

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: P645336 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1D-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645336 (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-SA1D-730-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQUARE, LAMBERTIAN
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

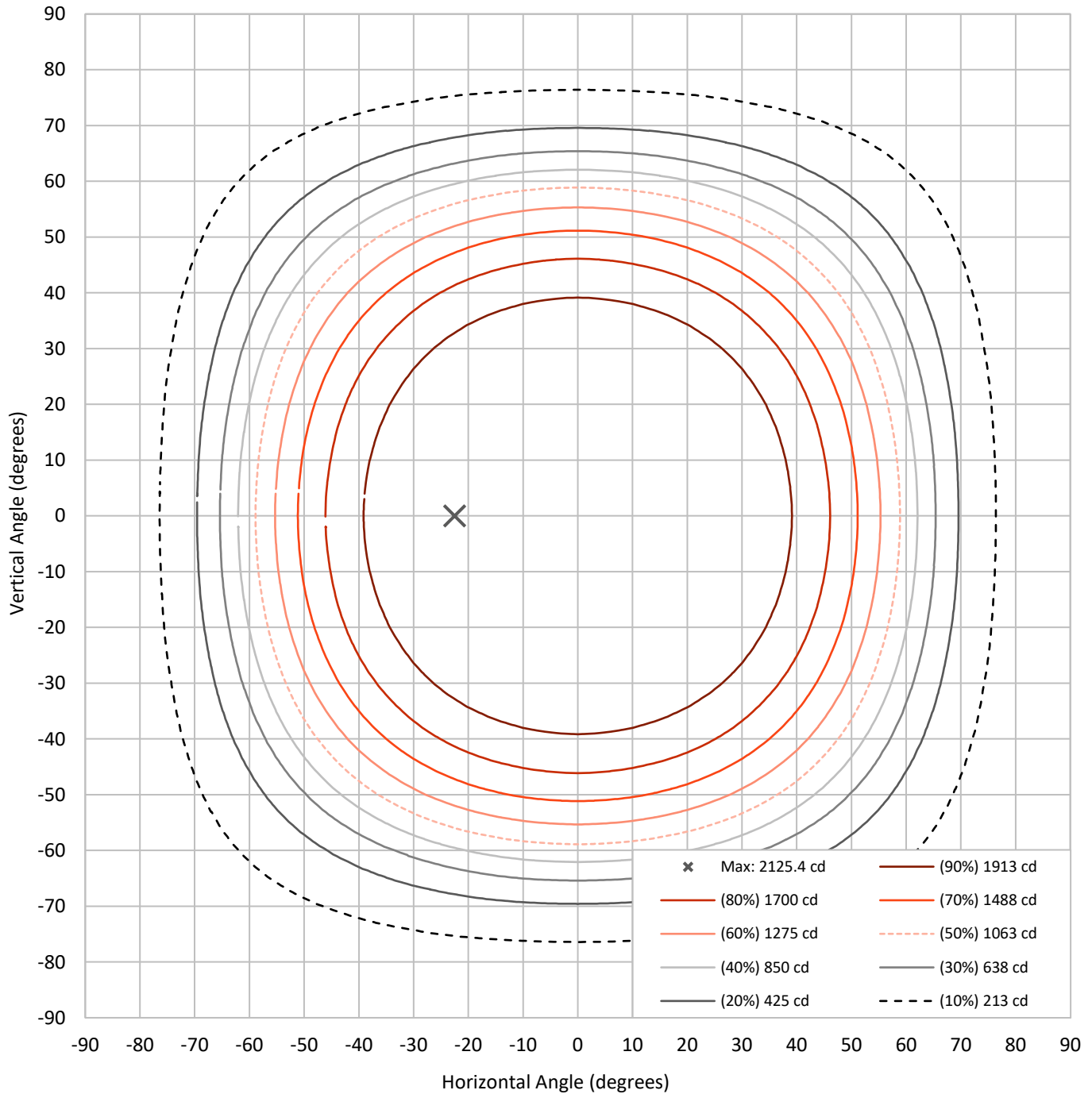
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	6501.6 lumens	Max Intensity:	2125.4 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	113.5 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:	5410.8 lumens	Field Lumens:	6373.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	57.3		
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		



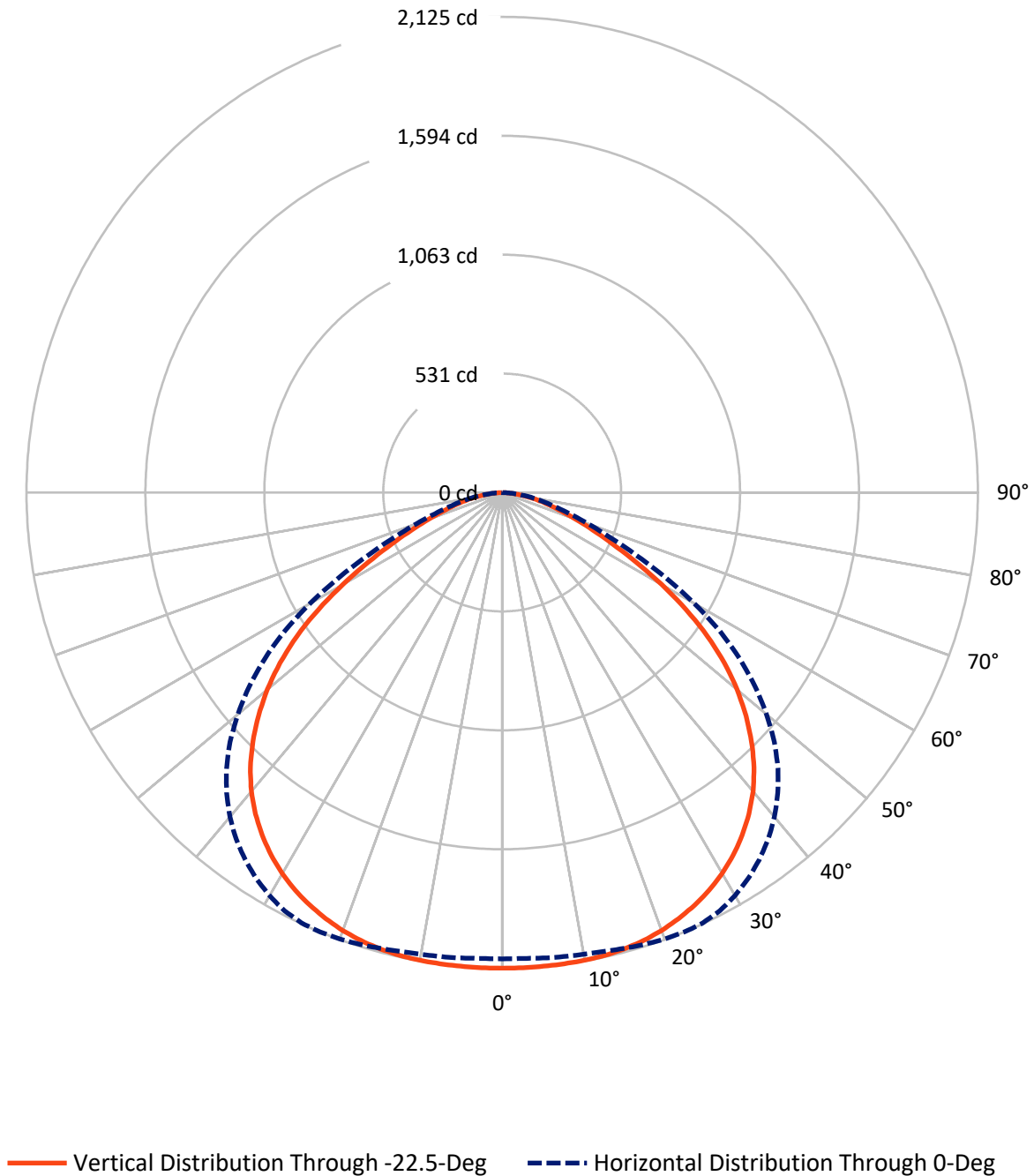
REPORT NUMBER: P645336 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-730-U-LAM-XX

Iso-Candela Plot



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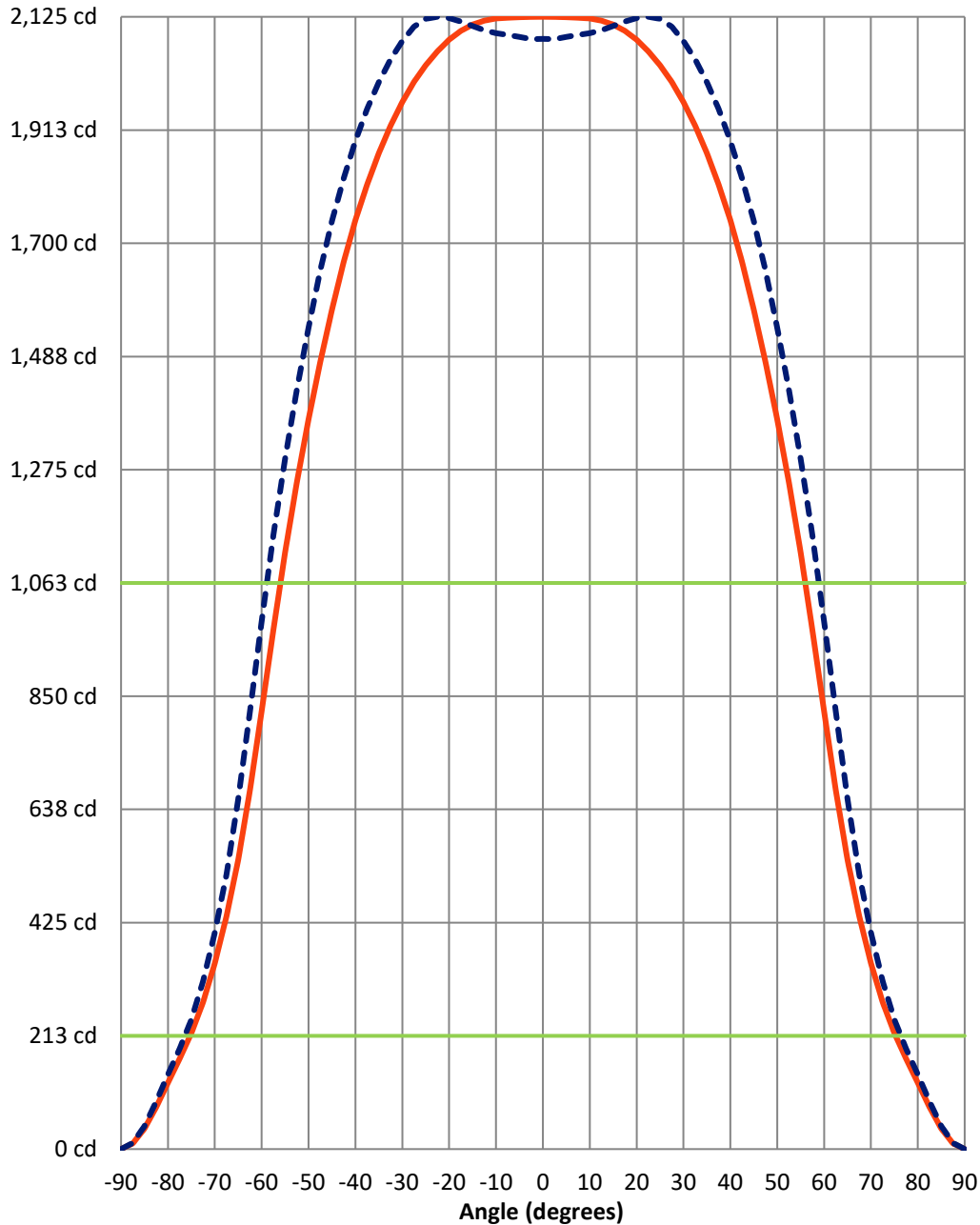
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 5410.8
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 6373.7
 Efficiency: 98.0%

Spill:
 Lumens: 127.9
 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	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
85°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	7.9	8.9	9.8
82.5°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.4	12.3	16.2	20.0
80°	0.0	2.0	4.0	6.0	8.0	10.0	12.6	17.9	23.1	28.2	33.3
77.5°	0.0	2.5	5.0	7.5	10.0	13.9	20.6	27.2	33.7	40.1	47.9
75°	0.0	3.0	6.0	9.0	12.6	20.6	28.6	36.5	44.7	55.9	66.8
72.5°	0.0	3.5	7.0	10.4	17.9	27.2	36.5	46.8	59.9	72.9	85.6
70°	0.0	4.0	7.9	12.3	23.1	33.7	44.7	59.9	74.9	89.7	105.7
67.5°	0.0	4.4	8.9	16.2	28.2	40.1	55.9	72.9	89.7	108.0	126.0
65°	0.0	4.9	9.8	20.0	33.3	47.9	66.8	85.6	105.7	126.0	145.6
62.5°	0.0	5.4	10.7	23.7	38.2	56.8	77.6	99.1	121.5	143.4	164.3
60°	0.0	5.8	11.6	27.3	43.1	65.6	88.1	112.6	136.9	160.0	182.6
57.5°	0.0	6.2	13.9	30.9	49.8	74.2	99.3	125.8	151.4	176.1	202.1
55°	0.0	6.7	16.2	34.3	56.5	82.5	110.3	138.6	165.4	192.3	221.9
52.5°	0.0	7.1	18.5	37.7	63.0	90.7	121.0	150.6	179.1	209.7	241.2
50°	0.0	7.5	20.6	40.9	69.2	99.4	131.4	162.2	192.8	226.5	265.2
47.5°	0.0	7.8	22.7	44.4	75.3	107.7	141.4	173.3	207.2	242.8	289.0
45°	0.0	8.2	24.7	48.7	81.1	115.7	150.6	184.1	221.2	263.4	312.1
42.5°	0.0	8.6	26.6	52.9	86.6	123.4	159.4	195.2	234.6	283.2	339.2
40°	0.0	8.9	28.4	56.9	92.2	130.7	167.8	206.3	248.6	302.2	366.0
37.5°	0.0	9.2	30.2	60.7	97.8	137.7	175.8	216.9	264.7	321.7	391.5
35°	0.0	9.5	31.8	64.2	103.0	144.1	183.4	227.0	279.8	343.3	417.6
32.5°	0.0	9.8	33.4	67.6	108.0	150.0	190.8	236.4	294.1	363.8	445.0
30°	0.0	10.0	34.8	70.7	112.6	155.6	198.3	245.9	307.5	383.0	470.7
27.5°	0.0	10.3	36.1	73.6	116.9	160.7	205.3	256.7	321.2	400.8	494.6
25°	0.0	10.5	37.3	76.3	120.8	165.4	211.8	266.7	335.6	419.3	517.0
22.5°	0.0	10.7	38.5	78.7	124.4	169.7	217.7	275.8	348.9	437.3	543.1
20°	0.0	10.9	39.5	80.9	127.7	173.6	222.9	284.0	360.8	453.5	566.6
17.5°	0.0	11.1	40.4	82.9	130.5	177.0	227.7	291.2	371.4	468.0	587.6
15°	0.0	11.2	41.1	84.6	133.0	180.0	231.7	297.6	380.6	480.5	605.8
12.5°	0.0	11.3	41.8	86.0	135.1	182.6	235.2	303.0	388.5	491.3	621.4
10°	0.0	11.4	42.3	87.2	136.9	184.7	238.1	307.4	395.0	500.1	634.2
7.5°	0.0	11.5	42.8	88.1	138.2	186.3	240.3	310.8	400.0	506.9	644.2
5°	0.0	11.6	43.1	88.8	139.2	187.5	241.9	313.3	403.6	511.9	651.4
2.5°	0.0	11.6	43.2	89.2	139.8	188.2	242.9	314.8	405.8	514.8	655.7
0°	0.0	11.6	43.3	89.3	140.0	188.4	243.2	315.3	406.5	515.8	657.1
-2.5°	0.0	11.6	43.2	89.2	139.8	188.2	242.9	314.8	405.8	514.8	655.7
-5°	0.0	11.6	43.1	88.8	139.2	187.5	241.9	313.3	403.6	511.9	651.4
-7.5°	0.0	11.5	42.8	88.1	138.2	186.3	240.3	310.8	400.0	506.9	644.2
-10°	0.0	11.4	42.3	87.2	136.9	184.7	238.1	307.4	395.0	500.1	634.2
-12.5°	0.0	11.3	41.8	86.0	135.1	182.6	235.2	303.0	388.5	491.3	621.4
-15°	0.0	11.2	41.1	84.6	133.0	180.0	231.7	297.6	380.6	480.5	605.8
-17.5°	0.0	11.1	40.4	82.9	130.5	177.0	227.7	291.2	371.4	468.0	587.6
-20°	0.0	10.9	39.5	80.9	127.7	173.6	222.9	284.0	360.8	453.5	566.6

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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	10.7	38.5	78.7	124.4	169.7	217.7	275.8	348.9	437.3	543.1
-25°	0.0	10.5	37.3	76.3	120.8	165.4	211.8	266.7	335.6	419.3	517.0
-27.5°	0.0	10.3	36.1	73.6	116.9	160.7	205.3	256.7	321.2	400.8	494.6
-30°	0.0	10.0	34.8	70.7	112.6	155.6	198.3	245.9	307.5	383.0	470.7
-32.5°	0.0	9.8	33.4	67.6	108.0	150.0	190.8	236.4	294.1	363.8	445.0
-35°	0.0	9.5	31.8	64.2	103.0	144.1	183.4	227.0	279.8	343.3	417.6
-37.5°	0.0	9.2	30.2	60.7	97.8	137.7	175.8	216.9	264.7	321.7	391.5
