

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

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P673112

Luminaire Tested: **CCP-SA-1F-735-U-T2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673112
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-735-U-T2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

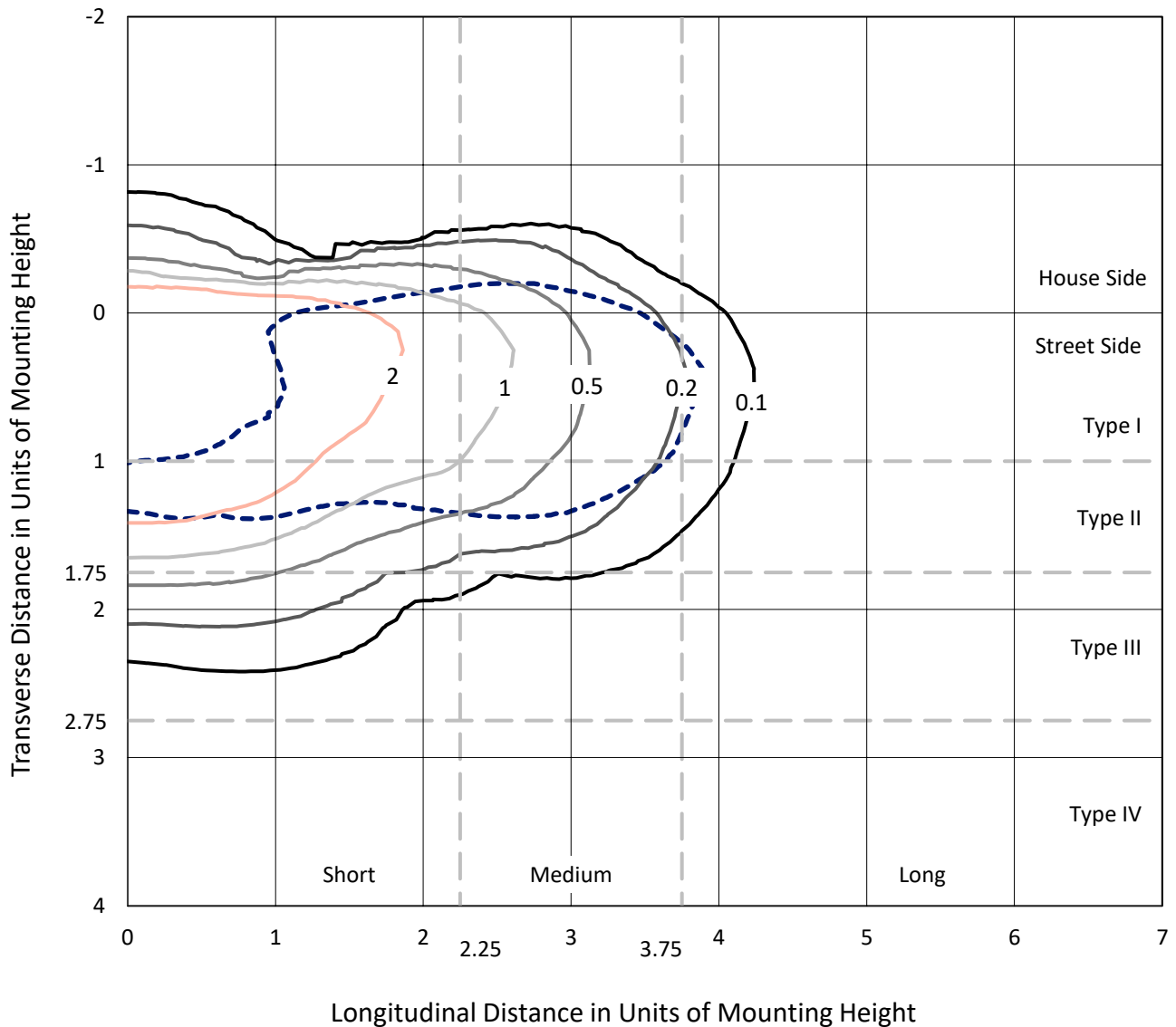
Lumens per Lamp: N/A
Luminaire Lumens: 5709.2 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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-Footcandle Lines of Horizontal Illumination

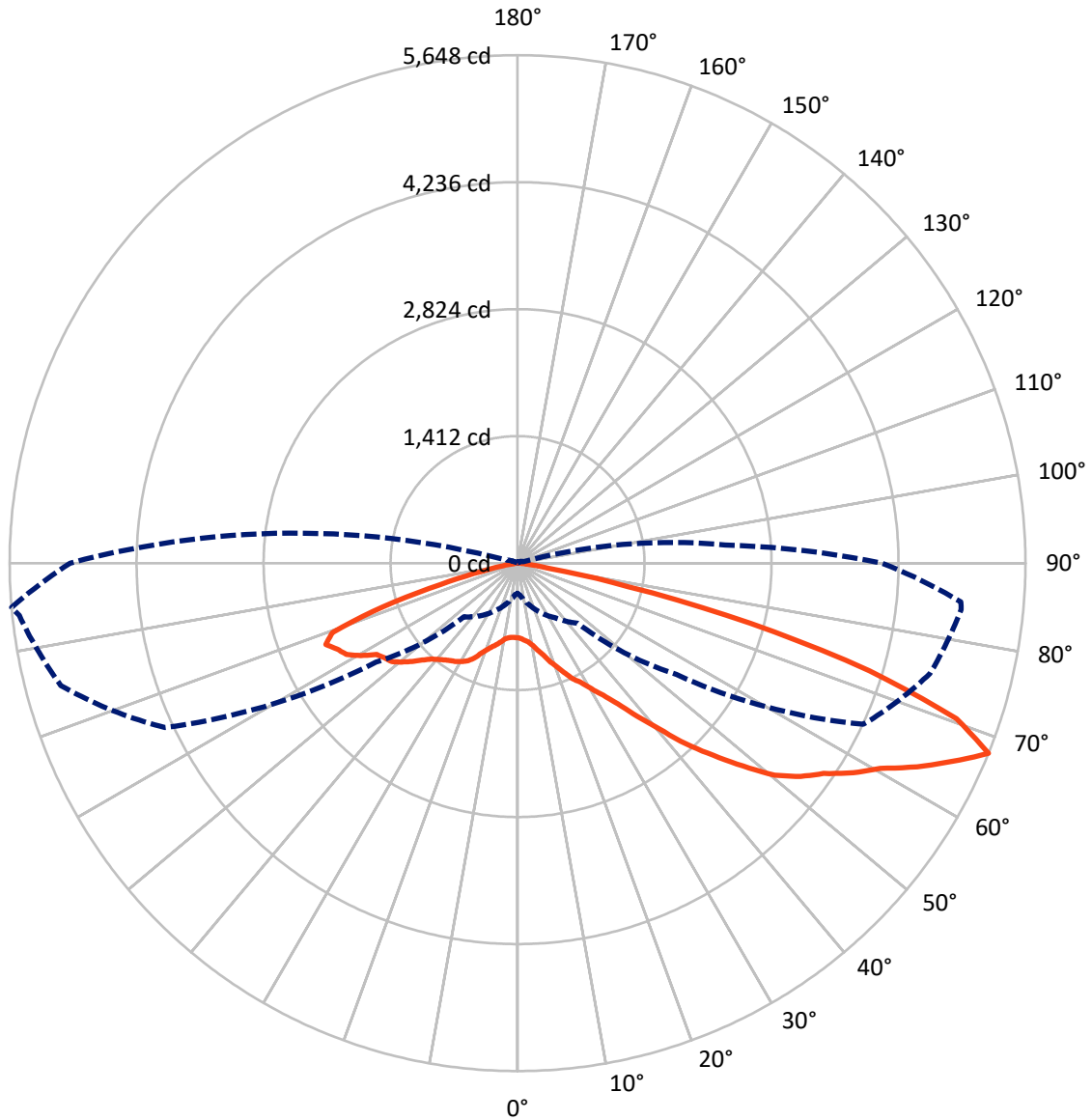
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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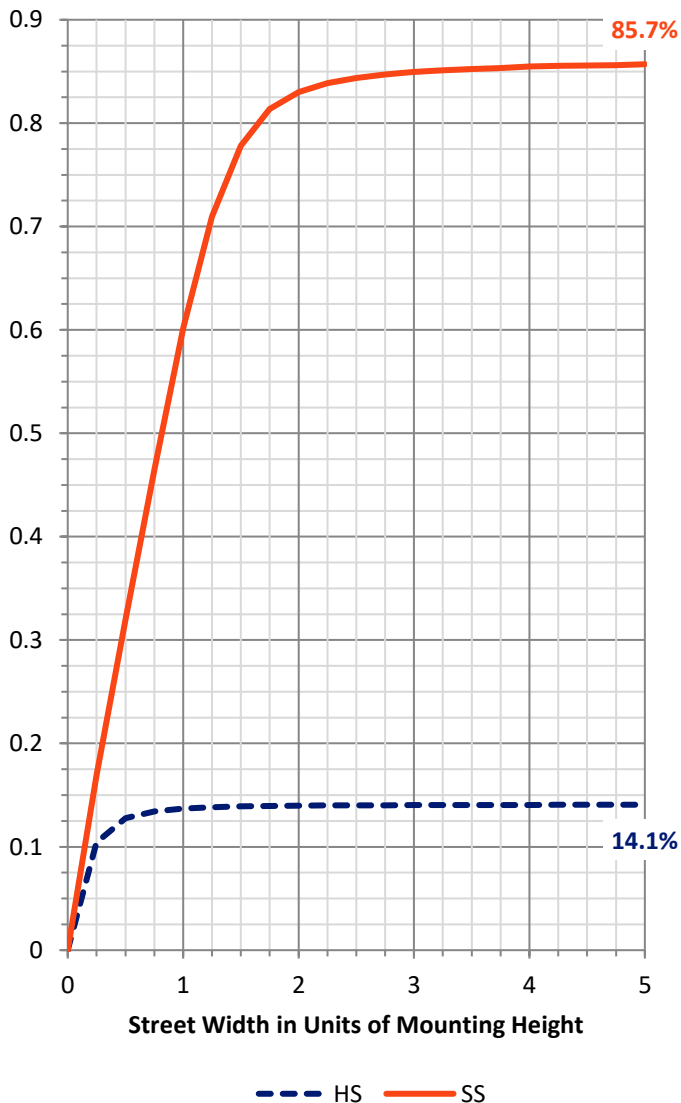
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	811.1	0.0	811.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	4898.1	0.0	4898.1
	% Fixture	85.8	0.0	85.8
Total	Lumens	5709.2	0.0	5709.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	1.3
10°-20°	203.6	3.6
20°-30°	338.1	5.9
30°-40°	581.6	10.2
40°-50°	1045.2	18.3
50°-60°	1487.9	26.1
60°-70°	1356.5	23.8
70°-80°	577.6	10.1
80°-90°	43.0	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5709.2	100.0
0°-180°	5709.2	100.0



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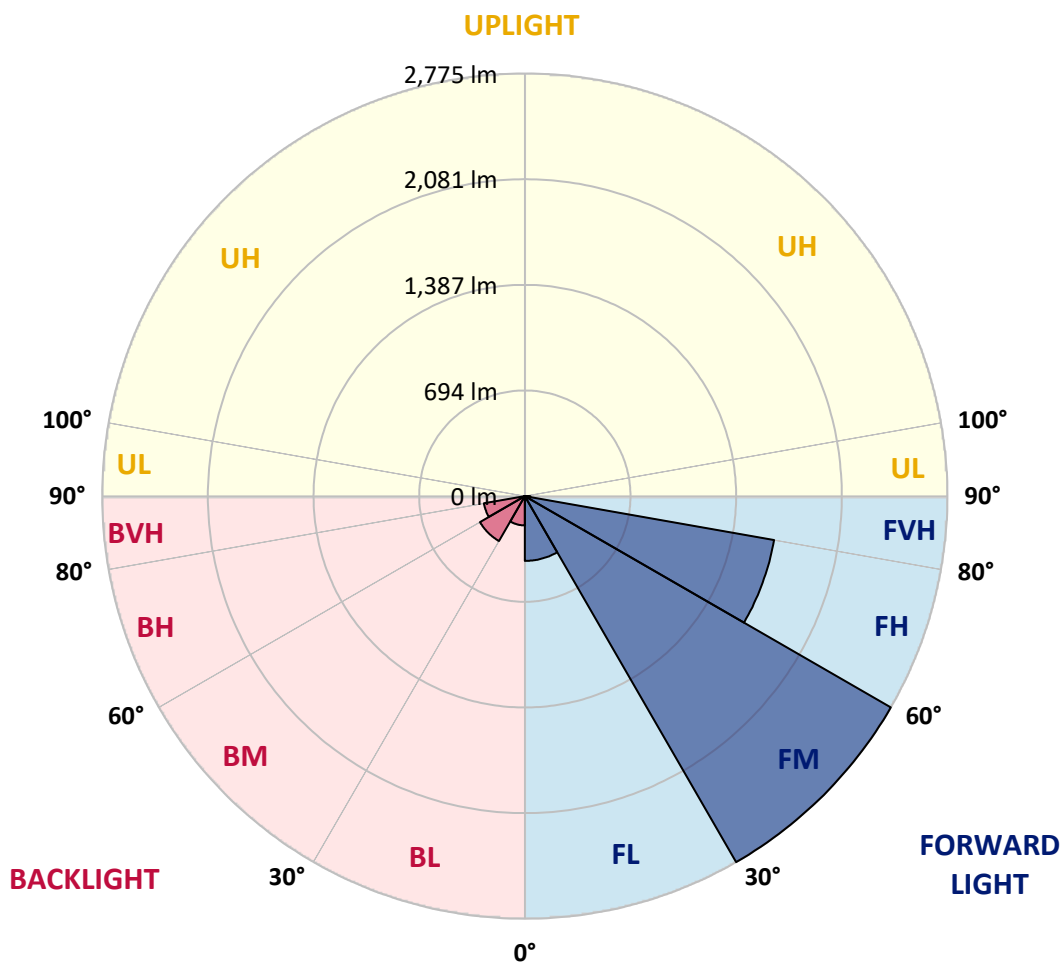
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.3	7.4			
FM (30°-60°)	2774.7	48.6			
