

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: P673084

Luminaire Tested: **CCP-SA-2E-722-U-T2-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673084
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-T2-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2 distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

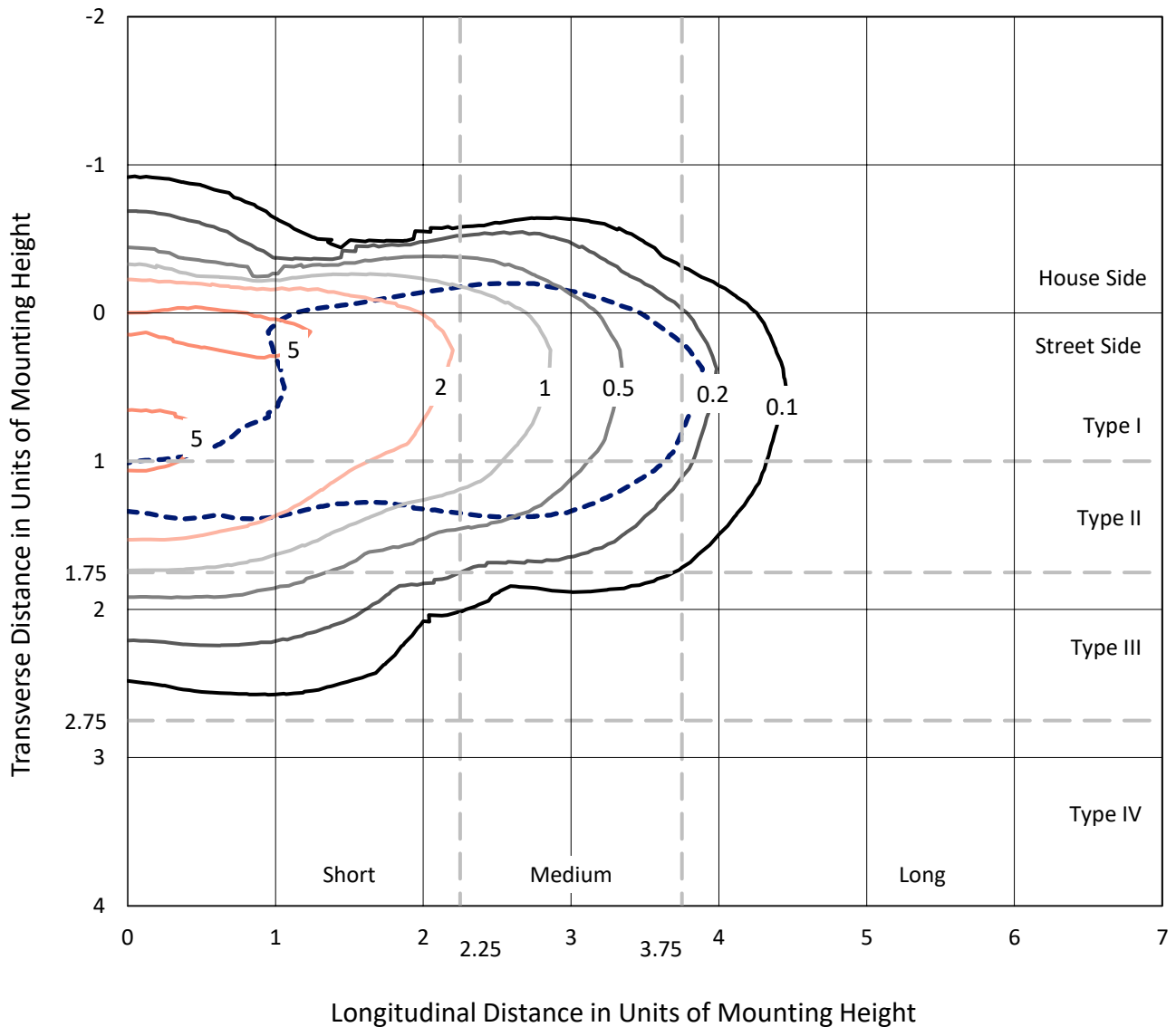
Lumens per Lamp: N/A
Luminaire Lumens: 7775.7 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

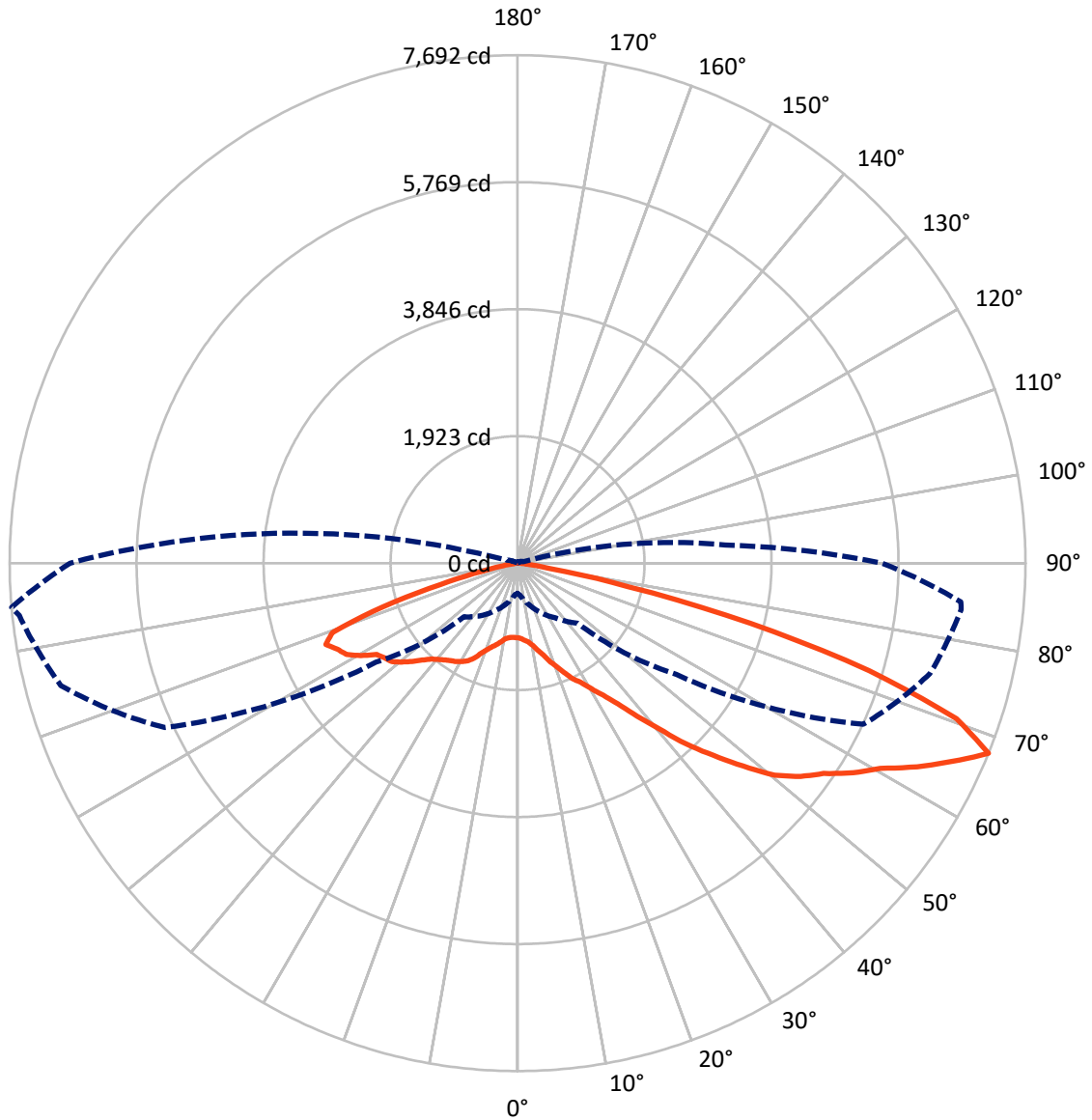
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 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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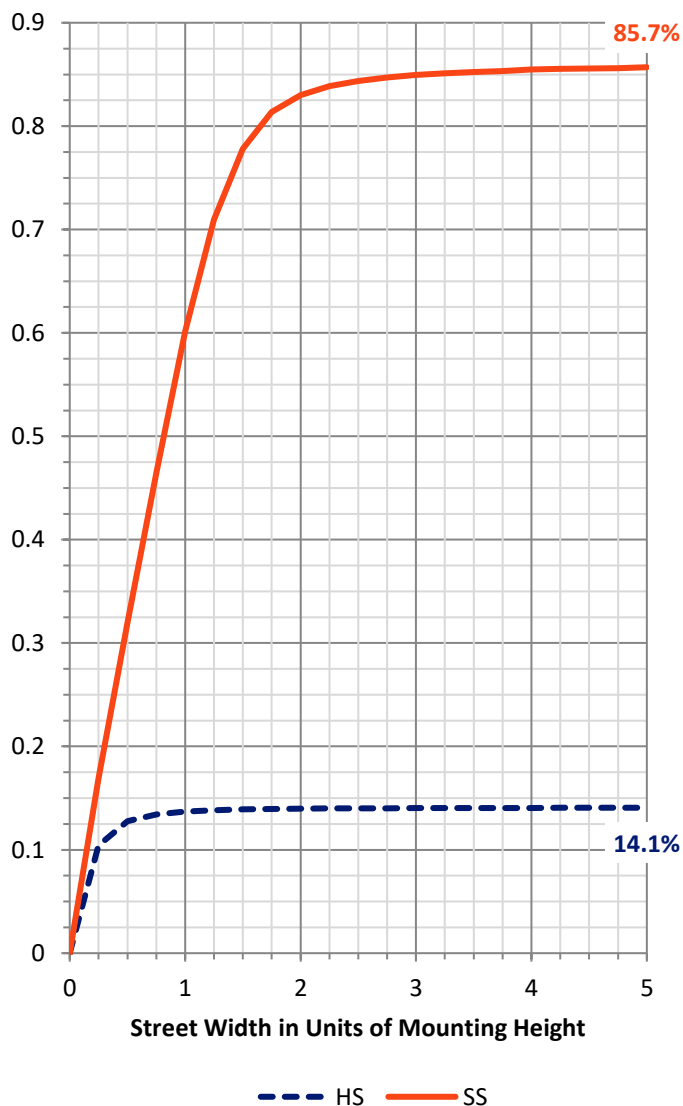
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1104.7	0.0	1104.7
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	6671.0	0.0	6671.0
	% Fixture	85.8	0.0	85.8
Total	Lumens	7775.7	0.0	7775.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	1.3
10°-20°	277.2	3.6
20°-30°	460.4	5.9
30°-40°	792.1	10.2
40°-50°	1423.5	18.3
50°-60°	2026.5	26.1
60°-70°	1847.5	23.8
70°-80°	786.7	10.1
80°-90°	58.6	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°	7775.7	100.0
0°-180°	7775.7	100.0



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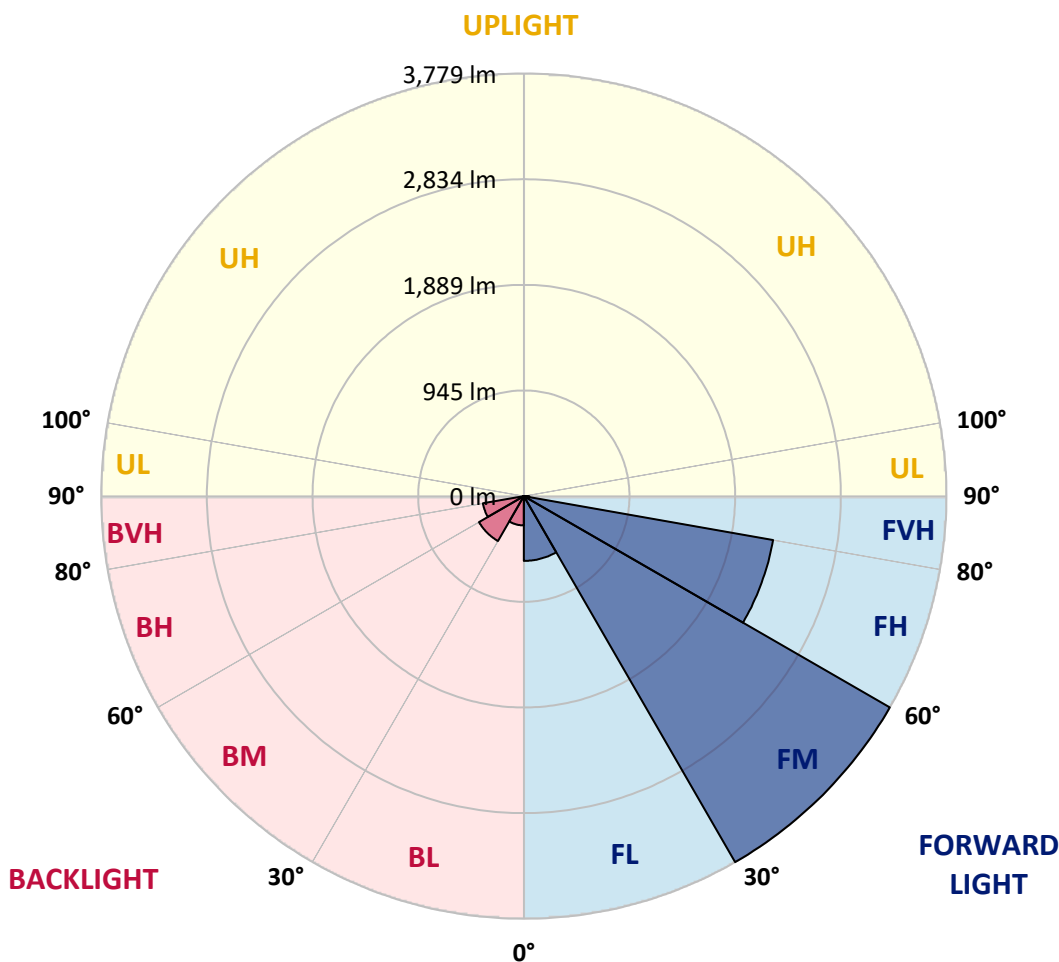
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	579.3	7.4			
FM (30°-60°)	3779.0	48.6			
FH (60°-80°)	2263.0	29.1			G2/5000
FVH (80°-90°)	49.7	0.6			G1/100
BL (0°-30°)	261.5	3.4	B1/500		
