

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: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4C-750-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645474 (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-SA4C-750-U-LAM-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, LAMBERTIAN
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24874 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')

NEMA Type: 7H x 7V
Max Intensity: 8131.3 candela
Max Intensity Angle: -22.5°H x 0°V

Beam Angle (50%): 117.8°H x 112°V
Beam Lumens: 20700.6 lumens
Beam Efficiency: 83.2%

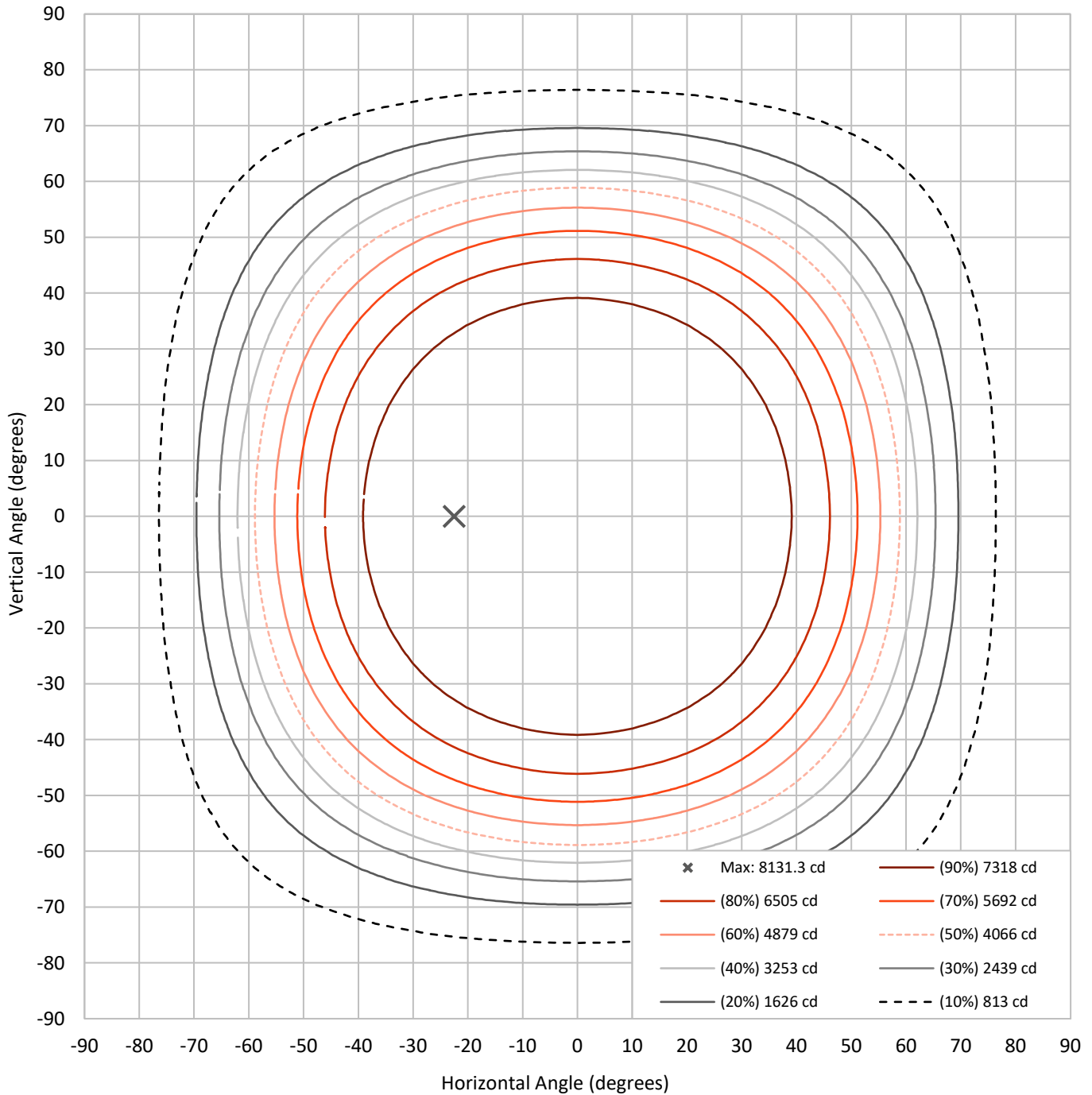
Field Angle (10%): 152.8°H x 150.5°V
Field Lumens: 24384.8 lumens
Field Efficiency: 98.0%

Input Watts (W): 168.2
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





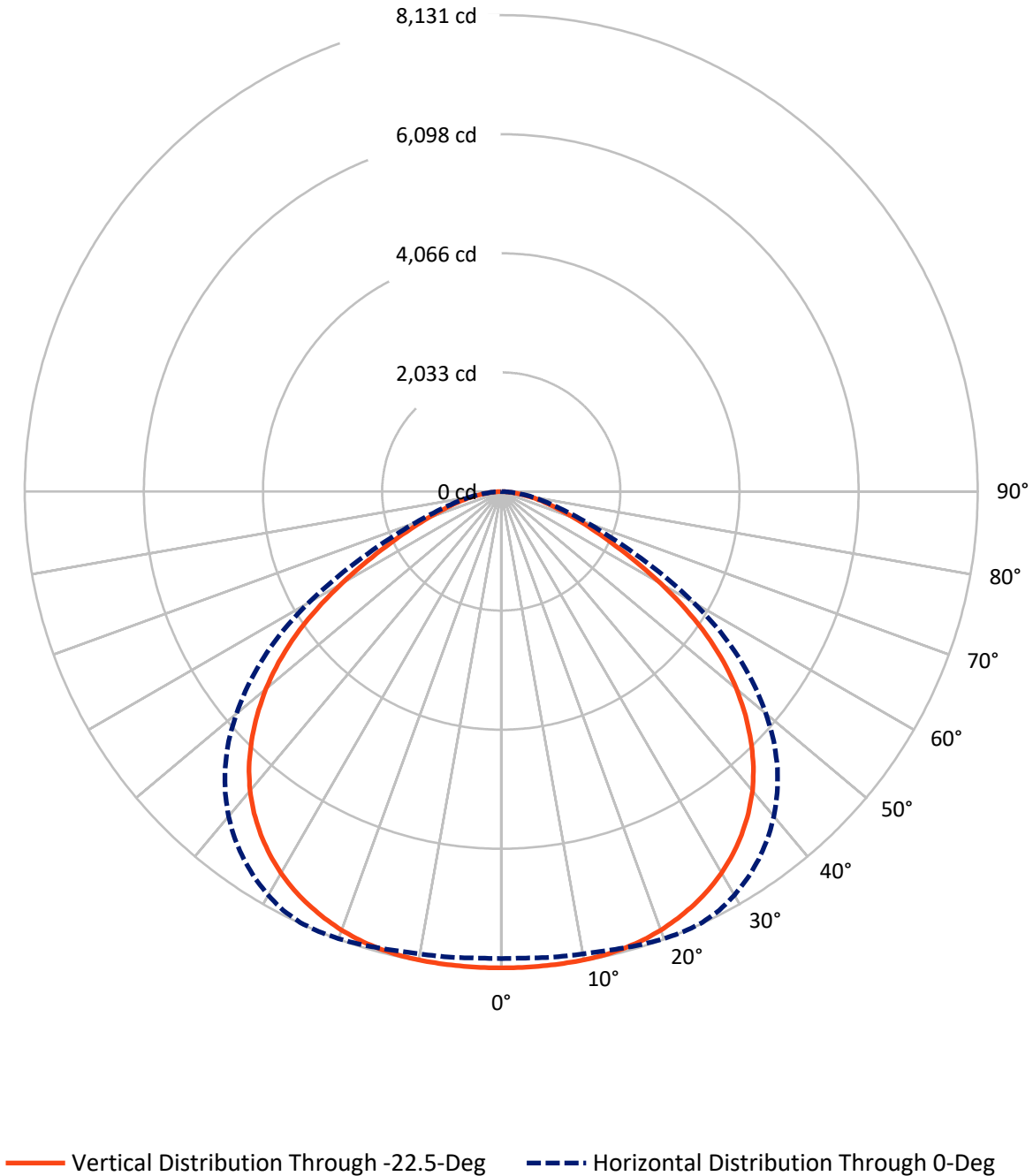
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Lumen Table

90																		
80	1.2	12.9	36.4	60.6	71.0	60.6	36.4	12.9	1.2									
70																		
60	6.1	7.2	15.1	26.4	40.9	56.4	69.8	77.2	77.2	69.8	56.4	40.9	26.4	15.1	7.2			6.1
50																		
40	11.6	11.2	25.8	50.0	81.7	112.5	135.4	147.6	147.6	135.4	112.5	81.7	50.0	25.8	11.2			11.6
30																		
20	15.9	16.0	40.8	81.3	124.6	160.9	186.5	199.6	199.6	186.5	160.9	124.6	81.3	40.8	16.0			15.9
10																		
0	17.6	21.5	57.7	107.8	154.9	192.6	217.9	230.5	230.5	217.9	192.6	154.9	107.8	57.7	21.5			17.6
-10																		
-20	15.9	26.9	71.8	125.8	174.2	210.9	234.3	244.7	244.7	234.3	210.9	174.2	125.8	71.8	26.9			15.9
-30																		
-40	11.6	31.3	81.1	136.9	185.0	219.9	238.4	244.8	244.8	238.4	219.9	185.0	136.9	81.1	31.3			11.6
-50																		
-60	6.1	33.6	85.7	142.1	189.7	222.6	237.4	242.6	242.6	237.4	222.6	189.7	142.1	85.7	33.6			6.1
-70																		
-80	1.2	33.6	85.7	142.1	189.7	222.6	237.4	242.6	242.6	237.4	222.6	189.7	142.1	85.7	33.6			1.2
-90																		