-40°	0.0	8.9	28.4	56.9	92.2	130.7	167.8	206.3	248.6	302.2	366.0
-42.5°	0.0	8.6	26.6	52.9	86.6	123.4	159.4	195.2	234.6	283.2	339.2
-45°	0.0	8.2	24.7	48.7	81.1	115.7	150.6	184.1	221.2	263.4	312.1
-47.5°	0.0	7.8	22.7	44.4	75.3	107.7	141.4	173.3	207.2	242.8	289.0
-50°	0.0	7.5	20.6	40.9	69.2	99.4	131.4	162.2	192.8	226.5	265.2
-52.5°	0.0	7.1	18.5	37.7	63.0	90.7	121.0	150.6	179.1	209.7	241.2
-55°	0.0	6.7	16.2	34.3	56.5	82.5	110.3	138.6	165.4	192.3	221.9
-57.5°	0.0	6.2	13.9	30.9	49.8	74.2	99.3	125.8	151.4	176.1	202.1
-60°	0.0	5.8	11.6	27.3	43.1	65.6	88.1	112.6	136.9	160.0	182.6
-62.5°	0.0	5.4	10.7	23.7	38.2	56.8	77.6	99.1	121.5	143.4	164.3
-65°	0.0	4.9	9.8	20.0	33.3	47.9	66.8	85.6	105.7	126.0	145.6
-67.5°	0.0	4.4	8.9	16.2	28.2	40.1	55.9	72.9	89.7	108.0	126.0
-70°	0.0	4.0	7.9	12.3	23.1	33.7	44.7	59.9	74.9	89.7	105.7
-72.5°	0.0	3.5	7.0	10.4	17.9	27.2	36.5	46.8	59.9	72.9	85.6
-75°	0.0	3.0	6.0	9.0	12.6	20.6	28.6	36.5	44.7	55.9	66.8
-77.5°	0.0	2.5	5.0	7.5	10.0	13.9	20.6	27.2	33.7	40.1	47.9
-80°	0.0	2.0	4.0	6.0	8.0	10.0	12.6	17.9	23.1	28.2	33.3
-82.5°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.4	12.3	16.2	20.0
-85°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	7.9	8.9	9.8
-87.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
-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: P645336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-730-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°	5.4	5.8	6.2	6.7	7.1	7.5	7.8	8.2	8.6	8.9	9.2
85°	10.7	11.6	13.9	16.2	18.5	20.6	22.7	24.7	26.6	28.4	30.2
82.5°	23.7	27.3	30.9	34.3	37.7	40.9	44.4	48.7	52.9	56.9	60.7
80°	38.2	43.1	49.8	56.5	63.0	69.2	75.3	81.1	86.6	92.2	97.8
77.5°	56.8	65.6	74.2	82.5	90.7	99.4	107.7	115.7	123.4	130.7	137.7
75°	77.6	88.1	99.3	110.3	121.0	131.4	141.4	150.6	159.4	167.8	175.8
72.5°	99.1	112.6	125.8	138.6	150.6	162.2	173.3	184.1	195.2	206.3	216.9
70°	121.5	136.9	151.4	165.4	179.1	192.8	207.2	221.2	234.6	248.6	264.7
67.5°	143.4	160.0	176.1	192.3	209.7	226.5	242.8	263.4	283.2	302.2	321.7
65°	164.3	182.6	202.1	221.9	241.2	265.2	289.0	312.1	339.2	366.0	391.5
62.5°	184.7	207.0	229.3	253.5	281.4	308.5	340.0	372.1	403.0	437.8	471.6
60°	207.0	231.7	260.0	291.2	323.4	360.8	397.1	437.3	477.8	517.0	565.0
57.5°	229.3	260.0	294.5	331.7	373.4	415.4	462.6	508.3	563.1	617.8	672.3
55°	253.5	291.2	331.7	377.6	425.6	478.0	532.7	596.5	658.2	727.0	792.9
52.5°	281.4	323.4	373.4	425.6	483.1	546.1	616.7	689.7	766.7	841.4	914.7
50°	308.5	360.8	415.4	478.0	546.1	623.4	705.6	790.7	874.7	956.7	1033.4
47.5°	340.0	397.1	462.6	532.7	616.7	705.6	798.7	891.5	982.1	1066.1	1146.6
45°	372.1	437.3	508.3	596.5	689.7	790.7	891.5	990.6	1082.6	1169.5	1245.5
42.5°	403.0	477.8	563.1	658.2	766.7	874.7	982.1	1082.6	1176.9	1260.6	1336.9
40°	437.8	517.0	617.8	727.0	841.4	956.7	1066.1	1169.5	1260.6	1343.9	1421.2
37.5°	471.6	565.0	672.3	792.9	914.7	1033.4	1146.6	1245.5	1336.9	1421.2	1495.3
35°	503.8	610.7	730.1	856.8	984.6	1105.3	1215.5	1316.2	1407.0	1488.8	1564.6
32.5°	539.5	653.8	784.9	918.2	1048.3	1171.2	1280.5	1379.0	1469.3	1552.3	1627.5
30°	576.3	700.4	836.9	976.0	1108.2	1228.4	1337.5	1437.2	1526.8	1608.8	1682.5
27.5°	610.7	744.3	886.5	1028.3	1162.8	1282.0	1389.7	1487.8	1577.9	1660.4	1731.9
25°	642.4	784.9	932.4	1076.1	1208.9	1328.3	1436.9	1535.0	1624.5	1703.8	1773.3
22.5°	673.7	822.1	974.5	1120.0	1251.2	1369.7	1477.3	1575.6	1665.2	1743.7	1810.4
20°	704.1	856.8	1011.6	1159.0	1289.6	1407.3	1514.1	1612.2	1699.4	1775.4	1841.9
17.5°	731.2	887.7	1044.1	1190.4	1321.1	1439.4	1546.6	1645.1	1730.2	1804.0	1869.0
15°	754.9	914.7	1072.4	1218.0	1348.3	1466.1	1573.3	1670.7	1755.2	1828.5	1893.0
12.5°	775.0	937.7	1096.7	1241.5	1371.5	1488.9	1596.2	1692.2	1775.3	1847.6	1910.7
10°	791.6	956.7	1116.6	1260.9	1390.6	1507.8	1615.0	1710.0	1792.0	1863.5	1925.5
7.5°	804.6	971.5	1132.2	1276.1	1405.6	1522.6	1629.9	1723.9	1805.1	1876.1	1937.2
5°	813.8	982.1	1143.4	1287.0	1416.4	1533.2	1640.5	1734.0	1814.5	1885.1	1945.6
2.5°	819.4	988.5	1150.2	1293.5	1422.8	1539.6	1647.0	1740.1	1820.2	1890.6	1950.7
0°	821.3	990.6	1152.4	1295.7	1425.0	1541.7	1649.1	1742.1	1822.1	1892.4	1952.4
-2.5°	819.4	988.5	1150.2	1293.5	1422.8	1539.6	1647.0	1740.1	1820.2	1890.6	1950.7
-5°	813.8	982.1	1143.4	1287.0	1416.4	1533.2	1640.5	1734.0	1814.5	1885.1	1945.6
-7.5°	804.6	971.5	1132.2	1276.1	1405.6	1522.6	1629.9	1723.9	1805.1	1876.1	1937.2
-10°	791.6	956.7	1116.6	1260.9	1390.6	1507.8	1615.0	1710.0	1792.0	1863.5	1925.5
-12.5°	775.0	937.7	1096.7	1241.5	1371.5	1488.9	1596.2	1692.2	1775.3	1847.6	1910.7
-15°	754.9	914.7	1072.4	1218.0	1348.3	1466.1	1573.3	1670.7	1755.2	1828.5	1893.0
-17.5°	731.2	887.7	1044.1	1190.4	1321.1	1439.4	1546.6	1645.1	1730.2	1804.0	1869.0