BM (30°-60°)	463.1	6.0	B1/1000		
BH (60°-80°)	371.2	4.8	B1/500		G1/500
BVH (80°-90°)	8.8	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7
2.5°	1171.5	1182.6	1182.6	1178.9	1167.8	1160.3	1156.6	1149.2	1141.8	1141.8	1145.5
5°	1182.6	1171.5	1186.3	1167.8	1167.8	1167.8	1182.6	1175.2	1171.5	1152.9	1152.9
7.5°	1182.6	1171.5	1171.5	1182.6	1171.5	1178.9	1197.4	1190.0	1204.8	1171.5	1178.9
10°	1149.2	1145.5	1152.9	1167.8	1171.5	1186.3	1204.8	1241.9	1245.6	1223.4	1219.7
12.5°	1082.5	1078.8	1104.7	1112.2	1156.6	1193.7	1249.3	1279.0	1312.3	1301.2	1279.0
15°	1034.3	1041.7	1060.3	1089.9	1130.7	1197.4	1260.4	1327.2	1386.5	1371.7	1364.2
17.5°	1052.8	1049.1	1052.8	1071.4	1123.3	1190.0	1297.5	1375.4	1460.6	1460.6	1468.0
20°	1108.4	1119.6	1115.9	1104.7	1130.7	1186.3	1297.5	1434.7	1575.6	1564.4	1564.4
22.5°	1204.8	1208.5	1186.3	1178.9	1175.2	1208.5	1319.8	1508.8	1671.9	1694.2	1686.8
25°	1304.9	1308.6	1301.2	1279.0	1249.3	1256.7	1360.5	1568.1	1805.4	1842.5	1835.1
27.5°	1471.8	1468.0	1449.5	1423.6	1379.1	1345.7	1423.6	1612.6	1909.2	1972.2	1953.7
30°	1638.6	1627.5	1601.5	1568.1	1527.4	1464.3	1501.4	1697.9	2039.0	2098.3	2057.5
32.5°	1842.5	1820.2	1827.6	1775.7	1690.5	1590.4	1583.0	1775.7	2142.8	2228.0	2194.7
35°	2102.0	2076.0	2039.0	1990.8	1909.2	1775.7	1735.0	1901.8	2317.0	2380.0	2380.0
37.5°	2443.0	2469.0	2424.5	2224.3	2135.3	2009.3	1924.0	2031.5	2469.0	2621.0	2583.9
40°	2791.5	2813.8	2732.2	2583.9	2391.1	2235.4	2183.5	2242.8	2698.8	2880.5	2810.0
42.5°	3073.3	3102.9	3073.3	2880.5	2728.5	2528.3	2435.6	2491.2	2995.4	3214.1	3121.5
