

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: P645328 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1C-740-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645328 (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-SA1C-740-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

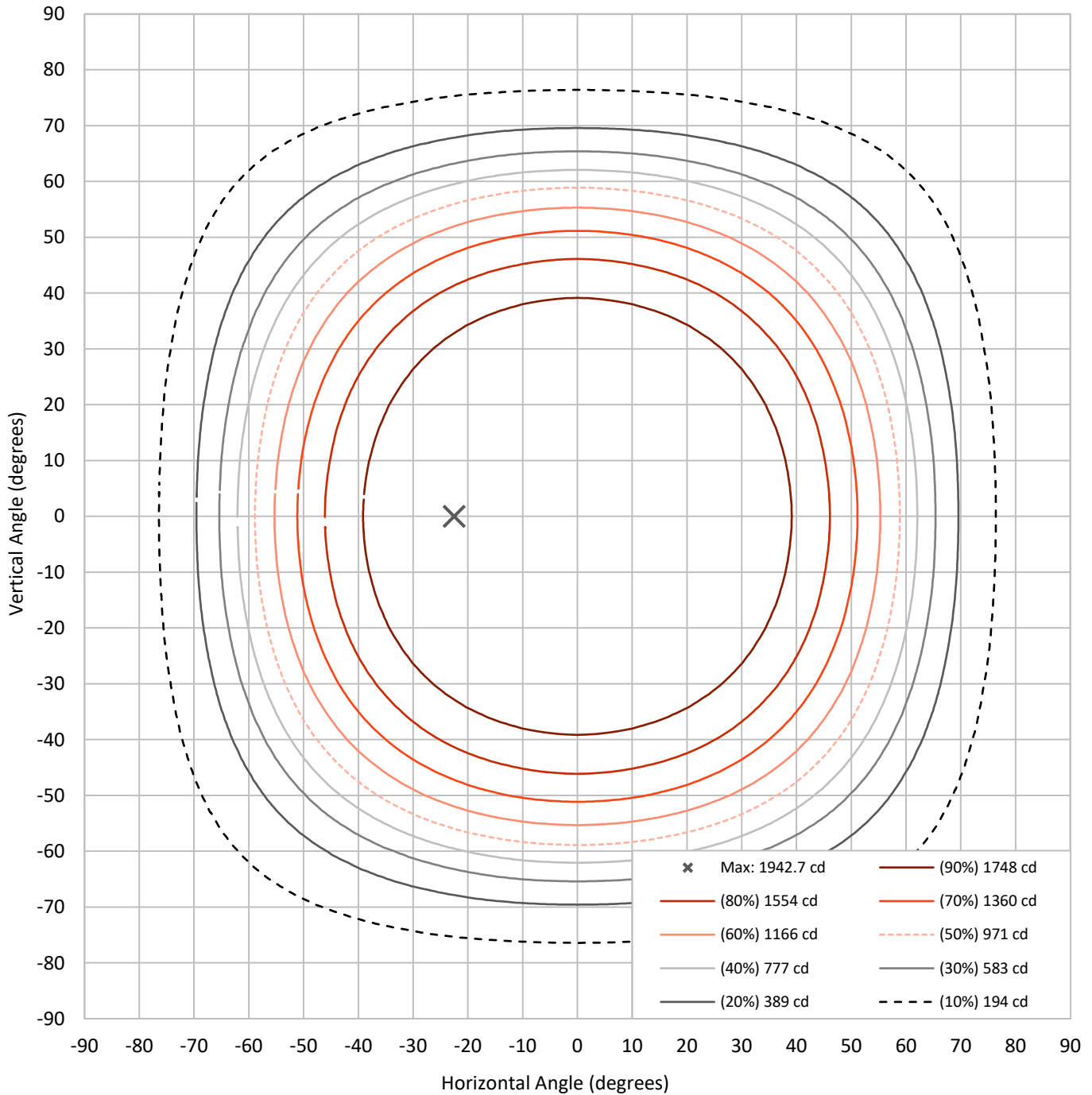
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5942.9 lumens	Max Intensity:	1942.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	136.6 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:	4945.8 lumens	Field Lumens:	5826 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	43.5		
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		



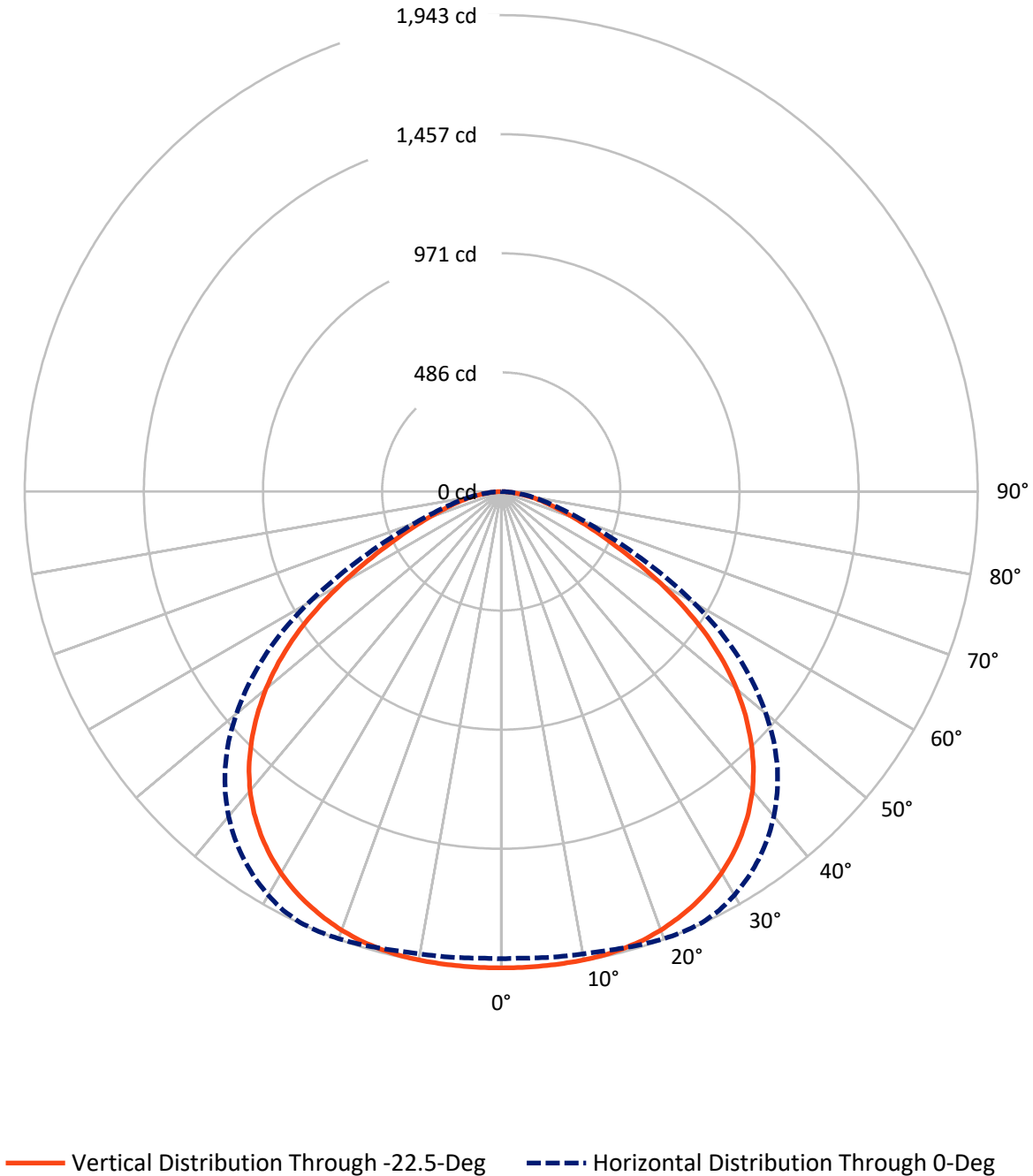
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Iso-Candela Plot



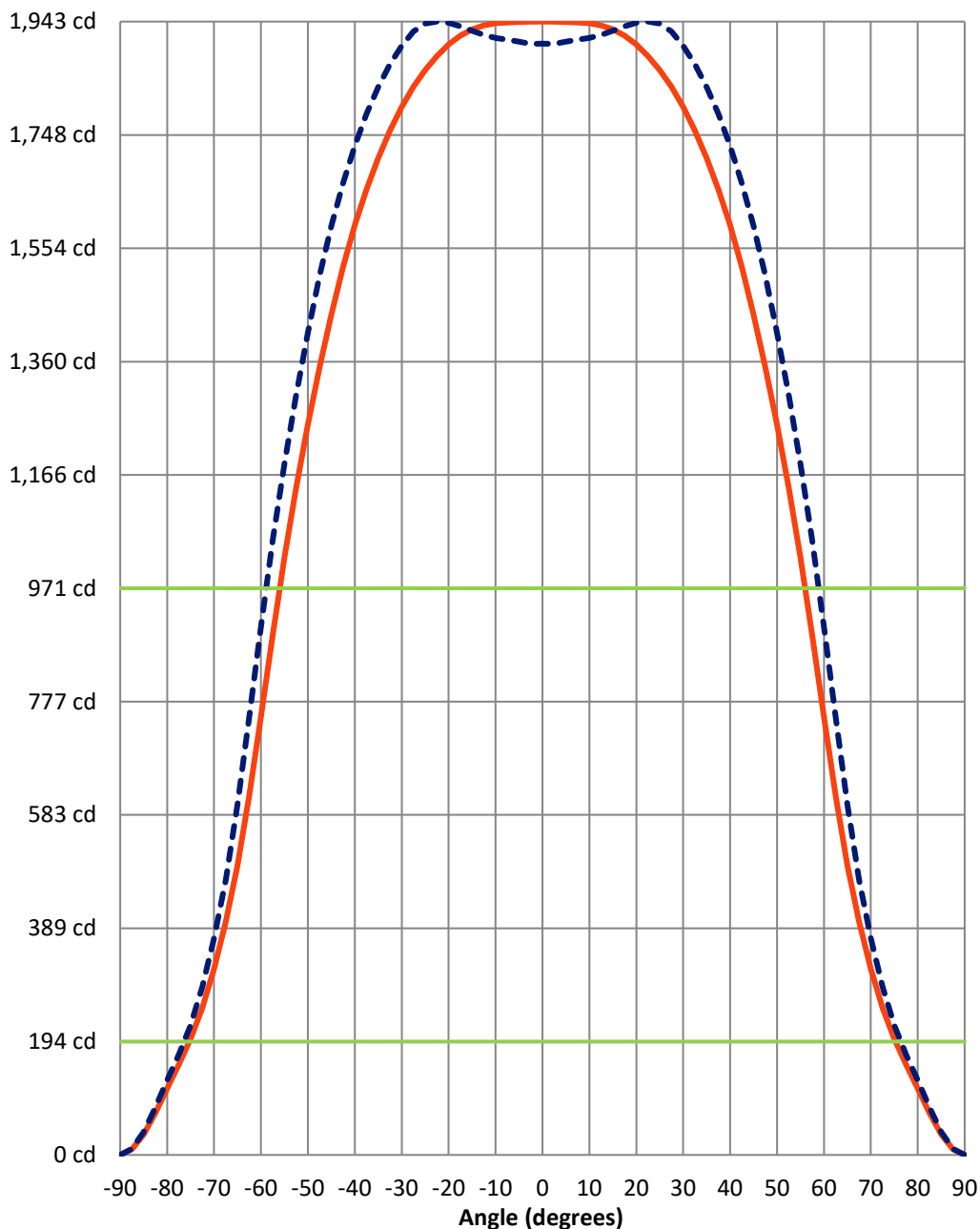
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 4945.8
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 5826
 Efficiency: 98.0%

Spill:
 Lumens: 116.9
 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	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
85°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.4	7.2	8.1	9.0
82.5°	0.0	1.4	2.8	4.1	5.5	6.9	8.2	9.5	11.3	14.8	18.3
80°	0.0	1.8	3.7	5.5	7.3	9.1	11.5	16.3	21.1	25.7	30.4
77.5°	0.0	2.3	4.6	6.9	9.1	12.7	18.8	24.8	30.8	36.6	43.7
75°	0.0	2.7	5.5	8.2	11.5	18.8	26.1	33.3	40.8	51.0	61.0
72.5°	0.0	3.2	6.4	9.5	16.3	24.8	33.3	42.7	54.7	66.6	78.3
70°	0.0	3.6	7.2	11.3	21.1	30.8	40.8	54.7	68.4	82.0	96.6
67.5°	0.0	4.1	8.1	14.8	25.7	36.6	51.0	66.6	82.0	98.7	115.1
65°	0.0	4.5	9.0	18.3	30.4	43.7	61.0	78.3	96.6	115.1	133.1
62.5°	0.0	4.9	9.8	21.6	34.9	51.9	70.9	90.5	111.0	131.1	150.2
60°	0.0	5.3	10.6	25.0	39.3	59.9	80.5	102.9	125.2	146.2	166.9
57.5°	0.0	5.7	12.7	28.2	45.5	67.8	90.8	115.0	138.4	161.0	184.7
55°	0.0	6.1	14.8	31.3	51.6	75.4	100.9	126.7	151.2	175.8	202.8
52.5°	0.0	6.5	16.9	34.4	57.5	82.9	110.7	137.7	163.7	191.7	220.5
50°	0.0	6.8	18.8	37.3	63.2	90.8	120.1	148.2	176.2	207.1	242.4
47.5°	0.0	7.2	20.7	40.5	68.8	98.5	129.2	158.4	189.4	222.0	264.2
45°	0.0	7.5	22.5	44.5	74.1	105.8	137.6	168.3	202.2	240.7	285.2
42.5°	0.0	7.8	24.3	48.3	79.2	112.8	145.7	178.4	214.4	258.9	310.0
40°	0.0	8.1	26.0	51.9	84.3	119.5	153.4	188.6	227.3	276.3	334.5
37.5°	0.0	8.4	27.5	55.4	89.4	125.9	160.7	198.3	241.9	294.0	357.8
35°	0.0	8.7	29.0	58.7	94.2	131.8	167.6	207.5	255.8	313.8	381.7
32.5°	0.0	8.9	30.4	61.7	98.7	137.2	174.4	216.1	268.8	332.5	406.7
30°	0.0	9.2	31.7	64.6	102.9	142.2	181.3	224.8	281.1	350.0	430.2
27.5°	0.0	9.4	33.0	67.3	106.8	146.9	187.7	234.7	293.5	366.3	452.1
25°	0.0	9.6	34.1	69.7	110.5	151.2	193.6	243.8	306.8	383.2	472.5
22.5°	0.0	9.8	35.1	71.9	113.7	155.1	198.9	252.1	318.9	399.7	496.3
20°	0.0	10.0	36.0	73.9	116.7	158.7	203.8	259.6	329.8	414.5	517.9
17.5°	0.0	10.1	36.8	75.7	119.3	161.8	208.1	266.2	339.4	427.7	537.1
15°	0.0	10.2	37.5	77.3	121.6	164.6	211.8	272.0	347.9	439.2	553.8
12.5°	0.0	10.3	38.1	78.6	123.6	166.9	215.0	276.9	355.1	449.0	568.0
10°	0.0	10.4	38.6	79.7	125.2	168.8	217.6	281.0	361.0	457.0	579.7
7.5°	0.0	10.5	39.0	80.5	126.4	170.3	219.7	284.1	365.6	463.3	588.9
5°	0.0	10.6	39.3	81.1	127.3	171.3	221.1	286.4	368.9	467.8	595.4
2.5°	0.0	10.6	39.4	81.5	127.8	172.0	222.0	287.7	370.8	470.5	599.4
0°	0.0	10.6	39.5	81.6	128.0	172.2	222.3	288.2	371.5	471.4	600.7
-2.5°	0.0	10.6	39.4	81.5	127.8	172.0	222.0	287.7	370.8	470.5	599.4
-5°	0.0	10.6	39.3	81.1	127.3	171.3	221.1	286.4	368.9	467.8	595.4
-7.5°	0.0	10.5	39.0	80.5	126.4	170.3	219.7	284.1	365.6	463.3	588.9
-10°	0.0	10.4	38.6	79.7	125.2	168.8	217.6	281.0	361.0	457.0	579.7
-12.5°	0.0	10.3	38.1	78.6	123.6	166.9	215.0	276.9	355.1	449.0	568.0
-15°	0.0	10.2	37.5	77.3	121.6	164.6	211.8	272.0	347.9	439.2	553.8
-17.5°	0.0	10.1	36.8	75.7	119.3	161.8	208.1	266.2	339.4	427.7	537.1
-20°	0.0	10.0	36.0	73.9	116.7	158.7	203.8	259.6	329.8	414.5	517.9

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	9.8	35.1	71.9	113.7	155.1	198.9	252.1	318.9	399.7	496.3
-25°	0.0	9.6	34.1	69.7	110.5	151.2	193.6	243.8	306.8	383.2	472.5
-27.5°	0.0	9.4	33.0	67.3	106.8	146.9	187.7	234.7	293.5	366.3	452.1
-30°	0.0	9.2	31.7	64.6	102.9	142.2	181.3	224.8	281.1	350.0	430.2
-32.5°	0.0	8.9	30.4	61.7	98.7	137.2	174.4	216.1	268.8	332.5	406.7
-35°	0.0	8.7	29.0	58.7	94.2	131.8	167.6	207.5	255.8	313.8	381.7
-37.5°	0.0	8.4	27.5	55.4	89.4	125.9	160.7	198.3	241.9	294.0	357.8
-40°	0.0	8.1	26.0	51.9	84.3	119.5	153.4	188.6	227.3	276.3	334.5
-42.5°	0.0	7.8	24.3	48.3	79.2	112.8	145.7	178.4	214.4	258.9	310.0
-45°	0.0	7.5	22.5	44.5	74.1	105.8	137.6	168.3	202.2	240.7	285.2
