

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: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-727-U-VWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627081 (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: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3B-727-U-VWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N65
Light Source: (48) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

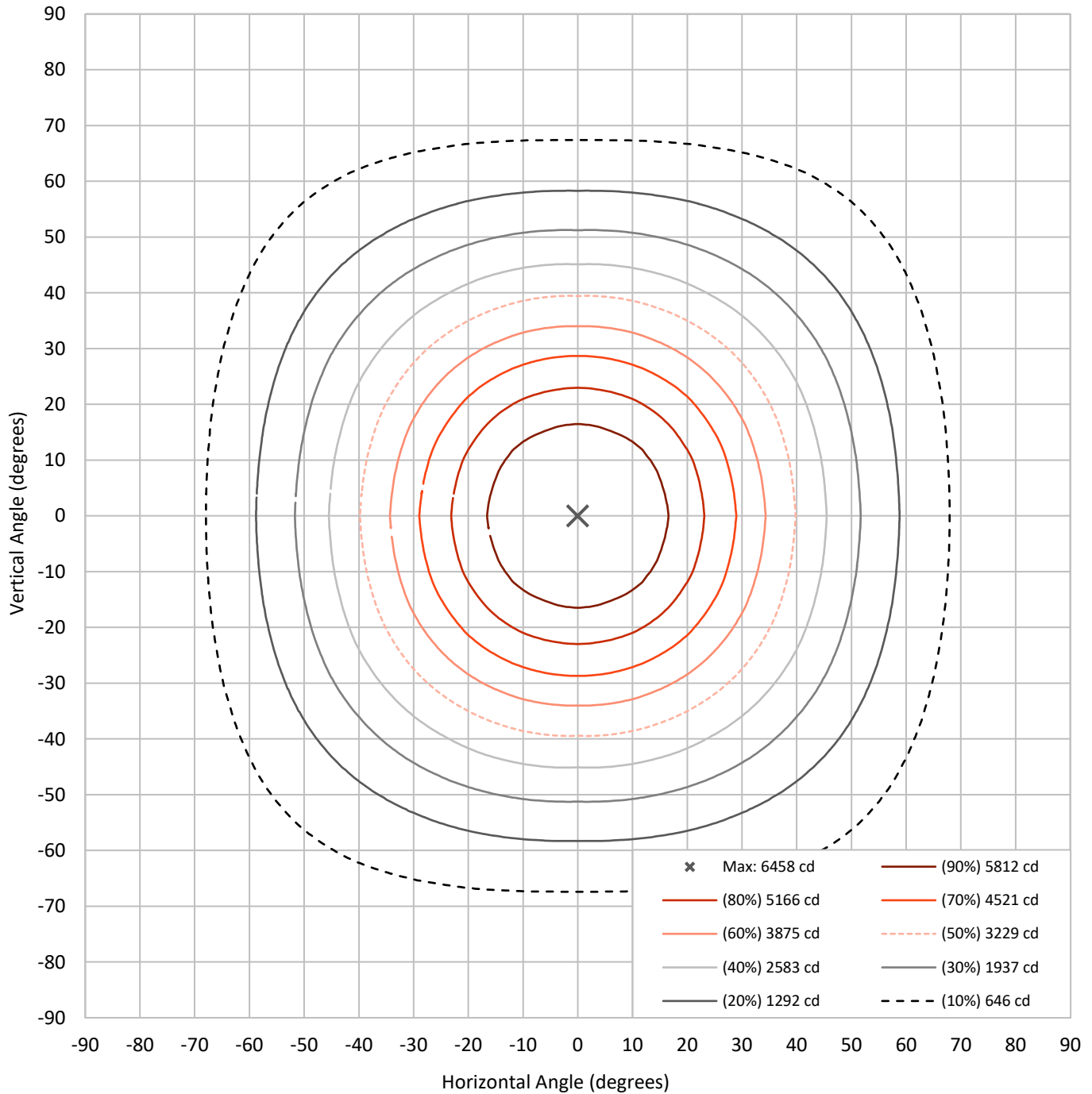
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	11672.2 lumens	Max Intensity:	6458 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	6845.8 lumens	Field Lumens:	11127.5 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	93.7		
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





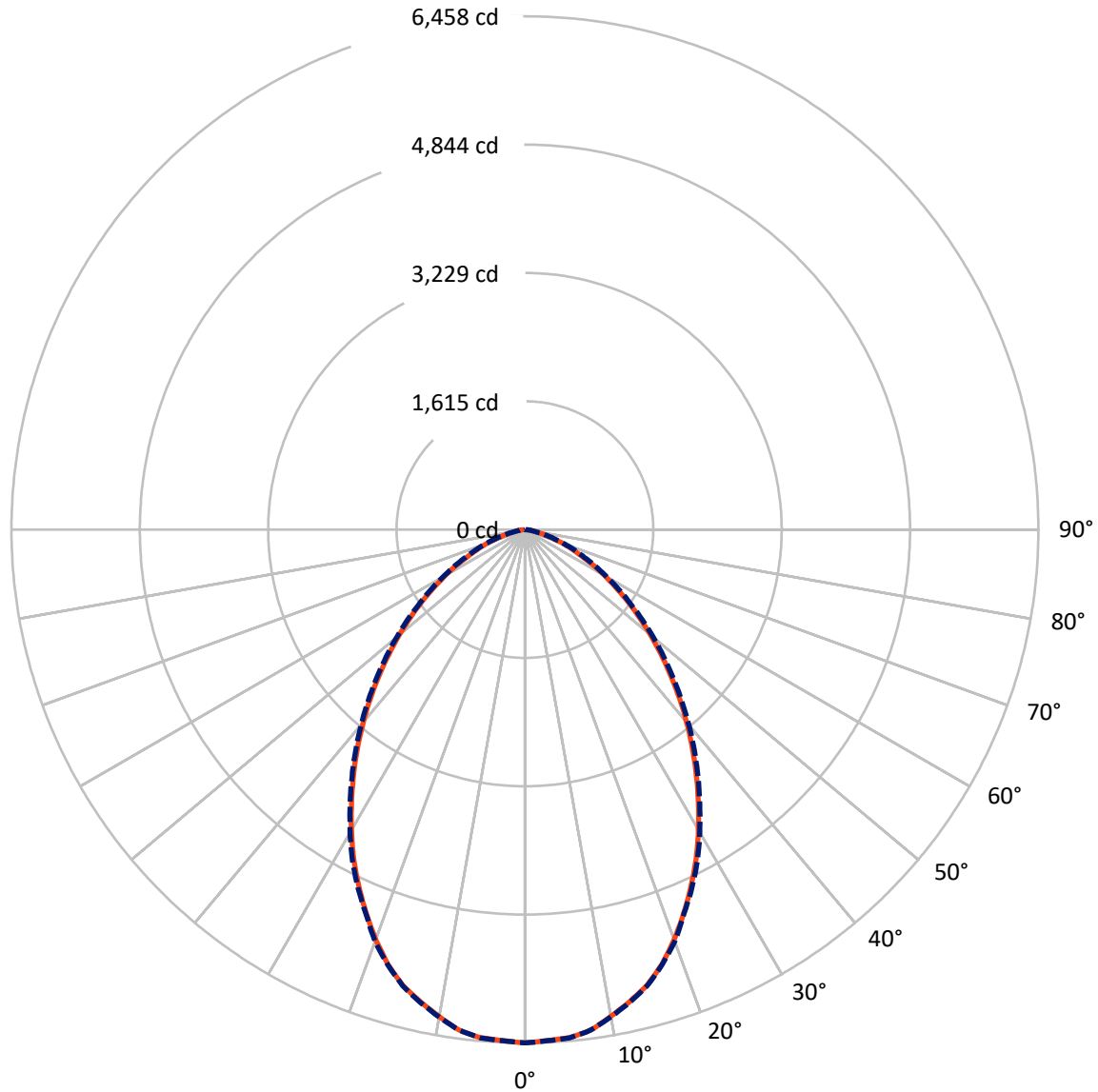
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Lumen Table

90																			
80	0.4	4.8	13.0	22.1	20.8	22.1	13.0	4.8	0.4										
70																			
60	2.2	3.0	6.0	10.3	15.1	19.5	22.8	24.3	24.3	22.8	19.5	15.1	10.3	6.0	3.0	2.2			
50		4.5	9.8	17.5	26.5	36.0	43.9	47.9	47.9	43.9	36.0	26.5	17.5	9.8	4.5				
40	3.8	6.0	14.2	26.2	41.5	57.5	71.0	78.3	78.3	71.0	57.5	41.5	26.2	14.2	6.0	3.8			
30		7.6	18.8	36.1	58.1	81.5	101.4	112.8	112.8	101.4	81.5	58.1	36.1	18.8	7.6				
20	4.9	9.1	23.1	45.4	74.0	105.0	132.1	147.7	147.7	132.1	105.0	74.0	45.4	23.1	9.1	4.9			
10		10.3	26.5	52.3	86.4	124.1	157.4	176.4	176.4	157.4	124.1	86.4	52.3	26.5	10.3				
0	5.3	10.9	28.3	56.3	93.3	134.7	171.1	191.1	191.1	171.1	134.7	93.3	56.3	28.3	10.9	5.3			
-10		10.9	28.3	56.3	93.3	134.7	171.1	191.1	191.1	171.1	134.7	93.3	56.3	28.3	10.9				
-20	4.9	10.3	26.5	52.3	86.4	124.1	157.4	176.4	176.4	157.4	124.1	86.4	52.3	26.5	10.3	4.9			
-30		9.1	23.1	45.4	74.0	105.0	132.1	147.7	147.7	132.1	105.0	74.0	45.4	23.1	9.1				
-40	3.8	7.6	18.8	36.1	58.1	81.5	101.4	112.8	112.8	101.4	81.5	58.1	36.1	18.8	7.6	3.8			
-50		6.0	14.2	26.2	41.5	57.5	71.0	78.3	78.3	71.0	57.5	41.5	26.2	14.2	6.0				
-60	2.2	4.5	9.8	17.5	26.5	36.0	43.9	47.9	47.9	43.9	36.0	26.5	17.5	9.8	4.5	2.2			
-70		3.0	6.0	10.3	15.1	19.5	22.8	24.3	24.3	22.8	19.5	15.1	10.3	6.0	3.0				
-80	0.4	4.8	13.0	22.1	20.8	22.1	13.0	4.8	0.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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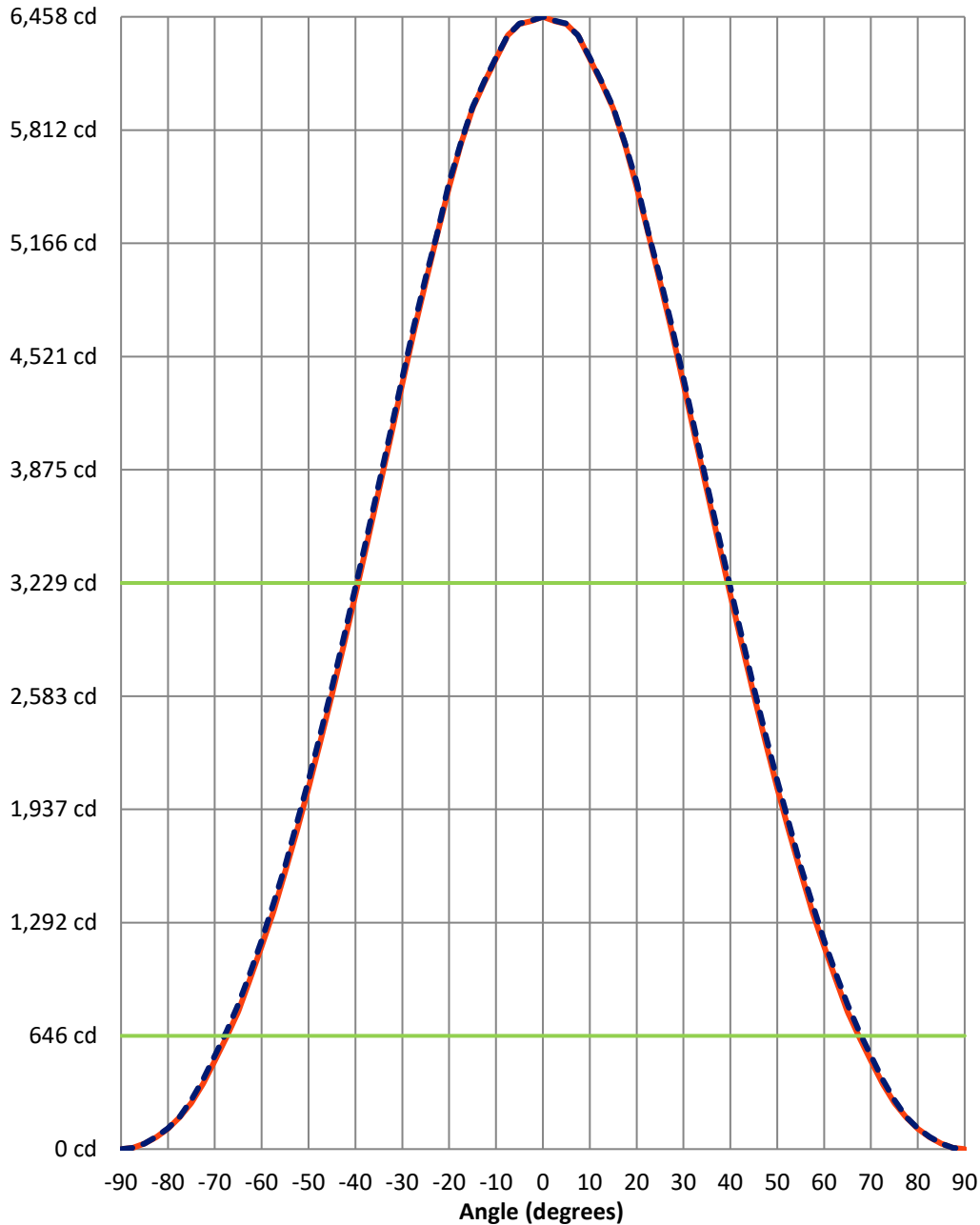
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 6845.8
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 11127.5
 Efficiency: 95.3%

Spill:
 Lumens: 544.8
 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	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
85°	0.0	0.7	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
82.5°	0.0	1.1	2.5	3.8	5.0	6.3	7.5	8.7	10.9	17.2	23.2
80°	0.0	1.5	3.4	5.0	6.7	8.4	11.3	20.1	28.5	36.7	44.5
77.5°	0.0	1.8	4.2	6.3	8.4	13.1	24.6	35.7	46.1	56.1	68.5
75°	0.0	2.2	5.0	7.5	10.9	22.6	37.5	51.1	64.1	82.1	101.1
72.5°	0.0	2.5	5.8	8.7	17.3	31.9	50.1	67.7	88.2	110.0	133.1
70°	0.0	2.9	6.5	10.5	23.6	40.8	62.7	87.7	111.8	137.5	167.5
67.5°	0.0	3.2	7.3	14.3	29.6	49.4	77.7	107.2	134.8	167.3	201.7
65°	0.0	3.5	8.0	18.0	35.3	59.0	92.2	126.1	159.7	196.2	233.8
62.5°	0.0	3.9	8.7	21.6	40.7	69.5	105.9	145.9	183.8	223.9	262.4
60°	0.0	4.2	9.4	24.9	45.8	79.5	118.8	165.6	206.9	249.7	290.6
57.5°	0.0	4.5	11.3	28.1	52.6	88.8	132.4	183.9	229.8	275.1	317.4
55°	0.0	4.8	13.1	31.0	59.1	97.5	145.2	199.7	252.2	299.7	343.1
52.5°	0.0	5.0	14.9	33.7	65.2	105.8	157.2	216.1	274.1	322.3	368.1
50°	0.0	5.3	16.6	36.2	70.7	114.5	168.1	231.8	295.0	344.2	396.8
47.5°	0.0	5.5	18.2	38.8	75.8	122.5	178.3	246.3	313.9	365.5	424.9
45°	0.0	5.8	19.7	42.1	80.3	129.7	189.7	259.7	328.6	389.5	451.8
42.5°	0.0	6.0	21.2	45.2	84.4	136.1	200.1	272.0	342.6	412.5	483.4
40°	0.0	6.2	22.5	48.3	88.4	141.7	209.6	283.7	357.2	434.0	514.3
37.5°	0.0	6.4	23.8	51.4	92.5	146.5	218.1	294.7	373.6	454.4	543.2
35°	0.0	6.5	25.0	54.2	95.9	152.0	225.5	305.2	389.6	477.9	572.4
32.5°	0.0	6.7	26.1	56.9	98.8	157.6	232.5	314.9	405.1	500.6	603.3
30°	0.0	6.8	27.1	59.3	101.1	162.3	239.7	324.7	420.0	522.2	632.1
27.5°	0.0	7.0	28.0	61.5	104.5	166.2	246.1	336.0	435.4	542.7	658.9
25°	0.0	7.1	28.8	63.5	107.8	169.3	251.8	346.5	451.5	563.6	683.7
22.5°	0.0	7.2	29.5	65.2	110.6	172.4	256.7	356.1	466.3	583.4	710.1
20°	0.0	7.2	30.1	66.7	113.1	176.7	260.7	364.8	479.7	601.0	733.7
17.5°	0.0	7.3	30.6	67.9	115.2	180.2	265.7	372.4	491.6	616.5	754.6
15°	0.0	7.4	31.0	69.0	116.8	183.0	271.0	379.7	502.1	629.8	772.5
12.5°	0.0	7.4	31.4	69.8	118.1	184.9	275.2	386.6	511.4	640.9	787.6
10°	0.0	7.4	31.6	70.3	119.0	186.2	278.5	391.8	519.5	651.2	800.3
7.5°	0.0	7.4	31.7	70.6	119.5	186.7	280.7	395.5	525.8	659.5	811.3
5°	0.0	7.4	31.7	70.7	119.6	186.4	281.8	397.6	530.1	665.6	819.1
2.5°	0.0	7.3	31.7	70.6	119.3	185.6	281.9	398.1	532.3	669.3	823.8
0°	0.0	7.3	31.5	70.2	118.6	184.0	280.8	397.0	532.5	670.5	825.4
