

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



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA2B-730-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2B-730-U-VWR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N45
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

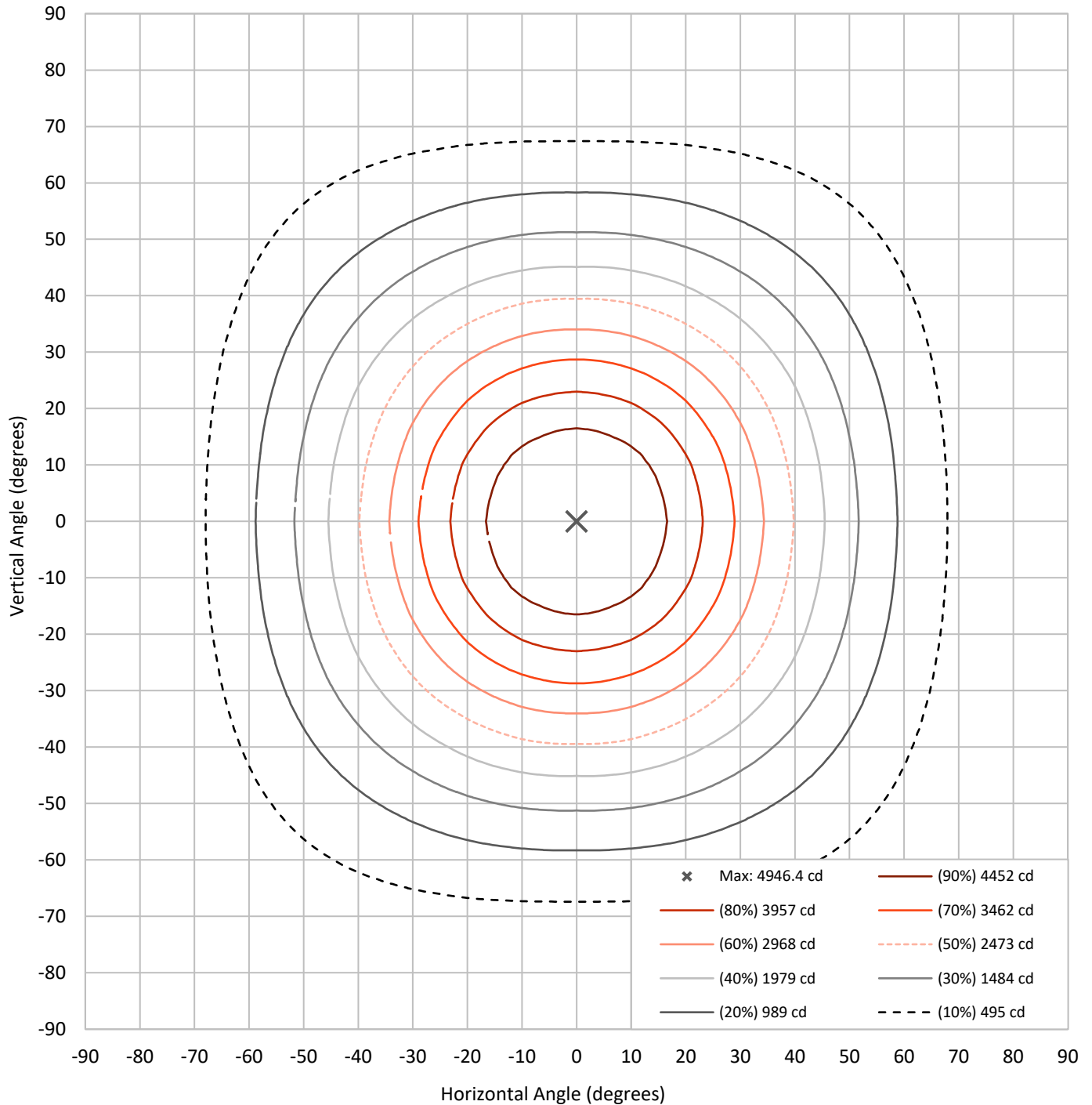
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	8940.3 lumens	Max Intensity:	4946.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	140.6 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	5243.5 lumens	Field Lumens:	8523 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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





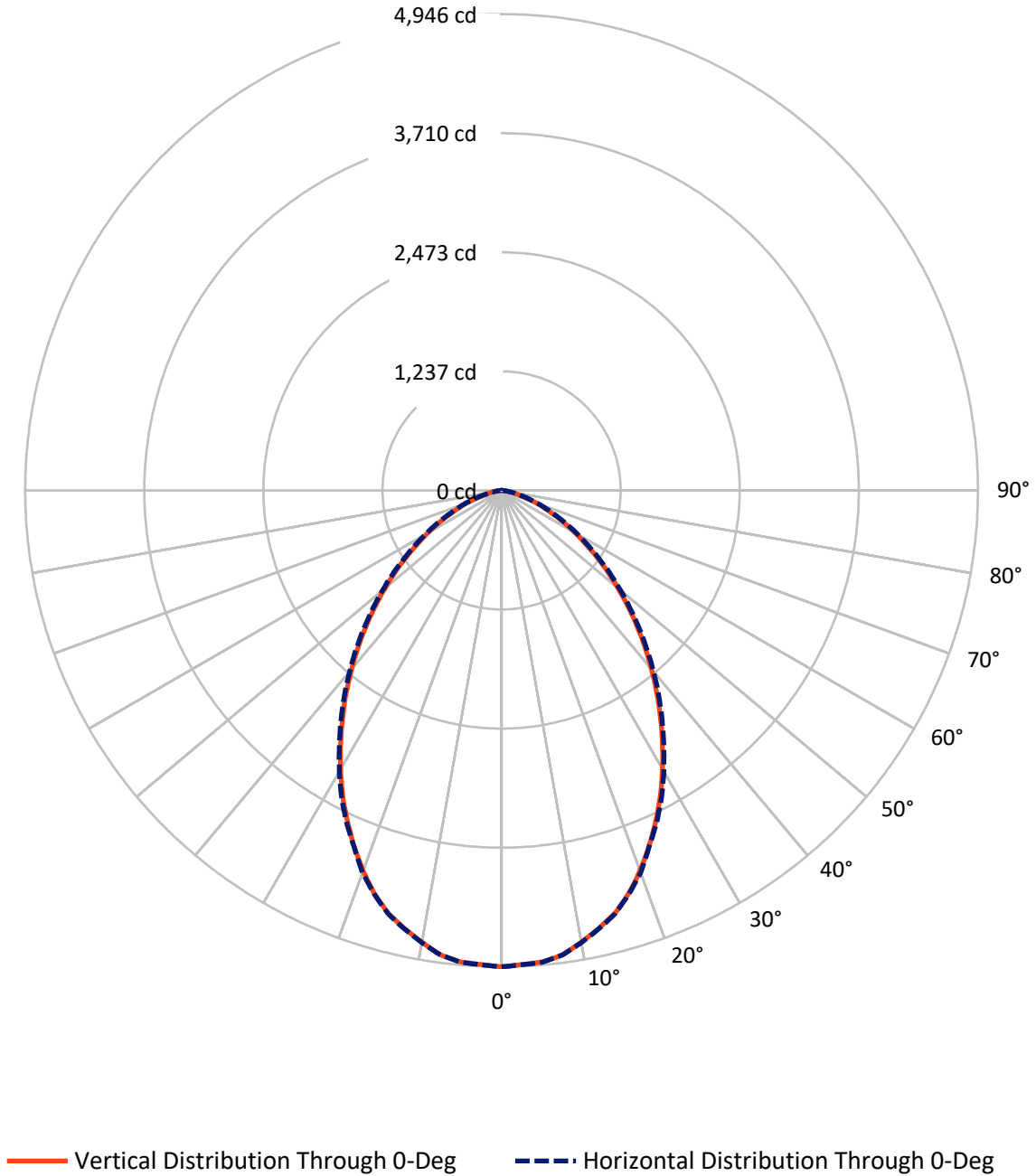
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Lumen Table

90																			
80	0.3	3.7	10.0	16.9	16.0	16.9	10.0	3.7	0.3										
70																			
60	1.7	2.3	4.6	7.9	11.5	14.9	17.4	18.6	18.6	17.4	14.9	11.5	7.9	4.6	2.3	1.7			
50																			
40	2.9	3.4	7.5	13.4	20.3	27.6	33.6	36.7	36.7	33.6	27.6	20.3	13.4	7.5	3.4	2.9			
30																			
20	3.8	4.6	10.9	20.1	31.8	44.1	54.4	60.0	60.0	54.4	44.1	31.8	20.1	10.9	4.6	3.8			
10																			
0	4.1	5.8	14.4	27.6	44.5	62.4	77.7	86.4	86.4	77.7	62.4	44.5	27.6	14.4	5.8	4.1			
-10																			
-20	3.8	7.0	17.7	34.7	56.7	80.5	101.2	113.1	113.1	101.2	80.5	56.7	34.7	17.7	7.0	3.8			
-30																			
-40	2.9	7.9	20.3	40.1	66.2	95.1	120.6	135.1	135.1	120.6	95.1	66.2	40.1	20.3	7.9	2.9			
-50																			
-60	1.7	8.4	21.7	43.1	71.4	103.2	131.1	146.3	146.3	131.1	103.2	71.4	43.1	21.7	8.4	1.7			
-70																			
-80	0.3	8.4	21.7	43.1	71.4	103.2	131.1	146.3	146.3	131.1	103.2	71.4	43.1	21.7	8.4	0.3			
-90																			