FH (60°-80°)	1661.6	29.1			G1/1800
FVH (80°-90°)	36.5	0.6			G1/100
BL (0°-30°)	192.0	3.4	B1/500		
BM (30°-60°)	340.1	6.0	B1/1000		
BH (60°-80°)	272.5	4.8	B1/500		G1/500
BVH (80°-90°)	6.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2
2.5°	860.1	868.3	868.3	865.6	857.4	852.0	849.3	843.8	838.4	838.4	841.1
5°	868.3	860.1	871.0	857.4	857.4	857.4	868.3	862.9	860.1	846.5	846.5
7.5°	868.3	860.1	860.1	868.3	860.1	865.6	879.2	873.8	884.6	860.1	865.6
10°	843.8	841.1	846.5	857.4	860.1	871.0	884.6	911.9	914.6	898.2	895.5
12.5°	794.8	792.1	811.1	816.6	849.3	876.5	917.3	939.1	963.6	955.4	939.1
15°	759.4	764.9	778.5	800.3	830.2	879.2	925.5	974.5	1018.0	1007.1	1001.7
17.5°	773.0	770.3	773.0	786.6	824.8	873.8	952.7	1009.8	1072.5	1072.5	1077.9
20°	813.9	822.0	819.3	811.1	830.2	871.0	952.7	1053.4	1156.8	1148.7	1148.7
22.5°	884.6	887.4	871.0	865.6	862.9	887.4	969.0	1107.8	1227.6	1243.9	1238.5
25°	958.1	960.9	955.4	939.1	917.3	922.7	999.0	1151.4	1325.6	1352.8	1347.4
27.5°	1080.6	1077.9	1064.3	1045.2	1012.6	988.1	1045.2	1184.1	1401.8	1448.1	1434.5
30°	1203.1	1194.9	1175.9	1151.4	1121.5	1075.2	1102.4	1246.7	1497.1	1540.6	1510.7
32.5°	1352.8	1336.5	1341.9	1303.8	1241.2	1167.7	1162.3	1303.8	1573.3	1635.9	1611.4
35°	1543.4	1524.3	1497.1	1461.7	1401.8	1303.8	1273.9	1396.4	1701.2	1747.5	1747.5
37.5°	1793.8	1812.8	1780.2	1633.2	1567.9	1475.3	1412.7	1491.6	1812.8	1924.4	1897.2
40°	2049.6	2066.0	2006.1	1897.2	1755.7	1641.3	1603.2	1646.8	1981.6	2115.0	2063.3
