

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: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-750-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645450 (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-SA3E-750-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

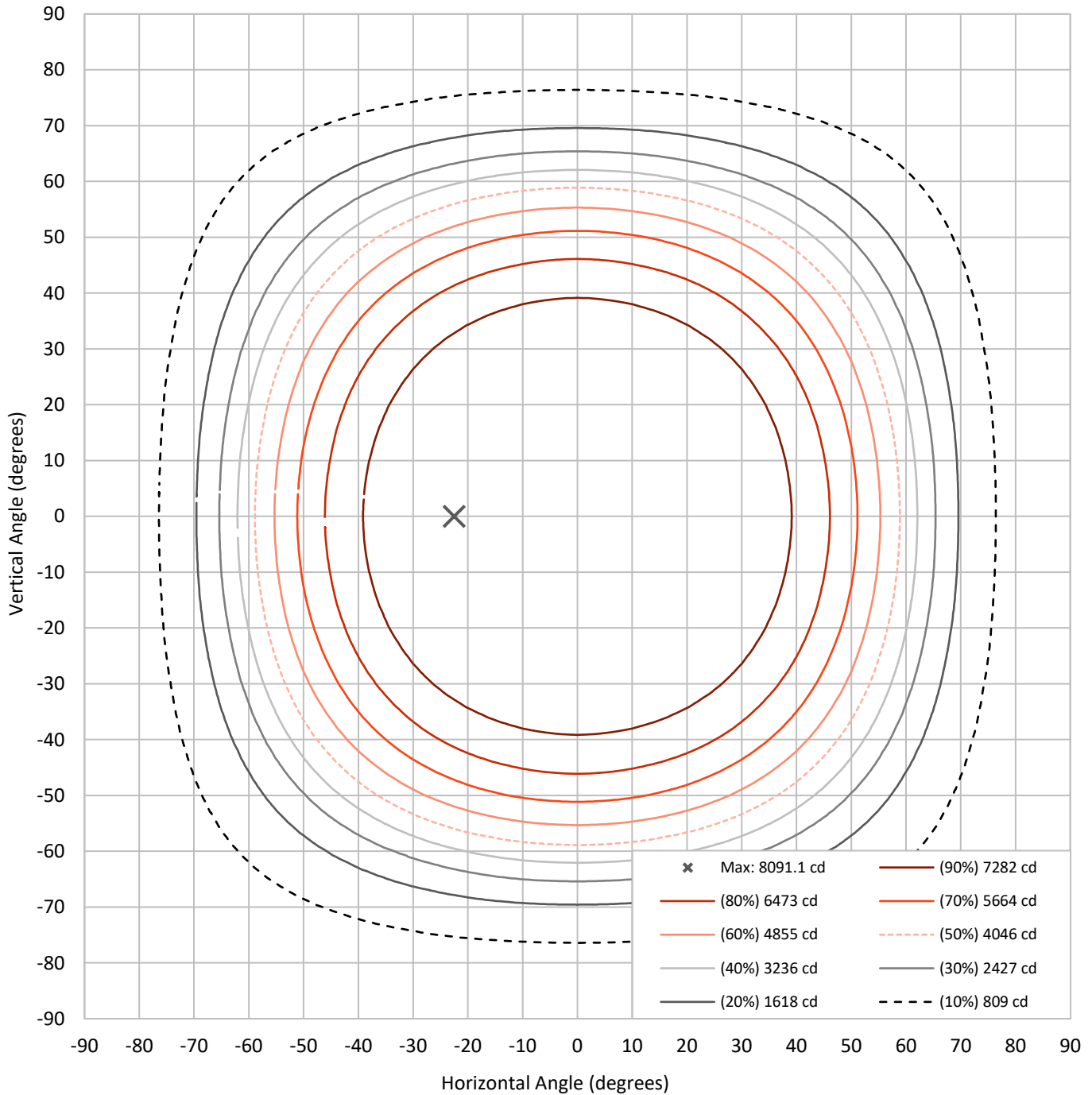
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	24751.1 lumens	Max Intensity:	8091.1 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	133.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	20598.3 lumens	Field Lumens:	24264.3 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
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





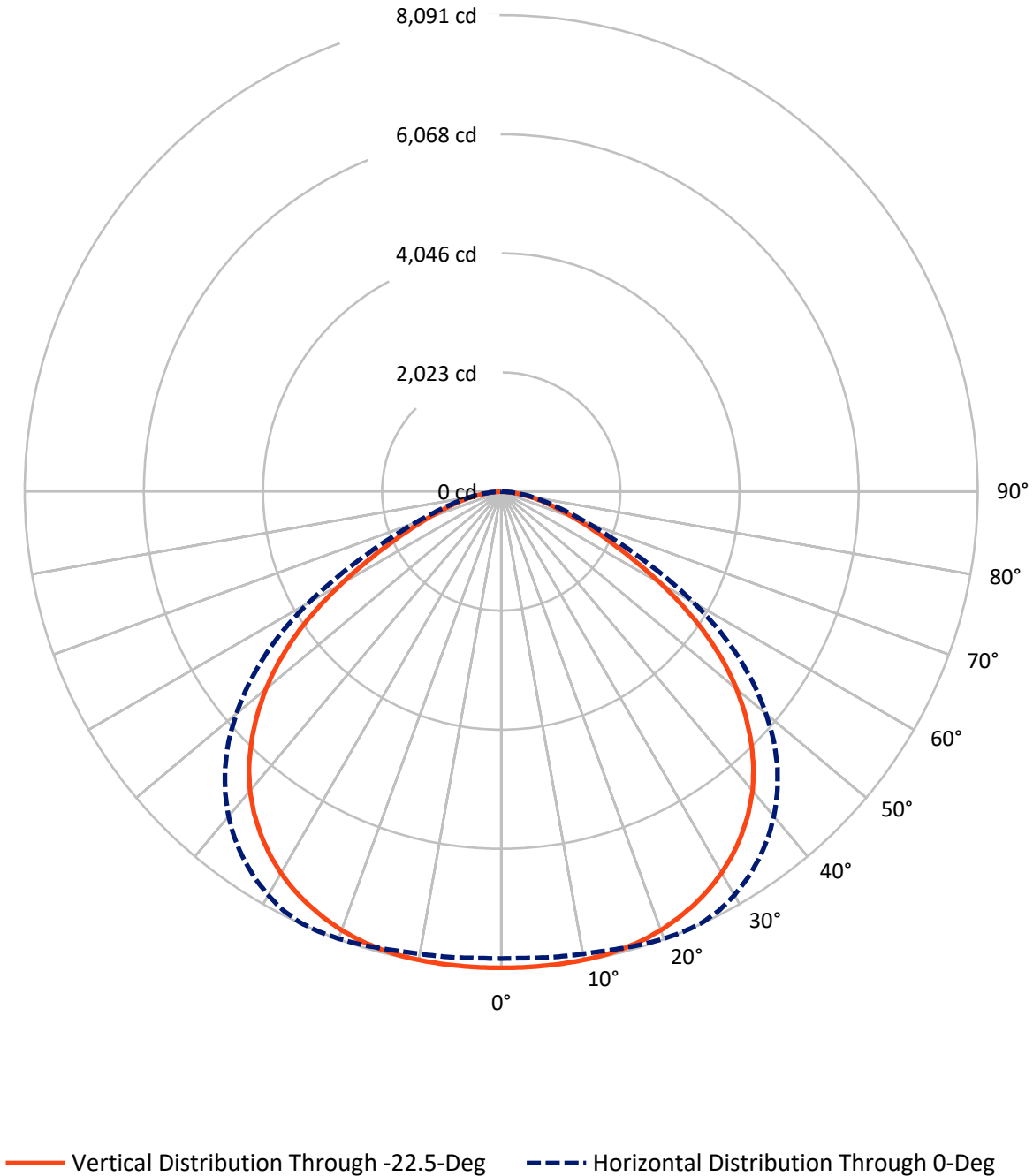
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Lumen Table

90																		
80	1.2	12.8	36.3	60.3	70.6	60.3	36.3	12.8	1.2									
70																		
60	6.1	7.2	15.1	26.3	40.7	56.2	69.4	76.8	76.8	69.4	56.2	40.7	26.3	15.1	7.2			6.1
50																		
40	11.6	11.2	25.7	49.7	81.3	111.9	134.8	146.9	146.9	134.8	111.9	81.3	49.7	25.7	11.2			11.6
30																		
20	15.8	16.0	40.6	80.9	124.0	160.1	185.6	198.6	198.6	185.6	160.1	124.0	80.9	40.6	16.0			15.8
10																		
0	17.5	21.4	57.4	107.2	154.1	191.6	216.8	229.4	229.4	216.8	191.6	154.1	107.2	57.4	21.4			17.5
-10																		
-20	15.8	26.8	71.5	125.2	173.3	209.8	233.1	243.5	243.5	233.1	209.8	173.3	125.2	71.5	26.8			15.8
-30																		
-40	11.6	31.1	80.7	136.2	184.0	218.8	237.2	243.6	243.6	237.2	218.8	184.0	136.2	80.7	31.1			11.6
-50																		
-60	6.1	33.4	85.3	141.4	188.8	221.5	236.2	241.4	241.4	236.2	221.5	188.8	141.4	85.3	33.4			6.1
-70																		
-80	1.2	33.4	85.3	141.4	188.8	221.5	236.2	241.4	241.4	236.2	221.5	188.8	141.4	85.3	33.4			1.2
-90																		

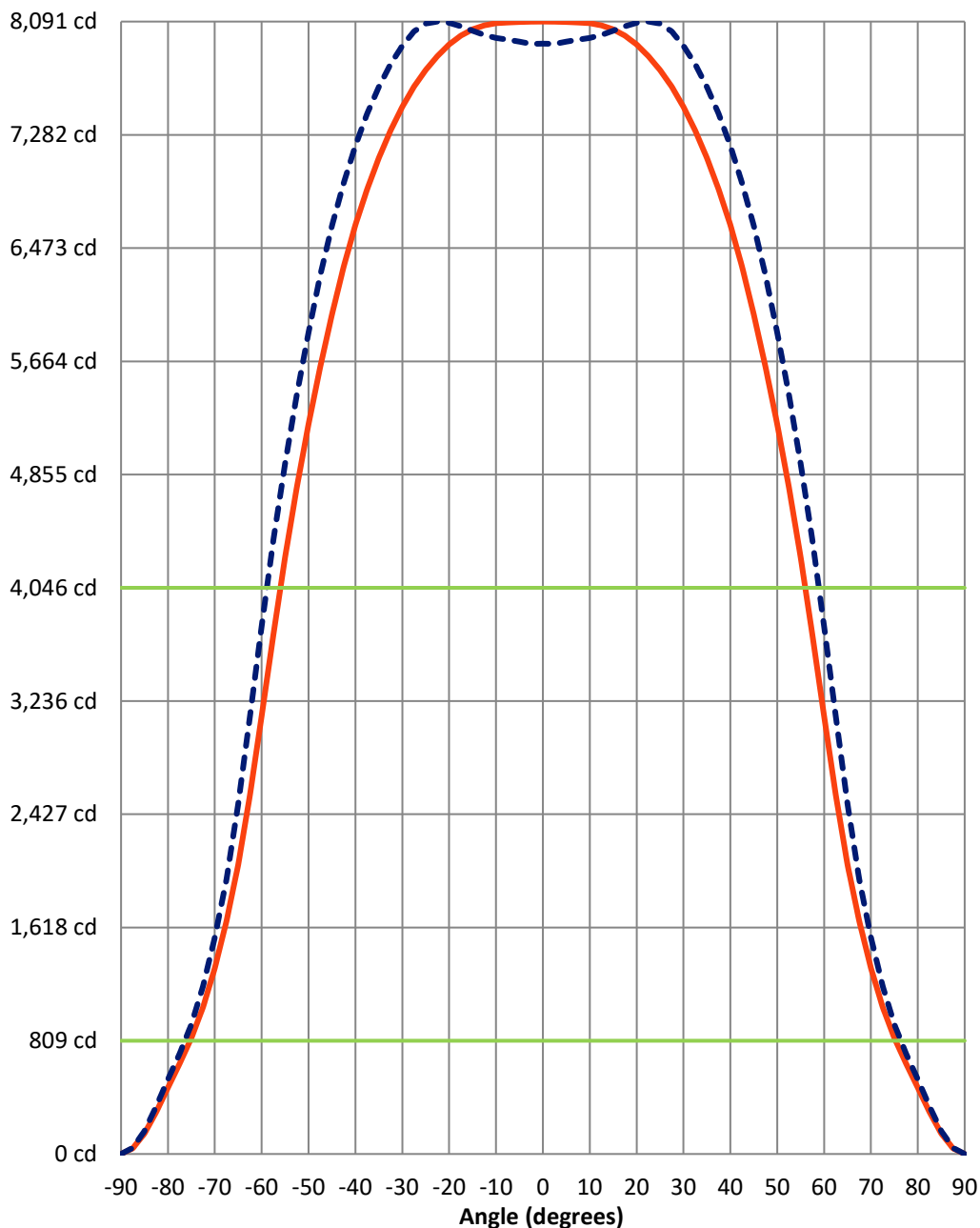
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 20598.3
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 24264.3
 Efficiency: 98.0%

Spill:
 Lumens: 486.8
 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	1.9	3.9	5.8	7.7	9.6	11.5	13.3	15.1	16.9	18.7
85°	0.0	3.9	7.7	11.6	15.4	19.2	22.9	26.6	30.3	33.9	37.4
82.5°	0.0	5.8	11.6	17.3	23.0	28.7	34.3	39.9	47.1	61.8	76.2
80°	0.0	7.7	15.4	23.0	30.6	38.2	48.0	68.1	87.9	107.4	126.6
77.5°	0.0	9.6	19.2	28.7	38.2	53.2	78.6	103.6	128.4	152.7	182.1
75°	0.0	11.5	22.9	34.3	48.0	78.6	108.9	138.9	170.2	212.7	254.4
72.5°	0.0	13.3	26.6	39.9	68.1	103.6	138.9	177.9	228.0	277.4	326.0
70°	0.0	15.1	30.3	47.1	87.9	128.4	170.2	228.0	285.1	341.5	402.5
67.5°	0.0	16.9	33.9	61.8	107.4	152.7	212.7	277.4	341.5	411.0	479.4
65°	0.0	18.7	37.4	76.2	126.6	182.1	254.4	326.0	402.5	479.4	554.2
62.5°	0.0	20.5	40.9	90.3	145.4	216.3	295.3	377.1	462.4	546.0	625.2
60°	0.0	22.1	44.3	104.1	163.8	249.7	335.4	428.5	521.1	608.8	694.8
57.5°	0.0	23.8	53.2	117.6	189.5	282.3	378.0	478.7	576.3	670.3	769.2
55°	0.0	25.4	61.9	130.7	214.9	314.1	420.0	527.6	629.6	732.0	844.8
52.5°	0.0	27.0	70.4	143.4	239.6	345.4	460.7	573.3	681.5	798.2	918.3
50°	0.0	28.5	78.6	155.7	263.4	378.3	500.2	617.2	733.7	862.5	1009.7
47.5°	0.0	29.9	86.5	168.8	286.4	410.0	538.1	659.7	788.9	924.6	1100.5
45°	0.0	31.3	94.1	185.4	308.6	440.5	573.1	700.5	842.0	1002.8	1188.1
42.5°	0.0	32.7	101.3	201.3	329.8	469.8	606.6	742.8	893.0	1078.4	1291.3
40°	0.0	33.9	108.3	216.5	351.0	497.7	638.6	785.4	946.7	1150.7	1393.3
37.5°	0.0	35.1	114.8	230.8	372.2	524.2	669.1	825.8	1007.7	1224.6	1490.5
35°	0.0	36.3	121.1	244.4	392.2	548.5	697.9	864.1	1065.4	1307.1	1589.7
32.5°	0.0	37.4	126.9	257.2	411.0	571.0	726.1	900.2	1119.8	1384.9	1694.1
30°	0.0	38.4	132.4	269.2	428.6	592.1	754.8	936.4	1170.7	1457.8	1791.9
27.5°	0.0	39.3	137.4	280.2	444.9	611.6	781.5	977.6	1222.7	1525.6	1883.0
25°	0.0	40.1	142.1	290.4	459.9	629.6	806.1	1015.5	1277.8	1596.2	1968.0
22.5°	0.0	40.9	146.3	299.7	473.6	645.9	828.6	1050.0	1328.1	1664.7	2067.4
20°	0.0	41.6	150.1	308.0	485.9	660.7	848.8	1081.2	1373.5	1726.5	2157.0
17.5°	0.0	42.2	153.5	315.4	496.8	673.8	866.7	1108.8	1413.8	1781.4	2236.8
15°	0.0	42.8	156.5	321.9	506.3	685.2	882.3	1132.9	1449.0	1829.3	2306.4
12.5°	0.0	43.2	159.0	327.4	514.4	694.8	895.6	1153.5	1478.9	1870.1	2365.7
10°	0.0	43.6	161.0	331.9	521.1	702.8	906.5	1170.3	1503.5	1903.6	2414.5
7.5°	0.0	43.9	162.6	335.4	526.2	709.0	915.0	1183.4	1522.7	1929.7	2452.5
5°	0.0	44.1	163.8	337.9	529.9	713.4	921.1	1192.9	1536.4	1948.5	2479.8
2.5°	0.0	44.3	164.5	339.4	532.2	716.1	924.8	1198.5	1544.6	1959.7	2496.2
0°	0.0	44.3	164.7	339.9	532.9	717.0	926.0	1200.4	1547.4	1963.5	2501.7
-2.5°	0.0	44.3	164.5	339.4	532.2	716.1	924.8	1198.5	1544.6	1959.7	2496.2
-5°	0.0	44.1	163.8	337.9	529.9	713.4	921.1	1192.9	1536.4	1948.5	2479.8
-7.5°	0.0	43.9	162.6	335.4	526.2	709.0	915.0	1183.4	1522.7	1929.7	2452.5
-10°	0.0	43.6	161.0	331.9	521.1	702.8	906.5	1170.3	1503.5	1903.6	2414.5
-12.5°	0.0	43.2	159.0	327.4	514.4	694.8	895.6	1153.5	1478.9	1870.1	2365.7