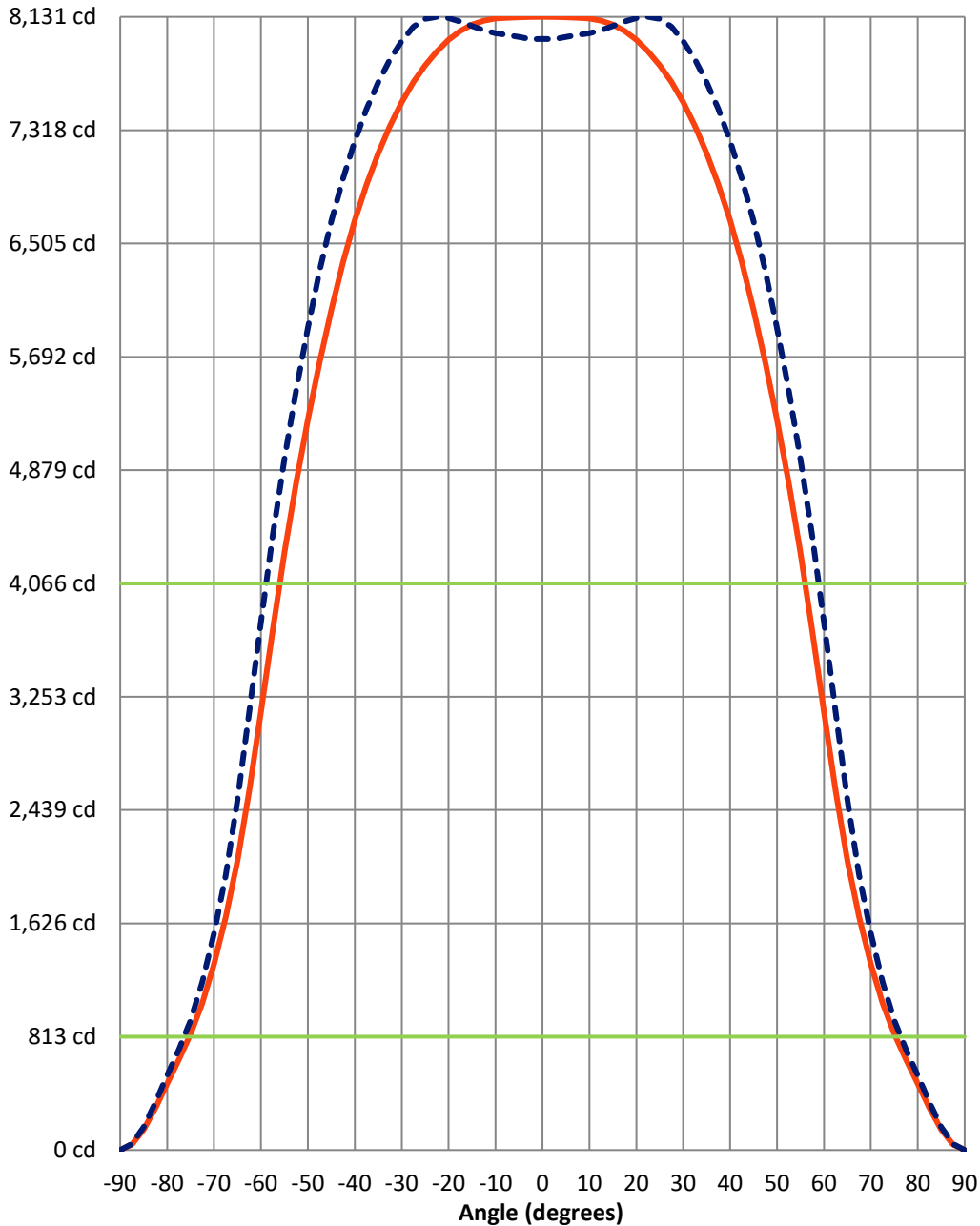
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 20700.6
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 24384.8
 Efficiency: 98.0%

Spill:
 Lumens: 489.2
 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	13.4	15.2	17.0	18.8
85°	0.0	3.9	7.7	11.6	15.4	19.2	23.0	26.7	30.4	34.0	37.6
82.5°	0.0	5.8	11.6	17.4	23.1	28.8	34.5	40.0	47.3	62.1	76.6
80°	0.0	7.7	15.4	23.1	30.8	38.3	48.2	68.4	88.3	107.9	127.2
77.5°	0.0	9.6	19.2	28.8	38.3	53.5	78.9	104.1	129.0	153.5	183.0
75°	0.0	11.5	23.0	34.5	48.2	78.9	109.4	139.5	171.0	213.7	255.6
72.5°	0.0	13.4	26.7	40.0	68.4	104.1	139.5	178.7	229.1	278.8	327.6
70°	0.0	15.2	30.4	47.3	88.3	129.0	171.0	229.1	286.5	343.2	404.5
67.5°	0.0	17.0	34.0	62.1	107.9	153.5	213.7	278.8	343.2	413.1	481.8
65°	0.0	18.8	37.6	76.6	127.2	183.0	255.6	327.6	404.5	481.8	557.0
62.5°	0.0	20.5	41.1	90.7	146.1	217.3	296.8	379.0	464.7	548.8	628.3
60°	0.0	22.2	44.5	104.6	164.6	250.9	337.1	430.6	523.7	611.9	698.3
57.5°	0.0	23.9	53.4	118.1	190.4	283.7	379.9	481.1	579.2	673.7	773.1
55°	0.0	25.5	62.2	131.3	215.9	315.6	422.1	530.3	632.8	735.7	849.0
52.5°	0.0	27.1	70.7	144.1	240.7	347.1	463.1	576.1	684.9	802.2	922.9
50°	0.0	28.6	78.9	156.4	264.7	380.2	502.7	620.3	737.4	866.8	1014.7
47.5°	0.0	30.1	86.9	169.7	287.9	412.1	540.8	663.0	792.8	929.2	1105.9
45°	0.0	31.5	94.5	186.3	310.1	442.8	576.0	704.1	846.2	1007.8	1193.9
42.5°	0.0	32.8	101.8	202.3	331.4	472.1	609.7	746.6	897.5	1083.7	1297.7
40°	0.0	34.1	108.8	217.5	352.8	500.2	641.8	789.3	951.4	1156.3	1400.2
37.5°	0.0	35.3	115.4	232.0	374.1	526.9	672.4	830.0	1012.7	1230.6	1497.9
35°	0.0	36.4	121.7	245.6	394.2	551.3	701.4	868.4	1070.7	1313.6	1597.6
32.5°	0.0	37.5	127.5	258.5	413.1	573.9	729.7	904.7	1125.3	1391.8	1702.5
30°	0.0	38.5	133.0	270.5	430.8	595.1	758.6	941.1	1176.5	1465.1	1800.8
27.5°	0.0	39.5	138.1	281.6	447.2	614.7	785.5	982.4	1228.7	1533.2	1892.3
25°	0.0	40.3	142.8	291.9	462.3	632.7	810.2	1020.5	1284.1	1604.2	1977.7
22.5°	0.0	41.1	147.0	301.2	476.0	649.2	832.7	1055.2	1334.7	1673.0	2077.6
20°	0.0	41.8	150.9	309.6	488.4	664.0	853.0	1086.5	1380.3	1735.0	2167.7
17.5°	0.0	42.4	154.3	317.0	499.3	677.1	871.0	1114.3	1420.8	1790.2	2247.9
15°	0.0	43.0	157.2	323.5	508.9	688.6	886.7	1138.5	1456.2	1838.3	2317.8
12.5°	0.0	43.4	159.7	329.0	517.0	698.3	900.1	1159.1	1486.2	1879.3	2377.4
10°	0.0	43.8	161.8	333.5	523.7	706.3	911.0	1176.1	1510.9	1913.0	2426.4
7.5°	0.0	44.1	163.4	337.1	528.9	712.6	919.6	1189.3	1530.2	1939.3	2464.7
5°	0.0	44.3	164.6	339.6	532.6	717.0	925.7	1198.7	1544.0	1958.1	2492.1
2.5°	0.0	44.5	165.3	341.1	534.9	719.7	929.4	1204.4	1552.3	1969.4	2508.6
0°	0.0	44.5	165.5	341.6	535.6	720.6	930.6	1206.3	1555.1	1973.2	2514.1
-2.5°	0.0	44.5	165.3	341.1	534.9	719.7	929.4	1204.4	1552.3	1969.4	2508.6
-5°	0.0	44.3	164.6	339.6	532.6	717.0	925.7	1198.7	1544.0	1958.1	2492.1
-7.5°	0.0	44.1	163.4	337.1	528.9	712.6	919.6	1189.3	1530.2	1939.3	2464.7
-10°	0.0	43.8	161.8	333.5	523.7	706.3	911.0	1176.1	1510.9	1913.0	2426.4
-12.5°	0.0	43.4	159.7	329.0	517.0	698.3	900.1	1159.1	1486.2	1879.3	2377.4
-15°	0.0	43.0	157.2	323.5	508.9	688.6	886.7	1138.5	1456.2	1838.3	2317.8
-17.5°	0.0	42.4	154.3	317.0	499.3	677.1	871.0	1114.3	1420.8	1790.2	2247.9
-20°	0.0	41.8	150.9	309.6	488.4	664.0	853.0	1086.5	1380.3	1735.0	2167.7