-47.5°	0.0	7.2	20.7	40.5	68.8	98.5	129.2	158.4	189.4	222.0	264.2
-50°	0.0	6.8	18.8	37.3	63.2	90.8	120.1	148.2	176.2	207.1	242.4
-52.5°	0.0	6.5	16.9	34.4	57.5	82.9	110.7	137.7	163.7	191.7	220.5
-55°	0.0	6.1	14.8	31.3	51.6	75.4	100.9	126.7	151.2	175.8	202.8
-57.5°	0.0	5.7	12.7	28.2	45.5	67.8	90.8	115.0	138.4	161.0	184.7
-60°	0.0	5.3	10.6	25.0	39.3	59.9	80.5	102.9	125.2	146.2	166.9
-62.5°	0.0	4.9	9.8	21.6	34.9	51.9	70.9	90.5	111.0	131.1	150.2
-65°	0.0	4.5	9.0	18.3	30.4	43.7	61.0	78.3	96.6	115.1	133.1
-67.5°	0.0	4.1	8.1	14.8	25.7	36.6	51.0	66.6	82.0	98.7	115.1
-70°	0.0	3.6	7.2	11.3	21.1	30.8	40.8	54.7	68.4	82.0	96.6
-72.5°	0.0	3.2	6.4	9.5	16.3	24.8	33.3	42.7	54.7	66.6	78.3
-75°	0.0	2.7	5.5	8.2	11.5	18.8	26.1	33.3	40.8	51.0	61.0
-77.5°	0.0	2.3	4.6	6.9	9.1	12.7	18.8	24.8	30.8	36.6	43.7
-80°	0.0	1.8	3.7	5.5	7.3	9.1	11.5	16.3	21.1	25.7	30.4
-82.5°	0.0	1.4	2.8	4.1	5.5	6.9	8.2	9.5	11.3	14.8	18.3
-85°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.4	7.2	8.1	9.0
-87.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-740-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°	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.5	7.8	8.1	8.4
85°	9.8	10.6	12.7	14.8	16.9	18.8	20.7	22.5	24.3	26.0	27.5
82.5°	21.6	25.0	28.2	31.3	34.4	37.3	40.5	44.5	48.3	51.9	55.4
80°	34.9	39.3	45.5	51.6	57.5	63.2	68.8	74.1	79.2	84.3	89.4
77.5°	51.9	59.9	67.8	75.4	82.9	90.8	98.5	105.8	112.8	119.5	125.9
75°	70.9	80.5	90.8	100.9	110.7	120.1	129.2	137.6	145.7	153.4	160.7
72.5°	90.5	102.9	115.0	126.7	137.7	148.2	158.4	168.3	178.4	188.6	198.3
70°	111.0	125.2	138.4	151.2	163.7	176.2	189.4	202.2	214.4	227.3	241.9
67.5°	131.1	146.2	161.0	175.8	191.7	207.1	222.0	240.7	258.9	276.3	294.0
65°	150.2	166.9	184.7	202.8	220.5	242.4	264.2	285.2	310.0	334.5	357.8
62.5°	168.9	189.2	209.6	231.7	257.2	282.0	310.8	340.1	368.3	400.1	431.0
60°	189.2	211.8	237.7	266.2	295.6	329.8	362.9	399.7	436.7	472.5	516.4
57.5°	209.6	237.7	269.2	303.2	341.2	379.7	422.8	464.6	514.7	564.8	614.6
55°	231.7	266.2	303.2	345.1	388.9	436.8	486.9	545.2	601.7	664.6	724.8
52.5°	257.2	295.6	341.2	388.9	441.5	499.1	563.7	630.5	700.8	769.1	836.1
50°	282.0	329.8	379.7	436.8	499.1	569.9	645.0	722.7	799.5	874.5	944.6
47.5°	310.8	362.9	422.8	486.9	563.7	645.0	730.1	814.9	897.7	974.5	1048.1
45°	340.1	399.7	464.6	545.2	630.5	722.7	814.9	905.5	989.6	1069.0	1138.4
42.5°	368.3	436.7	514.7	601.7	700.8	799.5	897.7	989.6	1075.8	1152.2	1222.0
40°	400.1	472.5	564.8	664.6	769.1	874.5	974.5	1069.0	1152.2	1228.4	1299.0
37.5°	431.0	516.4	614.6	724.8	836.1	944.6	1048.1	1138.4	1222.0	1299.0	1366.8
35°	460.4	558.2	667.4	783.2	900.0	1010.3	1111.1	1203.0	1286.1	1360.8	1430.1
32.5°	493.1	597.7	717.5	839.3	958.3	1070.6	1170.4	1260.4	1343.0	1418.9	1487.7
30°	526.8	640.2	765.0	892.1	1013.0	1122.8	1222.5	1313.6	1395.5	1470.5	1537.9
27.5°	558.2	680.4	810.3	939.9	1062.9	1171.8	1270.2	1359.9	1442.3	1517.7	1583.1
25°	587.2	717.5	852.3	983.7	1105.0	1214.1	1313.4	1403.0	1484.9	1557.4	1620.9
22.5°	615.8	751.5	890.8	1023.8	1143.6	1252.0	1350.3	1440.2	1522.2	1593.9	1654.9
20°	643.6	783.2	924.7	1059.4	1178.7	1286.4	1384.0	1473.7	1553.4	1622.9	1683.6
17.5°	668.4	811.4	954.4	1088.1	1207.6	1315.7	1413.7	1503.7	1581.5	1649.1	1708.4
15°	690.0	836.1	980.3	1113.3	1232.4	1340.1	1438.1	1527.1	1604.4	1671.4	1730.2
12.5°	708.4	857.1	1002.5	1134.8	1253.6	1361.0	1459.0	1546.8	1622.8	1688.9	1746.5
10°	723.6	874.5	1020.7	1152.5	1271.1	1378.2	1476.3	1563.0	1638.0	1703.4	1760.0
7.5°	735.4	888.0	1035.0	1166.4	1284.8	1391.7	1489.8	1575.8	1650.0	1714.8	1770.7
5°	743.9	897.7	1045.2	1176.3	1294.6	1401.4	1499.6	1585.0	1658.6	1723.1	1778.4
2.5°	749.0	903.6	1051.3	1182.3	1300.5	1407.2	1505.4	1590.5	1663.9	1728.0	1783.0
0°	750.7	905.5	1053.4	1184.3	1302.5	1409.2	1507.4	1592.4	1665.6	1729.7	1784.6
-2.5°	749.0	903.6	1051.3	1182.3	1300.5	1407.2	1505.4	1590.5	1663.9	1728.0	1783.0
-5°	743.9	897.7	1045.2	1176.3	1294.6	1401.4	1499.6	1585.0	1658.6	1723.1	1778.4
-7.5°	735.4	888.0	1035.0	1166.4	1284.8	1391.7	1489.8	1575.8	1650.0	1714.8	1770.7
-10°	723.6	874.5	1020.7	1152.5	1271.1	1378.2	1476.3	1563.0	1638.0	1703.4	1760.0
-12.5°	708.4	857.1	1002.5	1134.8	1253.6	1361.0	1459.0	1546.8	1622.8	1688.9	1746.5
-15°	690.0	836.1	980.3	1113.3	1232.4	1340.1	1438.1	1527.1	1604.4	1671.4	1730.2
-17.5°	668.4	811.4	954.4	1088.1	1207.6	1315.7	1413.7	1503.7	1581.5	1649.1	1708.4
-20°	643.6	783.2	924.7	1059.4	1178.7	1286.4	1384.0	1473.7	1553.4	1622.9	1683.6

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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°	615.8	751.5	890.8	1023.8	1143.6	1252.0	1350.3	1440.2	1522.2	1593.9	1654.9
-25°	587.2	717.5	852.3	983.7	1105.0	1214.1	1313.4	1403.0	1484.9	1557.4	1620.9