-15°	0.0	42.8	156.5	321.9	506.3	685.2	882.3	1132.9	1449.0	1829.3	2306.4
-17.5°	0.0	42.2	153.5	315.4	496.8	673.8	866.7	1108.8	1413.8	1781.4	2236.8
-20°	0.0	41.6	150.1	308.0	485.9	660.7	848.8	1081.2	1373.5	1726.5	2157.0

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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	40.9	146.3	299.7	473.6	645.9	828.6	1050.0	1328.1	1664.7	2067.4
-25°	0.0	40.1	142.1	290.4	459.9	629.6	806.1	1015.5	1277.8	1596.2	1968.0
-27.5°	0.0	39.3	137.4	280.2	444.9	611.6	781.5	977.6	1222.7	1525.6	1883.0
-30°	0.0	38.4	132.4	269.2	428.6	592.1	754.8	936.4	1170.7	1457.8	1791.9
-32.5°	0.0	37.4	126.9	257.2	411.0	571.0	726.1	900.2	1119.8	1384.9	1694.1
-35°	0.0	36.3	121.1	244.4	392.2	548.5	697.9	864.1	1065.4	1307.1	1589.7
-37.5°	0.0	35.1	114.8	230.8	372.2	524.2	669.1	825.8	1007.7	1224.6	1490.5
-40°	0.0	33.9	108.3	216.5	351.0	497.7	638.6	785.4	946.7	1150.7	1393.3
-42.5°	0.0	32.7	101.3	201.3	329.8	469.8	606.6	742.8	893.0	1078.4	1291.3
-45°	0.0	31.3	94.1	185.4	308.6	440.5	573.1	700.5	842.0	1002.8	1188.1
-47.5°	0.0	29.9	86.5	168.8	286.4	410.0	538.1	659.7	788.9	924.6	1100.5
-50°	0.0	28.5	78.6	155.7	263.4	378.3	500.2	617.2	733.7	862.5	1009.7
-52.5°	0.0	27.0	70.4	143.4	239.6	345.4	460.7	573.3	681.5	798.2	918.3
-55°	0.0	25.4	61.9	130.7	214.9	314.1	420.0	527.6	629.6	732.0	844.8
-57.5°	0.0	23.8	53.2	117.6	189.5	282.3	378.0	478.7	576.3	670.3	769.2
-60°	0.0	22.1	44.3	104.1	163.8	249.7	335.4	428.5	521.1	608.8	694.8
-62.5°	0.0	20.5	40.9	90.3	145.4	216.3	295.3	377.1	462.4	546.0	625.2
-65°	0.0	18.7	37.4	76.2	126.6	182.1	254.4	326.0	402.5	479.4	554.2
-67.5°	0.0	16.9	33.9	61.8	107.4	152.7	212.7	277.4	341.5	411.0	479.4
-70°	0.0	15.1	30.3	47.1	87.9	128.4	170.2	228.0	285.1	341.5	402.5
-72.5°	0.0	13.3	26.6	39.9	68.1	103.6	138.9	177.9	228.0	277.4	326.0
-75°	0.0	11.5	22.9	34.3	48.0	78.6	108.9	138.9	170.2	212.7	254.4
-77.5°	0.0	9.6	19.2	28.7	38.2	53.2	78.6	103.6	128.4	152.7	182.1
-80°	0.0	7.7	15.4	23.0	30.6	38.2	48.0	68.1	87.9	107.4	126.6
-82.5°	0.0	5.8	11.6	17.3	23.0	28.7	34.3	39.9	47.1	61.8	76.2
-85°	0.0	3.9	7.7	11.6	15.4	19.2	22.9	26.6	30.3	33.9	37.4
-87.5°	0.0	1.9	3.9	5.8	7.7	9.6	11.5	13.3	15.1	16.9	18.7
-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°	20.5	22.1	23.8	25.4	27.0	28.5	29.9	31.3	32.7	33.9	35.1
85°	40.9	44.3	53.2	61.9	70.4	78.6	86.5	94.1	101.3	108.3	114.8
82.5°	90.3	104.1	117.6	130.7	143.4	155.7	168.8	185.4	201.3	216.5	230.8
80°	145.4	163.8	189.5	214.9	239.6	263.4	286.4	308.6	329.8	351.0	372.2
77.5°	216.3	249.7	282.3	314.1	345.4	378.3	410.0	440.5	469.8	497.7	524.2
75°	295.3	335.4	378.0	420.0	460.7	500.2	538.1	573.1	606.6	638.6	669.1
72.5°	377.1	428.5	478.7	527.6	573.3	617.2	659.7	700.5	742.8	785.4	825.8
70°	462.4	521.1	576.3	629.6	681.5	733.7	788.9	842.0	893.0	946.7	1007.7
67.5°	546.0	608.8	670.3	732.0	792.2	862.5	924.6	1002.8	1078.4	1150.7	1224.6
65°	625.2	694.8	769.2	844.8	918.3	1009.7	1100.5	1188.1	1291.3	1393.3	1490.5
62.5°	703.1	787.9	872.9	965.3	1071.5	1174.7	1294.4	1416.5	1534.0	1666.4	1795.3
60°	787.9	882.3	990.1	1108.8	1231.1	1373.5	1511.7	1664.7	1819.0	1968.0	2150.9
57.5°	872.9	990.1	1121.3	1262.8	1421.4	1581.4	1761.1	1935.1	2143.7	2352.1	2559.4
55°	965.3	1108.8	1262.8	1437.4	1620.1	1819.5	2027.9	2270.8	2505.9	2767.9	3018.7
52.5°	1071.5	1231.1	1421.4	1620.1	1839.0	2078.8	2347.7	2625.9	2918.8	3203.2	3482.2
50°	1174.7	1373.5	1581.4	1819.5	2078.8	2373.5	2686.3	3010.2	3330.0	3641.9	3934.0
47.5°	1294.4	1511.7	1761.1	2027.9	2347.7	2686.3	3040.8	3393.8	3738.7	4058.7	4365.1
45°	1416.5	1664.7	1935.1	2270.8	2625.9	3010.2	3393.8	3771.1	4121.5	4452.1	4741.4
42.5°	1534.0	1819.0	2143.7	2505.9	2918.8	3330.0	3738.7	4121.5	4480.5	4798.9	5089.5
40°	1666.4	1968.0	2352.1	2767.9	3203.2	3641.9	4058.7	4452.1	4798.9	5116.0	5410.2
37.5°	1795.3	2150.9	2559.4	3018.7	3482.2	3934.0	4365.1	4741.4	5089.5	5410.2	5692.5
35°	1917.7	2324.8	2779.7	3261.8	3748.4	4207.8	4627.4	5010.5	5356.3	5667.6	5956.2
32.5°	2053.8	2489.1	2988.3	3495.4	3991.0	4458.8	4874.8	5249.5	5593.3	5909.4	6196.0
30°	2194.1	2666.4	3186.1	3715.4	4218.8	4676.4	5091.7	5471.1	5812.2	6124.4	6405.3
27.5°	2324.8	2833.6	3374.9	3914.5	4426.9	4880.4	5290.2	5663.7	6006.8	6321.1	6593.3
25°	2445.5	2988.3	3549.7	4096.7	4602.1	5056.7	5470.1	5843.5	6184.6	6486.2	6750.8
22.5°	2564.7	3129.9	3709.8	4263.9	4763.1	5214.3	5623.9	5998.3	6339.6	6638.4	6892.3
20°	2680.6	3261.8	3851.1	4412.2	4909.2	5357.5	5764.0	6137.6	6469.8	6759.1	7011.9
17.5°	2783.7	3379.4	3974.6	4531.9	5029.3	5479.7	5887.9	6262.7	6587.0	6868.0	7115.2
15°	2873.8	3482.2	4082.8	4636.7	5132.6	5581.3	5989.5	6360.2	6682.2	6960.9	7206.3
12.5°	2950.5	3569.8	4175.0	4726.3	5220.9	5668.2	6076.5	6442.0	6758.6	7033.8	7273.9
10°	3013.6	3641.9	4251.0	4800.0	5293.8	5739.9	6148.4	6509.8	6822.0	7094.3	7330.2
7.5°	3063.0	3698.3	4310.4	4857.8	5350.8	5796.2	6204.9	6563.1	6871.9	7142.0	7374.6
5°	3098.3	3738.7	4353.0	4899.2	5391.8	5836.6	6245.5	6601.4	6907.8	7176.4	7406.6
2.5°	3119.6	3763.0	4378.6	4924.2	5416.5	5861.0	6269.9	6624.5	6929.5	7197.2	7426.0
