

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: P645395 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA2E-730-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645395 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA2E-730-U-LAM-VSR-XX
Description: GALLEON FLOOD, TWO LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

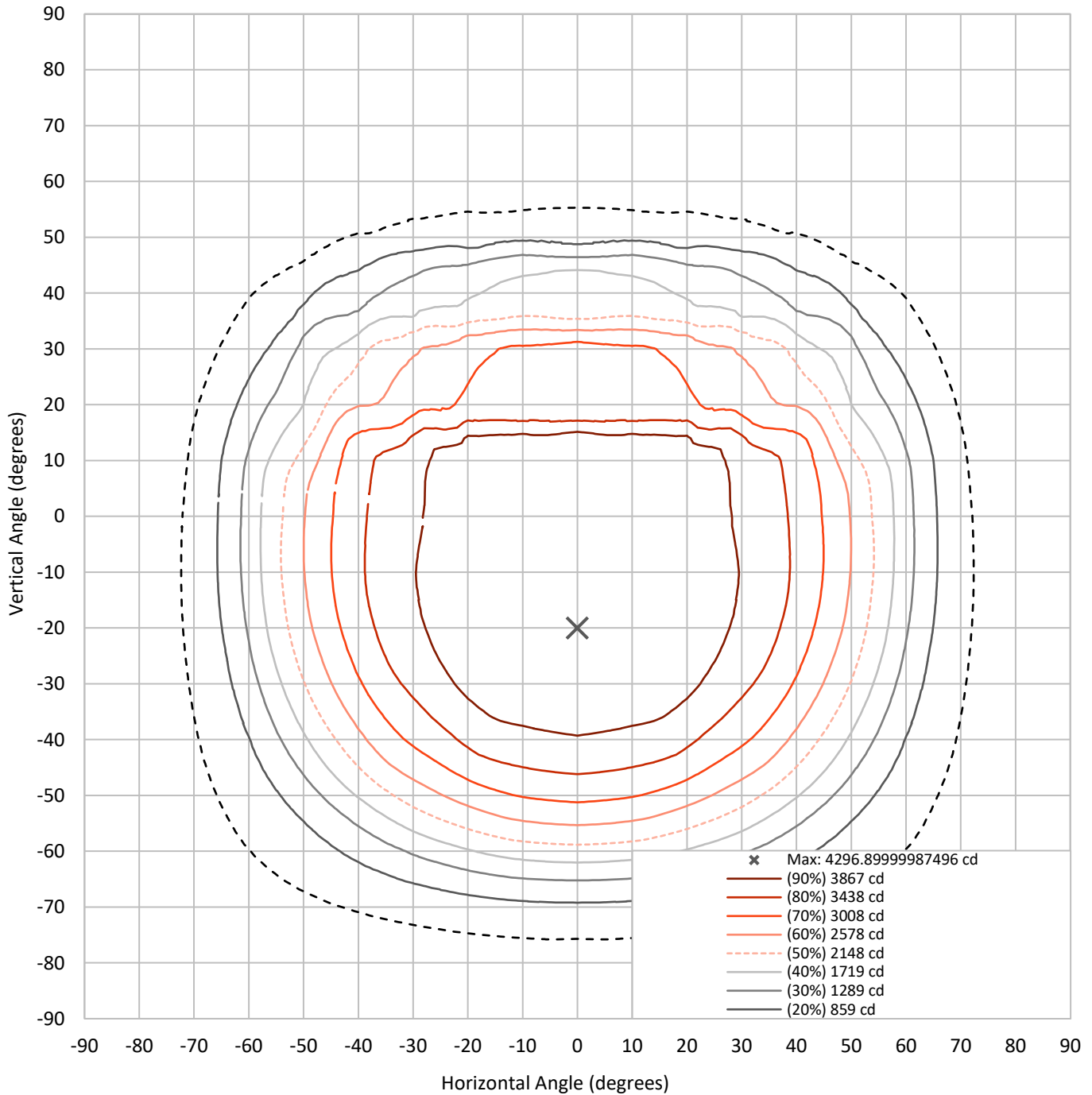
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	10075.3 lumens	Max Intensity:	4296.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	80.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	7876.3 lumens	Field Lumens:	9875.3 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	125.7		
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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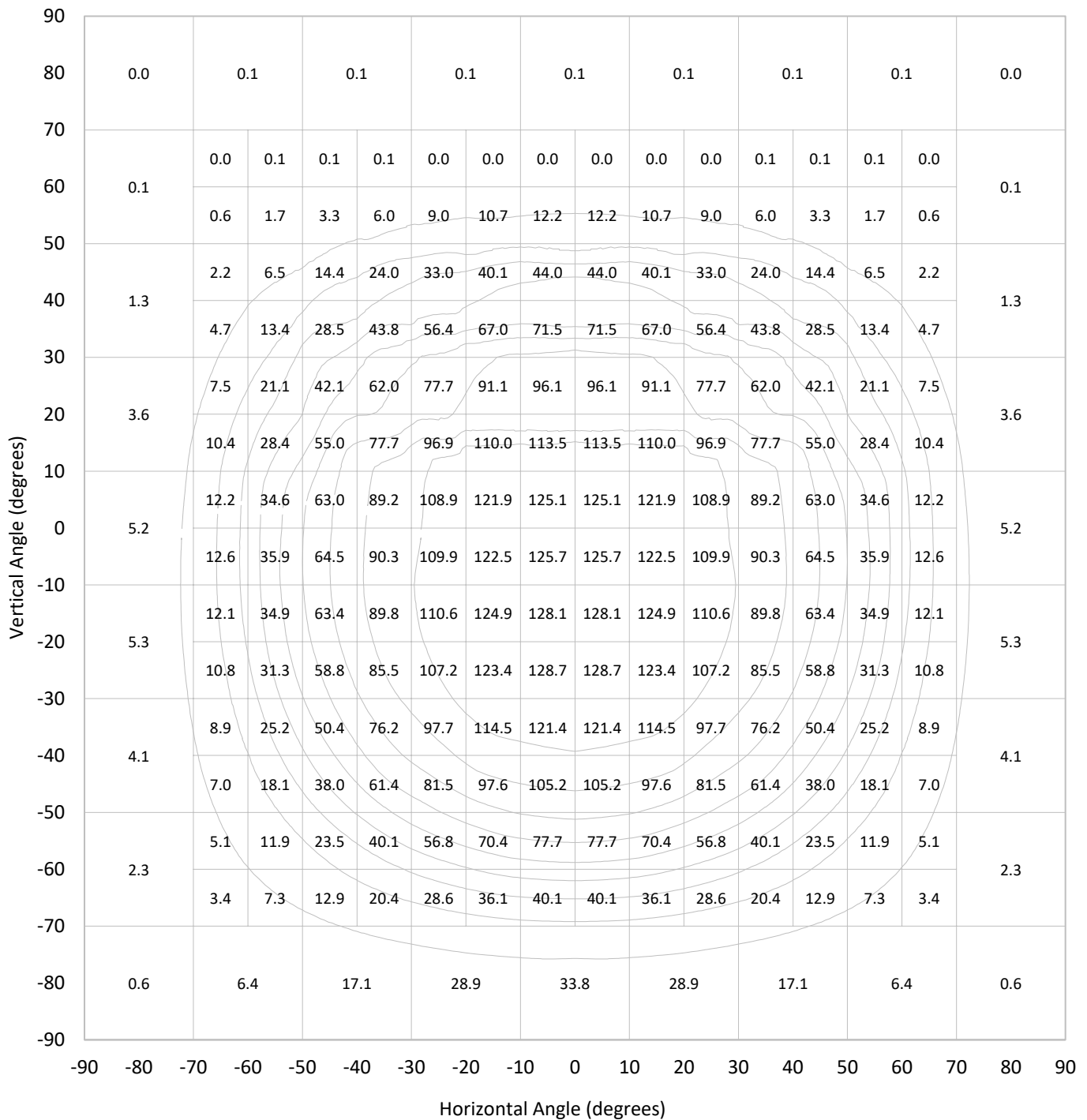
Iso-Candela Plot





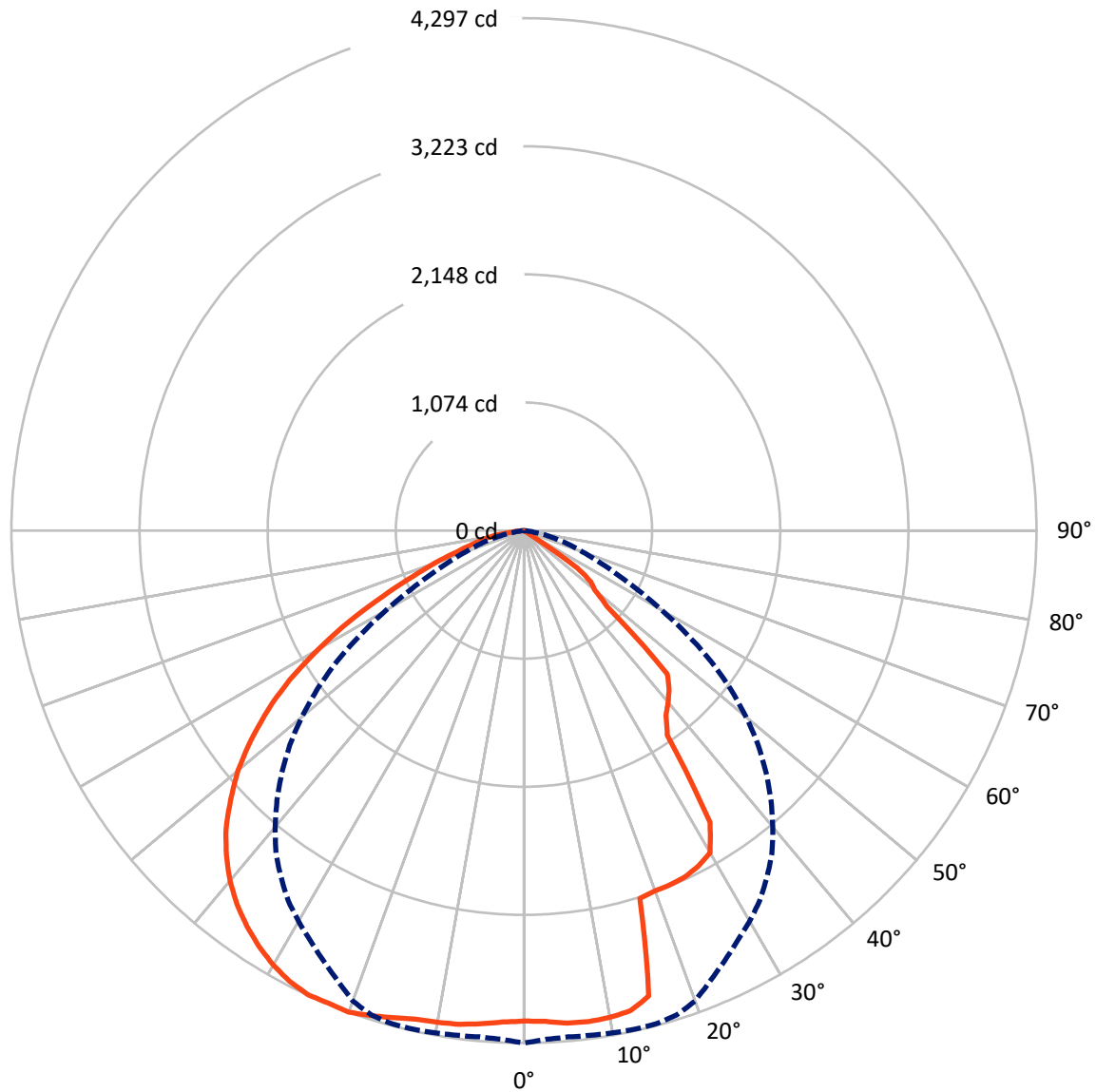
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Lumen Table



REPORT NUMBER: P645395 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

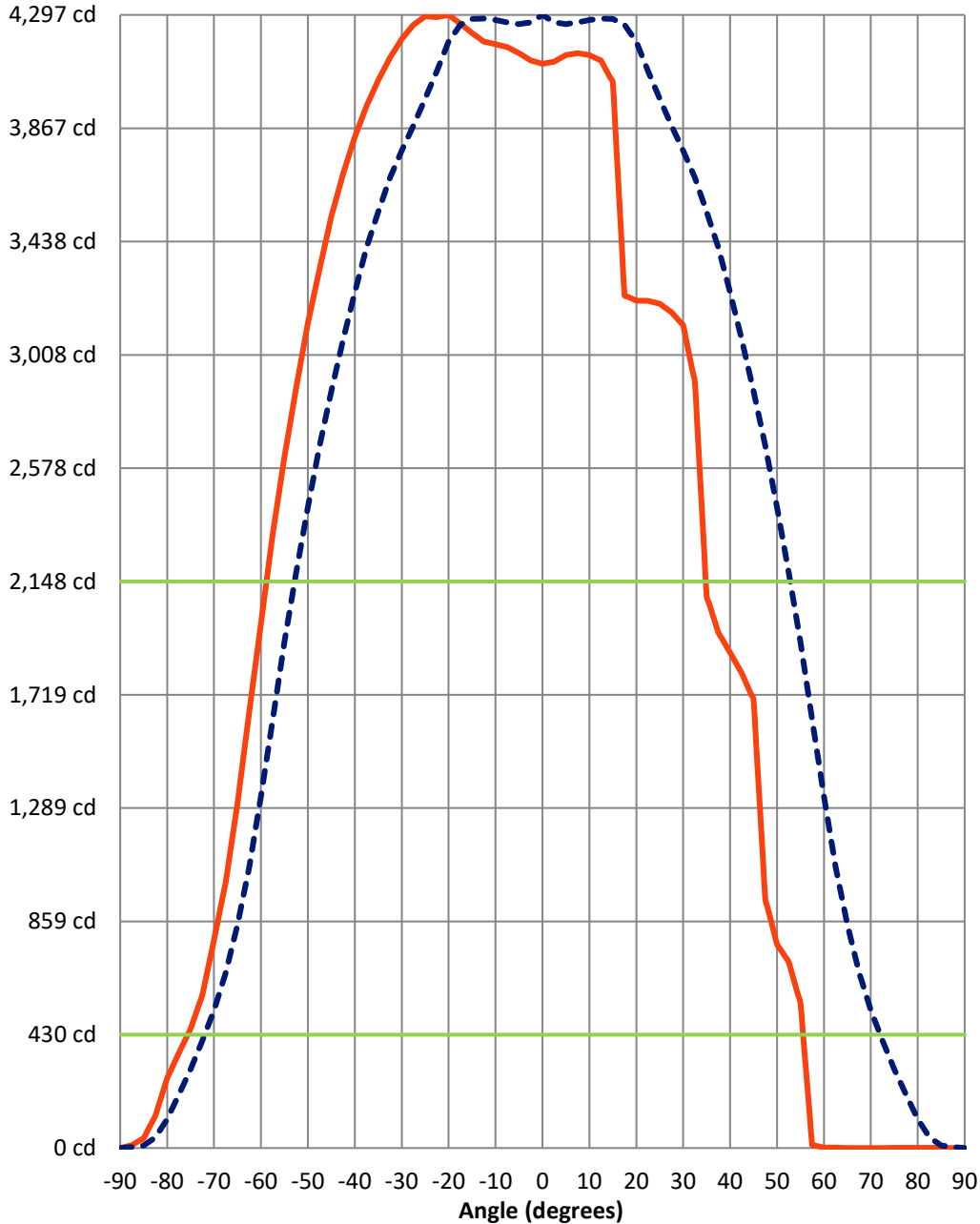


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 7876.3
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 9875.3
 Efficiency: 98.0%

Spill:
 Lumens: 200.1
 Efficiency: 2.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-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	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4
85°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.8
82.5°	0.0	0.3	0.5	0.7	0.9	1.2	1.4	1.4	1.4	1.1	0.9
80°	0.0	0.4	0.6	0.9	1.2	1.6	1.8	1.6	1.4	1.2	0.9
77.5°	0.0	0.5	0.8	1.2	1.6	1.8	1.8	1.6	1.4	1.2	0.9
75°	0.0	0.6	0.9	1.4	1.8	1.9	1.8	1.6	1.4	1.2	1.0
72.5°	0.0	0.7	1.1	1.6	1.9	2.0	1.9	1.6	1.4	1.2	1.0
70°	0.0	0.8	1.3	1.8	2.0	2.0	1.9	1.7	1.5	1.3	1.4
67.5°	0.0	0.9	1.4	1.9	2.1	2.1	2.1	1.7	1.5	2.0	2.0
65°	0.0	1.0	1.6	2.0	2.2	2.4	2.4	1.7	2.4	2.8	3.6
62.5°	0.0	1.1	1.8	2.1	2.3	3.0	2.9	2.4	3.4	5.0	8.0
60°	0.0	1.2	1.9	2.2	2.4	3.7	3.4	3.4	4.4	12.7	13.8
57.5°	0.0	1.3	2.0	2.3	3.1	4.4	6.3	4.9	12.5	21.6	25.1
55°	0.0	1.4	2.1	2.4	3.9	5.2	10.0	7.9	23.1	33.4	40.7
52.5°	0.0	1.5	2.3	2.5	4.7	6.7	14.3	20.1	34.7	52.4	59.1
50°	0.0	1.6	2.4	2.7	5.5	11.4	19.3	34.0	49.7	73.6	92.3
47.5°	0.0	1.6	2.5	2.9	6.4	16.4	26.0	48.5	71.6	96.9	126.1
45°	0.0	1.7	2.6	3.6	7.3	21.9	39.2	63.7	96.1	126.3	159.1
42.5°	0.0	1.8	2.7	4.3	8.3	27.6	52.8	83.0	121.0	154.9	197.0
40°	0.0	1.9	2.8	5.2	11.1	33.8	66.7	104.9	146.7	182.9	237.6
37.5°	0.0	2.0	3.0	6.3	15.9	40.2	80.8	126.9	173.7	216.6	280.1
35°	0.0	2.1	3.1	7.5	20.8	49.9	95.2	148.8	201.0	258.1	330.2
32.5°	0.0	2.1	3.2	8.9	25.7	61.2	110.7	170.7	228.7	299.7	391.2
30°	0.0	2.2	3.3	10.3	30.6	72.5	128.5	192.8	256.7	341.5	449.7
27.5°	0.0	2.3	3.4	11.9	36.8	83.6	145.9	215.8	287.4	383.2	505.7
25°	0.0	2.3	3.6	13.5	43.0	94.5	162.9	238.6	322.0	428.7	559.0
22.5°	0.0	2.4	3.7	15.2	49.3	105.6	179.4	261.0	356.0	474.3	613.0
20°	0.0	2.5	3.8	16.9	55.5	117.6	195.4	282.9	389.1	517.2	665.6
17.5°	0.0	2.5	3.9	18.7	61.6	129.1	211.2	304.2	421.1	557.5	716.6
15°	0.0	2.6	4.0	20.5	67.5	140.2	226.4	324.0	451.9	595.1	765.7
12.5°	0.0	2.6	4.1	22.3	73.3	150.8	240.5	341.6	476.4	629.9	812.3
10°	0.0	2.7	4.2	24.1	78.8	160.8	253.7	357.9	494.7	650.8	850.3
7.5°	0.0	2.7	4.3	25.8	84.0	170.2	265.8	372.7	510.3	667.0	872.4
5°	0.0	2.7	4.4	27.4	88.8	178.8	276.8	386.1	523.4	680.1	890.4
2.5°	0.0	2.8	4.5	28.9	93.2	186.6	286.7	397.9	533.9	690.1	904.2
0°	0.0	2.8	4.6	30.3	97.2	193.6	295.4	408.2	542.2	697.2	913.7
-2.5°	0.0	3.0	5.3	32.3	100.9	198.0	299.7	414.2	545.2	706.2	919.9
-5°	0.0	3.1	6.0	34.1	104.1	201.5	302.9	418.6	546.2	712.0	921.8
-7.5°	0.0	3.2	6.7	35.7	106.6	204.0	304.9	421.4	545.4	714.4	919.8
-10°	0.0	3.4	7.4	37.1	108.6	205.6	305.8	422.4	543.1	713.0	913.9
-12.5°	0.0	3.5	8.0	38.3	109.9	206.2	305.7	421.7	539.3	707.2	903.9
-15°	0.0	3.6	8.6	39.2	110.5	205.9	304.5	419.2	535.0	696.0	889.4
-17.5°	0.0	3.7	9.1	39.9	110.4	204.7	302.2	414.2	529.8	682.0	870.4
-20°	0.0	3.8	9.7	40.3	109.7	202.5	298.8	407.0	522.4	665.3	847.0

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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	3.9	10.1	40.5	108.1	199.4	293.8	398.3	512.8	646.1	819.3
-25°	0.0	3.9	10.5	40.3	105.8	194.6	287.6	388.2	500.9	624.4	787.2
-27.5°	0.0	4.0	10.9	39.8	102.7	188.7	280.3	376.8	486.6	603.4	758.7
-30°	0.0	4.0	11.1	39.0	98.9	181.9	271.9	364.1	471.1	585.7	728.4