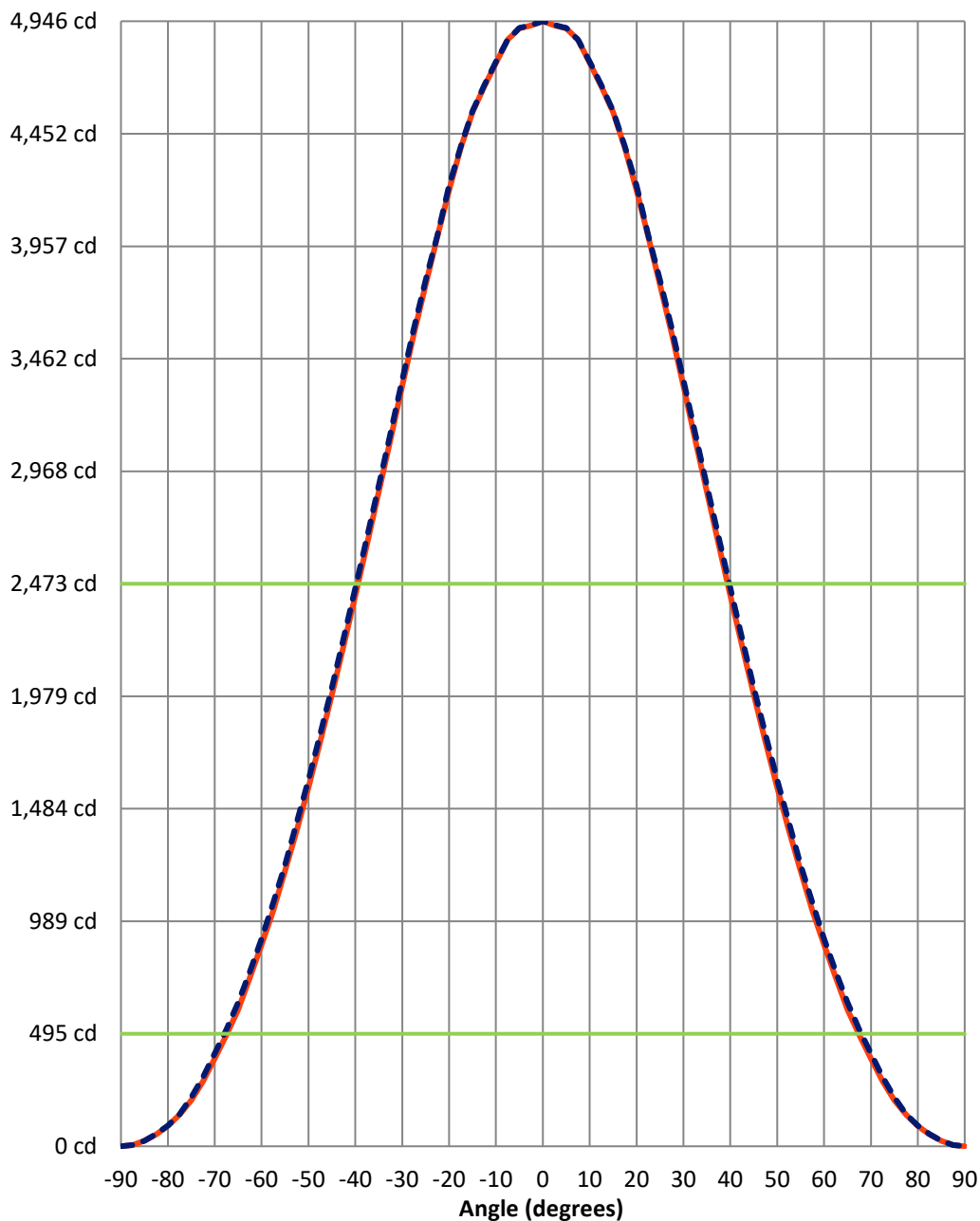
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 5243.5
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 8523
 Efficiency: 95.3%

Spill:
 Lumens: 417.2
 Efficiency: 4.7%

— Vertical Distribution through 0-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	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
85°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.1	5.7	6.2
82.5°	0.0	0.8	1.9	2.9	3.8	4.8	5.7	6.7	8.3	13.1	17.7
80°	0.0	1.1	2.6	3.8	5.1	6.4	8.6	15.4	21.8	28.1	34.0
77.5°	0.0	1.4	3.2	4.8	6.4	10.0	18.8	27.3	35.3	42.9	52.4
75°	0.0	1.7	3.8	5.7	8.3	17.3	28.7	39.2	49.1	62.8	77.4
72.5°	0.0	1.9	4.4	6.7	13.3	24.4	38.4	51.9	67.6	84.3	101.9
70°	0.0	2.2	5.0	8.0	18.0	31.3	48.0	67.2	85.6	105.3	128.3
67.5°	0.0	2.5	5.6	10.9	22.6	37.8	59.6	82.1	103.3	128.1	154.5
65°	0.0	2.7	6.1	13.8	27.0	45.2	70.6	96.6	122.3	150.3	179.0
62.5°	0.0	3.0	6.6	16.5	31.2	53.2	81.1	111.8	140.8	171.5	200.9
60°	0.0	3.2	7.2	19.1	35.1	60.9	91.0	126.8	158.5	191.3	222.6
57.5°	0.0	3.4	8.6	21.5	40.3	68.0	101.4	140.9	176.0	210.7	243.1
55°	0.0	3.6	10.0	23.7	45.3	74.7	111.3	153.0	193.2	229.5	262.7
52.5°	0.0	3.8	11.4	25.8	49.9	81.0	120.4	165.6	210.0	246.9	281.9
50°	0.0	4.0	12.7	27.7	54.1	87.7	128.8	177.5	225.9	263.7	303.9
47.5°	0.0	4.2	13.9	29.7	58.0	93.8	136.6	188.7	240.4	279.9	325.4
45°	0.0	4.4	15.1	32.3	61.5	99.4	145.3	198.9	251.6	298.3	346.0
42.5°	0.0	4.6	16.2	34.6	64.6	104.3	153.3	208.3	262.4	315.9	370.3
40°	0.0	4.7	17.2	37.0	67.7	108.6	160.6	217.3	273.6	332.4	393.9
37.5°	0.0	4.9	18.2	39.3	70.8	112.2	167.0	225.7	286.1	348.0	416.1
35°	0.0	5.0	19.1	41.5	73.4	116.5	172.8	233.7	298.4	366.1	438.4
32.5°	0.0	5.1	20.0	43.5	75.6	120.7	178.1	241.2	310.2	383.4	462.1
30°	0.0	5.2	20.7	45.4	77.4	124.3	183.6	248.6	321.7	400.0	484.2
27.5°	0.0	5.3	21.4	47.1	80.1	127.3	188.5	257.3	333.5	415.7	504.7
25°	0.0	5.4	22.0	48.6	82.6	129.7	192.9	265.4	345.8	431.7	523.7
22.5°	0.0	5.5	22.6	49.9	84.7	132.1	196.6	272.7	357.1	446.8	543.9
20°	0.0	5.6	23.1	51.1	86.6	135.4	199.7	279.4	367.4	460.4	562.0
17.5°	0.0	5.6	23.4	52.0	88.2	138.1	203.5	285.2	376.6	472.2	578.0
15°	0.0	5.6	23.8	52.8	89.5	140.1	207.5	290.8	384.5	482.4	591.7
12.5°	0.0	5.7	24.0	53.4	90.5	141.6	210.8	296.1	391.7	490.9	603.3
10°	0.0	5.7	24.2	53.9	91.1	142.6	213.3	300.1	397.9	498.8	613.0
7.5°	0.0	5.7	24.3	54.1	91.5	143.0	215.0	302.9	402.7	505.2	621.4
5°	0.0	5.7	24.3	54.2	91.5	142.8	215.9	304.5	406.0	509.8	627.4
2.5°	0.0	5.6	24.2	54.1	91.3	142.1	215.9	304.9	407.8	512.7	631.0
0°	0.0	5.6	24.1	53.8	90.8	140.9	215.1	304.1	407.9	513.6	632.2
-2.5°	0.0	5.6	24.2	54.1	91.3	142.1	215.9	304.9	407.8	512.7	631.0
-5°	0.0	5.7	24.3	54.2	91.5	142.8	215.9	304.5	406.0	509.8	627.4
-7.5°	0.0	5.7	24.3	54.1	91.5	143.0	215.0	302.9	402.7	505.2	621.4
-10°	0.0	5.7	24.2	53.9	91.1	142.6	213.3	300.1	397.9	498.8	613.0
-12.5°	0.0	5.7	24.0	53.4	90.5	141.6	210.8	296.1	391.7	490.9	603.3
-15°	0.0	5.6	23.8	52.8	89.5	140.1	207.5	290.8	384.5	482.4	591.7
-17.5°	0.0	5.6	23.4	52.0	88.2	138.1	203.5	285.2	376.6	472.2	578.0
-20°	0.0	5.6	23.1	51.1	86.6	135.4	199.7	279.4	367.4	460.4	562.0