0°	3126.7	3771.1	4387.2	4932.5	5424.7	5869.1	6278.1	6632.2	6936.7	7204.1	7432.5
-2.5°	3119.6	3763.0	4378.6	4924.2	5416.5	5861.0	6269.9	6624.5	6929.5	7197.2	7426.0
-5°	3098.3	3738.7	4353.0	4899.2	5391.8	5836.6	6245.5	6601.4	6907.8	7176.4	7406.6
-7.5°	3063.0	3698.3	4310.4	4857.8	5350.8	5796.2	6204.9	6563.1	6871.9	7142.0	7374.6
-10°	3013.6	3641.9	4251.0	4800.0	5293.8	5739.9	6148.4	6509.8	6822.0	7094.3	7330.2
-12.5°	2950.5	3569.8	4175.0	4726.3	5220.9	5668.2	6076.5	6442.0	6758.6	7033.8	7273.9
-15°	2873.8	3482.2	4082.8	4636.7	5132.6	5581.3	5989.5	6360.2	6682.2	6960.9	7206.3
-17.5°	2783.7	3379.4	3974.6	4531.9	5029.3	5479.7	5887.9	6262.7	6587.0	6868.0	7115.2
-20°	2680.6	3261.8	3851.1	4412.2	4909.2	5357.5	5764.0	6137.6	6469.8	6759.1	7011.9



REPORT NUMBER: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2564.7	3129.9	3709.8	4263.9	4763.1	5214.3	5623.9	5998.3	6339.6	6638.4	6892.3
-25°	2445.5	2988.3	3549.7	4096.7	4602.1	5056.7	5470.1	5843.5	6184.6	6486.2	6750.8
-27.5°	2324.8	2833.6	3374.9	3914.5	4426.9	4880.4	5290.2	5663.7	6006.8	6321.1	6593.3
-30°	2194.1	2666.4	3186.1	3715.4	4218.8	4676.4	5091.7	5471.1	5812.2	6124.4	6405.3
-32.5°	2053.8	2489.1	2988.3	3495.4	3991.0	4458.8	4874.8	5249.5	5593.3	5909.4	6196.0
-35°	1917.7	2324.8	2779.7	3261.8	3748.4	4207.8	4627.4	5010.5	5356.3	5667.6	5956.2
-37.5°	1795.3	2150.9	2559.4	3018.7	3482.2	3934.0	4365.1	4741.4	5089.5	5410.2	5692.5
-40°	1666.4	1968.0	2352.1	2767.9	3203.2	3641.9	4058.7	4452.1	4798.9	5116.0	5410.2
-42.5°	1534.0	1819.0	2143.7	2505.9	2918.8	3330.0	3738.7	4121.5	4480.5	4798.9	5089.5
-45°	1416.5	1664.7	1935.1	2270.8	2625.9	3010.2	3393.8	3771.1	4121.5	4452.1	4741.4
-47.5°	1294.4	1511.7	1761.1	2027.9	2347.7	2686.3	3040.8	3393.8	3738.7	4058.7	4365.1
-50°	1174.7	1373.5	1581.4	1819.5	2078.8	2373.5	2686.3	3010.2	3330.0	3641.9	3934.0
-52.5°	1071.5	1231.1	1421.4	1620.1	1839.0	2078.8	2347.7	2625.9	2918.8	3203.2	3482.2
-55°	965.3	1108.8	1262.8	1437.4	1620.1	1819.5	2027.9	2270.8	2505.9	2767.9	3018.7
-57.5°	872.9	990.1	1121.3	1262.8	1421.4	1581.4	1761.1	1935.1	2143.7	2352.1	2559.4
-60°	787.9	882.3	990.1	1108.8	1231.1	1373.5	1511.7	1664.7	1819.0	1968.0	2150.9
-62.5°	703.1	787.9	872.9	965.3	1071.5	1174.7	1294.4	1416.5	1534.0	1666.4	1795.3
-65°	625.2	694.8	769.2	844.8	918.3	1009.7	1100.5	1188.1	1291.3	1393.3	1490.5
-67.5°	546.0	608.8	670.3	732.0	798.2	862.5	924.6	1002.8	1078.4	1150.7	1224.6
-70°	462.4	521.1	576.3	629.6	681.5	733.7	788.9	842.0	893.0	946.7	1007.7
-72.5°	377.1	428.5	478.7	527.6	573.3	617.2	659.7	700.5	742.8	785.4	825.8
-75°	295.3	335.4	378.0	420.0	460.7	500.2	538.1	573.1	606.6	638.6	669.1
-77.5°	216.3	249.7	282.3	314.1	345.4	378.3	410.0	440.5	469.8	497.7	524.2
-80°	145.4	163.8	189.5	214.9	239.6	263.4	286.4	308.6	329.8	351.0	372.2
-82.5°	90.3	104.1	117.6	130.7	143.4	155.7	168.8	185.4	201.3	216.5	230.8
-85°	40.9	44.3	53.2	61.9	70.4	78.6	86.5	94.1	101.3	108.3	114.8
-87.5°	20.5	22.1	23.8	25.4	27.0	28.5	29.9	31.3	32.7	33.9	35.1
-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: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.3	37.4	38.4	39.3	40.1	40.9	41.6	42.2	42.8	43.2	43.6
85°	121.1	126.9	132.4	137.4	142.1	146.3	150.1	153.5	156.5	159.0	161.0
82.5°	244.4	257.2	269.2	280.2	290.4	299.7	308.0	315.4	321.9	327.4	331.9
80°	392.2	411.0	428.6	444.9	459.9	473.6	485.9	496.8	506.3	514.4	521.1
77.5°	548.5	571.0	592.1	611.6	629.6	645.9	660.7	673.8	685.2	694.8	702.8
75°	697.9	726.1	754.8	781.5	806.1	828.6	848.8	866.7	882.3	895.6	906.5
72.5°	864.1	900.2	936.4	977.6	1015.5	1050.0	1081.2	1108.8	1132.9	1153.5	1170.3
70°	1065.4	1119.8	1170.7	1222.7	1277.8	1328.1	1373.5	1413.8	1449.0	1478.9	1503.5
67.5°	1307.1	1384.9	1457.8	1525.6	1596.2	1664.7	1726.5	1781.4	1829.3	1870.1	1903.6
65°	1589.7	1694.1	1791.9	1883.0	1968.0	2067.4	2157.0	2236.8	2306.4	2365.7	2414.5
62.5°	1917.7	2053.8	2194.1	2324.8	2445.5	2564.7	2680.6	2783.7	2873.8	2950.5	3013.6
60°	2324.8	2489.1	2666.4	2833.6	2988.3	3129.9	3261.8	3379.4	3482.2	3569.8	3641.9
57.5°	2779.7	2988.3	3186.1	3374.9	3549.7	3709.8	3851.1	3974.6	4082.8	4175.0	4251.0
55°	3261.8	3495.4	3715.4	3914.5	4096.7	4263.9	4412.2	4531.9	4636.7	4726.3	4800.0
52.5°	3748.4	3991.0	4218.8	4426.9	4602.1	4763.1	4909.2	5029.3	5132.6	5220.9	5293.8
50°	4207.8	4458.8	4676.4	4880.4	5056.7	5214.3	5357.5	5479.7	5581.3	5668.2	5739.9
47.5°	4627.4	4874.8	5091.7	5290.2	5470.1	5623.9	5764.0	5887.9	5989.5	6076.5	6148.4
45°	5010.5	5249.5	5471.1	5663.7	5843.5	5998.3	6137.6	6262.7	6360.2	6442.0	6509.8
42.5°	5356.3	5593.3	5812.2	6006.8	6184.6	6339.6	6469.8	6587.0	6682.2	6758.6	6822.0
40°	5667.6	5909.4	6124.4	6321.1	6486.2	6638.4	6759.1	6868.0	6960.9	7033.8	7094.3
37.5°	5956.2	6196.0	6405.3	6593.3	6750.8	6892.3	7011.9	7115.2	7206.3	7273.9	7330.2
35°	6220.0	6447.9	6654.9	6827.3	6983.4	7116.7	7234.4	7329.6	7414.4	7478.8	7530.0
32.5°	6447.9	6673.8	6866.0	7035.7	7188.2	7312.5	7425.4	7512.7	7589.5	7651.5	7699.2
30°	6654.9	6866.0	7053.3	7221.5	7360.3	7481.4	7583.1	7668.3	7739.3	7798.4	7840.3