42.5°	2256.5	2278.3	2256.5	2115.0	2003.4	1856.4	1788.3	1829.2	2199.3	2359.9	2291.9
45°	2474.3	2496.0	2471.5	2379.0	2270.1	2185.7	2014.3	2066.0	2428.0	2667.5	2591.3
47.5°	2637.6	2664.8	2621.3	2602.2	2515.1	2501.5	2210.2	2267.4	2667.5	2977.8	2882.6
50°	2675.7	2705.6	2743.7	2765.5	2735.6	2768.2	2474.3	2523.3	2917.9	3263.6	3171.1
52.5°	2585.9	2615.8	2700.2	2800.9	2939.7	3037.7	2741.0	2781.9	3179.3	3500.4	3451.5
55°	2321.8	2349.1	2520.5	2656.6	2988.7	3149.3	2996.9	3168.4	3367.1	3748.1	3628.4
57.5°	1878.2	1910.8	2136.7	2346.3	2825.4	3086.7	3149.3	3489.6	3677.4	3930.5	3791.7
60°	1333.8	1352.8	1548.8	1919.0	2373.6	2773.7	3119.4	3729.1	3922.4	4175.5	4102.0
62.5°	767.6	783.9	988.1	1336.5	1791.1	2316.4	2986.0	3955.0	4186.4	4445.0	4404.1
65°	509.0	514.5	653.3	843.8	1165.0	1706.7	2648.5	4156.4	4447.7	4660.0	4613.7
67.5°	334.8	364.7	473.6	604.3	745.8	944.5	2158.5	4240.8	4747.1	4959.4	4948.5
70°	239.5	250.4	340.2	465.5	560.7	530.8	1263.0	3644.7	4733.5	5041.1	4951.3
72.5°	141.5	152.4	225.9	348.4	441.0	337.5	590.7	2577.7	3922.4	4023.1	3998.6
75°	103.4	103.4	138.8	250.4	321.2	242.3	277.6	1630.5	2604.9	2828.1	2825.4
77.5°	73.5	76.2	95.3	149.7	247.7	176.9	152.4	906.4	1423.6	1557.0	1483.5
80°	43.6	46.3	65.3	89.8	179.6	127.9	100.7	413.7	547.1	552.6	525.3
82.5°	32.7	32.7	43.6	62.6	125.2	87.1	62.6	157.9	176.9	160.6	136.1
85°	19.1	16.3	32.7	46.3	73.5	49.0	43.6	73.5	81.7	59.9	54.4
87.5°	5.4	5.4	13.6	16.3	32.7	27.2	19.1	27.2	38.1	21.8	16.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2
