8	1191.7	988.0	790.6	620.6	489.2	379.6
-5°	1978.0	1848.5	1707.7	1551.7	1378.7	1184.0	981.2	785.4	617.0	486.6	377.8
-7.5°	1965.1	1835.7	1694.7	1538.5	1365.2	1171.2	970.0	776.7	611.1	482.3	374.8
-10°	1947.2	1817.9	1676.6	1520.3	1346.3	1153.4	954.4	764.7	602.8	476.2	370.7
-12.5°	1924.5	1795.2	1653.6	1496.9	1322.3	1130.5	934.4	749.2	592.2	468.4	365.3
-15°	1896.9	1767.7	1625.6	1468.5	1293.0	1102.8	910.1	730.4	579.3	458.9	358.8
-17.5°	1864.7	1735.5	1592.9	1435.3	1258.8	1070.2	881.6	708.4	564.2	447.8	351.2
-20°	1825.5	1696.8	1554.8	1397.4	1219.6	1033.0	848.9	683.1	546.8	435.0	342.4



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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°	1781.2	1651.5	1508.6	1350.4	1174.9	991.2	812.2	654.7	527.2	420.7	332.6
-25°	1732.5	1601.6	1457.6	1297.5	1124.2	946.4	774.5	623.2	505.6	404.7	321.6
-27.5°	1675.5	1545.7	1402.1	1239.7	1068.8	897.4	736.3	596.3	483.2	387.3	309.6
-30°	1612.6	1481.1	1336.1	1176.7	1009.0	844.5	694.8	567.5	461.7	370.8	296.6
-32.5°	1543.9	1412.2	1264.0	1107.0	946.4	788.3	650.4	536.5	438.6	354.7	285.1
-35°	1465.6	1332.7	1187.1	1033.0	880.3	736.3	607.3	503.5	414.0	337.5	273.7
-37.5°	1382.5	1245.9	1102.8	956.0	810.6	681.2	568.6	472.1	387.9	319.2	261.6
-40°	1285.4	1153.4	1014.4	876.6	744.9	623.2	527.8	441.3	364.4	299.9	248.8
-42.5°	1184.0	1054.6	924.4	793.6	678.9	576.1	485.9	409.0	341.6	282.9	235.3
-45°	1074.8	953.3	831.6	719.2	612.8	527.2	448.6	376.3	317.6	266.7	221.9
-47.5°	963.0	850.7	743.5	642.2	557.8	478.8	410.0	348.6	292.9	249.9	208.9
-50°	850.7	751.7	658.3	576.2	500.9	435.0	372.1	319.8	273.2	232.4	195.5
-52.5°	743.5	658.3	582.4	513.1	450.2	389.9	339.4	290.9	252.8	215.8	181.6
-55°	642.2	576.2	513.1	455.3	400.0	351.2	305.7	267.6	231.9	199.4	167.1
-57.5°	557.8	500.9	450.2	400.0	355.2	313.6	276.5	243.6	212.3	182.5	151.6
-60°	478.8	435.0	389.9	351.2	313.6	279.5	249.6	220.1	192.8	165.0	135.7
-62.5°	410.0	372.1	339.4	305.7	276.5	249.6	222.7	198.0	172.9	146.5	119.5
-65°	348.6	319.8	290.9	267.6	243.6	220.1	198.0	175.5	151.9	127.5	103.3
-67.5°	292.9	273.2	252.8	231.9	212.3	192.8	172.9	151.9	130.2	108.2	87.9
-70°	249.9	232.4	215.8	199.4	182.5	165.0	146.5	127.5	108.2	90.3	72.2
-72.5°	208.9	195.5	181.6	167.1	151.6	135.7	119.5	103.3	87.9	72.2	56.3
-75°	170.4	158.5	146.0	133.1	119.8	106.3	93.6	80.6	67.3	53.8	43.9
-77.5°	129.9	119.9	109.4	99.5	89.4	79.1	68.5	57.6	48.3	40.6	32.8
-80°	90.7	83.4	75.9	68.0	60.0	51.8	46.0	40.0	34.0	27.8	21.5
-82.5°	53.4	49.2	45.4	41.3	37.2	32.9	28.6	24.1	19.5	14.9	12.6
-85°	27.3	24.8	22.3	19.6	16.8	14.0	12.9	11.8	10.7	9.6	8.4
-87.5°	9.5	9.0	8.5	8.0	7.5	7.0	6.5	5.9	5.4	4.8	4.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P645352 (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°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
85°	7.2	6.1	4.9	3.7	2.4	1.2	0.0
82.5°	10.8	9.1	7.3	5.5	3.7	1.8	0.0