27.5°	6827.3	7035.7	7221.5	7376.4	7509.3	7625.9	7719.0	7801.0	7863.0	7917.4	7953.4
25°	6983.4	7188.2	7360.3	7509.3	7638.3	7744.8	7833.3	7907.6	7962.6	8009.2	8036.0
22.5°	7116.7	7312.5	7481.4	7625.9	7744.8	7844.3	7927.7	7990.6	8035.6	8063.8	8079.6
20°	7234.4	7425.4	7583.1	7719.0	7833.3	7927.7	8000.1	8046.6	8078.0	8085.7	8090.3
17.5°	7329.6	7512.7	7668.3	7801.0	7907.6	7990.6	8046.6	8079.4	8088.9	8087.2	8082.5
15°	7414.4	7589.5	7739.3	7863.0	7962.6	8035.6	8078.0	8088.9	8086.1	8076.6	8062.0
12.5°	7478.8	7651.5	7798.4	7917.4	8009.2	8063.8	8085.7	8087.2	8076.6	8058.5	8037.8
10°	7530.0	7699.2	7840.3	7953.4	8036.0	8079.6	8090.3	8082.5	8062.0	8037.8	8014.8
7.5°	7570.6	7737.0	7873.7	7982.2	8053.6	8084.5	8086.8	8072.2	8047.6	8020.1	7995.3
5°	7600.0	7764.4	7897.9	8003.2	8066.4	8088.1	8084.3	8064.1	8035.7	8006.9	7984.2
2.5°	7617.7	7781.0	7912.7	8016.0	8074.3	8090.4	8082.7	8059.1	8028.2	7998.4	7976.8
0°	7623.7	7786.6	7917.6	8020.3	8076.9	8091.1	8082.2	8057.4	8025.6	7995.5	7974.2
-2.5°	7617.7	7781.0	7912.7	8016.0	8074.3	8090.4	8082.7	8059.1	8028.2	7998.4	7976.8
-5°	7600.0	7764.4	7897.9	8003.2	8066.4	8088.1	8084.3	8064.1	8035.7	8006.9	7984.2
-7.5°	7570.6	7737.0	7873.7	7982.2	8053.6	8084.5	8086.8	8072.2	8047.6	8020.1	7995.3
-10°	7530.0	7699.2	7840.3	7953.4	8036.0	8079.6	8090.3	8082.5	8062.0	8037.8	8014.8
-12.5°	7478.8	7651.5	7798.4	7917.4	8009.2	8063.8	8085.7	8087.2	8076.6	8058.5	8037.8
-15°	7414.4	7589.5	7739.3	7863.0	7962.6	8035.6	8078.0	8088.9	8086.1	8076.6	8062.0
-17.5°	7329.6	7512.7	7668.3	7801.0	7907.6	7990.6	8046.6	8079.4	8088.9	8087.2	8082.5
-20°	7234.4	7425.4	7583.1	7719.0	7833.3	7927.7	8000.1	8046.6	8078.0	8085.7	8090.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7116.7	7312.5	7481.4	7625.9	7744.8	7844.3	7927.7	7990.6	8035.6	8063.8	8079.6
-25°	6983.4	7188.2	7360.3	7509.3	7638.3	7744.8	7833.3	7907.6	7962.6	8009.2	8036.0
-27.5°	6827.3	7035.7	7221.5	7376.4	7509.3	7625.9	7719.0	7801.0	7863.0	7917.4	7953.4
-30°	6654.9	6866.0	7053.3	7221.5	7360.3	7481.4	7583.1	7668.3	7739.3	7798.4	7840.3
-32.5°	6447.9	6673.8	6866.0	7035.7	7188.2	7312.5	7425.4	7512.7	7589.5	7651.5	7699.2
-35°	6220.0	6447.9	6654.9	6827.3	6983.4	7116.7	7234.4	7329.6	7414.4	7478.8	7530.0
-37.5°	5956.2	6196.0	6405.3	6593.3	6750.8	6892.3	7011.9	7115.2	7206.3	7273.9	7330.2
-40°	5667.6	5909.4	6124.4	6321.1	6486.2	6638.4	6759.1	6868.0	6960.9	7033.8	7094.3
-42.5°	5356.3	5593.3	5812.2	6006.8	6184.6	6339.6	6469.8	6587.0	6682.2	6758.6	6822.0
-45°	5010.5	5249.5	5471.1	5663.7	5843.5	5998.3	6137.6	6262.7	6360.2	6442.0	6509.8
-47.5°	4627.4	4874.8	5091.7	5290.2	5470.1	5623.9	5764.0	5887.9	5989.5	6076.5	6148.4
-50°	4207.8	4458.8	4676.4	4880.4	5056.7	5214.3	5357.5	5479.7	5581.3	5668.2	5739.9
-52.5°	3748.4	3991.0	4218.8	4426.9	4602.1	4763.1	4909.2	5029.3	5132.6	5220.9	5293.8
-55°	3261.8	3495.4	3715.4	3914.5	4096.7	4263.9	4412.2	4531.9	4636.7	4726.3	4800.0
-57.5°	2779.7	2988.3	3186.1	3374.9	3549.7	3709.8	3851.1	3974.6	4082.8	4175.0	4251.0
-60°	2324.8	2489.1	2666.4	2833.6	2988.3	3129.9	3261.8	3379.4	3482.2	3569.8	3641.9
-62.5°	1917.7	2053.8	2194.1	2324.8	2445.5	2564.7	2680.6	2783.7	2873.8	2950.5	3013.6
-65°	1589.7	1694.1	1791.9	1883.0	1968.0	2067.4	2157.0	2236.8	2306.4	2365.7	2414.5
-67.5°	1307.1	1384.9	1457.8	1525.6	1596.2	1664.7	1726.5	1781.4	1829.3	1870.1	1903.6
-70°	1065.4	1119.8	1170.7	1222.7	1277.8	1328.1	1373.5	1413.8	1449.0	1478.9	1503.5
-72.5°	864.1	900.2	936.4	977.6	1015.5	1050.0	1081.2	1108.8	1132.9	1153.5	1170.3
-75°	697.9	726.1	754.8	781.5	806.1	828.6	848.8	866.7	882.3	895.6	906.5
-77.5°	548.5	571.0	592.1	611.6	629.6	645.9	660.7	673.8	685.2	694.8	702.8
-80°	392.2	411.0	428.6	444.9	459.9	473.6	485.9	496.8	506.3	514.4	521.1
-82.5°	244.4	257.2	269.2	280.2	290.4	299.7	308.0	315.4	321.9	327.4	331.9
-85°	121.1	126.9	132.4	137.4	142.1	146.3	150.1	153.5	156.5	159.0	161.0
-87.5°	36.3	37.4	38.4	39.3	40.1	40.9	41.6	42.2	42.8	43.2	43.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	43.9	44.1	44.3	44.3	44.3	44.1	43.9	43.6	43.2	42.8	42.2
85°	162.6	163.8	164.5	164.7	164.5	163.8	162.6	161.0	159.0	156.5	153.5
82.5°	335.4	337.9	339.4	339.9	339.4	337.9	335.4	331.9	327.4	321.9	315.4
80°	526.2	529.9	532.2	532.9	532.2	529.9	526.2	521.1	514.4	506.3	496.8
77.5°	709.0	713.4	716.1	717.0	716.1	713.4	709.0	702.8	694.8	685.2	673.8
75°	915.0	921.1	924.8	926.0	924.8	921.1	915.0	906.5	895.6	882.3	866.7
72.5°	1183.4	1192.9	1198.5	1200.4	1198.5	1192.9	1183.4	1170.3	1153.5	1132.9	1108.8
70°	1522.7	1536.4	1544.6	1547.4	1544.6	1536.4	1522.7	1503.5	1478.9	1449.0	1413.8
67.5°	1929.7	1948.5	1959.7	1963.5	1959.7	1948.5	1929.7	1903.6	1870.1	1829.3	1781.4
65°	2452.5	2479.8	2496.2	2501.7	2496.2	2479.8	2452.5	2414.5	2365.7	2306.4	2236.8
62.5°	3063.0	3098.3	3119.6	3126.7	3119.6	3098.3	3063.0	3013.6	2950.5	2873.8	2783.7
60°	3698.3	3738.7	3763.0	3771.1	3763.0	3738.7	3698.3	3641.9	3569.8	3482.2	3379.4
57.5°	4310.4	4353.0	4378.6	4387.2	4378.6	4353.0	4310.4	4251.0	4175.0	4082.8	3974.6
