

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: P676123

Luminaire Tested: **CCW-SA-1E-735-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676123
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-735-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T1 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

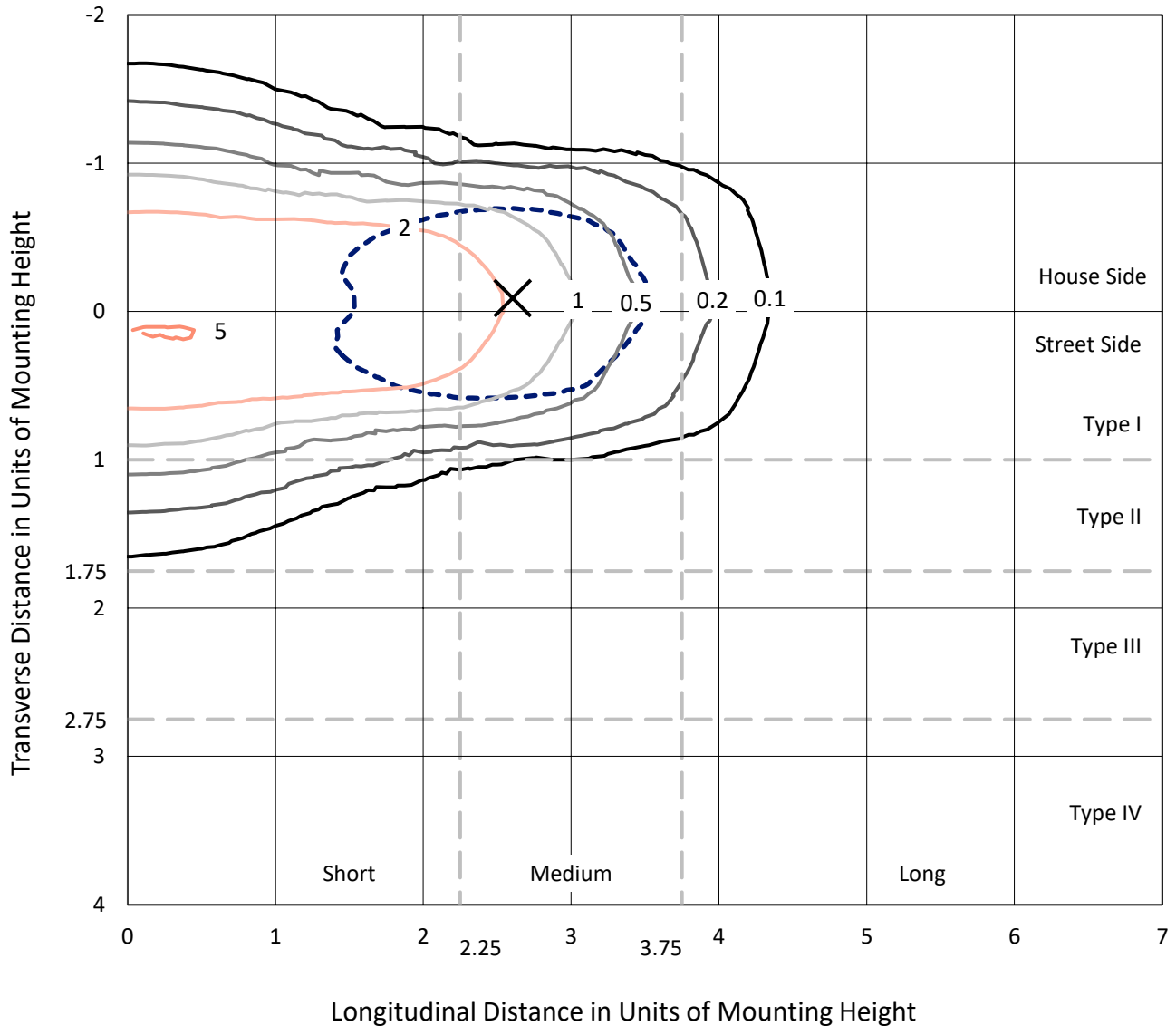
Lumens per Lamp: N/A
Luminaire Lumens: 6566.5 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

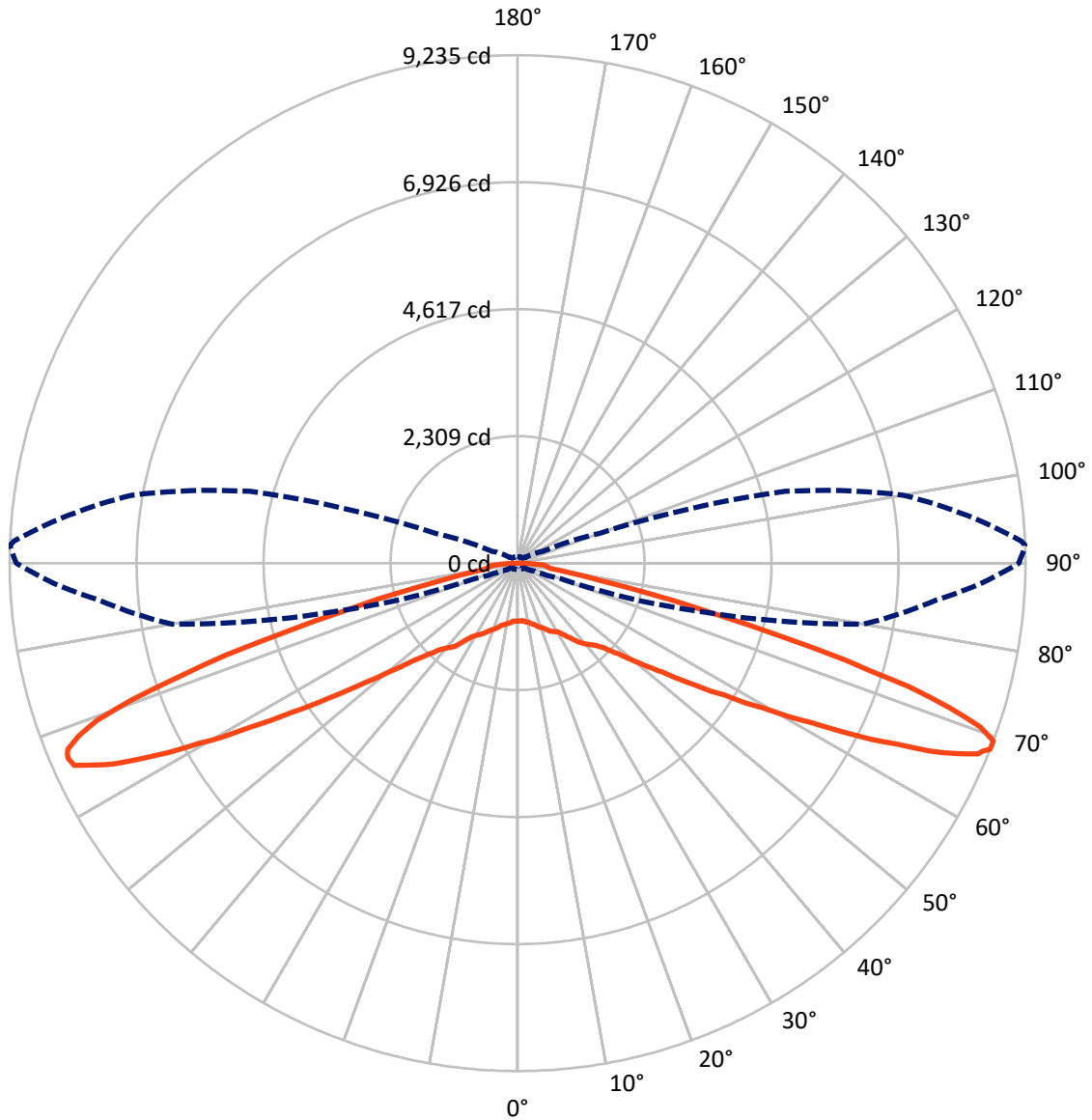
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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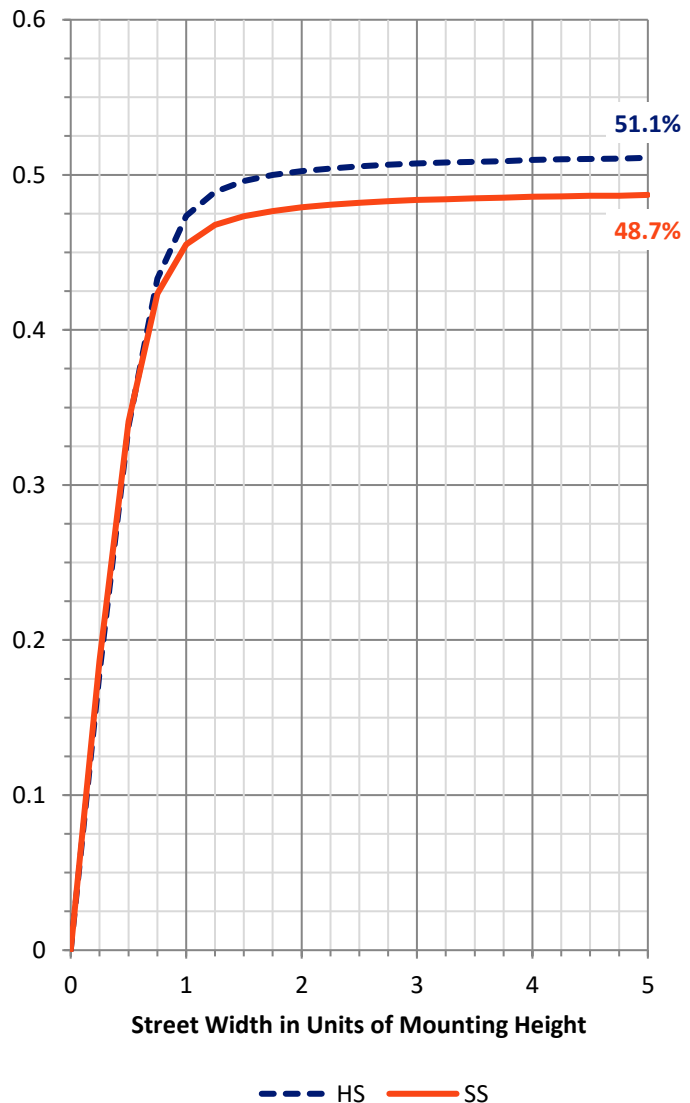
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3381.7	0.0	3381.7
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3184.9	0.0	3184.9
	% Fixture	48.5	0.0	48.5
Total	Lumens	6566.5	0.0	6566.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	1.6
10°-20°	340.6	5.2
20°-30°	581.3	8.9
30°-40°	811.7	12.4
40°-50°	1032.5	15.7
50°-60°	1305.5	19.9
60°-70°	1610.1	24.5
70°-80°	703.3	10.7
80°-90°	76.3	1.2
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°	6566.5	100.0
0°-180°	6566.5	100.0



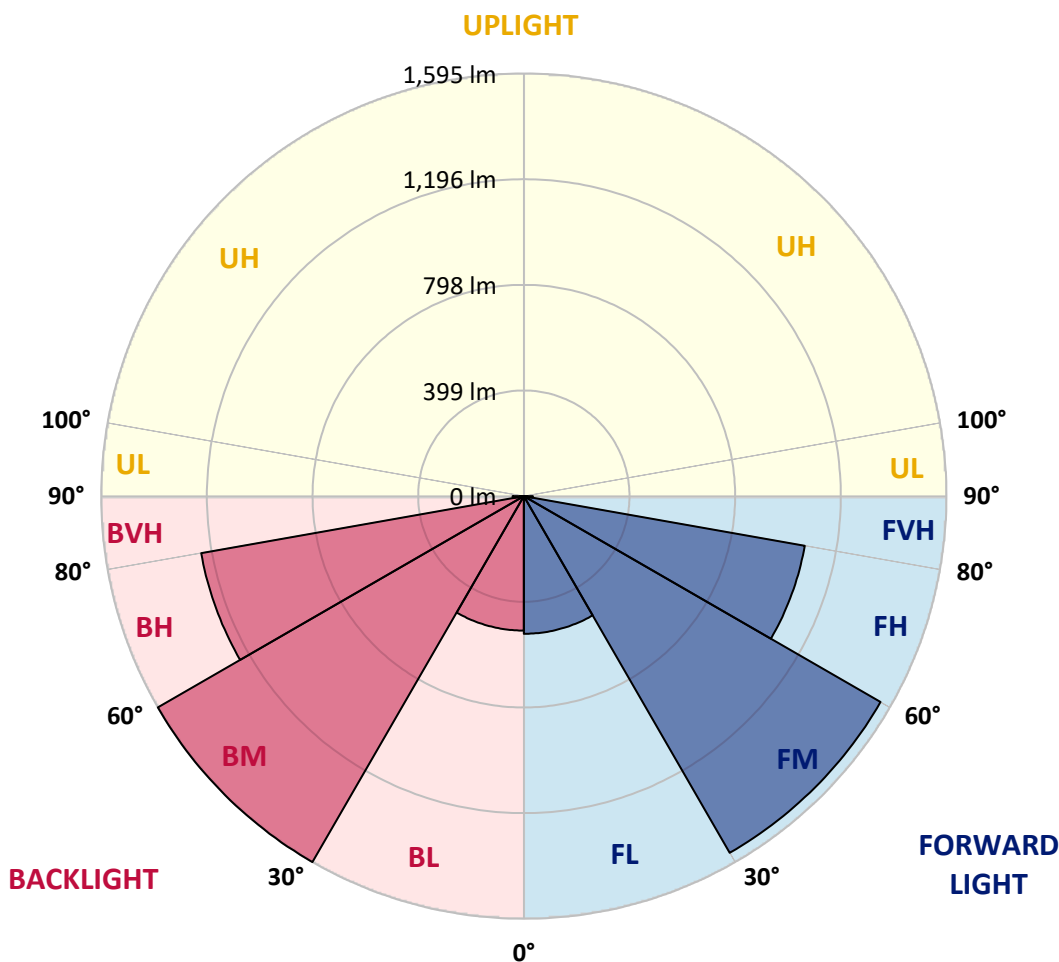
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	519.7	7.9			
FM (30°-60°)	1554.6	23.7			
FH (60°-80°)	1076.8	16.4			G1/1800
FVH (80°-90°)	33.8	0.5			G1/100
BL (0°-30°)	507.5	7.7	B2/1000		
BM (30°-60°)	1595.2	24.3	B2/2500		
