

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: P675844

Luminaire Tested: **CCW-SA-1C-740-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675844
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-740-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SLL distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

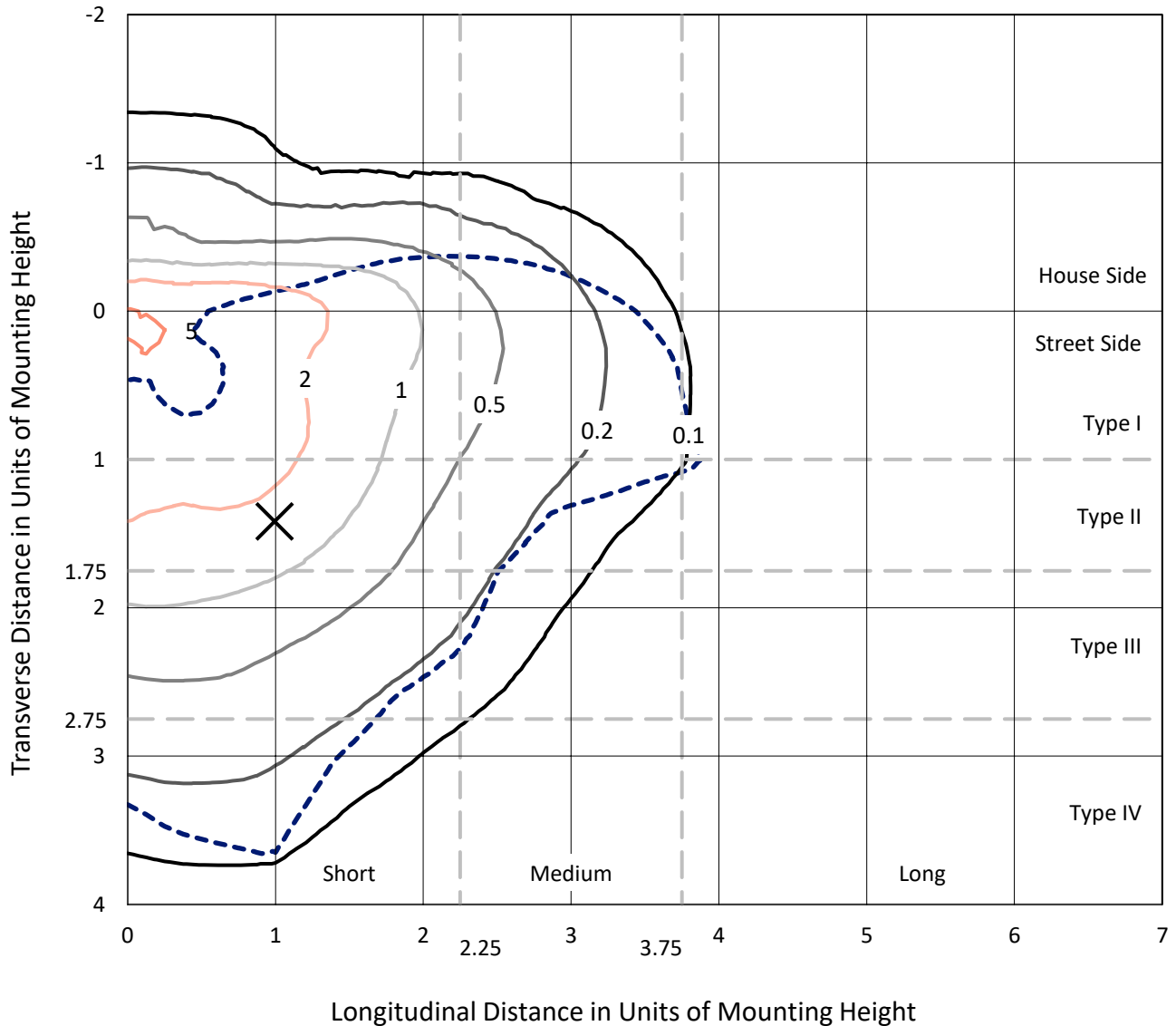
Lumens per Lamp: N/A
Luminaire Lumens: 3751.4 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

