

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: P675800

Luminaire Tested: **CCW-SA-1C-722-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675800
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-722-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

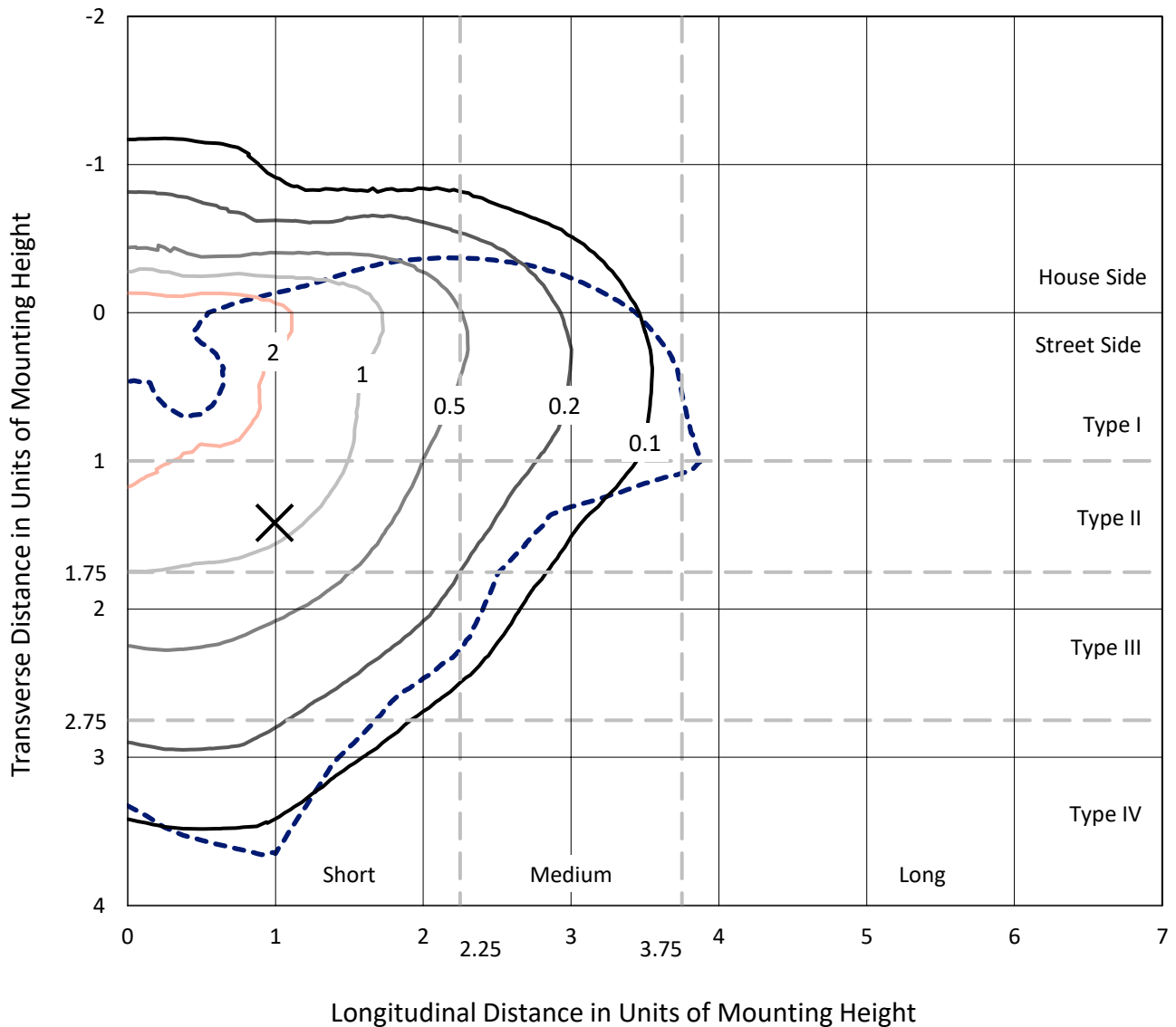
Lumens per Lamp: N/A
Luminaire Lumens: 2763.3 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

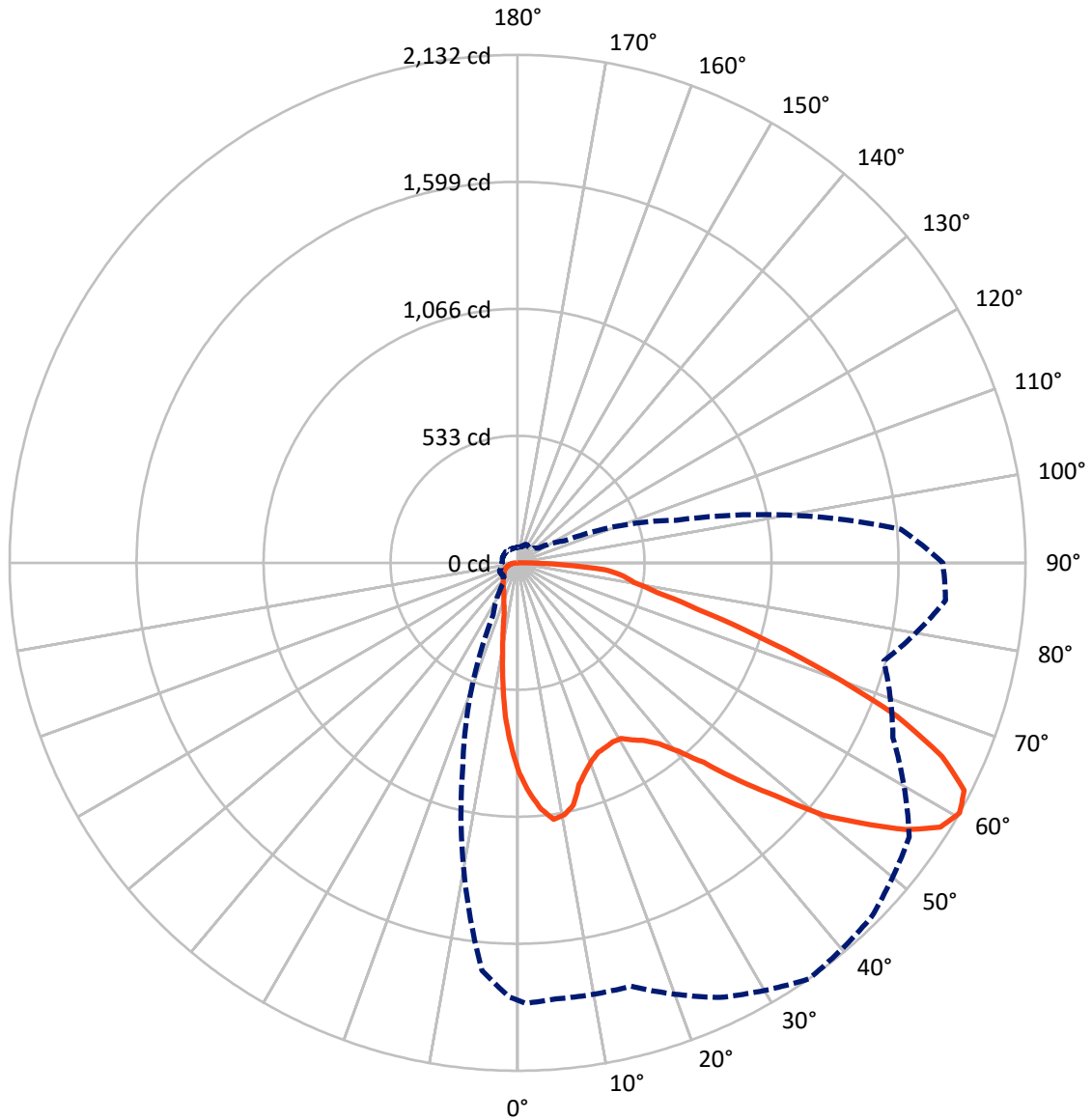
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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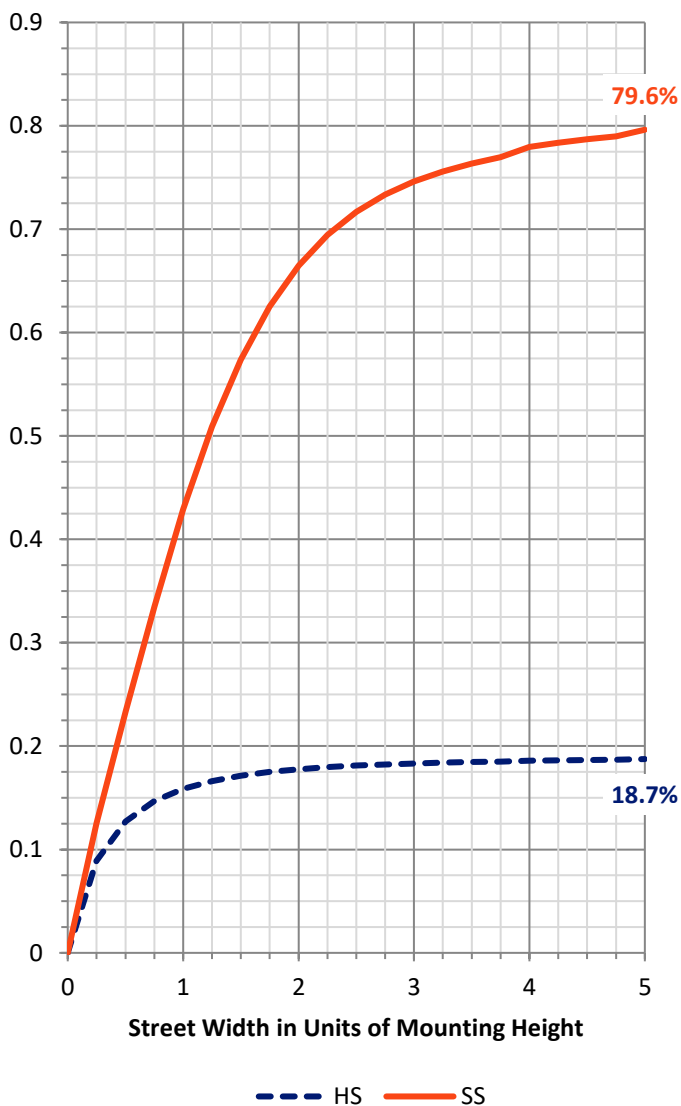
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	525.9	0.0	525.9
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	2237.4	0.0	2237.4
	% Fixture	81.0	0.0	81.0
Total	Lumens	2763.3	0.0	2763.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	2.5
10°-20°	144.8	5.2
20°-30°	211.8	7.7
30°-40°	298.4	10.8
40°-50°	410.1	14.8
50°-60°	558.9	20.2
60°-70°	611.7	22.1
70°-80°	353.2	12.8
80°-90°	105.8	3.8
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°	2763.3	100.0
0°-180°	2763.3	100.0

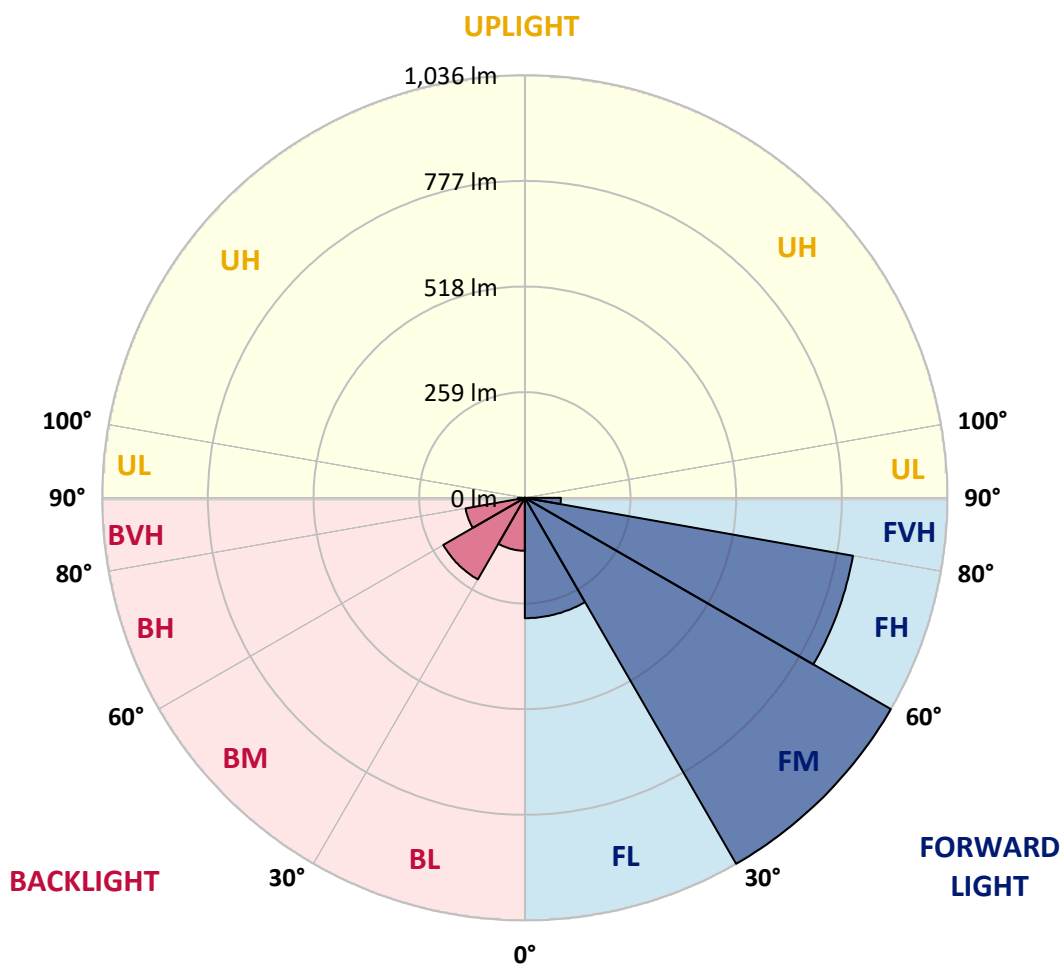


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	295.2	10.7			
FM (30°-60°)	1036.5	37.5			
FH (60°-80°)	817.2	29.6			G1/1800
FVH (80°-90°)	88.5	3.2			G1/100
BL (0°-30°)	129.9	4.7	B1/500		
BM (30°-60°)	231.0	8.4	B1/1000		
BH (60°-80°)	147.7	5.3	B1/500		G1/500