-20°	704.1	856.8	1011.6	1159.0	1289.6	1407.3	1514.1	1612.2	1699.4	1775.4	1841.9



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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°	673.7	822.1	974.5	1120.0	1251.2	1369.7	1477.3	1575.6	1665.2	1743.7	1810.4
-25°	642.4	784.9	932.4	1076.1	1208.9	1328.3	1436.9	1535.0	1624.5	1703.8	1773.3
-27.5°	610.7	744.3	886.5	1028.3	1162.8	1282.0	1389.7	1487.8	1577.9	1660.4	1731.9
-30°	576.3	700.4	836.9	976.0	1108.2	1228.4	1337.5	1437.2	1526.8	1608.8	1682.5
-32.5°	539.5	653.8	784.9	918.2	1048.3	1171.2	1280.5	1379.0	1469.3	1552.3	1627.5
-35°	503.8	610.7	730.1	856.8	984.6	1105.3	1215.5	1316.2	1407.0	1488.8	1564.6
-37.5°	471.6	565.0	672.3	792.9	914.7	1033.4	1146.6	1245.5	1336.9	1421.2	1495.3
-40°	437.8	517.0	617.8	727.0	841.4	956.7	1066.1	1169.5	1260.6	1343.9	1421.2
-42.5°	403.0	477.8	563.1	658.2	766.7	874.7	982.1	1082.6	1176.9	1260.6	1336.9
-45°	372.1	437.3	508.3	596.5	689.7	790.7	891.5	990.6	1082.6	1169.5	1245.5
-47.5°	340.0	397.1	462.6	532.7	616.7	705.6	798.7	891.5	982.1	1066.1	1146.6
-50°	308.5	360.8	415.4	478.0	546.1	623.4	705.6	790.7	874.7	956.7	1033.4
-52.5°	281.4	323.4	373.4	425.6	483.1	546.1	616.7	689.7	766.7	841.4	914.7
-55°	253.5	291.2	331.7	377.6	425.6	478.0	532.7	596.5	658.2	727.0	792.9
-57.5°	229.3	260.0	294.5	331.7	373.4	415.4	462.6	508.3	563.1	617.8	672.3
-60°	207.0	231.7	260.0	291.2	323.4	360.8	397.1	437.3	477.8	517.0	565.0
-62.5°	184.7	207.0	229.3	253.5	281.4	308.5	340.0	372.1	403.0	437.8	471.6
-65°	164.3	182.6	202.1	221.9	241.2	265.2	289.0	312.1	339.2	366.0	391.5
-67.5°	143.4	160.0	176.1	192.3	209.7	226.5	242.8	263.4	283.2	302.2	321.7
-70°	121.5	136.9	151.4	165.4	179.1	192.8	207.2	221.2	234.6	248.6	264.7
-72.5°	99.1	112.6	125.8	138.6	150.6	162.2	173.3	184.1	195.2	206.3	216.9
-75°	77.6	88.1	99.3	110.3	121.0	131.4	141.4	150.6	159.4	167.8	175.8
-77.5°	56.8	65.6	74.2	82.5	90.7	99.4	107.7	115.7	123.4	130.7	137.7
-80°	38.2	43.1	49.8	56.5	63.0	69.2	75.3	81.1	86.6	92.2	97.8
-82.5°	23.7	27.3	30.9	34.3	37.7	40.9	44.4	48.7	52.9	56.9	60.7
-85°	10.7	11.6	13.9	16.2	18.5	20.6	22.7	24.7	26.6	28.4	30.2
-87.5°	5.4	5.8	6.2	6.7	7.1	7.5	7.8	8.2	8.6	8.9	9.2
-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: P645336 (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°
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	9.8	10.0	10.3	10.5	10.7	10.9	11.1	11.2	11.3	11.4
85°	31.8	33.4	34.8	36.1	37.3	38.5	39.5	40.4	41.1	41.8	42.3
82.5°	64.2	67.6	70.7	73.6	76.3	78.7	80.9	82.9	84.6	86.0	87.2
80°	103.0	108.0	112.6	116.9	120.8	124.4	127.7	130.5	133.0	135.1	136.9
77.5°	144.1	150.0	155.6	160.7	165.4	169.7	173.6	177.0	180.0	182.6	184.7
75°	183.4	190.8	198.3	205.3	211.8	217.7	222.9	227.7	231.7	235.2	238.1
72.5°	227.0	236.4	245.9	256.7	266.7	275.8	284.0	291.2	297.6	303.0	307.4
70°	279.8	294.1	307.5	321.2	335.6	348.9	360.8	371.4	380.6	388.5	395.0
67.5°	343.3	363.8	383.0	400.8	419.3	437.3	453.5	468.0	480.5	491.3	500.1
65°	417.6	445.0	470.7	494.6	517.0	543.1	566.6	587.6	605.8	621.4	634.2
62.5°	503.8	539.5	576.3	610.7	642.4	673.7	704.1	731.2	754.9	775.0	791.6
60°	610.7	653.8	700.4	744.3	784.9	822.1	856.8	887.7	914.7	937.7	956.7
57.5°	730.1	784.9	836.9	886.5	932.4	974.5	1011.6	1044.1	1072.4	1096.7	1116.6
55°	856.8	918.2	976.0	1028.3	1076.1	1120.0	1159.0	1190.4	1218.0	1241.5	1260.9
52.5°	984.6	1048.3	1108.2	1162.8	1208.9	1251.2	1289.6	1321.1	1348.3	1371.5	1390.6
50°	1105.3	1171.2	1228.4	1282.0	1328.3	1369.7	1407.3	1439.4	1466.1	1488.9	1507.8
47.5°	1215.5	1280.5	1337.5	1389.7	1436.9	1477.3	1514.1	1546.6	1573.3	1596.2	1615.0
45°	1316.2	1379.0	1437.2	1487.8	1535.0	1575.6	1612.2	1645.1	1670.7	1692.2	1710.0
42.5°	1407.0	1469.3	1526.8	1577.9	1624.5	1665.2	1699.4	1730.2	1755.2	1775.3	1792.0
40°	1488.8	1552.3	1608.8	1660.4	1703.8	1743.7	1775.4	1804.0	1828.5	1847.6	1863.5
37.5°	1564.6	1627.5	1682.5	1731.9	1773.3	1810.4	1841.9	1869.0	1893.0	1910.7	1925.5
35°	1633.9	1693.7	1748.1	1793.4	1834.4	1869.4	1900.4	1925.4	1947.6	1964.5	1978.0
32.5°	1693.7	1753.0	1803.5	1848.1	1888.2	1920.9	1950.5	1973.4	1993.6	2009.9	2022.4
30°	1748.1	1803.5	1852.8	1897.0	1933.4	1965.3	1991.9	2014.3	2033.0	2048.5	2059.5
27.5°	1793.4	1848.1	1897.0	1937.7	1972.6	2003.2	2027.6	2049.2	2065.5	2079.7	2089.2
25°	1834.4	1888.2	1933.4	1972.6	2006.4	2034.4	2057.7	2077.2	2091.6	2103.9	2110.9
22.5°	1869.4	1920.9	1965.3	2003.2	2034.4	2060.5	2082.5	2099.0	2110.8	2118.2	2122.3
20°	1900.4	1950.5	1991.9	2027.6	2057.7	2082.5	2101.5	2113.7	2121.9	2124.0	2125.2
17.5°	1925.4	1973.4	2014.3	2049.2	2077.2	2099.0	2113.7	2122.3	2124.8	2124.3	2123.1
15°	1947.6	1993.6	2033.0	2065.5	2091.6	2110.8	2121.9	2124.8	2124.0	2121.5	2117.7