2.5°	835.6	827.5	813.9	808.4	789.4	781.2	775.8	762.2	764.9	756.7	756.7
5°	827.5	827.5	800.3	770.3	740.4	721.3	699.5	672.3	672.3	661.4	664.2
7.5°	857.4	835.6	800.3	745.8	696.8	653.3	634.2	607.0	590.7	582.5	582.5
10°	876.5	854.7	794.8	729.5	666.9	612.4	571.6	533.5	511.7	511.7	509.0
12.5°	928.2	895.5	816.6	726.8	634.2	552.6	490.0	446.4	416.5	394.7	400.1
15°	971.7	936.4	827.5	705.0	577.1	462.7	386.5	304.9	264.0	242.3	234.1
17.5°	1039.8	974.5	852.0	666.9	490.0	362.0	250.4	182.4	166.0	163.3	163.3
20°	1097.0	1020.7	854.7	593.4	402.9	231.4	160.6	149.7	141.5	138.8	136.1
22.5°	1175.9	1080.6	843.8	509.0	288.5	155.2	136.1	125.2	119.8	111.6	111.6
25°	1257.5	1159.6	822.0	430.1	176.9	133.4	119.8	108.9	98.0	92.5	95.3
27.5°	1344.7	1219.4	759.4	334.8	136.1	117.0	98.0	89.8	84.4	81.7	81.7
30°	1415.4	1257.5	666.9	223.2	122.5	103.4	87.1	78.9	73.5	70.8	70.8
32.5°	1467.1	1290.2	563.4	149.7	111.6	92.5	78.9	70.8	65.3	62.6	62.6
35°	1554.2	1314.7	468.2	127.9	100.7	81.7	68.0	62.6	57.2	57.2	57.2
37.5°	1687.6	1347.4	372.9	117.0	92.5	73.5	65.3	57.2	54.4	51.7	51.7
40°	1804.7	1388.2	266.8	106.2	84.4	68.0	57.2	51.7	49.0	46.3	46.3
42.5°	1973.4	1434.5	174.2	95.3	76.2	62.6	51.7	46.3	43.6	40.8	40.8
45°	2188.5	1510.7	136.1	84.4	68.0	57.2	49.0	43.6	38.1	38.1	35.4
47.5°	2417.1	1603.2	122.5	78.9	62.6	51.7	43.6	38.1	35.4	32.7	32.7
50°	2629.4	1693.1	114.3	73.5	57.2	49.0	40.8	35.4	29.9	27.2	27.2
52.5°	2820.0	1777.4	108.9	68.0	54.4	43.6	35.4	29.9	27.2	24.5	24.5