-32.5°	0.0	4.0	11.4	37.8	94.4	174.3	262.3	352.3	454.7	565.1	695.9
-35°	0.0	4.0	11.5	36.3	89.4	165.9	251.9	339.9	436.9	541.9	661.4
-37.5°	0.0	4.0	11.6	34.5	83.9	157.4	240.7	326.1	417.8	515.9	627.3
-40°	0.0	3.9	11.6	32.4	77.9	149.8	228.7	311.1	397.5	491.4	593.7
-42.5°	0.0	3.9	11.5	30.0	73.4	141.6	215.9	294.9	377.9	465.4	557.5
-45°	0.0	3.8	11.4	27.7	70.2	132.9	202.2	278.0	357.8	437.8	520.0
-47.5°	0.0	3.7	11.2	25.0	66.6	123.7	187.8	261.2	336.3	408.8	487.6
-50°	0.0	3.6	10.9	24.1	62.4	114.0	175.8	243.5	312.5	382.2	453.6
-52.5°	0.0	3.5	10.6	23.6	57.6	103.8	163.7	225.1	289.8	354.7	418.7
-55°	0.0	3.3	10.2	22.9	52.3	96.1	151.2	206.4	267.0	326.6	387.8
-57.5°	0.0	3.2	9.7	21.9	46.6	88.3	138.2	191.5	243.4	299.6	356.2
-60°	0.0	3.0	9.1	20.7	40.5	79.7	125.0	175.1	219.8	272.3	324.6
-62.5°	0.0	2.8	8.6	19.2	37.6	70.5	112.9	157.3	197.9	244.3	293.6
-65°	0.0	2.6	8.0	17.5	34.3	60.7	100.0	138.8	174.8	216.2	262.0
-67.5°	0.0	2.4	7.3	15.6	30.7	52.5	86.2	120.4	150.4	186.8	227.8
-70°	0.0	2.1	6.6	13.6	26.7	45.9	71.7	101.6	128.6	156.2	191.3
-72.5°	0.0	1.9	5.9	11.9	22.4	38.9	60.7	82.3	106.4	130.7	155.4
-75°	0.0	1.6	5.1	10.4	17.8	31.4	49.6	66.3	83.7	105.0	126.5
-77.5°	0.0	1.4	4.3	8.8	14.7	23.6	38.0	51.3	65.1	80.1	97.1
-80°	0.0	1.1	3.5	7.1	11.9	18.0	26.0	35.9	46.6	58.2	70.6
-82.5°	0.0	0.8	2.6	5.3	9.0	13.6	19.1	23.1	27.9	36.0	44.8
-85°	0.0	0.6	1.8	3.6	6.0	9.1	12.8	15.4	18.2	21.0	24.0
-87.5°	0.0	0.3	0.9	1.8	3.0	4.6	6.4	7.7	9.1	10.5	12.0
-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°	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	1.0	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	1.4	1.5	1.3	1.0	0.9	0.9	1.0	1.0	0.9	0.9	0.9
67.5°	1.7	1.5	1.3	1.2	1.2	1.4	1.3	1.1	0.9	0.9	0.9
65°	1.8	1.6	2.3	2.6	1.9	1.6	1.4	1.2	1.2	1.3	1.3
62.5°	2.7	3.4	4.4	7.7	5.8	1.7	3.0	3.5	2.6	2.2	2.3
60°	8.9	6.1	18.1	25.9	16.1	5.9	7.2	24.0	20.8	3.9	13.0
57.5°	18.9	25.9	47.6	48.5	33.5	23.1	67.3	77.8	58.9	34.3	52.5
55°	41.5	63.7	78.9	73.1	79.8	120.9	143.7	129.0	108.6	167.1	213.5
52.5°	81.0	103.7	108.9	125.0	179.0	205.6	197.0	210.7	273.3	339.4	353.7
50°	119.6	138.2	152.7	220.7	262.9	265.6	285.2	347.2	430.6	471.0	461.2
47.5°	156.9	176.2	243.6	309.0	328.0	353.9	402.9	522.5	610.9	612.6	602.6
45°	196.4	247.7	333.8	376.5	407.2	457.4	575.8	740.8	749.3	773.3	920.7
42.5°	238.5	328.6	403.7	448.1	497.7	591.5	749.4	857.6	894.8	999.8	1118.3
40°	306.9	406.7	472.3	529.0	592.9	729.6	902.6	1004.0	1034.3	1125.1	1214.2
37.5°	376.2	471.9	545.4	613.8	702.4	887.0	1087.1	1170.7	1186.0	1202.7	1400.1
35°	442.9	538.8	626.8	716.3	824.9	1090.7	1265.6	1344.2	1341.8	1453.9	1660.7
32.5°	505.4	607.1	711.0	830.8	1009.9	1282.2	1457.2	1504.3	1575.7	1738.8	2021.1
30°	567.7	683.4	802.7	945.3	1172.3	1408.3	1608.0	1683.8	1806.1	1992.4	2197.8
27.5°	631.9	761.6	905.8	1073.0	1300.5	1517.4	1688.0	1869.0	1987.9	2154.8	2300.9
25°	695.8	844.4	1007.7	1184.6	1392.1	1594.3	1770.7	1979.7	2107.4	2241.9	2378.3
22.5°	762.9	928.3	1112.8	1273.1	1469.4	1659.6	1869.7	2096.4	2262.4	2347.9	2439.4
20°	833.0	1019.1	1215.9	1393.4	1545.6	1720.3	1969.0	2244.5	2458.8	2554.9	2567.5
17.5°	902.1	1107.1	1318.6	1510.9	1675.0	1830.5	2073.3	2421.9	2688.4	2777.8	2817.5
15°	969.4	1191.7	1420.8	1625.2	1805.3	1995.5	2254.8	2609.3	2913.9	3012.8	3075.4
12.5°	1034.5	1272.4	1521.4	1735.7	1935.7	2149.1	2419.6	2744.1	3022.1	3213.6	3328.4
10°	1096.4	1348.6	1618.9	1841.8	2064.7	2291.5	2556.0	2844.5	3070.9	3255.5	3418.5
7.5°	1127.7	1398.4	1702.8	1942.7	2190.4	2423.2	2667.6	2915.3	3105.9	3287.0	3444.6
5°	1148.9	1418.8	1729.0	1977.9	2257.2	2511.0	2748.3	2961.8	3128.8	3308.3	3462.3
2.5°	1164.1	1432.1	1746.7	1997.2	2282.3	2538.0	2771.6	2977.4	3147.8	3323.6	3481.2
0°	1173.3	1438.4	1755.8	2009.0	2298.0	2555.7	2785.1	2983.2	3160.3	3330.9	3500.6
-2.5°	1178.5	1457.7	1761.8	2039.4	2313.1	2571.1	2804.0	2997.4	3182.4	3344.8	3514.9
-5°	1177.8	1469.1	1760.2	2059.9	2320.4	2577.1	2813.5	3003.8	3194.4	3355.2	3520.7
-7.5°	1171.5	1471.8	1752.3	2066.3	2320.7	2575.0	2809.3	3006.9	3194.2	3364.7	3521.3
-10°	1160.0	1461.4	1745.0	2049.7	2311.8	2564.6	2796.6	3000.1	3186.8	3362.8	3518.2
-12.5°	1146.6	1439.9	1729.7	2025.9	2293.7	2545.1	2777.4	2983.0	3172.8	3348.4	3511.2
-15°	1126.4	1411.4	1704.5	1995.6	2266.2	2516.7	2752.4	2954.9	3151.3	3323.2	3490.4
-17.5°	1099.3	1376.1	1669.2	1959.6	2229.1	2479.7	2720.3	2917.9	3113.3	3291.0	3452.3
-20°	1065.1	1334.2	1623.2	1918.7	2182.0	2429.9	2663.0	2870.0	3064.2	3244.9	3414.4