BVH (80°-90°)	17.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6
2.5°	945.1	941.4	945.1	958.6	962.3	968.4	968.4	959.8	943.9	936.5	924.3
5°	965.9	959.8	990.4	1018.6	1040.7	1038.3	1017.4	1000.3	968.4	920.6	875.2
7.5°	924.3	930.4	952.4	1026.0	1077.5	1087.3	1054.2	1019.9	951.2	885.0	823.7
10°	845.8	854.4	902.2	978.2	1059.1	1075.0	1054.2	1012.5	930.4	848.3	777.2
12.5°	807.8	827.4	855.6	947.5	1005.2	1043.2	1033.4	1006.4	914.4	817.6	749.0
15°	807.8	812.7	854.4	931.6	964.7	965.9	969.6	974.5	919.4	831.1	739.2
17.5°	833.5	847.0	882.6	930.4	936.5	921.8	921.8	942.6	929.2	869.1	774.7
20°	896.1	891.2	937.7	957.4	924.3	887.5	883.8	919.4	940.2	909.5	839.7
22.5°	958.6	980.6	1018.6	974.5	913.2	864.2	859.3	903.4	973.3	979.4	914.4
25°	1053.0	1075.0	1094.6	1040.7	912.0	858.1	861.7	896.1	1013.7	1078.7	1039.5
27.5°	1154.7	1168.2	1196.4	1113.0	941.4	850.7	854.4	905.9	1051.7	1143.7	1137.5
30°	1212.3	1227.0	1220.9	1126.5	961.0	855.6	845.8	919.4	1030.9	1143.7	1201.3
32.5°	1268.7	1260.1	1256.4	1148.6	985.5	886.3	861.7	947.5	1043.2	1162.1	1283.4
35°	1337.4	1325.1	1315.3	1191.5	1026.0	915.7	904.6	984.3	1070.1	1200.1	1349.6
37.5°	1413.4	1413.4	1365.5	1223.4	1073.8	963.5	951.2	1037.0	1113.0	1223.4	1440.3
40°	1502.8	1506.5	1421.9	1266.3	1127.7	1039.5	1035.8	1105.7	1154.7	1257.7	1527.4
42.5°	1569.0	1571.5	1471.0	1282.2	1190.3	1144.9	1160.8	1216.0	1202.5	1288.3	1533.5
45°	1614.4	1602.1	1505.3	1327.5	1258.9	1303.0	1307.9	1323.9	1265.0	1306.7	1558.0