-27.5°	558.2	680.4	810.3	939.9	1062.9	1171.8	1270.2	1359.9	1442.3	1517.7	1583.1
-30°	526.8	640.2	765.0	892.1	1013.0	1122.8	1222.5	1313.6	1395.5	1470.5	1537.9
-32.5°	493.1	597.7	717.5	839.3	958.3	1070.6	1170.4	1260.4	1343.0	1418.9	1487.7
-35°	460.4	558.2	667.4	783.2	900.0	1010.3	1111.1	1203.0	1286.1	1360.8	1430.1
-37.5°	431.0	516.4	614.6	724.8	836.1	944.6	1048.1	1138.4	1222.0	1299.0	1366.8
-40°	400.1	472.5	564.8	664.6	769.1	874.5	974.5	1069.0	1152.2	1228.4	1299.0
-42.5°	368.3	436.7	514.7	601.7	700.8	799.5	897.7	989.6	1075.8	1152.2	1222.0
-45°	340.1	399.7	464.6	545.2	630.5	722.7	814.9	905.5	989.6	1069.0	1138.4
-47.5°	310.8	362.9	422.8	486.9	563.7	645.0	730.1	814.9	897.7	974.5	1048.1
-50°	282.0	329.8	379.7	436.8	499.1	569.9	645.0	722.7	799.5	874.5	944.6
-52.5°	257.2	295.6	341.2	388.9	441.5	499.1	563.7	630.5	700.8	769.1	836.1
-55°	231.7	266.2	303.2	345.1	388.9	436.8	486.9	545.2	601.7	664.6	724.8
-57.5°	209.6	237.7	269.2	303.2	341.2	379.7	422.8	464.6	514.7	564.8	614.6
-60°	189.2	211.8	237.7	266.2	295.6	329.8	362.9	399.7	436.7	472.5	516.4
-62.5°	168.9	189.2	209.6	231.7	257.2	282.0	310.8	340.1	368.3	400.1	431.0
-65°	150.2	166.9	184.7	202.8	220.5	242.4	264.2	285.2	310.0	334.5	357.8
-67.5°	131.1	146.2	161.0	175.8	191.7	207.1	222.0	240.7	258.9	276.3	294.0
-70°	111.0	125.2	138.4	151.2	163.7	176.2	189.4	202.2	214.4	227.3	241.9
-72.5°	90.5	102.9	115.0	126.7	137.7	148.2	158.4	168.3	178.4	188.6	198.3
-75°	70.9	80.5	90.8	100.9	110.7	120.1	129.2	137.6	145.7	153.4	160.7
-77.5°	51.9	59.9	67.8	75.4	82.9	90.8	98.5	105.8	112.8	119.5	125.9
-80°	34.9	39.3	45.5	51.6	57.5	63.2	68.8	74.1	79.2	84.3	89.4
-82.5°	21.6	25.0	28.2	31.3	34.4	37.3	40.5	44.5	48.3	51.9	55.4
-85°	9.8	10.6	12.7	14.8	16.9	18.8	20.7	22.5	24.3	26.0	27.5
-87.5°	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.5	7.8	8.1	8.4
-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: P645328 (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°	8.7	8.9	9.2	9.4	9.6	9.8	10.0	10.1	10.2	10.3	10.4
85°	29.0	30.4	31.7	33.0	34.1	35.1	36.0	36.8	37.5	38.1	38.6
82.5°	58.7	61.7	64.6	67.3	69.7	71.9	73.9	75.7	77.3	78.6	79.7
80°	94.2	98.7	102.9	106.8	110.5	113.7	116.7	119.3	121.6	123.6	125.2
77.5°	131.8	137.2	142.2	146.9	151.2	155.1	158.7	161.8	164.6	166.9	168.8
75°	167.6	174.4	181.3	187.7	193.6	198.9	203.8	208.1	211.8	215.0	217.6
72.5°	207.5	216.1	224.8	234.7	243.8	252.1	259.6	266.2	272.0	276.9	281.0
70°	255.8	268.8	281.1	293.5	306.8	318.9	329.8	339.4	347.9	355.1	361.0
67.5°	313.8	332.5	350.0	366.3	383.2	399.7	414.5	427.7	439.2	449.0	457.0
65°	381.7	406.7	430.2	452.1	472.5	496.3	517.9	537.1	553.8	568.0	579.7
62.5°	460.4	493.1	526.8	558.2	587.2	615.8	643.6	668.4	690.0	708.4	723.6
60°	558.2	597.7	640.2	680.4	717.5	751.5	783.2	811.4	836.1	857.1	874.5
57.5°	667.4	717.5	765.0	810.3	852.3	890.8	924.7	954.4	980.3	1002.5	1020.7
55°	783.2	839.3	892.1	939.9	983.7	1023.8	1059.4	1088.1	1113.3	1134.8	1152.5
52.5°	900.0	958.3	1013.0	1062.9	1105.0	1143.6	1178.7	1207.6	1232.4	1253.6	1271.1
50°	1010.3	1070.6	1122.8	1171.8	1214.1	1252.0	1286.4	1315.7	1340.1	1361.0	1378.2
47.5°	1111.1	1170.4	1222.5	1270.2	1313.4	1350.3	1384.0	1413.7	1438.1	1459.0	1476.3
45°	1203.0	1260.4	1313.6	1359.9	1403.0	1440.2	1473.7	1503.7	1527.1	1546.8	1563.0
42.5°	1286.1	1343.0	1395.5	1442.3	1484.9	1522.2	1553.4	1581.5	1604.4	1622.8	1638.0
40°	1360.8	1418.9	1470.5	1517.7	1557.4	1593.9	1622.9	1649.1	1671.4	1688.9	1703.4
37.5°	1430.1	1487.7	1537.9	1583.1	1620.9	1654.9	1683.6	1708.4	1730.2	1746.5	1760.0
35°	1493.5	1548.2	1597.9	1639.3	1676.8	1708.7	1737.0	1759.9	1780.2	1795.7	1808.0
32.5°	1548.2	1602.4	1648.6	1689.3	1725.9	1755.8	1782.9	1803.8	1822.3	1837.2	1848.6
30°	1597.9	1648.6	1693.6	1733.9	1767.3	1796.3	1820.7	1841.2	1858.2	1872.4	1882.5
27.5°	1639.3	1689.3	1733.9	1771.1	1803.0	1831.0	1853.4	1873.1	1888.0	1901.0	1909.7
25°	1676.8	1725.9	1767.3	1803.0	1834.0	1859.6	1880.8	1898.7	1911.9	1923.0	1929.5
22.5°	1708.7	1755.8	1796.3	1831.0	1859.6	1883.5	1903.5	1918.6	1929.4	1936.1	1940.0
20°	1737.0	1782.9	1820.7	1853.4	1880.8	1903.5	1920.9	1932.0	1939.6	1941.4	1942.5
17.5°	1759.9	1803.8	1841.2	1873.1	1898.7	1918.6	1932.0	1939.9	1942.2	1941.8	1940.7
15°	1780.2	1822.3	1858.2	1888.0	1911.9	1929.4	1939.6	1942.2	1941.5	1939.2	1935.7
12.5°	1795.7	1837.2	1872.4	1901.0	1923.0	1936.1	1941.4	1941.8	1939.2	1934.9	1929.9
10°	1808.0	1848.6	1882.5	1909.7	1929.5	1940.0	1942.5	1940.7	1935.7	1929.9	1924.4
7.5°	1817.8	1857.7	1890.5	1916.6	1933.7	1941.1	1941.7	1938.2	1932.3	1925.7	1919.8
5°	1824.8	1864.3	1896.4	1921.6	1936.8	1942.0	1941.1	1936.2	1929.4	1922.5	1917.1