-2.5°	0.0	7.3	31.7	70.6	119.3	185.6	281.9	398.1	532.3	669.3	823.8
-5°	0.0	7.4	31.7	70.7	119.6	186.4	281.8	397.6	530.1	665.6	819.1
-7.5°	0.0	7.4	31.7	70.6	119.5	186.7	280.7	395.5	525.8	659.5	811.3
-10°	0.0	7.4	31.6	70.3	119.0	186.2	278.5	391.8	519.5	651.2	800.3
-12.5°	0.0	7.4	31.4	69.8	118.1	184.9	275.2	386.6	511.4	640.9	787.6
-15°	0.0	7.4	31.0	69.0	116.8	183.0	271.0	379.7	502.1	629.8	772.5
-17.5°	0.0	7.3	30.6	67.9	115.2	180.2	265.7	372.4	491.6	616.5	754.6
-20°	0.0	7.2	30.1	66.7	113.1	176.7	260.7	364.8	479.7	601.0	733.7

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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	7.2	29.5	65.2	110.6	172.4	256.7	356.1	466.3	583.4	710.1
-25°	0.0	7.1	28.8	63.5	107.8	169.3	251.8	346.5	451.5	563.6	683.7
-27.5°	0.0	7.0	28.0	61.5	104.5	166.2	246.1	336.0	435.4	542.7	658.9
-30°	0.0	6.8	27.1	59.3	101.1	162.3	239.7	324.7	420.0	522.2	632.1
-32.5°	0.0	6.7	26.1	56.9	98.8	157.6	232.5	314.9	405.1	500.6	603.3
-35°	0.0	6.5	25.0	54.2	95.9	152.0	225.5	305.2	389.6	477.9	572.4
-37.5°	0.0	6.4	23.8	51.4	92.5	146.5	218.1	294.7	373.6	454.4	543.2
-40°	0.0	6.2	22.5	48.3	88.4	141.7	209.6	283.7	357.2	434.0	514.3
-42.5°	0.0	6.0	21.2	45.2	84.4	136.1	200.1	272.0	342.6	412.5	483.4
-45°	0.0	5.8	19.7	42.1	80.3	129.7	189.7	259.7	328.6	389.5	451.8
-47.5°	0.0	5.5	18.2	38.8	75.8	122.5	178.3	246.3	313.9	365.5	424.9
-50°	0.0	5.3	16.6	36.2	70.7	114.5	168.1	231.8	295.0	344.2	396.8
-52.5°	0.0	5.0	14.9	33.7	65.2	105.8	157.2	216.1	274.1	322.3	368.1
-55°	0.0	4.8	13.1	31.0	59.1	97.5	145.2	199.7	252.2	299.7	343.1
-57.5°	0.0	4.5	11.3	28.1	52.6	88.8	132.4	183.9	229.8	275.1	317.4
-60°	0.0	4.2	9.4	24.9	45.8	79.5	118.8	165.6	206.9	249.7	290.6
-62.5°	0.0	3.9	8.7	21.6	40.7	69.5	105.9	145.9	183.8	223.9	262.4
-65°	0.0	3.5	8.0	18.0	35.3	59.0	92.2	126.1	159.7	196.2	233.8
-67.5°	0.0	3.2	7.3	14.3	29.6	49.4	77.7	107.2	134.8	167.3	201.7
-70°	0.0	2.9	6.5	10.5	23.6	40.8	62.7	87.7	111.8	137.5	167.5
-72.5°	0.0	2.5	5.8	8.7	17.3	31.9	50.1	67.7	88.2	110.0	133.1
-75°	0.0	2.2	5.0	7.5	10.9	22.6	37.5	51.1	64.1	82.1	101.1
-77.5°	0.0	1.8	4.2	6.3	8.4	13.1	24.6	35.7	46.1	56.1	68.5
-80°	0.0	1.5	3.4	5.0	6.7	8.4	11.3	20.1	28.5	36.7	44.5
-82.5°	0.0	1.1	2.5	3.8	5.0	6.3	7.5	8.7	10.9	17.2	23.2
-85°	0.0	0.7	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
-87.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-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°	4.8	5.4	6.2	6.9	7.0	7.0	7.0	6.9	7.2	7.4	7.7
85°	9.5	10.9	15.1	19.2	21.1	22.3	22.9	22.8	26.5	30.8	35.5
82.5°	29.5	35.5	41.3	46.8	48.2	48.3	47.8	47.9	56.6	66.6	76.9
80°	52.4	60.1	70.3	79.4	83.3	85.4	86.3	86.2	97.2	111.8	127.3
77.5°	83.2	96.2	107.4	117.1	122.2	126.8	130.5	133.3	147.5	166.1	184.5
75°	118.2	132.5	146.6	158.9	167.5	173.9	179.9	189.4	208.0	229.6	248.4
72.5°	155.2	173.4	189.1	202.5	214.6	227.4	241.8	257.5	277.1	298.7	318.4
70°	194.7	214.7	231.2	247.3	263.7	282.9	304.5	325.7	347.5	371.4	394.4
67.5°	233.4	252.6	272.0	292.3	317.0	342.7	368.2	397.4	427.4	453.9	477.5
65°	266.9	289.5	313.8	341.3	371.8	404.5	438.5	473.6	511.5	543.3	572.3
62.5°	298.9	326.1	355.6	390.0	428.8	467.5	510.9	554.8	597.5	635.0	669.6
60°	328.5	361.3	398.7	440.8	486.1	537.6	587.0	636.9	683.8	726.3	770.0
57.5°	357.2	398.6	443.4	493.9	551.2	609.1	667.1	720.9	773.9	825.6	875.1
55°	387.6	437.5	490.8	552.8	617.4	685.8	748.3	808.3	866.7	929.5	989.1
52.5°	421.1	476.8	543.5	612.9	687.5	760.9	829.6	897.9	968.5	1039.6	1117.3
50°	453.3	522.8	595.9	676.6	757.3	835.9	914.7	993.3	1078.0	1165.1	1253.1
47.5°	491.1	566.8	653.2	739.8	827.9	915.4	1003.2	1098.3	1194.4	1295.4	1392.8
45°	529.2	614.4	707.5	805.4	900.7	997.6	1100.2	1205.3	1318.0	1429.1	1546.3
42.5°	565.4	661.7	764.3	870.1	976.0	1084.3	1197.1	1319.9	1443.1	1571.3	1700.0
40°	605.5	706.7	819.8	936.3	1051.3	1171.2	1300.2	1433.2	1572.6	1713.5	1853.3
37.5°	644.0	755.3	874.2	999.5	1128.6	1260.4	1400.5	1551.5	1702.6	1854.3	2008.4
35°	680.1	801.3	930.1	1063.2	1200.0	1350.0	1506.7	1667.8	1831.6	1995.6	2161.4
32.5°	717.3	844.7	983.6	1126.0	1276.8	1437.7	1609.2	1783.8	1958.2	2133.4	2314.8
30°	754.4	890.3	1035.3	1185.4	1350.4	1525.6	1710.0	1894.9	2079.4	2272.1	2465.5
27.5°	789.6	933.5	1086.2	1246.8	1420.9	1607.1	1802.9	2000.9	2199.9	2404.8	2611.1
25°	821.9	974.4	1133.4	1305.9	1490.4	1685.4	1889.4	2096.1	2314.2	2533.5	2749.0
22.5°	853.5	1012.0	1177.2	1360.3	1553.3	1758.2	1970.6	2188.8	2416.8	2652.3	2875.2
20°	883.9	1047.8	1219.7	1409.6	1609.7	1823.7	2044.4	2272.9	2512.2	2753.9	2993.6
17.5°	910.9	1079.7	1259.4	1455.7	1663.6	1883.6	2110.9	2347.0	2596.8	2847.4	3101.4
15°	934.3	1107.4	1293.7	1496.0	1711.1	1938.1	2172.6	2415.4	2671.7	2932.6	3196.7
12.5°	954.2	1130.8	1322.6	1530.2	1751.5	1984.8	2225.6	2476.9	2740.1	3008.4	3280.2
10°	970.4	1149.9	1346.0	1558.2	1784.5	2023.4	2269.3	2527.7	2798.8	3072.8	3350.3
7.5°	984.1	1165.9	1364.5	1579.7	1809.9	2053.6	2303.3	2567.3	2845.5	3123.1	3406.7