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1023.8	1286.0	1567.9	1863.5	2123.2	2368.4	2598.7	2809.0	3010.2	3184.9	3365.6
-25°	982.5	1235.1	1506.8	1787.1	2055.0	2299.1	2530.1	2735.0	2940.6	3122.4	3294.0
-27.5°	942.8	1176.1	1435.8	1703.0	1977.7	2220.6	2449.5	2654.6	2854.2	3052.9	3218.1
-30°	898.3	1107.8	1358.0	1613.2	1881.0	2128.3	2358.9	2571.7	2761.7	2957.9	3135.3
-32.5°	849.2	1035.3	1275.9	1521.4	1773.8	2026.6	2255.1	2466.4	2664.1	2849.7	3035.9
-35°	801.2	976.8	1188.8	1422.7	1660.3	1908.3	2137.0	2346.3	2551.3	2735.2	2913.2
-37.5°	758.1	913.4	1096.2	1319.7	1546.8	1781.3	2013.9	2216.5	2411.7	2613.8	2787.3
-40°	711.4	845.4	1016.1	1213.6	1427.6	1650.7	1873.3	2082.9	2266.4	2466.2	2657.0
-42.5°	662.5	790.0	937.0	1101.3	1303.3	1513.6	1728.6	1933.6	2124.1	2312.6	2501.7
-45°	619.6	731.3	856.5	1006.6	1171.1	1368.9	1572.5	1776.8	1959.6	2139.3	2326.1
-47.5°	574.0	672.4	788.1	908.0	1051.0	1216.4	1407.8	1596.3	1783.4	1954.4	2119.7
-50°	528.6	619.3	714.4	822.3	940.3	1074.4	1233.3	1408.6	1579.5	1755.0	1918.7
-52.5°	489.5	563.4	649.4	739.5	840.5	951.4	1078.7	1222.7	1378.2	1527.1	1690.4
-55°	448.9	515.5	584.9	664.3	748.3	841.9	946.3	1067.3	1185.9	1323.7	1457.0
-57.5°	411.9	468.1	527.3	592.8	665.8	740.7	831.9	926.1	1033.7	1140.8	1246.4
-60°	377.1	422.9	473.1	528.6	587.3	654.0	722.1	802.9	889.6	975.1	1064.6
-62.5°	341.9	380.5	421.4	467.5	518.6	569.0	627.2	689.4	753.2	825.7	896.3
-65°	305.7	336.9	371.6	409.8	450.6	493.6	538.2	584.4	638.6	691.7	743.0
-67.5°	267.3	294.0	322.1	352.2	386.4	420.1	453.8	492.7	532.7	572.0	612.7
-70°	224.7	249.9	273.3	297.7	323.2	349.5	378.3	406.9	435.0	464.5	497.2
-72.5°	181.4	204.6	225.2	243.2	264.1	286.0	307.0	327.1	348.3	370.7	392.8
-75°	144.7	160.0	178.4	195.2	211.8	227.3	241.1	258.1	275.9	292.1	305.4
-77.5°	112.9	126.9	139.4	150.7	163.9	179.4	192.9	204.5	215.8	228.1	241.1
-80°	82.2	93.7	105.2	115.6	123.2	132.0	142.3	154.1	164.4	172.7	180.3
-82.5°	53.0	61.4	69.9	78.6	82.2	84.6	86.8	90.9	97.3	103.5	109.5
-85°	26.4	28.9	34.1	39.4	41.3	42.5	43.4	43.9	46.0	48.0	49.8
-87.5°	13.2	14.4	15.7	16.9	16.2	15.3	14.3	13.0	12.7	12.3	11.8
-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):

	-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°	0.7	0.8	0.8	0.8	0.8	0.6	0.4	0.2	0.0	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.6	0.4
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.6
65°	1.3	1.2	1.3	1.3	1.1	1.1	1.1	1.1	1.0	0.8	0.5
62.5°	2.3	2.6	2.0	2.0	2.0	1.9	1.8	1.7	1.6	1.5	1.6
60°	14.4	8.5	5.0	5.8	5.2	3.5	4.4	5.2	5.2	4.8	4.2
57.5°	79.7	59.5	44.1	105.3	105.6	50.4	60.7	95.4	78.6	25.8	24.0
55°	221.8	265.3	349.2	331.7	337.1	387.7	423.3	374.8	367.4	391.5	452.2
52.5°	398.5	440.0	468.2	494.6	526.7	561.2	596.8	619.4	640.6	663.1	676.5
50°	508.9	567.3	607.4	592.7	675.8	709.8	675.3	706.1	743.8	754.1	759.0
47.5°	751.4	837.1	854.1	909.3	958.9	957.8	915.7	918.2	1030.3	1129.1	1177.7
45°	1079.9	1082.8	1136.7	1234.1	1303.8	1281.9	1340.7	1474.3	1518.8	1561.9	1597.2
42.5°	1207.9	1260.9	1346.9	1433.1	1485.0	1530.1	1573.6	1622.7	1680.5	1727.3	1764.8
40°	1331.8	1374.5	1462.6	1532.0	1575.0	1617.0	1667.7	1722.2	1775.1	1816.2	1844.3
37.5°	1522.5	1555.6	1577.1	1641.5	1722.9	1685.3	1781.6	1850.6	1882.1	1923.9	1927.7
35°	1811.1	1789.0	1760.5	2017.0	2032.3	1945.7	2035.7	2142.7	2086.3	2203.7	2266.9
32.5°	2066.9	2063.6	2287.4	2422.3	2344.7	2408.0	2615.5	2606.3	2744.6	2808.8	2790.5
30°	2307.8	2390.1	2519.5	2620.0	2633.4	2733.2	2825.3	2906.1	2989.6	3064.5	3069.6
27.5°	2430.2	2537.5	2625.4	2683.5	2748.3	2832.3	2916.0	3006.9	3077.9	3124.8	3136.3
25°	2504.2	2613.8	2680.3	2742.9	2814.5	2887.0	2980.6	3079.6	3136.6	3165.6	3174.8
22.5°	2569.4	2667.9	2739.5	2790.2	2867.3	2945.3	3032.6	3116.3	3178.3	3190.9	3195.5
20°	2632.3	2726.9	2846.4	2921.1	2917.4	3005.2	3089.3	3156.0	3207.6	3207.3	3208.6
17.5°	2814.0	2847.7	3064.6	3229.2	3147.7	3104.7	3336.0	3340.3	3354.1	3326.8	3267.6
15°	3082.9	3144.5	3410.8	3589.3	3533.1	3530.1	3864.2	3781.4	3852.7	3834.0	3914.2
12.5°	3367.9	3440.7	3639.8	3815.0	3898.4	3919.0	4030.6	4135.2	4156.7	4148.2	4132.4
10°	3562.0	3665.8	3745.7	3852.1	3936.2	4022.2	4086.8	4161.9	4186.5	4172.3	4152.2
7.5°	3587.3	3689.8	3783.7	3877.0	3957.2	4026.4	4093.5	4154.6	4179.7	4171.4	4157.6
5°	3603.3	3696.2	3787.3	3881.9	3958.6	4022.7	4089.5	4151.5	4166.3	4156.4	4142.9
2.5°	3613.2	3699.2	3787.0	3881.2	3950.9	4011.9	4079.6	4145.7	4145.6	4141.2	4133.3