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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	5.5	22.6	49.9	84.7	132.1	196.6	272.7	357.1	446.8	543.9
-25°	0.0	5.4	22.0	48.6	82.6	129.7	192.9	265.4	345.8	431.7	523.7
-27.5°	0.0	5.3	21.4	47.1	80.1	127.3	188.5	257.3	333.5	415.7	504.7
-30°	0.0	5.2	20.7	45.4	77.4	124.3	183.6	248.6	321.7	400.0	484.2
-32.5°	0.0	5.1	20.0	43.5	75.6	120.7	178.1	241.2	310.2	383.4	462.1
-35°	0.0	5.0	19.1	41.5	73.4	116.5	172.8	233.7	298.4	366.1	438.4
-37.5°	0.0	4.9	18.2	39.3	70.8	112.2	167.0	225.7	286.1	348.0	416.1
-40°	0.0	4.7	17.2	37.0	67.7	108.6	160.6	217.3	273.6	332.4	393.9
-42.5°	0.0	4.6	16.2	34.6	64.6	104.3	153.3	208.3	262.4	315.9	370.3
-45°	0.0	4.4	15.1	32.3	61.5	99.4	145.3	198.9	251.6	298.3	346.0
-47.5°	0.0	4.2	13.9	29.7	58.0	93.8	136.6	188.7	240.4	279.9	325.4
-50°	0.0	4.0	12.7	27.7	54.1	87.7	128.8	177.5	225.9	263.7	303.9
-52.5°	0.0	3.8	11.4	25.8	49.9	81.0	120.4	165.6	210.0	246.9	281.9
-55°	0.0	3.6	10.0	23.7	45.3	74.7	111.3	153.0	193.2	229.5	262.7
-57.5°	0.0	3.4	8.6	21.5	40.3	68.0	101.4	140.9	176.0	210.7	243.1
-60°	0.0	3.2	7.2	19.1	35.1	60.9	91.0	126.8	158.5	191.3	222.6
-62.5°	0.0	3.0	6.6	16.5	31.2	53.2	81.1	111.8	140.8	171.5	200.9
-65°	0.0	2.7	6.1	13.8	27.0	45.2	70.6	96.6	122.3	150.3	179.0
-67.5°	0.0	2.5	5.6	10.9	22.6	37.8	59.6	82.1	103.3	128.1	154.5
-70°	0.0	2.2	5.0	8.0	18.0	31.3	48.0	67.2	85.6	105.3	128.3
-72.5°	0.0	1.9	4.4	6.7	13.3	24.4	38.4	51.9	67.6	84.3	101.9
-75°	0.0	1.7	3.8	5.7	8.3	17.3	28.7	39.2	49.1	62.8	77.4
-77.5°	0.0	1.4	3.2	4.8	6.4	10.0	18.8	27.3	35.3	42.9	52.4
-80°	0.0	1.1	2.6	3.8	5.1	6.4	8.6	15.4	21.8	28.1	34.0
-82.5°	0.0	0.8	1.9	2.9	3.8	4.8	5.7	6.7	8.3	13.1	17.7
-85°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.4	5.1	5.7	6.2
-87.5°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	4.2	4.7	5.3	5.4	5.4	5.3	5.2	5.5	5.7	5.9
85°	7.2	8.3	11.6	14.7	16.2	17.1	17.5	17.4	20.3	23.6	27.2
82.5°	22.5	27.2	31.6	35.8	36.9	36.9	36.6	36.7	43.4	51.0	58.9
80°	40.1	46.0	53.8	60.8	63.8	65.4	66.1	66.0	74.4	85.7	97.5
77.5°	63.7	73.6	82.3	89.6	93.6	97.1	99.9	102.1	113.0	127.2	141.3
75°	90.5	101.4	112.3	121.7	128.3	133.2	137.8	145.1	159.3	175.9	190.3
72.5°	118.9	132.8	144.8	155.1	164.4	174.2	185.2	197.3	212.2	228.8	243.9
70°	149.1	164.4	177.1	189.4	202.0	216.7	233.2	249.5	266.2	284.5	302.1
67.5°	178.7	193.5	208.4	223.9	242.8	262.5	282.0	304.4	327.3	347.6	365.8
65°	204.4	221.7	240.3	261.5	284.8	309.8	335.8	362.7	391.8	416.1	438.4
62.5°	229.0	249.8	272.4	298.7	328.4	358.1	391.3	424.9	457.6	486.3	512.9
60°	251.6	276.8	305.4	337.6	372.3	411.7	449.6	487.8	523.7	556.2	589.8
57.5°	273.6	305.3	339.6	378.3	422.2	466.5	511.0	552.1	592.8	632.4	670.3
55°	296.9	335.0	375.9	423.4	472.9	525.3	573.2	619.1	663.9	711.9	757.6
52.5°	322.5	365.1	416.2	469.4	526.6	582.9	635.5	687.8	741.9	796.3	855.8
50°	347.2	400.4	456.4	518.3	580.0	640.3	700.6	760.8	825.7	892.4	959.8
47.5°	376.1	434.2	500.3	566.6	634.1	701.2	768.4	841.2	914.9	992.2	1066.8
45°	405.4	470.6	541.9	616.9	689.9	764.1	842.7	923.2	1009.6	1094.7	1184.3
42.5°	433.1	506.8	585.4	666.4	747.6	830.5	916.9	1011.0	1105.4	1203.5	1302.1
40°	463.8	541.3	627.9	717.2	805.2	897.1	995.9	1097.8	1204.6	1312.5	1419.5
37.5°	493.3	578.5	669.6	765.6	864.4	965.4	1072.7	1188.3	1304.1	1420.2	1538.3
35°	520.9	613.8	712.4	814.4	919.2	1034.1	1154.0	1277.4	1402.8	1528.5	1655.5
32.5°	549.4	647.0	753.4	862.5	978.0	1101.2	1232.5	1366.2	1499.9	1634.0	1773.0
30°	577.9	681.9	793.0	908.0	1034.3	1168.5	1309.7	1451.3	1592.7	1740.3	1888.5
27.5°	604.8	715.0	832.0	955.0	1088.3	1230.9	1380.9	1532.6	1685.0	1841.9	1999.9
25°	629.6	746.4	868.2	1000.3	1141.5	1290.9	1447.2	1605.5	1772.6	1940.6	2105.5
22.5°	653.8	775.2	901.7	1042.0	1189.8	1346.7	1509.4	1676.5	1851.2	2031.5	2202.3
20°	677.0	802.6	934.3	1079.7	1233.0	1396.9	1565.9	1740.9	1924.2	2109.3	2293.0
17.5°	697.7	827.0	964.6	1115.0	1274.2	1442.8	1616.8	1797.6	1989.0	2180.9	2375.6
15°	715.7	848.2	990.9	1145.8	1310.6	1484.5	1664.1	1850.0	2046.3	2246.2	2448.5
12.5°	730.9	866.2	1013.0	1172.0	1341.6	1520.2	1704.7	1897.2	2098.8	2304.3	2512.4
10°	743.3	880.8	1030.9	1193.4	1366.8	1549.8	1738.2	1936.1	2143.7	2353.6	2566.2
7.5°	753.8	893.0	1045.1	1210.0	1386.3	1572.9	1764.2	1966.4	2179.4	2392.1	2609.3
5°	761.5	902.9	1058.2	1223.8	1403.2	1591.0	1783.9	1988.0	2205.6	2419.5	2640.6
2.5°	766.1	909.3	1067.0	1232.8	1416.5	1604.5	1801.4	2007.0	2224.8	2441.3	2664.2
0°	767.6	912.2	1071.6	1236.6	1423.9	1611.1	1811.3	2017.1	2234.1	2454.7	2679.0
-2.5°	766.1	909.3	1067.0	1232.8	1416.5	1604.5	1801.4	2007.0	2224.8	2441.3	2664.2
-5°	761.5	902.9	1058.2	1223.8	1403.2	1591.0	1783.9	1988.0	2205.6	2419.5	2640.6
-7.5°	753.8	893.0	1045.1	1210.0	1386.3	1572.9	1764.2	1966.4	2179.4	2392.1	2609.3
-10°	743.3	880.8	1030.9	1193.4	1366.8	1549.8	1738.2	1936.1	2143.7	2353.6	2566.2
-12.5°	730.9	866.2	1013.0	1172.0	1341.6	1520.2	1704.7	1897.2	2098.8	2304.3	2512.4
-15°	715.7	848.2	990.9	1145.8	1310.6	1484.5	1664.1	1850.0	2046.3	2246.2	2448.5
-17.5°	697.7	827.0	964.6	1115.0	1274.2	1442.8	1616.8	1797.6	1989.0	2180.9	2375.6
-20°	677.0	802.6	934.3	1079.7	1233.0	1396.9	1565.9	1740.9	1924.2	2109.3	2293.0

