

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: P676137

Luminaire Tested: **CCW-SA-2B-740-U-T1**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676137
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-740-U-T1
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T1 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

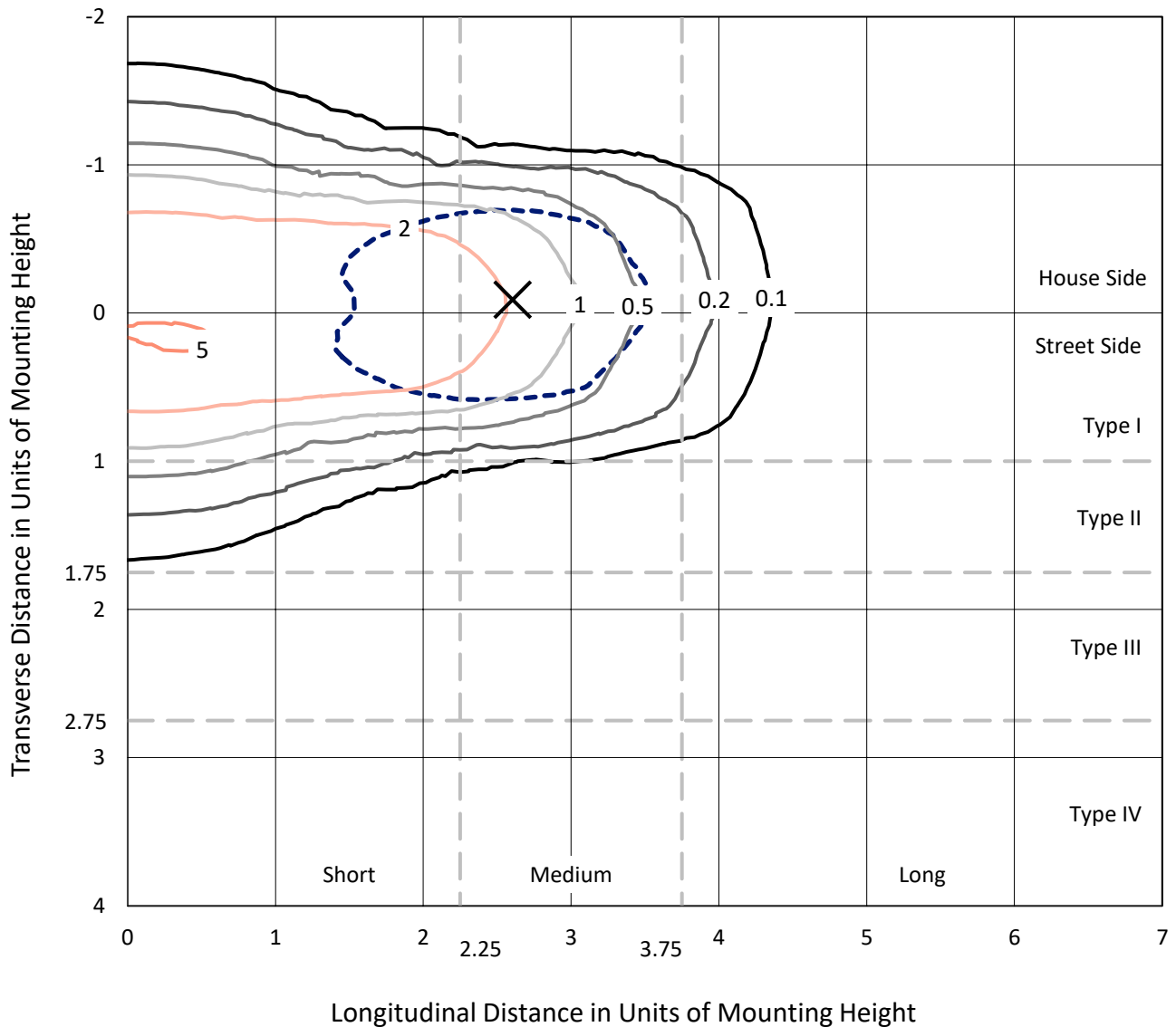
Lumens per Lamp: N/A
Luminaire Lumens: 6725.1 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 46
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

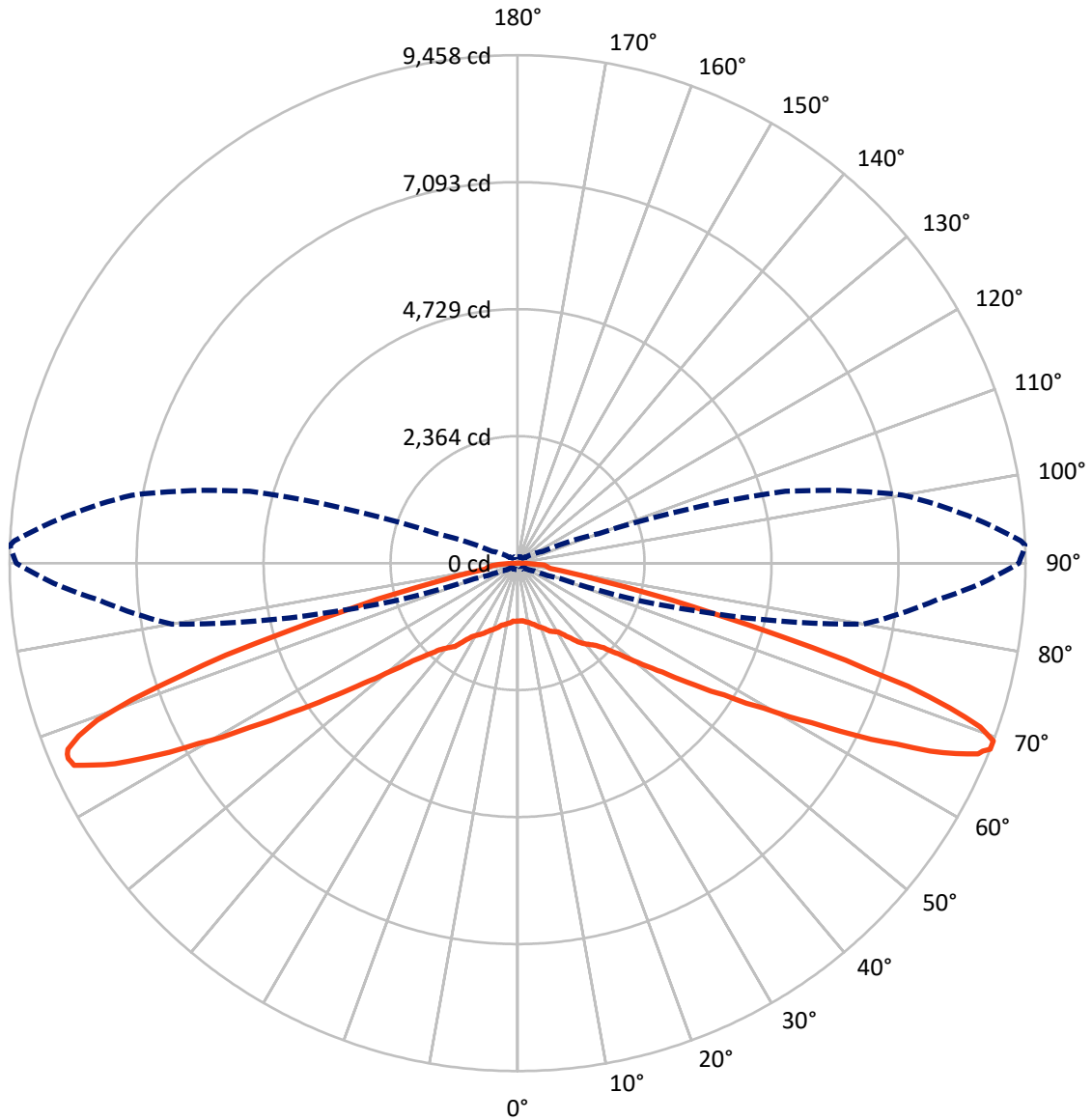
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 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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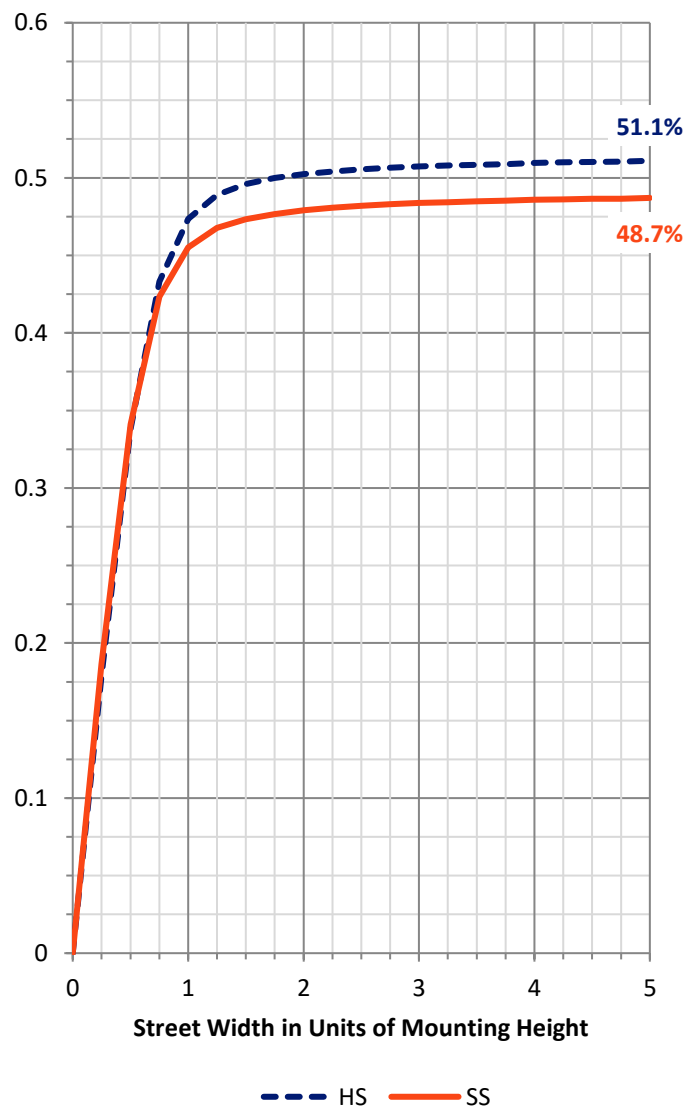
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3463.3	0.0	3463.3
	% Fixture	51.5	0.0	51.5
Street Side	Lumens	3261.8	0.0	3261.8
	% Fixture	48.5	0.0	48.5
Total	Lumens	6725.1	0.0	6725.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.7	1.6
10°-20°	348.9	5.2
20°-30°	595.4	8.9
30°-40°	831.3	12.4
40°-50°	1057.4	15.7
50°-60°	1337.0	19.9
60°-70°	1648.9	24.5
70°-80°	720.3	10.7
80°-90°	78.1	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°	6725.1	100.0
0°-180°	6725.1	100.0



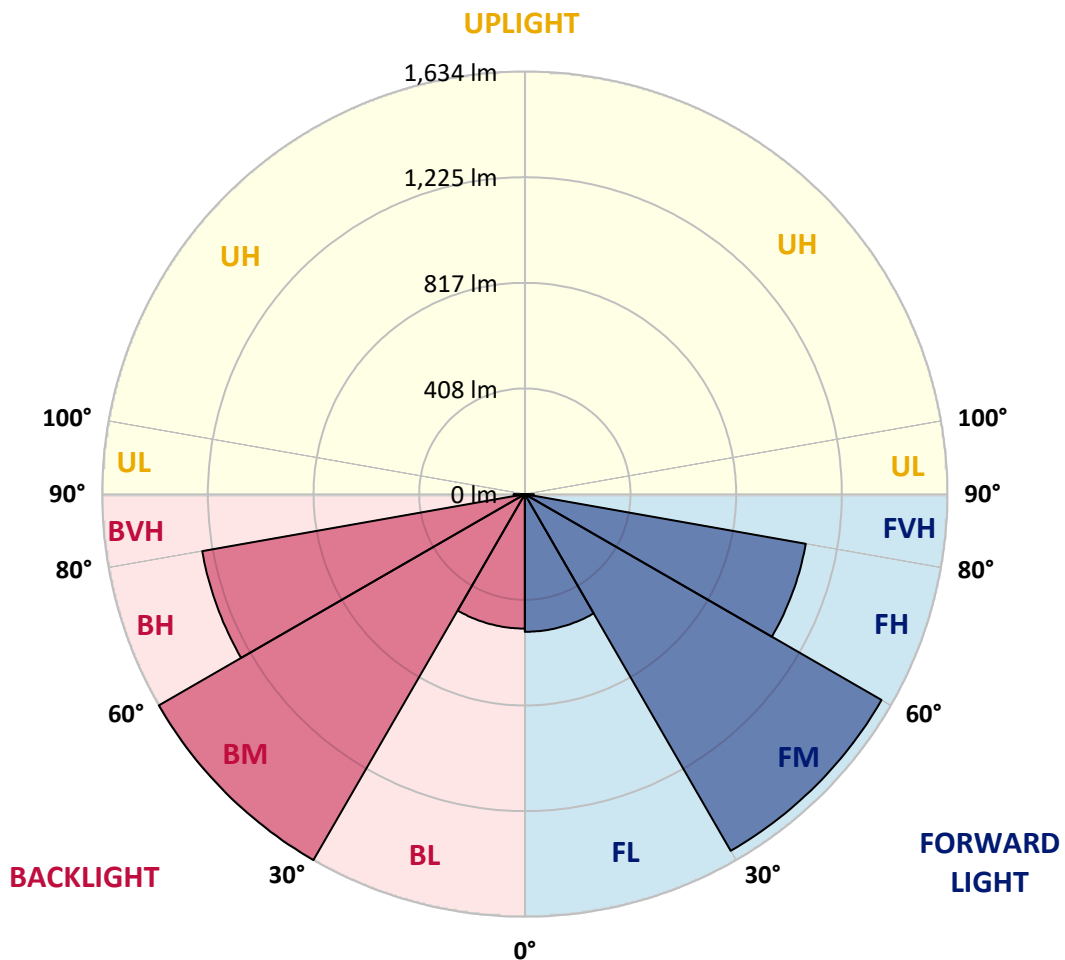
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.2	7.9			
FM (30°-60°)	1592.1	23.7			
FH (60°-80°)	1102.8	16.4			G1/1800
FVH (80°-90°)	34.6	0.5			G1/100