0°	3618.0	3704.3	3806.1	3891.4	3969.4	4027.2	4094.2	4158.4	4153.8	4141.9	4128.1
-2.5°	3628.3	3715.7	3819.7	3890.4	3978.3	4031.2	4100.4	4156.0	4153.9	4148.0	4141.2
-5°	3637.5	3735.8	3833.0	3907.4	3995.5	4064.8	4133.5	4177.0	4179.3	4171.2	4159.7
-7.5°	3643.1	3752.1	3844.9	3919.5	4005.0	4085.5	4155.3	4200.9	4201.9	4191.0	4177.3
-10°	3641.2	3756.3	3851.8	3928.9	4016.4	4095.9	4168.9	4226.8	4224.9	4214.5	4202.8
-12.5°	3634.4	3749.2	3847.3	3924.7	4024.1	4105.9	4188.0	4245.5	4248.6	4240.8	4228.2
-15°	3619.3	3737.8	3833.2	3917.8	4015.2	4110.8	4195.2	4258.7	4270.0	4263.7	4253.7
-17.5°	3589.4	3714.5	3815.7	3906.8	4000.3	4102.2	4198.1	4267.5	4283.0	4280.5	4272.3
-20°	3550.2	3679.3	3782.0	3877.4	3979.2	4084.2	4195.8	4259.3	4281.7	4283.1	4277.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3506.1	3632.6	3741.5	3835.3	3945.6	4051.9	4153.0	4227.3	4265.1	4272.1	4272.5
-25°	3453.3	3583.2	3691.4	3791.3	3893.9	4003.7	4105.9	4188.8	4227.1	4245.4	4251.1
-27.5°	3378.6	3512.9	3619.4	3725.0	3829.4	3942.8	4050.2	4140.4	4171.5	4196.6	4206.7
-30°	3291.2	3424.0	3532.5	3629.1	3748.5	3864.1	3974.9	4053.6	4100.6	4129.3	4145.0
-32.5°	3190.6	3324.7	3438.6	3539.4	3653.0	3768.6	3872.8	3955.8	4020.5	4053.7	4070.5
-35°	3081.6	3218.4	3337.7	3443.9	3550.8	3661.0	3769.0	3855.8	3929.6	3958.1	3979.1
-37.5°	2950.1	3101.1	3223.4	3332.9	3434.4	3538.0	3650.5	3749.8	3821.4	3849.0	3871.2
-40°	2815.2	2961.1	3084.5	3201.3	3301.7	3414.8	3523.2	3627.2	3689.3	3721.6	3746.7
-42.5°	2672.8	2804.6	2921.9	3035.5	3147.3	3263.7	3372.0	3480.1	3533.9	3572.7	3603.5
-45°	2508.5	2631.1	2745.1	2851.3	2966.6	3081.1	3189.4	3285.0	3348.9	3399.5	3438.9
-47.5°	2289.4	2438.7	2553.2	2654.3	2768.5	2879.0	2983.9	3073.8	3143.9	3203.1	3248.8
-50°	2066.8	2210.2	2339.3	2452.8	2558.8	2660.9	2760.9	2848.8	2923.0	2987.1	3033.4
-52.5°	1847.6	1982.0	2110.1	2227.3	2329.1	2425.6	2517.0	2605.5	2683.7	2752.3	2797.1
-55°	1600.0	1739.1	1865.9	1975.1	2076.9	2172.3	2262.5	2346.4	2423.5	2493.3	2536.3
-57.5°	1367.7	1489.8	1607.6	1708.5	1804.6	1895.4	1981.0	2061.3	2135.4	2201.2	2242.6
-60°	1154.2	1243.2	1344.7	1437.8	1523.0	1600.2	1680.1	1754.9	1823.1	1880.8	1919.4
-62.5°	965.4	1039.2	1112.5	1183.3	1252.3	1321.8	1388.6	1450.7	1507.6	1555.0	1588.8
-65°	797.2	856.5	909.5	959.7	1007.6	1062.3	1113.1	1160.9	1205.2	1241.5	1267.2
-67.5°	656.5	698.2	734.8	769.2	807.0	845.7	881.9	913.5	940.5	962.0	979.0
-70°	529.4	560.1	587.7	615.1	642.7	667.8	691.8	715.1	737.2	755.2	768.7
-72.5°	414.6	435.6	454.4	475.5	495.3	514.4	531.0	544.4	554.8	564.9	573.8
-75°	316.1	331.8	353.0	370.9	385.8	398.8	410.9	421.5	430.9	439.3	446.6
-77.5°	254.2	267.6	281.1	294.2	306.8	316.2	324.9	333.7	342.2	349.6	356.1
-80°	188.4	198.4	208.8	219.3	229.8	235.0	239.1	242.9	246.3	250.7	254.8
-82.5°	115.2	120.8	126.6	132.5	138.4	139.8	140.3	140.2	139.4	137.8	135.4
-85°	51.3	51.6	51.4	50.8	49.8	47.8	45.3	42.5	39.3	38.8	38.1
-87.5°	11.3	11.1	10.7	10.4	10.0	10.0	9.9	9.8	9.8	10.1	10.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645395 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
85°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.8	0.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.5	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.5	0.0	0.5	0.9	0.9	0.9	0.9	0.9	0.9
67.5°	0.3	0.1	0.0	0.0	0.0	0.1	0.3	0.6	0.8	0.9	0.9
65°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.0	1.1
62.5°	1.6	1.7	1.8	1.8	1.8	1.7	1.6	1.6	1.5	1.6	1.7
60°	3.3	2.1	1.8	1.8	1.8	2.1	3.3	4.2	4.8	5.2	5.2
57.5°	20.3	15.2	12.9	11.9	12.9	15.2	20.3	24.0	25.8	78.6	95.4
55°	495.8	521.0	539.9	548.6	539.9	521.0	495.8	452.2	391.5	367.4	374.8
52.5°	688.3	699.3	705.6	705.4	705.6	699.3	688.3	676.5	663.1	640.6	619.4
50°	767.3	772.6	774.5	773.3	774.5	772.6	767.3	759.0	754.1	743.8	706.1
47.5°	1133.3	1035.2	963.1	945.8	963.1	1035.2	1133.3	1177.7	1129.1	1030.3	918.2
45°	1614.1	1651.3	1688.4	1699.9	1688.4	1651.3	1614.1	1597.2	1561.9	1518.8	1474.3
42.5°	1780.6	1792.7	1799.6	1799.8	1799.6	1792.7	1780.6	1764.8	1727.3	1680.5	1622.7
40°	1860.1	1871.5	1878.1	1878.7	1878.1	1871.5	1860.1	1844.3	1816.2	1775.1	1722.2
37.5°	1932.2	1942.0	1948.4	1954.9	1948.4	1942.0	1932.2	1927.7	1923.9	1882.1	1850.6
35°	2258.3	2184.5	2078.3	2094.3	2078.3	2184.5	2258.3	2266.9	2203.7	2086.3	2142.7
32.5°	2819.1	2850.1	2869.5	2902.5	2869.5	2850.1	2819.1	2790.5	2808.8	2744.6	2606.3