45°	3369.8	3399.5	3366.1	3240.1	3091.8	2976.9	2743.3	2813.8	3306.8	3633.0	3529.2
47.5°	3592.3	3629.3	3570.0	3544.1	3425.4	3406.9	3010.2	3088.1	3633.0	4055.7	3925.9
50°	3644.2	3684.9	3736.8	3766.5	3725.7	3770.2	3369.8	3436.6	3974.1	4444.9	4318.9
52.5°	3521.8	3562.6	3677.5	3814.7	4003.8	4137.2	3733.1	3788.7	4330.0	4767.4	4700.7
55°	3162.2	3199.3	3432.9	3618.2	4070.5	4289.2	4081.6	4315.2	4585.8	5104.8	4941.7
57.5°	2558.0	2602.4	2910.1	3195.6	3848.1	4204.0	4289.2	4752.6	5008.4	5353.2	5164.1
60°	1816.5	1842.5	2109.4	2613.6	3232.7	3777.6	4248.4	5078.8	5342.1	5686.8	5586.7
62.5°	1045.4	1067.7	1345.7	1820.2	2439.3	3154.8	4066.8	5386.5	5701.7	6053.8	5998.2
65°	693.2	700.7	889.7	1149.2	1586.7	2324.4	3607.1	5660.9	6057.5	6346.7	6283.7
67.5°	456.0	496.8	645.1	823.0	1015.8	1286.4	2939.8	5775.8	6465.3	6754.5	6739.7
70°	326.2	341.1	463.4	633.9	763.7	722.9	1720.1	4963.9	6446.8	6865.7	6743.4
72.5°	192.8	207.6	307.7	474.5	600.6	459.7	804.5	3510.7	5342.1	5479.2	5445.9
75°	140.9	140.9	189.1	341.1	437.4	329.9	378.1	2220.6	3547.8	3851.8	3848.1
77.5°	100.1	103.8	129.8	203.9	337.4	241.0	207.6	1234.5	1938.9	2120.5	2020.4
80°	59.3	63.0	89.0	122.3	244.7	174.2	137.2	563.5	745.1	752.6	715.5
82.5°	44.5	44.5	59.3	85.3	170.5	118.6	85.3	215.0	241.0	218.7	185.4
85°	26.0	22.2	44.5	63.0	100.1	66.7	59.3	100.1	111.2	81.6	74.1
87.5°	7.4	7.4	18.5	22.2	44.5	37.1	26.0	37.1	51.9	29.7	22.2
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°	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7