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Scaled Data Report



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	41.1	147.0	301.2	476.0	649.2	832.7	1055.2	1334.7	1673.0	2077.6
-25°	0.0	40.3	142.8	291.9	462.3	632.7	810.2	1020.5	1284.1	1604.2	1977.7
-27.5°	0.0	39.5	138.1	281.6	447.2	614.7	785.5	982.4	1228.7	1533.2	1892.3
-30°	0.0	38.5	133.0	270.5	430.8	595.1	758.6	941.1	1176.5	1465.1	1800.8
-32.5°	0.0	37.5	127.5	258.5	413.1	573.9	729.7	904.7	1125.3	1391.8	1702.5
-35°	0.0	36.4	121.7	245.6	394.2	551.3	701.4	868.4	1070.7	1313.6	1597.6
-37.5°	0.0	35.3	115.4	232.0	374.1	526.9	672.4	830.0	1012.7	1230.6	1497.9
-40°	0.0	34.1	108.8	217.5	352.8	500.2	641.8	789.3	951.4	1156.3	1400.2
-42.5°	0.0	32.8	101.8	202.3	331.4	472.1	609.7	746.6	897.5	1083.7	1297.7
-45°	0.0	31.5	94.5	186.3	310.1	442.8	576.0	704.1	846.2	1007.8	1193.9
-47.5°	0.0	30.1	86.9	169.7	287.9	412.1	540.8	663.0	792.8	929.2	1105.9
-50°	0.0	28.6	78.9	156.4	264.7	380.2	502.7	620.3	737.4	866.8	1014.7
-52.5°	0.0	27.1	70.7	144.1	240.7	347.1	463.1	576.1	684.9	802.2	922.9
-55°	0.0	25.5	62.2	131.3	215.9	315.6	422.1	530.3	632.8	735.7	849.0
-57.5°	0.0	23.9	53.4	118.1	190.4	283.7	379.9	481.1	579.2	673.7	773.1
-60°	0.0	22.2	44.5	104.6	164.6	250.9	337.1	430.6	523.7	611.9	698.3
-62.5°	0.0	20.5	41.1	90.7	146.1	217.3	296.8	379.0	464.7	548.8	628.3
-65°	0.0	18.8	37.6	76.6	127.2	183.0	255.6	327.6	404.5	481.8	557.0
-67.5°	0.0	17.0	34.0	62.1	107.9	153.5	213.7	278.8	343.2	413.1	481.8
-70°	0.0	15.2	30.4	47.3	88.3	129.0	171.0	229.1	286.5	343.2	404.5
-72.5°	0.0	13.4	26.7	40.0	68.4	104.1	139.5	178.7	229.1	278.8	327.6
-75°	0.0	11.5	23.0	34.5	48.2	78.9	109.4	139.5	171.0	213.7	255.6
-77.5°	0.0	9.6	19.2	28.8	38.3	53.5	78.9	104.1	129.0	153.5	183.0
-80°	0.0	7.7	15.4	23.1	30.8	38.3	48.2	68.4	88.3	107.9	127.2
-82.5°	0.0	5.8	11.6	17.4	23.1	28.8	34.5	40.0	47.3	62.1	76.6
-85°	0.0	3.9	7.7	11.6	15.4	19.2	23.0	26.7	30.4	34.0	37.6
-87.5°	0.0	1.9	3.9	5.8	7.7	9.6	11.5	13.4	15.2	17.0	18.8
-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	22.2	23.9	25.5	27.1	28.6	30.1	31.5	32.8	34.1	35.3
85°	41.1	44.5	53.4	62.2	70.7	78.9	86.9	94.5	101.8	108.8	115.4
82.5°	90.7	104.6	118.1	131.3	144.1	156.4	169.7	186.3	202.3	217.5	232.0
80°	146.1	164.6	190.4	215.9	240.7	264.7	287.9	310.1	331.4	352.8	374.1
77.5°	217.3	250.9	283.7	315.6	347.1	380.2	412.1	442.8	472.1	500.2	526.9
75°	296.8	337.1	379.9	422.1	463.1	502.7	540.8	576.0	609.7	641.8	672.4
72.5°	379.0	430.6	481.1	530.3	576.1	620.3	663.0	704.1	746.6	789.3	830.0
70°	464.7	523.7	579.2	632.8	684.9	737.4	792.8	846.2	897.5	951.4	1012.7
67.5°	548.8	611.9	673.7	735.7	802.2	866.8	929.2	1007.8	1083.7	1156.3	1230.6
65°	628.3	698.3	773.1	849.0	922.9	1014.7	1105.9	1193.9	1297.7	1400.2	1497.9
62.5°	706.6	791.9	877.3	970.1	1076.8	1180.5	1300.7	1423.5	1541.6	1674.7	1804.2
60°	791.9	886.7	995.0	1114.3	1237.1	1380.3	1519.2	1673.0	1828.0	1977.7	2161.6
57.5°	877.3	995.0	1126.9	1269.0	1428.4	1589.3	1769.9	1944.6	2154.3	2363.8	2572.1
55°	970.1	1114.3	1269.0	1444.5	1628.1	1828.5	2037.9	2282.0	2518.3	2781.6	3033.7
52.5°	1076.8	1237.1	1428.4	1628.1	1848.1	2089.1	2359.4	2638.9	2933.3	3219.1	3499.4
50°	1180.5	1380.3	1589.3	1828.5	2089.1	2385.3	2699.6	3025.1	3346.5	3659.9	3953.5
47.5°	1300.7	1519.2	1769.9	2037.9	2359.4	2699.6	3055.9	3410.6	3757.2	4078.8	4386.8
45°	1423.5	1673.0	1944.6	2282.0	2638.9	3025.1	3410.6	3789.8	4141.9	4474.3	4765.0
42.5°	1541.6	1828.0	2154.3	2518.3	2933.3	3346.5	3757.2	4141.9	4502.7	4822.7	5114.8
40°	1674.7	1977.7	2363.8	2781.6	3219.1	3659.9	4078.8	4474.3	4822.7	5141.4	5437.2
37.5°	1804.2	2161.6	2572.1	3033.7	3499.4	3953.5	4386.8	4765.0	5114.8	5437.2	5720.8
35°	1927.2	2336.3	2793.5	3278.0	3767.0	4228.7	4650.4	5035.4	5383.0	5695.8	5985.8
32.5°	2063.9	2501.5	3003.1	3512.8	4010.8	4480.9	4899.0	5275.6	5621.2	5938.8	6226.8
30°	2204.9	2679.6	3201.9	3733.8	4239.7	4699.6	5117.0	5498.4	5841.2	6154.9	6437.1
27.5°	2336.3	2847.7	3391.6	3933.9	4448.9	4904.7	5316.5	5691.9	6036.7	6352.5	6626.1
25°	2457.6	3003.1	3567.3	4117.1	4625.0	5081.9	5497.3	5872.5	6215.3	6518.4	6784.3
22.5°	2577.4	3145.4	3728.2	4285.1	4786.8	5240.2	5651.9	6028.1	6371.1	6671.3	6926.6
20°	2693.8	3278.0	3870.2	4434.1	4933.6	5384.1	5792.7	6168.1	6501.9	6792.7	7046.7
17.5°	2797.5	3396.2	3994.4	4554.4	5054.3	5507.0	5917.2	6293.8	6619.6	6902.1	7150.5
15°	2888.0	3499.4	4103.0	4659.8	5158.1	5609.0	6019.2	6391.8	6715.4	6995.5	7242.2
12.5°	2965.1	3587.5	4195.7	4749.7	5246.9	5696.4	6106.7	6474.0	6792.2	7068.7	7310.0
10°	3028.6	3659.9	4272.1	4823.9	5320.1	5768.5	6179.0	6542.1	6855.9	7129.6	7366.6
7.5°	3078.2	3716.6	4331.8	4881.9	5377.5	5825.0	6235.7	6595.6	6906.0	7177.5	7411.2
5°	3113.7	3757.2	4374.6	4923.6	5418.6	5865.7	6276.5	6634.1	6942.1	7212.0	7443.4
2.5°	3135.1	3781.6	4400.4	4948.6	5443.4	5890.1	6301.1	6657.3	6963.9	7232.9	7462.9
0°	3142.2	3789.8	4409.0	4957.0	5451.7	5898.3	6309.3	6665.1	6971.2	7239.9	7469.4
-2.5°	3135.1	3781.6	4400.4	4948.6	5443.4	5890.1	6301.1	6657.3	6963.9	7232.9	7462.9
-5°	3113.7	3757.2	4374.6	4923.6	5418.6	5865.7	6276.5	6634.1	6942.1	7212.0	7443.4
-7.5°	3078.2	3716.6	4331.8	4881.9	5377.5	5825.0	6235.7	6595.6	6906.0	7177.5	7411.2
-10°	3028.6	3659.9	4272.1	4823.9	5320.1	5768.5	6179.0	6542.1	6855.9	7129.6	7366.6
-12.5°	2965.1	3587.5	4195.7	4749.7	5246.9	5696.4	6106.7	6474.0	6792.2	7068.7	7310.0
-15°	2888.0	3499.4	4103.0	4659.8	5158.1	5609.0	6019.2	6391.8	6715.4	6995.5	7242.2
-17.5°	2797.5	3396.2	3994.4	4554.4	5054.3	5507.0	5917.2	6293.8	6619.6	6902.1	7150.5
-20°	2693.8	3278.0	3870.2	4434.1	4933.6	5384.1	5792.7	6168.1	6501.9	6792.7	7046.7