30°	3077.8	3088.1	3103.6	3119.9	3103.6	3088.1	3077.8	3069.6	3064.5	2989.6	2906.1
27.5°	3142.4	3153.0	3162.4	3169.5	3162.4	3153.0	3142.4	3136.3	3124.8	3077.9	3006.9
25°	3176.1	3182.7	3192.7	3201.6	3192.7	3182.7	3176.1	3174.8	3165.6	3136.6	3079.6
22.5°	3192.9	3193.6	3201.4	3212.6	3201.4	3193.6	3192.9	3195.5	3190.9	3178.3	3116.3
20°	3204.4	3198.2	3206.3	3213.5	3206.3	3198.2	3204.4	3208.6	3207.3	3207.6	3156.0
17.5°	3351.1	3267.4	3233.1	3233.7	3233.1	3267.4	3351.1	3267.6	3326.8	3354.1	3340.3
15°	3824.2	3855.6	3976.0	4040.9	3976.0	3855.6	3824.2	3914.2	3834.0	3852.7	3781.4
12.5°	4129.5	4118.3	4104.0	4123.5	4104.0	4118.3	4129.5	4132.4	4148.2	4156.7	4135.2
10°	4143.6	4142.3	4116.9	4144.6	4116.9	4142.3	4143.6	4152.2	4172.3	4186.5	4161.9
7.5°	4135.0	4135.7	4124.9	4151.9	4124.9	4135.7	4135.0	4157.6	4171.4	4179.7	4154.6
5°	4140.7	4122.0	4129.1	4144.6	4129.1	4122.0	4140.7	4142.9	4156.4	4166.3	4151.5
2.5°	4124.7	4122.8	4109.0	4119.8	4109.0	4122.8	4124.7	4133.3	4141.2	4145.6	4145.7
0°	4112.5	4102.4	4102.4	4111.6	4102.4	4102.4	4112.5	4128.1	4141.9	4153.8	4158.4
-2.5°	4134.2	4132.1	4130.7	4124.4	4130.7	4132.1	4134.2	4141.2	4148.0	4153.9	4156.0
-5°	4152.0	4146.6	4131.5	4151.9	4131.5	4146.6	4152.0	4159.7	4171.2	4179.3	4177.0
-7.5°	4171.2	4157.3	4143.0	4174.9	4143.0	4157.3	4171.2	4177.3	4191.0	4201.9	4200.9
-10°	4188.8	4168.6	4154.7	4185.9	4154.7	4168.6	4188.8	4202.8	4214.5	4224.9	4226.8
-12.5°	4211.9	4188.4	4179.1	4196.0	4179.1	4188.4	4211.9	4228.2	4240.8	4248.6	4245.5
-15°	4236.6	4220.3	4218.1	4228.1	4218.1	4220.3	4236.6	4253.7	4263.7	4270.0	4258.7
-17.5°	4258.3	4246.8	4252.5	4263.9	4252.5	4246.8	4258.3	4272.3	4280.5	4283.0	4267.5
-20°	4268.7	4262.3	4268.6	4296.9	4268.6	4262.3	4268.7	4277.5	4283.1	4281.7	4259.3



REPORT NUMBER: P645395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4267.8	4268.2	4279.4	4288.6	4279.4	4268.2	4267.8	4272.5	4272.1	4265.1	4227.3
-25°	4251.5	4260.1	4272.9	4291.4	4272.9	4260.1	4251.5	4251.1	4245.4	4227.1	4188.8
-27.5°	4212.2	4226.4	4239.9	4259.3	4239.9	4226.4	4212.2	4206.7	4196.6	4171.5	4140.4
-30°	4155.4	4172.4	4184.4	4205.2	4184.4	4172.4	4155.4	4145.0	4129.3	4100.6	4053.6
-32.5°	4086.3	4105.5	4119.7	4134.5	4119.7	4105.5	4086.3	4070.5	4053.7	4020.5	3955.8
-35°	4000.0	4020.6	4035.7	4049.2	4035.7	4020.6	4000.0	3979.1	3958.1	3929.6	3855.8
-37.5°	3896.1	3918.4	3935.6	3951.0	3935.6	3918.4	3896.1	3871.2	3849.0	3821.4	3749.8
-40°	3775.2	3798.1	3816.4	3833.6	3816.4	3798.1	3775.2	3746.7	3721.6	3689.3	3627.2
-42.5°	3633.8	3656.9	3675.8	3693.3	3675.8	3656.9	3633.8	3603.5	3572.7	3533.9	3480.1
-45°	3470.6	3494.4	3514.4	3532.7	3514.4	3494.4	3470.6	3438.9	3399.5	3348.9	3285.0
-47.5°	3282.5	3307.9	3325.1	3333.7	3325.1	3307.9	3282.5	3248.8	3203.1	3143.9	3073.8
-50°	3067.0	3092.4	3113.0	3128.2	3113.0	3092.4	3067.0	3033.4	2987.1	2923.0	2848.8
-52.5°	2829.8	2853.9	2871.6	2882.3	2871.6	2853.9	2829.8	2797.1	2752.3	2683.7	2605.5
-55°	2570.0	2595.4	2612.1	2620.0	2612.1	2595.4	2570.0	2536.3	2493.3	2423.5	2346.4
-57.5°	2275.4	2299.5	2317.3	2327.3	2317.3	2299.5	2275.4	2242.6	2201.2	2135.4	2061.3
-60°	1949.4	1970.9	1984.4	1989.7	1984.4	1970.9	1949.4	1919.4	1880.8	1823.1	1754.9
-62.5°	1616.1	1636.4	1649.1	1654.0	1649.1	1636.4	1616.1	1588.8	1555.0	1507.6	1450.7
-65°	1286.4	1299.2	1306.2	1307.2	1306.2	1299.2	1286.4	1267.2	1241.5	1205.2	1160.9
-67.5°	992.4	1002.1	1008.0	1010.0	1008.0	1002.1	992.4	979.0	962.0	940.5	913.5
-70°	778.7	785.4	789.2	789.8	789.2	785.4	778.7	768.7	755.2	737.2	715.1
-72.5°	580.5	585.3	583.7	579.8	583.7	585.3	580.5	573.8	564.9	554.8	544.4
-75°	452.9	458.2	456.0	452.3	456.0	458.2	452.9	446.6	439.3	430.9	421.5
-77.5°	361.8	366.7	364.3	360.5	364.3	366.7	361.8	356.1	349.6	342.2	333.7
-80°	258.4	261.2	263.2	264.2	263.2	261.2	258.4	254.8	250.7	246.3	242.9
-82.5°	132.2	128.3	125.9	122.9	125.9	128.3	132.2	135.4	137.8	139.4	140.2
-85°	37.4	36.5	37.1	37.6	37.1	36.5	37.4	38.1	38.8	39.3	42.5
-87.5°	10.7	11.0	11.0	11.0	11.0	11.0	10.7	10.4	10.1	9.8	9.8
-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: P645395 (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°	0.4	0.6	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9	0.9	1.1
65°	1.1	1.1	1.1	1.3	1.3	1.2	1.3	1.3	1.3	1.2	1.2
62.5°	1.8	1.9	2.0	2.0	2.0	2.6	2.3	2.3	2.2	2.6	3.5
60°	4.4	3.5	5.2	5.8	5.0	8.5	14.4	13.0	3.9	20.8	24.0
57.5°	60.7	50.4	105.6	105.3	44.1	59.5	79.7	52.5	34.3	58.9	77.8
