

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: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2B-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2B-727-U-LAM-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8155.7 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')

Beam Angle (50%): 117.8°H x 112°V
Beam Lumens: 6787.4 lumens
Beam Efficiency: 83.2%

Field Angle (10%): 152.8°H x 150.5°V
Field Lumens: 7995.3 lumens
Field Efficiency: 98.0%

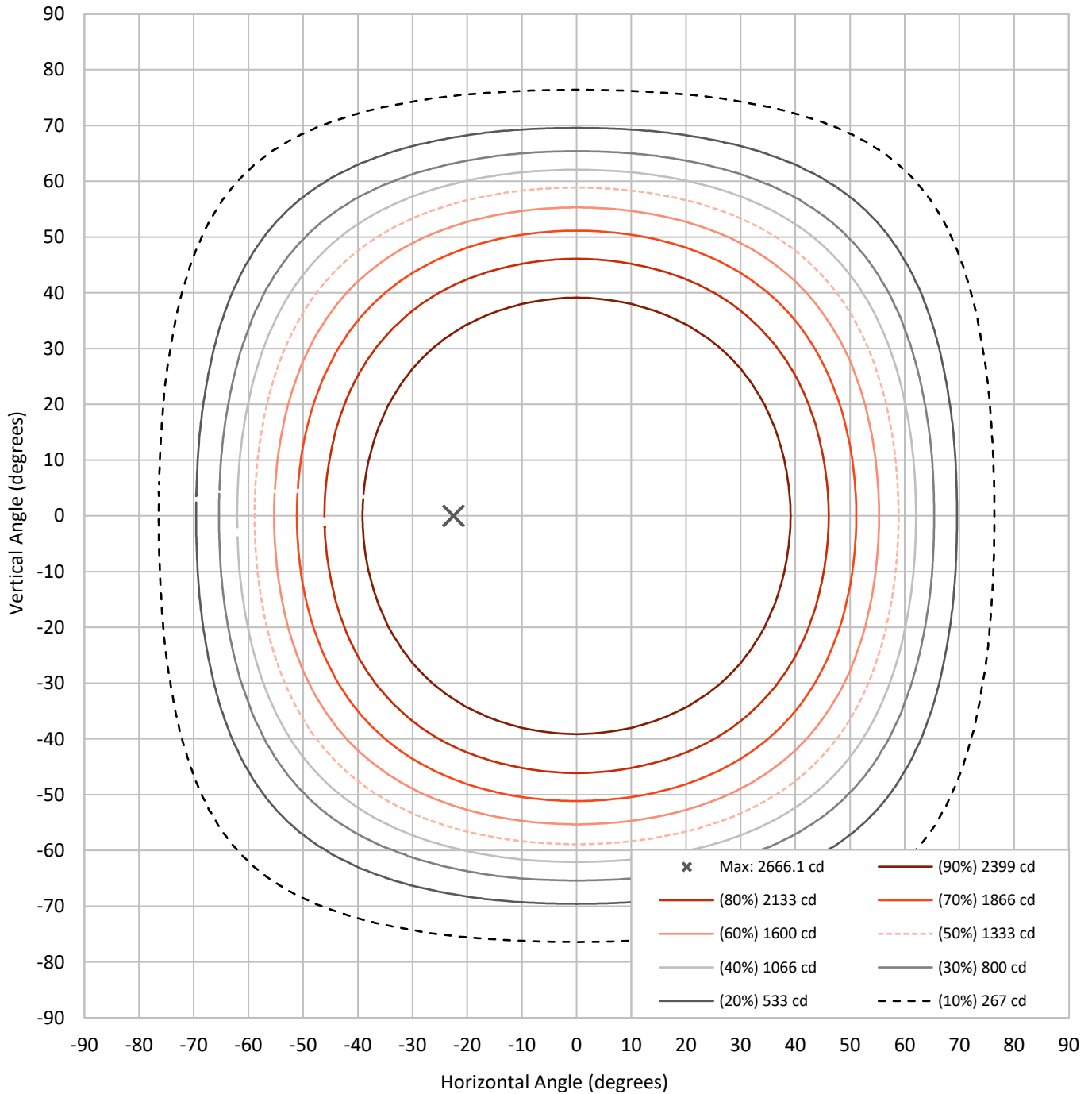
NEMA Type: 7H x 7V
Max Intensity: 2666.1 candela
Max Intensity Angle: -22.5°H x 0°V

Input Watts (W): 63.6
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



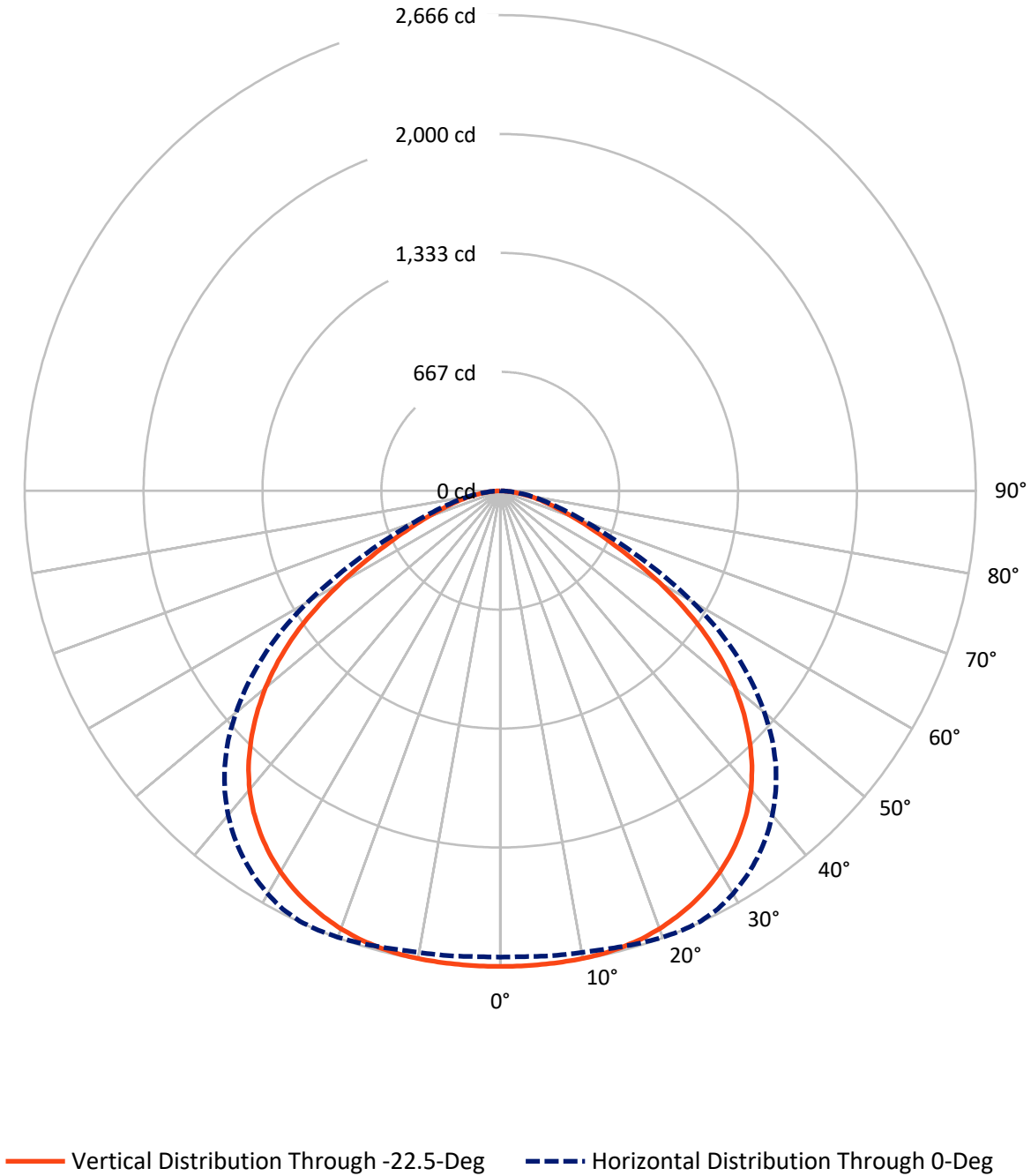
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Iso-Candela Plot