47.5°	1636.4	1634.0	1520.0	1380.3	1403.5	1463.6	1491.8	1469.7	1322.6	1287.1	1558.0
50°	1658.5	1637.7	1533.5	1452.6	1544.5	1665.9	1659.7	1619.3	1402.3	1311.6	1534.7
52.5°	1673.2	1654.8	1560.4	1517.5	1679.4	1816.6	1841.2	1766.4	1495.5	1357.0	1545.7
55°	1725.9	1711.2	1641.4	1605.8	1835.0	1976.0	1979.7	1875.5	1593.5	1431.7	1618.1
57.5°	1789.7	1798.3	1752.9	1730.8	1953.9	2092.4	2079.0	1956.4	1676.9	1522.4	1701.4
60°	1835.0	1848.5	1837.5	1839.9	2012.8	2131.7	2101.0	2006.6	1738.2	1591.1	1803.2
62.5°	1810.5	1837.5	1882.8	1873.0	2015.2	2103.5	2060.6	1940.4	1745.5	1680.6	1880.4
65°	1743.1	1745.5	1833.8	1887.7	1904.9	1957.6	1901.2	1801.9	1669.5	1735.7	1869.4
67.5°	1570.3	1589.9	1669.5	1775.0	1702.6	1714.9	1710.0	1566.6	1554.3	1697.7	1784.8
70°	1386.4	1399.9	1486.9	1610.7	1437.9	1380.3	1391.3	1284.6	1334.9	1580.1	1614.4
72.5°	1146.1	1154.7	1254.0	1363.1	1153.5	1050.5	1076.3	989.2	1060.3	1382.7	1361.9
75°	865.4	881.4	958.6	1087.3	849.5	783.3	809.0	773.5	839.7	1138.8	1056.6
77.5°	615.4	603.1	698.7	850.7	638.6	599.4	601.9	608.0	679.1	959.8	758.8
80°	419.2	422.9	508.7	623.9	501.4	495.2	489.1	538.1	570.0	760.0	551.6
82.5°	248.8	248.8	343.2	443.7	395.9	446.2	418.0	462.1	446.2	559.0	361.6
85°	116.5	116.5	176.5	319.9	306.5	367.7	312.6	349.4	329.7	389.8	163.0
87.5°	19.6	17.2	35.5	156.9	126.3	143.4	56.4	186.3	207.2	272.1	40.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6
2.5°	910.8	902.2	885.0	863.0	844.6	821.3	813.9	798.0	775.9	773.5	763.7