Classified

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

Scaled Data Report



REPORT NUMBER: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	653.8	775.2	901.7	1042.0	1189.8	1346.7	1509.4	1676.5	1851.2	2031.5	2202.3
-25°	629.6	746.4	868.2	1000.3	1141.5	1290.9	1447.2	1605.5	1772.6	1940.6	2105.5
-27.5°	604.8	715.0	832.0	955.0	1088.3	1230.9	1380.9	1532.6	1685.0	1841.9	1999.9
-30°	577.9	681.9	793.0	908.0	1034.3	1168.5	1309.7	1451.3	1592.7	1740.3	1888.5
-32.5°	549.4	647.0	753.4	862.5	978.0	1101.2	1232.5	1366.2	1499.9	1634.0	1773.0
-35°	520.9	613.8	712.4	814.4	919.2	1034.1	1154.0	1277.4	1402.8	1528.5	1655.5
-37.5°	493.3	578.5	669.6	765.6	864.4	965.4	1072.7	1188.3	1304.1	1420.2	1538.3
-40°	463.8	541.3	627.9	717.2	805.2	897.1	995.9	1097.8	1204.6	1312.5	1419.5
-42.5°	433.1	506.8	585.4	666.4	747.6	830.5	916.9	1011.0	1105.4	1203.5	1302.1
-45°	405.4	470.6	541.9	616.9	689.9	764.1	842.7	923.2	1009.6	1094.7	1184.3
-47.5°	376.1	434.2	500.3	566.6	634.1	701.2	768.4	841.2	914.9	992.2	1066.8
-50°	347.2	400.4	456.4	518.3	580.0	640.3	700.6	760.8	825.7	892.4	959.8
-52.5°	322.5	365.1	416.2	469.4	526.6	582.9	635.5	687.8	741.9	796.3	855.8
-55°	296.9	335.0	375.9	423.4	472.9	525.3	573.2	619.1	663.9	711.9	757.6
-57.5°	273.6	305.3	339.6	378.3	422.2	466.5	511.0	552.1	592.8	632.4	670.3
-60°	251.6	276.8	305.4	337.6	372.3	411.7	449.6	487.8	523.7	556.2	589.8
-62.5°	229.0	249.8	272.4	298.7	328.4	358.1	391.3	424.9	457.6	486.3	512.9
-65°	204.4	221.7	240.3	261.5	284.8	309.8	335.8	362.7	391.8	416.1	438.4
-67.5°	178.7	193.5	208.4	223.9	242.8	262.5	282.0	304.4	327.3	347.6	365.8
-70°	149.1	164.4	177.1	189.4	202.0	216.7	233.2	249.5	266.2	284.5	302.1
-72.5°	118.9	132.8	144.8	155.1	164.4	174.2	185.2	197.3	212.2	228.8	243.9
-75°	90.5	101.4	112.3	121.7	128.3	133.2	137.8	145.1	159.3	175.9	190.3
-77.5°	63.7	73.6	82.3	89.6	93.6	97.1	99.9	102.1	113.0	127.2	141.3
-80°	40.1	46.0	53.8	60.8	63.8	65.4	66.1	66.0	74.4	85.7	97.5
-82.5°	22.5	27.2	31.6	35.8	36.9	36.9	36.6	36.7	43.4	51.0	58.9
-85°	7.2	8.3	11.6	14.7	16.2	17.1	17.5	17.4	20.3	23.6	27.2
-87.5°	3.6	4.2	4.7	5.3	5.4	5.4	5.3	5.2	5.5	5.7	5.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-730-U-VWR-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°	6.1	6.2	6.4	6.6	6.7	6.8	7.0	7.1	7.1	6.8	6.4
85°	31.0	33.2	35.2	37.1	39.0	40.8	42.4	44.0	45.4	41.5	37.1
82.5°	66.9	72.3	77.3	82.4	87.4	88.7	89.1	88.9	88.2	81.3	73.7
80°	109.2	118.3	126.8	135.3	143.7	144.6	143.7	142.0	139.6	130.5	120.2
77.5°	155.3	166.8	176.8	186.0	194.3	195.9	195.7	195.2	194.5	185.3	174.1
75°	202.7	213.9	224.6	233.8	241.5	245.0	246.7	247.9	248.6	242.0	233.3
72.5°	257.5	269.2	278.7	287.6	295.1	300.6	304.5	307.5	309.5	307.4	303.9
70°	317.1	329.6	340.1	350.1	360.4	368.6	374.7	379.2	382.1	383.9	385.2
67.5°	384.1	400.9	415.5	428.0	440.4	452.0	461.5	469.2	475.2	480.3	484.3
65°	459.6	481.1	500.1	517.5	533.5	550.3	564.1	575.7	585.0	592.7	598.9
62.5°	539.0	565.3	589.7	613.3	636.5	659.4	676.9	692.9	707.1	719.3	729.0
60°	621.5	651.4	684.1	715.4	744.1	770.4	796.5	819.1	838.5	854.5	867.4
57.5°	710.3	748.9	787.2	826.0	862.6	897.0	929.1	957.4	981.4	1001.0	1017.5
55°	806.1	854.4	898.8	947.7	995.0	1038.1	1076.1	1109.4	1138.2	1162.3	1182.8
52.5°	911.4	970.1	1027.8	1083.5	1137.2	1187.2	1232.6	1271.4	1305.9	1335.5	1359.1
50°	1026.6	1093.9	1160.7	1222.7	1284.4	1341.9	1394.0	1439.0	1479.2	1514.0	1541.3
47.5°	1147.2	1223.7	1298.3	1369.3	1437.6	1501.6	1557.9	1609.2	1659.3	1700.2	1732.5
45°	1272.4	1358.2	1440.5	1521.7	1596.9	1668.6	1738.1	1802.0	1853.4	1898.4	1936.2
42.5°	1399.1	1494.8	1587.0	1675.5	1758.2	1841.1	1919.3	1989.2	2047.8	2099.0	2142.0
40°	1527.5	1632.3	1733.8	1830.3	1924.8	2015.2	2099.8	2173.5	2239.6	2300.4	2351.1
37.5°	1655.2	1770.4	1883.0	1991.0	2095.1	2193.1	2284.5	2367.8	2442.3	2511.6	2567.8
35°	1783.4	1909.9	2033.1	2152.0	2265.7	2373.8	2473.9	2568.7	2656.6	2726.7	2784.2
32.5°	1911.2	2047.1	2181.2	2312.1	2436.6	2553.2	2661.6	2766.3	2856.7	2933.8	2999.9
30°	2034.8	2182.1	2328.1	2470.1	2604.6	2730.9	2850.9	2961.6	3058.9	3143.2	3217.3
27.5°	2156.1	2314.4	2471.1	2622.7	2768.1	2905.3	3036.3	3156.4	3262.6	3354.2	3432.4
25°	2270.8	2441.0	2607.9	2768.7	2923.9	3075.4	3216.8	3347.9	3461.2	3561.8	3642.1
22.5°	2380.4	2561.8	2737.2	2906.4	3072.5	3235.7	3390.5	3527.3	3647.5	3752.6	3841.6
20°	2482.4	2676.8	2856.3	3035.2	3210.2	3384.4	3550.7	3695.0	3822.2	3934.1	4032.2
17.5°	2577.8	2777.2	2966.2	3156.7	3341.1	3523.9	3692.8	3847.6	3984.7	4103.6	4206.2
15°	2658.6	2860.0	3066.4	3269.8	3464.2	3649.3	3818.1	3979.7	4132.0	4260.5	4364.6
12.5°	2724.0	2933.4	3148.8	3364.7	3570.3	3755.2	3931.8	4095.8	4255.7	4400.1	4495.8
10°	2779.7	2995.4	3217.7	3437.9	3646.3	3841.9	4033.9	4207.3	4364.5	4493.8	4600.6
7.5°	2827.9	3050.1	3275.9	3496.4	3704.1	3906.2	4103.9	4288.0	4446.7	4568.5	4663.8
5°	2863.5	3090.9	3321.1	3543.6	3754.2	3957.0	4155.6	4337.4	4492.3	4616.2	4720.1
2.5°	2888.9	3118.5	3350.3	3573.1	3788.4	3991.7	4195.3	4379.1	4529.1	4642.7	4742.2
0°	2905.2	3135.1	3368.7	3596.7	3808.1	4004.6	4223.4	4395.8	4551.5	4664.6	4768.5
-2.5°	2888.9	3118.5	3350.3	3573.1	3788.4	3991.7	4195.3	4379.1	4529.1	4642.7	4742.2
-5°	2863.5	3090.9	3321.1	3543.6	3754.2	3957.0	4155.6	4337.4	4492.3	4616.2	4720.1
-7.5°	2827.9	3050.1	3275.9	3496.4	3704.1	3906.2	4103.9	4288.0	4446.7	4568.5	4663.8
-10°	2779.7	2995.4	3217.7	3437.9	3646.3	3841.9	4033.9	4207.3	4364.5	4493.8	4600.6
-12.5°	2724.0	2933.4	3148.8	3364.7	3570.3	3755.2	3931.8	4095.8	4255.7	4400.1	4495.8
-15°	2658.6	2860.0	3066.4	3269.8	3464.2	3649.3	3818.1	3979.7	4132.0	4260.5	4364.6
-17.5°	2577.8	2777.2	2966.2	3156.7	3341.1	3523.9	3692.8	3847.6	3984.7	4103.6	4206.2
-20°	2482.4	2676.8	2856.3	3035.2	3210.2	3384.4	3550.7	3695.0	3822.2	3934.1	4032.2