12.5°	1964.5	2009.9	2048.5	2079.7	2103.9	2118.2	2124.0	2124.3	2121.5	2116.8	2111.4
10°	1978.0	2022.4	2059.5	2089.2	2110.9	2122.3	2125.2	2123.1	2117.7	2111.4	2105.3
7.5°	1988.7	2032.4	2068.3	2096.8	2115.5	2123.6	2124.3	2120.4	2114.0	2106.7	2100.1
5°	1996.4	2039.6	2074.6	2102.3	2118.9	2124.6	2123.6	2118.3	2110.8	2103.2	2097.3
2.5°	2001.0	2043.9	2078.5	2105.7	2120.9	2125.2	2123.1	2116.9	2108.9	2101.0	2095.4
0°	2002.6	2045.4	2079.8	2106.8	2121.6	2125.4	2123.0	2116.5	2108.2	2100.2	2094.7
-2.5°	2001.0	2043.9	2078.5	2105.7	2120.9	2125.2	2123.1	2116.9	2108.9	2101.0	2095.4
-5°	1996.4	2039.6	2074.6	2102.3	2118.9	2124.6	2123.6	2118.3	2110.8	2103.2	2097.3
-7.5°	1988.7	2032.4	2068.3	2096.8	2115.5	2123.6	2124.3	2120.4	2114.0	2106.7	2100.1
-10°	1978.0	2022.4	2059.5	2089.2	2110.9	2122.3	2125.2	2123.1	2117.7	2111.4	2105.3
-12.5°	1964.5	2009.9	2048.5	2079.7	2103.9	2118.2	2124.0	2124.3	2121.5	2116.8	2111.4
-15°	1947.6	1993.6	2033.0	2065.5	2091.6	2110.8	2121.9	2124.8	2124.0	2121.5	2117.7
-17.5°	1925.4	1973.4	2014.3	2049.2	2077.2	2099.0	2113.7	2122.3	2124.8	2124.3	2123.1
-20°	1900.4	1950.5	1991.9	2027.6	2057.7	2082.5	2101.5	2113.7	2121.9	2124.0	2125.2



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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°	1869.4	1920.9	1965.3	2003.2	2034.4	2060.5	2082.5	2099.0	2110.8	2118.2	2122.3
-25°	1834.4	1888.2	1933.4	1972.6	2006.4	2034.4	2057.7	2077.2	2091.6	2103.9	2110.9
-27.5°	1793.4	1848.1	1897.0	1937.7	1972.6	2003.2	2027.6	2049.2	2065.5	2079.7	2089.2
-30°	1748.1	1803.5	1852.8	1897.0	1933.4	1965.3	1991.9	2014.3	2033.0	2048.5	2059.5
-32.5°	1693.7	1753.0	1803.5	1848.1	1888.2	1920.9	1950.5	1973.4	1993.6	2009.9	2022.4
-35°	1633.9	1693.7	1748.1	1793.4	1834.4	1869.4	1900.4	1925.4	1947.6	1964.5	1978.0
-37.5°	1564.6	1627.5	1682.5	1731.9	1773.3	1810.4	1841.9	1869.0	1893.0	1910.7	1925.5
-40°	1488.8	1552.3	1608.8	1660.4	1703.8	1743.7	1775.4	1804.0	1828.5	1847.6	1863.5
-42.5°	1407.0	1469.3	1526.8	1577.9	1624.5	1665.2	1699.4	1730.2	1755.2	1775.3	1792.0
-45°	1316.2	1379.0	1437.2	1487.8	1535.0	1575.6	1612.2	1645.1	1670.7	1692.2	1710.0
-47.5°	1215.5	1280.5	1337.5	1389.7	1436.9	1477.3	1514.1	1546.6	1573.3	1596.2	1615.0
-50°	1105.3	1171.2	1228.4	1282.0	1328.3	1369.7	1407.3	1439.4	1466.1	1488.9	1507.8
-52.5°	984.6	1048.3	1108.2	1162.8	1208.9	1251.2	1289.6	1321.1	1348.3	1371.5	1390.6
-55°	856.8	918.2	976.0	1028.3	1076.1	1120.0	1159.0	1190.4	1218.0	1241.5	1260.9
-57.5°	730.1	784.9	836.9	886.5	932.4	974.5	1011.6	1044.1	1072.4	1096.7	1116.6
-60°	610.7	653.8	700.4	744.3	784.9	822.1	856.8	887.7	914.7	937.7	956.7
-62.5°	503.8	539.5	576.3	610.7	642.4	673.7	704.1	731.2	754.9	775.0	791.6
-65°	417.6	445.0	470.7	494.6	517.0	543.1	566.6	587.6	605.8	621.4	634.2
-67.5°	343.3	363.8	383.0	400.8	419.3	437.3	453.5	468.0	480.5	491.3	500.1
-70°	279.8	294.1	307.5	321.2	335.6	348.9	360.8	371.4	380.6	388.5	395.0
-72.5°	227.0	236.4	245.9	256.7	266.7	275.8	284.0	291.2	297.6	303.0	307.4
-75°	183.4	190.8	198.3	205.3	211.8	217.7	222.9	227.7	231.7	235.2	238.1
-77.5°	144.1	150.0	155.6	160.7	165.4	169.7	173.6	177.0	180.0	182.6	184.7
-80°	103.0	108.0	112.6	116.9	120.8	124.4	127.7	130.5	133.0	135.1	136.9
-82.5°	64.2	67.6	70.7	73.6	76.3	78.7	80.9	82.9	84.6	86.0	87.2
-85°	31.8	33.4	34.8	36.1	37.3	38.5	39.5	40.4	41.1	41.8	42.3
-87.5°	9.5	9.8	10.0	10.3	10.5	10.7	10.9	11.1	11.2	11.3	11.4
-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):

	-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°	11.5	11.6	11.6	11.6	11.6	11.6	11.5	11.4	11.3	11.2	11.1
85°	42.8	43.1	43.2	43.3	43.2	43.1	42.8	42.3	41.8	41.1	40.4
82.5°	88.1	88.8	89.2	89.3	89.2	88.8	88.1	87.2	86.0	84.6	82.9
80°	138.2	139.2	139.8	140.0	139.8	139.2	138.2	136.9	135.1	133.0	130.5
77.5°	186.3	187.5	188.2	188.4	188.2	187.5	186.3	184.7	182.6	180.0	177.0
75°	240.3	241.9	242.9	243.2	242.9	241.9	240.3	238.1	235.2	231.7	227.7
72.5°	310.8	313.3	314.8	315.3	314.8	313.3	310.8	307.4	303.0	297.6	291.2
70°	400.0	403.6	405.8	406.5	405.8	403.6	400.0	395.0	388.5	380.6	371.4
67.5°	506.9	511.9	514.8	515.8	514.8	511.9	506.9	500.1	491.3	480.5	468.0
65°	644.2	651.4	655.7	657.1	655.7	651.4	644.2	634.2	621.4	605.8	587.6
62.5°	804.6	813.8	819.4	821.3	819.4	813.8	804.6	791.6	775.0	754.9	731.2
60°	971.5	982.1	988.5	990.6	988.5	982.1	971.5	956.7	937.7	914.7	887.7
57.5°	1132.2	1143.4	1150.2	1152.4	1150.2	1143.4	1132.2	1116.6	1096.7	1072.4	1044.1
55°	1276.1	1287.0	1293.5	1295.7	1293.5	1287.0	1276.1	1260.9	1241.5	1218.0	1190.4
52.5°	1405.6	1416.4	1422.8	1425.0	1422.8	1416.4	1405.6	1390.6	1371.5	1348.3	1321.1
50°	1522.6	1533.2	1539.6	1541.7	1539.6	1533.2	1522.6	1507.8	1488.9	1466.1	1439.4