REPORT NUMBER: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	2577.4	3145.4	3728.2	4285.1	4786.8	5240.2	5651.9	6028.1	6371.1	6671.3	6926.6
-25°	2457.6	3003.1	3567.3	4117.1	4625.0	5081.9	5497.3	5872.5	6215.3	6518.4	6784.3
-27.5°	2336.3	2847.7	3391.6	3933.9	4448.9	4904.7	5316.5	5691.9	6036.7	6352.5	6626.1
-30°	2204.9	2679.6	3201.9	3733.8	4239.7	4699.6	5117.0	5498.4	5841.2	6154.9	6437.1
-32.5°	2063.9	2501.5	3003.1	3512.8	4010.8	4480.9	4899.0	5275.6	5621.2	5938.8	6226.8
-35°	1927.2	2336.3	2793.5	3278.0	3767.0	4228.7	4650.4	5035.4	5383.0	5695.8	5985.8
-37.5°	1804.2	2161.6	2572.1	3033.7	3499.4	3953.5	4386.8	4765.0	5114.8	5437.2	5720.8
-40°	1674.7	1977.7	2363.8	2781.6	3219.1	3659.9	4078.8	4474.3	4822.7	5141.4	5437.2
-42.5°	1541.6	1828.0	2154.3	2518.3	2933.3	3346.5	3757.2	4141.9	4502.7	4822.7	5114.8
-45°	1423.5	1673.0	1944.6	2282.0	2638.9	3025.1	3410.6	3789.8	4141.9	4474.3	4765.0
-47.5°	1300.7	1519.2	1769.9	2037.9	2359.4	2699.6	3055.9	3410.6	3757.2	4078.8	4386.8
-50°	1180.5	1380.3	1589.3	1828.5	2089.1	2385.3	2699.6	3025.1	3346.5	3659.9	3953.5
-52.5°	1076.8	1237.1	1428.4	1628.1	1848.1	2089.1	2359.4	2638.9	2933.3	3219.1	3499.4
-55°	970.1	1114.3	1269.0	1444.5	1628.1	1828.5	2037.9	2282.0	2518.3	2781.6	3033.7
-57.5°	877.3	995.0	1126.9	1269.0	1428.4	1589.3	1769.9	1944.6	2154.3	2363.8	2572.1
-60°	791.9	886.7	995.0	1114.3	1237.1	1380.3	1519.2	1673.0	1828.0	1977.7	2161.6
-62.5°	706.6	791.9	877.3	970.1	1076.8	1180.5	1300.7	1423.5	1541.6	1674.7	1804.2
-65°	628.3	698.3	773.1	849.0	922.9	1014.7	1105.9	1193.9	1297.7	1400.2	1497.9
-67.5°	548.8	611.9	673.7	735.7	802.2	866.8	929.2	1007.8	1083.7	1156.3	1230.6
-70°	464.7	523.7	579.2	632.8	684.9	737.4	792.8	846.2	897.5	951.4	1012.7
-72.5°	379.0	430.6	481.1	530.3	576.1	620.3	663.0	704.1	746.6	789.3	830.0
-75°	296.8	337.1	379.9	422.1	463.1	502.7	540.8	576.0	609.7	641.8	672.4
-77.5°	217.3	250.9	283.7	315.6	347.1	380.2	412.1	442.8	472.1	500.2	526.9
-80°	146.1	164.6	190.4	215.9	240.7	264.7	287.9	310.1	331.4	352.8	374.1
-82.5°	90.7	104.6	118.1	131.3	144.1	156.4	169.7	186.3	202.3	217.5	232.0
-85°	41.1	44.5	53.4	62.2	70.7	78.9	86.9	94.5	101.8	108.8	115.4
-87.5°	20.5	22.2	23.9	25.5	27.1	28.6	30.1	31.5	32.8	34.1	35.3
-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: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	36.4	37.5	38.5	39.5	40.3	41.1	41.8	42.4	43.0	43.4	43.8
85°	121.7	127.5	133.0	138.1	142.8	147.0	150.9	154.3	157.2	159.7	161.8
82.5°	245.6	258.5	270.5	281.6	291.9	301.2	309.6	317.0	323.5	329.0	333.5
80°	394.2	413.1	430.8	447.2	462.3	476.0	488.4	499.3	508.9	517.0	523.7
77.5°	551.3	573.9	595.1	614.7	632.7	649.2	664.0	677.1	688.6	698.3	706.3
75°	701.4	729.7	758.6	785.5	810.2	832.7	853.0	871.0	886.7	900.1	911.0
72.5°	868.4	904.7	941.1	982.4	1020.5	1055.2	1086.5	1114.3	1138.5	1159.1	1176.1
70°	1070.7	1125.3	1176.5	1228.7	1284.1	1334.7	1380.3	1420.8	1456.2	1486.2	1510.9
67.5°	1313.6	1391.8	1465.1	1533.2	1604.2	1673.0	1735.0	1790.2	1838.3	1879.3	1913.0
65°	1597.6	1702.5	1800.8	1892.3	1977.7	2077.6	2167.7	2247.9	2317.8	2377.4	2426.4
62.5°	1927.2	2063.9	2204.9	2336.3	2457.6	2577.4	2693.8	2797.5	2888.0	2965.1	3028.6
60°	2336.3	2501.5	2679.6	2847.7	3003.1	3145.4	3278.0	3396.2	3499.4	3587.5	3659.9
57.5°	2793.5	3003.1	3201.9	3391.6	3567.3	3728.2	3870.2	3994.4	4103.0	4195.7	4272.1
55°	3278.0	3512.8	3733.8	3933.9	4117.1	4285.1	4434.1	4554.4	4659.8	4749.7	4823.9
52.5°	3767.0	4010.8	4239.7	4448.9	4625.0	4786.8	4933.6	5054.3	5158.1	5246.9	5320.1
50°	4228.7	4480.9	4699.6	4904.7	5081.9	5240.2	5384.1	5507.0	5609.0	5696.4	5768.5
47.5°	4650.4	4899.0	5117.0	5316.5	5497.3	5651.9	5792.7	5917.2	6019.2	6106.7	6179.0
45°	5035.4	5275.6	5498.4	5691.9	5872.5	6028.1	6168.1	6293.8	6391.8	6474.0	6542.1
42.5°	5383.0	5621.2	5841.2	6036.7	6215.3	6371.1	6501.9	6619.6	6715.4	6792.2	6855.9
40°	5695.8	5938.8	6154.9	6352.5	6518.4	6671.3	6792.7	6902.1	6995.5	7068.7	7129.6
37.5°	5985.8	6226.8	6437.1	6626.1	6784.3	6926.6	7046.7	7150.5	7242.2	7310.0	7366.6
35°	6250.9	6479.9	6688.0	6861.2	7018.1	7152.1	7270.3	7366.0	7451.2	7515.9	7567.4
32.5°	6479.9	6706.9	6900.2	7070.7	7223.9	7348.8	7462.3	7549.9	7627.2	7689.4	7737.3
30°	6688.0	6900.2	7088.4	7257.4	7396.9	7518.6	7620.7	7706.3	7777.7	7837.1	7879.2
27.5°	6861.2	7070.7	7257.4	7413.1	7546.6	7663.7	7757.2	7839.7	7902.0	7956.7	7992.9
25°	7018.1	7223.9	7396.9	7546.6	7676.2	7783.2	7872.2	7946.9	8002.1	8049.0	8075.9
22.5°	7152.1	7348.8	7518.6	7663.7	7783.2	7883.2	7967.0	8030.3	8075.5	8103.8	8119.8
20°	7270.3	7462.3	7620.7	7757.2	7872.2	7967.0	8039.8	8086.6	8118.1	8125.9	8130.5
17.5°	7366.0	7549.9	7706.3	7839.7	7946.9	8030.3	8086.6	8119.6	8129.0	8127.4	8122.7
15°	7451.2	7627.2	7777.7	7902.0	8002.1	8075.5	8118.1	8129.0	8126.3	8116.8	8102.1
12.5°	7515.9	7689.4	7837.1	7956.7	8049.0	8103.8	8125.9	8127.4	8116.8	8098.6	8077.7
10°	7567.4	7737.3	7879.2	7992.9	8075.9	8119.8	8130.5	8122.7	8102.1	8077.7	8054.6
7.5°	7608.2	7775.3	7912.7	8021.8	8093.5	8124.7	8127.0	8112.4	8087.6	8059.9	8035.0
5°	7637.7	7802.9	7937.1	8042.9	8106.4	8128.3	8124.5	8104.3	8075.6	8046.7	8023.8
2.5°	7655.5	7819.6	7951.9	8055.8	8114.3	8130.5	8122.9	8099.2	8068.0	8038.1	8016.4
0°	7661.5	7825.2	7956.9	8060.1	8117.0	8131.3	8122.4	8097.5	8065.4	8035.2	8013.8
-2.5°	7655.5	7819.6	7951.9	8055.8	8114.3	8130.5	8122.9	8099.2	8068.0	8038.1	8016.4
-5°	7637.7	7802.9	7937.1	8042.9	8106.4	8128.3	8124.5	8104.3	8075.6	8046.7	8023.8
-7.5°	7608.2	7775.3	7912.7	8021.8	8093.5	8124.7	8127.0	8112.4	8087.6	8059.9	8035.0
-10°	7567.4	7737.3	7879.2	7992.9	8075.9	8119.8	8130.5	8122.7	8102.1	8077.7	8054.6
-12.5°	7515.9	7689.4	7837.1	7956.7	8049.0	8103.8	8125.9	8127.4	8116.8	8098.6	8077.7
-15°	7451.2	7627.2	7777.7	7902.0	8002.1	8075.5	8118.1	8129.0	8126.3	8116.8	8102.1
-17.5°	7366.0	7549.9	7706.3	7839.7	7946.9	8030.3	8086.6	8119.6	8129.0	8127.4	8122.7
-20°	7270.3	7462.3	7620.7	7757.2	7872.2	7967.0	8039.8	8086.6	8118.1	8125.9	8130.5