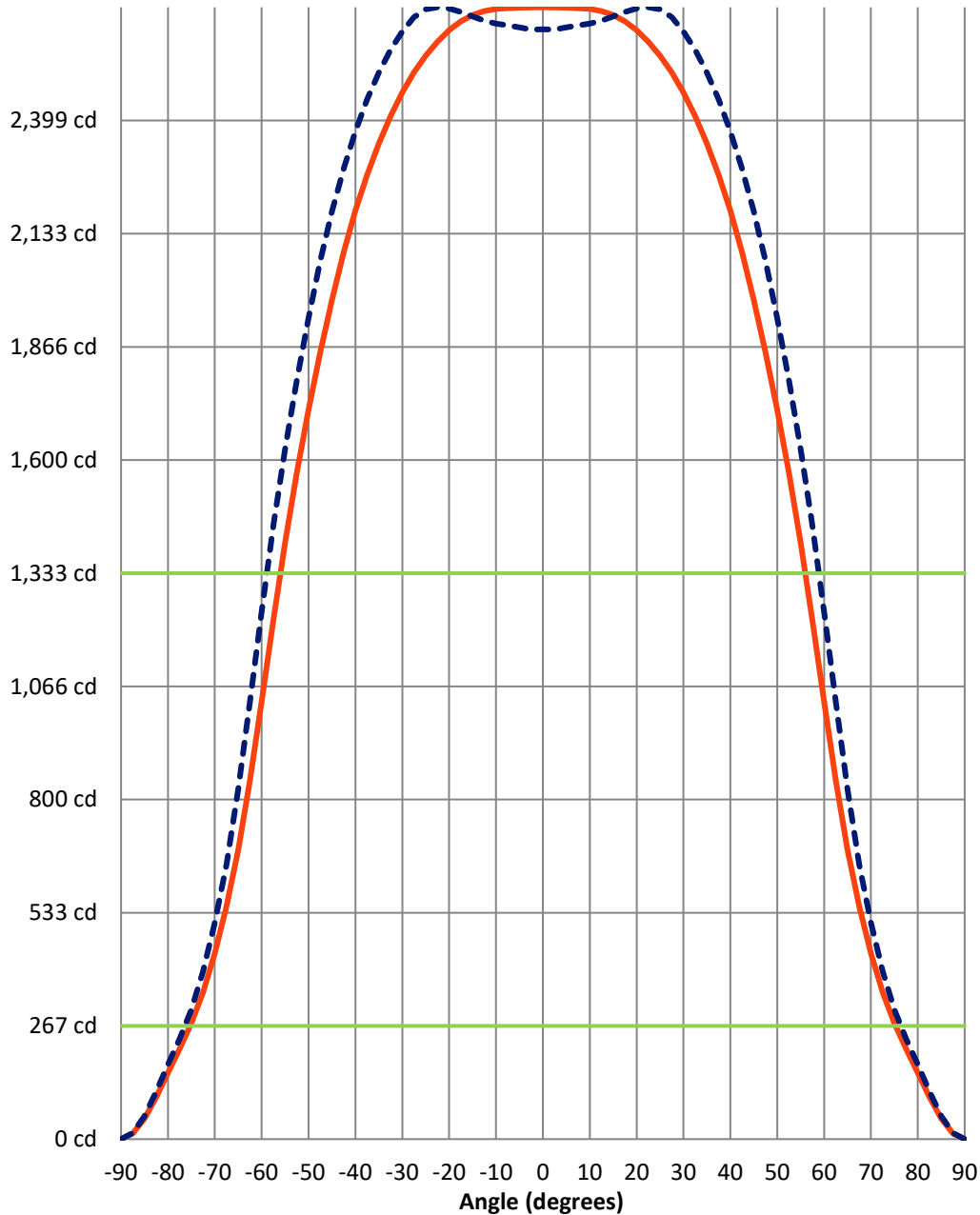
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 6787.4
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 7995.3
 Efficiency: 98.0%

Spill:
 Lumens: 160.4
 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	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
85°	0.0	1.3	2.5	3.8	5.1	6.3	7.5	8.8	10.0	11.2	12.3
82.5°	0.0	1.9	3.8	5.7	7.6	9.5	11.3	13.1	15.5	20.4	25.1
80°	0.0	2.5	5.1	7.6	10.1	12.6	15.8	22.4	29.0	35.4	41.7
77.5°	0.0	3.2	6.3	9.5	12.6	17.5	25.9	34.2	42.3	50.3	60.0
75°	0.0	3.8	7.5	11.3	15.8	25.9	35.9	45.8	56.1	70.1	83.8
72.5°	0.0	4.4	8.8	13.1	22.4	34.2	45.8	58.6	75.1	91.4	107.4
70°	0.0	5.0	10.0	15.5	29.0	42.3	56.1	75.1	93.9	112.5	132.6
67.5°	0.0	5.6	11.2	20.4	35.4	50.3	70.1	91.4	112.5	135.4	158.0
65°	0.0	6.2	12.3	25.1	41.7	60.0	83.8	107.4	132.6	158.0	182.6
62.5°	0.0	6.7	13.5	29.8	47.9	71.3	97.3	124.2	152.4	179.9	206.0
60°	0.0	7.3	14.6	34.3	54.0	82.3	110.5	141.2	171.7	200.6	229.0
57.5°	0.0	7.8	17.5	38.8	62.5	93.0	124.6	157.7	189.9	220.9	253.5
55°	0.0	8.4	20.4	43.1	70.8	103.5	138.4	173.9	207.5	241.2	278.4
52.5°	0.0	8.9	23.2	47.3	79.0	113.8	151.8	188.9	224.6	263.0	302.6
50°	0.0	9.4	25.9	51.3	86.8	124.6	164.8	203.4	241.8	284.2	332.7
47.5°	0.0	9.9	28.5	55.7	94.4	135.1	177.3	217.4	260.0	304.6	362.6
45°	0.0	10.3	31.0	61.1	101.7	145.2	188.8	230.9	277.5	330.4	391.4
42.5°	0.0	10.8	33.4	66.4	108.7	154.8	199.9	244.8	294.2	355.3	425.5
40°	0.0	11.2	35.7	71.3	115.7	164.0	210.5	258.8	311.9	379.1	459.1
37.5°	0.0	11.6	37.9	76.1	122.6	172.7	220.5	272.1	332.0	403.5	491.1
35°	0.0	12.0	39.9	80.6	129.2	180.8	230.0	284.7	351.0	430.7	523.8
32.5°	0.0	12.3	41.8	84.8	135.4	188.2	239.3	296.6	368.9	456.3	558.2
30°	0.0	12.6	43.6	88.7	141.2	195.1	248.8	308.5	385.7	480.4	590.5
27.5°	0.0	12.9	45.3	92.3	146.6	201.5	257.5	322.1	402.8	502.7	620.5
25°	0.0	13.2	46.8	95.7	151.6	207.5	265.6	334.6	421.0	526.0	648.5
22.5°	0.0	13.5	48.2	98.8	156.1	212.9	273.0	346.0	437.6	548.6	681.2
20°	0.0	13.7	49.5	101.5	160.1	217.7	279.7	356.2	452.6	568.9	710.8
17.5°	0.0	13.9	50.6	103.9	163.7	222.0	285.6	365.3	465.9	587.0	737.0
15°	0.0	14.1	51.6	106.1	166.8	225.8	290.7	373.3	477.5	602.8	760.0
12.5°	0.0	14.3	52.4	107.9	169.5	229.0	295.1	380.0	487.3	616.2	779.5
10°	0.0	14.4	53.1	109.4	171.7	231.6	298.7	385.6	495.4	627.3	795.6
7.5°	0.0	14.5	53.6	110.5	173.4	233.7	301.5	389.9	501.7	635.9	808.1
5°	0.0	14.5	54.0	111.3	174.6	235.1	303.5	393.0	506.3	642.0	817.1
2.5°	0.0	14.6	54.2	111.8	175.4	236.0	304.7	394.9	509.0	645.8	822.5
0°	0.0	14.6	54.3	112.0	175.6	236.3	305.1	395.5	509.9	647.0	824.3
-2.5°	0.0	14.6	54.2	111.8	175.4	236.0	304.7	394.9	509.0	645.8	822.5
-5°	0.0	14.5	54.0	111.3	174.6	235.1	303.5	393.0	506.3	642.0	817.1
-7.5°	0.0	14.5	53.6	110.5	173.4	233.7	301.5	389.9	501.7	635.9	808.1
-10°	0.0	14.4	53.1	109.4	171.7	231.6	298.7	385.6	495.4	627.3	795.6
-12.5°	0.0	14.3	52.4	107.9	169.5	229.0	295.1	380.0	487.3	616.2	779.5
-15°	0.0	14.1	51.6	106.1	166.8	225.8	290.7	373.3	477.5	602.8	760.0
-17.5°	0.0	13.9	50.6	103.9	163.7	222.0	285.6	365.3	465.9	587.0	737.0
-20°	0.0	13.7	49.5	101.5	160.1	217.7	279.7	356.2	452.6	568.9	710.8