2.5°	1138.1	1127.0	1108.4	1101.0	1075.1	1064.0	1056.5	1038.0	1041.7	1030.6	1030.6
5°	1127.0	1127.0	1089.9	1049.1	1008.4	982.4	952.7	915.7	915.7	900.8	904.6
7.5°	1167.8	1138.1	1089.9	1015.8	949.0	889.7	863.8	826.7	804.5	793.3	793.3
10°	1193.7	1164.1	1082.5	993.5	908.3	834.1	778.5	726.6	697.0	697.0	693.2
12.5°	1264.2	1219.7	1112.2	989.8	863.8	752.6	667.3	608.0	567.2	537.5	545.0
15°	1323.5	1275.3	1127.0	960.2	785.9	630.2	526.4	415.2	359.6	329.9	318.8
17.5°	1416.1	1327.2	1160.3	908.3	667.3	493.1	341.1	248.4	226.1	222.4	222.4
20°	1494.0	1390.2	1164.1	808.2	548.7	315.1	218.7	203.9	192.8	189.1	185.4
22.5°	1601.5	1471.8	1149.2	693.2	393.0	211.3	185.4	170.5	163.1	152.0	152.0
25°	1712.7	1579.3	1119.6	585.7	241.0	181.7	163.1	148.3	133.5	126.0	129.8
27.5°	1831.4	1660.8	1034.3	456.0	185.4	159.4	133.5	122.3	114.9	111.2	111.2
30°	1927.7	1712.7	908.3	304.0	166.8	140.9	118.6	107.5	100.1	96.4	96.4
32.5°	1998.2	1757.2	767.4	203.9	152.0	126.0	107.5	96.4	89.0	85.3	85.3
35°	2116.8	1790.6	637.6	174.2	137.2	111.2	92.7	85.3	77.9	77.9	77.9
37.5°	2298.5	1835.1	507.9	159.4	126.0	100.1	89.0	77.9	74.1	70.4	70.4
40°	2457.9	1890.7	363.3	144.6	114.9	92.7	77.9	70.4	66.7	63.0	63.0
42.5°	2687.7	1953.7	237.3	129.8	103.8	85.3	70.4	63.0	59.3	55.6	55.6
45°	2980.6	2057.5	185.4	114.9	92.7	77.9	66.7	59.3	51.9	51.9	48.2
47.5°	3292.0	2183.5	166.8	107.5	85.3	70.4	59.3	51.9	48.2	44.5	44.5
50°	3581.1	2305.9	155.7	100.1	77.9	66.7	55.6	48.2	40.8	37.1	37.1
52.5°	3840.6	2420.8	148.3	92.7	74.1	59.3	48.2	40.8	37.1	33.4	33.4