5°	994.1	1178.8	1381.5	1597.8	1832.0	2077.2	2329.0	2595.5	2879.7	3158.9	3447.6
2.5°	1000.1	1187.2	1393.1	1609.5	1849.4	2094.9	2352.0	2620.4	2904.7	3187.3	3478.3
0°	1002.1	1190.9	1399.1	1614.5	1859.0	2103.4	2364.9	2633.5	2916.7	3204.8	3497.7
-2.5°	1000.1	1187.2	1393.1	1609.5	1849.4	2094.9	2352.0	2620.4	2904.7	3187.3	3478.3
-5°	994.1	1178.8	1381.5	1597.8	1832.0	2077.2	2329.0	2595.5	2879.7	3158.9	3447.6
-7.5°	984.1	1165.9	1364.5	1579.7	1809.9	2053.6	2303.3	2567.3	2845.5	3123.1	3406.7
-10°	970.4	1149.9	1346.0	1558.2	1784.5	2023.4	2269.3	2527.7	2798.8	3072.8	3350.3
-12.5°	954.2	1130.8	1322.6	1530.2	1751.5	1984.8	2225.6	2476.9	2740.1	3008.4	3280.2
-15°	934.3	1107.4	1293.7	1496.0	1711.1	1938.1	2172.6	2415.4	2671.7	2932.6	3196.7
-17.5°	910.9	1079.7	1259.4	1455.7	1663.6	1883.6	2110.9	2347.0	2596.8	2847.4	3101.4
-20°	883.9	1047.8	1219.7	1409.6	1609.7	1823.7	2044.4	2272.9	2512.2	2753.9	2993.6

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-727-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°	853.5	1012.0	1177.2	1360.3	1553.3	1758.2	1970.6	2188.8	2416.8	2652.3	2875.2
-25°	821.9	974.4	1133.4	1305.9	1490.4	1685.4	1889.4	2096.1	2314.2	2533.5	2749.0
-27.5°	789.6	933.5	1086.2	1246.8	1420.9	1607.1	1802.9	2000.9	2199.9	2404.8	2611.1
-30°	754.4	890.3	1035.3	1185.4	1350.4	1525.6	1710.0	1894.9	2079.4	2272.1	2465.5
-32.5°	717.3	844.7	983.6	1126.0	1276.8	1437.7	1609.2	1783.8	1958.2	2133.4	2314.8
-35°	680.1	801.3	930.1	1063.2	1200.0	1350.0	1506.7	1667.8	1831.6	1995.6	2161.4
-37.5°	644.0	755.3	874.2	999.5	1128.6	1260.4	1400.5	1551.5	1702.6	1854.3	2008.4
-40°	605.5	706.7	819.8	936.3	1051.3	1171.2	1300.2	1433.2	1572.6	1713.5	1853.3
-42.5°	565.4	661.7	764.3	870.1	976.0	1084.3	1197.1	1319.9	1443.1	1571.3	1700.0
-45°	529.2	614.4	707.5	805.4	900.7	997.6	1100.2	1205.3	1318.0	1429.1	1546.3
-47.5°	491.1	566.8	653.2	739.8	827.9	915.4	1003.2	1098.3	1194.4	1295.4	1392.8
-50°	453.3	522.8	595.9	676.6	757.3	835.9	914.7	993.3	1078.0	1165.1	1253.1
-52.5°	421.1	476.8	543.5	612.9	687.5	760.9	829.6	897.9	968.5	1039.6	1117.3
-55°	387.6	437.5	490.8	552.8	617.4	685.8	748.3	808.3	866.7	929.5	989.1
-57.5°	357.2	398.6	443.4	493.9	551.2	609.1	667.1	720.9	773.9	825.6	875.1
-60°	328.5	361.3	398.7	440.8	486.1	537.6	587.0	636.9	683.8	726.3	770.0
-62.5°	298.9	326.1	355.6	390.0	428.8	467.5	510.9	554.8	597.5	635.0	669.6
-65°	266.9	289.5	313.8	341.3	371.8	404.5	438.5	473.6	511.5	543.3	572.3
-67.5°	233.4	252.6	272.0	292.3	317.0	342.7	368.2	397.4	427.4	453.9	477.5
-70°	194.7	214.7	231.2	247.3	263.7	282.9	304.5	325.7	347.5	371.4	394.4
-72.5°	155.2	173.4	189.1	202.5	214.6	227.4	241.8	257.5	277.1	298.7	318.4
-75°	118.2	132.5	146.6	158.9	167.5	173.9	179.9	189.4	208.0	229.6	248.4
-77.5°	83.2	96.2	107.4	117.1	122.2	126.8	130.5	133.3	147.5	166.1	184.5
-80°	52.4	60.1	70.3	79.4	83.3	85.4	86.3	86.2	97.2	111.8	127.3
-82.5°	29.5	35.5	41.3	46.8	48.2	48.3	47.8	47.9	56.6	66.6	76.9
-85°	9.5	10.9	15.1	19.2	21.1	22.3	22.9	22.8	26.5	30.8	35.5
-87.5°	4.8	5.4	6.2	6.9	7.0	7.0	7.0	6.9	7.2	7.4	7.7
-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: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-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°	7.9	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.4	8.9	8.4
85°	40.4	43.3	46.0	48.5	50.9	53.2	55.4	57.4	59.3	54.1	48.4
82.5°	87.3	94.3	100.9	107.6	114.1	115.8	116.3	116.1	115.2	106.2	96.2
80°	142.5	154.4	165.6	176.7	187.6	188.9	187.6	185.3	182.1	170.3	156.9
77.5°	202.8	217.7	230.8	242.8	253.7	255.8	255.5	254.9	254.0	242.0	227.3
75°	264.6	279.2	293.3	305.3	315.2	319.8	322.1	323.7	324.6	315.9	304.6
72.5°	336.2	351.4	363.9	375.5	385.3	392.5	397.6	401.5	404.1	401.4	396.8
70°	413.9	430.2	444.0	457.1	470.5	481.2	489.3	495.1	498.9	501.3	503.0
67.5°	501.5	523.3	542.4	558.7	574.9	590.1	602.5	612.7	620.5	627.2	632.3
65°	600.1	628.0	652.9	675.7	696.6	718.5	736.5	751.6	763.8	773.8	781.9
62.5°	703.8	738.1	769.9	800.8	831.1	860.9	883.8	904.6	923.2	939.1	951.8
60°	811.5	850.4	893.2	934.0	971.5	1005.8	1039.9	1069.4	1094.7	1115.6	1132.5
57.5°	927.3	977.7	1027.7	1078.4	1126.3	1171.1	1213.0	1250.0	1281.3	1306.9	1328.5
55°	1052.4	1115.5	1173.4	1237.4	1299.1	1355.3	1404.8	1448.3	1486.0	1517.5	1544.3
52.5°	1189.9	1266.6	1341.9	1414.6	1484.7	1549.9	1609.2	1659.9	1704.9	1743.6	1774.4
50°	1340.4	1428.1	1515.4	1596.3	1676.8	1752.0	1819.9	1878.7	1931.2	1976.6	2012.3
47.5°	1497.8	1597.7	1695.1	1787.7	1876.8	1960.4	2034.0	2101.0	2166.4	2219.7	2261.9
45°	1661.2	1773.3	1880.7	1986.6	2084.8	2178.4	2269.2	2352.7	2419.8	2478.5	2527.9
42.5°	1826.6	1951.6	2072.0	2187.5	2295.5	2403.8	2505.9	2597.1	2673.6	2740.4	2796.5
40°	1994.2	2131.0	2263.6	2389.6	2513.0	2631.1	2741.5	2837.8	2924.1	3003.4	3069.5
37.5°	2160.9	2311.4	2458.3	2599.5	2735.4	2863.3	2982.6	3091.3	3188.7	3279.1	3352.5