55°	2920.7	1815.6	106.2	65.3	49.0	40.8	32.7	27.2	24.5	21.8	21.8
57.5°	3078.5	1864.5	103.4	62.6	46.3	35.4	29.9	24.5	21.8	19.1	19.1
60°	3334.4	2025.1	100.7	59.9	43.6	35.4	27.2	21.8	16.3	13.6	13.6
62.5°	3546.7	2158.5	89.8	51.7	38.1	29.9	21.8	16.3	10.9	8.2	8.2
65°	3789.0	2221.1	78.9	46.3	32.7	24.5	16.3	10.9	8.2	2.7	2.7
67.5°	4053.0	2316.4	65.3	40.8	29.9	19.1	13.6	8.2	2.7	0.0	0.0
70°	3914.2	2196.6	54.4	35.4	27.2	16.3	10.9	5.4	0.0	0.0	0.0
72.5°	3067.7	1573.3	43.6	32.7	24.5	16.3	10.9	2.7	0.0	0.0	0.0
75°	2049.6	890.1	38.1	27.2	19.1	13.6	8.2	2.7	0.0	0.0	0.0
77.5°	1113.3	400.1	32.7	24.5	16.3	10.9	8.2	2.7	0.0	0.0	0.0
80°	362.0	157.9	27.2	21.8	16.3	10.9	8.2	2.7	0.0	0.0	0.0
82.5°	98.0	49.0	27.2	21.8	16.3	10.9	8.2	2.7	0.0	0.0	0.0
85°	40.8	32.7	27.2	21.8	16.3	10.9	8.2	2.7	0.0	0.0	0.0
87.5°	16.3	10.9	10.9	13.6	10.9	8.2	5.4	2.7	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2
2.5°	759.4	764.9	767.6	767.6	781.2	794.8	811.1	824.8	824.8	832.9	841.1
5°	666.9	672.3	680.5	705.0	732.2	762.2	792.1	813.9	843.8	857.4	865.6
7.5°	590.7	596.1	617.9	642.4	680.5	732.2	783.9	832.9	862.9	876.5	887.4
10°	511.7	519.9	544.4	587.9	636.9	699.5	759.4	843.8	892.8	920.0	930.9
12.5°	397.4	419.2	451.8	498.1	560.7	656.0	767.6	854.7	939.1	971.7	993.5
15°	250.4	269.5	321.2	394.7	479.1	590.7	745.8	871.0	988.1	1020.7	1056.1
17.5°	160.6	163.3	179.6	258.6	367.5	509.0	713.2	895.5	1042.5	1088.8	1143.2
20°	136.1	141.5	144.3	155.2	245.0	419.2	645.1	925.5	1107.8	1170.4	1222.2