55°	4857.8	4899.2	4924.2	4932.5	4924.2	4899.2	4857.8	4800.0	4726.3	4636.7	4531.9
52.5°	5350.8	5391.8	5416.5	5424.7	5416.5	5391.8	5350.8	5293.8	5220.9	5132.6	5029.3
50°	5796.2	5836.6	5861.0	5869.1	5861.0	5836.6	5796.2	5739.9	5668.2	5581.3	5479.7
47.5°	6204.9	6245.5	6269.9	6278.1	6269.9	6245.5	6204.9	6148.4	6076.5	5989.5	5887.9
45°	6563.1	6601.4	6624.5	6632.2	6624.5	6601.4	6563.1	6509.8	6442.0	6360.2	6262.7
42.5°	6871.9	6907.8	6929.5	6936.7	6929.5	6907.8	6871.9	6822.0	6758.6	6682.2	6587.0
40°	7142.0	7176.4	7197.2	7204.1	7197.2	7176.4	7142.0	7094.3	7033.8	6960.9	6868.0
37.5°	7374.6	7406.6	7426.0	7432.5	7426.0	7406.6	7374.6	7330.2	7273.9	7206.3	7115.2
35°	7570.6	7600.0	7617.7	7623.7	7617.7	7600.0	7570.6	7530.0	7478.8	7414.4	7329.6
32.5°	7737.0	7764.4	7781.0	7786.6	7781.0	7764.4	7737.0	7699.2	7651.5	7589.5	7512.7
30°	7873.7	7897.9	7912.7	7917.6	7912.7	7897.9	7873.7	7840.3	7798.4	7739.3	7668.3
27.5°	7982.2	8003.2	8016.0	8020.3	8016.0	8003.2	7982.2	7953.4	7917.4	7863.0	7801.0
25°	8053.6	8066.4	8074.3	8076.9	8074.3	8066.4	8053.6	8036.0	8009.2	7962.6	7907.6
22.5°	8084.5	8088.1	8090.4	8091.1	8090.4	8088.1	8084.5	8079.6	8063.8	8035.6	7990.6
20°	8086.8	8084.3	8082.7	8082.2	8082.7	8084.3	8086.8	8090.3	8085.7	8078.0	8046.6
17.5°	8072.2	8064.1	8059.1	8057.4	8059.1	8064.1	8072.2	8082.5	8087.2	8088.9	8079.4
15°	8047.6	8035.7	8028.2	8025.6	8028.2	8035.7	8047.6	8062.0	8076.6	8086.1	8088.9
12.5°	8020.1	8006.9	7998.4	7995.5	7998.4	8006.9	8020.1	8037.8	8058.5	8076.6	8087.2
10°	7995.3	7984.2	7976.8	7974.2	7976.8	7984.2	7995.3	8014.8	8037.8	8062.0	8082.5
7.5°	7979.2	7969.3	7963.8	7961.8	7963.8	7969.3	7979.2	7995.3	8020.1	8047.6	8072.2
5°	7969.3	7959.4	7951.0	7947.7	7951.0	7959.4	7969.3	7984.2	8006.9	8035.7	8064.1
2.5°	7963.8	7951.0	7938.3	7931.7	7938.3	7951.0	7963.8	7976.8	7998.4	8028.2	8059.1
0°	7961.8	7947.7	7931.7	7933.5	7931.7	7947.7	7961.8	7974.2	7995.5	8025.6	8057.4
-2.5°	7963.8	7951.0	7938.3	7931.7	7938.3	7951.0	7963.8	7976.8	7998.4	8028.2	8059.1
-5°	7969.3	7959.4	7951.0	7947.7	7951.0	7959.4	7969.3	7984.2	8006.9	8035.7	8064.1
-7.5°	7979.2	7969.3	7963.8	7961.8	7963.8	7969.3	7979.2	7995.3	8020.1	8047.6	8072.2
-10°	7995.3	7984.2	7976.8	7974.2	7976.8	7984.2	7995.3	8014.8	8037.8	8062.0	8082.5
-12.5°	8020.1	8006.9	7998.4	7995.5	7998.4	8006.9	8020.1	8037.8	8058.5	8076.6	8087.2
-15°	8047.6	8035.7	8028.2	8025.6	8028.2	8035.7	8047.6	8062.0	8076.6	8086.1	8088.9
-17.5°	8072.2	8064.1	8059.1	8057.4	8059.1	8064.1	8072.2	8082.5	8087.2	8088.9	8079.4
-20°	8086.8	8084.3	8082.7	8082.2	8082.7	8084.3	8086.8	8090.3	8085.7	8078.0	8046.6

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-750-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°	8084.5	8088.1	8090.4	8091.1	8090.4	8088.1	8084.5	8079.6	8063.8	8035.6	7990.6
-25°	8053.6	8066.4	8074.3	8076.9	8074.3	8066.4	8053.6	8036.0	8009.2	7962.6	7907.6
-27.5°	7982.2	8003.2	8016.0	8020.3	8016.0	8003.2	7982.2	7953.4	7917.4	7863.0	7801.0
-30°	7873.7	7897.9	7912.7	7917.6	7912.7	7897.9	7873.7	7840.3	7798.4	7739.3	7668.3
-32.5°	7737.0	7764.4	7781.0	7786.6	7781.0	7764.4	7737.0	7699.2	7651.5	7589.5	7512.7
-35°	7570.6	7600.0	7617.7	7623.7	7617.7	7600.0	7570.6	7530.0	7478.8	7414.4	7329.6
-37.5°	7374.6	7406.6	7426.0	7432.5	7426.0	7406.6	7374.6	7330.2	7273.9	7206.3	7115.2
-40°	7142.0	7176.4	7197.2	7204.1	7197.2	7176.4	7142.0	7094.3	7033.8	6960.9	6868.0
-42.5°	6871.9	6907.8	6929.5	6936.7	6929.5	6907.8	6871.9	6822.0	6758.6	6682.2	6587.0
-45°	6563.1	6601.4	6624.5	6632.2	6624.5	6601.4	6563.1	6509.8	6442.0	6360.2	6262.7
-47.5°	6204.9	6245.5	6269.9	6278.1	6269.9	6245.5	6204.9	6148.4	6076.5	5989.5	5887.9
-50°	5796.2	5836.6	5861.0	5869.1	5861.0	5836.6	5796.2	5739.9	5668.2	5581.3	5479.7
-52.5°	5350.8	5391.8	5416.5	5424.7	5416.5	5391.8	5350.8	5293.8	5220.9	5132.6	5029.3
-55°	4857.8	4899.2	4924.2	4932.5	4924.2	4899.2	4857.8	4800.0	4726.3	4636.7	4531.9
-57.5°	4310.4	4353.0	4378.6	4387.2	4378.6	4353.0	4310.4	4251.0	4175.0	4082.8	3974.6
-60°	3698.3	3738.7	3763.0	3771.1	3763.0	3738.7	3698.3	3641.9	3569.8	3482.2	3379.4
-62.5°	3063.0	3098.3	3119.6	3126.7	3119.6	3098.3	3063.0	3013.6	2950.5	2873.8	2783.7
-65°	2452.5	2479.8	2496.2	2501.7	2496.2	2479.8	2452.5	2414.5	2365.7	2306.4	2236.8
-67.5°	1929.7	1948.5	1959.7	1963.5	1959.7	1948.5	1929.7	1903.6	1870.1	1829.3	1781.4
-70°	1522.7	1536.4	1544.6	1547.4	1544.6	1536.4	1522.7	1503.5	1478.9	1449.0	1413.8
-72.5°	1183.4	1192.9	1198.5	1200.4	1198.5	1192.9	1183.4	1170.3	1153.5	1132.9	1108.8
-75°	915.0	921.1	924.8	926.0	924.8	921.1	915.0	906.5	895.6	882.3	866.7
-77.5°	709.0	713.4	716.1	717.0	716.1	713.4	709.0	702.8	694.8	685.2	673.8
-80°	526.2	529.9	532.2	532.9	532.2	529.9	526.2	521.1	514.4	506.3	496.8
-82.5°	335.4	337.9	339.4	339.9	339.4	337.9	335.4	331.9	327.4	321.9	315.4
-85°	162.6	163.8	164.5	164.7	164.5	163.8	162.6	161.0	159.0	156.5	153.5
-87.5°	43.9	44.1	44.3	44.3	44.3	44.1	43.9	43.6	43.2	42.8	42.2
-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: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