2.5°	1829.1	1868.3	1899.9	1924.7	1938.7	1942.5	1940.7	1935.0	1927.6	1920.5	1915.3
0°	1830.5	1869.6	1901.1	1925.7	1939.3	1942.7	1940.6	1934.6	1927.0	1919.8	1914.7
-2.5°	1829.1	1868.3	1899.9	1924.7	1938.7	1942.5	1940.7	1935.0	1927.6	1920.5	1915.3
-5°	1824.8	1864.3	1896.4	1921.6	1936.8	1942.0	1941.1	1936.2	1929.4	1922.5	1917.1
-7.5°	1817.8	1857.7	1890.5	1916.6	1933.7	1941.1	1941.7	1938.2	1932.3	1925.7	1919.8
-10°	1808.0	1848.6	1882.5	1909.7	1929.5	1940.0	1942.5	1940.7	1935.7	1929.9	1924.4
-12.5°	1795.7	1837.2	1872.4	1901.0	1923.0	1936.1	1941.4	1941.8	1939.2	1934.9	1929.9
-15°	1780.2	1822.3	1858.2	1888.0	1911.9	1929.4	1939.6	1942.2	1941.5	1939.2	1935.7
-17.5°	1759.9	1803.8	1841.2	1873.1	1898.7	1918.6	1932.0	1939.9	1942.2	1941.8	1940.7
-20°	1737.0	1782.9	1820.7	1853.4	1880.8	1903.5	1920.9	1932.0	1939.6	1941.4	1942.5

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

Scaled Data Report



REPORT NUMBER: P645328 (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°	1708.7	1755.8	1796.3	1831.0	1859.6	1883.5	1903.5	1918.6	1929.4	1936.1	1940.0
-25°	1676.8	1725.9	1767.3	1803.0	1834.0	1859.6	1880.8	1898.7	1911.9	1923.0	1929.5
-27.5°	1639.3	1689.3	1733.9	1771.1	1803.0	1831.0	1853.4	1873.1	1888.0	1901.0	1909.7
-30°	1597.9	1648.6	1693.6	1733.9	1767.3	1796.3	1820.7	1841.2	1858.2	1872.4	1882.5
-32.5°	1548.2	1602.4	1648.6	1689.3	1725.9	1755.8	1782.9	1803.8	1822.3	1837.2	1848.6
-35°	1493.5	1548.2	1597.9	1639.3	1676.8	1708.7	1737.0	1759.9	1780.2	1795.7	1808.0
-37.5°	1430.1	1487.7	1537.9	1583.1	1620.9	1654.9	1683.6	1708.4	1730.2	1746.5	1760.0
-40°	1360.8	1418.9	1470.5	1517.7	1557.4	1593.9	1622.9	1649.1	1671.4	1688.9	1703.4
-42.5°	1286.1	1343.0	1395.5	1442.3	1484.9	1522.2	1553.4	1581.5	1604.4	1622.8	1638.0
-45°	1203.0	1260.4	1313.6	1359.9	1403.0	1440.2	1473.7	1503.7	1527.1	1546.8	1563.0
-47.5°	1111.1	1170.4	1222.5	1270.2	1313.4	1350.3	1384.0	1413.7	1438.1	1459.0	1476.3
-50°	1010.3	1070.6	1122.8	1171.8	1214.1	1252.0	1286.4	1315.7	1340.1	1361.0	1378.2
-52.5°	900.0	958.3	1013.0	1062.9	1105.0	1143.6	1178.7	1207.6	1232.4	1253.6	1271.1
-55°	783.2	839.3	892.1	939.9	983.7	1023.8	1059.4	1088.1	1113.3	1134.8	1152.5
-57.5°	667.4	717.5	765.0	810.3	852.3	890.8	924.7	954.4	980.3	1002.5	1020.7
-60°	558.2	597.7	640.2	680.4	717.5	751.5	783.2	811.4	836.1	857.1	874.5
-62.5°	460.4	493.1	526.8	558.2	587.2	615.8	643.6	668.4	690.0	708.4	723.6
-65°	381.7	406.7	430.2	452.1	472.5	496.3	517.9	537.1	553.8	568.0	579.7
-67.5°	313.8	332.5	350.0	366.3	383.2	399.7	414.5	427.7	439.2	449.0	457.0
-70°	255.8	268.8	281.1	293.5	306.8	318.9	329.8	339.4	347.9	355.1	361.0
-72.5°	207.5	216.1	224.8	234.7	243.8	252.1	259.6	266.2	272.0	276.9	281.0
-75°	167.6	174.4	181.3	187.7	193.6	198.9	203.8	208.1	211.8	215.0	217.6
-77.5°	131.8	137.2	142.2	146.9	151.2	155.1	158.7	161.8	164.6	166.9	168.8
-80°	94.2	98.7	102.9	106.8	110.5	113.7	116.7	119.3	121.6	123.6	125.2
-82.5°	58.7	61.7	64.6	67.3	69.7	71.9	73.9	75.7	77.3	78.6	79.7
-85°	29.0	30.4	31.7	33.0	34.1	35.1	36.0	36.8	37.5	38.1	38.6
-87.5°	8.7	8.9	9.2	9.4	9.6	9.8	10.0	10.1	10.2	10.3	10.4
-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: P645328 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.1
85°	39.0	39.3	39.4	39.5	39.4	39.3	39.0	38.6	38.1	37.5	36.8
82.5°	80.5	81.1	81.5	81.6	81.5	81.1	80.5	79.7	78.6	77.3	75.7
80°	126.4	127.3	127.8	128.0	127.8	127.3	126.4	125.2	123.6	121.6	119.3
77.5°	170.3	171.3	172.0	172.2	172.0	171.3	170.3	168.8	166.9	164.6	161.8
75°	219.7	221.1	222.0	222.3	222.0	221.1	219.7	217.6	215.0	211.8	208.1
72.5°	284.1	286.4	287.7	288.2	287.7	286.4	284.1	281.0	276.9	272.0	266.2
70°	365.6	368.9	370.8	371.5	370.8	368.9	365.6	361.0	355.1	347.9	339.4
67.5°	463.3	467.8	470.5	471.4	470.5	467.8	463.3	457.0	449.0	439.2	427.7
65°	588.9	595.4	599.4	600.7	599.4	595.4	588.9	579.7	568.0	553.8	537.1
62.5°	735.4	743.9	749.0	750.7	749.0	743.9	735.4	723.6	708.4	690.0	668.4
60°	888.0	897.7	903.6	905.5	903.6	897.7	888.0	874.5	857.1	836.1	811.4
57.5°	1035.0	1045.2	1051.3	1053.4	1051.3	1045.2	1035.0	1020.7	1002.5	980.3	954.4
55°	1166.4	1176.3	1182.3	1184.3	1182.3	1176.3	1166.4	1152.5	1134.8	1113.3	1088.1
52.5°	1284.8	1294.6	1300.5	1302.5	1300.5	1294.6	1284.8	1271.1	1253.6	1232.4	1207.6
50°	1391.7	1401.4	1407.2	1409.2	1407.2	1401.4	1391.7	1378.2	1361.0	1340.1	1315.7
47.5°	1489.8	1499.6	1505.4	1507.4	1505.4	1499.6	1489.8	1476.3	1459.0	1438.1	1413.7
45°	1575.8	1585.0	1590.5	1592.4	1590.5	1585.0	1575.8	1563.0	1546.8	1527.1	1503.7
42.5°	1650.0	1658.6	1663.9	1665.6	1663.9	1658.6	1650.0	1638.0	1622.8	1604.4	1581.5
40°	1714.8	1723.1	1728.0	1729.7	1728.0	1723.1	1714.8	1703.4	1688.9	1671.4	1649.1