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CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.5	48.2	98.8	156.1	212.9	273.0	346.0	437.6	548.6	681.2
-25°	0.0	13.2	46.8	95.7	151.6	207.5	265.6	334.6	421.0	526.0	648.5
-27.5°	0.0	12.9	45.3	92.3	146.6	201.5	257.5	322.1	402.8	502.7	620.5
-30°	0.0	12.6	43.6	88.7	141.2	195.1	248.8	308.5	385.7	480.4	590.5
-32.5°	0.0	12.3	41.8	84.8	135.4	188.2	239.3	296.6	368.9	456.3	558.2
-35°	0.0	12.0	39.9	80.6	129.2	180.8	230.0	284.7	351.0	430.7	523.8
-37.5°	0.0	11.6	37.9	76.1	122.6	172.7	220.5	272.1	332.0	403.5	491.1
-40°	0.0	11.2	35.7	71.3	115.7	164.0	210.5	258.8	311.9	379.1	459.1
-42.5°	0.0	10.8	33.4	66.4	108.7	154.8	199.9	244.8	294.2	355.3	425.5
-45°	0.0	10.3	31.0	61.1	101.7	145.2	188.8	230.9	277.5	330.4	391.4
-47.5°	0.0	9.9	28.5	55.7	94.4	135.1	177.3	217.4	260.0	304.6	362.6
-50°	0.0	9.4	25.9	51.3	86.8	124.6	164.8	203.4	241.8	284.2	332.7
-52.5°	0.0	8.9	23.2	47.3	79.0	113.8	151.8	188.9	224.6	263.0	302.6
-55°	0.0	8.4	20.4	43.1	70.8	103.5	138.4	173.9	207.5	241.2	278.4
-57.5°	0.0	7.8	17.5	38.8	62.5	93.0	124.6	157.7	189.9	220.9	253.5
-60°	0.0	7.3	14.6	34.3	54.0	82.3	110.5	141.2	171.7	200.6	229.0
-62.5°	0.0	6.7	13.5	29.8	47.9	71.3	97.3	124.2	152.4	179.9	206.0
-65°	0.0	6.2	12.3	25.1	41.7	60.0	83.8	107.4	132.6	158.0	182.6
-67.5°	0.0	5.6	11.2	20.4	35.4	50.3	70.1	91.4	112.5	135.4	158.0
-70°	0.0	5.0	10.0	15.5	29.0	42.3	56.1	75.1	93.9	112.5	132.6
-72.5°	0.0	4.4	8.8	13.1	22.4	34.2	45.8	58.6	75.1	91.4	107.4
-75°	0.0	3.8	7.5	11.3	15.8	25.9	35.9	45.8	56.1	70.1	83.8
-77.5°	0.0	3.2	6.3	9.5	12.6	17.5	25.9	34.2	42.3	50.3	60.0
-80°	0.0	2.5	5.1	7.6	10.1	12.6	15.8	22.4	29.0	35.4	41.7
-82.5°	0.0	1.9	3.8	5.7	7.6	9.5	11.3	13.1	15.5	20.4	25.1
-85°	0.0	1.3	2.5	3.8	5.1	6.3	7.5	8.8	10.0	11.2	12.3
-87.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
-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: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.3	10.8	11.2	11.6
85°	13.5	14.6	17.5	20.4	23.2	25.9	28.5	31.0	33.4	35.7	37.9
82.5°	29.8	34.3	38.8	43.1	47.3	51.3	55.7	61.1	66.4	71.3	76.1
80°	47.9	54.0	62.5	70.8	79.0	86.8	94.4	101.7	108.7	115.7	122.6
77.5°	71.3	82.3	93.0	103.5	113.8	124.6	135.1	145.2	154.8	164.0	172.7
75°	97.3	110.5	124.6	138.4	151.8	164.8	177.3	188.8	199.9	210.5	220.5
72.5°	124.2	141.2	157.7	173.9	188.9	203.4	217.4	230.9	244.8	258.8	272.1
70°	152.4	171.7	189.9	207.5	224.6	241.8	260.0	277.5	294.2	311.9	332.0
67.5°	179.9	200.6	220.9	241.2	263.0	284.2	304.6	330.4	355.3	379.1	403.5
65°	206.0	229.0	253.5	278.4	302.6	332.7	362.6	391.4	425.5	459.1	491.1
62.5°	231.7	259.7	287.6	318.0	353.0	387.0	426.5	466.7	505.5	549.1	591.6
60°	259.7	290.7	326.2	365.3	405.6	452.6	498.1	548.6	599.4	648.5	708.7
57.5°	287.6	326.2	369.5	416.1	468.4	521.1	580.3	637.6	706.4	775.0	843.3
55°	318.0	365.3	416.1	473.6	533.8	599.5	668.2	748.2	825.7	912.0	994.7
52.5°	353.0	405.6	468.4	533.8	606.0	685.0	773.6	865.2	961.8	1055.5	1147.4
50°	387.0	452.6	521.1	599.5	685.0	782.1	885.1	991.9	1097.3	1200.0	1296.3
47.5°	426.5	498.1	580.3	668.2	773.6	885.1	1002.0	1118.3	1231.9	1337.3	1438.3
45°	466.7	548.6	637.6	748.2	865.2	991.9	1118.3	1242.6	1358.0	1467.0	1562.3
42.5°	505.5	599.4	706.4	825.7	961.8	1097.3	1231.9	1358.0	1476.3	1581.3	1677.0
40°	549.1	648.5	775.0	912.0	1055.5	1200.0	1337.3	1467.0	1581.3	1685.8	1782.7
37.5°	591.6	708.7	843.3	994.7	1147.4	1296.3	1438.3	1562.3	1677.0	1782.7	1875.7
35°	631.9	766.0	915.9	1074.8	1235.1	1386.5	1524.8	1651.0	1765.0	1867.5	1962.6
32.5°	676.7	820.2	984.7	1151.8	1315.0	1469.2	1606.3	1729.8	1843.1	1947.2	2041.6
30°	723.0	878.6	1049.9	1224.3	1390.1	1540.9	1677.8	1802.8	1915.2	2018.1	2110.6
27.5°	766.0	933.7	1112.1	1289.8	1458.7	1608.1	1743.2	1866.2	1979.3	2082.9	2172.6
25°	805.8	984.7	1169.6	1349.9	1516.4	1666.2	1802.5	1925.5	2037.9	2137.3	2224.5
22.5°	845.1	1031.3	1222.4	1405.0	1569.5	1718.2	1853.1	1976.5	2089.0	2187.4	2271.1
20°	883.3	1074.8	1268.9	1453.8	1617.6	1765.3	1899.3	2022.4	2131.9	2227.2	2310.5
17.5°	917.2	1113.6	1309.7	1493.3	1657.2	1805.6	1940.1	2063.6	2170.5	2263.1	2344.5
15°	946.9	1147.4	1345.3	1527.8	1691.3	1839.1	1973.6	2095.8	2201.9	2293.7	2374.5
12.5°	972.2	1176.3	1375.7	1557.3	1720.3	1867.7	2002.2	2122.7	2227.0	2317.7	2396.8
10°	993.0	1200.0	1400.7	1581.7	1744.4	1891.4	2026.0	2145.1	2247.9	2337.6	2415.4
7.5°	1009.3	1218.6	1420.3	1600.7	1763.2	1909.9	2044.6	2162.6	2264.3	2353.3	2430.0
5°	1021.0	1231.9	1434.3	1614.3	1776.7	1923.2	2057.9	2175.2	2276.2	2364.7	2440.6
2.5°	1028.0	1239.9	1442.8	1622.6	1784.8	1931.2	2066.0	2182.9	2283.3	2371.5	2447.0
0°	1030.3	1242.6	1445.6	1625.3	1787.5	1933.9	2068.7	2185.4	2285.7	2373.8	2449.1
-2.5°	1028.0	1239.9	1442.8	1622.6	1784.8	1931.2	2066.0	2182.9	2283.3	2371.5	2447.0
-5°	1021.0	1231.9	1434.3	1614.3	1776.7	1923.2	2057.9	2175.2	2276.2	2364.7	2440.6
-7.5°	1009.3	1218.6	1420.3	1600.7	1763.2	1909.9	2044.6	2162.6	2264.3	2353.3	2430.0
-10°	993.0	1200.0	1400.7	1581.7	1744.4	1891.4	2026.0	2145.1	2247.9	2337.6	2415.4
-12.5°	972.2	1176.3	1375.7	1557.3	1720.3	1867.7	2002.2	2122.7	2227.0	2317.7	2396.8
-15°	946.9	1147.4	1345.3	1527.8	1691.3	1839.1	1973.6	2095.8	2201.9	2293.7	2374.5
-17.5°	917.2	1113.6	1309.7	1493.3	1657.2	1805.6	1940.1	2063.6	2170.5	2263.1	2344.5
-20°	883.3	1074.8	1268.9	1453.8	1617.6	1765.3	1899.3	2022.4	2131.9	2227.2	2310.5