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°	41.6	40.9	40.1	39.3	38.4	37.4	36.3	35.1	33.9	32.7	31.3
85°	150.1	146.3	142.1	137.4	132.4	126.9	121.1	114.8	108.3	101.3	94.1
82.5°	308.0	299.7	290.4	280.2	269.2	257.2	244.4	230.8	216.5	201.3	185.4
80°	485.9	473.6	459.9	444.9	428.6	411.0	392.2	372.2	351.0	329.8	308.6
77.5°	660.7	645.9	629.6	611.6	592.1	571.0	548.5	524.2	497.7	469.8	440.5
75°	848.8	828.6	806.1	781.5	754.8	726.1	697.9	669.1	638.6	606.6	573.1
72.5°	1081.2	1050.0	1015.5	977.6	936.4	900.2	864.1	825.8	785.4	742.8	700.5
70°	1373.5	1328.1	1277.8	1222.7	1170.7	1119.8	1065.4	1007.7	946.7	893.0	842.0
67.5°	1726.5	1664.7	1596.2	1525.6	1457.8	1384.9	1307.1	1224.6	1150.7	1078.4	1002.8
65°	2157.0	2067.4	1968.0	1883.0	1791.9	1694.1	1589.7	1490.5	1393.3	1291.3	1188.1
62.5°	2680.6	2564.7	2445.5	2324.8	2194.1	2053.8	1917.7	1795.3	1666.4	1534.0	1416.5
60°	3261.8	3129.9	2988.3	2833.6	2666.4	2489.1	2324.8	2150.9	1968.0	1819.0	1664.7
57.5°	3851.1	3709.8	3549.7	3374.9	3186.1	2988.3	2779.7	2559.4	2352.1	2143.7	1935.1
55°	4412.2	4263.9	4096.7	3914.5	3715.4	3495.4	3261.8	3018.7	2767.9	2505.9	2270.8
52.5°	4909.2	4763.1	4602.1	4426.9	4218.8	3991.0	3748.4	3482.2	3203.2	2918.8	2625.9
50°	5357.5	5214.3	5056.7	4880.4	4676.4	4458.8	4207.8	3934.0	3641.9	3330.0	3010.2
47.5°	5764.0	5623.9	5470.1	5290.2	5091.7	4874.8	4627.4	4365.1	4058.7	3738.7	3393.8
45°	6137.6	5998.3	5843.5	5663.7	5471.1	5249.5	5010.5	4741.4	4452.1	4121.5	3771.1
42.5°	6469.8	6339.6	6184.6	6006.8	5812.2	5593.3	5356.3	5089.5	4798.9	4480.5	4121.5
40°	6759.1	6638.4	6486.2	6321.1	6124.4	5909.4	5667.6	5410.2	5116.0	4798.9	4452.1
37.5°	7011.9	6892.3	6750.8	6593.3	6405.3	6196.0	5956.2	5692.5	5410.2	5089.5	4741.4
35°	7234.4	7116.7	6983.4	6827.3	6654.9	6447.9	6220.0	5956.2	5667.6	5356.3	5010.5
32.5°	7425.4	7312.5	7188.2	7035.7	6866.0	6673.8	6447.9	6196.0	5909.4	5593.3	5249.5
30°	7583.1	7481.4	7360.3	7221.5	7053.3	6866.0	6654.9	6405.3	6124.4	5812.2	5471.1
27.5°	7719.0	7625.9	7509.3	7376.4	7221.5	7035.7	6827.3	6593.3	6321.1	6006.8	5663.7
25°	7833.3	7744.8	7638.3	7509.3	7360.3	7188.2	6983.4	6750.8	6486.2	6184.6	5843.5
22.5°	7927.7	7844.3	7744.8	7625.9	7481.4	7312.5	7116.7	6892.3	6638.4	6339.6	5998.3
20°	8000.1	7927.7	7833.3	7719.0	7583.1	7425.4	7234.4	7011.9	6759.1	6469.8	6137.6
17.5°	8046.6	7990.6	7907.6	7801.0	7668.3	7512.7	7329.6	7115.2	6868.0	6587.0	6262.7
15°	8078.0	8035.6	7962.6	7863.0	7739.3	7589.5	7414.4	7206.3	6960.9	6682.2	6360.2
12.5°	8085.7	8063.8	8009.2	7917.4	7798.4	7651.5	7478.8	7273.9	7033.8	6758.6	6442.0
10°	8090.3	8079.6	8036.0	7953.4	7840.3	7699.2	7530.0	7330.2	7094.3	6822.0	6509.8
7.5°	8086.8	8084.5	8053.6	7982.2	7873.7	7737.0	7570.6	7374.6	7142.0	6871.9	6563.1
5°	8084.3	8088.1	8066.4	8003.2	7897.9	7764.4	7600.0	7406.6	7176.4	6907.8	6601.4
2.5°	8082.7	8090.4	8074.3	8016.0	7912.7	7781.0	7617.7	7426.0	7197.2	6929.5	6624.5
0°	8082.2	8091.1	8076.9	8020.3	7917.6	7786.6	7623.7	7432.5	7204.1	6936.7	6632.2
-2.5°	8082.7	8090.4	8074.3	8016.0	7912.7	7781.0	7617.7	7426.0	7197.2	6929.5	6624.5
-5°	8084.3	8088.1	8066.4	8003.2	7897.9	7764.4	7600.0	7406.6	7176.4	6907.8	6601.4
-7.5°	8086.8	8084.5	8053.6	7982.2	7873.7	7737.0	7570.6	7374.6	7142.0	6871.9	6563.1
-10°	8090.3	8079.6	8036.0	7953.4	7840.3	7699.2	7530.0	7330.2	7094.3	6822.0	6509.8
-12.5°	8085.7	8063.8	8009.2	7917.4	7798.4	7651.5	7478.8	7273.9	7033.8	6758.6	6442.0
-15°	8078.0	8035.6	7962.6	7863.0	7739.3	7589.5	7414.4	7206.3	6960.9	6682.2	6360.2
-17.5°	8046.6	7990.6	7907.6	7801.0	7668.3	7512.7	7329.6	7115.2	6868.0	6587.0	6262.7
-20°	8000.1	7927.7	7833.3	7719.0	7583.1	7425.4	7234.4	7011.9	6759.1	6469.8	6137.6

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REPORT NUMBER: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7927.7	7844.3	7744.8	7625.9	7481.4	7312.5	7116.7	6892.3	6638.4	6339.6	5998.3
-25°	7833.3	7744.8	7638.3	7509.3	7360.3	7188.2	6983.4	6750.8	6486.2	6184.6	5843.5
-27.5°	7719.0	7625.9	7509.3	7376.4	7221.5	7035.7	6827.3	6593.3	6321.1	6006.8	5663.7
-30°	7583.1	7481.4	7360.3	7221.5	7053.3	6866.0	6654.9	6405.3	6124.4	5812.2	5471.1
-32.5°	7425.4	7312.5	7188.2	7035.7	6866.0	6673.8	6447.9	6196.0	5909.4	5593.3	5249.5
-35°	7234.4	7116.7	6983.4	6827.3	6654.9	6447.9	6220.0	5956.2	5667.6	5356.3	5010.5
-37.5°	7011.9	6892.3	6750.8	6593.3	6405.3	6196.0	5956.2	5692.5	5410.2	5089.5	4741.4
-40°	6759.1	6638.4	6486.2	6321.1	6124.4	5909.4	5667.6	5410.2	5116.0	4798.9	4452.1
-42.5°	6469.8	6339.6	6184.6	6006.8	5812.2	5593.3	5356.3	5089.5	4798.9	4480.5	4121.5
-45°	6137.6	5998.3	5843.5	5663.7	5471.1	5249.5	5010.5	4741.4	4452.1	4121.5	3771.1
-47.5°	5764.0	5623.9	5470.1	5290.2	5091.7	4874.8	4627.4	4365.1	4058.7	3738.7	3393.8
-50°	5357.5	5214.3	5056.7	4880.4	4676.4	4458.8	4207.8	3934.0	3641.9	3330.0	3010.2
-52.5°	4909.2	4763.1	4602.1	4426.9	4218.8	3991.0	3748.4	3482.2	3203.2	2918.8	2625.9
-55°	4412.2	4263.9	4096.7	3914.5	3715.4	3495.4	3261.8	3018.7	2767.9	2505.9	2270.8