BL (0°-30°)	519.7	7.7	B2/1000		
BM (30°-60°)	1633.7	24.3	B2/2500		
BH (60°-80°)	1266.5	18.8	B3/2500		G3/2500
BVH (80°-90°)	43.5	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°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
2.5°	1098.1	1096.9	1100.6	1103.2	1091.8	1095.6	1093.1	1090.5	1081.7	1077.9	1070.4
5°	1128.4	1132.2	1144.8	1133.5	1138.5	1132.2	1112.0	1118.3	1107.0	1104.4	1096.9
7.5°	1181.4	1173.9	1191.5	1178.9	1182.7	1170.1	1161.2	1149.9	1147.3	1129.7	1130.9
10°	1192.8	1207.9	1215.5	1213.0	1215.5	1221.8	1205.4	1187.7	1163.8	1158.7	1141.0
12.5°	1185.2	1199.1	1219.3	1235.7	1247.1	1249.6	1243.3	1239.5	1229.4	1200.4	1199.1
15°	1177.6	1167.5	1180.2	1237.0	1274.8	1300.1	1308.9	1287.5	1290.0	1252.1	1237.0
17.5°	1127.2	1112.0	1161.2	1216.8	1263.5	1319.0	1361.9	1355.6	1355.6	1325.3	1303.9
20°	1060.3	1085.5	1110.7	1181.4	1267.3	1350.6	1432.6	1428.8	1413.7	1404.8	1358.1
22.5°	1003.5	1014.8	1061.5	1136.0	1243.3	1359.4	1456.6	1526.0	1490.7	1455.3	1427.6
25°	964.3	954.2	1013.6	1090.5	1220.6	1344.3	1502.0	1574.0	1592.9	1566.4	1513.4
27.5°	908.8	908.8	955.5	1028.7	1147.3	1336.7	1546.2	1656.0	1683.8	1644.7	1567.7
30°	845.7	853.3	893.6	976.9	1093.1	1281.1	1563.9	1750.7	1773.4	1739.3	1659.8
32.5°	796.5	796.5	841.9	930.2	1055.2	1255.9	1552.5	1844.1	1887.0	1861.8	1779.7
35°	743.4	739.7	772.5	869.7	994.6	1206.7	1548.7	1918.6	2014.5	2015.7	1929.9
37.5°	667.7	682.9	724.5	801.5	946.7	1158.7	1537.4	2008.2	2179.8	2208.9	2149.5
40°	617.2	623.5	661.4	746.0	872.2	1101.9	1521.0	2081.4	2289.6	2389.4	2307.3