47.5°	1629.9	1640.5	1647.0	1649.1	1647.0	1640.5	1629.9	1615.0	1596.2	1573.3	1546.6
45°	1723.9	1734.0	1740.1	1742.1	1740.1	1734.0	1723.9	1710.0	1692.2	1670.7	1645.1
42.5°	1805.1	1814.5	1820.2	1822.1	1820.2	1814.5	1805.1	1792.0	1775.3	1755.2	1730.2
40°	1876.1	1885.1	1890.6	1892.4	1890.6	1885.1	1876.1	1863.5	1847.6	1828.5	1804.0
37.5°	1937.2	1945.6	1950.7	1952.4	1950.7	1945.6	1937.2	1925.5	1910.7	1893.0	1869.0
35°	1988.7	1996.4	2001.0	2002.6	2001.0	1996.4	1988.7	1978.0	1964.5	1947.6	1925.4
32.5°	2032.4	2039.6	2043.9	2045.4	2043.9	2039.6	2032.4	2022.4	2009.9	1993.6	1973.4
30°	2068.3	2074.6	2078.5	2079.8	2078.5	2074.6	2068.3	2059.5	2048.5	2033.0	2014.3
27.5°	2096.8	2102.3	2105.7	2106.8	2105.7	2102.3	2096.8	2089.2	2079.7	2065.5	2049.2
25°	2115.5	2118.9	2120.9	2121.6	2120.9	2118.9	2115.5	2110.9	2103.9	2091.6	2077.2
22.5°	2123.6	2124.6	2125.2	2125.4	2125.2	2124.6	2123.6	2122.3	2118.2	2110.8	2099.0
20°	2124.3	2123.6	2123.1	2123.0	2123.1	2123.6	2124.3	2125.2	2124.0	2121.9	2113.7
17.5°	2120.4	2118.3	2116.9	2116.5	2116.9	2118.3	2120.4	2123.1	2124.3	2124.8	2122.3
15°	2114.0	2110.8	2108.9	2108.2	2108.9	2110.8	2114.0	2117.7	2121.5	2124.0	2124.8
12.5°	2106.7	2103.2	2101.0	2100.2	2101.0	2103.2	2106.7	2111.4	2116.8	2121.5	2124.3
10°	2100.1	2097.3	2095.4	2094.7	2095.4	2097.3	2100.1	2105.3	2111.4	2117.7	2123.1
7.5°	2096.0	2093.4	2091.9	2091.4	2091.9	2093.4	2096.0	2100.1	2106.7	2114.0	2120.4
5°	2093.4	2090.8	2088.6	2087.7	2088.6	2090.8	2093.4	2097.3	2103.2	2110.8	2118.3
2.5°	2091.9	2088.6	2085.2	2083.5	2085.2	2088.6	2091.9	2095.4	2101.0	2108.9	2116.9
0°	2091.4	2087.7	2083.5	2084.0	2083.5	2087.7	2091.4	2094.7	2100.2	2108.2	2116.5
-2.5°	2091.9	2088.6	2085.2	2083.5	2085.2	2088.6	2091.9	2095.4	2101.0	2108.9	2116.9
-5°	2093.4	2090.8	2088.6	2087.7	2088.6	2090.8	2093.4	2097.3	2103.2	2110.8	2118.3
-7.5°	2096.0	2093.4	2091.9	2091.4	2091.9	2093.4	2096.0	2100.1	2106.7	2114.0	2120.4
-10°	2100.1	2097.3	2095.4	2094.7	2095.4	2097.3	2100.1	2105.3	2111.4	2117.7	2123.1
-12.5°	2106.7	2103.2	2101.0	2100.2	2101.0	2103.2	2106.7	2111.4	2116.8	2121.5	2124.3
-15°	2114.0	2110.8	2108.9	2108.2	2108.9	2110.8	2114.0	2117.7	2121.5	2124.0	2124.8
-17.5°	2120.4	2118.3	2116.9	2116.5	2116.9	2118.3	2120.4	2123.1	2124.3	2124.8	2122.3
-20°	2124.3	2123.6	2123.1	2123.0	2123.1	2123.6	2124.3	2125.2	2124.0	2121.9	2113.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645336 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-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°	2123.6	2124.6	2125.2	2125.4	2125.2	2124.6	2123.6	2122.3	2118.2	2110.8	2099.0
-25°	2115.5	2118.9	2120.9	2121.6	2120.9	2118.9	2115.5	2110.9	2103.9	2091.6	2077.2
-27.5°	2096.8	2102.3	2105.7	2106.8	2105.7	2102.3	2096.8	2089.2	2079.7	2065.5	2049.2
-30°	2068.3	2074.6	2078.5	2079.8	2078.5	2074.6	2068.3	2059.5	2048.5	2033.0	2014.3
-32.5°	2032.4	2039.6	2043.9	2045.4	2043.9	2039.6	2032.4	2022.4	2009.9	1993.6	1973.4
-35°	1988.7	1996.4	2001.0	2002.6	2001.0	1996.4	1988.7	1978.0	1964.5	1947.6	1925.4
-37.5°	1937.2	1945.6	1950.7	1952.4	1950.7	1945.6	1937.2	1925.5	1910.7	1893.0	1869.0
-40°	1876.1	1885.1	1890.6	1892.4	1890.6	1885.1	1876.1	1863.5	1847.6	1828.5	1804.0
-42.5°	1805.1	1814.5	1820.2	1822.1	1820.2	1814.5	1805.1	1792.0	1775.3	1755.2	1730.2
-45°	1723.9	1734.0	1740.1	1742.1	1740.1	1734.0	1723.9	1710.0	1692.2	1670.7	1645.1
-47.5°	1629.9	1640.5	1647.0	1649.1	1647.0	1640.5	1629.9	1615.0	1596.2	1573.3	1546.6
-50°	1522.6	1533.2	1539.6	1541.7	1539.6	1533.2	1522.6	1507.8	1488.9	1466.1	1439.4
-52.5°	1405.6	1416.4	1422.8	1425.0	1422.8	1416.4	1405.6	1390.6	1371.5	1348.3	1321.1
-55°	1276.1	1287.0	1293.5	1295.7	1293.5	1287.0	1276.1	1260.9	1241.5	1218.0	1190.4
-57.5°	1132.2	1143.4	1150.2	1152.4	1150.2	1143.4	1132.2	1116.6	1096.7	1072.4	1044.1
-60°	971.5	982.1	988.5	990.6	988.5	982.1	971.5	956.7	937.7	914.7	887.7
-62.5°	804.6	813.8	819.4	821.3	819.4	813.8	804.6	791.6	775.0	754.9	731.2
-65°	644.2	651.4	655.7	657.1	655.7	651.4	644.2	634.2	621.4	605.8	587.6
-67.5°	506.9	511.9	514.8	515.8	514.8	511.9	506.9	500.1	491.3	480.5	468.0
-70°	400.0	403.6	405.8	406.5	405.8	403.6	400.0	395.0	388.5	380.6	371.4
-72.5°	310.8	313.3	314.8	315.3	314.8	313.3	310.8	307.4	303.0	297.6	291.2
-75°	240.3	241.9	242.9	243.2	242.9	241.9	240.3	238.1	235.2	231.7	227.7
-77.5°	186.3	187.5	188.2	188.4	188.2	187.5	186.3	184.7	182.6	180.0	177.0
-80°	138.2	139.2	139.8	140.0	139.8	139.2	138.2	136.9	135.1	133.0	130.5
-82.5°	88.1	88.8	89.2	89.3	89.2	88.8	88.1	87.2	86.0	84.6	82.9
-85°	42.8	43.1	43.2	43.3	43.2	43.1	42.8	42.3	41.8	41.1	40.4
-87.5°	11.5	11.6	11.6	11.6	11.6	11.6	11.5	11.4	11.3	11.2	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: P645336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	10.9	10.7	10.5	10.3	10.0	9.8	9.5	9.2	8.9	8.6	8.2