37.5°	1770.7	1778.4	1783.0	1784.6	1783.0	1778.4	1770.7	1760.0	1746.5	1730.2	1708.4
35°	1817.8	1824.8	1829.1	1830.5	1829.1	1824.8	1817.8	1808.0	1795.7	1780.2	1759.9
32.5°	1857.7	1864.3	1868.3	1869.6	1868.3	1864.3	1857.7	1848.6	1837.2	1822.3	1803.8
30°	1890.5	1896.4	1899.9	1901.1	1899.9	1896.4	1890.5	1882.5	1872.4	1858.2	1841.2
27.5°	1916.6	1921.6	1924.7	1925.7	1924.7	1921.6	1916.6	1909.7	1901.0	1888.0	1873.1
25°	1933.7	1936.8	1938.7	1939.3	1938.7	1936.8	1933.7	1929.5	1923.0	1911.9	1898.7
22.5°	1941.1	1942.0	1942.5	1942.7	1942.5	1942.0	1941.1	1940.0	1936.1	1929.4	1918.6
20°	1941.7	1941.1	1940.7	1940.6	1940.7	1941.1	1941.7	1942.5	1941.4	1939.6	1932.0
17.5°	1938.2	1936.2	1935.0	1934.6	1935.0	1936.2	1938.2	1940.7	1941.8	1942.2	1939.9
15°	1932.3	1929.4	1927.6	1927.0	1927.6	1929.4	1932.3	1935.7	1939.2	1941.5	1942.2
12.5°	1925.7	1922.5	1920.5	1919.8	1920.5	1922.5	1925.7	1929.9	1934.9	1939.2	1941.8
10°	1919.8	1917.1	1915.3	1914.7	1915.3	1917.1	1919.8	1924.4	1929.9	1935.7	1940.7
7.5°	1915.9	1913.5	1912.2	1911.7	1912.2	1913.5	1915.9	1919.8	1925.7	1932.3	1938.2
5°	1913.5	1911.1	1909.1	1908.3	1909.1	1911.1	1913.5	1917.1	1922.5	1929.4	1936.2
2.5°	1912.2	1909.1	1906.1	1904.5	1906.1	1909.1	1912.2	1915.3	1920.5	1927.6	1935.0
0°	1911.7	1908.3	1904.5	1904.9	1904.5	1908.3	1911.7	1914.7	1919.8	1927.0	1934.6
-2.5°	1912.2	1909.1	1906.1	1904.5	1906.1	1909.1	1912.2	1915.3	1920.5	1927.6	1935.0
-5°	1913.5	1911.1	1909.1	1908.3	1909.1	1911.1	1913.5	1917.1	1922.5	1929.4	1936.2
-7.5°	1915.9	1913.5	1912.2	1911.7	1912.2	1913.5	1915.9	1919.8	1925.7	1932.3	1938.2
-10°	1919.8	1917.1	1915.3	1914.7	1915.3	1917.1	1919.8	1924.4	1929.9	1935.7	1940.7
-12.5°	1925.7	1922.5	1920.5	1919.8	1920.5	1922.5	1925.7	1929.9	1934.9	1939.2	1941.8
-15°	1932.3	1929.4	1927.6	1927.0	1927.6	1929.4	1932.3	1935.7	1939.2	1941.5	1942.2
-17.5°	1938.2	1936.2	1935.0	1934.6	1935.0	1936.2	1938.2	1940.7	1941.8	1942.2	1939.9
-20°	1941.7	1941.1	1940.7	1940.6	1940.7	1941.1	1941.7	1942.5	1941.4	1939.6	1932.0

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

Scaled Data Report



REPORT NUMBER: P645328 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-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°	1941.1	1942.0	1942.5	1942.7	1942.5	1942.0	1941.1	1940.0	1936.1	1929.4	1918.6
-25°	1933.7	1936.8	1938.7	1939.3	1938.7	1936.8	1933.7	1929.5	1923.0	1911.9	1898.7
-27.5°	1916.6	1921.6	1924.7	1925.7	1924.7	1921.6	1916.6	1909.7	1901.0	1888.0	1873.1
-30°	1890.5	1896.4	1899.9	1901.1	1899.9	1896.4	1890.5	1882.5	1872.4	1858.2	1841.2
-32.5°	1857.7	1864.3	1868.3	1869.6	1868.3	1864.3	1857.7	1848.6	1837.2	1822.3	1803.8
-35°	1817.8	1824.8	1829.1	1830.5	1829.1	1824.8	1817.8	1808.0	1795.7	1780.2	1759.9
-37.5°	1770.7	1778.4	1783.0	1784.6	1783.0	1778.4	1770.7	1760.0	1746.5	1730.2	1708.4
-40°	1714.8	1723.1	1728.0	1729.7	1728.0	1723.1	1714.8	1703.4	1688.9	1671.4	1649.1
-42.5°	1650.0	1658.6	1663.9	1665.6	1663.9	1658.6	1650.0	1638.0	1622.8	1604.4	1581.5
-45°	1575.8	1585.0	1590.5	1592.4	1590.5	1585.0	1575.8	1563.0	1546.8	1527.1	1503.7
-47.5°	1489.8	1499.6	1505.4	1507.4	1505.4	1499.6	1489.8	1476.3	1459.0	1438.1	1413.7
-50°	1391.7	1401.4	1407.2	1409.2	1407.2	1401.4	1391.7	1378.2	1361.0	1340.1	1315.7
-52.5°	1284.8	1294.6	1300.5	1302.5	1300.5	1294.6	1284.8	1271.1	1253.6	1232.4	1207.6
-55°	1166.4	1176.3	1182.3	1184.3	1182.3	1176.3	1166.4	1152.5	1134.8	1113.3	1088.1
-57.5°	1035.0	1045.2	1051.3	1053.4	1051.3	1045.2	1035.0	1020.7	1002.5	980.3	954.4
-60°	888.0	897.7	903.6	905.5	903.6	897.7	888.0	874.5	857.1	836.1	811.4
-62.5°	735.4	743.9	749.0	750.7	749.0	743.9	735.4	723.6	708.4	690.0	668.4
-65°	588.9	595.4	599.4	600.7	599.4	595.4	588.9	579.7	568.0	553.8	537.1
-67.5°	463.3	467.8	470.5	471.4	470.5	467.8	463.3	457.0	449.0	439.2	427.7
-70°	365.6	368.9	370.8	371.5	370.8	368.9	365.6	361.0	355.1	347.9	339.4
-72.5°	284.1	286.4	287.7	288.2	287.7	286.4	284.1	281.0	276.9	272.0	266.2
-75°	219.7	221.1	222.0	222.3	222.0	221.1	219.7	217.6	215.0	211.8	208.1
-77.5°	170.3	171.3	172.0	172.2	172.0	171.3	170.3	168.8	166.9	164.6	161.8
-80°	126.4	127.3	127.8	128.0	127.8	127.3	126.4	125.2	123.6	121.6	119.3
-82.5°	80.5	81.1	81.5	81.6	81.5	81.1	80.5	79.7	78.6	77.3	75.7
-85°	39.0	39.3	39.4	39.5	39.4	39.3	39.0	38.6	38.1	37.5	36.8
-87.5°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.1
-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: P645328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-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°	10.0	9.8	9.6	9.4	9.2	8.9	8.7	8.4	8.1	7.8	7.5
85°	36.0	35.1	34.1	33.0	31.7	30.4	29.0	27.5	26.0	24.3	22.5
82.5°	73.9	71.9	69.7	67.3	64.6	61.7	58.7	55.4	51.9	48.3	44.5