42.5°	544.0	552.8	581.9	686.6	800.2	1021.1	1449.0	2133.1	2446.2	2559.8	2490.3
45°	467.0	472.1	515.0	600.8	723.2	925.2	1372.0	2216.4	2597.6	2829.9	2789.5
47.5°	374.9	377.4	414.0	503.6	631.1	829.3	1253.4	2212.6	2720.1	3100.0	3213.6
50°	292.8	299.1	326.9	400.1	520.0	711.9	1115.8	2182.4	2874.0	3408.0	3631.4
52.5°	233.5	234.8	252.4	310.5	401.4	594.5	968.1	2086.4	3019.2	3709.6	4143.8
55°	193.1	193.1	203.2	238.6	308.0	451.9	795.2	1927.4	3036.9	4042.9	4703.0
56°	185.5	183.0	191.9	222.1	277.7	407.7	714.4	1820.1	3062.1	4196.8	4983.2
57°	175.4	176.7	181.8	203.2	249.9	361.0	624.8	1715.3	3044.4	4323.1	5190.2
58°	170.4	167.9	178.0	191.9	220.9	320.6	562.9	1591.6	3016.7	4426.6	5491.9
59°	162.8	161.6	167.9	180.5	205.7	285.3	487.2	1457.8	2962.4	4560.4	5716.5
60°	160.3	159.0	161.6	171.7	189.3	249.9	429.2	1301.3	2817.2	4697.9	5995.5
61°	152.7	154.0	159.0	165.3	179.2	224.7	386.2	1141.0	2722.6	4814.1	6303.5
62°	154.0	151.5	154.0	159.0	169.1	207.0	338.3	983.3	2553.4	4945.3	6534.4
63°	146.4	145.2	148.9	155.3	160.3	186.8	295.4	849.5	2361.6	4975.6	6730.1
64°	143.9	142.6	143.9	152.7	154.0	175.4	261.3	725.8	2083.9	5027.4	6981.3
65°	137.6	137.6	140.1	143.9	148.9	165.3	233.5	629.8	1807.5	4891.1	7058.3
66°	132.5	133.8	133.8	140.1	143.9	154.0	214.6	535.2	1542.4	4674.0	7132.7
67°	128.7	128.7	130.0	135.1	138.8	145.2	193.1	463.2	1301.3	4415.2	7017.9
67.5°	126.2	127.5	127.5	132.5	136.3	145.2	184.3	439.2	1163.8	4131.2	6932.0
68°	122.4	123.7	123.7	128.7	132.5	140.1	178.0	401.4	1072.9	3946.9	6773.0