35°	2328.4	2493.5	2654.3	2809.6	2958.1	3099.3	3229.9	3353.6	3468.4	3559.9	3635.0
32.5°	2495.2	2672.7	2847.8	3018.7	3181.2	3333.4	3474.9	3611.6	3729.7	3830.3	3916.7
30°	2656.6	2849.0	3039.6	3225.0	3400.4	3565.3	3722.1	3866.6	3993.6	4103.7	4200.5
27.5°	2815.0	3021.7	3226.2	3424.2	3613.9	3793.1	3964.2	4121.0	4259.5	4379.1	4481.2
25°	2964.7	3186.8	3404.9	3614.8	3817.4	4015.1	4199.8	4370.9	4518.9	4650.2	4755.1
22.5°	3107.7	3344.6	3573.7	3794.5	4011.3	4224.4	4426.6	4605.2	4762.1	4899.3	5015.5
20°	3241.0	3494.8	3729.2	3962.7	4191.2	4418.7	4635.7	4824.2	4990.2	5136.3	5264.2
17.5°	3365.5	3625.9	3872.7	4121.3	4362.1	4600.8	4821.3	5023.3	5202.3	5357.5	5491.6
15°	3471.0	3733.9	4003.4	4268.9	4522.8	4764.5	4984.8	5195.8	5394.6	5562.4	5698.4
12.5°	3556.4	3829.8	4111.0	4392.8	4661.3	4902.6	5133.4	5347.4	5556.2	5744.7	5869.7
10°	3629.2	3910.7	4201.0	4488.4	4760.5	5015.8	5266.7	5493.0	5698.2	5866.9	6006.5
7.5°	3692.1	3982.1	4276.9	4564.8	4836.0	5099.8	5358.0	5598.3	5805.5	5964.5	6089.0
5°	3738.5	4035.4	4335.9	4626.5	4901.4	5166.1	5425.4	5662.8	5865.0	6026.8	6162.5
2.5°	3771.7	4071.4	4374.1	4665.1	4946.1	5211.4	5477.2	5717.2	5913.1	6061.3	6191.3
0°	3793.0	4093.1	4398.1	4695.8	4971.8	5228.3	5514.0	5739.1	5942.4	6090.0	6225.6
-2.5°	3771.7	4071.4	4374.1	4665.1	4946.1	5211.4	5477.2	5717.2	5913.1	6061.3	6191.3
-5°	3738.5	4035.4	4335.9	4626.5	4901.4	5166.1	5425.4	5662.8	5865.0	6026.8	6162.5
-7.5°	3692.1	3982.1	4276.9	4564.8	4836.0	5099.8	5358.0	5598.3	5805.5	5964.5	6089.0
-10°	3629.2	3910.7	4201.0	4488.4	4760.5	5015.8	5266.7	5493.0	5698.2	5866.9	6006.5
-12.5°	3556.4	3829.8	4111.0	4392.8	4661.3	4902.6	5133.4	5347.4	5556.2	5744.7	5869.7
-15°	3471.0	3733.9	4003.4	4268.9	4522.8	4764.5	4984.8	5195.8	5394.6	5562.4	5698.4
-17.5°	3365.5	3625.9	3872.7	4121.3	4362.1	4600.8	4821.3	5023.3	5202.3	5357.5	5491.6
-20°	3241.0	3494.8	3729.2	3962.7	4191.2	4418.7	4635.7	4824.2	4990.2	5136.3	5264.2

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REPORT NUMBER: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3107.7	3344.6	3573.7	3794.5	4011.3	4224.4	4426.6	4605.2	4762.1	4899.3	5015.5
-25°	2964.7	3186.8	3404.9	3614.8	3817.4	4015.1	4199.8	4370.9	4518.9	4650.2	4755.1
-27.5°	2815.0	3021.7	3226.2	3424.2	3613.9	3793.1	3964.2	4121.0	4259.5	4379.1	4481.2
-30°	2656.6	2849.0	3039.6	3225.0	3400.4	3565.3	3722.1	3866.6	3993.6	4103.7	4200.5
-32.5°	2495.2	2672.7	2847.8	3018.7	3181.2	3333.4	3474.9	3611.6	3729.7	3830.3	3916.7
-35°	2328.4	2493.5	2654.3	2809.6	2958.1	3099.3	3229.9	3353.6	3468.4	3559.9	3635.0
-37.5°	2160.9	2311.4	2458.3	2599.5	2735.4	2863.3	2982.6	3091.3	3188.7	3279.1	3352.5
-40°	1994.2	2131.0	2263.6	2389.6	2513.0	2631.1	2741.5	2837.8	2924.1	3003.4	3069.5
-42.5°	1826.6	1951.6	2072.0	2187.5	2295.5	2403.8	2505.9	2597.1	2673.6	2740.4	2796.5
-45°	1661.2	1773.3	1880.7	1986.6	2084.8	2178.4	2269.2	2352.7	2419.8	2478.5	2527.9
-47.5°	1497.8	1597.7	1695.1	1787.7	1876.8	1960.4	2034.0	2101.0	2166.4	2219.7	2261.9
-50°	1340.4	1428.1	1515.4	1596.3	1676.8	1752.0	1819.9	1878.7	1931.2	1976.6	2012.3
-52.5°	1189.9	1266.6	1341.9	1414.6	1484.7	1549.9	1609.2	1659.9	1704.9	1743.6	1774.4
-55°	1052.4	1115.5	1173.4	1237.4	1299.1	1355.3	1404.8	1448.3	1486.0	1517.5	1544.3
-57.5°	927.3	977.7	1027.7	1078.4	1126.3	1171.1	1213.0	1250.0	1281.3	1306.9	1328.5
-60°	811.5	850.4	893.2	934.0	971.5	1005.8	1039.9	1069.4	1094.7	1115.6	1132.5
-62.5°	703.8	738.1	769.9	800.8	831.1	860.9	883.8	904.6	923.2	939.1	951.8
-65°	600.1	628.0	652.9	675.7	696.6	718.5	736.5	751.6	763.8	773.8	781.9
-67.5°	501.5	523.3	542.4	558.7	574.9	590.1	602.5	612.7	620.5	627.2	632.3
-70°	413.9	430.2	444.0	457.1	470.5	481.2	489.3	495.1	498.9	501.3	503.0
-72.5°	336.2	351.4	363.9	375.5	385.3	392.5	397.6	401.5	404.1	401.4	396.8
-75°	264.6	279.2	293.3	305.3	315.2	319.8	322.1	323.7	324.6	315.9	304.6
-77.5°	202.8	217.7	230.8	242.8	253.7	255.8	255.5	254.9	254.0	242.0	227.3
-80°	142.5	154.4	165.6	176.7	187.6	188.9	187.6	185.3	182.1	170.3	156.9
-82.5°	87.3	94.3	100.9	107.6	114.1	115.8	116.3	116.1	115.2	106.2	96.2
-85°	40.4	43.3	46.0	48.5	50.9	53.2	55.4	57.4	59.3	54.1	48.4
-87.5°	7.9	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.4	8.9	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: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-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°	7.8	7.3	7.3	7.3	7.3	7.3	7.8	8.4	8.9	9.4	9.3
85°	42.4	36.1	33.9	31.5	33.9	36.1	42.4	48.4	54.1	59.3	57.4
82.5°	85.7	74.8	71.3	67.8	71.3	74.8	85.7	96.2	106.2	115.2	116.1
80°	142.7	128.0	122.1	116.2	122.1	128.0	142.7	156.9	170.3	182.1	185.3
77.5°	211.9	195.6	188.7	181.5	188.7	195.6	211.9	227.3	242.0	254.0	254.9
75°	292.6	279.8	272.1	263.8	272.1	279.8	292.6	304.6	315.9	324.6	323.7
72.5°	391.5	385.3	379.7	372.8	379.7	385.3	391.5	396.8	401.4	404.1	401.5
70°	503.6	502.8	503.8	503.5	503.8	502.8	503.6	503.0	501.3	498.9	495.1