55°	3977.8	2472.7	144.6	89.0	66.7	55.6	44.5	37.1	33.4	29.7	29.7
57.5°	4192.8	2539.4	140.9	85.3	63.0	48.2	40.8	33.4	29.7	26.0	26.0
60°	4541.3	2758.1	137.2	81.6	59.3	48.2	37.1	29.7	22.2	18.5	18.5
62.5°	4830.5	2939.8	122.3	70.4	51.9	40.8	29.7	22.2	14.8	11.1	11.1
65°	5160.4	3025.1	107.5	63.0	44.5	33.4	22.2	14.8	11.1	3.7	3.7
67.5°	5520.0	3154.8	89.0	55.6	40.8	26.0	18.5	11.1	3.7	0.0	0.0
70°	5330.9	2991.7	74.1	48.2	37.1	22.2	14.8	7.4	0.0	0.0	0.0
72.5°	4178.0	2142.8	59.3	44.5	33.4	22.2	14.8	3.7	0.0	0.0	0.0
75°	2791.5	1212.3	51.9	37.1	26.0	18.5	11.1	3.7	0.0	0.0	0.0
77.5°	1516.2	545.0	44.5	33.4	22.2	14.8	11.1	3.7	0.0	0.0	0.0
80°	493.1	215.0	37.1	29.7	22.2	14.8	11.1	3.7	0.0	0.0	0.0
82.5°	133.5	66.7	37.1	29.7	22.2	14.8	11.1	3.7	0.0	0.0	0.0
85°	55.6	44.5	37.1	29.7	22.2	14.8	11.1	3.7	0.0	0.0	0.0
87.5°	22.2	14.8	14.8	18.5	14.8	11.1	7.4	3.7	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°	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7
2.5°	1034.3	1041.7	1045.4	1045.4	1064.0	1082.5	1104.7	1123.3	1123.3	1134.4	1145.5
5°	908.3	915.7	926.8	960.2	997.2	1038.0	1078.8	1108.4	1149.2	1167.8	1178.9
7.5°	804.5	811.9	841.5	874.9	926.8	997.2	1067.7	1134.4	1175.2	1193.7	1208.5
10°	697.0	708.1	741.4	800.8	867.5	952.7	1034.3	1149.2	1216.0	1253.0	1267.9
12.5°	541.2	570.9	615.4	678.4	763.7	893.4	1045.4	1164.1	1279.0	1323.5	1353.1
15°	341.1	367.0	437.4	537.5	652.5	804.5	1015.8	1186.3	1345.7	1390.2	1438.4
17.5°	218.7	222.4	244.7	352.2	500.5	693.2	971.3	1219.7	1419.9	1482.9	1557.0