69°	119.9	118.6	118.6	123.7	128.7	133.8	165.3	350.9	853.3	3431.9	6540.8
70°	112.3	112.3	114.9	118.6	122.4	127.5	152.7	309.2	722.0	2841.2	5942.5
71°	108.5	107.3	108.5	112.3	116.1	122.4	140.1	273.9	590.7	2359.1	5354.3
72°	101.0	103.5	103.5	107.3	111.1	114.9	131.3	238.6	496.0	1885.7	4706.8
72.5°	99.7	99.7	101.0	104.8	107.3	113.6	126.2	228.5	453.1	1662.3	4435.4
73°	95.9	95.9	97.2	101.0	103.5	109.8	122.4	205.7	412.7	1479.3	3928.0
74°	92.1	90.9	90.9	95.9	97.2	103.5	114.9	181.8	345.8	1114.5	3153.0
75°	85.8	85.8	87.1	89.6	90.9	95.9	106.0	161.6	291.6	864.6	2466.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	80°
77.5°	70.7	71.9	73.2	75.7	75.7	79.5	87.1	112.3	178.0	438.0	1132.2
80°	51.8	54.3	58.1	61.8	60.6	60.6	68.2	80.8	106.0	196.9	434.2
82.5°	41.7	44.2	40.4	45.4	45.4	42.9	49.2	59.3	71.9	97.2	155.3
85°	27.8	29.0	24.0	27.8	26.5	26.5	32.8	35.3	44.2	54.3	77.0
87.5°	12.6	12.6	10.1	11.4	11.4	11.4	16.4	12.6	18.9	26.5	45.4
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°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
2.5°	1077.9	1083.0	1083.0	1077.9	1074.1	1077.9	1075.4	1069.1	1075.4	1077.9	1079.2
5°	1093.1	1083.0	1088.0	1076.7	1084.2	1083.0	1080.4	1086.8	1088.0	1088.0	1096.9
7.5°	1109.5	1122.1	1105.7	1107.0	1110.7	1095.6	1100.6	1103.2	1098.1	1108.2	1115.8
10°	1138.5	1143.6	1138.5	1119.6	1132.2	1122.1	1118.3	1129.7	1127.2	1129.7	1141.0
12.5°	1165.0	1173.9	1160.0	1158.7	1152.4	1143.6	1148.6	1147.3	1165.0	1167.5	1181.4