67.5°	634.9	635.1	637.8	639.0	637.8	635.1	634.9	632.3	627.2	620.5	612.7
65°	786.9	788.7	788.1	784.3	788.1	788.7	786.9	781.9	773.8	763.8	751.6
62.5°	960.8	966.1	968.9	968.2	968.9	966.1	960.8	951.8	939.1	923.2	904.6
60°	1145.2	1153.3	1157.5	1157.0	1157.5	1153.3	1145.2	1132.5	1115.6	1094.7	1069.4
57.5°	1344.5	1355.0	1357.5	1353.1	1357.5	1355.0	1344.5	1328.5	1306.9	1281.3	1250.0
55°	1564.5	1577.9	1583.1	1580.6	1583.1	1577.9	1564.5	1544.3	1517.5	1486.0	1448.3
52.5°	1797.0	1811.5	1816.7	1813.0	1816.7	1811.5	1797.0	1774.4	1743.6	1704.9	1659.9
50°	2038.6	2056.2	2063.3	2059.9	2063.3	2056.2	2038.6	2012.3	1976.6	1931.2	1878.7
47.5°	2294.9	2318.4	2327.5	2321.3	2327.5	2318.4	2294.9	2261.9	2219.7	2166.4	2101.0
45°	2564.7	2589.0	2598.4	2592.4	2598.4	2589.0	2564.7	2527.9	2478.5	2419.8	2352.7
42.5°	2839.4	2870.9	2884.3	2873.2	2884.3	2870.9	2839.4	2796.5	2740.4	2673.6	2597.1
40°	3118.8	3153.1	3168.9	3161.2	3168.9	3153.1	3118.8	3069.5	3003.4	2924.1	2837.8
37.5°	3405.5	3439.6	3456.3	3456.5	3456.3	3439.6	3405.5	3352.5	3279.1	3188.7	3091.3
35°	3693.2	3734.5	3757.8	3756.7	3757.8	3734.5	3693.2	3635.0	3559.9	3468.4	3353.6
32.5°	3984.9	4029.6	4053.5	4056.8	4053.5	4029.6	3984.9	3916.7	3830.3	3729.7	3611.6
30°	4276.1	4325.3	4352.9	4364.2	4352.9	4325.3	4276.1	4200.5	4103.7	3993.6	3866.6
27.5°	4558.6	4619.0	4660.7	4664.4	4660.7	4619.0	4558.6	4481.2	4379.1	4259.5	4121.0
25°	4832.1	4893.7	4936.5	4945.1	4936.5	4893.7	4832.1	4755.1	4650.2	4518.9	4370.9
22.5°	5101.7	5166.0	5205.6	5221.1	5205.6	5166.0	5101.7	5015.5	4899.3	4762.1	4605.2
20°	5359.1	5428.8	5470.7	5487.3	5470.7	5428.8	5359.1	5264.2	5136.3	4990.2	4824.2
17.5°	5591.9	5665.6	5717.2	5731.8	5717.2	5665.6	5591.9	5491.6	5357.5	5202.3	5023.3
15°	5796.8	5866.7	5915.8	5935.1	5915.8	5866.7	5796.8	5698.4	5562.4	5394.6	5195.8
12.5°	5963.6	6026.1	6064.5	6082.8	6064.5	6026.1	5963.6	5869.7	5744.7	5556.2	5347.4
10°	6093.8	6156.6	6193.3	6218.3	6193.3	6156.6	6093.8	6006.5	5866.9	5698.2	5493.0
7.5°	6206.9	6271.2	6316.1	6351.5	6316.1	6271.2	6206.9	6089.0	5964.5	5805.5	5598.3
5°	6269.4	6376.7	6392.8	6416.8	6392.8	6376.7	6269.4	6162.5	6026.8	5865.0	5662.8
2.5°	6317.0	6393.1	6438.8	6433.8	6438.8	6393.1	6317.0	6191.3	6061.3	5913.1	5717.2
0°	6351.5	6419.2	6436.2	6458.0	6436.2	6419.2	6351.5	6225.6	6090.0	5942.4	5739.1
-2.5°	6317.0	6393.1	6438.8	6433.8	6438.8	6393.1	6317.0	6191.3	6061.3	5913.1	5717.2
-5°	6269.4	6376.7	6392.8	6416.8	6392.8	6376.7	6269.4	6162.5	6026.8	5865.0	5662.8
-7.5°	6206.9	6271.2	6316.1	6351.5	6316.1	6271.2	6206.9	6089.0	5964.5	5805.5	5598.3
-10°	6093.8	6156.6	6193.3	6218.3	6193.3	6156.6	6093.8	6006.5	5866.9	5698.2	5493.0
-12.5°	5963.6	6026.1	6064.5	6082.8	6064.5	6026.1	5963.6	5869.7	5744.7	5556.2	5347.4
-15°	5796.8	5866.7	5915.8	5935.1	5915.8	5866.7	5796.8	5698.4	5562.4	5394.6	5195.8
-17.5°	5591.9	5665.6	5717.2	5731.8	5717.2	5665.6	5591.9	5491.6	5357.5	5202.3	5023.3
-20°	5359.1	5428.8	5470.7	5487.3	5470.7	5428.8	5359.1	5264.2	5136.3	4990.2	4824.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-727-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°	5101.7	5166.0	5205.6	5221.1	5205.6	5166.0	5101.7	5015.5	4899.3	4762.1	4605.2
-25°	4832.1	4893.7	4936.5	4945.1	4936.5	4893.7	4832.1	4755.1	4650.2	4518.9	4370.9
-27.5°	4558.6	4619.0	4660.7	4664.4	4660.7	4619.0	4558.6	4481.2	4379.1	4259.5	4121.0
-30°	4276.1	4325.3	4352.9	4364.2	4352.9	4325.3	4276.1	4200.5	4103.7	3993.6	3866.6
-32.5°	3984.9	4029.6	4053.5	4056.8	4053.5	4029.6	3984.9	3916.7	3830.3	3729.7	3611.6
-35°	3693.2	3734.5	3757.8	3756.7	3757.8	3734.5	3693.2	3635.0	3559.9	3468.4	3353.6
-37.5°	3405.5	3439.6	3456.3	3456.5	3456.3	3439.6	3405.5	3352.5	3279.1	3188.7	3091.3
-40°	3118.8	3153.1	3168.9	3161.2	3168.9	3153.1	3118.8	3069.5	3003.4	2924.1	2837.8
-42.5°	2839.4	2870.9	2884.3	2873.2	2884.3	2870.9	2839.4	2796.5	2740.4	2673.6	2597.1
-45°	2564.7	2589.0	2598.4	2592.4	2598.4	2589.0	2564.7	2527.9	2478.5	2419.8	2352.7
-47.5°	2294.9	2318.4	2327.5	2321.3	2327.5	2318.4	2294.9	2261.9	2219.7	2166.4	2101.0
-50°	2038.6	2056.2	2063.3	2059.9	2063.3	2056.2	2038.6	2012.3	1976.6	1931.2	1878.7
-52.5°	1797.0	1811.5	1816.7	1813.0	1816.7	1811.5	1797.0	1774.4	1743.6	1704.9	1659.9
-55°	1564.5	1577.9	1583.1	1580.6	1583.1	1577.9	1564.5	1544.3	1517.5	1486.0	1448.3
-57.5°	1344.5	1355.0	1357.5	1353.1	1357.5	1355.0	1344.5	1328.5	1306.9	1281.3	1250.0
-60°	1145.2	1153.3	1157.5	1157.0	1157.5	1153.3	1145.2	1132.5	1115.6	1094.7	1069.4
-62.5°	960.8	966.1	968.9	968.2	968.9	966.1	960.8	951.8	939.1	923.2	904.6
-65°	786.9	788.7	788.1	784.3	788.1	788.7	786.9	781.9	773.8	763.8	751.6
-67.5°	634.9	635.1	637.8	639.0	637.8	635.1	634.9	632.3	627.2	620.5	612.7
-70°	503.6	502.8	503.8	503.5	503.8	502.8	503.6	503.0	501.3	498.9	495.1
-72.5°	391.5	385.3	379.7	372.8	379.7	385.3	391.5	396.8	401.4	404.1	401.5
-75°	292.6	279.8	272.1	263.8	272.1	279.8	292.6	304.6	315.9	324.6	323.7