BH (60°-80°)	1236.6	18.8	B3/2500		G3/2500
BVH (80°-90°)	42.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1072.2	1071.0	1074.7	1077.2	1066.1	1069.8	1067.3	1064.8	1056.2	1052.5	1045.1
5°	1101.8	1105.5	1117.8	1106.7	1111.7	1105.5	1085.8	1091.9	1080.9	1078.4	1071.0
7.5°	1153.6	1146.2	1163.4	1151.1	1154.8	1142.5	1133.9	1122.8	1120.3	1103.0	1104.3
10°	1164.7	1179.5	1186.8	1184.4	1186.8	1193.0	1177.0	1159.7	1136.3	1131.4	1114.1
12.5°	1157.3	1170.8	1190.5	1206.6	1217.7	1220.1	1214.0	1210.3	1200.4	1172.1	1170.8
15°	1149.9	1140.0	1152.3	1207.8	1244.8	1269.4	1278.0	1257.1	1259.6	1222.6	1207.8
17.5°	1100.6	1085.8	1133.9	1188.1	1233.7	1287.9	1329.8	1323.6	1323.6	1294.1	1273.1
20°	1035.3	1059.9	1084.6	1153.6	1237.4	1318.7	1398.8	1395.1	1380.3	1371.7	1326.1
22.5°	979.8	990.9	1036.5	1109.2	1214.0	1327.3	1422.2	1490.0	1455.5	1421.0	1393.9
25°	941.6	931.7	989.7	1064.8	1191.8	1312.6	1466.6	1536.9	1555.3	1529.5	1477.7
27.5°	887.4	887.4	933.0	1004.4	1120.3	1305.2	1509.7	1617.0	1644.1	1605.9	1530.7
30°	825.7	833.1	872.6	953.9	1067.3	1250.9	1527.0	1709.4	1731.6	1698.3	1620.7
32.5°	777.7	777.7	822.0	908.3	1030.3	1226.3	1515.9	1800.6	1842.5	1817.9	1737.7
35°	725.9	722.2	754.3	849.2	971.2	1178.2	1512.2	1873.3	1967.0	1968.2	1884.4
37.5°	652.0	666.8	707.4	782.6	924.3	1131.4	1501.1	1960.8	2128.4	2156.8	2098.9
40°	602.7	608.8	645.8	728.4	851.6	1075.9	1485.1	2032.3	2235.7	2333.0	2252.9
42.5°	531.2	539.8	568.2	670.5	781.4	997.0	1414.8	2082.8	2388.5	2499.4	2431.6