REPORT NUMBER: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2380.4	2561.8	2737.2	2906.4	3072.5	3235.7	3390.5	3527.3	3647.5	3752.6	3841.6
-25°	2270.8	2441.0	2607.9	2768.7	2923.9	3075.4	3216.8	3347.9	3461.2	3561.8	3642.1
-27.5°	2156.1	2314.4	2471.1	2622.7	2768.1	2905.3	3036.3	3156.4	3262.6	3354.2	3432.4
-30°	2034.8	2182.1	2328.1	2470.1	2604.6	2730.9	2850.9	2961.6	3058.9	3143.2	3217.3
-32.5°	1911.2	2047.1	2181.2	2312.1	2436.6	2553.2	2661.6	2766.3	2856.7	2933.8	2999.9
-35°	1783.4	1909.9	2033.1	2152.0	2265.7	2373.8	2473.9	2568.7	2656.6	2726.7	2784.2
-37.5°	1655.2	1770.4	1883.0	1991.0	2095.1	2193.1	2284.5	2367.8	2442.3	2511.6	2567.8
-40°	1527.5	1632.3	1733.8	1830.3	1924.8	2015.2	2099.8	2173.5	2239.6	2300.4	2351.1
-42.5°	1399.1	1494.8	1587.0	1675.5	1758.2	1841.1	1919.3	1989.2	2047.8	2099.0	2142.0
-45°	1272.4	1358.2	1440.5	1521.7	1596.9	1668.6	1738.1	1802.0	1853.4	1898.4	1936.2
-47.5°	1147.2	1223.7	1298.3	1369.3	1437.6	1501.6	1557.9	1609.2	1659.3	1700.2	1732.5
-50°	1026.6	1093.9	1160.7	1222.7	1284.4	1341.9	1394.0	1439.0	1479.2	1514.0	1541.3
-52.5°	911.4	970.1	1027.8	1083.5	1137.2	1187.2	1232.6	1271.4	1305.9	1335.5	1359.1
-55°	806.1	854.4	898.8	947.7	995.0	1038.1	1076.1	1109.4	1138.2	1162.3	1182.8
-57.5°	710.3	748.9	787.2	826.0	862.6	897.0	929.1	957.4	981.4	1001.0	1017.5
-60°	621.5	651.4	684.1	715.4	744.1	770.4	796.5	819.1	838.5	854.5	867.4
-62.5°	539.0	565.3	589.7	613.3	636.5	659.4	676.9	692.9	707.1	719.3	729.0
-65°	459.6	481.1	500.1	517.5	533.5	550.3	564.1	575.7	585.0	592.7	598.9
-67.5°	384.1	400.9	415.5	428.0	440.4	452.0	461.5	469.2	475.2	480.3	484.3
-70°	317.1	329.6	340.1	350.1	360.4	368.6	374.7	379.2	382.1	383.9	385.2
-72.5°	257.5	269.2	278.7	287.6	295.1	300.6	304.5	307.5	309.5	307.4	303.9
-75°	202.7	213.9	224.6	233.8	241.5	245.0	246.7	247.9	248.6	242.0	233.3
-77.5°	155.3	166.8	176.8	186.0	194.3	195.9	195.7	195.2	194.5	185.3	174.1
-80°	109.2	118.3	126.8	135.3	143.7	144.6	143.7	142.0	139.6	130.5	120.2
-82.5°	66.9	72.3	77.3	82.4	87.4	88.7	89.1	88.9	88.2	81.3	73.7
-85°	31.0	33.2	35.2	37.1	39.0	40.8	42.4	44.0	45.4	41.5	37.1
-87.5°	6.1	6.2	6.4	6.6	6.7	6.8	7.0	7.1	7.1	6.8	6.4
-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: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-730-U-VWR-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°	6.0	5.6	5.6	5.6	5.6	5.6	6.0	6.4	6.8	7.1	7.1
85°	32.5	27.7	25.9	24.1	25.9	27.7	32.5	37.1	41.5	45.4	44.0
82.5°	65.7	57.3	54.6	51.9	54.6	57.3	65.7	73.7	81.3	88.2	88.9
80°	109.4	98.0	93.6	89.0	93.6	98.0	109.4	120.2	130.5	139.6	142.0
77.5°	162.3	149.8	144.5	139.0	144.5	149.8	162.3	174.1	185.3	194.5	195.2
75°	224.1	214.4	208.5	202.1	208.5	214.4	224.1	233.3	242.0	248.6	247.9
72.5°	299.8	295.0	290.8	285.5	290.8	295.0	299.8	303.9	307.4	309.5	307.5
70°	385.7	385.1	385.9	385.6	385.9	385.1	385.7	385.2	383.9	382.1	379.2
67.5°	486.3	486.5	488.6	489.5	488.6	486.5	486.3	484.3	480.3	475.2	469.2
65°	602.7	604.1	603.6	600.7	603.6	604.1	602.7	598.9	592.7	585.0	575.7
62.5°	735.9	739.9	742.1	741.6	742.1	739.9	735.9	729.0	719.3	707.1	692.9
60°	877.1	883.4	886.5	886.2	886.5	883.4	877.1	867.4	854.5	838.5	819.1
57.5°	1029.8	1037.8	1039.7	1036.4	1039.7	1037.8	1029.8	1017.5	1001.0	981.4	957.4
55°	1198.3	1208.6	1212.6	1210.7	1212.6	1208.6	1198.3	1182.8	1162.3	1138.2	1109.4
52.5°	1376.4	1387.5	1391.5	1388.6	1391.5	1387.5	1376.4	1359.1	1335.5	1305.9	1271.4
50°	1561.4	1574.9	1580.3	1577.7	1580.3	1574.9	1561.4	1541.3	1514.0	1479.2	1439.0
47.5°	1757.8	1775.8	1782.8	1778.0	1782.8	1775.8	1757.8	1732.5	1700.2	1659.3	1609.2
45°	1964.5	1983.1	1990.3	1985.6	1990.3	1983.1	1964.5	1936.2	1898.4	1853.4	1802.0
42.5°	2174.8	2199.0	2209.2	2200.7	2209.2	2199.0	2174.8	2142.0	2099.0	2047.8	1989.2
40°	2388.8	2415.1	2427.1	2421.3	2427.1	2415.1	2388.8	2351.1	2300.4	2239.6	2173.5
37.5°	2608.4	2634.5	2647.3	2647.5	2647.3	2634.5	2608.4	2567.8	2511.6	2442.3	2367.8
35°	2828.8	2860.4	2878.3	2877.4	2878.3	2860.4	2828.8	2784.2	2726.7	2656.6	2568.7
32.5°	3052.2	3086.4	3104.7	3107.3	3104.7	3086.4	3052.2	2999.9	2933.8	2856.7	2766.3
30°	3275.3	3312.9	3334.0	3342.7	3334.0	3312.9	3275.3	3217.3	3143.2	3058.9	2961.6
27.5°	3491.6	3537.9	3569.9	3572.6	3569.9	3537.9	3491.6	3432.4	3354.2	3262.6	3156.4
25°	3701.1	3748.2	3781.0	3787.7	3781.0	3748.2	3701.1	3642.1	3561.8	3461.2	3347.9
22.5°	3907.6	3956.9	3987.1	3999.1	3987.1	3956.9	3907.6	3841.6	3752.6	3647.5	3527.3
20°	4104.8	4158.2	4190.2	4203.0	4190.2	4158.2	4104.8	4032.2	3934.1	3822.2	3695.0
17.5°	4283.1	4339.5	4379.1	4390.2	4379.1	4339.5	4283.1	4206.2	4103.6	3984.7	3847.6
15°	4440.0	4493.5	4531.1	4546.0	4531.1	4493.5	4440.0	4364.6	4260.5	4132.0	3979.7
12.5°	4567.7	4615.6	4645.1	4659.1	4645.1	4615.6	4567.7	4495.8	4400.1	4255.7	4095.8
10°	4667.5	4715.6	4743.7	4762.9	4743.7	4715.6	4667.5	4600.6	4493.8	4364.5	4207.3
7.5°	4754.2	4803.4	4837.8	4864.9	4837.8	4803.4	4754.2	4663.8	4568.5	4446.7	4288.0
5°	4802.0	4884.2	4896.5	4914.9	4896.5	4884.2	4802.0	4720.1	4616.2	4492.3	4337.4
2.5°	4838.5	4896.7	4931.8	4927.9	4931.8	4896.7	4838.5	4742.2	4642.7	4529.1	4379.1
0°	4864.9	4916.8	4929.8	4946.4	4929.8	4916.8	4864.9	4768.5	4664.6	4551.5	4395.8
-2.5°	4838.5	4896.7	4931.8	4927.9	4931.8	4896.7	4838.5	4742.2	4642.7	4529.1	4379.1
-5°	4802.0	4884.2	4896.5	4914.9	4896.5	4884.2	4802.0	4720.1	4616.2	4492.3	4337.4
-7.5°	4754.2	4803.4	4837.8	4864.9	4837.8	4803.4	4754.2	4663.8	4568.5	4446.7	4288.0
-10°	4667.5	4715.6	4743.7	4762.9	4743.7	4715.6	4667.5	4600.6	4493.8	4364.5	4207.3
-12.5°	4567.7	4615.6	4645.1	4659.1	4645.1	4615.6	4567.7	4495.8	4400.1	4255.7	4095.8
-15°	4440.0	4493.5	4531.1	4546.0	4531.1	4493.5	4440.0	4364.6	4260.5	4132.0	3979.7
-17.5°	4283.1	4339.5	4379.1	4390.2	4379.1	4339.5	4283.1	4206.2	4103.6	3984.7	3847.6
-20°	4104.8	4158.2	4190.2	4203.0	4190.2	4158.2	4104.8	4032.2	3934.1	3822.2	3695.0