-77.5°	211.9	195.6	188.7	181.5	188.7	195.6	211.9	227.3	242.0	254.0	254.9
-80°	142.7	128.0	122.1	116.2	122.1	128.0	142.7	156.9	170.3	182.1	185.3
-82.5°	85.7	74.8	71.3	67.8	71.3	74.8	85.7	96.2	106.2	115.2	116.1
-85°	42.4	36.1	33.9	31.5	33.9	36.1	42.4	48.4	54.1	59.3	57.4
-87.5°	7.8	7.3	7.3	7.3	7.3	7.3	7.8	8.4	8.9	9.4	9.3
-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: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-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°	9.1	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9
85°	55.4	53.2	50.9	48.5	46.0	43.3	40.4	35.5	30.8	26.5	22.8
82.5°	116.3	115.8	114.1	107.6	100.9	94.3	87.3	76.9	66.6	56.6	47.9
80°	187.6	188.9	187.6	176.7	165.6	154.4	142.5	127.3	111.8	97.2	86.2
77.5°	255.5	255.8	253.7	242.8	230.8	217.7	202.8	184.5	166.1	147.5	133.3
75°	322.1	319.8	315.2	305.3	293.3	279.2	264.6	248.4	229.6	208.0	189.4
72.5°	397.6	392.5	385.3	375.5	363.9	351.4	336.2	318.4	298.7	277.1	257.5
70°	489.3	481.2	470.5	457.1	444.0	430.2	413.9	394.4	371.4	347.5	325.7
67.5°	602.5	590.1	574.9	558.7	542.4	523.3	501.5	477.5	453.9	427.4	397.4
65°	736.5	718.5	696.6	675.7	652.9	628.0	600.1	572.3	543.3	511.5	473.6
62.5°	883.8	860.9	831.1	800.8	769.9	738.1	703.8	669.6	635.0	597.5	554.8
60°	1039.9	1005.8	971.5	934.0	893.2	850.4	811.5	770.0	726.3	683.8	636.9
57.5°	1213.0	1171.1	1126.3	1078.4	1027.7	977.7	927.3	875.1	825.6	773.9	720.9
55°	1404.8	1355.3	1299.1	1237.4	1173.4	1115.5	1052.4	989.1	929.5	866.7	808.3
52.5°	1609.2	1549.9	1484.7	1414.6	1341.9	1266.6	1189.9	1117.3	1039.6	968.5	897.9
50°	1819.9	1752.0	1676.8	1596.3	1515.4	1428.1	1340.4	1253.1	1165.1	1078.0	993.3
47.5°	2034.0	1960.4	1876.8	1787.7	1695.1	1597.7	1497.8	1392.8	1295.4	1194.4	1098.3
45°	2269.2	2178.4	2084.8	1986.6	1880.7	1773.3	1661.2	1546.3	1429.1	1318.0	1205.3
42.5°	2505.9	2403.8	2295.5	2187.5	2072.0	1951.6	1826.6	1700.0	1571.3	1443.1	1319.9
40°	2741.5	2631.1	2513.0	2389.6	2263.6	2131.0	1994.2	1853.3	1713.5	1572.6	1433.2
37.5°	2982.6	2863.3	2735.4	2599.5	2458.3	2311.4	2160.9	2008.4	1854.3	1702.6	1551.5
35°	3229.9	3099.3	2958.1	2809.6	2654.3	2493.5	2328.4	2161.4	1995.6	1831.6	1667.8
32.5°	3474.9	3333.4	3181.2	3018.7	2847.8	2672.7	2495.2	2314.8	2133.4	1958.2	1783.8
30°	3722.1	3565.3	3400.4	3225.0	3039.6	2849.0	2656.6	2465.5	2272.1	2079.4	1894.9
27.5°	3964.2	3793.1	3613.9	3424.2	3226.2	3021.7	2815.0	2611.1	2404.8	2199.9	2000.9
25°	4199.8	4015.1	3817.4	3614.8	3404.9	3186.8	2964.7	2749.0	2533.5	2314.2	2096.1
22.5°	4426.6	4224.4	4011.3	3794.5	3573.7	3344.6	3107.7	2875.2	2652.3	2416.8	2188.8
20°	4635.7	4418.7	4191.2	3962.7	3729.2	3494.8	3241.0	2993.6	2753.9	2512.2	2272.9
17.5°	4821.3	4600.8	4362.1	4121.3	3872.7	3625.9	3365.5	3101.4	2847.4	2596.8	2347.0
15°	4984.8	4764.5	4522.8	4268.9	4003.4	3733.9	3471.0	3196.7	2932.6	2671.7	2415.4
12.5°	5133.4	4902.6	4661.3	4392.8	4111.0	3829.8	3556.4	3280.2	3008.4	2740.1	2476.9
10°	5266.7	5015.8	4760.5	4488.4	4201.0	3910.7	3629.2	3350.3	3072.8	2798.8	2527.7
7.5°	5358.0	5099.8	4836.0	4564.8	4276.9	3982.1	3692.1	3406.7	3123.1	2845.5	2567.3
5°	5425.4	5166.1	4901.4	4626.5	4335.9	4035.4	3738.5	3447.6	3158.9	2879.7	2595.5
2.5°	5477.2	5211.4	4946.1	4665.1	4374.1	4071.4	3771.7	3478.3	3187.3	2904.7	2620.4
0°	5514.0	5228.3	4971.8	4695.8	4398.1	4093.1	3793.0	3497.7	3204.8	2916.7	2633.5
-2.5°	5477.2	5211.4	4946.1	4665.1	4374.1	4071.4	3771.7	3478.3	3187.3	2904.7	2620.4
-5°	5425.4	5166.1	4901.4	4626.5	4335.9	4035.4	3738.5	3447.6	3158.9	2879.7	2595.5
-7.5°	5358.0	5099.8	4836.0	4564.8	4276.9	3982.1	3692.1	3406.7	3123.1	2845.5	2567.3
-10°	5266.7	5015.8	4760.5	4488.4	4201.0	3910.7	3629.2	3350.3	3072.8	2798.8	2527.7
-12.5°	5133.4	4902.6	4661.3	4392.8	4111.0	3829.8	3556.4	3280.2	3008.4	2740.1	2476.9
-15°	4984.8	4764.5	4522.8	4268.9	4003.4	3733.9	3471.0	3196.7	2932.6	2671.7	2415.4
-17.5°	4821.3	4600.8	4362.1	4121.3	3872.7	3625.9	3365.5	3101.4	2847.4	2596.8	2347.0
-20°	4635.7	4418.7	4191.2	3962.7	3729.2	3494.8	3241.0	2993.6	2753.9	2512.2	2272.9



REPORT NUMBER: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4426.6	4224.4	4011.3	3794.5	3573.7	3344.6	3107.7	2875.2	2652.3	2416.8	2188.8
-25°	4199.8	4015.1	3817.4	3614.8	3404.9	3186.8	2964.7	2749.0	2533.5	2314.2	2096.1
-27.5°	3964.2	3793.1	3613.9	3424.2	3226.2	3021.7	2815.0	2611.1	2404.8	2199.9	2000.9
-30°	3722.1	3565.3	3400.4	3225.0	3039.6	2849.0	2656.6	2465.5	2272.1	2079.4	1894.9
-32.5°	3474.9	3333.4	3181.2	3018.7	2847.8	2672.7	2495.2	2314.8	2133.4	1958.2	1783.8
-35°	3229.9	3099.3	2958.1	2809.6	2654.3	2493.5	2328.4	2161.4	1995.6	1831.6	1667.8
-37.5°	2982.6	2863.3	2735.4	2599.5	2458.3	2311.4	2160.9	2008.4	1854.3	1702.6	1551.5
-40°	2741.5	2631.1	2513.0	2389.6	2263.6	2131.0	1994.2	1853.3	1713.5	1572.6	1433.2
-42.5°	2505.9	2403.8	2295.5	2187.5	2072.0	1951.6	1826.6	1700.0	1571.3	1443.1	1319.9
-45°	2269.2	2178.4	2084.8	1986.6	1880.7	1773.3	1661.2	1546.3	1429.1	1318.0	1205.3