REPORT NUMBER: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	7152.1	7348.8	7518.6	7663.7	7783.2	7883.2	7967.0	8030.3	8075.5	8103.8	8119.8
-25°	7018.1	7223.9	7396.9	7546.6	7676.2	7783.2	7872.2	7946.9	8002.1	8049.0	8075.9
-27.5°	6861.2	7070.7	7257.4	7413.1	7546.6	7663.7	7757.2	7839.7	7902.0	7956.7	7992.9
-30°	6688.0	6900.2	7088.4	7257.4	7396.9	7518.6	7620.7	7706.3	7777.7	7837.1	7879.2
-32.5°	6479.9	6706.9	6900.2	7070.7	7223.9	7348.8	7462.3	7549.9	7627.2	7689.4	7737.3
-35°	6250.9	6479.9	6688.0	6861.2	7018.1	7152.1	7270.3	7366.0	7451.2	7515.9	7567.4
-37.5°	5985.8	6226.8	6437.1	6626.1	6784.3	6926.6	7046.7	7150.5	7242.2	7310.0	7366.6
-40°	5695.8	5938.8	6154.9	6352.5	6518.4	6671.3	6792.7	6902.1	6995.5	7068.7	7129.6
-42.5°	5383.0	5621.2	5841.2	6036.7	6215.3	6371.1	6501.9	6619.6	6715.4	6792.2	6855.9
-45°	5035.4	5275.6	5498.4	5691.9	5872.5	6028.1	6168.1	6293.8	6391.8	6474.0	6542.1
-47.5°	4650.4	4899.0	5117.0	5316.5	5497.3	5651.9	5792.7	5917.2	6019.2	6106.7	6179.0
-50°	4228.7	4480.9	4699.6	4904.7	5081.9	5240.2	5384.1	5507.0	5609.0	5696.4	5768.5
-52.5°	3767.0	4010.8	4239.7	4448.9	4625.0	4786.8	4933.6	5054.3	5158.1	5246.9	5320.1
-55°	3278.0	3512.8	3733.8	3933.9	4117.1	4285.1	4434.1	4554.4	4659.8	4749.7	4823.9
-57.5°	2793.5	3003.1	3201.9	3391.6	3567.3	3728.2	3870.2	3994.4	4103.0	4195.7	4272.1
-60°	2336.3	2501.5	2679.6	2847.7	3003.1	3145.4	3278.0	3396.2	3499.4	3587.5	3659.9
-62.5°	1927.2	2063.9	2204.9	2336.3	2457.6	2577.4	2693.8	2797.5	2888.0	2965.1	3028.6
-65°	1597.6	1702.5	1800.8	1892.3	1977.7	2077.6	2167.7	2247.9	2317.8	2377.4	2426.4
-67.5°	1313.6	1391.8	1465.1	1533.2	1604.2	1673.0	1735.0	1790.2	1838.3	1879.3	1913.0
-70°	1070.7	1125.3	1176.5	1228.7	1284.1	1334.7	1380.3	1420.8	1456.2	1486.2	1510.9
-72.5°	868.4	904.7	941.1	982.4	1020.5	1055.2	1086.5	1114.3	1138.5	1159.1	1176.1
-75°	701.4	729.7	758.6	785.5	810.2	832.7	853.0	871.0	886.7	900.1	911.0
-77.5°	551.3	573.9	595.1	614.7	632.7	649.2	664.0	677.1	688.6	698.3	706.3
-80°	394.2	413.1	430.8	447.2	462.3	476.0	488.4	499.3	508.9	517.0	523.7
-82.5°	245.6	258.5	270.5	281.6	291.9	301.2	309.6	317.0	323.5	329.0	333.5
-85°	121.7	127.5	133.0	138.1	142.8	147.0	150.9	154.3	157.2	159.7	161.8
-87.5°	36.4	37.5	38.5	39.5	40.3	41.1	41.8	42.4	43.0	43.4	43.8
-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: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-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°	44.1	44.3	44.5	44.5	44.5	44.3	44.1	43.8	43.4	43.0	42.4
85°	163.4	164.6	165.3	165.5	165.3	164.6	163.4	161.8	159.7	157.2	154.3
82.5°	337.1	339.6	341.1	341.6	341.1	339.6	337.1	333.5	329.0	323.5	317.0
80°	528.9	532.6	534.9	535.6	534.9	532.6	528.9	523.7	517.0	508.9	499.3
77.5°	712.6	717.0	719.7	720.6	719.7	717.0	712.6	706.3	698.3	688.6	677.1
75°	919.6	925.7	929.4	930.6	929.4	925.7	919.6	911.0	900.1	886.7	871.0
72.5°	1189.3	1198.7	1204.4	1206.3	1204.4	1198.7	1189.3	1176.1	1159.1	1138.5	1114.3
70°	1530.2	1544.0	1552.3	1555.1	1552.3	1544.0	1530.2	1510.9	1486.2	1456.2	1420.8
67.5°	1939.3	1958.1	1969.4	1973.2	1969.4	1958.1	1939.3	1913.0	1879.3	1838.3	1790.2
65°	2464.7	2492.1	2508.6	2514.1	2508.6	2492.1	2464.7	2426.4	2377.4	2317.8	2247.9
62.5°	3078.2	3113.7	3135.1	3142.2	3135.1	3113.7	3078.2	3028.6	2965.1	2888.0	2797.5
60°	3716.6	3757.2	3781.6	3789.8	3781.6	3757.2	3716.6	3659.9	3587.5	3499.4	3396.2
57.5°	4331.8	4374.6	4400.4	4409.0	4400.4	4374.6	4331.8	4272.1	4195.7	4103.0	3994.4
55°	4881.9	4923.6	4948.6	4957.0	4948.6	4923.6	4881.9	4823.9	4749.7	4659.8	4554.4
52.5°	5377.5	5418.6	5443.4	5451.7	5443.4	5418.6	5377.5	5320.1	5246.9	5158.1	5054.3
50°	5825.0	5865.7	5890.1	5898.3	5890.1	5865.7	5825.0	5768.5	5696.4	5609.0	5507.0
47.5°	6235.7	6276.5	6301.1	6309.3	6301.1	6276.5	6235.7	6179.0	6106.7	6019.2	5917.2
45°	6595.6	6634.1	6657.3	6665.1	6657.3	6634.1	6595.6	6542.1	6474.0	6391.8	6293.8
42.5°	6906.0	6942.1	6963.9	6971.2	6963.9	6942.1	6906.0	6855.9	6792.2	6715.4	6619.6
40°	7177.5	7212.0	7232.9	7239.9	7232.9	7212.0	7177.5	7129.6	7068.7	6995.5	6902.1
37.5°	7411.2	7443.4	7462.9	7469.4	7462.9	7443.4	7411.2	7366.6	7310.0	7242.2	7150.5
35°	7608.2	7637.7	7655.5	7661.5	7655.5	7637.7	7608.2	7567.4	7515.9	7451.2	7366.0
32.5°	7775.3	7802.9	7819.6	7825.2	7819.6	7802.9	7775.3	7737.3	7689.4	7627.2	7549.9
30°	7912.7	7937.1	7951.9	7956.9	7951.9	7937.1	7912.7	7879.2	7837.1	7777.7	7706.3
27.5°	8021.8	8042.9	8055.8	8060.1	8055.8	8042.9	8021.8	7992.9	7956.7	7902.0	7839.7
25°	8093.5	8106.4	8114.3	8117.0	8114.3	8106.4	8093.5	8075.9	8049.0	8002.1	7946.9
22.5°	8124.7	8128.3	8130.5	8131.3	8130.5	8128.3	8124.7	8119.8	8103.8	8075.5	8030.3
20°	8127.0	8124.5	8122.9	8122.4	8122.9	8124.5	8127.0	8130.5	8125.9	8118.1	8086.6
17.5°	8112.4	8104.3	8099.2	8097.5	8099.2	8104.3	8112.4	8122.7	8127.4	8129.0	8119.6
15°	8087.6	8075.6	8068.0	8065.4	8068.0	8075.6	8087.6	8102.1	8116.8	8126.3	8129.0
12.5°	8059.9	8046.7	8038.1	8035.2	8038.1	8046.7	8059.9	8077.7	8098.6	8116.8	8127.4
10°	8035.0	8023.8	8016.4	8013.8	8016.4	8023.8	8035.0	8054.6	8077.7	8102.1	8122.7
7.5°	8018.9	8008.9	8003.4	8001.4	8003.4	8008.9	8018.9	8035.0	8059.9	8087.6	8112.4
5°	8008.9	7998.9	7990.5	7987.1	7990.5	7998.9	8008.9	8023.8	8046.7	8075.6	8104.3
2.5°	8003.4	7990.5	7977.7	7971.1	7977.7	7990.5	8003.4	8016.4	8038.1	8068.0	8099.2
0°	8001.4	7987.1	7971.1	7972.9	7971.1	7987.1	8001.4	8013.8	8035.2	8065.4	8097.5
-2.5°	8003.4	7990.5	7977.7	7971.1	7977.7	7990.5	8003.4	8016.4	8038.1	8068.0	8099.2
-5°	8008.9	7998.9	7990.5	7987.1	7990.5	7998.9	8008.9	8023.8	8046.7	8075.6	8104.3
-7.5°	8018.9	8008.9	8003.4	8001.4	8003.4	8008.9	8018.9	8035.0	8059.9	8087.6	8112.4
-10°	8035.0	8023.8	8016.4	8013.8	8016.4	8023.8	8035.0	8054.6	8077.7	8102.1	8122.7
-12.5°	8059.9	8046.7	8038.1	8035.2	8038.1	8046.7	8059.9	8077.7	8098.6	8116.8	8127.4
-15°	8087.6	8075.6	8068.0	8065.4	8068.0	8075.6	8087.6	8102.1	8116.8	8126.3	8129.0
-17.5°	8112.4	8104.3	8099.2	8097.5	8099.2	8104.3	8112.4	8122.7	8127.4	8129.0	8119.6