15°	1219.3	1196.6	1191.5	1190.3	1187.7	1184.0	1186.5	1187.7	1210.5	1214.2	1247.1
17.5°	1266.0	1262.2	1234.4	1244.5	1244.5	1229.4	1223.1	1244.5	1262.2	1281.1	1303.9
20°	1314.0	1310.2	1279.9	1281.1	1269.8	1283.7	1276.1	1296.3	1326.6	1332.9	1353.1
22.5°	1370.8	1354.3	1332.9	1335.4	1339.2	1329.1	1324.1	1351.8	1382.1	1399.8	1401.1
25°	1460.4	1418.7	1401.1	1403.6	1398.5	1391.0	1394.7	1430.1	1445.2	1483.1	1475.5
27.5°	1508.3	1484.4	1471.7	1442.7	1444.0	1432.6	1447.8	1500.8	1531.1	1560.1	1502.0
30°	1566.4	1551.3	1495.7	1485.6	1484.4	1479.3	1507.1	1575.2	1620.7	1637.1	1553.8
32.5°	1680.0	1619.4	1605.5	1596.7	1576.5	1582.8	1596.7	1686.3	1758.3	1754.5	1601.7
35°	1810.0	1768.4	1729.2	1721.7	1719.1	1701.5	1725.4	1830.2	1885.7	1869.3	1619.4
37.5°	2018.3	1955.2	1902.1	1873.1	1868.1	1855.4	1912.2	1995.6	2067.5	2003.1	1633.3
40°	2120.5	2049.8	2000.6	1982.9	1986.7	2004.4	2059.9	2187.4	2219.0	2100.3	1644.7
42.5°	2266.9	2189.9	2092.7	2083.9	2072.5	2081.4	2188.7	2360.3	2386.8	2231.6	1601.7
45°	2526.9	2410.8	2298.5	2248.0	2250.5	2274.5	2441.1	2629.2	2580.0	2322.5	1533.6
47.5°	2855.1	2684.7	2593.8	2525.7	2558.5	2532.0	2797.1	2947.3	2779.4	2437.3	1450.3
50°	3348.6	3110.1	2986.4	2904.3	2918.2	2940.9	3209.8	3337.3	3000.3	2492.9	1322.8
52.5°	3970.9	3664.2	3482.4	3372.6	3382.7	3431.9	3779.0	3739.9	3252.7	2539.6	1152.4
55°	4715.6	4400.1	4047.9	4002.5	3991.1	4108.5	4490.9	4161.5	3479.9	2465.1	975.7
56°	5109.4	4773.7	4407.6	4314.2	4286.5	4368.5	4817.8	4372.3	3558.2	2381.8	891.1