-47.5°	2034.0	1960.4	1876.8	1787.7	1695.1	1597.7	1497.8	1392.8	1295.4	1194.4	1098.3
-50°	1819.9	1752.0	1676.8	1596.3	1515.4	1428.1	1340.4	1253.1	1165.1	1078.0	993.3
-52.5°	1609.2	1549.9	1484.7	1414.6	1341.9	1266.6	1189.9	1117.3	1039.6	968.5	897.9
-55°	1404.8	1355.3	1299.1	1237.4	1173.4	1115.5	1052.4	989.1	929.5	866.7	808.3
-57.5°	1213.0	1171.1	1126.3	1078.4	1027.7	977.7	927.3	875.1	825.6	773.9	720.9
-60°	1039.9	1005.8	971.5	934.0	893.2	850.4	811.5	770.0	726.3	683.8	636.9
-62.5°	883.8	860.9	831.1	800.8	769.9	738.1	703.8	669.6	635.0	597.5	554.8
-65°	736.5	718.5	696.6	675.7	652.9	628.0	600.1	572.3	543.3	511.5	473.6
-67.5°	602.5	590.1	574.9	558.7	542.4	523.3	501.5	477.5	453.9	427.4	397.4
-70°	489.3	481.2	470.5	457.1	444.0	430.2	413.9	394.4	371.4	347.5	325.7
-72.5°	397.6	392.5	385.3	375.5	363.9	351.4	336.2	318.4	298.7	277.1	257.5
-75°	322.1	319.8	315.2	305.3	293.3	279.2	264.6	248.4	229.6	208.0	189.4
-77.5°	255.5	255.8	253.7	242.8	230.8	217.7	202.8	184.5	166.1	147.5	133.3
-80°	187.6	188.9	187.6	176.7	165.6	154.4	142.5	127.3	111.8	97.2	86.2
-82.5°	116.3	115.8	114.1	107.6	100.9	94.3	87.3	76.9	66.6	56.6	47.9
-85°	55.4	53.2	50.9	48.5	46.0	43.3	40.4	35.5	30.8	26.5	22.8
-87.5°	9.1	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9
-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: P627081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-727-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°	7.0	7.0	7.0	6.9	6.2	5.4	4.8	4.1	3.7	3.3	2.9
85°	22.9	22.3	21.1	19.2	15.1	10.9	9.5	8.2	7.4	6.6	5.8
82.5°	47.8	48.3	48.2	46.8	41.3	35.5	29.5	23.2	17.2	10.9	8.7
80°	86.3	85.4	83.3	79.4	70.3	60.1	52.4	44.5	36.7	28.5	20.1
77.5°	130.5	126.8	122.2	117.1	107.4	96.2	83.2	68.5	56.1	46.1	35.7
75°	179.9	173.9	167.5	158.9	146.6	132.5	118.2	101.1	82.1	64.1	51.1
72.5°	241.8	227.4	214.6	202.5	189.1	173.4	155.2	133.1	110.0	88.2	67.7
70°	304.5	282.9	263.7	247.3	231.2	214.7	194.7	167.5	137.5	111.8	87.7
67.5°	368.2	342.7	317.0	292.3	272.0	252.6	233.4	201.7	167.3	134.8	107.2
65°	438.5	404.5	371.8	341.3	313.8	289.5	266.9	233.8	196.2	159.7	126.1
62.5°	510.9	467.5	428.8	390.0	355.6	326.1	298.9	262.4	223.9	183.8	145.9
60°	587.0	537.6	486.1	440.8	398.7	361.3	328.5	290.6	249.7	206.9	165.6
57.5°	667.1	609.1	551.2	493.9	443.4	398.6	357.2	317.4	275.1	229.8	183.9
55°	748.3	685.8	617.4	552.8	490.8	437.5	387.6	343.1	299.7	252.2	199.7
52.5°	829.6	760.9	687.5	612.9	543.5	476.8	421.1	368.1	322.3	274.1	216.1
50°	914.7	835.9	757.3	676.6	595.9	522.8	453.3	396.8	344.2	295.0	231.8
47.5°	1003.2	915.4	827.9	739.8	653.2	566.8	491.1	424.9	365.5	313.9	246.3
45°	1100.2	997.6	900.7	805.4	707.5	614.4	529.2	451.8	389.5	328.6	259.7
42.5°	1197.1	1084.3	976.0	870.1	764.3	661.7	565.4	483.4	412.5	342.6	272.0
40°	1300.2	1171.2	1051.3	936.3	819.8	706.7	605.5	514.3	434.0	357.2	283.7
37.5°	1400.5	1260.4	1128.6	999.5	874.2	755.3	644.0	543.2	454.4	373.6	294.7
35°	1506.7	1350.0	1200.0	1063.2	930.1	801.3	680.1	572.4	477.9	389.6	305.2
32.5°	1609.2	1437.7	1276.8	1126.0	983.6	844.7	717.3	603.3	500.6	405.1	314.9
30°	1710.0	1525.6	1350.4	1185.4	1035.3	890.3	754.4	632.1	522.2	420.0	324.7
27.5°	1802.9	1607.1	1420.9	1246.8	1086.2	933.5	789.6	658.9	542.7	435.4	336.0
25°	1889.4	1685.4	1490.4	1305.9	1133.4	974.4	821.9	683.7	563.6	451.5	346.5
22.5°	1970.6	1758.2	1553.3	1360.3	1177.2	1012.0	853.5	710.1	583.4	466.3	356.1
20°	2044.4	1823.7	1609.7	1409.6	1219.7	1047.8	883.9	733.7	601.0	479.7	364.8
17.5°	2110.9	1883.6	1663.6	1455.7	1259.4	1079.7	910.9	754.6	616.5	491.6	372.4
15°	2172.6	1938.1	1711.1	1496.0	1293.7	1107.4	934.3	772.5	629.8	502.1	379.7
12.5°	2225.6	1984.8	1751.5	1530.2	1322.6	1130.8	954.2	787.6	640.9	511.4	386.6
10°	2269.3	2023.4	1784.5	1558.2	1346.0	1149.9	970.4	800.3	651.2	519.5	391.8
7.5°	2303.3	2053.6	1809.9	1579.7	1364.5	1165.9	984.1	811.3	659.5	525.8	395.5
5°	2329.0	2077.2	1832.0	1597.8	1381.5	1178.8	994.1	819.1	665.6	530.1	397.6
2.5°	2352.0	2094.9	1849.4	1609.5	1393.1	1187.2	1000.1	823.8	669.3	532.3	398.1
0°	2364.9	2103.4	1859.0	1614.5	1399.1	1190.9	1002.1	825.4	670.5	532.5	397.0
-2.5°	2352.0	2094.9	1849.4	1609.5	1393.1	1187.2	1000.1	823.8	669.3	532.3	398.1
-5°	2329.0	2077.2	1832.0	1597.8	1381.5	1178.8	994.1	819.1	665.6	530.1	397.6
-7.5°	2303.3	2053.6	1809.9	1579.7	1364.5	1165.9	984.1	811.3	659.5	525.8	395.5
-10°	2269.3	2023.4	1784.5	1558.2	1346.0	1149.9	970.4	800.3	651.2	519.5	391.8
-12.5°	2225.6	1984.8	1751.5	1530.2	1322.6	1130.8	954.2	787.6	640.9	511.4	386.6
-15°	2172.6	1938.1	1711.1	1496.0	1293.7	1107.4	934.3	772.5	629.8	502.1	379.7
-17.5°	2110.9	1883.6	1663.6	1455.7	1259.4	1079.7	910.9	754.6	616.5	491.6	372.4
-20°	2044.4	1823.7	1609.7	1409.6	1219.7	1047.8	883.9	733.7	601.0	479.7	364.8



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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°	1970.6	1758.2	1553.3	1360.3	1177.2	1012.0	853.5	710.1	583.4	466.3	356.1