20°	185.4	192.8	196.5	211.3	333.6	570.9	878.6	1260.4	1508.8	1594.1	1664.5
22.5°	155.7	159.4	166.8	177.9	200.2	415.2	752.6	1260.4	1586.7	1712.7	1794.3
25°	126.0	133.5	140.9	152.0	174.2	259.5	622.8	1238.2	1679.4	1835.1	1938.9
27.5°	111.2	111.2	118.6	129.8	148.3	181.7	493.1	1171.5	1749.8	1909.2	2046.4
30°	96.4	100.1	103.8	114.9	133.5	159.4	341.1	1064.0	1823.9	2053.8	2209.5
32.5°	85.3	85.3	92.7	100.1	118.6	144.6	218.7	900.8	1920.3	2165.0	2383.7
35°	77.9	77.9	81.6	89.0	107.5	129.8	170.5	763.7	2035.2	2376.3	2617.3
37.5°	70.4	70.4	74.1	81.6	96.4	114.9	155.7	656.2	2153.9	2587.6	2939.8
40°	63.0	63.0	66.7	74.1	85.3	103.8	140.9	530.1	2302.2	2899.0	3292.0
42.5°	55.6	55.6	59.3	66.7	77.9	92.7	122.3	396.7	2498.6	3236.4	3748.0
45°	48.2	48.2	51.9	59.3	66.7	85.3	111.2	304.0	2713.7	3610.8	4148.3
47.5°	40.8	44.5	48.2	55.6	63.0	77.9	100.1	266.9	2925.0	4007.5	4593.2
50°	37.1	37.1	40.8	48.2	59.3	70.4	92.7	263.2	3140.0	4311.5	5049.2
52.5°	33.4	33.4	37.1	44.5	55.6	66.7	89.0	270.6	3317.9	4593.2	5368.0
55°	29.7	29.7	33.4	37.1	48.2	63.0	81.6	278.0	3444.0	4878.7	5623.8
57.5°	26.0	26.0	29.7	37.1	44.5	55.6	74.1	285.5	3647.9	5160.4	5994.5
60°	18.5	18.5	26.0	33.4	40.8	48.2	70.4	292.9	3974.1	5549.7	6309.6
62.5°	11.1	11.1	14.8	26.0	33.4	44.5	63.0	278.0	4278.1	6050.1	6791.6
65°	3.7	7.4	11.1	14.8	26.0	37.1	51.9	252.1	4533.9	6550.6	7236.4
67.5°	0.0	0.0	3.7	11.1	22.2	29.7	44.5	185.4	4574.7	6776.7	7692.4
70°	0.0	0.0	3.7	11.1	18.5	29.7	40.8	103.8	3896.3	6053.8	7051.1
72.5°	0.0	0.0	0.0	7.4	18.5	26.0	37.1	77.9	2873.1	4563.5	5571.9