85°	39.5	38.5	37.3	36.1	34.8	33.4	31.8	30.2	28.4	26.6	24.7
82.5°	80.9	78.7	76.3	73.6	70.7	67.6	64.2	60.7	56.9	52.9	48.7
80°	127.7	124.4	120.8	116.9	112.6	108.0	103.0	97.8	92.2	86.6	81.1
77.5°	173.6	169.7	165.4	160.7	155.6	150.0	144.1	137.7	130.7	123.4	115.7
75°	222.9	217.7	211.8	205.3	198.3	190.8	183.4	175.8	167.8	159.4	150.6
72.5°	284.0	275.8	266.7	256.7	245.9	236.4	227.0	216.9	206.3	195.2	184.1
70°	360.8	348.9	335.6	321.2	307.5	294.1	279.8	264.7	248.6	234.6	221.2
67.5°	453.5	437.3	419.3	400.8	383.0	363.8	343.3	321.7	302.2	283.2	263.4
65°	566.6	543.1	517.0	494.6	470.7	445.0	417.6	391.5	366.0	339.2	312.1
62.5°	704.1	673.7	642.4	610.7	576.3	539.5	503.8	471.6	437.8	403.0	372.1
60°	856.8	822.1	784.9	744.3	700.4	653.8	610.7	565.0	517.0	477.8	437.3
57.5°	1011.6	974.5	932.4	886.5	836.9	784.9	730.1	672.3	617.8	563.1	508.3
55°	1159.0	1120.0	1076.1	1028.3	976.0	918.2	856.8	792.9	727.0	658.2	596.5
52.5°	1289.6	1251.2	1208.9	1162.8	1108.2	1048.3	984.6	914.7	841.4	766.7	689.7
50°	1407.3	1369.7	1328.3	1282.0	1228.4	1171.2	1105.3	1033.4	956.7	874.7	790.7
47.5°	1514.1	1477.3	1436.9	1389.7	1337.5	1280.5	1215.5	1146.6	1066.1	982.1	891.5
45°	1612.2	1575.6	1535.0	1487.8	1437.2	1379.0	1316.2	1245.5	1169.5	1082.6	990.6
42.5°	1699.4	1665.2	1624.5	1577.9	1526.8	1469.3	1407.0	1336.9	1260.6	1176.9	1082.6
40°	1775.4	1743.7	1703.8	1660.4	1608.8	1552.3	1488.8	1421.2	1343.9	1260.6	1169.5
37.5°	1841.9	1810.4	1773.3	1731.9	1682.5	1627.5	1564.6	1495.3	1421.2	1336.9	1245.5
35°	1900.4	1869.4	1834.4	1793.4	1748.1	1693.7	1633.9	1564.6	1488.8	1407.0	1316.2
32.5°	1950.5	1920.9	1888.2	1848.1	1803.5	1753.0	1693.7	1627.5	1552.3	1469.3	1379.0
30°	1991.9	1965.3	1933.4	1897.0	1852.8	1803.5	1748.1	1682.5	1608.8	1526.8	1437.2
27.5°	2027.6	2003.2	1972.6	1937.7	1897.0	1848.1	1793.4	1731.9	1660.4	1577.9	1487.8
25°	2057.7	2034.4	2006.4	1972.6	1933.4	1888.2	1834.4	1773.3	1703.8	1624.5	1535.0
22.5°	2082.5	2060.5	2034.4	2003.2	1965.3	1920.9	1869.4	1810.4	1743.7	1665.2	1575.6
20°	2101.5	2082.5	2057.7	2027.6	1991.9	1950.5	1900.4	1841.9	1775.4	1699.4	1612.2
17.5°	2113.7	2099.0	2077.2	2049.2	2014.3	1973.4	1925.4	1869.0	1804.0	1730.2	1645.1
15°	2121.9	2110.8	2091.6	2065.5	2033.0	1993.6	1947.6	1893.0	1828.5	1755.2	1670.7
12.5°	2124.0	2118.2	2103.9	2079.7	2048.5	2009.9	1964.5	1910.7	1847.6	1775.3	1692.2
10°	2125.2	2122.3	2110.9	2089.2	2059.5	2022.4	1978.0	1925.5	1863.5	1792.0	1710.0
7.5°	2124.3	2123.6	2115.5	2096.8	2068.3	2032.4	1988.7	1937.2	1876.1	1805.1	1723.9
5°	2123.6	2124.6	2118.9	2102.3	2074.6	2039.6	1996.4	1945.6	1885.1	1814.5	1734.0
2.5°	2123.1	2125.2	2120.9	2105.7	2078.5	2043.9	2001.0	1950.7	1890.6	1820.2	1740.1
0°	2123.0	2125.4	2121.6	2106.8	2079.8	2045.4	2002.6	1952.4	1892.4	1822.1	1742.1
-2.5°	2123.1	2125.2	2120.9	2105.7	2078.5	2043.9	2001.0	1950.7	1890.6	1820.2	1740.1
-5°	2123.6	2124.6	2118.9	2102.3	2074.6	2039.6	1996.4	1945.6	1885.1	1814.5	1734.0
-7.5°	2124.3	2123.6	2115.5	2096.8	2068.3	2032.4	1988.7	1937.2	1876.1	1805.1	1723.9
-10°	2125.2	2122.3	2110.9	2089.2	2059.5	2022.4	1978.0	1925.5	1863.5	1792.0	1710.0
-12.5°	2124.0	2118.2	2103.9	2079.7	2048.5	2009.9	1964.5	1910.7	1847.6	1775.3	1692.2
-15°	2121.9	2110.8	2091.6	2065.5	2033.0	1993.6	1947.6	1893.0	1828.5	1755.2	1670.7
-17.5°	2113.7	2099.0	2077.2	2049.2	2014.3	1973.4	1925.4	1869.0	1804.0	1730.2	1645.1
-20°	2101.5	2082.5	2057.7	2027.6	1991.9	1950.5	1900.4	1841.9	1775.4	1699.4	1612.2



REPORT NUMBER: P645336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	2082.5	2060.5	2034.4	2003.2	1965.3	1920.9	1869.4	1810.4	1743.7	1665.2	1575.6
-25°	2057.7	2034.4	2006.4	1972.6	1933.4	1888.2	1834.4	1773.3	1703.8	1624.5	1535.0
-27.5°	2027.6	2003.2	1972.6	1937.7	1897.0	1848.1	1793.4	1731.9	1660.4	1577.9	1487.8
-30°	1991.9	1965.3	1933.4	1897.0	1852.8	1803.5	1748.1	1682.5	1608.8	1526.8	1437.2
-32.5°	1950.5	1920.9	1888.2	1848.1	1803.5	1753.0	1693.7	1627.5	1552.3	1469.3	1379.0
-35°	1900.4	1869.4	1834.4	1793.4	1748.1	1693.7	1633.9	1564.6	1488.8	1407.0	1316.2
-37.5°	1841.9	1810.4	1773.3	1731.9	1682.5	1627.5	1564.6	1495.3	1421.2	1336.9	1245.5
-40°	1775.4	1743.7	1703.8	1660.4	1608.8	1552.3	1488.8	1421.2	1343.9	1260.6	1169.5
-42.5°	1699.4	1665.2	1624.5	1577.9	1526.8	1469.3	1407.0	1336.9	1260.6	1176.9	1082.6
-45°	1612.2	1575.6	1535.0	1487.8	1437.2	1379.0	1316.2	1245.5	1169.5	1082.6	990.6
-47.5°	1514.1	1477.3	1436.9	1389.7	1337.5	1280.5	1215.5	1146.6	1066.1	982.1	891.5
-50°	1407.3	1369.7	1328.3	1282.0	1228.4	1171.2	1105.3	1033.4	956.7	874.7	790.7
-52.5°	1289.6	1251.2	1208.9	1162.8	1108.2	1048.3	984.6	914.7	841.4	766.7	689.7