5°	858.1	828.6	791.9	746.5	715.9	684.0	657.0	641.1	622.7	620.3	615.4
7.5°	800.5	763.7	702.4	648.5	595.7	545.5	521.0	490.3	469.5	453.5	446.2
10°	746.5	712.2	636.2	562.6	516.1	483.0	453.5	421.7	395.9	376.3	369.0
12.5°	711.0	670.5	588.4	518.5	484.2	446.2	413.1	378.8	345.7	319.9	306.5
15°	695.0	657.0	573.7	496.5	446.2	393.5	355.5	321.2	280.7	262.3	256.2
17.5°	733.0	676.6	568.8	470.7	399.6	339.5	293.0	256.2	226.8	208.4	201.0
20°	782.1	712.2	577.4	440.1	355.5	288.1	236.6	197.4	177.7	164.3	163.0
22.5°	844.6	764.9	590.8	418.0	306.5	231.7	185.1	161.8	148.3	147.1	144.6
25°	956.1	860.5	612.9	388.6	267.2	191.2	158.1	144.6	138.5	134.8	137.3
27.5°	1051.7	923.0	628.8	370.2	251.3	180.2	153.2	138.5	132.4	131.2	132.4
30°	1108.1	980.6	623.9	335.9	219.4	171.6	163.0	158.1	145.9	136.1	136.1
32.5°	1159.6	1017.4	622.7	305.2	187.5	143.4	136.1	132.4	139.7	144.6	141.0
35°	1230.7	1075.0	619.0	288.1	174.1	132.4	120.1	110.3	105.4	103.0	106.6
37.5°	1306.7	1114.3	609.2	285.6	166.7	126.3	116.5	106.6	101.7	99.3	98.1
40°	1390.1	1155.9	598.2	273.4	163.0	122.6	112.8	104.2	98.1	94.4	93.2
42.5°	1444.0	1189.0	587.2	267.2	155.7	120.1	109.1	101.7	95.6	90.7	90.7
45°	1474.6	1228.3	576.1	261.1	147.1	121.4	109.1	99.3	91.9	89.5	87.0
47.5°	1488.1	1257.7	572.5	251.3	139.7	116.5	106.6	96.8	89.5	84.6	83.4
50°	1523.7	1320.2	585.9	243.9	131.2	111.5	112.8	95.6	88.3	82.1	80.9
52.5°	1544.5	1370.4	615.4	232.9	125.0	105.4	110.3	93.2	84.6	78.5	78.5