75°	0.0	0.0	0.0	3.7	14.8	22.2	33.4	59.3	1746.1	3043.6	3636.8
77.5°	0.0	0.0	0.0	3.7	11.1	22.2	33.4	51.9	615.4	1449.5	1709.0
80°	0.0	0.0	0.0	7.4	14.8	22.2	29.7	44.5	148.3	363.3	489.3
82.5°	0.0	0.0	0.0	3.7	11.1	18.5	26.0	37.1	59.3	107.5	170.5
85°	0.0	0.0	0.0	3.7	7.4	18.5	26.0	33.4	40.8	51.9	74.1
87.5°	0.0	0.0	0.0	0.0	3.7	7.4	11.1	14.8	14.8	14.8	26.0
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7	1130.7
2.5°	1141.8	1156.6	1164.1	1178.9	1186.3	1182.6	1178.9	1190.0	1182.6	1171.5
5°	1182.6	1182.6	1193.7	1197.4	1197.4	1186.3	1193.7	1190.0	1182.6	1182.6
7.5°	1227.1	1245.6	1245.6	1223.4	1219.7	1212.3	1212.3	1182.6	1171.5	1182.6
10°	1271.6	1286.4	1290.1	1264.2	1230.8	1216.0	1197.4	1160.3	1141.8	1149.2
12.5°	1364.2	1364.2	1323.5	1293.8	1249.3	1197.4	1152.9	1101.0	1075.1	1082.5
15°	1431.0	1445.8	1390.2	1323.5	1245.6	1149.2	1101.0	1060.3	1045.4	1034.3
17.5°	1560.7	1531.1	1442.1	1345.7	1234.5	1134.4	1101.0	1064.0	1052.8	1052.8
20°	1671.9	1657.1	1523.7	1349.4	1230.8	1164.1	1141.8	1123.3	1119.6	1108.4
22.5°	1823.9	1757.2	1586.7	1390.2	1271.6	1212.3	1204.8	1223.4	1212.3	1204.8
25°	1938.9	1883.3	1634.9	1449.5	1334.6	1316.1	1327.2	1345.7	1316.1	1304.9
27.5°	2094.6	1990.8	1727.5	1527.4	1419.9	1438.4	1475.5	1479.2	1460.6	1471.8
30°	2239.1	2127.9	1798.0	1616.3	1564.4	1583.0	1638.6	1679.4	1653.4	1638.6
32.5°	2446.7	2276.2	1938.9	1764.6	1746.1	1794.3	1857.3	1883.3	1849.9	1842.5
35°	2665.5	2446.7	2083.4	1931.4	1964.8	2031.5	2087.1	2131.6	2079.7	2102.0
37.5°	3006.5	2721.1	2328.1	2194.7	2209.5	2235.4	2339.2	2461.6	2487.5	2443.0