22.5°	114.3	117.0	122.5	130.7	147.0	304.9	552.6	925.5	1165.0	1257.5	1317.4
25°	92.5	98.0	103.4	111.6	127.9	190.5	457.3	909.1	1233.1	1347.4	1423.6
27.5°	81.7	81.7	87.1	95.3	108.9	133.4	362.0	860.1	1284.8	1401.8	1502.5
30°	70.8	73.5	76.2	84.4	98.0	117.0	250.4	781.2	1339.2	1508.0	1622.3
32.5°	62.6	62.6	68.0	73.5	87.1	106.2	160.6	661.4	1410.0	1589.6	1750.2
35°	57.2	57.2	59.9	65.3	78.9	95.3	125.2	560.7	1494.4	1744.8	1921.7
37.5°	51.7	51.7	54.4	59.9	70.8	84.4	114.3	481.8	1581.5	1899.9	2158.5
40°	46.3	46.3	49.0	54.4	62.6	76.2	103.4	389.2	1690.3	2128.6	2417.1
42.5°	40.8	40.8	43.6	49.0	57.2	68.0	89.8	291.3	1834.6	2376.3	2751.9
45°	35.4	35.4	38.1	43.6	49.0	62.6	81.7	223.2	1992.5	2651.2	3045.9
47.5°	29.9	32.7	35.4	40.8	46.3	57.2	73.5	196.0	2147.6	2942.4	3372.5
50°	27.2	27.2	29.9	35.4	43.6	51.7	68.0	193.3	2305.5	3165.6	3707.3
52.5°	24.5	24.5	27.2	32.7	40.8	49.0	65.3	198.7	2436.2	3372.5	3941.4
55°	21.8	21.8	24.5	27.2	35.4	46.3	59.9	204.1	2528.7	3582.1	4129.2
57.5°	19.1	19.1	21.8	27.2	32.7	40.8	54.4	209.6	2678.4	3789.0	4401.4
60°	13.6	13.6	19.1	24.5	29.9	35.4	51.7	215.0	2917.9	4074.8	4632.8
62.5°	8.2	8.2	10.9	19.1	24.5	32.7	46.3	204.1	3141.1	4442.3	4986.6
65°	2.7	5.4	8.2	10.9	19.1	27.2	38.1	185.1	3329.0	4809.7	5313.3
67.5°	0.0	0.0	2.7	8.2	16.3	21.8	32.7	136.1	3358.9	4975.8	5648.1
70°	0.0	0.0	2.7	8.2	13.6	21.8	29.9	76.2	2860.8	4445.0	5177.2
72.5°	0.0	0.0	0.0	5.4	13.6	19.1	27.2	57.2	2109.5	3350.7	4091.1