55°	1620.5	1453.8	647.2	224.3	117.7	96.8	101.7	88.3	78.5	74.8	74.8
57.5°	1717.4	1542.1	674.2	220.6	112.8	90.7	90.7	85.8	74.8	69.9	68.6
60°	1784.8	1614.4	690.1	218.2	107.9	84.6	80.9	85.8	71.1	66.2	65.0
62.5°	1792.1	1572.7	674.2	217.0	106.6	78.5	73.5	82.1	67.4	62.5	60.1
65°	1745.5	1488.1	630.1	212.1	105.4	72.3	68.6	71.1	62.5	58.8	56.4
67.5°	1652.4	1350.8	566.3	209.6	104.2	67.4	62.5	61.3	57.6	53.9	51.5
70°	1435.4	1171.9	491.5	198.6	101.7	63.7	56.4	55.2	51.5	49.0	47.8
72.5°	1205.0	958.6	405.7	183.9	96.8	57.6	51.5	49.0	47.8	44.1	42.9
75°	923.0	737.9	324.8	163.0	84.6	51.5	45.4	42.9	41.7	39.2	38.0
77.5°	648.5	549.2	240.3	132.4	71.1	46.6	40.5	38.0	36.8	33.1	33.1
80°	440.1	384.9	163.0	91.9	55.2	38.0	35.5	33.1	30.6	28.2	28.2
82.5°	273.4	269.7	117.7	60.1	40.5	30.6	28.2	28.2	24.5	22.1	22.1
85°	125.0	165.5	82.1	41.7	30.6	23.3	23.3	22.1	19.6	15.9	15.9
87.5°	39.2	55.2	42.9	18.4	17.2	13.5	13.5	12.3	12.3	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



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6
2.5°	773.5	772.3	772.3	767.4	779.6	779.6	787.0	780.8	784.5	785.7	795.5
5°	614.1	623.9	631.3	646.0	654.6	658.3	658.3	668.1	664.4	671.7	686.5
7.5°	449.9	462.1	484.2	502.6	517.3	522.2	521.0	523.4	527.1	518.5	521.0
10°	364.1	355.5	362.8	380.0	393.5	409.4	397.2	395.9	399.6	395.9	403.3
12.5°	304.0	294.2	288.1	288.1	297.9	305.2	301.5	307.7	321.2	324.8	333.4