-57.5°	3851.1	3709.8	3549.7	3374.9	3186.1	2988.3	2779.7	2559.4	2352.1	2143.7	1935.1
-60°	3261.8	3129.9	2988.3	2833.6	2666.4	2489.1	2324.8	2150.9	1968.0	1819.0	1664.7
-62.5°	2680.6	2564.7	2445.5	2324.8	2194.1	2053.8	1917.7	1795.3	1666.4	1534.0	1416.5
-65°	2157.0	2067.4	1968.0	1883.0	1791.9	1694.1	1589.7	1490.5	1393.3	1291.3	1188.1
-67.5°	1726.5	1664.7	1596.2	1525.6	1457.8	1384.9	1307.1	1224.6	1150.7	1078.4	1002.8
-70°	1373.5	1328.1	1277.8	1222.7	1170.7	1119.8	1065.4	1007.7	946.7	893.0	842.0
-72.5°	1081.2	1050.0	1015.5	977.6	936.4	900.2	864.1	825.8	785.4	742.8	700.5
-75°	848.8	828.6	806.1	781.5	754.8	726.1	697.9	669.1	638.6	606.6	573.1
-77.5°	660.7	645.9	629.6	611.6	592.1	571.0	548.5	524.2	497.7	469.8	440.5
-80°	485.9	473.6	459.9	444.9	428.6	411.0	392.2	372.2	351.0	329.8	308.6
-82.5°	308.0	299.7	290.4	280.2	269.2	257.2	244.4	230.8	216.5	201.3	185.4
-85°	150.1	146.3	142.1	137.4	132.4	126.9	121.1	114.8	108.3	101.3	94.1
-87.5°	41.6	40.9	40.1	39.3	38.4	37.4	36.3	35.1	33.9	32.7	31.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645450 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	29.9	28.5	27.0	25.4	23.8	22.1	20.5	18.7	16.9	15.1	13.3
85°	86.5	78.6	70.4	61.9	53.2	44.3	40.9	37.4	33.9	30.3	26.6
82.5°	168.8	155.7	143.4	130.7	117.6	104.1	90.3	76.2	61.8	47.1	39.9
80°	286.4	263.4	239.6	214.9	189.5	163.8	145.4	126.6	107.4	87.9	68.1
77.5°	410.0	378.3	345.4	314.1	282.3	249.7	216.3	182.1	152.7	128.4	103.6
75°	538.1	500.2	460.7	420.0	378.0	335.4	295.3	254.4	212.7	170.2	138.9
72.5°	659.7	617.2	573.3	527.6	478.7	428.5	377.1	326.0	277.4	228.0	177.9
70°	788.9	733.7	681.5	629.6	576.3	521.1	462.4	402.5	341.5	285.1	228.0
67.5°	924.6	862.5	798.2	732.0	670.3	608.8	546.0	479.4	411.0	341.5	277.4
65°	1100.5	1009.7	918.3	844.8	769.2	694.8	625.2	554.2	479.4	402.5	326.0
62.5°	1294.4	1174.7	1071.5	965.3	872.9	787.9	703.1	625.2	546.0	462.4	377.1
60°	1511.7	1373.5	1231.1	1108.8	990.1	882.3	787.9	694.8	608.8	521.1	428.5
57.5°	1761.1	1581.4	1421.4	1262.8	1121.3	990.1	872.9	769.2	670.3	576.3	478.7
55°	2027.9	1819.5	1620.1	1437.4	1262.8	1108.8	965.3	844.8	732.0	629.6	527.6
52.5°	2347.7	2078.8	1839.0	1620.1	1421.4	1231.1	1071.5	918.3	798.2	681.5	573.3
50°	2686.3	2373.5	2078.8	1819.5	1581.4	1373.5	1174.7	1009.7	862.5	733.7	617.2
47.5°	3040.8	2686.3	2347.7	2027.9	1761.1	1511.7	1294.4	1100.5	924.6	788.9	659.7
45°	3393.8	3010.2	2625.9	2270.8	1935.1	1664.7	1416.5	1188.1	1002.8	842.0	700.5
42.5°	3738.7	3330.0	2918.8	2505.9	2143.7	1819.0	1534.0	1291.3	1078.4	893.0	742.8
40°	4058.7	3641.9	3203.2	2767.9	2352.1	1968.0	1666.4	1393.3	1150.7	946.7	785.4
37.5°	4365.1	3934.0	3482.2	3018.7	2559.4	2150.9	1795.3	1490.5	1224.6	1007.7	825.8
35°	4627.4	4207.8	3748.4	3261.8	2779.7	2324.8	1917.7	1589.7	1307.1	1065.4	864.1
32.5°	4874.8	4458.8	3991.0	3495.4	2988.3	2489.1	2053.8	1694.1	1384.9	1119.8	900.2
30°	5091.7	4676.4	4218.8	3715.4	3186.1	2666.4	2194.1	1791.9	1457.8	1170.7	936.4
27.5°	5290.2	4880.4	4426.9	3914.5	3374.9	2833.6	2324.8	1883.0	1525.6	1222.7	977.6
25°	5470.1	5056.7	4602.1	4096.7	3549.7	2988.3	2445.5	1968.0	1596.2	1277.8	1015.5
22.5°	5623.9	5214.3	4763.1	4263.9	3709.8	3129.9	2564.7	2067.4	1664.7	1328.1	1050.0
20°	5764.0	5357.5	4909.2	4412.2	3851.1	3261.8	2680.6	2157.0	1726.5	1373.5	1081.2
17.5°	5887.9	5479.7	5029.3	4531.9	3974.6	3379.4	2783.7	2236.8	1781.4	1413.8	1108.8
15°	5989.5	5581.3	5132.6	4636.7	4082.8	3482.2	2873.8	2306.4	1829.3	1449.0	1132.9
12.5°	6076.5	5668.2	5220.9	4726.3	4175.0	3569.8	2950.5	2365.7	1870.1	1478.9	1153.5
10°	6148.4	5739.9	5293.8	4800.0	4251.0	3641.9	3013.6	2414.5	1903.6	1503.5	1170.3
7.5°	6204.9	5796.2	5350.8	4857.8	4310.4	3698.3	3063.0	2452.5	1929.7	1522.7	1183.4
5°	6245.5	5836.6	5391.8	4899.2	4353.0	3738.7	3098.3	2479.8	1948.5	1536.4	1192.9
2.5°	6269.9	5861.0	5416.5	4924.2	4378.6	3763.0	3119.6	2496.2	1959.7	1544.6	1198.5
0°	6278.1	5869.1	5424.7	4932.5	4387.2	3771.1	3126.7	2501.7	1963.5	1547.4	1200.4
-2.5°	6269.9	5861.0	5416.5	4924.2	4378.6	3763.0	3119.6	2496.2	1959.7	1544.6	1198.5
-5°	6245.5	5836.6	5391.8	4899.2	4353.0	3738.7	3098.3	2479.8	1948.5	1536.4	1192.9
-7.5°	6204.9	5796.2	5350.8	4857.8	4310.4	3698.3	3063.0	2452.5	1929.7	1522.7	1183.4
-10°	6148.4	5739.9	5293.8	4800.0	4251.0	3641.9	3013.6	2414.5	1903.6	1503.5	1170.3
-12.5°	6076.5	5668.2	5220.9	4726.3	4175.0	3569.8	2950.5	2365.7	1870.1	1478.9	1153.5
-15°	5989.5	5581.3	5132.6	4636.7	4082.8	3482.2	2873.8	2306.4	1829.3	1449.0	1132.9
-17.5°	5887.9	5479.7	5029.3	4531.9	3974.6	3379.4	2783.7	2236.8	1781.4	1413.8	1108.8
-20°	5764.0	5357.5	4909.2	4412.2	3851.1	3261.8	2680.6	2157.0	1726.5	1373.5	1081.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5623.9	5214.3	4763.1	4263.9	3709.8	3129.9	2564.7	2067.4	1664.7	1328.1	1050.0
-25°	5470.1	5056.7	4602.1	4096.7	3549.7	2988.3	2445.5	1968.0	1596.2	1277.8	1015.5
-27.5°	5290.2	4880.4	4426.9	3914.5	3374.9	2833.6	2324.8	1883.0	1525.6	1222.7	977.6
-30°	5091.7	4676.4	4218.8	3715.4	3186.1	2666.4	2194.1	1791.9	1457.8	1170.7	936.4