55°	423.3	387.7	337.1	331.7	349.2	265.3	221.8	213.5	167.1	108.6	129.0
52.5°	596.8	561.2	526.7	494.6	468.2	440.0	398.5	353.7	339.4	273.3	210.7
50°	675.3	709.8	675.8	592.7	607.4	567.3	508.9	461.2	471.0	430.6	347.2
47.5°	915.7	957.8	958.9	909.3	854.1	837.1	751.4	602.6	612.6	610.9	522.5
45°	1340.7	1281.9	1303.8	1234.1	1136.7	1082.8	1079.9	920.7	773.3	749.3	740.8
42.5°	1573.6	1530.1	1485.0	1433.1	1346.9	1260.9	1207.9	1118.3	999.8	894.8	857.6
40°	1667.7	1617.0	1575.0	1532.0	1462.6	1374.5	1331.8	1214.2	1125.1	1034.3	1004.0
37.5°	1781.6	1685.3	1722.9	1641.5	1577.1	1555.6	1522.5	1400.1	1202.7	1186.0	1170.7
35°	2035.7	1945.7	2032.3	2017.0	1760.5	1789.0	1811.1	1660.7	1453.9	1341.8	1344.2
32.5°	2615.5	2408.0	2344.7	2422.3	2287.4	2063.6	2066.9	2021.1	1738.8	1575.7	1504.3
30°	2825.3	2733.2	2633.4	2620.0	2519.5	2390.1	2307.8	2197.8	1992.4	1806.1	1683.8
27.5°	2916.0	2832.3	2748.3	2683.5	2625.4	2537.5	2430.2	2300.9	2154.8	1987.9	1869.0
25°	2980.6	2887.0	2814.5	2742.9	2680.3	2613.8	2504.2	2378.3	2241.9	2107.4	1979.7
22.5°	3032.6	2945.3	2867.3	2790.2	2739.5	2667.9	2569.4	2439.4	2347.9	2262.4	2096.4
20°	3089.3	3005.2	2917.4	2921.1	2846.4	2726.9	2632.3	2567.5	2554.9	2458.8	2244.5
17.5°	3336.0	3104.7	3147.7	3229.2	3064.6	2847.7	2814.0	2817.5	2777.8	2688.4	2421.9
15°	3864.2	3530.1	3533.1	3589.3	3410.8	3144.5	3082.9	3075.4	3012.8	2913.9	2609.3
12.5°	4030.6	3919.0	3898.4	3815.0	3639.8	3440.7	3367.9	3328.4	3213.6	3022.1	2744.1
10°	4086.8	4022.2	3936.2	3852.1	3745.7	3665.8	3562.0	3418.5	3255.5	3070.9	2844.5
7.5°	4093.5	4026.4	3957.2	3877.0	3783.7	3689.8	3587.3	3444.6	3287.0	3105.9	2915.3
5°	4089.5	4022.7	3958.6	3881.9	3787.3	3696.2	3603.3	3462.3	3308.3	3128.8	2961.8
2.5°	4079.6	4011.9	3950.9	3881.2	3787.0	3699.2	3613.2	3481.2	3323.6	3147.8	2977.4
0°	4094.2	4027.2	3969.4	3891.4	3806.1	3704.3	3618.0	3500.6	3330.9	3160.3	2983.2
-2.5°	4100.4	4031.2	3978.3	3890.4	3819.7	3715.7	3628.3	3514.9	3344.8	3182.4	2997.4
-5°	4133.5	4064.8	3995.5	3907.4	3833.0	3735.8	3637.5	3520.7	3355.2	3194.4	3003.8
-7.5°	4155.3	4085.5	4005.0	3919.5	3844.9	3752.1	3643.1	3521.3	3364.7	3194.2	3006.9
-10°	4168.9	4095.9	4016.4	3928.9	3851.8	3756.3	3641.2	3518.2	3362.8	3186.8	3000.1
-12.5°	4188.0	4105.9	4024.1	3924.7	3847.3	3749.2	3634.4	3511.2	3348.4	3172.8	2983.0
-15°	4195.2	4110.8	4015.2	3917.8	3833.2	3737.8	3619.3	3490.4	3323.2	3151.3	2954.9
-17.5°	4198.1	4102.2	4000.3	3906.8	3815.7	3714.5	3589.4	3452.3	3291.0	3113.3	2917.9
-20°	4195.8	4084.2	3979.2	3877.4	3782.0	3679.3	3550.2	3414.4	3244.9	3064.2	2870.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645395 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA2E-730-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4153.0	4051.9	3945.6	3835.3	3741.5	3632.6	3506.1	3365.6	3184.9	3010.2	2809.0
-25°	4105.9	4003.7	3893.9	3791.3	3691.4	3583.2	3453.3	3294.0	3122.4	2940.6	2735.0
-27.5°	4050.2	3942.8	3829.4	3725.0	3619.4	3512.9	3378.6	3218.1	3052.9	2854.2	2654.6
-30°	3974.9	3864.1	3748.5	3629.1	3532.5	3424.0	3291.2	3135.3	2957.9	2761.7	2571.7
-32.5°	3872.8	3768.6	3653.0	3539.4	3438.6	3324.7	3190.6	3035.9	2849.7	2664.1	2466.4
-35°	3769.0	3661.0	3550.8	3443.9	3337.7	3218.4	3081.6	2913.2	2735.2	2551.3	2346.3
-37.5°	3650.5	3538.0	3434.4	3332.9	3223.4	3101.1	2950.1	2787.3	2613.8	2411.7	2216.5
-40°	3523.2	3414.8	3301.7	3201.3	3084.5	2961.1	2815.2	2657.0	2466.2	2266.4	2082.9
-42.5°	3372.0	3263.7	3147.3	3035.5	2921.9	2804.6	2672.8	2501.7	2312.6	2124.1	1933.6
-45°	3189.4	3081.1	2966.6	2851.3	2745.1	2631.1	2508.5	2326.1	2139.3	1959.6	1776.8
-47.5°	2983.9	2879.0	2768.5	2654.3	2553.2	2438.7	2289.4	2119.7	1954.4	1783.4	1596.3
-50°	2760.9	2660.9	2558.8	2452.8	2339.3	2210.2	2066.8	1918.7	1755.0	1579.5	1408.6
-52.5°	2517.0	2425.6	2329.1	2227.3	2110.1	1982.0	1847.6	1690.4	1527.1	1378.2	1222.7
-55°	2262.5	2172.3	2076.9	1975.1	1865.9	1739.1	1600.0	1457.0	1323.7	1185.9	1067.3
-57.5°	1981.0	1895.4	1804.6	1708.5	1607.6	1489.8	1367.7	1246.4	1140.8	1033.7	926.1
-60°	1680.1	1600.2	1523.0	1437.8	1344.7	1243.2	1154.2	1064.6	975.1	889.6	802.9
-62.5°	1388.6	1321.8	1252.3	1183.3	1112.5	1039.2	965.4	896.3	825.7	753.2	689.4
-65°	1113.1	1062.3	1007.6	959.7	909.5	856.5	797.2	743.0	691.7	638.6	584.4
-67.5°	881.9	845.7	807.0	769.2	734.8	698.2	656.5	612.7	572.0	532.7	492.7
-70°	691.8	667.8	642.7	615.1	587.7	560.1	529.4	497.2	464.5	435.0	406.9