15°	246.4	237.8	232.9	226.8	236.6	239.0	242.7	251.3	261.1	266.0	275.8
17.5°	197.4	197.4	197.4	192.5	196.1	199.8	201.0	212.1	213.3	218.2	221.9
20°	161.8	165.5	171.6	174.1	177.7	177.7	175.3	181.4	176.5	180.2	182.6
22.5°	145.9	150.8	153.2	154.5	159.4	160.6	154.5	155.7	156.9	153.2	154.5
25°	137.3	139.7	137.3	138.5	139.7	137.3	138.5	141.0	139.7	142.2	141.0
27.5°	133.6	131.2	129.9	128.7	128.7	126.3	127.5	127.5	129.9	131.2	131.2
30°	133.6	129.9	125.0	121.4	121.4	117.7	120.1	122.6	123.8	126.3	126.3
32.5°	137.3	129.9	121.4	117.7	114.0	111.5	114.0	117.7	122.6	123.8	125.0
35°	109.1	112.8	111.5	106.6	105.4	105.4	104.2	104.2	100.5	100.5	99.3
37.5°	98.1	96.8	99.3	100.5	101.7	98.1	98.1	93.2	91.9	93.2	93.2
40°	91.9	91.9	91.9	95.6	96.8	94.4	90.7	88.3	88.3	88.3	89.5
42.5°	89.5	87.0	85.8	88.3	91.9	89.5	85.8	84.6	84.6	85.8	85.8
45°	85.8	84.6	83.4	82.1	87.0	83.4	82.1	80.9	80.9	80.9	82.1
47.5°	82.1	80.9	78.5	78.5	79.7	78.5	77.2	77.2	77.2	79.7	79.7
50°	79.7	78.5	76.0	76.0	76.0	76.0	74.8	74.8	74.8	76.0	77.2
52.5°	76.0	74.8	73.5	72.3	72.3	72.3	72.3	72.3	72.3	73.5	74.8
55°	72.3	71.1	69.9	69.9	71.1	71.1	69.9	71.1	69.9	71.1	72.3
57.5°	68.6	67.4	66.2	67.4	68.6	67.4	67.4	67.4	67.4	67.4	68.6
60°	63.7	63.7	63.7	63.7	66.2	66.2	66.2	66.2	63.7	65.0	66.2
62.5°	61.3	60.1	60.1	61.3	62.5	62.5	63.7	62.5	61.3	62.5	62.5
65°	56.4	56.4	56.4	57.6	57.6	58.8	58.8	58.8	57.6	58.8	58.8
67.5°	52.7	52.7	52.7	52.7	55.2	55.2	55.2	55.2	53.9	53.9	55.2
70°	46.6	47.8	46.6	49.0	51.5	50.3	51.5	51.5	50.3	49.0	51.5