-25°	1889.4	1685.4	1490.4	1305.9	1133.4	974.4	821.9	683.7	563.6	451.5	346.5
-27.5°	1802.9	1607.1	1420.9	1246.8	1086.2	933.5	789.6	658.9	542.7	435.4	336.0
-30°	1710.0	1525.6	1350.4	1185.4	1035.3	890.3	754.4	632.1	522.2	420.0	324.7
-32.5°	1609.2	1437.7	1276.8	1126.0	983.6	844.7	717.3	603.3	500.6	405.1	314.9
-35°	1506.7	1350.0	1200.0	1063.2	930.1	801.3	680.1	572.4	477.9	389.6	305.2
-37.5°	1400.5	1260.4	1128.6	999.5	874.2	755.3	644.0	543.2	454.4	373.6	294.7
-40°	1300.2	1171.2	1051.3	936.3	819.8	706.7	605.5	514.3	434.0	357.2	283.7
-42.5°	1197.1	1084.3	976.0	870.1	764.3	661.7	565.4	483.4	412.5	342.6	272.0
-45°	1100.2	997.6	900.7	805.4	707.5	614.4	529.2	451.8	389.5	328.6	259.7
-47.5°	1003.2	915.4	827.9	739.8	653.2	566.8	491.1	424.9	365.5	313.9	246.3
-50°	914.7	835.9	757.3	676.6	595.9	522.8	453.3	396.8	344.2	295.0	231.8
-52.5°	829.6	760.9	687.5	612.9	543.5	476.8	421.1	368.1	322.3	274.1	216.1
-55°	748.3	685.8	617.4	552.8	490.8	437.5	387.6	343.1	299.7	252.2	199.7
-57.5°	667.1	609.1	551.2	493.9	443.4	398.6	357.2	317.4	275.1	229.8	183.9
-60°	587.0	537.6	486.1	440.8	398.7	361.3	328.5	290.6	249.7	206.9	165.6
-62.5°	510.9	467.5	428.8	390.0	355.6	326.1	298.9	262.4	223.9	183.8	145.9
-65°	438.5	404.5	371.8	341.3	313.8	289.5	266.9	233.8	196.2	159.7	126.1
-67.5°	368.2	342.7	317.0	292.3	272.0	252.6	233.4	201.7	167.3	134.8	107.2
-70°	304.5	282.9	263.7	247.3	231.2	214.7	194.7	167.5	137.5	111.8	87.7
-72.5°	241.8	227.4	214.6	202.5	189.1	173.4	155.2	133.1	110.0	88.2	67.7
-75°	179.9	173.9	167.5	158.9	146.6	132.5	118.2	101.1	82.1	64.1	51.1
-77.5°	130.5	126.8	122.2	117.1	107.4	96.2	83.2	68.5	56.1	46.1	35.7
-80°	86.3	85.4	83.3	79.4	70.3	60.1	52.4	44.5	36.7	28.5	20.1
-82.5°	47.8	48.3	48.2	46.8	41.3	35.5	29.5	23.2	17.2	10.9	8.7
-85°	22.9	22.3	21.1	19.2	15.1	10.9	9.5	8.2	7.4	6.6	5.8
-87.5°	7.0	7.0	7.0	6.9	6.2	5.4	4.8	4.1	3.7	3.3	2.9
-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°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
85°	5.0	4.2	3.4	2.5	1.7	0.7	0.0
82.5°	7.5	6.3	5.0	3.8	2.5	1.1	0.0
80°	11.3	8.4	6.7	5.0	3.4	1.5	0.0
77.5°	24.6	13.1	8.4	6.3	4.2	1.8	0.0
75°	37.5	22.6	10.9	7.5	5.0	2.2	0.0
72.5°	50.1	31.9	17.3	8.7	5.8	2.5	0.0
70°	62.7	40.8	23.6	10.5	6.5	2.9	0.0
67.5°	77.7	49.4	29.6	14.3	7.3	3.2	0.0
65°	92.2	59.0	35.3	18.0	8.0	3.5	0.0
62.5°	105.9	69.5	40.7	21.6	8.7	3.9	0.0
60°	118.8	79.5	45.8	24.9	9.4	4.2	0.0
57.5°	132.4	88.8	52.6	28.1	11.3	4.5	0.0
55°	145.2	97.5	59.1	31.0	13.1	4.8	0.0
52.5°	157.2	105.8	65.2	33.7	14.9	5.0	0.0
50°	168.1	114.5	70.7	36.2	16.6	5.3	0.0
47.5°	178.3	122.5	75.8	38.8	18.2	5.5	0.0
45°	189.7	129.7	80.3	42.1	19.7	5.8	0.0
42.5°	200.1	136.1	84.4	45.2	21.2	6.0	0.0
40°	209.6	141.7	88.4	48.3	22.5	6.2	0.0
37.5°	218.1	146.5	92.5	51.4	23.8	6.4	0.0
35°	225.5	152.0	95.9	54.2	25.0	6.5	0.0
32.5°	232.5	157.6	98.8	56.9	26.1	6.7	0.0
30°	239.7	162.3	101.1	59.3	27.1	6.8	0.0
27.5°	246.1	166.2	104.5	61.5	28.0	7.0	0.0
25°	251.8	169.3	107.8	63.5	28.8	7.1	0.0
22.5°	256.7	172.4	110.6	65.2	29.5	7.2	0.0
20°	260.7	176.7	113.1	66.7	30.1	7.2	0.0
17.5°	265.7	180.2	115.2	67.9	30.6	7.3	0.0
15°	271.0	183.0	116.8	69.0	31.0	7.4	0.0
12.5°	275.2	184.9	118.1	69.8	31.4	7.4	0.0
10°	278.5	186.2	119.0	70.3	31.6	7.4	0.0
7.5°	280.7	186.7	119.5	70.6	31.7	7.4	0.0
5°	281.8	186.4	119.6	70.7	31.7	7.4	0.0
2.5°	281.9	185.6	119.3	70.6	31.7	7.3	0.0
0°	280.8	184.0	118.6	70.2	31.5	7.3	0.0
-2.5°	281.9	185.6	119.3	70.6	31.7	7.3	0.0
-5°	281.8	186.4	119.6	70.7	31.7	7.4	0.0
-7.5°	280.7	186.7	119.5	70.6	31.7	7.4	0.0
-10°	278.5	186.2	119.0	70.3	31.6	7.4	0.0
-12.5°	275.2	184.9	118.1	69.8	31.4	7.4	0.0
-15°	271.0	183.0	116.8	69.0	31.0	7.4	0.0
-17.5°	265.7	180.2	115.2	67.9	30.6	7.3	0.0
-20°	260.7	176.7	113.1	66.7	30.1	7.2	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	256.7	172.4	110.6	65.2	29.5	7.2	0.0
-25°	251.8	169.3	107.8	63.5	28.8	7.1	0.0
-27.5°	246.1	166.2	104.5	61.5	28.0	7.0	0.0
-30°	239.7	162.3	101.1	59.3	27.1	6.8	0.0
-32.5°	232.5	157.6	98.8	56.9	26.1	6.7	0.0
-35°	225.5	152.0	95.9	54.2	25.0	6.5	0.0
-37.5°	218.1	146.5	92.5	51.4	23.8	6.4	0.0
-40°	209.6	141.7	88.4	48.3	22.5	6.2	0.0
-42.5°	200.1	136.1	84.4	45.2	21.2	6.0	0.0
-45°	189.7	129.7	80.3	42.1	19.7	5.8	0.0
-47.5°	178.3	122.5	75.8	38.8	18.2	5.5	0.0
-50°	168.1	114.5	70.7	36.2	16.6	5.3	0.0
-52.5°	157.2	105.8	65.2	33.7	14.9	5.0	0.0
-55°	145.2	97.5	59.1	31.0	13.1	4.8	0.0
-57.5°	132.4	88.8	52.6	28.1	11.3	4.5	0.0
-60°	118.8	79.5	45.8	24.9	9.4	4.2	0.0
-62.5°	105.9	69.5	40.7	21.6	8.7	3.9	0.0
-65°	92.2	59.0	35.3	18.0	8.0	3.5	0.0
-67.5°	77.7	49.4	29.6	14.3	7.3	3.2	0.0
-70°	62.7	40.8	23.6	10.5	6.5	2.9	0.0
-72.5°	50.1	31.9	17.3	8.7	5.8	2.5	0.0
-75°	37.5	22.6	10.9	7.5	5.0	2.2	0.0
-77.5°	24.6	13.1	8.4	6.3	4.2	1.8	0.0
-80°	11.3	8.4	6.7	5.0	3.4	1.5	0.0
-82.5°	7.5	6.3	5.0	3.8	2.5	1.1	0.0
-85°	5.0	4.2	3.4	2.5	1.7	0.7	0.0
-87.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)