REPORT NUMBER: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3907.6	3956.9	3987.1	3999.1	3987.1	3956.9	3907.6	3841.6	3752.6	3647.5	3527.3
-25°	3701.1	3748.2	3781.0	3787.7	3781.0	3748.2	3701.1	3642.1	3561.8	3461.2	3347.9
-27.5°	3491.6	3537.9	3569.9	3572.6	3569.9	3537.9	3491.6	3432.4	3354.2	3262.6	3156.4
-30°	3275.3	3312.9	3334.0	3342.7	3334.0	3312.9	3275.3	3217.3	3143.2	3058.9	2961.6
-32.5°	3052.2	3086.4	3104.7	3107.3	3104.7	3086.4	3052.2	2999.9	2933.8	2856.7	2766.3
-35°	2828.8	2860.4	2878.3	2877.4	2878.3	2860.4	2828.8	2784.2	2726.7	2656.6	2568.7
-37.5°	2608.4	2634.5	2647.3	2647.5	2647.3	2634.5	2608.4	2567.8	2511.6	2442.3	2367.8
-40°	2388.8	2415.1	2427.1	2421.3	2427.1	2415.1	2388.8	2351.1	2300.4	2239.6	2173.5
-42.5°	2174.8	2199.0	2209.2	2200.7	2209.2	2199.0	2174.8	2142.0	2099.0	2047.8	1989.2
-45°	1964.5	1983.1	1990.3	1985.6	1990.3	1983.1	1964.5	1936.2	1898.4	1853.4	1802.0
-47.5°	1757.8	1775.8	1782.8	1778.0	1782.8	1775.8	1757.8	1732.5	1700.2	1659.3	1609.2
-50°	1561.4	1574.9	1580.3	1577.7	1580.3	1574.9	1561.4	1541.3	1514.0	1479.2	1439.0
-52.5°	1376.4	1387.5	1391.5	1388.6	1391.5	1387.5	1376.4	1359.1	1335.5	1305.9	1271.4
-55°	1198.3	1208.6	1212.6	1210.7	1212.6	1208.6	1198.3	1182.8	1162.3	1138.2	1109.4
-57.5°	1029.8	1037.8	1039.7	1036.4	1039.7	1037.8	1029.8	1017.5	1001.0	981.4	957.4
-60°	877.1	883.4	886.5	886.2	886.5	883.4	877.1	867.4	854.5	838.5	819.1
-62.5°	735.9	739.9	742.1	741.6	742.1	739.9	735.9	729.0	719.3	707.1	692.9
-65°	602.7	604.1	603.6	600.7	603.6	604.1	602.7	598.9	592.7	585.0	575.7
-67.5°	486.3	486.5	488.6	489.5	488.6	486.5	486.3	484.3	480.3	475.2	469.2
-70°	385.7	385.1	385.9	385.6	385.9	385.1	385.7	385.2	383.9	382.1	379.2
-72.5°	299.8	295.0	290.8	285.5	290.8	295.0	299.8	303.9	307.4	309.5	307.5
-75°	224.1	214.4	208.5	202.1	208.5	214.4	224.1	233.3	242.0	248.6	247.9
-77.5°	162.3	149.8	144.5	139.0	144.5	149.8	162.3	174.1	185.3	194.5	195.2
-80°	109.4	98.0	93.6	89.0	93.6	98.0	109.4	120.2	130.5	139.6	142.0
-82.5°	65.7	57.3	54.6	51.9	54.6	57.3	65.7	73.7	81.3	88.2	88.9
-85°	32.5	27.7	25.9	24.1	25.9	27.7	32.5	37.1	41.5	45.4	44.0
-87.5°	6.0	5.6	5.6	5.6	5.6	5.6	6.0	6.4	6.8	7.1	7.1
-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: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-730-U-VWR-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°	7.0	6.8	6.7	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.2
85°	42.4	40.8	39.0	37.1	35.2	33.2	31.0	27.2	23.6	20.3	17.4
82.5°	89.1	88.7	87.4	82.4	77.3	72.3	66.9	58.9	51.0	43.4	36.7
80°	143.7	144.6	143.7	135.3	126.8	118.3	109.2	97.5	85.7	74.4	66.0
77.5°	195.7	195.9	194.3	186.0	176.8	166.8	155.3	141.3	127.2	113.0	102.1
75°	246.7	245.0	241.5	233.8	224.6	213.9	202.7	190.3	175.9	159.3	145.1
72.5°	304.5	300.6	295.1	287.6	278.7	269.2	257.5	243.9	228.8	212.2	197.3
70°	374.7	368.6	360.4	350.1	340.1	329.6	317.1	302.1	284.5	266.2	249.5
67.5°	461.5	452.0	440.4	428.0	415.5	400.9	384.1	365.8	347.6	327.3	304.4
65°	564.1	550.3	533.5	517.5	500.1	481.1	459.6	438.4	416.1	391.8	362.7
62.5°	676.9	659.4	636.5	613.3	589.7	565.3	539.0	512.9	486.3	457.6	424.9
60°	796.5	770.4	744.1	715.4	684.1	651.4	621.5	589.8	556.2	523.7	487.8
57.5°	929.1	897.0	862.6	826.0	787.2	748.9	710.3	670.3	632.4	592.8	552.1
55°	1076.1	1038.1	995.0	947.7	898.8	854.4	806.1	757.6	711.9	663.9	619.1
52.5°	1232.6	1187.2	1137.2	1083.5	1027.8	970.1	911.4	855.8	796.3	741.9	687.8
50°	1394.0	1341.9	1284.4	1222.7	1160.7	1093.9	1026.6	959.8	892.4	825.7	760.8
47.5°	1557.9	1501.6	1437.6	1369.3	1298.3	1223.7	1147.2	1066.8	992.2	914.9	841.2
45°	1738.1	1668.6	1596.9	1521.7	1440.5	1358.2	1272.4	1184.3	1094.7	1009.6	923.2
42.5°	1919.3	1841.1	1758.2	1675.5	1587.0	1494.8	1399.1	1302.1	1203.5	1105.4	1011.0
40°	2099.8	2015.2	1924.8	1830.3	1733.8	1632.3	1527.5	1419.5	1312.5	1204.6	1097.8
37.5°	2284.5	2193.1	2095.1	1991.0	1883.0	1770.4	1655.2	1538.3	1420.2	1304.1	1188.3
35°	2473.9	2373.8	2265.7	2152.0	2033.1	1909.9	1783.4	1655.5	1528.5	1402.8	1277.4
32.5°	2661.6	2553.2	2436.6	2312.1	2181.2	2047.1	1911.2	1773.0	1634.0	1499.9	1366.2
30°	2850.9	2730.9	2604.6	2470.1	2328.1	2182.1	2034.8	1888.5	1740.3	1592.7	1451.3
27.5°	3036.3	2905.3	2768.1	2622.7	2471.1	2314.4	2156.1	1999.9	1841.9	1685.0	1532.6
25°	3216.8	3075.4	2923.9	2768.7	2607.9	2441.0	2270.8	2105.5	1940.6	1772.6	1605.5
22.5°	3390.5	3235.7	3072.5	2906.4	2737.2	2561.8	2380.4	2202.3	2031.5	1851.2	1676.5
20°	3550.7	3384.4	3210.2	3035.2	2856.3	2676.8	2482.4	2293.0	2109.3	1924.2	1740.9
17.5°	3692.8	3523.9	3341.1	3156.7	2966.2	2777.2	2577.8	2375.6	2180.9	1989.0	1797.6
15°	3818.1	3649.3	3464.2	3269.8	3066.4	2860.0	2658.6	2448.5	2246.2	2046.3	1850.0
12.5°	3931.8	3755.2	3570.3	3364.7	3148.8	2933.4	2724.0	2512.4	2304.3	2098.8	1897.2
10°	4033.9	3841.9	3646.3	3437.9	3217.7	2995.4	2779.7	2566.2	2353.6	2143.7	1936.1
7.5°	4103.9	3906.2	3704.1	3496.4	3275.9	3050.1	2827.9	2609.3	2392.1	2179.4	1966.4
5°	4155.6	3957.0	3754.2	3543.6	3321.1	3090.9	2863.5	2640.6	2419.5	2205.6	1988.0
2.5°	4195.3	3991.7	3788.4	3573.1	3350.3	3118.5	2888.9	2664.2	2441.3	2224.8	2007.0
0°	4223.4	4004.6	3808.1	3596.7	3368.7	3135.1	2905.2	2679.0	2454.7	2234.1	2017.1
-2.5°	4195.3	3991.7	3788.4	3573.1	3350.3	3118.5	2888.9	2664.2	2441.3	2224.8	2007.0
-5°	4155.6	3957.0	3754.2	3543.6	3321.1	3090.9	2863.5	2640.6	2419.5	2205.6	1988.0
-7.5°	4103.9	3906.2	3704.1	3496.4	3275.9	3050.1	2827.9	2609.3	2392.1	2179.4	1966.4
-10°	4033.9	3841.9	3646.3	3437.9	3217.7	2995.4	2779.7	2566.2	2353.6	2143.7	1936.1
-12.5°	3931.8	3755.2	3570.3	3364.7	3148.8	2933.4	2724.0	2512.4	2304.3	2098.8	1897.2
-15°	3818.1	3649.3	3464.2	3269.8	3066.4	2860.0	2658.6	2448.5	2246.2	2046.3	1850.0
-17.5°	3692.8	3523.9	3341.1	3156.7	2966.2	2777.2	2577.8	2375.6	2180.9	1989.0	1797.6
-20°	3550.7	3384.4	3210.2	3035.2	2856.3	2676.8	2482.4	2293.0	2109.3	1924.2	1740.9