75°	0.0	0.0	0.0	2.7	10.9	16.3	24.5	43.6	1282.0	2234.7	2670.2
77.5°	0.0	0.0	0.0	2.7	8.2	16.3	24.5	38.1	451.8	1064.3	1254.8
80°	0.0	0.0	0.0	5.4	10.9	16.3	21.8	32.7	108.9	266.8	359.3
82.5°	0.0	0.0	0.0	2.7	8.2	13.6	19.1	27.2	43.6	78.9	125.2
85°	0.0	0.0	0.0	2.7	5.4	13.6	19.1	24.5	29.9	38.1	54.4
87.5°	0.0	0.0	0.0	0.0	2.7	5.4	8.2	10.9	10.9	10.9	19.1
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2	830.2
2.5°	838.4	849.3	854.7	865.6	871.0	868.3	865.6	873.8	868.3	860.1
5°	868.3	868.3	876.5	879.2	879.2	871.0	876.5	873.8	868.3	868.3
7.5°	901.0	914.6	914.6	898.2	895.5	890.1	890.1	868.3	860.1	868.3
10°	933.6	944.5	947.2	928.2	903.7	892.8	879.2	852.0	838.4	843.8
12.5°	1001.7	1001.7	971.7	950.0	917.3	879.2	846.5	808.4	789.4	794.8
15°	1050.7	1061.6	1020.7	971.7	914.6	843.8	808.4	778.5	767.6	759.4
17.5°	1145.9	1124.2	1058.8	988.1	906.4	832.9	808.4	781.2	773.0	773.0
20°	1227.6	1216.7	1118.7	990.8	903.7	854.7	838.4	824.8	822.0	813.9
22.5°	1339.2	1290.2	1165.0	1020.7	933.6	890.1	884.6	898.2	890.1	884.6
25°	1423.6	1382.8	1200.4	1064.3	979.9	966.3	974.5	988.1	966.3	958.1
27.5°	1537.9	1461.7	1268.4	1121.5	1042.5	1056.1	1083.3	1086.1	1072.5	1080.6
30°	1644.1	1562.4	1320.2	1186.8	1148.7	1162.3	1203.1	1233.1	1214.0	1203.1
32.5°	1796.5	1671.3	1423.6	1295.7	1282.0	1317.4	1363.7	1382.8	1358.3	1352.8
35°	1957.1	1796.5	1529.7	1418.1	1442.6	1491.6	1532.5	1565.1	1527.0	1543.4
37.5°	2207.5	1997.9	1709.4	1611.4	1622.3	1641.3	1717.6	1807.4	1826.4	1793.8