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	845.1	1031.3	1222.4	1405.0	1569.5	1718.2	1853.1	1976.5	2089.0	2187.4	2271.1
-25°	805.8	984.7	1169.6	1349.9	1516.4	1666.2	1802.5	1925.5	2037.9	2137.3	2224.5
-27.5°	766.0	933.7	1112.1	1289.8	1458.7	1608.1	1743.2	1866.2	1979.3	2082.9	2172.6
-30°	723.0	878.6	1049.9	1224.3	1390.1	1540.9	1677.8	1802.8	1915.2	2018.1	2110.6
-32.5°	676.7	820.2	984.7	1151.8	1315.0	1469.2	1606.3	1729.8	1843.1	1947.2	2041.6
-35°	631.9	766.0	915.9	1074.8	1235.1	1386.5	1524.8	1651.0	1765.0	1867.5	1962.6
-37.5°	591.6	708.7	843.3	994.7	1147.4	1296.3	1438.3	1562.3	1677.0	1782.7	1875.7
-40°	549.1	648.5	775.0	912.0	1055.5	1200.0	1337.3	1467.0	1581.3	1685.8	1782.7
-42.5°	505.5	599.4	706.4	825.7	961.8	1097.3	1231.9	1358.0	1476.3	1581.3	1677.0
-45°	466.7	548.6	637.6	748.2	865.2	991.9	1118.3	1242.6	1358.0	1467.0	1562.3
-47.5°	426.5	498.1	580.3	668.2	773.6	885.1	1002.0	1118.3	1231.9	1337.3	1438.3
-50°	387.0	452.6	521.1	599.5	685.0	782.1	885.1	991.9	1097.3	1200.0	1296.3
-52.5°	353.0	405.6	468.4	533.8	606.0	685.0	773.6	865.2	961.8	1055.5	1147.4
-55°	318.0	365.3	416.1	473.6	533.8	599.5	668.2	748.2	825.7	912.0	994.7
-57.5°	287.6	326.2	369.5	416.1	468.4	521.1	580.3	637.6	706.4	775.0	843.3
-60°	259.7	290.7	326.2	365.3	405.6	452.6	498.1	548.6	599.4	648.5	708.7
-62.5°	231.7	259.7	287.6	318.0	353.0	387.0	426.5	466.7	505.5	549.1	591.6
-65°	206.0	229.0	253.5	278.4	302.6	332.7	362.6	391.4	425.5	459.1	491.1
-67.5°	179.9	200.6	220.9	241.2	263.0	284.2	304.6	330.4	355.3	379.1	403.5
-70°	152.4	171.7	189.9	207.5	224.6	241.8	260.0	277.5	294.2	311.9	332.0
-72.5°	124.2	141.2	157.7	173.9	188.9	203.4	217.4	230.9	244.8	258.8	272.1
-75°	97.3	110.5	124.6	138.4	151.8	164.8	177.3	188.8	199.9	210.5	220.5
-77.5°	71.3	82.3	93.0	103.5	113.8	124.6	135.1	145.2	154.8	164.0	172.7
-80°	47.9	54.0	62.5	70.8	79.0	86.8	94.4	101.7	108.7	115.7	122.6
-82.5°	29.8	34.3	38.8	43.1	47.3	51.3	55.7	61.1	66.4	71.3	76.1
-85°	13.5	14.6	17.5	20.4	23.2	25.9	28.5	31.0	33.4	35.7	37.9
-87.5°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.3	10.8	11.2	11.6
-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: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.0	12.3	12.6	12.9	13.2	13.5	13.7	13.9	14.1	14.3	14.4
85°	39.9	41.8	43.6	45.3	46.8	48.2	49.5	50.6	51.6	52.4	53.1
82.5°	80.6	84.8	88.7	92.3	95.7	98.8	101.5	103.9	106.1	107.9	109.4
80°	129.2	135.4	141.2	146.6	151.6	156.1	160.1	163.7	166.8	169.5	171.7
77.5°	180.8	188.2	195.1	201.5	207.5	212.9	217.7	222.0	225.8	229.0	231.6
75°	230.0	239.3	248.8	257.5	265.6	273.0	279.7	285.6	290.7	295.1	298.7
72.5°	284.7	296.6	308.5	322.1	334.6	346.0	356.2	365.3	373.3	380.0	385.6
70°	351.0	368.9	385.7	402.8	421.0	437.6	452.6	465.9	477.5	487.3	495.4
67.5°	430.7	456.3	480.4	502.7	526.0	548.6	568.9	587.0	602.8	616.2	627.3
65°	523.8	558.2	590.5	620.5	648.5	681.2	710.8	737.0	760.0	779.5	795.6
62.5°	631.9	676.7	723.0	766.0	805.8	845.1	883.3	917.2	946.9	972.2	993.0
60°	766.0	820.2	878.6	933.7	984.7	1031.3	1074.8	1113.6	1147.4	1176.3	1200.0
57.5°	915.9	984.7	1049.9	1112.1	1169.6	1222.4	1268.9	1309.7	1345.3	1375.7	1400.7
55°	1074.8	1151.8	1224.3	1289.8	1349.9	1405.0	1453.8	1493.3	1527.8	1557.3	1581.7
52.5°	1235.1	1315.0	1390.1	1458.7	1516.4	1569.5	1617.6	1657.2	1691.3	1720.3	1744.4
50°	1386.5	1469.2	1540.9	1608.1	1666.2	1718.2	1765.3	1805.6	1839.1	1867.7	1891.4
47.5°	1524.8	1606.3	1677.8	1743.2	1802.5	1853.1	1899.3	1940.1	1973.6	2002.2	2026.0
45°	1651.0	1729.8	1802.8	1866.2	1925.5	1976.5	2022.4	2063.6	2095.8	2122.7	2145.1
42.5°	1765.0	1843.1	1915.2	1979.3	2037.9	2089.0	2131.9	2170.5	2201.9	2227.0	2247.9
40°	1867.5	1947.2	2018.1	2082.9	2137.3	2187.4	2227.2	2263.1	2293.7	2317.7	2337.6
37.5°	1962.6	2041.6	2110.6	2172.6	2224.5	2271.1	2310.5	2344.5	2374.5	2396.8	2415.4
35°	2049.6	2124.7	2192.9	2249.7	2301.1	2345.0	2383.8	2415.2	2443.1	2464.3	2481.2
32.5°	2124.7	2199.1	2262.4	2318.3	2368.6	2409.5	2446.8	2475.5	2500.8	2521.3	2537.0
30°	2192.9	2262.4	2324.1	2379.5	2425.3	2465.2	2498.7	2526.8	2550.2	2569.7	2583.5
27.5°	2249.7	2318.3	2379.5	2430.6	2474.4	2512.8	2543.5	2570.5	2590.9	2608.8	2620.7
25°	2301.1	2368.6	2425.3	2474.4	2516.9	2552.0	2581.2	2605.6	2623.8	2639.1	2648.0
22.5°	2345.0	2409.5	2465.2	2512.8	2552.0	2584.8	2612.2	2633.0	2647.8	2657.1	2662.3
20°	2383.8	2446.8	2498.7	2543.5	2581.2	2612.2	2636.1	2651.5	2661.7	2664.3	2665.8
17.5°	2415.2	2475.5	2526.8	2570.5	2605.6	2633.0	2651.5	2662.2	2665.4	2664.8	2663.3
15°	2443.1	2500.8	2550.2	2590.9	2623.8	2647.8	2661.7	2665.4	2664.5	2661.3	2656.5
12.5°	2464.3	2521.3	2569.7	2608.8	2639.1	2657.1	2664.3	2664.8	2661.3	2655.4	2648.5
10°	2481.2	2537.0	2583.5	2620.7	2648.0	2662.3	2665.8	2663.3	2656.5	2648.5	2641.0
7.5°	2494.6	2549.4	2594.4	2630.2	2653.7	2663.9	2664.7	2659.9	2651.8	2642.7	2634.5
5°	2504.3	2558.5	2602.4	2637.2	2658.0	2665.1	2663.9	2657.2	2647.8	2638.4	2630.9
2.5°	2510.1	2564.0	2607.3	2641.4	2660.5	2665.9	2663.4	2655.6	2645.3	2635.6	2628.5
0°	2512.1	2565.8	2608.9	2642.8	2661.4	2666.1	2663.2	2655.0	2644.5	2634.6	2627.6
-2.5°	2510.1	2564.0	2607.3	2641.4	2660.5	2665.9	2663.4	2655.6	2645.3	2635.6	2628.5
-5°	2504.3	2558.5	2602.4	2637.2	2658.0	2665.1	2663.9	2657.2	2647.8	2638.4	2630.9
-7.5°	2494.6	2549.4	2594.4	2630.2	2653.7	2663.9	2664.7	2659.9	2651.8	2642.7	2634.5
-10°	2481.2	2537.0	2583.5	2620.7	2648.0	2662.3	2665.8	2663.3	2656.5	2648.5	2641.0
-12.5°	2464.3	2521.3	2569.7	2608.8	2639.1	2657.1	2664.3	2664.8	2661.3	2655.4	2648.5
-15°	2443.1	2500.8	2550.2	2590.9	2623.8	2647.8	2661.7	2665.4	2664.5	2661.3	2656.5
-17.5°	2415.2	2475.5	2526.8	2570.5	2605.6	2633.0	2651.5	2662.2	2665.4	2664.8	2663.3
-20°	2383.8	2446.8	2498.7	2543.5	2581.2	2612.2	2636.1	2651.5	2661.7	2664.3	2665.8