-55°	1159.0	1120.0	1076.1	1028.3	976.0	918.2	856.8	792.9	727.0	658.2	596.5
-57.5°	1011.6	974.5	932.4	886.5	836.9	784.9	730.1	672.3	617.8	563.1	508.3
-60°	856.8	822.1	784.9	744.3	700.4	653.8	610.7	565.0	517.0	477.8	437.3
-62.5°	704.1	673.7	642.4	610.7	576.3	539.5	503.8	471.6	437.8	403.0	372.1
-65°	566.6	543.1	517.0	494.6	470.7	445.0	417.6	391.5	366.0	339.2	312.1
-67.5°	453.5	437.3	419.3	400.8	383.0	363.8	343.3	321.7	302.2	283.2	263.4
-70°	360.8	348.9	335.6	321.2	307.5	294.1	279.8	264.7	248.6	234.6	221.2
-72.5°	284.0	275.8	266.7	256.7	245.9	236.4	227.0	216.9	206.3	195.2	184.1
-75°	222.9	217.7	211.8	205.3	198.3	190.8	183.4	175.8	167.8	159.4	150.6
-77.5°	173.6	169.7	165.4	160.7	155.6	150.0	144.1	137.7	130.7	123.4	115.7
-80°	127.7	124.4	120.8	116.9	112.6	108.0	103.0	97.8	92.2	86.6	81.1
-82.5°	80.9	78.7	76.3	73.6	70.7	67.6	64.2	60.7	56.9	52.9	48.7
-85°	39.5	38.5	37.3	36.1	34.8	33.4	31.8	30.2	28.4	26.6	24.7
-87.5°	10.9	10.7	10.5	10.3	10.0	9.8	9.5	9.2	8.9	8.6	8.2
-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: P645336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	7.8	7.5	7.1	6.7	6.2	5.8	5.4	4.9	4.4	4.0	3.5
85°	22.7	20.6	18.5	16.2	13.9	11.6	10.7	9.8	8.9	7.9	7.0
82.5°	44.4	40.9	37.7	34.3	30.9	27.3	23.7	20.0	16.2	12.3	10.4
80°	75.3	69.2	63.0	56.5	49.8	43.1	38.2	33.3	28.2	23.1	17.9
77.5°	107.7	99.4	90.7	82.5	74.2	65.6	56.8	47.9	40.1	33.7	27.2
75°	141.4	131.4	121.0	110.3	99.3	88.1	77.6	66.8	55.9	44.7	36.5
72.5°	173.3	162.2	150.6	138.6	125.8	112.6	99.1	85.6	72.9	59.9	46.8
70°	207.2	192.8	179.1	165.4	151.4	136.9	121.5	105.7	89.7	74.9	59.9
67.5°	242.8	226.5	209.7	192.3	176.1	160.0	143.4	126.0	108.0	89.7	72.9
65°	289.0	265.2	241.2	221.9	202.1	182.6	164.3	145.6	126.0	105.7	85.6
62.5°	340.0	308.5	281.4	253.5	229.3	207.0	184.7	164.3	143.4	121.5	99.1
60°	397.1	360.8	323.4	291.2	260.0	231.7	207.0	182.6	160.0	136.9	112.6
57.5°	462.6	415.4	373.4	331.7	294.5	260.0	229.3	202.1	176.1	151.4	125.8
55°	532.7	478.0	425.6	377.6	331.7	291.2	253.5	221.9	192.3	165.4	138.6
52.5°	616.7	546.1	483.1	425.6	373.4	323.4	281.4	241.2	209.7	179.1	150.6
50°	705.6	623.4	546.1	478.0	415.4	360.8	308.5	265.2	226.5	192.8	162.2
47.5°	798.7	705.6	616.7	532.7	462.6	397.1	340.0	289.0	242.8	207.2	173.3
45°	891.5	790.7	689.7	596.5	508.3	437.3	372.1	312.1	263.4	221.2	184.1
42.5°	982.1	874.7	766.7	658.2	563.1	477.8	403.0	339.2	283.2	234.6	195.2
40°	1066.1	956.7	841.4	727.0	617.8	517.0	437.8	366.0	302.2	248.6	206.3
37.5°	1146.6	1033.4	914.7	792.9	672.3	565.0	471.6	391.5	321.7	264.7	216.9
35°	1215.5	1105.3	984.6	856.8	730.1	610.7	503.8	417.6	343.3	279.8	227.0
32.5°	1280.5	1171.2	1048.3	918.2	784.9	653.8	539.5	445.0	363.8	294.1	236.4
30°	1337.5	1228.4	1108.2	976.0	836.9	700.4	576.3	470.7	383.0	307.5	245.9
27.5°	1389.7	1282.0	1162.8	1028.3	886.5	744.3	610.7	494.6	400.8	321.2	256.7
25°	1436.9	1328.3	1208.9	1076.1	932.4	784.9	642.4	517.0	419.3	335.6	266.7
22.5°	1477.3	1369.7	1251.2	1120.0	974.5	822.1	673.7	543.1	437.3	348.9	275.8
20°	1514.1	1407.3	1289.6	1159.0	1011.6	856.8	704.1	566.6	453.5	360.8	284.0
17.5°	1546.6	1439.4	1321.1	1190.4	1044.1	887.7	731.2	587.6	468.0	371.4	291.2
15°	1573.3	1466.1	1348.3	1218.0	1072.4	914.7	754.9	605.8	480.5	380.6	297.6
12.5°	1596.2	1488.9	1371.5	1241.5	1096.7	937.7	775.0	621.4	491.3	388.5	303.0
10°	1615.0	1507.8	1390.6	1260.9	1116.6	956.7	791.6	634.2	500.1	395.0	307.4
7.5°	1629.9	1522.6	1405.6	1276.1	1132.2	971.5	804.6	644.2	506.9	400.0	310.8
5°	1640.5	1533.2	1416.4	1287.0	1143.4	982.1	813.8	651.4	511.9	403.6	313.3
2.5°	1647.0	1539.6	1422.8	1293.5	1150.2	988.5	819.4	655.7	514.8	405.8	314.8
0°	1649.1	1541.7	1425.0	1295.7	1152.4	990.6	821.3	657.1	515.8	406.5	315.3
-2.5°	1647.0	1539.6	1422.8	1293.5	1150.2	988.5	819.4	655.7	514.8	405.8	314.8
-5°	1640.5	1533.2	1416.4	1287.0	1143.4	982.1	813.8	651.4	511.9	403.6	313.3
-7.5°	1629.9	1522.6	1405.6	1276.1	1132.2	971.5	804.6	644.2	506.9	400.0	310.8
-10°	1615.0	1507.8	1390.6	1260.9	1116.6	956.7	791.6	634.2	500.1	395.0	307.4
-12.5°	1596.2	1488.9	1371.5	1241.5	1096.7	937.7	775.0	621.4	491.3	388.5	303.0
-15°	1573.3	1466.1	1348.3	1218.0	1072.4	914.7	754.9	605.8	480.5	380.6	297.6
-17.5°	1546.6	1439.4	1321.1	1190.4	1044.1	887.7	731.2	587.6	468.0	371.4	291.2
-20°	1514.1	1407.3	1289.6	1159.0	1011.6	856.8	704.1	566.6	453.5	360.8	284.0



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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°	1477.3	1369.7	1251.2	1120.0	974.5	822.1	673.7	543.1	437.3	348.9	275.8
-25°	1436.9	1328.3	1208.9	1076.1	932.4	784.9	642.4	517.0	419.3	335.6	266.7
-27.5°	1389.7	1282.0	1162.8	1028.3	886.5	744.3	610.7	494.6	400.8	321.2	256.7
-30°	1337.5	1228.4	1108.2	976.0	836.9	700.4	576.3	470.7	383.0	307.5	245.9