-72.5°	531.0	514.4	495.3	475.5	454.4	435.6	414.6	392.8	370.7	348.3	327.1
-75°	410.9	398.8	385.8	370.9	353.0	331.8	316.1	305.4	292.1	275.9	258.1
-77.5°	324.9	316.2	306.8	294.2	281.1	267.6	254.2	241.1	228.1	215.8	204.5
-80°	239.1	235.0	229.8	219.3	208.8	198.4	188.4	180.3	172.7	164.4	154.1
-82.5°	140.3	139.8	138.4	132.5	126.6	120.8	115.2	109.5	103.5	97.3	90.9
-85°	45.3	47.8	49.8	50.8	51.4	51.6	51.3	49.8	48.0	46.0	43.9
-87.5°	9.9	10.0	10.0	10.4	10.7	11.1	11.3	11.8	12.3	12.7	13.0
-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: P645395 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA2E-730-U-LAM-VSR-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°	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.4	1.4
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.4	1.6
77.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	1.4	1.6
75°	0.9	0.9	0.9	0.9	1.0	0.9	0.9	1.0	1.2	1.4	1.6
72.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.0	1.0	1.2	1.4	1.6
70°	1.0	0.9	0.9	1.0	1.3	1.5	1.4	1.4	1.3	1.5	1.7
67.5°	1.3	1.4	1.2	1.2	1.3	1.5	1.7	2.0	2.0	1.5	1.7
65°	1.4	1.6	1.9	2.6	2.3	1.6	1.8	3.6	2.8	2.4	1.7
62.5°	3.0	1.7	5.8	7.7	4.4	3.4	2.7	8.0	5.0	3.4	2.4
60°	7.2	5.9	16.1	25.9	18.1	6.1	8.9	13.8	12.7	4.4	3.4
57.5°	67.3	23.1	33.5	48.5	47.6	25.9	18.9	25.1	21.6	12.5	4.9
55°	143.7	120.9	79.8	73.1	78.9	63.7	41.5	40.7	33.4	23.1	7.9
52.5°	197.0	205.6	179.0	125.0	108.9	103.7	81.0	59.1	52.4	34.7	20.1
50°	285.2	265.6	262.9	220.7	152.7	138.2	119.6	92.3	73.6	49.7	34.0
47.5°	402.9	353.9	328.0	309.0	243.6	176.2	156.9	126.1	96.9	71.6	48.5
45°	575.8	457.4	407.2	376.5	333.8	247.7	196.4	159.1	126.3	96.1	63.7
42.5°	749.4	591.5	497.7	448.1	403.7	328.6	238.5	197.0	154.9	121.0	83.0
40°	902.6	729.6	592.9	529.0	472.3	406.7	306.9	237.6	182.9	146.7	104.9
37.5°	1087.1	887.0	702.4	613.8	545.4	471.9	376.2	280.1	216.6	173.7	126.9
35°	1265.6	1090.7	824.9	716.3	626.8	538.8	442.9	330.2	258.1	201.0	148.8
32.5°	1457.2	1282.2	1009.9	830.8	711.0	607.1	505.4	391.2	299.7	228.7	170.7
30°	1608.0	1408.3	1172.3	945.3	802.7	683.4	567.7	449.7	341.5	256.7	192.8
27.5°	1688.0	1517.4	1300.5	1073.0	905.8	761.6	631.9	505.7	383.2	287.4	215.8
25°	1770.7	1594.3	1392.1	1184.6	1007.7	844.4	695.8	559.0	428.7	322.0	238.6
22.5°	1869.7	1659.6	1469.4	1273.1	1112.8	928.3	762.9	613.0	474.3	356.0	261.0
20°	1969.0	1720.3	1545.6	1393.4	1215.9	1019.1	833.0	665.6	517.2	389.1	282.9
17.5°	2073.3	1830.5	1675.0	1510.9	1318.6	1107.1	902.1	716.6	557.5	421.1	304.2
15°	2254.8	1995.5	1805.3	1625.2	1420.8	1191.7	969.4	765.7	595.1	451.9	324.0
12.5°	2419.6	2149.1	1935.7	1735.7	1521.4	1272.4	1034.5	812.3	629.9	476.4	341.6
10°	2556.0	2291.5	2064.7	1841.8	1618.9	1348.6	1096.4	850.3	650.8	494.7	357.9
7.5°	2667.6	2423.2	2190.4	1942.7	1702.8	1398.4	1127.7	872.4	667.0	510.3	372.7
5°	2748.3	2511.0	2257.2	1977.9	1729.0	1418.8	1148.9	890.4	680.1	523.4	386.1
2.5°	2771.6	2538.0	2282.3	1997.2	1746.7	1432.1	1164.1	904.2	690.1	533.9	397.9
0°	2785.1	2555.7	2298.0	2009.0	1755.8	1438.4	1173.3	913.7	697.2	542.2	408.2
-2.5°	2804.0	2571.1	2313.1	2039.4	1761.8	1457.7	1178.5	919.9	706.2	545.2	414.2
-5°	2813.5	2577.1	2320.4	2059.9	1760.2	1469.1	1177.8	921.8	712.0	546.2	418.6
-7.5°	2809.3	2575.0	2320.7	2066.3	1752.3	1471.8	1171.5	919.8	714.4	545.4	421.4
-10°	2796.6	2564.6	2311.8	2049.7	1745.0	1461.4	1160.0	913.9	713.0	543.1	422.4
-12.5°	2777.4	2545.1	2293.7	2025.9	1729.7	1439.9	1146.6	903.9	707.2	539.3	421.7
-15°	2752.4	2516.7	2266.2	1995.6	1704.5	1411.4	1126.4	889.4	696.0	535.0	419.2
-17.5°	2720.3	2479.7	2229.1	1959.6	1669.2	1376.1	1099.3	870.4	682.0	529.8	414.2
-20°	2663.0	2429.9	2182.0	1918.7	1623.2	1334.2	1065.1	847.0	665.3	522.4	407.0



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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°	2598.7	2368.4	2123.2	1863.5	1567.9	1286.0	1023.8	819.3	646.1	512.8	398.3
-25°	2530.1	2299.1	2055.0	1787.1	1506.8	1235.1	982.5	787.2	624.4	500.9	388.2
-27.5°	2449.5	2220.6	1977.7	1703.0	1435.8	1176.1	942.8	758.7	603.4	486.6	376.8
-30°	2358.9	2128.3	1881.0	1613.2	1358.0	1107.8	898.3	728.4	585.7	471.1	364.1
-32.5°	2255.1	2026.6	1773.8	1521.4	1275.9	1035.3	849.2	695.9	565.1	454.7	352.3
-35°	2137.0	1908.3	1660.3	1422.7	1188.8	976.8	801.2	661.4	541.9	436.9	339.9
-37.5°	2013.9	1781.3	1546.8	1319.7	1096.2	913.4	758.1	627.3	515.9	417.8	326.1
-40°	1873.3	1650.7	1427.6	1213.6	1016.1	845.4	711.4	593.7	491.4	397.5	311.1