40°	3362.4	3017.7	2554.3	2450.5	2483.8	2554.3	2676.6	2791.5	2850.8	2791.5
42.5°	3773.9	3303.1	2902.7	2780.4	2813.8	2913.8	3077.0	3169.6	3162.2	3073.3
45°	4281.8	3699.8	3229.0	3077.0	3199.3	3288.3	3451.4	3462.5	3392.1	3369.8
47.5°	4671.1	4033.4	3581.1	3484.8	3651.6	3655.3	3692.4	3696.1	3618.2	3592.3
50°	5101.1	4419.0	3974.1	3833.2	4115.0	3985.2	3885.1	3818.4	3699.8	3644.2
52.5°	5523.7	4693.3	4337.4	4192.8	4485.7	4140.9	3959.3	3755.4	3581.1	3521.8
55°	5749.8	5145.6	4867.5	4530.2	4567.3	4185.4	3729.4	3473.6	3177.1	3162.2
57.5°	6016.8	5449.6	5316.1	4760.0	4430.1	3874.0	3251.2	2913.8	2595.0	2558.0
60°	6331.9	5931.5	5790.6	4723.0	3944.4	3254.9	2576.5	2142.8	1842.5	1816.5
62.5°	6684.1	6502.4	6083.5	4359.7	3132.6	2291.0	1701.6	1338.3	1060.3	1045.4
65°	7240.1	6980.6	6239.2	3670.1	2072.3	1468.0	1130.7	867.5	700.7	693.2
67.5°	7588.6	7162.3	5890.7	2617.3	1149.2	971.3	793.3	630.2	485.6	456.0
70°	7095.6	6572.8	4659.9	1497.7	667.3	737.7	611.7	422.6	333.6	326.2
72.5°	5668.3	4878.7	3136.3	704.4	415.2	578.3	444.9	285.5	200.2	192.8
75°	3866.6	3069.6	1968.5	326.2	292.9	422.6	326.2	166.8	140.9	140.9
77.5°	1727.5	1564.4	1008.4	200.2	218.7	322.5	189.1	114.9	103.8	100.1
80°	526.4	552.4	411.5	137.2	163.1	244.7	114.9	77.9	63.0	59.3
82.5°	177.9	207.6	185.4	81.6	111.2	174.2	77.9	51.9	44.5	44.5
85°	85.3	103.8	92.7	51.9	59.3	85.3	63.0	40.8	26.0	26.0
87.5°	33.4	48.2	33.4	22.2	33.4	44.5	26.0	18.5	7.4	7.4
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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