REPORT NUMBER: P645358 (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°	2345.0	2409.5	2465.2	2512.8	2552.0	2584.8	2612.2	2633.0	2647.8	2657.1	2662.3
-25°	2301.1	2368.6	2425.3	2474.4	2516.9	2552.0	2581.2	2605.6	2623.8	2639.1	2648.0
-27.5°	2249.7	2318.3	2379.5	2430.6	2474.4	2512.8	2543.5	2570.5	2590.9	2608.8	2620.7
-30°	2192.9	2262.4	2324.1	2379.5	2425.3	2465.2	2498.7	2526.8	2550.2	2569.7	2583.5
-32.5°	2124.7	2199.1	2262.4	2318.3	2368.6	2409.5	2446.8	2475.5	2500.8	2521.3	2537.0
-35°	2049.6	2124.7	2192.9	2249.7	2301.1	2345.0	2383.8	2415.2	2443.1	2464.3	2481.2
-37.5°	1962.6	2041.6	2110.6	2172.6	2224.5	2271.1	2310.5	2344.5	2374.5	2396.8	2415.4
-40°	1867.5	1947.2	2018.1	2082.9	2137.3	2187.4	2227.2	2263.1	2293.7	2317.7	2337.6
-42.5°	1765.0	1843.1	1915.2	1979.3	2037.9	2089.0	2131.9	2170.5	2201.9	2227.0	2247.9
-45°	1651.0	1729.8	1802.8	1866.2	1925.5	1976.5	2022.4	2063.6	2095.8	2122.7	2145.1
-47.5°	1524.8	1606.3	1677.8	1743.2	1802.5	1853.1	1899.3	1940.1	1973.6	2002.2	2026.0
-50°	1386.5	1469.2	1540.9	1608.1	1666.2	1718.2	1765.3	1805.6	1839.1	1867.7	1891.4
-52.5°	1235.1	1315.0	1390.1	1458.7	1516.4	1569.5	1617.6	1657.2	1691.3	1720.3	1744.4
-55°	1074.8	1151.8	1224.3	1289.8	1349.9	1405.0	1453.8	1493.3	1527.8	1557.3	1581.7
-57.5°	915.9	984.7	1049.9	1112.1	1169.6	1222.4	1268.9	1309.7	1345.3	1375.7	1400.7
-60°	766.0	820.2	878.6	933.7	984.7	1031.3	1074.8	1113.6	1147.4	1176.3	1200.0
-62.5°	631.9	676.7	723.0	766.0	805.8	845.1	883.3	917.2	946.9	972.2	993.0
-65°	523.8	558.2	590.5	620.5	648.5	681.2	710.8	737.0	760.0	779.5	795.6
-67.5°	430.7	456.3	480.4	502.7	526.0	548.6	568.9	587.0	602.8	616.2	627.3
-70°	351.0	368.9	385.7	402.8	421.0	437.6	452.6	465.9	477.5	487.3	495.4
-72.5°	284.7	296.6	308.5	322.1	334.6	346.0	356.2	365.3	373.3	380.0	385.6
-75°	230.0	239.3	248.8	257.5	265.6	273.0	279.7	285.6	290.7	295.1	298.7
-77.5°	180.8	188.2	195.1	201.5	207.5	212.9	217.7	222.0	225.8	229.0	231.6
-80°	129.2	135.4	141.2	146.6	151.6	156.1	160.1	163.7	166.8	169.5	171.7
-82.5°	80.6	84.8	88.7	92.3	95.7	98.8	101.5	103.9	106.1	107.9	109.4
-85°	39.9	41.8	43.6	45.3	46.8	48.2	49.5	50.6	51.6	52.4	53.1
-87.5°	12.0	12.3	12.6	12.9	13.2	13.5	13.7	13.9	14.1	14.3	14.4
-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: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.5	14.5	14.6	14.6	14.6	14.5	14.5	14.4	14.3	14.1	13.9
85°	53.6	54.0	54.2	54.3	54.2	54.0	53.6	53.1	52.4	51.6	50.6
82.5°	110.5	111.3	111.8	112.0	111.8	111.3	110.5	109.4	107.9	106.1	103.9
80°	173.4	174.6	175.4	175.6	175.4	174.6	173.4	171.7	169.5	166.8	163.7
77.5°	233.7	235.1	236.0	236.3	236.0	235.1	233.7	231.6	229.0	225.8	222.0
75°	301.5	303.5	304.7	305.1	304.7	303.5	301.5	298.7	295.1	290.7	285.6
72.5°	389.9	393.0	394.9	395.5	394.9	393.0	389.9	385.6	380.0	373.3	365.3
70°	501.7	506.3	509.0	509.9	509.0	506.3	501.7	495.4	487.3	477.5	465.9
67.5°	635.9	642.0	645.8	647.0	645.8	642.0	635.9	627.3	616.2	602.8	587.0
65°	808.1	817.1	822.5	824.3	822.5	817.1	808.1	795.6	779.5	760.0	737.0
62.5°	1009.3	1021.0	1028.0	1030.3	1028.0	1021.0	1009.3	993.0	972.2	946.9	917.2
60°	1218.6	1231.9	1239.9	1242.6	1239.9	1231.9	1218.6	1200.0	1176.3	1147.4	1113.6
57.5°	1420.3	1434.3	1442.8	1445.6	1442.8	1434.3	1420.3	1400.7	1375.7	1345.3	1309.7
55°	1600.7	1614.3	1622.6	1625.3	1622.6	1614.3	1600.7	1581.7	1557.3	1527.8	1493.3
52.5°	1763.2	1776.7	1784.8	1787.5	1784.8	1776.7	1763.2	1744.4	1720.3	1691.3	1657.2
50°	1909.9	1923.2	1931.2	1933.9	1931.2	1923.2	1909.9	1891.4	1867.7	1839.1	1805.6
47.5°	2044.6	2057.9	2066.0	2068.7	2066.0	2057.9	2044.6	2026.0	2002.2	1973.6	1940.1
45°	2162.6	2175.2	2182.9	2185.4	2182.9	2175.2	2162.6	2145.1	2122.7	2095.8	2063.6
42.5°	2264.3	2276.2	2283.3	2285.7	2283.3	2276.2	2264.3	2247.9	2227.0	2201.9	2170.5
40°	2353.3	2364.7	2371.5	2373.8	2371.5	2364.7	2353.3	2337.6	2317.7	2293.7	2263.1
37.5°	2430.0	2440.6	2447.0	2449.1	2447.0	2440.6	2430.0	2415.4	2396.8	2374.5	2344.5
35°	2494.6	2504.3	2510.1	2512.1	2510.1	2504.3	2494.6	2481.2	2464.3	2443.1	2415.2
32.5°	2549.4	2558.5	2564.0	2565.8	2564.0	2558.5	2549.4	2537.0	2521.3	2500.8	2475.5
30°	2594.4	2602.4	2607.3	2608.9	2607.3	2602.4	2594.4	2583.5	2569.7	2550.2	2526.8
27.5°	2630.2	2637.2	2641.4	2642.8	2641.4	2637.2	2630.2	2620.7	2608.8	2590.9	2570.5
25°	2653.7	2658.0	2660.5	2661.4	2660.5	2658.0	2653.7	2648.0	2639.1	2623.8	2605.6
22.5°	2663.9	2665.1	2665.9	2666.1	2665.9	2665.1	2663.9	2662.3	2657.1	2647.8	2633.0
20°	2664.7	2663.9	2663.4	2663.2	2663.4	2663.9	2664.7	2665.8	2664.3	2661.7	2651.5
17.5°	2659.9	2657.2	2655.6	2655.0	2655.6	2657.2	2659.9	2663.3	2664.8	2665.4	2662.2
15°	2651.8	2647.8	2645.3	2644.5	2645.3	2647.8	2651.8	2656.5	2661.3	2664.5	2665.4
12.5°	2642.7	2638.4	2635.6	2634.6	2635.6	2638.4	2642.7	2648.5	2655.4	2661.3	2664.8
10°	2634.5	2630.9	2628.5	2627.6	2628.5	2630.9	2634.5	2641.0	2648.5	2656.5	2663.3
7.5°	2629.3	2626.0	2624.2	2623.5	2624.2	2626.0	2629.3	2634.5	2642.7	2651.8	2659.9
5°	2626.0	2622.7	2619.9	2618.8	2619.9	2622.7	2626.0	2630.9	2638.4	2647.8	2657.2
2.5°	2624.2	2619.9	2615.8	2613.6	2615.8	2619.9	2624.2	2628.5	2635.6	2645.3	2655.6
0°	2623.5	2618.8	2613.6	2614.2	2613.6	2618.8	2623.5	2627.6	2634.6	2644.5	2655.0
-2.5°	2624.2	2619.9	2615.8	2613.6	2615.8	2619.9	2624.2	2628.5	2635.6	2645.3	2655.6
-5°	2626.0	2622.7	2619.9	2618.8	2619.9	2622.7	2626.0	2630.9	2638.4	2647.8	2657.2
-7.5°	2629.3	2626.0	2624.2	2623.5	2624.2	2626.0	2629.3	2634.5	2642.7	2651.8	2659.9
-10°	2634.5	2630.9	2628.5	2627.6	2628.5	2630.9	2634.5	2641.0	2648.5	2656.5	2663.3
-12.5°	2642.7	2638.4	2635.6	2634.6	2635.6	2638.4	2642.7	2648.5	2655.4	2661.3	2664.8
-15°	2651.8	2647.8	2645.3	2644.5	2645.3	2647.8	2651.8	2656.5	2661.3	2664.5	2665.4
-17.5°	2659.9	2657.2	2655.6	2655.0	2655.6	2657.2	2659.9	2663.3	2664.8	2665.4	2662.2
-20°	2664.7	2663.9	2663.4	2663.2	2663.4	2663.9	2664.7	2665.8	2664.3	2661.7	2651.5