-42.5°	1728.6	1513.6	1303.3	1101.3	937.0	790.0	662.5	557.5	465.4	377.9	294.9
-45°	1572.5	1368.9	1171.1	1006.6	856.5	731.3	619.6	520.0	437.8	357.8	278.0
-47.5°	1407.8	1216.4	1051.0	908.0	788.1	672.4	574.0	487.6	408.8	336.3	261.2
-50°	1233.3	1074.4	940.3	822.3	714.4	619.3	528.6	453.6	382.2	312.5	243.5
-52.5°	1078.7	951.4	840.5	739.5	649.4	563.4	489.5	418.7	354.7	289.8	225.1
-55°	946.3	841.9	748.3	664.3	584.9	515.5	448.9	387.8	326.6	267.0	206.4
-57.5°	831.9	740.7	665.8	592.8	527.3	468.1	411.9	356.2	299.6	243.4	191.5
-60°	722.1	654.0	587.3	528.6	473.1	422.9	377.1	324.6	272.3	219.8	175.1
-62.5°	627.2	569.0	518.6	467.5	421.4	380.5	341.9	293.6	244.3	197.9	157.3
-65°	538.2	493.6	450.6	409.8	371.6	336.9	305.7	262.0	216.2	174.8	138.8
-67.5°	453.8	420.1	386.4	352.2	322.1	294.0	267.3	227.8	186.8	150.4	120.4
-70°	378.3	349.5	323.2	297.7	273.3	249.9	224.7	191.3	156.2	128.6	101.6
-72.5°	307.0	286.0	264.1	243.2	225.2	204.6	181.4	155.4	130.7	106.4	82.3
-75°	241.1	227.3	211.8	195.2	178.4	160.0	144.7	126.5	105.0	83.7	66.3
-77.5°	192.9	179.4	163.9	150.7	139.4	126.9	112.9	97.1	80.1	65.1	51.3
-80°	142.3	132.0	123.2	115.6	105.2	93.7	82.2	70.6	58.2	46.6	35.9
-82.5°	86.8	84.6	82.2	78.6	69.9	61.4	53.0	44.8	36.0	27.9	23.1
-85°	43.4	42.5	41.3	39.4	34.1	28.9	26.4	24.0	21.0	18.2	15.4
-87.5°	14.3	15.3	16.2	16.9	15.7	14.4	13.2	12.0	10.5	9.1	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

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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°	0.5	0.4	0.3	0.2	0.2	0.1	0.0
85°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
82.5°	1.4	1.2	0.9	0.7	0.5	0.3	0.0
80°	1.8	1.6	1.2	0.9	0.6	0.4	0.0
77.5°	1.8	1.8	1.6	1.2	0.8	0.5	0.0
75°	1.8	1.9	1.8	1.4	0.9	0.6	0.0
72.5°	1.9	2.0	1.9	1.6	1.1	0.7	0.0
70°	1.9	2.0	2.0	1.8	1.3	0.8	0.0
67.5°	2.1	2.1	2.1	1.9	1.4	0.9	0.0
65°	2.4	2.4	2.2	2.0	1.6	1.0	0.0
62.5°	2.9	3.0	2.3	2.1	1.8	1.1	0.0
60°	3.4	3.7	2.4	2.2	1.9	1.2	0.0
57.5°	6.3	4.4	3.1	2.3	2.0	1.3	0.0
55°	10.0	5.2	3.9	2.4	2.1	1.4	0.0
52.5°	14.3	6.7	4.7	2.5	2.3	1.5	0.0
50°	19.3	11.4	5.5	2.7	2.4	1.6	0.0
47.5°	26.0	16.4	6.4	2.9	2.5	1.6	0.0
45°	39.2	21.9	7.3	3.6	2.6	1.7	0.0
42.5°	52.8	27.6	8.3	4.3	2.7	1.8	0.0
40°	66.7	33.8	11.1	5.2	2.8	1.9	0.0
37.5°	80.8	40.2	15.9	6.3	3.0	2.0	0.0
35°	95.2	49.9	20.8	7.5	3.1	2.1	0.0
32.5°	110.7	61.2	25.7	8.9	3.2	2.1	0.0
30°	128.5	72.5	30.6	10.3	3.3	2.2	0.0
27.5°	145.9	83.6	36.8	11.9	3.4	2.3	0.0
25°	162.9	94.5	43.0	13.5	3.6	2.3	0.0
22.5°	179.4	105.6	49.3	15.2	3.7	2.4	0.0
20°	195.4	117.6	55.5	16.9	3.8	2.5	0.0
17.5°	211.2	129.1	61.6	18.7	3.9	2.5	0.0
15°	226.4	140.2	67.5	20.5	4.0	2.6	0.0
12.5°	240.5	150.8	73.3	22.3	4.1	2.6	0.0
10°	253.7	160.8	78.8	24.1	4.2	2.7	0.0
7.5°	265.8	170.2	84.0	25.8	4.3	2.7	0.0
5°	276.8	178.8	88.8	27.4	4.4	2.7	0.0
2.5°	286.7	186.6	93.2	28.9	4.5	2.8	0.0
0°	295.4	193.6	97.2	30.3	4.6	2.8	0.0
-2.5°	299.7	198.0	100.9	32.3	5.3	3.0	0.0
-5°	302.9	201.5	104.1	34.1	6.0	3.1	0.0
-7.5°	304.9	204.0	106.6	35.7	6.7	3.2	0.0
-10°	305.8	205.6	108.6	37.1	7.4	3.4	0.0
-12.5°	305.7	206.2	109.9	38.3	8.0	3.5	0.0
-15°	304.5	205.9	110.5	39.2	8.6	3.6	0.0
-17.5°	302.2	204.7	110.4	39.9	9.1	3.7	0.0
-20°	298.8	202.5	109.7	40.3	9.7	3.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	293.8	199.4	108.1	40.5	10.1	3.9	0.0
-25°	287.6	194.6	105.8	40.3	10.5	3.9	0.0
-27.5°	280.3	188.7	102.7	39.8	10.9	4.0	0.0
-30°	271.9	181.9	98.9	39.0	11.1	4.0	0.0
-32.5°	262.3	174.3	94.4	37.8	11.4	4.0	0.0
-35°	251.9	165.9	89.4	36.3	11.5	4.0	0.0
-37.5°	240.7	157.4	83.9	34.5	11.6	4.0	0.0
-40°	228.7	149.8	77.9	32.4	11.6	3.9	0.0
-42.5°	215.9	141.6	73.4	30.0	11.5	3.9	0.0
-45°	202.2	132.9	70.2	27.7	11.4	3.8	0.0
-47.5°	187.8	123.7	66.6	25.0	11.2	3.7	0.0
-50°	175.8	114.0	62.4	24.1	10.9	3.6	0.0
-52.5°	163.7	103.8	57.6	23.6	10.6	3.5	0.0
-55°	151.2	96.1	52.3	22.9	10.2	3.3	0.0
-57.5°	138.2	88.3	46.6	21.9	9.7	3.2	0.0
-60°	125.0	79.7	40.5	20.7	9.1	3.0	0.0
-62.5°	112.9	70.5	37.6	19.2	8.6	2.8	0.0
-65°	100.0	60.7	34.3	17.5	8.0	2.6	0.0
-67.5°	86.2	52.5	30.7	15.6	7.3	2.4	0.0
-70°	71.7	45.9	26.7	13.6	6.6	2.1	0.0
-72.5°	60.7	38.9	22.4	11.9	5.9	1.9	0.0
-75°	49.6	31.4	17.8	10.4	5.1	1.6	0.0
-77.5°	38.0	23.6	14.7	8.8	4.3	1.4	0.0
-80°	26.0	18.0	11.9	7.1	3.5	1.1	0.0
-82.5°	19.1	13.6	9.0	5.3	2.6	0.8	0.0
-85°	12.8	9.1	6.0	3.6	1.8	0.6	0.0
-87.5°	6.4	4.6	3.0	1.8	0.9	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)