80°	116.7	113.7	110.5	106.8	102.9	98.7	94.2	89.4	84.3	79.2	74.1
77.5°	158.7	155.1	151.2	146.9	142.2	137.2	131.8	125.9	119.5	112.8	105.8
75°	203.8	198.9	193.6	187.7	181.3	174.4	167.6	160.7	153.4	145.7	137.6
72.5°	259.6	252.1	243.8	234.7	224.8	216.1	207.5	198.3	188.6	178.4	168.3
70°	329.8	318.9	306.8	293.5	281.1	268.8	255.8	241.9	227.3	214.4	202.2
67.5°	414.5	399.7	383.2	366.3	350.0	332.5	313.8	294.0	276.3	258.9	240.7
65°	517.9	496.3	472.5	452.1	430.2	406.7	381.7	357.8	334.5	310.0	285.2
62.5°	643.6	615.8	587.2	558.2	526.8	493.1	460.4	431.0	400.1	368.3	340.1
60°	783.2	751.5	717.5	680.4	640.2	597.7	558.2	516.4	472.5	436.7	399.7
57.5°	924.7	890.8	852.3	810.3	765.0	717.5	667.4	614.6	564.8	514.7	464.6
55°	1059.4	1023.8	983.7	939.9	892.1	839.3	783.2	724.8	664.6	601.7	545.2
52.5°	1178.7	1143.6	1105.0	1062.9	1013.0	958.3	900.0	836.1	769.1	700.8	630.5
50°	1286.4	1252.0	1214.1	1171.8	1122.8	1070.6	1010.3	944.6	874.5	799.5	722.7
47.5°	1384.0	1350.3	1313.4	1270.2	1222.5	1170.4	1111.1	1048.1	974.5	897.7	814.9
45°	1473.7	1440.2	1403.0	1359.9	1313.6	1260.4	1203.0	1138.4	1069.0	989.6	905.5
42.5°	1553.4	1522.2	1484.9	1442.3	1395.5	1343.0	1286.1	1222.0	1152.2	1075.8	989.6
40°	1622.9	1593.9	1557.4	1517.7	1470.5	1418.9	1360.8	1299.0	1228.4	1152.2	1069.0
37.5°	1683.6	1654.9	1620.9	1583.1	1537.9	1487.7	1430.1	1366.8	1299.0	1222.0	1138.4
35°	1737.0	1708.7	1676.8	1639.3	1597.9	1548.2	1493.5	1430.1	1360.8	1286.1	1203.0
32.5°	1782.9	1755.8	1725.9	1689.3	1648.6	1602.4	1548.2	1487.7	1418.9	1343.0	1260.4
30°	1820.7	1796.3	1767.3	1733.9	1693.6	1648.6	1597.9	1537.9	1470.5	1395.5	1313.6
27.5°	1853.4	1831.0	1803.0	1771.1	1733.9	1689.3	1639.3	1583.1	1517.7	1442.3	1359.9
25°	1880.8	1859.6	1834.0	1803.0	1767.3	1725.9	1676.8	1620.9	1557.4	1484.9	1403.0
22.5°	1903.5	1883.5	1859.6	1831.0	1796.3	1755.8	1708.7	1654.9	1593.9	1522.2	1440.2
20°	1920.9	1903.5	1880.8	1853.4	1820.7	1782.9	1737.0	1683.6	1622.9	1553.4	1473.7
17.5°	1932.0	1918.6	1898.7	1873.1	1841.2	1803.8	1759.9	1708.4	1649.1	1581.5	1503.7
15°	1939.6	1929.4	1911.9	1888.0	1858.2	1822.3	1780.2	1730.2	1671.4	1604.4	1527.1
12.5°	1941.4	1936.1	1923.0	1901.0	1872.4	1837.2	1795.7	1746.5	1688.9	1622.8	1546.8
10°	1942.5	1940.0	1929.5	1909.7	1882.5	1848.6	1808.0	1760.0	1703.4	1638.0	1563.0
7.5°	1941.7	1941.1	1933.7	1916.6	1890.5	1857.7	1817.8	1770.7	1714.8	1650.0	1575.8
5°	1941.1	1942.0	1936.8	1921.6	1896.4	1864.3	1824.8	1778.4	1723.1	1658.6	1585.0
2.5°	1940.7	1942.5	1938.7	1924.7	1899.9	1868.3	1829.1	1783.0	1728.0	1663.9	1590.5
0°	1940.6	1942.7	1939.3	1925.7	1901.1	1869.6	1830.5	1784.6	1729.7	1665.6	1592.4
-2.5°	1940.7	1942.5	1938.7	1924.7	1899.9	1868.3	1829.1	1783.0	1728.0	1663.9	1590.5
-5°	1941.1	1942.0	1936.8	1921.6	1896.4	1864.3	1824.8	1778.4	1723.1	1658.6	1585.0
-7.5°	1941.7	1941.1	1933.7	1916.6	1890.5	1857.7	1817.8	1770.7	1714.8	1650.0	1575.8
-10°	1942.5	1940.0	1929.5	1909.7	1882.5	1848.6	1808.0	1760.0	1703.4	1638.0	1563.0
-12.5°	1941.4	1936.1	1923.0	1901.0	1872.4	1837.2	1795.7	1746.5	1688.9	1622.8	1546.8
-15°	1939.6	1929.4	1911.9	1888.0	1858.2	1822.3	1780.2	1730.2	1671.4	1604.4	1527.1
-17.5°	1932.0	1918.6	1898.7	1873.1	1841.2	1803.8	1759.9	1708.4	1649.1	1581.5	1503.7
-20°	1920.9	1903.5	1880.8	1853.4	1820.7	1782.9	1737.0	1683.6	1622.9	1553.4	1473.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645328 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1C-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1903.5	1883.5	1859.6	1831.0	1796.3	1755.8	1708.7	1654.9	1593.9	1522.2	1440.2
-25°	1880.8	1859.6	1834.0	1803.0	1767.3	1725.9	1676.8	1620.9	1557.4	1484.9	1403.0
-27.5°	1853.4	1831.0	1803.0	1771.1	1733.9	1689.3	1639.3	1583.1	1517.7	1442.3	1359.9
-30°	1820.7	1796.3	1767.3	1733.9	1693.6	1648.6	1597.9	1537.9	1470.5	1395.5	1313.6
-32.5°	1782.9	1755.8	1725.9	1689.3	1648.6	1602.4	1548.2	1487.7	1418.9	1343.0	1260.4
-35°	1737.0	1708.7	1676.8	1639.3	1597.9	1548.2	1493.5	1430.1	1360.8	1286.1	1203.0
-37.5°	1683.6	1654.9	1620.9	1583.1	1537.9	1487.7	1430.1	1366.8	1299.0	1222.0	1138.4
-40°	1622.9	1593.9	1557.4	1517.7	1470.5	1418.9	1360.8	1299.0	1228.4	1152.2	1069.0
-42.5°	1553.4	1522.2	1484.9	1442.3	1395.5	1343.0	1286.1	1222.0	1152.2	1075.8	989.6
-45°	1473.7	1440.2	1403.0	1359.9	1313.6	1260.4	1203.0	1138.4	1069.0	989.6	905.5
-47.5°	1384.0	1350.3	1313.4	1270.2	1222.5	1170.4	1111.1	1048.1	974.5	897.7	814.9
-50°	1286.4	1252.0	1214.1	1171.8	1122.8	1070.6	1010.3	944.6	874.5	799.5	722.7
-52.5°	1178.7	1143.6	1105.0	1062.9	1013.0	958.3	900.0	836.1	769.1	700.8	630.5
-55°	1059.4	1023.8	983.7	939.9	892.1	839.3	783.2	724.8	664.6	601.7	545.2
-57.5°	924.7	890.8	852.3	810.3	765.0	717.5	667.4	614.6	564.8	514.7	464.6