Classified

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

Scaled Data Report



REPORT NUMBER: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2663.9	2665.1	2665.9	2666.1	2665.9	2665.1	2663.9	2662.3	2657.1	2647.8	2633.0
-25°	2653.7	2658.0	2660.5	2661.4	2660.5	2658.0	2653.7	2648.0	2639.1	2623.8	2605.6
-27.5°	2630.2	2637.2	2641.4	2642.8	2641.4	2637.2	2630.2	2620.7	2608.8	2590.9	2570.5
-30°	2594.4	2602.4	2607.3	2608.9	2607.3	2602.4	2594.4	2583.5	2569.7	2550.2	2526.8
-32.5°	2549.4	2558.5	2564.0	2565.8	2564.0	2558.5	2549.4	2537.0	2521.3	2500.8	2475.5
-35°	2494.6	2504.3	2510.1	2512.1	2510.1	2504.3	2494.6	2481.2	2464.3	2443.1	2415.2
-37.5°	2430.0	2440.6	2447.0	2449.1	2447.0	2440.6	2430.0	2415.4	2396.8	2374.5	2344.5
-40°	2353.3	2364.7	2371.5	2373.8	2371.5	2364.7	2353.3	2337.6	2317.7	2293.7	2263.1
-42.5°	2264.3	2276.2	2283.3	2285.7	2283.3	2276.2	2264.3	2247.9	2227.0	2201.9	2170.5
-45°	2162.6	2175.2	2182.9	2185.4	2182.9	2175.2	2162.6	2145.1	2122.7	2095.8	2063.6
-47.5°	2044.6	2057.9	2066.0	2068.7	2066.0	2057.9	2044.6	2026.0	2002.2	1973.6	1940.1
-50°	1909.9	1923.2	1931.2	1933.9	1931.2	1923.2	1909.9	1891.4	1867.7	1839.1	1805.6
-52.5°	1763.2	1776.7	1784.8	1787.5	1784.8	1776.7	1763.2	1744.4	1720.3	1691.3	1657.2
-55°	1600.7	1614.3	1622.6	1625.3	1622.6	1614.3	1600.7	1581.7	1557.3	1527.8	1493.3
-57.5°	1420.3	1434.3	1442.8	1445.6	1442.8	1434.3	1420.3	1400.7	1375.7	1345.3	1309.7
-60°	1218.6	1231.9	1239.9	1242.6	1239.9	1231.9	1218.6	1200.0	1176.3	1147.4	1113.6
-62.5°	1009.3	1021.0	1028.0	1030.3	1028.0	1021.0	1009.3	993.0	972.2	946.9	917.2
-65°	808.1	817.1	822.5	824.3	822.5	817.1	808.1	795.6	779.5	760.0	737.0
-67.5°	635.9	642.0	645.8	647.0	645.8	642.0	635.9	627.3	616.2	602.8	587.0
-70°	501.7	506.3	509.0	509.9	509.0	506.3	501.7	495.4	487.3	477.5	465.9
-72.5°	389.9	393.0	394.9	395.5	394.9	393.0	389.9	385.6	380.0	373.3	365.3
-75°	301.5	303.5	304.7	305.1	304.7	303.5	301.5	298.7	295.1	290.7	285.6
-77.5°	233.7	235.1	236.0	236.3	236.0	235.1	233.7	231.6	229.0	225.8	222.0
-80°	173.4	174.6	175.4	175.6	175.4	174.6	173.4	171.7	169.5	166.8	163.7
-82.5°	110.5	111.3	111.8	112.0	111.8	111.3	110.5	109.4	107.9	106.1	103.9
-85°	53.6	54.0	54.2	54.3	54.2	54.0	53.6	53.1	52.4	51.6	50.6
-87.5°	14.5	14.5	14.6	14.6	14.6	14.5	14.5	14.4	14.3	14.1	13.9
-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: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	13.7	13.5	13.2	12.9	12.6	12.3	12.0	11.6	11.2	10.8	10.3
85°	49.5	48.2	46.8	45.3	43.6	41.8	39.9	37.9	35.7	33.4	31.0
82.5°	101.5	98.8	95.7	92.3	88.7	84.8	80.6	76.1	71.3	66.4	61.1
80°	160.1	156.1	151.6	146.6	141.2	135.4	129.2	122.6	115.7	108.7	101.7
77.5°	217.7	212.9	207.5	201.5	195.1	188.2	180.8	172.7	164.0	154.8	145.2
75°	279.7	273.0	265.6	257.5	248.8	239.3	230.0	220.5	210.5	199.9	188.8
72.5°	356.2	346.0	334.6	322.1	308.5	296.6	284.7	272.1	258.8	244.8	230.9
70°	452.6	437.6	421.0	402.8	385.7	368.9	351.0	332.0	311.9	294.2	277.5
67.5°	568.9	548.6	526.0	502.7	480.4	456.3	430.7	403.5	379.1	355.3	330.4
65°	710.8	681.2	648.5	620.5	590.5	558.2	523.8	491.1	459.1	425.5	391.4
62.5°	883.3	845.1	805.8	766.0	723.0	676.7	631.9	591.6	549.1	505.5	466.7
60°	1074.8	1031.3	984.7	933.7	878.6	820.2	766.0	708.7	648.5	599.4	548.6
57.5°	1268.9	1222.4	1169.6	1112.1	1049.9	984.7	915.9	843.3	775.0	706.4	637.6
55°	1453.8	1405.0	1349.9	1289.8	1224.3	1151.8	1074.8	994.7	912.0	825.7	748.2
52.5°	1617.6	1569.5	1516.4	1458.7	1390.1	1315.0	1235.1	1147.4	1055.5	961.8	865.2
50°	1765.3	1718.2	1666.2	1608.1	1540.9	1469.2	1386.5	1296.3	1200.0	1097.3	991.9
47.5°	1899.3	1853.1	1802.5	1743.2	1677.8	1606.3	1524.8	1438.3	1337.3	1231.9	1118.3
45°	2022.4	1976.5	1925.5	1866.2	1802.8	1729.8	1651.0	1562.3	1467.0	1358.0	1242.6
42.5°	2131.9	2089.0	2037.9	1979.3	1915.2	1843.1	1765.0	1677.0	1581.3	1476.3	1358.0
40°	2227.2	2187.4	2137.3	2082.9	2018.1	1947.2	1867.5	1782.7	1685.8	1581.3	1467.0
37.5°	2310.5	2271.1	2224.5	2172.6	2110.6	2041.6	1962.6	1875.7	1782.7	1677.0	1562.3
35°	2383.8	2345.0	2301.1	2249.7	2192.9	2124.7	2049.6	1962.6	1867.5	1765.0	1651.0
32.5°	2446.8	2409.5	2368.6	2318.3	2262.4	2199.1	2124.7	2041.6	1947.2	1843.1	1729.8
30°	2498.7	2465.2	2425.3	2379.5	2324.1	2262.4	2192.9	2110.6	2018.1	1915.2	1802.8
27.5°	2543.5	2512.8	2474.4	2430.6	2379.5	2318.3	2249.7	2172.6	2082.9	1979.3	1866.2
25°	2581.2	2552.0	2516.9	2474.4	2425.3	2368.6	2301.1	2224.5	2137.3	2037.9	1925.5
22.5°	2612.2	2584.8	2552.0	2512.8	2465.2	2409.5	2345.0	2271.1	2187.4	2089.0	1976.5
20°	2636.1	2612.2	2581.2	2543.5	2498.7	2446.8	2383.8	2310.5	2227.2	2131.9	2022.4
17.5°	2651.5	2633.0	2605.6	2570.5	2526.8	2475.5	2415.2	2344.5	2263.1	2170.5	2063.6
15°	2661.7	2647.8	2623.8	2590.9	2550.2	2500.8	2443.1	2374.5	2293.7	2201.9	2095.8
12.5°	2664.3	2657.1	2639.1	2608.8	2569.7	2521.3	2464.3	2396.8	2317.7	2227.0	2122.7
10°	2665.8	2662.3	2648.0	2620.7	2583.5	2537.0	2481.2	2415.4	2337.6	2247.9	2145.1
7.5°	2664.7	2663.9	2653.7	2630.2	2594.4	2549.4	2494.6	2430.0	2353.3	2264.3	2162.6
5°	2663.9	2665.1	2658.0	2637.2	2602.4	2558.5	2504.3	2440.6	2364.7	2276.2	2175.2
2.5°	2663.4	2665.9	2660.5	2641.4	2607.3	2564.0	2510.1	2447.0	2371.5	2283.3	2182.9
0°	2663.2	2666.1	2661.4	2642.8	2608.9	2565.8	2512.1	2449.1	2373.8	2285.7	2185.4
-2.5°	2663.4	2665.9	2660.5	2641.4	2607.3	2564.0	2510.1	2447.0	2371.5	2283.3	2182.9
-5°	2663.9	2665.1	2658.0	2637.2	2602.4	2558.5	2504.3	2440.6	2364.7	2276.2	2175.2
-7.5°	2664.7	2663.9	2653.7	2630.2	2594.4	2549.4	2494.6	2430.0	2353.3	2264.3	2162.6
-10°	2665.8	2662.3	2648.0	2620.7	2583.5	2537.0	2481.2	2415.4	2337.6	2247.9	2145.1
-12.5°	2664.3	2657.1	2639.1	2608.8	2569.7	2521.3	2464.3	2396.8	2317.7	2227.0	2122.7
-15°	2661.7	2647.8	2623.8	2590.9	2550.2	2500.8	2443.1	2374.5	2293.7	2201.9	2095.8
-17.5°	2651.5	2633.0	2605.6	2570.5	2526.8	2475.5	2415.2	2344.5	2263.1	2170.5	2063.6
-20°	2636.1	2612.2	2581.2	2543.5	2498.7	2446.8	2383.8	2310.5	2227.2	2131.9	2022.4