45°	456.0	460.9	502.8	586.6	706.2	903.4	1339.7	2164.2	2536.4	2763.1	2723.7
47.5°	366.0	368.5	404.2	491.7	616.2	809.7	1223.8	2160.5	2655.9	3026.9	3137.8
50°	285.9	292.1	319.2	390.7	507.8	695.1	1089.5	2130.9	2806.3	3327.6	3545.7
52.5°	228.0	229.2	246.5	303.2	391.9	580.5	945.3	2037.2	2948.0	3622.2	4046.1
55°	188.6	188.6	198.4	232.9	300.7	441.2	776.4	1881.9	2965.3	3947.5	4592.1
56°	181.2	178.7	187.3	216.9	271.1	398.1	697.6	1777.2	2989.9	4097.9	4865.7
57°	171.3	172.5	177.5	198.4	244.0	352.5	610.1	1674.9	2972.7	4221.1	5067.8
58°	166.4	163.9	173.8	187.3	215.7	313.0	549.7	1554.1	2945.5	4322.2	5362.4
59°	159.0	157.8	163.9	176.2	200.9	278.5	475.7	1423.5	2892.6	4452.8	5581.7
60°	156.5	155.3	157.8	167.6	184.9	244.0	419.0	1270.7	2750.8	4587.2	5854.1
61°	149.1	150.4	155.3	161.5	175.0	219.4	377.1	1114.1	2658.4	4700.6	6154.8
62°	150.4	147.9	150.4	155.3	165.1	202.1	330.3	960.1	2493.2	4828.7	6380.4
63°	143.0	141.7	145.4	151.6	156.5	182.4	288.4	829.4	2305.9	4858.3	6571.4
64°	140.5	139.3	140.5	149.1	150.4	171.3	255.1	708.7	2034.8	4908.8	6816.7
65°	134.3	134.3	136.8	140.5	145.4	161.5	228.0	615.0	1764.9	4775.7	6891.8
66°	129.4	130.6	130.6	136.8	140.5	150.4	209.5	522.6	1506.0	4563.7	6964.6
67°	125.7	125.7	126.9	131.9	135.6	141.7	188.6	452.3	1270.7	4311.1	6852.4
67.5°	123.2	124.5	124.5	129.4	133.1	141.7	179.9	428.9	1136.3	4033.8	6768.6
68°	119.5	120.8	120.8	125.7	129.4	136.8	173.8	391.9	1047.6	3853.9	6613.3