Classified

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

Scaled Data Report



REPORT NUMBER: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA2B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3390.5	3235.7	3072.5	2906.4	2737.2	2561.8	2380.4	2202.3	2031.5	1851.2	1676.5
-25°	3216.8	3075.4	2923.9	2768.7	2607.9	2441.0	2270.8	2105.5	1940.6	1772.6	1605.5
-27.5°	3036.3	2905.3	2768.1	2622.7	2471.1	2314.4	2156.1	1999.9	1841.9	1685.0	1532.6
-30°	2850.9	2730.9	2604.6	2470.1	2328.1	2182.1	2034.8	1888.5	1740.3	1592.7	1451.3
-32.5°	2661.6	2553.2	2436.6	2312.1	2181.2	2047.1	1911.2	1773.0	1634.0	1499.9	1366.2
-35°	2473.9	2373.8	2265.7	2152.0	2033.1	1909.9	1783.4	1655.5	1528.5	1402.8	1277.4
-37.5°	2284.5	2193.1	2095.1	1991.0	1883.0	1770.4	1655.2	1538.3	1420.2	1304.1	1188.3
-40°	2099.8	2015.2	1924.8	1830.3	1733.8	1632.3	1527.5	1419.5	1312.5	1204.6	1097.8
-42.5°	1919.3	1841.1	1758.2	1675.5	1587.0	1494.8	1399.1	1302.1	1203.5	1105.4	1011.0
-45°	1738.1	1668.6	1596.9	1521.7	1440.5	1358.2	1272.4	1184.3	1094.7	1009.6	923.2
-47.5°	1557.9	1501.6	1437.6	1369.3	1298.3	1223.7	1147.2	1066.8	992.2	914.9	841.2
-50°	1394.0	1341.9	1284.4	1222.7	1160.7	1093.9	1026.6	959.8	892.4	825.7	760.8
-52.5°	1232.6	1187.2	1137.2	1083.5	1027.8	970.1	911.4	855.8	796.3	741.9	687.8
-55°	1076.1	1038.1	995.0	947.7	898.8	854.4	806.1	757.6	711.9	663.9	619.1
-57.5°	929.1	897.0	862.6	826.0	787.2	748.9	710.3	670.3	632.4	592.8	552.1
-60°	796.5	770.4	744.1	715.4	684.1	651.4	621.5	589.8	556.2	523.7	487.8
-62.5°	676.9	659.4	636.5	613.3	589.7	565.3	539.0	512.9	486.3	457.6	424.9
-65°	564.1	550.3	533.5	517.5	500.1	481.1	459.6	438.4	416.1	391.8	362.7
-67.5°	461.5	452.0	440.4	428.0	415.5	400.9	384.1	365.8	347.6	327.3	304.4
-70°	374.7	368.6	360.4	350.1	340.1	329.6	317.1	302.1	284.5	266.2	249.5
-72.5°	304.5	300.6	295.1	287.6	278.7	269.2	257.5	243.9	228.8	212.2	197.3
-75°	246.7	245.0	241.5	233.8	224.6	213.9	202.7	190.3	175.9	159.3	145.1
-77.5°	195.7	195.9	194.3	186.0	176.8	166.8	155.3	141.3	127.2	113.0	102.1
-80°	143.7	144.6	143.7	135.3	126.8	118.3	109.2	97.5	85.7	74.4	66.0
-82.5°	89.1	88.7	87.4	82.4	77.3	72.3	66.9	58.9	51.0	43.4	36.7
-85°	42.4	40.8	39.0	37.1	35.2	33.2	31.0	27.2	23.6	20.3	17.4
-87.5°	7.0	6.8	6.7	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.2
-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: P626851 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2B-730-U-VWR-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°	5.3	5.4	5.4	5.3	4.7	4.2	3.6	3.1	2.8	2.5	2.2
85°	17.5	17.1	16.2	14.7	11.6	8.3	7.2	6.2	5.7	5.1	4.4
82.5°	36.6	36.9	36.9	35.8	31.6	27.2	22.5	17.7	13.1	8.3	6.7
80°	66.1	65.4	63.8	60.8	53.8	46.0	40.1	34.0	28.1	21.8	15.4
77.5°	99.9	97.1	93.6	89.6	82.3	73.6	63.7	52.4	42.9	35.3	27.3
75°	137.8	133.2	128.3	121.7	112.3	101.4	90.5	77.4	62.8	49.1	39.2
72.5°	185.2	174.2	164.4	155.1	144.8	132.8	118.9	101.9	84.3	67.6	51.9
70°	233.2	216.7	202.0	189.4	177.1	164.4	149.1	128.3	105.3	85.6	67.2
67.5°	282.0	262.5	242.8	223.9	208.4	193.5	178.7	154.5	128.1	103.3	82.1
65°	335.8	309.8	284.8	261.5	240.3	221.7	204.4	179.0	150.3	122.3	96.6
62.5°	391.3	358.1	328.4	298.7	272.4	249.8	229.0	200.9	171.5	140.8	111.8
60°	449.6	411.7	372.3	337.6	305.4	276.8	251.6	222.6	191.3	158.5	126.8
57.5°	511.0	466.5	422.2	378.3	339.6	305.3	273.6	243.1	210.7	176.0	140.9
55°	573.2	525.3	472.9	423.4	375.9	335.0	296.9	262.7	229.5	193.2	153.0
52.5°	635.5	582.9	526.6	469.4	416.2	365.1	322.5	281.9	246.9	210.0	165.6
50°	700.6	640.3	580.0	518.3	456.4	400.4	347.2	303.9	263.7	225.9	177.5
47.5°	768.4	701.2	634.1	566.6	500.3	434.2	376.1	325.4	279.9	240.4	188.7
45°	842.7	764.1	689.9	616.9	541.9	470.6	405.4	346.0	298.3	251.6	198.9
42.5°	916.9	830.5	747.6	666.4	585.4	506.8	433.1	370.3	315.9	262.4	208.3
40°	995.9	897.1	805.2	717.2	627.9	541.3	463.8	393.9	332.4	273.6	217.3
37.5°	1072.7	965.4	864.4	765.6	669.6	578.5	493.3	416.1	348.0	286.1	225.7
35°	1154.0	1034.1	919.2	814.4	712.4	613.8	520.9	438.4	366.1	298.4	233.7
32.5°	1232.5	1101.2	978.0	862.5	753.4	647.0	549.4	462.1	383.4	310.2	241.2
30°	1309.7	1168.5	1034.3	908.0	793.0	681.9	577.9	484.2	400.0	321.7	248.6
27.5°	1380.9	1230.9	1088.3	955.0	832.0	715.0	604.8	504.7	415.7	333.5	257.3
25°	1447.2	1290.9	1141.5	1000.3	868.2	746.4	629.6	523.7	431.7	345.8	265.4
22.5°	1509.4	1346.7	1189.8	1042.0	901.7	775.2	653.8	543.9	446.8	357.1	272.7
20°	1565.9	1396.9	1233.0	1079.7	934.3	802.6	677.0	562.0	460.4	367.4	279.4
17.5°	1616.8	1442.8	1274.2	1115.0	964.6	827.0	697.7	578.0	472.2	376.6	285.2
15°	1664.1	1484.5	1310.6	1145.8	990.9	848.2	715.7	591.7	482.4	384.5	290.8
12.5°	1704.7	1520.2	1341.6	1172.0	1013.0	866.2	730.9	603.3	490.9	391.7	296.1
10°	1738.2	1549.8	1366.8	1193.4	1030.9	880.8	743.3	613.0	498.8	397.9	300.1
7.5°	1764.2	1572.9	1386.3	1210.0	1045.1	893.0	753.8	621.4	505.2	402.7	302.9
5°	1783.9	1591.0	1403.2	1223.8	1058.2	902.9	761.5	627.4	509.8	406.0	304.5
2.5°	1801.4	1604.5	1416.5	1232.8	1067.0	909.3	766.1	631.0	512.7	407.8	304.9
0°	1811.3	1611.1	1423.9	1236.6	1071.6	912.2	767.6	632.2	513.6	407.9	304.1
-2.5°	1801.4	1604.5	1416.5	1232.8	1067.0	909.3	766.1	631.0	512.7	407.8	304.9
-5°	1783.9	1591.0	1403.2	1223.8	1058.2	902.9	761.5	627.4	509.8	406.0	304.5
-7.5°	1764.2	1572.9	1386.3	1210.0	1045.1	893.0	753.8	621.4	505.2	402.7	302.9