REPORT NUMBER: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2612.2	2584.8	2552.0	2512.8	2465.2	2409.5	2345.0	2271.1	2187.4	2089.0	1976.5
-25°	2581.2	2552.0	2516.9	2474.4	2425.3	2368.6	2301.1	2224.5	2137.3	2037.9	1925.5
-27.5°	2543.5	2512.8	2474.4	2430.6	2379.5	2318.3	2249.7	2172.6	2082.9	1979.3	1866.2
-30°	2498.7	2465.2	2425.3	2379.5	2324.1	2262.4	2192.9	2110.6	2018.1	1915.2	1802.8
-32.5°	2446.8	2409.5	2368.6	2318.3	2262.4	2199.1	2124.7	2041.6	1947.2	1843.1	1729.8
-35°	2383.8	2345.0	2301.1	2249.7	2192.9	2124.7	2049.6	1962.6	1867.5	1765.0	1651.0
-37.5°	2310.5	2271.1	2224.5	2172.6	2110.6	2041.6	1962.6	1875.7	1782.7	1677.0	1562.3
-40°	2227.2	2187.4	2137.3	2082.9	2018.1	1947.2	1867.5	1782.7	1685.8	1581.3	1467.0
-42.5°	2131.9	2089.0	2037.9	1979.3	1915.2	1843.1	1765.0	1677.0	1581.3	1476.3	1358.0
-45°	2022.4	1976.5	1925.5	1866.2	1802.8	1729.8	1651.0	1562.3	1467.0	1358.0	1242.6
-47.5°	1899.3	1853.1	1802.5	1743.2	1677.8	1606.3	1524.8	1438.3	1337.3	1231.9	1118.3
-50°	1765.3	1718.2	1666.2	1608.1	1540.9	1469.2	1386.5	1296.3	1200.0	1097.3	991.9
-52.5°	1617.6	1569.5	1516.4	1458.7	1390.1	1315.0	1235.1	1147.4	1055.5	961.8	865.2
-55°	1453.8	1405.0	1349.9	1289.8	1224.3	1151.8	1074.8	994.7	912.0	825.7	748.2
-57.5°	1268.9	1222.4	1169.6	1112.1	1049.9	984.7	915.9	843.3	775.0	706.4	637.6
-60°	1074.8	1031.3	984.7	933.7	878.6	820.2	766.0	708.7	648.5	599.4	548.6
-62.5°	883.3	845.1	805.8	766.0	723.0	676.7	631.9	591.6	549.1	505.5	466.7
-65°	710.8	681.2	648.5	620.5	590.5	558.2	523.8	491.1	459.1	425.5	391.4
-67.5°	568.9	548.6	526.0	502.7	480.4	456.3	430.7	403.5	379.1	355.3	330.4
-70°	452.6	437.6	421.0	402.8	385.7	368.9	351.0	332.0	311.9	294.2	277.5
-72.5°	356.2	346.0	334.6	322.1	308.5	296.6	284.7	272.1	258.8	244.8	230.9
-75°	279.7	273.0	265.6	257.5	248.8	239.3	230.0	220.5	210.5	199.9	188.8
-77.5°	217.7	212.9	207.5	201.5	195.1	188.2	180.8	172.7	164.0	154.8	145.2
-80°	160.1	156.1	151.6	146.6	141.2	135.4	129.2	122.6	115.7	108.7	101.7
-82.5°	101.5	98.8	95.7	92.3	88.7	84.8	80.6	76.1	71.3	66.4	61.1
-85°	49.5	48.2	46.8	45.3	43.6	41.8	39.9	37.9	35.7	33.4	31.0
-87.5°	13.7	13.5	13.2	12.9	12.6	12.3	12.0	11.6	11.2	10.8	10.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645358 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.2	5.6	5.0	4.4
85°	28.5	25.9	23.2	20.4	17.5	14.6	13.5	12.3	11.2	10.0	8.8
82.5°	55.7	51.3	47.3	43.1	38.8	34.3	29.8	25.1	20.4	15.5	13.1
80°	94.4	86.8	79.0	70.8	62.5	54.0	47.9	41.7	35.4	29.0	22.4
77.5°	135.1	124.6	113.8	103.5	93.0	82.3	71.3	60.0	50.3	42.3	34.2
75°	177.3	164.8	151.8	138.4	124.6	110.5	97.3	83.8	70.1	56.1	45.8
72.5°	217.4	203.4	188.9	173.9	157.7	141.2	124.2	107.4	91.4	75.1	58.6
70°	260.0	241.8	224.6	207.5	189.9	171.7	152.4	132.6	112.5	93.9	75.1
67.5°	304.6	284.2	263.0	241.2	220.9	200.6	179.9	158.0	135.4	112.5	91.4
65°	362.6	332.7	302.6	278.4	253.5	229.0	206.0	182.6	158.0	132.6	107.4
62.5°	426.5	387.0	353.0	318.0	287.6	259.7	231.7	206.0	179.9	152.4	124.2
60°	498.1	452.6	405.6	365.3	326.2	290.7	259.7	229.0	200.6	171.7	141.2
57.5°	580.3	521.1	468.4	416.1	369.5	326.2	287.6	253.5	220.9	189.9	157.7
55°	668.2	599.5	533.8	473.6	416.1	365.3	318.0	278.4	241.2	207.5	173.9
52.5°	773.6	685.0	606.0	533.8	468.4	405.6	353.0	302.6	263.0	224.6	188.9
50°	885.1	782.1	685.0	599.5	521.1	452.6	387.0	332.7	284.2	241.8	203.4
47.5°	1002.0	885.1	773.6	668.2	580.3	498.1	426.5	362.6	304.6	260.0	217.4
45°	1118.3	991.9	865.2	748.2	637.6	548.6	466.7	391.4	330.4	277.5	230.9
42.5°	1231.9	1097.3	961.8	825.7	706.4	599.4	505.5	425.5	355.3	294.2	244.8
40°	1337.3	1200.0	1055.5	912.0	775.0	648.5	549.1	459.1	379.1	311.9	258.8
37.5°	1438.3	1296.3	1147.4	994.7	843.3	708.7	591.6	491.1	403.5	332.0	272.1
35°	1524.8	1386.5	1235.1	1074.8	915.9	766.0	631.9	523.8	430.7	351.0	284.7
32.5°	1606.3	1469.2	1315.0	1151.8	984.7	820.2	676.7	558.2	456.3	368.9	296.6
30°	1677.8	1540.9	1390.1	1224.3	1049.9	878.6	723.0	590.5	480.4	385.7	308.5
27.5°	1743.2	1608.1	1458.7	1289.8	1112.1	933.7	766.0	620.5	502.7	402.8	322.1
25°	1802.5	1666.2	1516.4	1349.9	1169.6	984.7	805.8	648.5	526.0	421.0	334.6
22.5°	1853.1	1718.2	1569.5	1405.0	1222.4	1031.3	845.1	681.2	548.6	437.6	346.0
20°	1899.3	1765.3	1617.6	1453.8	1268.9	1074.8	883.3	710.8	568.9	452.6	356.2
17.5°	1940.1	1805.6	1657.2	1493.3	1309.7	1113.6	917.2	737.0	587.0	465.9	365.3
15°	1973.6	1839.1	1691.3	1527.8	1345.3	1147.4	946.9	760.0	602.8	477.5	373.3
12.5°	2002.2	1867.7	1720.3	1557.3	1375.7	1176.3	972.2	779.5	616.2	487.3	380.0
10°	2026.0	1891.4	1744.4	1581.7	1400.7	1200.0	993.0	795.6	627.3	495.4	385.6
7.5°	2044.6	1909.9	1763.2	1600.7	1420.3	1218.6	1009.3	808.1	635.9	501.7	389.9
5°	2057.9	1923.2	1776.7	1614.3	1434.3	1231.9	1021.0	817.1	642.0	506.3	393.0
2.5°	2066.0	1931.2	1784.8	1622.6	1442.8	1239.9	1028.0	822.5	645.8	509.0	394.9
0°	2068.7	1933.9	1787.5	1625.3	1445.6	1242.6	1030.3	824.3	647.0	509.9	395.5
-2.5°	2066.0	1931.2	1784.8	1622.6	1442.8	1239.9	1028.0	822.5	645.8	509.0	394.9
-5°	2057.9	1923.2	1776.7	1614.3	1434.3	1231.9	1021.0	817.1	642.0	506.3	393.0
-7.5°	2044.6	1909.9	1763.2	1600.7	1420.3	1218.6	1009.3	808.1	635.9	501.7	389.9
-10°	2026.0	1891.4	1744.4	1581.7	1400.7	1200.0	993.0	795.6	627.3	495.4	385.6
-12.5°	2002.2	1867.7	1720.3	1557.3	1375.7	1176.3	972.2	779.5	616.2	487.3	380.0
-15°	1973.6	1839.1	1691.3	1527.8	1345.3	1147.4	946.9	760.0	602.8	477.5	373.3
-17.5°	1940.1	1805.6	1657.2	1493.3	1309.7	1113.6	917.2	737.0	587.0	465.9	365.3
-20°	1899.3	1765.3	1617.6	1453.8	1268.9	1074.8	883.3	710.8	568.9	452.6	356.2