69°	117.1	115.8	115.8	120.8	125.7	130.6	161.5	342.6	833.1	3351.0	6386.5
70°	109.7	109.7	112.2	115.8	119.5	124.5	149.1	301.9	705.0	2774.2	5802.4
71°	106.0	104.8	106.0	109.7	113.4	119.5	136.8	267.4	576.8	2303.4	5228.0
72°	98.6	101.1	101.1	104.8	108.5	112.2	128.2	232.9	484.4	1841.3	4595.8
72.5°	97.4	97.4	98.6	102.3	104.8	110.9	123.2	223.1	442.4	1623.1	4330.8
73°	93.7	93.7	94.9	98.6	101.1	107.2	119.5	200.9	403.0	1444.4	3835.4
74°	90.0	88.7	88.7	93.7	94.9	101.1	112.2	177.5	337.7	1088.3	3078.7
75°	83.8	83.8	85.0	87.5	88.7	93.7	103.5	157.8	284.7	844.2	2408.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	69.0	70.2	71.5	73.9	73.9	77.6	85.0	109.7	173.8	427.7	1105.5
80°	50.5	53.0	56.7	60.4	59.2	59.2	66.6	78.9	103.5	192.3	424.0
82.5°	40.7	43.1	39.4	44.4	44.4	41.9	48.1	57.9	70.2	94.9	151.6
85°	27.1	28.3	23.4	27.1	25.9	25.9	32.0	34.5	43.1	53.0	75.2
87.5°	12.3	12.3	9.9	11.1	11.1	11.1	16.0	12.3	18.5	25.9	44.4
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):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1052.5	1057.4	1057.4	1052.5	1048.8	1052.5	1050.0	1043.9	1050.0	1052.5	1053.7
5°	1067.3	1057.4	1062.4	1051.3	1058.7	1057.4	1055.0	1061.1	1062.4	1062.4	1071.0
7.5°	1083.3	1095.6	1079.6	1080.9	1084.6	1069.8	1074.7	1077.2	1072.2	1082.1	1089.5
10°	1111.7	1116.6	1111.7	1093.2	1105.5	1095.6	1091.9	1103.0	1100.6	1103.0	1114.1
12.5°	1137.5	1146.2	1132.6	1131.4	1125.2	1116.6	1121.5	1120.3	1137.5	1140.0	1153.6
15°	1190.5	1168.4	1163.4	1162.2	1159.7	1156.0	1158.5	1159.7	1181.9	1185.6	1217.7