57°	5443.9	5123.3	4721.9	4562.9	4598.2	4752.2	5142.2	4570.5	3630.1	2296.0	811.6
58°	5903.3	5537.3	5113.2	4992.0	4960.5	5082.9	5491.9	4769.9	3654.1	2207.6	738.4
59°	6361.5	5922.3	5539.8	5318.9	5327.8	5551.2	5836.4	5007.2	3690.7	2095.3	645.0
60°	6709.9	6489.0	5977.8	5812.5	5789.7	6112.9	6179.8	5166.2	3729.8	1943.8	579.4
61°	7203.4	6915.6	6439.8	6226.5	6288.3	6547.1	6550.9	5365.6	3671.8	1751.9	498.6
62°	7558.1	7482.4	6982.5	6779.3	6760.4	7103.7	6937.1	5541.1	3621.3	1570.2	440.5
63°	7973.4	7973.4	7517.7	7358.7	7367.5	7638.9	7105.0	5716.5	3563.2	1369.5	387.5
64°	8189.2	8460.6	8040.3	7816.9	7874.9	8109.7	7404.1	5831.4	3384.0	1166.3	340.8
65°	8376.0	8783.7	8550.2	8446.7	8358.3	8497.2	7662.9	5938.7	3110.1	992.1	302.9
66°	8533.8	9087.9	9010.9	8899.8	8891.0	8859.4	7713.4	5934.9	2827.3	838.1	265.1
67°	8454.3	9094.2	9234.3	9281.0	9267.1	8933.9	7625.0	5799.8	2465.1	708.1	236.0
67.5°	8382.3	9042.5	9368.1	9341.6	9399.7	8997.0	7640.1	5634.5	2207.6	641.2	222.1
68°	8319.2	8973.0	9422.4	9456.5	9427.4	9004.6	7556.8	5503.2	2032.2	602.1	209.5
69°	7840.8	8643.6	9335.3	9457.7	9383.3	8715.5	7291.8	5161.2	1614.4	513.7	193.1
70°	7361.2	8217.0	8912.4	9137.1	9045.0	8156.4	6957.3	4617.2	1331.6	439.2	174.2
71°	6697.3	7424.3	8349.5	8484.6	8373.5	7520.2	6265.6	4042.9	1036.3	372.4	155.3
72°	5796.1	6413.3	7296.8	7623.7	7459.6	6605.1	5566.3	3341.1	839.4	313.0	141.4
72.5°	5349.2	5981.6	6833.6	6860.1	6891.7	6207.5	5269.7	2934.6	732.1	290.3	137.6
73°	4925.1	5544.9	6282.0	6375.4	6241.6	5537.3	4826.7	2624.1	669.0	265.1	132.5