-32.5°	4874.8	4458.8	3991.0	3495.4	2988.3	2489.1	2053.8	1694.1	1384.9	1119.8	900.2
-35°	4627.4	4207.8	3748.4	3261.8	2779.7	2324.8	1917.7	1589.7	1307.1	1065.4	864.1
-37.5°	4365.1	3934.0	3482.2	3018.7	2559.4	2150.9	1795.3	1490.5	1224.6	1007.7	825.8
-40°	4058.7	3641.9	3203.2	2767.9	2352.1	1968.0	1666.4	1393.3	1150.7	946.7	785.4
-42.5°	3738.7	3330.0	2918.8	2505.9	2143.7	1819.0	1534.0	1291.3	1078.4	893.0	742.8
-45°	3393.8	3010.2	2625.9	2270.8	1935.1	1664.7	1416.5	1188.1	1002.8	842.0	700.5
-47.5°	3040.8	2686.3	2347.7	2027.9	1761.1	1511.7	1294.4	1100.5	924.6	788.9	659.7
-50°	2686.3	2373.5	2078.8	1819.5	1581.4	1373.5	1174.7	1009.7	862.5	733.7	617.2
-52.5°	2347.7	2078.8	1839.0	1620.1	1421.4	1231.1	1071.5	918.3	798.2	681.5	573.3
-55°	2027.9	1819.5	1620.1	1437.4	1262.8	1108.8	965.3	844.8	732.0	629.6	527.6
-57.5°	1761.1	1581.4	1421.4	1262.8	1121.3	990.1	872.9	769.2	670.3	576.3	478.7
-60°	1511.7	1373.5	1231.1	1108.8	990.1	882.3	787.9	694.8	608.8	521.1	428.5
-62.5°	1294.4	1174.7	1071.5	965.3	872.9	787.9	703.1	625.2	546.0	462.4	377.1
-65°	1100.5	1009.7	918.3	844.8	769.2	694.8	625.2	554.2	479.4	402.5	326.0
-67.5°	924.6	862.5	798.2	732.0	670.3	608.8	546.0	479.4	411.0	341.5	277.4
-70°	788.9	733.7	681.5	629.6	576.3	521.1	462.4	402.5	341.5	285.1	228.0
-72.5°	659.7	617.2	573.3	527.6	478.7	428.5	377.1	326.0	277.4	228.0	177.9
-75°	538.1	500.2	460.7	420.0	378.0	335.4	295.3	254.4	212.7	170.2	138.9
-77.5°	410.0	378.3	345.4	314.1	282.3	249.7	216.3	182.1	152.7	128.4	103.6
-80°	286.4	263.4	239.6	214.9	189.5	163.8	145.4	126.6	107.4	87.9	68.1
-82.5°	168.8	155.7	143.4	130.7	117.6	104.1	90.3	76.2	61.8	47.1	39.9
-85°	86.5	78.6	70.4	61.9	53.2	44.3	40.9	37.4	33.9	30.3	26.6
-87.5°	29.9	28.5	27.0	25.4	23.8	22.1	20.5	18.7	16.9	15.1	13.3
-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°	11.5	9.6	7.7	5.8	3.9	1.9	0.0
85°	22.9	19.2	15.4	11.6	7.7	3.9	0.0
82.5°	34.3	28.7	23.0	17.3	11.6	5.8	0.0
80°	48.0	38.2	30.6	23.0	15.4	7.7	0.0
77.5°	78.6	53.2	38.2	28.7	19.2	9.6	0.0
75°	108.9	78.6	48.0	34.3	22.9	11.5	0.0
72.5°	138.9	103.6	68.1	39.9	26.6	13.3	0.0
70°	170.2	128.4	87.9	47.1	30.3	15.1	0.0
67.5°	212.7	152.7	107.4	61.8	33.9	16.9	0.0
65°	254.4	182.1	126.6	76.2	37.4	18.7	0.0
62.5°	295.3	216.3	145.4	90.3	40.9	20.5	0.0
60°	335.4	249.7	163.8	104.1	44.3	22.1	0.0
57.5°	378.0	282.3	189.5	117.6	53.2	23.8	0.0
55°	420.0	314.1	214.9	130.7	61.9	25.4	0.0
52.5°	460.7	345.4	239.6	143.4	70.4	27.0	0.0
50°	500.2	378.3	263.4	155.7	78.6	28.5	0.0
47.5°	538.1	410.0	286.4	168.8	86.5	29.9	0.0
45°	573.1	440.5	308.6	185.4	94.1	31.3	0.0
42.5°	606.6	469.8	329.8	201.3	101.3	32.7	0.0
40°	638.6	497.7	351.0	216.5	108.3	33.9	0.0
37.5°	669.1	524.2	372.2	230.8	114.8	35.1	0.0
35°	697.9	548.5	392.2	244.4	121.1	36.3	0.0
32.5°	726.1	571.0	411.0	257.2	126.9	37.4	0.0
30°	754.8	592.1	428.6	269.2	132.4	38.4	0.0
27.5°	781.5	611.6	444.9	280.2	137.4	39.3	0.0
25°	806.1	629.6	459.9	290.4	142.1	40.1	0.0
22.5°	828.6	645.9	473.6	299.7	146.3	40.9	0.0
20°	848.8	660.7	485.9	308.0	150.1	41.6	0.0
17.5°	866.7	673.8	496.8	315.4	153.5	42.2	0.0
15°	882.3	685.2	506.3	321.9	156.5	42.8	0.0
12.5°	895.6	694.8	514.4	327.4	159.0	43.2	0.0
10°	906.5	702.8	521.1	331.9	161.0	43.6	0.0
7.5°	915.0	709.0	526.2	335.4	162.6	43.9	0.0
5°	921.1	713.4	529.9	337.9	163.8	44.1	0.0
2.5°	924.8	716.1	532.2	339.4	164.5	44.3	0.0
0°	926.0	717.0	532.9	339.9	164.7	44.3	0.0
-2.5°	924.8	716.1	532.2	339.4	164.5	44.3	0.0
-5°	921.1	713.4	529.9	337.9	163.8	44.1	0.0
-7.5°	915.0	709.0	526.2	335.4	162.6	43.9	0.0
-10°	906.5	702.8	521.1	331.9	161.0	43.6	0.0
-12.5°	895.6	694.8	514.4	327.4	159.0	43.2	0.0
-15°	882.3	685.2	506.3	321.9	156.5	42.8	0.0
-17.5°	866.7	673.8	496.8	315.4	153.5	42.2	0.0
-20°	848.8	660.7	485.9	308.0	150.1	41.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	828.6	645.9	473.6	299.7	146.3	40.9	0.0
-25°	806.1	629.6	459.9	290.4	142.1	40.1	0.0
-27.5°	781.5	611.6	444.9	280.2	137.4	39.3	0.0
-30°	754.8	592.1	428.6	269.2	132.4	38.4	0.0
-32.5°	726.1	571.0	411.0	257.2	126.9	37.4	0.0
-35°	697.9	548.5	392.2	244.4	121.1	36.3	0.0
-37.5°	669.1	524.2	372.2	230.8	114.8	35.1	0.0
-40°	638.6	497.7	351.0	216.5	108.3	33.9	0.0
-42.5°	606.6	469.8	329.8	201.3	101.3	32.7	0.0
-45°	573.1	440.5	308.6	185.4	94.1	31.3	0.0
-47.5°	538.1	410.0	286.4	168.8	86.5	29.9	0.0
-50°	500.2	378.3	263.4	155.7	78.6	28.5	0.0
-52.5°	460.7	345.4	239.6	143.4	70.4	27.0	0.0
-55°	420.0	314.1	214.9	130.7	61.9	25.4	0.0
-57.5°	378.0	282.3	189.5	117.6	53.2	23.8	0.0
-60°	335.4	249.7	163.8	104.1	44.3	22.1	0.0
-62.5°	295.3	216.3	145.4	90.3	40.9	20.5	0.0
-65°	254.4	182.1	126.6	76.2	37.4	18.7	0.0
-67.5°	212.7	152.7	107.4	61.8	33.9	16.9	0.0
-70°	170.2	128.4	87.9	47.1	30.3	15.1	0.0
-72.5°	138.9	103.6	68.1	39.9	26.6	13.3	0.0
-75°	108.9	78.6	48.0	34.3	22.9	11.5	0.0
-77.5°	78.6	53.2	38.2	28.7	19.2	9.6	0.0
-80°	48.0	38.2	30.6	23.0	15.4	7.7	0.0
-82.5°	34.3	28.7	23.0	17.3	11.6	5.8	0.0
-85°	22.9	19.2	15.4	11.6	7.7	3.9	0.0
-87.5°	11.5	9.6	7.7	5.8	3.9	1.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)