17.5°	1236.1	1232.4	1205.3	1215.2	1215.2	1200.4	1194.2	1215.2	1232.4	1250.9	1273.1
20°	1283.0	1279.3	1249.7	1250.9	1239.8	1253.4	1246.0	1265.7	1295.3	1301.5	1321.2
22.5°	1338.4	1322.4	1301.5	1303.9	1307.6	1297.8	1292.8	1319.9	1349.5	1366.8	1368.0
25°	1425.9	1385.3	1368.0	1370.5	1365.6	1358.2	1361.9	1396.4	1411.2	1448.1	1440.7
27.5°	1472.8	1449.4	1437.0	1408.7	1409.9	1398.8	1413.6	1465.4	1495.0	1523.3	1466.6
30°	1529.5	1514.7	1460.4	1450.6	1449.4	1444.4	1471.5	1538.1	1582.5	1598.5	1517.1
32.5°	1640.4	1581.2	1567.7	1559.0	1539.3	1545.5	1559.0	1646.5	1716.8	1713.1	1564.0
35°	1767.3	1726.7	1688.5	1681.1	1678.6	1661.3	1684.8	1787.0	1841.3	1825.3	1581.2
37.5°	1970.7	1909.1	1857.3	1829.0	1824.0	1811.7	1867.2	1948.5	2018.7	1955.9	1594.8
40°	2070.5	2001.5	1953.4	1936.2	1939.9	1957.1	2011.4	2135.8	2166.6	2050.8	1605.9
42.5°	2213.5	2138.3	2043.4	2034.8	2023.7	2032.3	2137.1	2304.7	2330.6	2179.0	1564.0
45°	2467.4	2354.0	2244.3	2195.0	2197.5	2220.9	2383.6	2567.2	2519.1	2267.7	1497.4
47.5°	2787.8	2621.4	2532.7	2466.1	2498.2	2472.3	2731.1	2877.8	2713.8	2379.9	1416.1
50°	3269.7	3036.7	2916.0	2835.9	2849.4	2871.6	3134.1	3258.6	2929.5	2434.1	1291.6
52.5°	3877.3	3577.8	3400.3	3293.1	3303.0	3351.0	3689.9	3651.7	3176.0	2479.7	1125.2
55°	4604.4	4296.3	3952.5	3908.1	3897.0	4011.6	4385.0	4063.4	3397.9	2407.0	952.7
56°	4988.9	4661.1	4303.7	4212.5	4185.4	4265.5	4704.2	4269.2	3474.3	2325.6	870.1