74°	3991.1	4344.5	4955.4	5046.3	4928.9	4514.9	3944.4	2012.0	532.7	228.5	121.2
75°	3140.4	3334.8	3887.6	3832.1	3656.6	3511.5	3058.3	1537.4	431.7	200.7	112.3



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CANDELA DISTRIBUTION (continued):

	85°	87.5°	90°	92°	92.5°	95°	100°	105°	110°	115°	125°
77.5°	1411.1	1528.5	1620.7	1620.7	1630.8	1556.3	1409.9	705.6	266.3	145.2	92.1
80°	537.7	602.1	622.3	623.5	632.4	655.1	609.6	347.1	157.8	103.5	74.5
82.5°	390.0	545.3	586.9	556.6	559.2	504.9	233.5	154.0	99.7	71.9	54.3
85°	353.4	474.6	502.4	498.6	499.8	467.0	137.6	75.7	58.1	45.4	37.9
87.5°	171.7	167.9	178.0	200.7	195.6	253.7	116.1	37.9	25.2	18.9	18.9
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°	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4
2.5°	1069.1	1067.8	1085.5	1067.8	1077.9	1070.4
5°	1081.7	1086.8	1090.5	1098.1	1080.4	1098.1
7.5°	1119.6	1124.6	1125.9	1132.2	1124.6	1123.4
10°	1148.6	1161.2	1168.8	1143.6	1158.7	1157.4
12.5°	1205.4	1192.8	1191.5	1186.5	1172.6	1167.5
15°	1245.8	1226.9	1215.5	1195.3	1178.9	1172.6
17.5°	1302.6	1266.0	1219.3	1177.6	1148.6	1125.9
20°	1337.9	1272.3	1178.9	1129.7	1085.5	1095.6
22.5°	1360.7	1266.0	1142.3	1079.2	1035.0	1047.6
25°	1368.2	1234.4	1117.1	1038.8	995.9	987.0
27.5°	1346.8	1197.8	1067.8	979.5	941.6	949.2
30°	1336.7	1144.8	1022.4	935.3	884.8	892.4
32.5°	1310.2	1090.5	961.8	873.4	836.8	824.2
35°	1272.3	1045.1	903.7	820.4	776.3	766.2
37.5°	1225.6	988.3	853.3	752.3	713.1	705.6