40°	2468.8	2215.7	1875.4	1799.2	1823.7	1875.4	1965.3	2049.6	2093.2	2049.6
42.5°	2771.0	2425.3	2131.3	2041.5	2066.0	2139.5	2259.2	2327.3	2321.8	2256.5
45°	3143.9	2716.5	2370.8	2259.2	2349.1	2414.4	2534.2	2542.3	2490.6	2474.3
47.5°	3429.7	2961.5	2629.4	2558.6	2681.1	2683.9	2711.1	2713.8	2656.6	2637.6
50°	3745.4	3244.6	2917.9	2814.5	3021.4	2926.1	2852.6	2803.6	2716.5	2675.7
52.5°	4055.7	3446.0	3184.7	3078.5	3293.6	3040.4	2907.1	2757.4	2629.4	2585.9
55°	4221.8	3778.1	3573.9	3326.2	3353.5	3073.1	2738.3	2550.5	2332.7	2321.8
57.5°	4417.8	4001.3	3903.3	3495.0	3252.8	2844.5	2387.2	2139.5	1905.4	1878.2
60°	4649.1	4355.1	4251.7	3467.8	2896.2	2389.9	1891.8	1573.3	1352.8	1333.8
62.5°	4907.7	4774.3	4466.7	3201.0	2300.1	1682.2	1249.4	982.6	778.5	767.6
65°	5316.0	5125.5	4581.1	2694.7	1521.6	1077.9	830.2	636.9	514.5	509.0
67.5°	5571.9	5258.8	4325.2	1921.7	843.8	713.2	582.5	462.7	356.6	334.8
70°	5209.8	4826.0	3421.5	1099.7	490.0	541.7	449.1	310.3	245.0	239.5
72.5°	4161.9	3582.1	2302.8	517.2	304.9	424.6	326.6	209.6	147.0	141.5
75°	2839.0	2253.8	1445.4	239.5	215.0	310.3	239.5	122.5	103.4	103.4
77.5°	1268.4	1148.7	740.4	147.0	160.6	236.8	138.8	84.4	76.2	73.5
80°	386.5	405.6	302.1	100.7	119.8	179.6	84.4	57.2	46.3	43.6
82.5°	130.7	152.4	136.1	59.9	81.7	127.9	57.2	38.1	32.7	32.7
85°	62.6	76.2	68.0	38.1	43.6	62.6	46.3	29.9	19.1	19.1
87.5°	24.5	35.4	24.5	16.3	24.5	32.7	19.1	13.6	5.4	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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