57°	5315.5	5002.5	4610.6	4455.3	4489.8	4640.2	5021.0	4462.7	3544.5	2241.8	792.5
58°	5764.2	5406.7	4992.6	4874.3	4843.5	4963.1	5362.4	4657.4	3567.9	2155.5	721.0
59°	6211.5	5782.6	5409.2	5193.5	5202.2	5420.3	5698.8	4889.1	3603.7	2045.9	629.8
60°	6551.7	6336.0	5836.9	5675.4	5653.2	5968.7	6034.1	5044.4	3641.9	1898.0	565.7
61°	7033.6	6752.6	6287.9	6079.7	6140.0	6392.7	6396.4	5239.1	3585.2	1710.6	486.8
62°	7379.9	7305.9	6817.9	6619.5	6601.0	6936.2	6773.5	5410.4	3535.9	1533.2	430.1
63°	7785.4	7785.4	7340.4	7185.2	7193.8	7458.8	6937.4	5581.7	3479.2	1337.2	378.4
64°	7996.1	8261.1	7850.7	7632.5	7689.2	7918.5	7229.5	5693.9	3304.2	1138.8	332.8
65°	8178.5	8576.6	8348.6	8247.5	8161.3	8296.8	7482.2	5798.7	3036.7	968.7	295.8
66°	8332.6	8873.6	8798.4	8690.0	8681.4	8650.5	7531.5	5795.0	2760.7	818.3	258.8
67°	8254.9	8879.8	9016.6	9062.2	9048.6	8723.3	7445.2	5663.1	2407.0	691.4	230.5
67.5°	8184.7	8829.2	9147.2	9121.3	9178.0	8784.9	7460.0	5501.6	2155.5	626.1	216.9
68°	8123.1	8761.5	9200.2	9233.5	9205.1	8792.3	7378.7	5373.5	1984.2	587.9	204.6
69°	7656.0	8439.8	9115.2	9234.7	9162.0	8510.0	7119.8	5039.5	1576.3	501.6	188.6
70°	7187.6	8023.2	8702.3	8921.7	8831.7	7964.1	6793.2	4508.3	1300.2	428.9	170.1
71°	6539.4	7249.2	8152.6	8284.5	8176.0	7342.9	6117.9	3947.5	1011.8	363.6	151.6
72°	5659.4	6262.1	7124.8	7444.0	7283.8	6449.4	5435.1	3262.3	819.6	305.6	138.0
72.5°	5223.1	5840.6	6672.5	6698.3	6729.2	6061.2	5145.5	2865.4	714.8	283.5	134.3