72.5°	42.9	42.9	42.9	42.9	46.6	46.6	46.6	47.8	46.6	45.4	46.6
75°	38.0	38.0	38.0	39.2	41.7	41.7	41.7	41.7	41.7	40.5	40.5
77.5°	33.1	34.3	33.1	34.3	36.8	35.5	36.8	38.0	36.8	35.5	35.5
80°	28.2	28.2	28.2	29.4	30.6	30.6	30.6	31.9	30.6	29.4	29.4
82.5°	22.1	22.1	23.3	23.3	24.5	24.5	24.5	25.7	24.5	23.3	23.3
85°	17.2	17.2	17.2	18.4	18.4	19.6	19.6	20.8	20.8	19.6	19.6
87.5°	11.0	9.8	11.0	11.0	12.3	12.3	11.0	9.8	11.0	9.8	8.6
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6	882.6
2.5°	805.4	827.4	843.4	854.4	870.3	901.0	913.2	935.3	941.4	945.1
5°	692.6	715.9	750.2	774.7	802.9	860.5	904.6	937.7	952.4	965.9
7.5°	543.0	573.7	609.2	641.1	687.7	758.8	816.4	885.0	910.8	924.3
10°	424.1	452.3	491.5	530.8	595.7	655.8	737.9	800.5	836.0	845.8
12.5°	357.9	391.0	437.6	485.4	525.9	594.5	677.9	768.6	801.7	807.8
15°	304.0	349.4	397.2	446.2	492.8	552.8	642.3	752.6	801.7	807.8
17.5°	251.3	291.7	348.1	400.8	454.8	536.9	648.5	766.1	815.2	833.5
20°	199.8	239.0	283.2	349.4	422.9	509.9	661.9	811.5	876.4	896.1
22.5°	165.5	182.6	225.5	289.3	376.3	491.5	675.4	882.6	951.2	958.6
25°	144.6	156.9	183.9	243.9	339.5	479.3	707.3	964.7	1053.0	1053.0
27.5°	134.8	139.7	158.1	212.1	313.8	468.3	739.2	1055.4	1137.5	1154.7
30°	132.4	144.6	154.5	188.8	285.6	437.6	768.6	1126.5	1211.1	1212.3
32.5°	129.9	127.5	134.8	164.3	251.3	405.7	793.1	1198.8	1265.0	1268.7
35°	101.7	106.6	118.9	144.6	225.5	382.5	805.4	1238.1	1333.7	1337.4