-20°	8127.0	8124.5	8122.9	8122.4	8122.9	8124.5	8127.0	8130.5	8125.9	8118.1	8086.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4C-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°	8124.7	8128.3	8130.5	8131.3	8130.5	8128.3	8124.7	8119.8	8103.8	8075.5	8030.3
-25°	8093.5	8106.4	8114.3	8117.0	8114.3	8106.4	8093.5	8075.9	8049.0	8002.1	7946.9
-27.5°	8021.8	8042.9	8055.8	8060.1	8055.8	8042.9	8021.8	7992.9	7956.7	7902.0	7839.7
-30°	7912.7	7937.1	7951.9	7956.9	7951.9	7937.1	7912.7	7879.2	7837.1	7777.7	7706.3
-32.5°	7775.3	7802.9	7819.6	7825.2	7819.6	7802.9	7775.3	7737.3	7689.4	7627.2	7549.9
-35°	7608.2	7637.7	7655.5	7661.5	7655.5	7637.7	7608.2	7567.4	7515.9	7451.2	7366.0
-37.5°	7411.2	7443.4	7462.9	7469.4	7462.9	7443.4	7411.2	7366.6	7310.0	7242.2	7150.5
-40°	7177.5	7212.0	7232.9	7239.9	7232.9	7212.0	7177.5	7129.6	7068.7	6995.5	6902.1
-42.5°	6906.0	6942.1	6963.9	6971.2	6963.9	6942.1	6906.0	6855.9	6792.2	6715.4	6619.6
-45°	6595.6	6634.1	6657.3	6665.1	6657.3	6634.1	6595.6	6542.1	6474.0	6391.8	6293.8
-47.5°	6235.7	6276.5	6301.1	6309.3	6301.1	6276.5	6235.7	6179.0	6106.7	6019.2	5917.2
-50°	5825.0	5865.7	5890.1	5898.3	5890.1	5865.7	5825.0	5768.5	5696.4	5609.0	5507.0
-52.5°	5377.5	5418.6	5443.4	5451.7	5443.4	5418.6	5377.5	5320.1	5246.9	5158.1	5054.3
-55°	4881.9	4923.6	4948.6	4957.0	4948.6	4923.6	4881.9	4823.9	4749.7	4659.8	4554.4
-57.5°	4331.8	4374.6	4400.4	4409.0	4400.4	4374.6	4331.8	4272.1	4195.7	4103.0	3994.4
-60°	3716.6	3757.2	3781.6	3789.8	3781.6	3757.2	3716.6	3659.9	3587.5	3499.4	3396.2
-62.5°	3078.2	3113.7	3135.1	3142.2	3135.1	3113.7	3078.2	3028.6	2965.1	2888.0	2797.5
-65°	2464.7	2492.1	2508.6	2514.1	2508.6	2492.1	2464.7	2426.4	2377.4	2317.8	2247.9
-67.5°	1939.3	1958.1	1969.4	1973.2	1969.4	1958.1	1939.3	1913.0	1879.3	1838.3	1790.2
-70°	1530.2	1544.0	1552.3	1555.1	1552.3	1544.0	1530.2	1510.9	1486.2	1456.2	1420.8
-72.5°	1189.3	1198.7	1204.4	1206.3	1204.4	1198.7	1189.3	1176.1	1159.1	1138.5	1114.3
-75°	919.6	925.7	929.4	930.6	929.4	925.7	919.6	911.0	900.1	886.7	871.0
-77.5°	712.6	717.0	719.7	720.6	719.7	717.0	712.6	706.3	698.3	688.6	677.1
-80°	528.9	532.6	534.9	535.6	534.9	532.6	528.9	523.7	517.0	508.9	499.3
-82.5°	337.1	339.6	341.1	341.6	341.1	339.6	337.1	333.5	329.0	323.5	317.0
-85°	163.4	164.6	165.3	165.5	165.3	164.6	163.4	161.8	159.7	157.2	154.3
-87.5°	44.1	44.3	44.5	44.5	44.5	44.3	44.1	43.8	43.4	43.0	42.4
-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: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	41.8	41.1	40.3	39.5	38.5	37.5	36.4	35.3	34.1	32.8	31.5
85°	150.9	147.0	142.8	138.1	133.0	127.5	121.7	115.4	108.8	101.8	94.5
82.5°	309.6	301.2	291.9	281.6	270.5	258.5	245.6	232.0	217.5	202.3	186.3
80°	488.4	476.0	462.3	447.2	430.8	413.1	394.2	374.1	352.8	331.4	310.1
77.5°	664.0	649.2	632.7	614.7	595.1	573.9	551.3	526.9	500.2	472.1	442.8
75°	853.0	832.7	810.2	785.5	758.6	729.7	701.4	672.4	641.8	609.7	576.0
72.5°	1086.5	1055.2	1020.5	982.4	941.1	904.7	868.4	830.0	789.3	746.6	704.1
70°	1380.3	1334.7	1284.1	1228.7	1176.5	1125.3	1070.7	1012.7	951.4	897.5	846.2
67.5°	1735.0	1673.0	1604.2	1533.2	1465.1	1391.8	1313.6	1230.6	1156.3	1083.7	1007.8
65°	2167.7	2077.6	1977.7	1892.3	1800.8	1702.5	1597.6	1497.9	1400.2	1297.7	1193.9
62.5°	2693.8	2577.4	2457.6	2336.3	2204.9	2063.9	1927.2	1804.2	1674.7	1541.6	1423.5
60°	3278.0	3145.4	3003.1	2847.7	2679.6	2501.5	2336.3	2161.6	1977.7	1828.0	1673.0
57.5°	3870.2	3728.2	3567.3	3391.6	3201.9	3003.1	2793.5	2572.1	2363.8	2154.3	1944.6
55°	4434.1	4285.1	4117.1	3933.9	3733.8	3512.8	3278.0	3033.7	2781.6	2518.3	2282.0
52.5°	4933.6	4786.8	4625.0	4448.9	4239.7	4010.8	3767.0	3499.4	3219.1	2933.3	2638.9
50°	5384.1	5240.2	5081.9	4904.7	4699.6	4480.9	4228.7	3953.5	3659.9	3346.5	3025.1
47.5°	5792.7	5651.9	5497.3	5316.5	5117.0	4899.0	4650.4	4386.8	4078.8	3757.2	3410.6
45°	6168.1	6028.1	5872.5	5691.9	5498.4	5275.6	5035.4	4765.0	4474.3	4141.9	3789.8
42.5°	6501.9	6371.1	6215.3	6036.7	5841.2	5621.2	5383.0	5114.8	4822.7	4502.7	4141.9
40°	6792.7	6671.3	6518.4	6352.5	6154.9	5938.8	5695.8	5437.2	5141.4	4822.7	4474.3
37.5°	7046.7	6926.6	6784.3	6626.1	6437.1	6226.8	5985.8	5720.8	5437.2	5114.8	4765.0
35°	7270.3	7152.1	7018.1	6861.2	6688.0	6479.9	6250.9	5985.8	5695.8	5383.0	5035.4
32.5°	7462.3	7348.8	7223.9	7070.7	6900.2	6706.9	6479.9	6226.8	5938.8	5621.2	5275.6
30°	7620.7	7518.6	7396.9	7257.4	7088.4	6900.2	6688.0	6437.1	6154.9	5841.2	5498.4
27.5°	7757.2	7663.7	7546.6	7413.1	7257.4	7070.7	6861.2	6626.1	6352.5	6036.7	5691.9
25°	7872.2	7783.2	7676.2	7546.6	7396.9	7223.9	7018.1	6784.3	6518.4	6215.3	5872.5
22.5°	7967.0	7883.2	7783.2	7663.7	7518.6	7348.8	7152.1	6926.6	6671.3	6371.1	6028.1
20°	8039.8	7967.0	7872.2	7757.2	7620.7	7462.3	7270.3	7046.7	6792.7	6501.9	6168.1
17.5°	8086.6	8030.3	7946.9	7839.7	7706.3	7549.9	7366.0	7150.5	6902.1	6619.6	6293.8
15°	8118.1	8075.5	8002.1	7902.0	7777.7	7627.2	7451.2	7242.2	6995.5	6715.4	6391.8
12.5°	8125.9	8103.8	8049.0	7956.7	7837.1	7689.4	7515.9	7310.0	7068.7	6792.2	6474.0
10°	8130.5	8119.8	8075.9	7992.9	7879.2	7737.3	7567.4	7366.6	7129.6	6855.9	6542.1
7.5°	8127.0	8124.7	8093.5	8021.8	7912.7	7775.3	7608.2	7411.2	7177.5	6906.0	6595.6
5°	8124.5	8128.3	8106.4	8042.9	7937.1	7802.9	7637.7	7443.4	7212.0	6942.1	6634.1
2.5°	8122.9	8130.5	8114.3	8055.8	7951.9	7819.6	7655.5	7462.9	7232.9	6963.9	6657.3
0°	8122.4	8131.3	8117.0	8060.1	7956.9	7825.2	7661.5	7469.4	7239.9	6971.2	6665.1
-2.5°	8122.9	8130.5	8114.3	8055.8	7951.9	7819.6	7655.5	7462.9	7232.9	6963.9	6657.3
-5°	8124.5	8128.3	8106.4	8042.9	7937.1	7802.9	7637.7	7443.4	7212.0	6942.1	6634.1
-7.5°	8127.0	8124.7	8093.5	8021.8	7912.7	7775.3	7608.2	7411.2	7177.5	6906.0	6595.6
-10°	8130.5	8119.8	8075.9	7992.9	7879.2	7737.3	7567.4	7366.6	7129.6	6855.9	6542.1
-12.5°	8125.9	8103.8	8049.0	7956.7	7837.1	7689.4	7515.9	7310.0	7068.7	6792.2	6474.0
-15°	8118.1	8075.5	8002.1	7902.0	7777.7	7627.2	7451.2	7242.2	6995.5	6715.4	6391.8
-17.5°	8086.6	8030.3	7946.9	7839.7	7706.3	7549.9	7366.0	7150.5	6902.1	6619.6	6293.8
-20°	8039.8	7967.0	7872.2	7757.2	7620.7	7462.3	7270.3	7046.7	6792.7	6501.9	6168.1