73°	4809.0	5414.1	6133.9	6225.1	6094.4	5406.7	4712.9	2562.3	653.2	258.8	129.4
74°	3897.0	4242.1	4838.6	4927.3	4812.7	4408.5	3851.4	1964.5	520.1	223.1	118.3
75°	3066.3	3256.1	3795.9	3741.7	3570.4	3428.7	2986.2	1501.1	421.5	196.0	109.7



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1377.9	1492.5	1582.5	1582.5	1592.3	1519.6	1376.6	688.9	260.0	141.7	90.0
80°	525.0	587.9	607.6	608.8	617.5	639.6	595.3	338.9	154.1	101.1	72.7
82.5°	380.8	532.4	573.1	543.5	546.0	493.0	228.0	150.4	97.4	70.2	53.0
85°	345.1	463.4	490.5	486.8	488.0	456.0	134.3	73.9	56.7	44.4	37.0
87.5°	167.6	163.9	173.8	196.0	191.0	247.7	113.4	37.0	24.6	18.5	18.5
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):

	135°	145°	155°	165°	175°	180°
0°	1050.0	1050.0	1050.0	1050.0	1050.0	1050.0
2.5°	1043.9	1042.6	1059.9	1042.6	1052.5	1045.1
5°	1056.2	1061.1	1064.8	1072.2	1055.0	1072.2
7.5°	1093.2	1098.1	1099.3	1105.5	1098.1	1096.9
10°	1121.5	1133.9	1141.2	1116.6	1131.4	1130.2
12.5°	1177.0	1164.7	1163.4	1158.5	1144.9	1140.0
15°	1216.4	1197.9	1186.8	1167.1	1151.1	1144.9
17.5°	1271.9	1236.1	1190.5	1149.9	1121.5	1099.3
20°	1306.4	1242.3	1151.1	1103.0	1059.9	1069.8
22.5°	1328.6	1236.1	1115.4	1053.7	1010.6	1022.9
25°	1336.0	1205.3	1090.7	1014.3	972.4	963.8
27.5°	1315.0	1169.6	1042.6	956.4	919.4	926.8
30°	1305.2	1117.8	998.3	913.2	863.9	871.3
32.5°	1279.3	1064.8	939.1	852.9	817.1	804.8
35°	1242.3	1020.5	882.4	801.1	758.0	748.1
37.5°	1196.7	965.0	833.1	734.5	696.3	688.9
40°	1128.9	898.5	761.7	676.6	632.2	631.0