37.5°	95.6	101.7	111.5	133.6	208.4	362.8	809.0	1314.1	1406.0	1413.4
40°	93.2	98.1	105.4	123.8	194.9	338.3	816.4	1392.5	1512.6	1502.8
42.5°	88.3	94.4	101.7	118.9	183.9	319.9	817.6	1435.4	1569.0	1569.0
45°	87.0	90.7	99.3	118.9	171.6	304.0	798.0	1478.3	1634.0	1614.4
47.5°	82.1	89.5	96.8	115.2	156.9	288.1	774.7	1500.4	1642.6	1636.4
50°	80.9	88.3	100.5	109.1	148.3	280.7	769.8	1555.5	1659.7	1658.5
52.5°	78.5	85.8	104.2	104.2	137.3	270.9	793.1	1580.1	1663.4	1673.2
55°	74.8	85.8	96.8	95.6	127.5	258.6	818.8	1643.8	1728.4	1725.9
57.5°	72.3	83.4	91.9	87.0	116.5	250.1	856.8	1705.1	1806.8	1789.7
60°	68.6	83.4	82.1	80.9	107.9	242.7	888.7	1717.4	1824.0	1835.0
62.5°	66.2	87.0	72.3	74.8	100.5	239.0	875.2	1625.4	1800.7	1810.5
65°	63.7	74.8	66.2	68.6	98.1	231.7	822.5	1515.1	1700.2	1743.1
67.5°	58.8	61.3	61.3	63.7	95.6	214.5	714.6	1316.5	1547.0	1570.3
70°	53.9	55.2	55.2	58.8	93.2	194.9	589.6	1138.8	1342.3	1386.4
72.5°	49.0	49.0	49.0	53.9	85.8	179.0	485.4	875.2	1115.5	1146.1
75°	42.9	42.9	42.9	47.8	77.2	163.0	382.5	650.9	821.3	865.4
77.5°	38.0	38.0	36.8	42.9	67.4	132.4	275.8	459.7	578.6	615.4
80°	31.9	30.6	30.6	34.3	52.7	95.6	177.7	324.8	403.3	419.2
82.5°	25.7	24.5	23.3	25.7	38.0	60.1	110.3	226.8	258.6	248.8
85°	24.5	25.7	20.8	19.6	27.0	39.2	69.9	139.7	116.5	116.5
87.5°	9.8	8.6	8.6	7.4	13.5	14.7	30.6	25.7	19.6	19.6
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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