REPORT NUMBER: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7967.0	7883.2	7783.2	7663.7	7518.6	7348.8	7152.1	6926.6	6671.3	6371.1	6028.1
-25°	7872.2	7783.2	7676.2	7546.6	7396.9	7223.9	7018.1	6784.3	6518.4	6215.3	5872.5
-27.5°	7757.2	7663.7	7546.6	7413.1	7257.4	7070.7	6861.2	6626.1	6352.5	6036.7	5691.9
-30°	7620.7	7518.6	7396.9	7257.4	7088.4	6900.2	6688.0	6437.1	6154.9	5841.2	5498.4
-32.5°	7462.3	7348.8	7223.9	7070.7	6900.2	6706.9	6479.9	6226.8	5938.8	5621.2	5275.6
-35°	7270.3	7152.1	7018.1	6861.2	6688.0	6479.9	6250.9	5985.8	5695.8	5383.0	5035.4
-37.5°	7046.7	6926.6	6784.3	6626.1	6437.1	6226.8	5985.8	5720.8	5437.2	5114.8	4765.0
-40°	6792.7	6671.3	6518.4	6352.5	6154.9	5938.8	5695.8	5437.2	5141.4	4822.7	4474.3
-42.5°	6501.9	6371.1	6215.3	6036.7	5841.2	5621.2	5383.0	5114.8	4822.7	4502.7	4141.9
-45°	6168.1	6028.1	5872.5	5691.9	5498.4	5275.6	5035.4	4765.0	4474.3	4141.9	3789.8
-47.5°	5792.7	5651.9	5497.3	5316.5	5117.0	4899.0	4650.4	4386.8	4078.8	3757.2	3410.6
-50°	5384.1	5240.2	5081.9	4904.7	4699.6	4480.9	4228.7	3953.5	3659.9	3346.5	3025.1
-52.5°	4933.6	4786.8	4625.0	4448.9	4239.7	4010.8	3767.0	3499.4	3219.1	2933.3	2638.9
-55°	4434.1	4285.1	4117.1	3933.9	3733.8	3512.8	3278.0	3033.7	2781.6	2518.3	2282.0
-57.5°	3870.2	3728.2	3567.3	3391.6	3201.9	3003.1	2793.5	2572.1	2363.8	2154.3	1944.6
-60°	3278.0	3145.4	3003.1	2847.7	2679.6	2501.5	2336.3	2161.6	1977.7	1828.0	1673.0
-62.5°	2693.8	2577.4	2457.6	2336.3	2204.9	2063.9	1927.2	1804.2	1674.7	1541.6	1423.5
-65°	2167.7	2077.6	1977.7	1892.3	1800.8	1702.5	1597.6	1497.9	1400.2	1297.7	1193.9
-67.5°	1735.0	1673.0	1604.2	1533.2	1465.1	1391.8	1313.6	1230.6	1156.3	1083.7	1007.8
-70°	1380.3	1334.7	1284.1	1228.7	1176.5	1125.3	1070.7	1012.7	951.4	897.5	846.2
-72.5°	1086.5	1055.2	1020.5	982.4	941.1	904.7	868.4	830.0	789.3	746.6	704.1
-75°	853.0	832.7	810.2	785.5	758.6	729.7	701.4	672.4	641.8	609.7	576.0
-77.5°	664.0	649.2	632.7	614.7	595.1	573.9	551.3	526.9	500.2	472.1	442.8
-80°	488.4	476.0	462.3	447.2	430.8	413.1	394.2	374.1	352.8	331.4	310.1
-82.5°	309.6	301.2	291.9	281.6	270.5	258.5	245.6	232.0	217.5	202.3	186.3
-85°	150.9	147.0	142.8	138.1	133.0	127.5	121.7	115.4	108.8	101.8	94.5
-87.5°	41.8	41.1	40.3	39.5	38.5	37.5	36.4	35.3	34.1	32.8	31.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645474 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-750-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.1	28.6	27.1	25.5	23.9	22.2	20.5	18.8	17.0	15.2	13.4
85°	86.9	78.9	70.7	62.2	53.4	44.5	41.1	37.6	34.0	30.4	26.7
82.5°	169.7	156.4	144.1	131.3	118.1	104.6	90.7	76.6	62.1	47.3	40.0
80°	287.9	264.7	240.7	215.9	190.4	164.6	146.1	127.2	107.9	88.3	68.4
77.5°	412.1	380.2	347.1	315.6	283.7	250.9	217.3	183.0	153.5	129.0	104.1
75°	540.8	502.7	463.1	422.1	379.9	337.1	296.8	255.6	213.7	171.0	139.5
72.5°	663.0	620.3	576.1	530.3	481.1	430.6	379.0	327.6	278.8	229.1	178.7
70°	792.8	737.4	684.9	632.8	579.2	523.7	464.7	404.5	343.2	286.5	229.1
67.5°	929.2	866.8	802.2	735.7	673.7	611.9	548.8	481.8	413.1	343.2	278.8
65°	1105.9	1014.7	922.9	849.0	773.1	698.3	628.3	557.0	481.8	404.5	327.6
62.5°	1300.7	1180.5	1076.8	970.1	877.3	791.9	706.6	628.3	548.8	464.7	379.0
60°	1519.2	1380.3	1237.1	1114.3	995.0	886.7	791.9	698.3	611.9	523.7	430.6
57.5°	1769.9	1589.3	1428.4	1269.0	1126.9	995.0	877.3	773.1	673.7	579.2	481.1
55°	2037.9	1828.5	1628.1	1444.5	1269.0	1114.3	970.1	849.0	735.7	632.8	530.3
52.5°	2359.4	2089.1	1848.1	1628.1	1428.4	1237.1	1076.8	922.9	802.2	684.9	576.1
50°	2699.6	2385.3	2089.1	1828.5	1589.3	1380.3	1180.5	1014.7	866.8	737.4	620.3
47.5°	3055.9	2699.6	2359.4	2037.9	1769.9	1519.2	1300.7	1105.9	929.2	792.8	663.0
45°	3410.6	3025.1	2638.9	2282.0	1944.6	1673.0	1423.5	1193.9	1007.8	846.2	704.1
42.5°	3757.2	3346.5	2933.3	2518.3	2154.3	1828.0	1541.6	1297.7	1083.7	897.5	746.6
40°	4078.8	3659.9	3219.1	2781.6	2363.8	1977.7	1674.7	1400.2	1156.3	951.4	789.3
37.5°	4386.8	3953.5	3499.4	3033.7	2572.1	2161.6	1804.2	1497.9	1230.6	1012.7	830.0
35°	4650.4	4228.7	3767.0	3278.0	2793.5	2336.3	1927.2	1597.6	1313.6	1070.7	868.4
32.5°	4899.0	4480.9	4010.8	3512.8	3003.1	2501.5	2063.9	1702.5	1391.8	1125.3	904.7
30°	5117.0	4699.6	4239.7	3733.8	3201.9	2679.6	2204.9	1800.8	1465.1	1176.5	941.1
27.5°	5316.5	4904.7	4448.9	3933.9	3391.6	2847.7	2336.3	1892.3	1533.2	1228.7	982.4
25°	5497.3	5081.9	4625.0	4117.1	3567.3	3003.1	2457.6	1977.7	1604.2	1284.1	1020.5
22.5°	5651.9	5240.2	4786.8	4285.1	3728.2	3145.4	2577.4	2077.6	1673.0	1334.7	1055.2
20°	5792.7	5384.1	4933.6	4434.1	3870.2	3278.0	2693.8	2167.7	1735.0	1380.3	1086.5
17.5°	5917.2	5507.0	5054.3	4554.4	3994.4	3396.2	2797.5	2247.9	1790.2	1420.8	1114.3
15°	6019.2	5609.0	5158.1	4659.8	4103.0	3499.4	2888.0	2317.8	1838.3	1456.2	1138.5
12.5°	6106.7	5696.4	5246.9	4749.7	4195.7	3587.5	2965.1	2377.4	1879.3	1486.2	1159.1
10°	6179.0	5768.5	5320.1	4823.9	4272.1	3659.9	3028.6	2426.4	1913.0	1510.9	1176.1
7.5°	6235.7	5825.0	5377.5	4881.9	4331.8	3716.6	3078.2	2464.7	1939.3	1530.2	1189.3
5°	6276.5	5865.7	5418.6	4923.6	4374.6	3757.2	3113.7	2492.1	1958.1	1544.0	1198.7
2.5°	6301.1	5890.1	5443.4	4948.6	4400.4	3781.6	3135.1	2508.6	1969.4	1552.3	1204.4
0°	6309.3	5898.3	5451.7	4957.0	4409.0	3789.8	3142.2	2514.1	1973.2	1555.1	1206.3
-2.5°	6301.1	5890.1	5443.4	4948.6	4400.4	3781.6	3135.1	2508.6	1969.4	1552.3	1204.4
-5°	6276.5	5865.7	5418.6	4923.6	4374.6	3757.2	3113.7	2492.1	1958.1	1544.0	1198.7
-7.5°	6235.7	5825.0	5377.5	4881.9	4331.8	3716.6	3078.2	2464.7	1939.3	1530.2	1189.3
-10°	6179.0	5768.5	5320.1	4823.9	4272.1	3659.9	3028.6	2426.4	1913.0	1510.9	1176.1
-12.5°	6106.7	5696.4	5246.9	4749.7	4195.7	3587.5	2965.1	2377.4	1879.3	1486.2	1159.1
-15°	6019.2	5609.0	5158.1	4659.8	4103.0	3499.4	2888.0	2317.8	1838.3	1456.2	1138.5
-17.5°	5917.2	5507.0	5054.3	4554.4	3994.4	3396.2	2797.5	2247.9	1790.2	1420.8	1114.3
-20°	5792.7	5384.1	4933.6	4434.1	3870.2	3278.0	2693.8	2167.7	1735.0	1380.3	1086.5