-60°	783.2	751.5	717.5	680.4	640.2	597.7	558.2	516.4	472.5	436.7	399.7
-62.5°	643.6	615.8	587.2	558.2	526.8	493.1	460.4	431.0	400.1	368.3	340.1
-65°	517.9	496.3	472.5	452.1	430.2	406.7	381.7	357.8	334.5	310.0	285.2
-67.5°	414.5	399.7	383.2	366.3	350.0	332.5	313.8	294.0	276.3	258.9	240.7
-70°	329.8	318.9	306.8	293.5	281.1	268.8	255.8	241.9	227.3	214.4	202.2
-72.5°	259.6	252.1	243.8	234.7	224.8	216.1	207.5	198.3	188.6	178.4	168.3
-75°	203.8	198.9	193.6	187.7	181.3	174.4	167.6	160.7	153.4	145.7	137.6
-77.5°	158.7	155.1	151.2	146.9	142.2	137.2	131.8	125.9	119.5	112.8	105.8
-80°	116.7	113.7	110.5	106.8	102.9	98.7	94.2	89.4	84.3	79.2	74.1
-82.5°	73.9	71.9	69.7	67.3	64.6	61.7	58.7	55.4	51.9	48.3	44.5
-85°	36.0	35.1	34.1	33.0	31.7	30.4	29.0	27.5	26.0	24.3	22.5
-87.5°	10.0	9.8	9.6	9.4	9.2	8.9	8.7	8.4	8.1	7.8	7.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-740-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°	7.2	6.8	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.6	3.2
85°	20.7	18.8	16.9	14.8	12.7	10.6	9.8	9.0	8.1	7.2	6.4
82.5°	40.5	37.3	34.4	31.3	28.2	25.0	21.6	18.3	14.8	11.3	9.5
80°	68.8	63.2	57.5	51.6	45.5	39.3	34.9	30.4	25.7	21.1	16.3
77.5°	98.5	90.8	82.9	75.4	67.8	59.9	51.9	43.7	36.6	30.8	24.8
75°	129.2	120.1	110.7	100.9	90.8	80.5	70.9	61.0	51.0	40.8	33.3
72.5°	158.4	148.2	137.7	126.7	115.0	102.9	90.5	78.3	66.6	54.7	42.7
70°	189.4	176.2	163.7	151.2	138.4	125.2	111.0	96.6	82.0	68.4	54.7
67.5°	222.0	207.1	191.7	175.8	161.0	146.2	131.1	115.1	98.7	82.0	66.6
65°	264.2	242.4	220.5	202.8	184.7	166.9	150.2	133.1	115.1	96.6	78.3
62.5°	310.8	282.0	257.2	231.7	209.6	189.2	168.9	150.2	131.1	111.0	90.5
60°	362.9	329.8	295.6	266.2	237.7	211.8	189.2	166.9	146.2	125.2	102.9
57.5°	422.8	379.7	341.2	303.2	269.2	237.7	209.6	184.7	161.0	138.4	115.0
55°	486.9	436.8	388.9	345.1	303.2	266.2	231.7	202.8	175.8	151.2	126.7
52.5°	563.7	499.1	441.5	388.9	341.2	295.6	257.2	220.5	191.7	163.7	137.7
50°	645.0	569.9	499.1	436.8	379.7	329.8	282.0	242.4	207.1	176.2	148.2
47.5°	730.1	645.0	563.7	486.9	422.8	362.9	310.8	264.2	222.0	189.4	158.4
45°	814.9	722.7	630.5	545.2	464.6	399.7	340.1	285.2	240.7	202.2	168.3
42.5°	897.7	799.5	700.8	601.7	514.7	436.7	368.3	310.0	258.9	214.4	178.4
40°	974.5	874.5	769.1	664.6	564.8	472.5	400.1	334.5	276.3	227.3	188.6
37.5°	1048.1	944.6	836.1	724.8	614.6	516.4	431.0	357.8	294.0	241.9	198.3
35°	1111.1	1010.3	900.0	783.2	667.4	558.2	460.4	381.7	313.8	255.8	207.5
32.5°	1170.4	1070.6	958.3	839.3	717.5	597.7	493.1	406.7	332.5	268.8	216.1
30°	1222.5	1122.8	1013.0	892.1	765.0	640.2	526.8	430.2	350.0	281.1	224.8
27.5°	1270.2	1171.8	1062.9	939.9	810.3	680.4	558.2	452.1	366.3	293.5	234.7
25°	1313.4	1214.1	1105.0	983.7	852.3	717.5	587.2	472.5	383.2	306.8	243.8
22.5°	1350.3	1252.0	1143.6	1023.8	890.8	751.5	615.8	496.3	399.7	318.9	252.1
20°	1384.0	1286.4	1178.7	1059.4	924.7	783.2	643.6	517.9	414.5	329.8	259.6
17.5°	1413.7	1315.7	1207.6	1088.1	954.4	811.4	668.4	537.1	427.7	339.4	266.2
15°	1438.1	1340.1	1232.4	1113.3	980.3	836.1	690.0	553.8	439.2	347.9	272.0
12.5°	1459.0	1361.0	1253.6	1134.8	1002.5	857.1	708.4	568.0	449.0	355.1	276.9
10°	1476.3	1378.2	1271.1	1152.5	1020.7	874.5	723.6	579.7	457.0	361.0	281.0
7.5°	1489.8	1391.7	1284.8	1166.4	1035.0	888.0	735.4	588.9	463.3	365.6	284.1
5°	1499.6	1401.4	1294.6	1176.3	1045.2	897.7	743.9	595.4	467.8	368.9	286.4
2.5°	1505.4	1407.2	1300.5	1182.3	1051.3	903.6	749.0	599.4	470.5	370.8	287.7
0°	1507.4	1409.2	1302.5	1184.3	1053.4	905.5	750.7	600.7	471.4	371.5	288.2
-2.5°	1505.4	1407.2	1300.5	1182.3	1051.3	903.6	749.0	599.4	470.5	370.8	287.7
-5°	1499.6	1401.4	1294.6	1176.3	1045.2	897.7	743.9	595.4	467.8	368.9	286.4
-7.5°	1489.8	1391.7	1284.8	1166.4	1035.0	888.0	735.4	588.9	463.3	365.6	284.1
-10°	1476.3	1378.2	1271.1	1152.5	1020.7	874.5	723.6	579.7	457.0	361.0	281.0
-12.5°	1459.0	1361.0	1253.6	1134.8	1002.5	857.1	708.4	568.0	449.0	355.1	276.9
-15°	1438.1	1340.1	1232.4	1113.3	980.3	836.1	690.0	553.8	439.2	347.9	272.0
-17.5°	1413.7	1315.7	1207.6	1088.1	954.4	811.4	668.4	537.1	427.7	339.4	266.2
-20°	1384.0	1286.4	1178.7	1059.4	924.7	783.2	643.6	517.9	414.5	329.8	259.6



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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°	1350.3	1252.0	1143.6	1023.8	890.8	751.5	615.8	496.3	399.7	318.9	252.1
-25°	1313.4	1214.1	1105.0	983.7	852.3	717.5	587.2	472.5	383.2	306.8	243.8
-27.5°	1270.2	1171.8	1062.9	939.9	810.3	680.4	558.2	452.1	366.3	293.5	234.7
-30°	1222.5	1122.8	1013.0	892.1	765.0	640.2	526.8	430.2	350.0	281.1	224.8
-32.5°	1170.4	1070.6	958.3	839.3	717.5	597.7	493.1	406.7	332.5	268.8	216.1