40°	1156.2	920.1	780.0	693.0	647.5	646.3
42.5°	1095.6	854.5	711.9	622.3	576.8	579.4
45°	1018.6	766.2	633.6	556.6	511.2	513.7
47.5°	920.1	684.1	559.2	473.3	435.5	432.9
50°	804.0	590.7	468.3	395.1	363.5	357.2
52.5°	693.0	496.0	383.7	318.1	291.6	289.0
55°	552.8	386.2	299.1	249.9	229.7	231.0
56°	502.4	355.9	272.6	228.5	213.3	213.3
57°	454.4	315.6	247.4	210.8	196.9	196.9
58°	401.4	277.7	224.7	190.6	184.3	179.2
59°	364.8	252.4	203.2	180.5	170.4	169.1
60°	321.9	227.2	189.3	169.1	161.6	160.3
61°	285.3	204.5	174.2	157.8	155.3	155.3
62°	255.0	189.3	161.6	152.7	151.5	147.7
63°	228.5	174.2	155.3	145.2	141.4	145.2
64°	204.5	160.3	150.2	142.6	137.6	140.1
65°	185.5	154.0	143.9	138.8	133.8	135.1
66°	172.9	143.9	138.8	132.5	130.0	131.3
67°	156.5	138.8	133.8	127.5	126.2	127.5
67.5°	151.5	135.1	131.3	125.0	123.7	125.0
68°	147.7	132.5	130.0	123.7	122.4	121.2
69°	137.6	127.5	123.7	121.2	118.6	117.4
70°	128.7	122.4	119.9	116.1	113.6	112.3
71°	123.7	116.1	114.9	111.1	108.5	107.3
72°	117.4	112.3	109.8	104.8	103.5	104.8
72.5°	116.1	109.8	108.5	103.5	102.2	102.2
73°	112.3	104.8	106.0	101.0	98.5	101.0
74°	104.8	102.2	99.7	95.9	94.7	94.7
75°	98.5	95.9	93.4	90.9	90.9	90.9



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CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
77.5°	83.3	82.0	83.3	78.3	77.0	75.7
80°	66.9	66.9	68.2	64.4	61.8	60.6
82.5°	50.5	51.8	54.3	50.5	48.0	45.4
85°	32.8	34.1	34.1	30.3	35.3	32.8
87.5°	16.4	17.7	16.4	15.1	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)