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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°	5651.9	5240.2	4786.8	4285.1	3728.2	3145.4	2577.4	2077.6	1673.0	1334.7	1055.2
-25°	5497.3	5081.9	4625.0	4117.1	3567.3	3003.1	2457.6	1977.7	1604.2	1284.1	1020.5
-27.5°	5316.5	4904.7	4448.9	3933.9	3391.6	2847.7	2336.3	1892.3	1533.2	1228.7	982.4
-30°	5117.0	4699.6	4239.7	3733.8	3201.9	2679.6	2204.9	1800.8	1465.1	1176.5	941.1
-32.5°	4899.0	4480.9	4010.8	3512.8	3003.1	2501.5	2063.9	1702.5	1391.8	1125.3	904.7
-35°	4650.4	4228.7	3767.0	3278.0	2793.5	2336.3	1927.2	1597.6	1313.6	1070.7	868.4
-37.5°	4386.8	3953.5	3499.4	3033.7	2572.1	2161.6	1804.2	1497.9	1230.6	1012.7	830.0
-40°	4078.8	3659.9	3219.1	2781.6	2363.8	1977.7	1674.7	1400.2	1156.3	951.4	789.3
-42.5°	3757.2	3346.5	2933.3	2518.3	2154.3	1828.0	1541.6	1297.7	1083.7	897.5	746.6
-45°	3410.6	3025.1	2638.9	2282.0	1944.6	1673.0	1423.5	1193.9	1007.8	846.2	704.1
-47.5°	3055.9	2699.6	2359.4	2037.9	1769.9	1519.2	1300.7	1105.9	929.2	792.8	663.0
-50°	2699.6	2385.3	2089.1	1828.5	1589.3	1380.3	1180.5	1014.7	866.8	737.4	620.3
-52.5°	2359.4	2089.1	1848.1	1628.1	1428.4	1237.1	1076.8	922.9	802.2	684.9	576.1
-55°	2037.9	1828.5	1628.1	1444.5	1269.0	1114.3	970.1	849.0	735.7	632.8	530.3
-57.5°	1769.9	1589.3	1428.4	1269.0	1126.9	995.0	877.3	773.1	673.7	579.2	481.1
-60°	1519.2	1380.3	1237.1	1114.3	995.0	886.7	791.9	698.3	611.9	523.7	430.6
-62.5°	1300.7	1180.5	1076.8	970.1	877.3	791.9	706.6	628.3	548.8	464.7	379.0
-65°	1105.9	1014.7	922.9	849.0	773.1	698.3	628.3	557.0	481.8	404.5	327.6
-67.5°	929.2	866.8	802.2	735.7	673.7	611.9	548.8	481.8	413.1	343.2	278.8
-70°	792.8	737.4	684.9	632.8	579.2	523.7	464.7	404.5	343.2	286.5	229.1
-72.5°	663.0	620.3	576.1	530.3	481.1	430.6	379.0	327.6	278.8	229.1	178.7
-75°	540.8	502.7	463.1	422.1	379.9	337.1	296.8	255.6	213.7	171.0	139.5
-77.5°	412.1	380.2	347.1	315.6	283.7	250.9	217.3	183.0	153.5	129.0	104.1
-80°	287.9	264.7	240.7	215.9	190.4	164.6	146.1	127.2	107.9	88.3	68.4
-82.5°	169.7	156.4	144.1	131.3	118.1	104.6	90.7	76.6	62.1	47.3	40.0
-85°	86.9	78.9	70.7	62.2	53.4	44.5	41.1	37.6	34.0	30.4	26.7
-87.5°	30.1	28.6	27.1	25.5	23.9	22.2	20.5	18.8	17.0	15.2	13.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	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°	23.0	19.2	15.4	11.6	7.7	3.9	0.0
82.5°	34.5	28.8	23.1	17.4	11.6	5.8	0.0
80°	48.2	38.3	30.8	23.1	15.4	7.7	0.0
77.5°	78.9	53.5	38.3	28.8	19.2	9.6	0.0
75°	109.4	78.9	48.2	34.5	23.0	11.5	0.0
72.5°	139.5	104.1	68.4	40.0	26.7	13.4	0.0
70°	171.0	129.0	88.3	47.3	30.4	15.2	0.0
67.5°	213.7	153.5	107.9	62.1	34.0	17.0	0.0
65°	255.6	183.0	127.2	76.6	37.6	18.8	0.0
62.5°	296.8	217.3	146.1	90.7	41.1	20.5	0.0
60°	337.1	250.9	164.6	104.6	44.5	22.2	0.0
57.5°	379.9	283.7	190.4	118.1	53.4	23.9	0.0
55°	422.1	315.6	215.9	131.3	62.2	25.5	0.0
52.5°	463.1	347.1	240.7	144.1	70.7	27.1	0.0
50°	502.7	380.2	264.7	156.4	78.9	28.6	0.0
47.5°	540.8	412.1	287.9	169.7	86.9	30.1	0.0
45°	576.0	442.8	310.1	186.3	94.5	31.5	0.0
42.5°	609.7	472.1	331.4	202.3	101.8	32.8	0.0
40°	641.8	500.2	352.8	217.5	108.8	34.1	0.0
37.5°	672.4	526.9	374.1	232.0	115.4	35.3	0.0
35°	701.4	551.3	394.2	245.6	121.7	36.4	0.0
32.5°	729.7	573.9	413.1	258.5	127.5	37.5	0.0
30°	758.6	595.1	430.8	270.5	133.0	38.5	0.0
27.5°	785.5	614.7	447.2	281.6	138.1	39.5	0.0
25°	810.2	632.7	462.3	291.9	142.8	40.3	0.0
22.5°	832.7	649.2	476.0	301.2	147.0	41.1	0.0
20°	853.0	664.0	488.4	309.6	150.9	41.8	0.0
17.5°	871.0	677.1	499.3	317.0	154.3	42.4	0.0
15°	886.7	688.6	508.9	323.5	157.2	43.0	0.0
12.5°	900.1	698.3	517.0	329.0	159.7	43.4	0.0
10°	911.0	706.3	523.7	333.5	161.8	43.8	0.0
7.5°	919.6	712.6	528.9	337.1	163.4	44.1	0.0
5°	925.7	717.0	532.6	339.6	164.6	44.3	0.0
2.5°	929.4	719.7	534.9	341.1	165.3	44.5	0.0
0°	930.6	720.6	535.6	341.6	165.5	44.5	0.0
-2.5°	929.4	719.7	534.9	341.1	165.3	44.5	0.0
-5°	925.7	717.0	532.6	339.6	164.6	44.3	0.0
-7.5°	919.6	712.6	528.9	337.1	163.4	44.1	0.0
-10°	911.0	706.3	523.7	333.5	161.8	43.8	0.0
-12.5°	900.1	698.3	517.0	329.0	159.7	43.4	0.0
-15°	886.7	688.6	508.9	323.5	157.2	43.0	0.0
-17.5°	871.0	677.1	499.3	317.0	154.3	42.4	0.0
-20°	853.0	664.0	488.4	309.6	150.9	41.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	832.7	649.2	476.0	301.2	147.0	41.1	0.0
-25°	810.2	632.7	462.3	291.9	142.8	40.3	0.0
-27.5°	785.5	614.7	447.2	281.6	138.1	39.5	0.0
-30°	758.6	595.1	430.8	270.5	133.0	38.5	0.0
-32.5°	729.7	573.9	413.1	258.5	127.5	37.5	0.0
-35°	701.4	551.3	394.2	245.6	121.7	36.4	0.0
-37.5°	672.4	526.9	374.1	232.0	115.4	35.3	0.0
-40°	641.8	500.2	352.8	217.5	108.8	34.1	0.0
-42.5°	609.7	472.1	331.4	202.3	101.8	32.8	0.0
-45°	576.0	442.8	310.1	186.3	94.5	31.5	0.0
-47.5°	540.8	412.1	287.9	169.7	86.9	30.1	0.0
-50°	502.7	380.2	264.7	156.4	78.9	28.6	0.0
-52.5°	463.1	347.1	240.7	144.1	70.7	27.1	0.0
-55°	422.1	315.6	215.9	131.3	62.2	25.5	0.0
-57.5°	379.9	283.7	190.4	118.1	53.4	23.9	0.0
-60°	337.1	250.9	164.6	104.6	44.5	22.2	0.0
-62.5°	296.8	217.3	146.1	90.7	41.1	20.5	0.0
-65°	255.6	183.0	127.2	76.6	37.6	18.8	0.0
-67.5°	213.7	153.5	107.9	62.1	34.0	17.0	0.0
-70°	171.0	129.0	88.3	47.3	30.4	15.2	0.0
-72.5°	139.5	104.1	68.4	40.0	26.7	13.4	0.0
-75°	109.4	78.9	48.2	34.5	23.0	11.5	0.0
-77.5°	78.9	53.5	38.3	28.8	19.2	9.6	0.0
-80°	48.2	38.3	30.8	23.1	15.4	7.7	0.0
-82.5°	34.5	28.8	23.1	17.4	11.6	5.8	0.0
-85°	23.0	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)