80°	15.2	12.1	9.7	7.3	4.9	2.4	0.0
77.5°	24.8	16.8	12.1	9.1	6.1	3.0	0.0
75°	34.4	24.8	15.2	10.8	7.2	3.6	0.0
72.5°	43.9	32.8	21.5	12.6	8.4	4.2	0.0
70°	53.8	40.6	27.8	14.9	9.6	4.8	0.0
67.5°	67.3	48.3	34.0	19.5	10.7	5.4	0.0
65°	80.6	57.6	40.0	24.1	11.8	5.9	0.0
62.5°	93.6	68.5	46.0	28.6	12.9	6.5	0.0
60°	106.3	79.1	51.8	32.9	14.0	7.0	0.0
57.5°	119.8	89.4	60.0	37.2	16.8	7.5	0.0
55°	133.1	99.5	68.0	41.3	19.6	8.0	0.0
52.5°	146.0	109.4	75.9	45.4	22.3	8.5	0.0
50°	158.5	119.9	83.4	49.2	24.8	9.0	0.0
47.5°	170.4	129.9	90.7	53.4	27.3	9.5	0.0
45°	181.5	139.6	97.8	58.7	29.7	9.9	0.0
42.5°	192.1	148.8	104.5	63.7	32.0	10.3	0.0
40°	202.3	157.7	111.2	68.5	34.2	10.7	0.0
37.5°	211.9	166.0	117.9	73.1	36.3	11.1	0.0
35°	221.0	173.8	124.3	77.4	38.3	11.5	0.0
32.5°	230.0	180.9	130.2	81.5	40.1	11.8	0.0
30°	239.1	187.5	135.8	85.2	41.9	12.1	0.0
27.5°	247.5	193.7	140.9	88.8	43.5	12.4	0.0
25°	255.3	199.4	145.7	92.0	44.9	12.7	0.0
22.5°	262.4	204.6	150.0	94.9	46.3	12.9	0.0
20°	268.8	209.3	153.9	97.6	47.5	13.2	0.0
17.5°	274.5	213.4	157.4	99.9	48.6	13.4	0.0
15°	279.5	217.0	160.4	102.0	49.5	13.5	0.0
12.5°	283.7	220.1	162.9	103.7	50.3	13.7	0.0
10°	287.1	222.6	165.0	105.2	50.9	13.8	0.0
7.5°	289.8	224.6	166.7	106.3	51.4	13.9	0.0
5°	291.8	226.0	167.9	107.1	51.8	13.9	0.0
2.5°	292.9	226.8	168.6	107.5	52.0	14.0	0.0
0°	293.3	227.1	168.8	107.7	52.1	14.0	0.0
-2.5°	292.9	226.8	168.6	107.5	52.0	14.0	0.0
-5°	291.8	226.0	167.9	107.1	51.8	13.9	0.0
-7.5°	289.8	224.6	166.7	106.3	51.4	13.9	0.0
-10°	287.1	222.6	165.0	105.2	50.9	13.8	0.0
-12.5°	283.7	220.1	162.9	103.7	50.3	13.7	0.0
-15°	279.5	217.0	160.4	102.0	49.5	13.5	0.0
-17.5°	274.5	213.4	157.4	99.9	48.6	13.4	0.0
-20°	268.8	209.3	153.9	97.6	47.5	13.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	262.4	204.6	150.0	94.9	46.3	12.9	0.0
-25°	255.3	199.4	145.7	92.0	44.9	12.7	0.0
-27.5°	247.5	193.7	140.9	88.8	43.5	12.4	0.0
-30°	239.1	187.5	135.8	85.2	41.9	12.1	0.0
-32.5°	230.0	180.9	130.2	81.5	40.1	11.8	0.0
-35°	221.0	173.8	124.3	77.4	38.3	11.5	0.0
-37.5°	211.9	166.0	117.9	73.1	36.3	11.1	0.0
-40°	202.3	157.7	111.2	68.5	34.2	10.7	0.0
-42.5°	192.1	148.8	104.5	63.7	32.0	10.3	0.0
-45°	181.5	139.6	97.8	58.7	29.7	9.9	0.0
-47.5°	170.4	129.9	90.7	53.4	27.3	9.5	0.0
-50°	158.5	119.9	83.4	49.2	24.8	9.0	0.0
-52.5°	146.0	109.4	75.9	45.4	22.3	8.5	0.0
-55°	133.1	99.5	68.0	41.3	19.6	8.0	0.0
-57.5°	119.8	89.4	60.0	37.2	16.8	7.5	0.0
-60°	106.3	79.1	51.8	32.9	14.0	7.0	0.0
-62.5°	93.6	68.5	46.0	28.6	12.9	6.5	0.0
-65°	80.6	57.6	40.0	24.1	11.8	5.9	0.0
-67.5°	67.3	48.3	34.0	19.5	10.7	5.4	0.0
-70°	53.8	40.6	27.8	14.9	9.6	4.8	0.0
-72.5°	43.9	32.8	21.5	12.6	8.4	4.2	0.0
-75°	34.4	24.8	15.2	10.8	7.2	3.6	0.0
-77.5°	24.8	16.8	12.1	9.1	6.1	3.0	0.0
-80°	15.2	12.1	9.7	7.3	4.9	2.4	0.0
-82.5°	10.8	9.1	7.3	5.5	3.7	1.8	0.0
-85°	7.2	6.1	4.9	3.7	2.4	1.2	0.0
-87.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)