-32.5°	1280.5	1171.2	1048.3	918.2	784.9	653.8	539.5	445.0	363.8	294.1	236.4
-35°	1215.5	1105.3	984.6	856.8	730.1	610.7	503.8	417.6	343.3	279.8	227.0
-37.5°	1146.6	1033.4	914.7	792.9	672.3	565.0	471.6	391.5	321.7	264.7	216.9
-40°	1066.1	956.7	841.4	727.0	617.8	517.0	437.8	366.0	302.2	248.6	206.3
-42.5°	982.1	874.7	766.7	658.2	563.1	477.8	403.0	339.2	283.2	234.6	195.2
-45°	891.5	790.7	689.7	596.5	508.3	437.3	372.1	312.1	263.4	221.2	184.1
-47.5°	798.7	705.6	616.7	532.7	462.6	397.1	340.0	289.0	242.8	207.2	173.3
-50°	705.6	623.4	546.1	478.0	415.4	360.8	308.5	265.2	226.5	192.8	162.2
-52.5°	616.7	546.1	483.1	425.6	373.4	323.4	281.4	241.2	209.7	179.1	150.6
-55°	532.7	478.0	425.6	377.6	331.7	291.2	253.5	221.9	192.3	165.4	138.6
-57.5°	462.6	415.4	373.4	331.7	294.5	260.0	229.3	202.1	176.1	151.4	125.8
-60°	397.1	360.8	323.4	291.2	260.0	231.7	207.0	182.6	160.0	136.9	112.6
-62.5°	340.0	308.5	281.4	253.5	229.3	207.0	184.7	164.3	143.4	121.5	99.1
-65°	289.0	265.2	241.2	221.9	202.1	182.6	164.3	145.6	126.0	105.7	85.6
-67.5°	242.8	226.5	209.7	192.3	176.1	160.0	143.4	126.0	108.0	89.7	72.9
-70°	207.2	192.8	179.1	165.4	151.4	136.9	121.5	105.7	89.7	74.9	59.9
-72.5°	173.3	162.2	150.6	138.6	125.8	112.6	99.1	85.6	72.9	59.9	46.8
-75°	141.4	131.4	121.0	110.3	99.3	88.1	77.6	66.8	55.9	44.7	36.5
-77.5°	107.7	99.4	90.7	82.5	74.2	65.6	56.8	47.9	40.1	33.7	27.2
-80°	75.3	69.2	63.0	56.5	49.8	43.1	38.2	33.3	28.2	23.1	17.9
-82.5°	44.4	40.9	37.7	34.3	30.9	27.3	23.7	20.0	16.2	12.3	10.4
-85°	22.7	20.6	18.5	16.2	13.9	11.6	10.7	9.8	8.9	7.9	7.0
-87.5°	7.8	7.5	7.1	6.7	6.2	5.8	5.4	4.9	4.4	4.0	3.5
-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°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
85°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
82.5°	9.0	7.5	6.0	4.5	3.0	1.5	0.0
80°	12.6	10.0	8.0	6.0	4.0	2.0	0.0
77.5°	20.6	13.9	10.0	7.5	5.0	2.5	0.0
75°	28.6	20.6	12.6	9.0	6.0	3.0	0.0
72.5°	36.5	27.2	17.9	10.4	7.0	3.5	0.0
70°	44.7	33.7	23.1	12.3	7.9	4.0	0.0
67.5°	55.9	40.1	28.2	16.2	8.9	4.4	0.0
65°	66.8	47.9	33.3	20.0	9.8	4.9	0.0
62.5°	77.6	56.8	38.2	23.7	10.7	5.4	0.0
60°	88.1	65.6	43.1	27.3	11.6	5.8	0.0
57.5°	99.3	74.2	49.8	30.9	13.9	6.2	0.0
55°	110.3	82.5	56.5	34.3	16.2	6.7	0.0
52.5°	121.0	90.7	63.0	37.7	18.5	7.1	0.0
50°	131.4	99.4	69.2	40.9	20.6	7.5	0.0
47.5°	141.4	107.7	75.3	44.4	22.7	7.8	0.0
45°	150.6	115.7	81.1	48.7	24.7	8.2	0.0
42.5°	159.4	123.4	86.6	52.9	26.6	8.6	0.0
40°	167.8	130.7	92.2	56.9	28.4	8.9	0.0
37.5°	175.8	137.7	97.8	60.7	30.2	9.2	0.0
35°	183.4	144.1	103.0	64.2	31.8	9.5	0.0
32.5°	190.8	150.0	108.0	67.6	33.4	9.8	0.0
30°	198.3	155.6	112.6	70.7	34.8	10.0	0.0
27.5°	205.3	160.7	116.9	73.6	36.1	10.3	0.0
25°	211.8	165.4	120.8	76.3	37.3	10.5	0.0
22.5°	217.7	169.7	124.4	78.7	38.5	10.7	0.0
20°	222.9	173.6	127.7	80.9	39.5	10.9	0.0
17.5°	227.7	177.0	130.5	82.9	40.4	11.1	0.0
15°	231.7	180.0	133.0	84.6	41.1	11.2	0.0
12.5°	235.2	182.6	135.1	86.0	41.8	11.3	0.0
10°	238.1	184.7	136.9	87.2	42.3	11.4	0.0
7.5°	240.3	186.3	138.2	88.1	42.8	11.5	0.0
5°	241.9	187.5	139.2	88.8	43.1	11.6	0.0
2.5°	242.9	188.2	139.8	89.2	43.2	11.6	0.0
0°	243.2	188.4	140.0	89.3	43.3	11.6	0.0
-2.5°	242.9	188.2	139.8	89.2	43.2	11.6	0.0
-5°	241.9	187.5	139.2	88.8	43.1	11.6	0.0
-7.5°	240.3	186.3	138.2	88.1	42.8	11.5	0.0
-10°	238.1	184.7	136.9	87.2	42.3	11.4	0.0
-12.5°	235.2	182.6	135.1	86.0	41.8	11.3	0.0
-15°	231.7	180.0	133.0	84.6	41.1	11.2	0.0
-17.5°	227.7	177.0	130.5	82.9	40.4	11.1	0.0
-20°	222.9	173.6	127.7	80.9	39.5	10.9	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	217.7	169.7	124.4	78.7	38.5	10.7	0.0
-25°	211.8	165.4	120.8	76.3	37.3	10.5	0.0
-27.5°	205.3	160.7	116.9	73.6	36.1	10.3	0.0
-30°	198.3	155.6	112.6	70.7	34.8	10.0	0.0
-32.5°	190.8	150.0	108.0	67.6	33.4	9.8	0.0
-35°	183.4	144.1	103.0	64.2	31.8	9.5	0.0
-37.5°	175.8	137.7	97.8	60.7	30.2	9.2	0.0
-40°	167.8	130.7	92.2	56.9	28.4	8.9	0.0
-42.5°	159.4	123.4	86.6	52.9	26.6	8.6	0.0
-45°	150.6	115.7	81.1	48.7	24.7	8.2	0.0
-47.5°	141.4	107.7	75.3	44.4	22.7	7.8	0.0
-50°	131.4	99.4	69.2	40.9	20.6	7.5	0.0
-52.5°	121.0	90.7	63.0	37.7	18.5	7.1	0.0
-55°	110.3	82.5	56.5	34.3	16.2	6.7	0.0
-57.5°	99.3	74.2	49.8	30.9	13.9	6.2	0.0
-60°	88.1	65.6	43.1	27.3	11.6	5.8	0.0
-62.5°	77.6	56.8	38.2	23.7	10.7	5.4	0.0
-65°	66.8	47.9	33.3	20.0	9.8	4.9	0.0
-67.5°	55.9	40.1	28.2	16.2	8.9	4.4	0.0
-70°	44.7	33.7	23.1	12.3	7.9	4.0	0.0
-72.5°	36.5	27.2	17.9	10.4	7.0	3.5	0.0
-75°	28.6	20.6	12.6	9.0	6.0	3.0	0.0
-77.5°	20.6	13.9	10.0	7.5	5.0	2.5	0.0
-80°	12.6	10.0	8.0	6.0	4.0	2.0	0.0
-82.5°	9.0	7.5	6.0	4.5	3.0	1.5	0.0
-85°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-87.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)