-35°	1111.1	1010.3	900.0	783.2	667.4	558.2	460.4	381.7	313.8	255.8	207.5
-37.5°	1048.1	944.6	836.1	724.8	614.6	516.4	431.0	357.8	294.0	241.9	198.3
-40°	974.5	874.5	769.1	664.6	564.8	472.5	400.1	334.5	276.3	227.3	188.6
-42.5°	897.7	799.5	700.8	601.7	514.7	436.7	368.3	310.0	258.9	214.4	178.4
-45°	814.9	722.7	630.5	545.2	464.6	399.7	340.1	285.2	240.7	202.2	168.3
-47.5°	730.1	645.0	563.7	486.9	422.8	362.9	310.8	264.2	222.0	189.4	158.4
-50°	645.0	569.9	499.1	436.8	379.7	329.8	282.0	242.4	207.1	176.2	148.2
-52.5°	563.7	499.1	441.5	388.9	341.2	295.6	257.2	220.5	191.7	163.7	137.7
-55°	486.9	436.8	388.9	345.1	303.2	266.2	231.7	202.8	175.8	151.2	126.7
-57.5°	422.8	379.7	341.2	303.2	269.2	237.7	209.6	184.7	161.0	138.4	115.0
-60°	362.9	329.8	295.6	266.2	237.7	211.8	189.2	166.9	146.2	125.2	102.9
-62.5°	310.8	282.0	257.2	231.7	209.6	189.2	168.9	150.2	131.1	111.0	90.5
-65°	264.2	242.4	220.5	202.8	184.7	166.9	150.2	133.1	115.1	96.6	78.3
-67.5°	222.0	207.1	191.7	175.8	161.0	146.2	131.1	115.1	98.7	82.0	66.6
-70°	189.4	176.2	163.7	151.2	138.4	125.2	111.0	96.6	82.0	68.4	54.7
-72.5°	158.4	148.2	137.7	126.7	115.0	102.9	90.5	78.3	66.6	54.7	42.7
-75°	129.2	120.1	110.7	100.9	90.8	80.5	70.9	61.0	51.0	40.8	33.3
-77.5°	98.5	90.8	82.9	75.4	67.8	59.9	51.9	43.7	36.6	30.8	24.8
-80°	68.8	63.2	57.5	51.6	45.5	39.3	34.9	30.4	25.7	21.1	16.3
-82.5°	40.5	37.3	34.4	31.3	28.2	25.0	21.6	18.3	14.8	11.3	9.5
-85°	20.7	18.8	16.9	14.8	12.7	10.6	9.8	9.0	8.1	7.2	6.4
-87.5°	7.2	6.8	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.6	3.2
-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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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°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
85°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
82.5°	8.2	6.9	5.5	4.1	2.8	1.4	0.0
80°	11.5	9.1	7.3	5.5	3.7	1.8	0.0
77.5°	18.8	12.7	9.1	6.9	4.6	2.3	0.0
75°	26.1	18.8	11.5	8.2	5.5	2.7	0.0
72.5°	33.3	24.8	16.3	9.5	6.4	3.2	0.0
70°	40.8	30.8	21.1	11.3	7.2	3.6	0.0
67.5°	51.0	36.6	25.7	14.8	8.1	4.1	0.0
65°	61.0	43.7	30.4	18.3	9.0	4.5	0.0
62.5°	70.9	51.9	34.9	21.6	9.8	4.9	0.0
60°	80.5	59.9	39.3	25.0	10.6	5.3	0.0
57.5°	90.8	67.8	45.5	28.2	12.7	5.7	0.0
55°	100.9	75.4	51.6	31.3	14.8	6.1	0.0
52.5°	110.7	82.9	57.5	34.4	16.9	6.5	0.0
50°	120.1	90.8	63.2	37.3	18.8	6.8	0.0
47.5°	129.2	98.5	68.8	40.5	20.7	7.2	0.0
45°	137.6	105.8	74.1	44.5	22.5	7.5	0.0
42.5°	145.7	112.8	79.2	48.3	24.3	7.8	0.0
40°	153.4	119.5	84.3	51.9	26.0	8.1	0.0
37.5°	160.7	125.9	89.4	55.4	27.5	8.4	0.0
35°	167.6	131.8	94.2	58.7	29.0	8.7	0.0
32.5°	174.4	137.2	98.7	61.7	30.4	8.9	0.0
30°	181.3	142.2	102.9	64.6	31.7	9.2	0.0
27.5°	187.7	146.9	106.8	67.3	33.0	9.4	0.0
25°	193.6	151.2	110.5	69.7	34.1	9.6	0.0
22.5°	198.9	155.1	113.7	71.9	35.1	9.8	0.0
20°	203.8	158.7	116.7	73.9	36.0	10.0	0.0
17.5°	208.1	161.8	119.3	75.7	36.8	10.1	0.0
15°	211.8	164.6	121.6	77.3	37.5	10.2	0.0
12.5°	215.0	166.9	123.6	78.6	38.1	10.3	0.0
10°	217.6	168.8	125.2	79.7	38.6	10.4	0.0
7.5°	219.7	170.3	126.4	80.5	39.0	10.5	0.0
5°	221.1	171.3	127.3	81.1	39.3	10.6	0.0
2.5°	222.0	172.0	127.8	81.5	39.4	10.6	0.0
0°	222.3	172.2	128.0	81.6	39.5	10.6	0.0
-2.5°	222.0	172.0	127.8	81.5	39.4	10.6	0.0
-5°	221.1	171.3	127.3	81.1	39.3	10.6	0.0
-7.5°	219.7	170.3	126.4	80.5	39.0	10.5	0.0
-10°	217.6	168.8	125.2	79.7	38.6	10.4	0.0
-12.5°	215.0	166.9	123.6	78.6	38.1	10.3	0.0
-15°	211.8	164.6	121.6	77.3	37.5	10.2	0.0
-17.5°	208.1	161.8	119.3	75.7	36.8	10.1	0.0
-20°	203.8	158.7	116.7	73.9	36.0	10.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	198.9	155.1	113.7	71.9	35.1	9.8	0.0
-25°	193.6	151.2	110.5	69.7	34.1	9.6	0.0
-27.5°	187.7	146.9	106.8	67.3	33.0	9.4	0.0
-30°	181.3	142.2	102.9	64.6	31.7	9.2	0.0
-32.5°	174.4	137.2	98.7	61.7	30.4	8.9	0.0
-35°	167.6	131.8	94.2	58.7	29.0	8.7	0.0
-37.5°	160.7	125.9	89.4	55.4	27.5	8.4	0.0
-40°	153.4	119.5	84.3	51.9	26.0	8.1	0.0
-42.5°	145.7	112.8	79.2	48.3	24.3	7.8	0.0
-45°	137.6	105.8	74.1	44.5	22.5	7.5	0.0
-47.5°	129.2	98.5	68.8	40.5	20.7	7.2	0.0
-50°	120.1	90.8	63.2	37.3	18.8	6.8	0.0
-52.5°	110.7	82.9	57.5	34.4	16.9	6.5	0.0
-55°	100.9	75.4	51.6	31.3	14.8	6.1	0.0
-57.5°	90.8	67.8	45.5	28.2	12.7	5.7	0.0
-60°	80.5	59.9	39.3	25.0	10.6	5.3	0.0
-62.5°	70.9	51.9	34.9	21.6	9.8	4.9	0.0
-65°	61.0	43.7	30.4	18.3	9.0	4.5	0.0
-67.5°	51.0	36.6	25.7	14.8	8.1	4.1	0.0
-70°	40.8	30.8	21.1	11.3	7.2	3.6	0.0
-72.5°	33.3	24.8	16.3	9.5	6.4	3.2	0.0
-75°	26.1	18.8	11.5	8.2	5.5	2.7	0.0
-77.5°	18.8	12.7	9.1	6.9	4.6	2.3	0.0
-80°	11.5	9.1	7.3	5.5	3.7	1.8	0.0
-82.5°	8.2	6.9	5.5	4.1	2.8	1.4	0.0
-85°	5.5	4.6	3.7	2.8	1.8	0.9	0.0
-87.5°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)