-10°	1738.2	1549.8	1366.8	1193.4	1030.9	880.8	743.3	613.0	498.8	397.9	300.1
-12.5°	1704.7	1520.2	1341.6	1172.0	1013.0	866.2	730.9	603.3	490.9	391.7	296.1
-15°	1664.1	1484.5	1310.6	1145.8	990.9	848.2	715.7	591.7	482.4	384.5	290.8
-17.5°	1616.8	1442.8	1274.2	1115.0	964.6	827.0	697.7	578.0	472.2	376.6	285.2
-20°	1565.9	1396.9	1233.0	1079.7	934.3	802.6	677.0	562.0	460.4	367.4	279.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1509.4	1346.7	1189.8	1042.0	901.7	775.2	653.8	543.9	446.8	357.1	272.7
-25°	1447.2	1290.9	1141.5	1000.3	868.2	746.4	629.6	523.7	431.7	345.8	265.4
-27.5°	1380.9	1230.9	1088.3	955.0	832.0	715.0	604.8	504.7	415.7	333.5	257.3
-30°	1309.7	1168.5	1034.3	908.0	793.0	681.9	577.9	484.2	400.0	321.7	248.6
-32.5°	1232.5	1101.2	978.0	862.5	753.4	647.0	549.4	462.1	383.4	310.2	241.2
-35°	1154.0	1034.1	919.2	814.4	712.4	613.8	520.9	438.4	366.1	298.4	233.7
-37.5°	1072.7	965.4	864.4	765.6	669.6	578.5	493.3	416.1	348.0	286.1	225.7
-40°	995.9	897.1	805.2	717.2	627.9	541.3	463.8	393.9	332.4	273.6	217.3
-42.5°	916.9	830.5	747.6	666.4	585.4	506.8	433.1	370.3	315.9	262.4	208.3
-45°	842.7	764.1	689.9	616.9	541.9	470.6	405.4	346.0	298.3	251.6	198.9
-47.5°	768.4	701.2	634.1	566.6	500.3	434.2	376.1	325.4	279.9	240.4	188.7
-50°	700.6	640.3	580.0	518.3	456.4	400.4	347.2	303.9	263.7	225.9	177.5
-52.5°	635.5	582.9	526.6	469.4	416.2	365.1	322.5	281.9	246.9	210.0	165.6
-55°	573.2	525.3	472.9	423.4	375.9	335.0	296.9	262.7	229.5	193.2	153.0
-57.5°	511.0	466.5	422.2	378.3	339.6	305.3	273.6	243.1	210.7	176.0	140.9
-60°	449.6	411.7	372.3	337.6	305.4	276.8	251.6	222.6	191.3	158.5	126.8
-62.5°	391.3	358.1	328.4	298.7	272.4	249.8	229.0	200.9	171.5	140.8	111.8
-65°	335.8	309.8	284.8	261.5	240.3	221.7	204.4	179.0	150.3	122.3	96.6
-67.5°	282.0	262.5	242.8	223.9	208.4	193.5	178.7	154.5	128.1	103.3	82.1
-70°	233.2	216.7	202.0	189.4	177.1	164.4	149.1	128.3	105.3	85.6	67.2
-72.5°	185.2	174.2	164.4	155.1	144.8	132.8	118.9	101.9	84.3	67.6	51.9
-75°	137.8	133.2	128.3	121.7	112.3	101.4	90.5	77.4	62.8	49.1	39.2
-77.5°	99.9	97.1	93.6	89.6	82.3	73.6	63.7	52.4	42.9	35.3	27.3
-80°	66.1	65.4	63.8	60.8	53.8	46.0	40.1	34.0	28.1	21.8	15.4
-82.5°	36.6	36.9	36.9	35.8	31.6	27.2	22.5	17.7	13.1	8.3	6.7
-85°	17.5	17.1	16.2	14.7	11.6	8.3	7.2	6.2	5.7	5.1	4.4
-87.5°	5.3	5.4	5.4	5.3	4.7	4.2	3.6	3.1	2.8	2.5	2.2
-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°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
85°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
82.5°	5.7	4.8	3.8	2.9	1.9	0.8	0.0
80°	8.6	6.4	5.1	3.8	2.6	1.1	0.0
77.5°	18.8	10.0	6.4	4.8	3.2	1.4	0.0
75°	28.7	17.3	8.3	5.7	3.8	1.7	0.0
72.5°	38.4	24.4	13.3	6.7	4.4	1.9	0.0
70°	48.0	31.3	18.0	8.0	5.0	2.2	0.0
67.5°	59.6	37.8	22.6	10.9	5.6	2.5	0.0
65°	70.6	45.2	27.0	13.8	6.1	2.7	0.0
62.5°	81.1	53.2	31.2	16.5	6.6	3.0	0.0
60°	91.0	60.9	35.1	19.1	7.2	3.2	0.0
57.5°	101.4	68.0	40.3	21.5	8.6	3.4	0.0
55°	111.3	74.7	45.3	23.7	10.0	3.6	0.0
52.5°	120.4	81.0	49.9	25.8	11.4	3.8	0.0
50°	128.8	87.7	54.1	27.7	12.7	4.0	0.0
47.5°	136.6	93.8	58.0	29.7	13.9	4.2	0.0
45°	145.3	99.4	61.5	32.3	15.1	4.4	0.0
42.5°	153.3	104.3	64.6	34.6	16.2	4.6	0.0
40°	160.6	108.6	67.7	37.0	17.2	4.7	0.0
37.5°	167.0	112.2	70.8	39.3	18.2	4.9	0.0
35°	172.8	116.5	73.4	41.5	19.1	5.0	0.0
32.5°	178.1	120.7	75.6	43.5	20.0	5.1	0.0
30°	183.6	124.3	77.4	45.4	20.7	5.2	0.0
27.5°	188.5	127.3	80.1	47.1	21.4	5.3	0.0
25°	192.9	129.7	82.6	48.6	22.0	5.4	0.0
22.5°	196.6	132.1	84.7	49.9	22.6	5.5	0.0
20°	199.7	135.4	86.6	51.1	23.1	5.6	0.0
17.5°	203.5	138.1	88.2	52.0	23.4	5.6	0.0
15°	207.5	140.1	89.5	52.8	23.8	5.6	0.0
12.5°	210.8	141.6	90.5	53.4	24.0	5.7	0.0
10°	213.3	142.6	91.1	53.9	24.2	5.7	0.0
7.5°	215.0	143.0	91.5	54.1	24.3	5.7	0.0
5°	215.9	142.8	91.5	54.2	24.3	5.7	0.0
2.5°	215.9	142.1	91.3	54.1	24.2	5.6	0.0
0°	215.1	140.9	90.8	53.8	24.1	5.6	0.0
-2.5°	215.9	142.1	91.3	54.1	24.2	5.6	0.0
-5°	215.9	142.8	91.5	54.2	24.3	5.7	0.0
-7.5°	215.0	143.0	91.5	54.1	24.3	5.7	0.0
-10°	213.3	142.6	91.1	53.9	24.2	5.7	0.0
-12.5°	210.8	141.6	90.5	53.4	24.0	5.7	0.0
-15°	207.5	140.1	89.5	52.8	23.8	5.6	0.0
-17.5°	203.5	138.1	88.2	52.0	23.4	5.6	0.0
-20°	199.7	135.4	86.6	51.1	23.1	5.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	196.6	132.1	84.7	49.9	22.6	5.5	0.0
-25°	192.9	129.7	82.6	48.6	22.0	5.4	0.0
-27.5°	188.5	127.3	80.1	47.1	21.4	5.3	0.0
-30°	183.6	124.3	77.4	45.4	20.7	5.2	0.0
-32.5°	178.1	120.7	75.6	43.5	20.0	5.1	0.0
-35°	172.8	116.5	73.4	41.5	19.1	5.0	0.0
-37.5°	167.0	112.2	70.8	39.3	18.2	4.9	0.0
-40°	160.6	108.6	67.7	37.0	17.2	4.7	0.0
-42.5°	153.3	104.3	64.6	34.6	16.2	4.6	0.0
-45°	145.3	99.4	61.5	32.3	15.1	4.4	0.0
-47.5°	136.6	93.8	58.0	29.7	13.9	4.2	0.0
-50°	128.8	87.7	54.1	27.7	12.7	4.0	0.0
-52.5°	120.4	81.0	49.9	25.8	11.4	3.8	0.0
-55°	111.3	74.7	45.3	23.7	10.0	3.6	0.0
-57.5°	101.4	68.0	40.3	21.5	8.6	3.4	0.0
-60°	91.0	60.9	35.1	19.1	7.2	3.2	0.0
-62.5°	81.1	53.2	31.2	16.5	6.6	3.0	0.0
-65°	70.6	45.2	27.0	13.8	6.1	2.7	0.0
-67.5°	59.6	37.8	22.6	10.9	5.6	2.5	0.0
-70°	48.0	31.3	18.0	8.0	5.0	2.2	0.0
-72.5°	38.4	24.4	13.3	6.7	4.4	1.9	0.0
-75°	28.7	17.3	8.3	5.7	3.8	1.7	0.0
-77.5°	18.8	10.0	6.4	4.8	3.2	1.4	0.0
-80°	8.6	6.4	5.1	3.8	2.6	1.1	0.0
-82.5°	5.7	4.8	3.8	2.9	1.9	0.8	0.0
-85°	3.8	3.2	2.6	1.9	1.3	0.6	0.0
-87.5°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)