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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°	1853.1	1718.2	1569.5	1405.0	1222.4	1031.3	845.1	681.2	548.6	437.6	346.0
-25°	1802.5	1666.2	1516.4	1349.9	1169.6	984.7	805.8	648.5	526.0	421.0	334.6
-27.5°	1743.2	1608.1	1458.7	1289.8	1112.1	933.7	766.0	620.5	502.7	402.8	322.1
-30°	1677.8	1540.9	1390.1	1224.3	1049.9	878.6	723.0	590.5	480.4	385.7	308.5
-32.5°	1606.3	1469.2	1315.0	1151.8	984.7	820.2	676.7	558.2	456.3	368.9	296.6
-35°	1524.8	1386.5	1235.1	1074.8	915.9	766.0	631.9	523.8	430.7	351.0	284.7
-37.5°	1438.3	1296.3	1147.4	994.7	843.3	708.7	591.6	491.1	403.5	332.0	272.1
-40°	1337.3	1200.0	1055.5	912.0	775.0	648.5	549.1	459.1	379.1	311.9	258.8
-42.5°	1231.9	1097.3	961.8	825.7	706.4	599.4	505.5	425.5	355.3	294.2	244.8
-45°	1118.3	991.9	865.2	748.2	637.6	548.6	466.7	391.4	330.4	277.5	230.9
-47.5°	1002.0	885.1	773.6	668.2	580.3	498.1	426.5	362.6	304.6	260.0	217.4
-50°	885.1	782.1	685.0	599.5	521.1	452.6	387.0	332.7	284.2	241.8	203.4
-52.5°	773.6	685.0	606.0	533.8	468.4	405.6	353.0	302.6	263.0	224.6	188.9
-55°	668.2	599.5	533.8	473.6	416.1	365.3	318.0	278.4	241.2	207.5	173.9
-57.5°	580.3	521.1	468.4	416.1	369.5	326.2	287.6	253.5	220.9	189.9	157.7
-60°	498.1	452.6	405.6	365.3	326.2	290.7	259.7	229.0	200.6	171.7	141.2
-62.5°	426.5	387.0	353.0	318.0	287.6	259.7	231.7	206.0	179.9	152.4	124.2
-65°	362.6	332.7	302.6	278.4	253.5	229.0	206.0	182.6	158.0	132.6	107.4
-67.5°	304.6	284.2	263.0	241.2	220.9	200.6	179.9	158.0	135.4	112.5	91.4
-70°	260.0	241.8	224.6	207.5	189.9	171.7	152.4	132.6	112.5	93.9	75.1
-72.5°	217.4	203.4	188.9	173.9	157.7	141.2	124.2	107.4	91.4	75.1	58.6
-75°	177.3	164.8	151.8	138.4	124.6	110.5	97.3	83.8	70.1	56.1	45.8
-77.5°	135.1	124.6	113.8	103.5	93.0	82.3	71.3	60.0	50.3	42.3	34.2
-80°	94.4	86.8	79.0	70.8	62.5	54.0	47.9	41.7	35.4	29.0	22.4
-82.5°	55.7	51.3	47.3	43.1	38.8	34.3	29.8	25.1	20.4	15.5	13.1
-85°	28.5	25.9	23.2	20.4	17.5	14.6	13.5	12.3	11.2	10.0	8.8
-87.5°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.2	5.6	5.0	4.4
-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):

	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°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
85°	7.5	6.3	5.1	3.8	2.5	1.3	0.0
82.5°	11.3	9.5	7.6	5.7	3.8	1.9	0.0
80°	15.8	12.6	10.1	7.6	5.1	2.5	0.0
77.5°	25.9	17.5	12.6	9.5	6.3	3.2	0.0
75°	35.9	25.9	15.8	11.3	7.5	3.8	0.0
72.5°	45.8	34.2	22.4	13.1	8.8	4.4	0.0
70°	56.1	42.3	29.0	15.5	10.0	5.0	0.0
67.5°	70.1	50.3	35.4	20.4	11.2	5.6	0.0
65°	83.8	60.0	41.7	25.1	12.3	6.2	0.0
62.5°	97.3	71.3	47.9	29.8	13.5	6.7	0.0
60°	110.5	82.3	54.0	34.3	14.6	7.3	0.0
57.5°	124.6	93.0	62.5	38.8	17.5	7.8	0.0
55°	138.4	103.5	70.8	43.1	20.4	8.4	0.0
52.5°	151.8	113.8	79.0	47.3	23.2	8.9	0.0
50°	164.8	124.6	86.8	51.3	25.9	9.4	0.0
47.5°	177.3	135.1	94.4	55.7	28.5	9.9	0.0
45°	188.8	145.2	101.7	61.1	31.0	10.3	0.0
42.5°	199.9	154.8	108.7	66.4	33.4	10.8	0.0
40°	210.5	164.0	115.7	71.3	35.7	11.2	0.0
37.5°	220.5	172.7	122.6	76.1	37.9	11.6	0.0
35°	230.0	180.8	129.2	80.6	39.9	12.0	0.0
32.5°	239.3	188.2	135.4	84.8	41.8	12.3	0.0
30°	248.8	195.1	141.2	88.7	43.6	12.6	0.0
27.5°	257.5	201.5	146.6	92.3	45.3	12.9	0.0
25°	265.6	207.5	151.6	95.7	46.8	13.2	0.0
22.5°	273.0	212.9	156.1	98.8	48.2	13.5	0.0
20°	279.7	217.7	160.1	101.5	49.5	13.7	0.0
17.5°	285.6	222.0	163.7	103.9	50.6	13.9	0.0
15°	290.7	225.8	166.8	106.1	51.6	14.1	0.0
12.5°	295.1	229.0	169.5	107.9	52.4	14.3	0.0
10°	298.7	231.6	171.7	109.4	53.1	14.4	0.0
7.5°	301.5	233.7	173.4	110.5	53.6	14.5	0.0
5°	303.5	235.1	174.6	111.3	54.0	14.5	0.0
2.5°	304.7	236.0	175.4	111.8	54.2	14.6	0.0
0°	305.1	236.3	175.6	112.0	54.3	14.6	0.0
-2.5°	304.7	236.0	175.4	111.8	54.2	14.6	0.0
-5°	303.5	235.1	174.6	111.3	54.0	14.5	0.0
-7.5°	301.5	233.7	173.4	110.5	53.6	14.5	0.0
-10°	298.7	231.6	171.7	109.4	53.1	14.4	0.0
-12.5°	295.1	229.0	169.5	107.9	52.4	14.3	0.0
-15°	290.7	225.8	166.8	106.1	51.6	14.1	0.0
-17.5°	285.6	222.0	163.7	103.9	50.6	13.9	0.0
-20°	279.7	217.7	160.1	101.5	49.5	13.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	273.0	212.9	156.1	98.8	48.2	13.5	0.0
-25°	265.6	207.5	151.6	95.7	46.8	13.2	0.0
-27.5°	257.5	201.5	146.6	92.3	45.3	12.9	0.0
-30°	248.8	195.1	141.2	88.7	43.6	12.6	0.0
-32.5°	239.3	188.2	135.4	84.8	41.8	12.3	0.0
-35°	230.0	180.8	129.2	80.6	39.9	12.0	0.0
-37.5°	220.5	172.7	122.6	76.1	37.9	11.6	0.0
-40°	210.5	164.0	115.7	71.3	35.7	11.2	0.0
-42.5°	199.9	154.8	108.7	66.4	33.4	10.8	0.0
-45°	188.8	145.2	101.7	61.1	31.0	10.3	0.0
-47.5°	177.3	135.1	94.4	55.7	28.5	9.9	0.0
-50°	164.8	124.6	86.8	51.3	25.9	9.4	0.0
-52.5°	151.8	113.8	79.0	47.3	23.2	8.9	0.0
-55°	138.4	103.5	70.8	43.1	20.4	8.4	0.0
-57.5°	124.6	93.0	62.5	38.8	17.5	7.8	0.0
-60°	110.5	82.3	54.0	34.3	14.6	7.3	0.0
-62.5°	97.3	71.3	47.9	29.8	13.5	6.7	0.0
-65°	83.8	60.0	41.7	25.1	12.3	6.2	0.0
-67.5°	70.1	50.3	35.4	20.4	11.2	5.6	0.0
-70°	56.1	42.3	29.0	15.5	10.0	5.0	0.0
-72.5°	45.8	34.2	22.4	13.1	8.8	4.4	0.0
-75°	35.9	25.9	15.8	11.3	7.5	3.8	0.0
-77.5°	25.9	17.5	12.6	9.5	6.3	3.2	0.0
-80°	15.8	12.6	10.1	7.6	5.1	2.5	0.0
-82.5°	11.3	9.5	7.6	5.7	3.8	1.9	0.0
-85°	7.5	6.3	5.1	3.8	2.5	1.3	0.0
-87.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)