42.5°	1069.8	834.4	695.1	607.6	563.2	565.7
45°	994.6	748.1	618.7	543.5	499.1	501.6
47.5°	898.5	668.0	546.0	462.2	425.2	422.7
50°	785.1	576.8	457.2	385.8	354.9	348.8
52.5°	676.6	484.4	374.7	310.6	284.7	282.2
55°	539.8	377.1	292.1	244.0	224.3	225.5
56°	490.5	347.5	266.2	223.1	208.3	208.3
57°	443.7	308.1	241.6	205.8	192.3	192.3
58°	391.9	271.1	219.4	186.1	179.9	175.0
59°	356.2	246.5	198.4	176.2	166.4	165.1
60°	314.3	221.8	184.9	165.1	157.8	156.5
61°	278.5	199.7	170.1	154.1	151.6	151.6
62°	249.0	184.9	157.8	149.1	147.9	144.2
63°	223.1	170.1	151.6	141.7	138.0	141.7
64°	199.7	156.5	146.7	139.3	134.3	136.8
65°	181.2	150.4	140.5	135.6	130.6	131.9
66°	168.8	140.5	135.6	129.4	126.9	128.2
67°	152.8	135.6	130.6	124.5	123.2	124.5
67.5°	147.9	131.9	128.2	122.0	120.8	122.0
68°	144.2	129.4	126.9	120.8	119.5	118.3
69°	134.3	124.5	120.8	118.3	115.8	114.6
70°	125.7	119.5	117.1	113.4	110.9	109.7
71°	120.8	113.4	112.2	108.5	106.0	104.8
72°	114.6	109.7	107.2	102.3	101.1	102.3
72.5°	113.4	107.2	106.0	101.1	99.8	99.8
73°	109.7	102.3	103.5	98.6	96.1	98.6
74°	102.3	99.8	97.4	93.7	92.4	92.4
75°	96.1	93.7	91.2	88.7	88.7	88.7



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	135°	145°	155°	165°	175°	180°
77.5°	81.3	80.1	81.3	76.4	75.2	73.9
80°	65.3	65.3	66.6	62.9	60.4	59.2
82.5°	49.3	50.5	53.0	49.3	46.8	44.4
85°	32.0	33.3	33.3	29.6	34.5	32.0
87.5°	16.0	17.3	16.0	14.8	17.3	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)