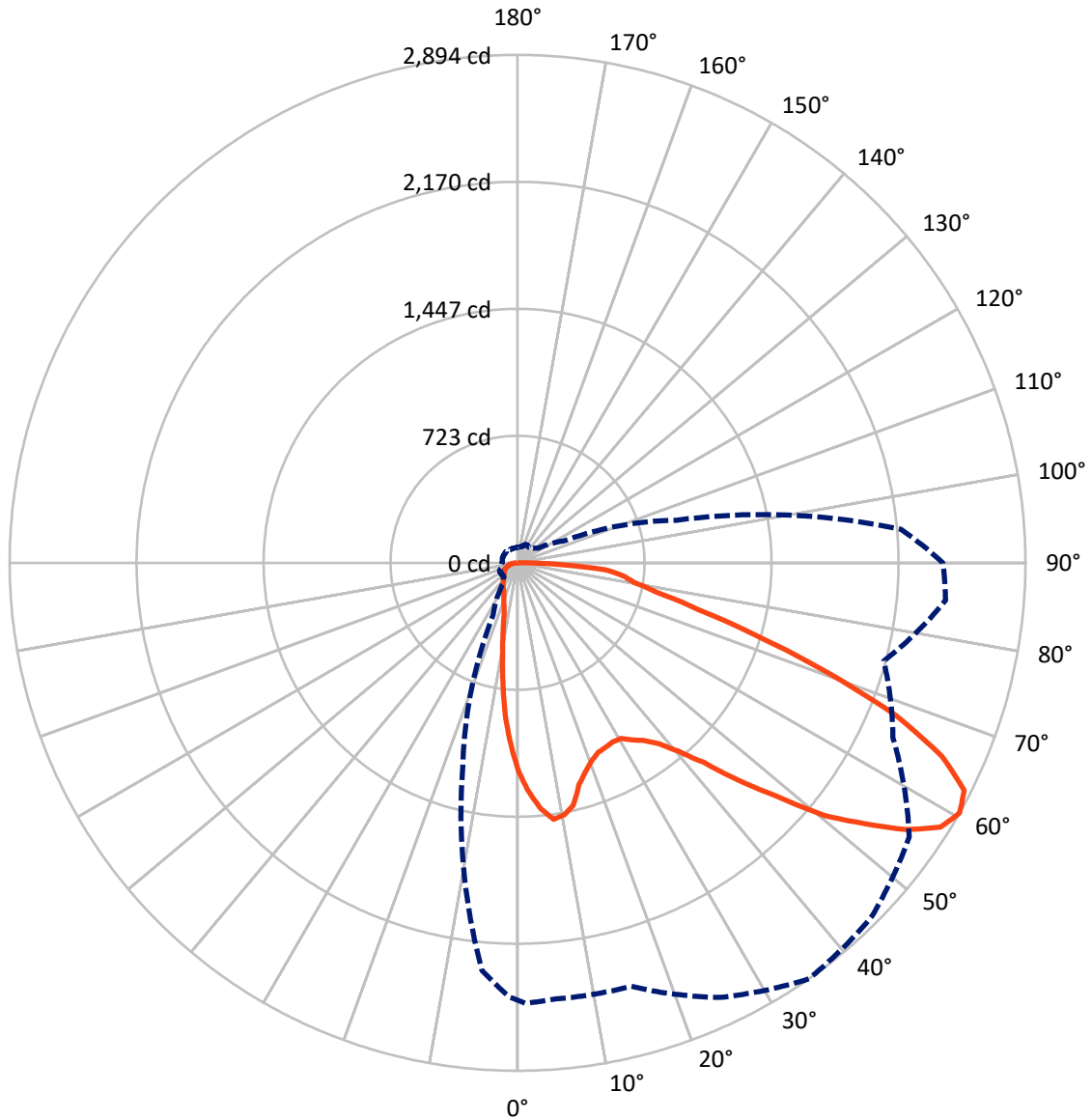
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 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	713.9	0.0	713.9
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	3037.5	0.0	3037.5
	% Fixture	81.0	0.0	81.0
Total	Lumens	3751.4	0.0	3751.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	2.5
10°-20°	196.5	5.2
20°-30°	287.5	7.7
30°-40°	405.1	10.8
40°-50°	556.8	14.8
50°-60°	758.8	20.2
60°-70°	830.5	22.1
70°-80°	479.5	12.8
80°-90°	143.6	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°	3751.4	100.0
0°-180°	3751.4	100.0

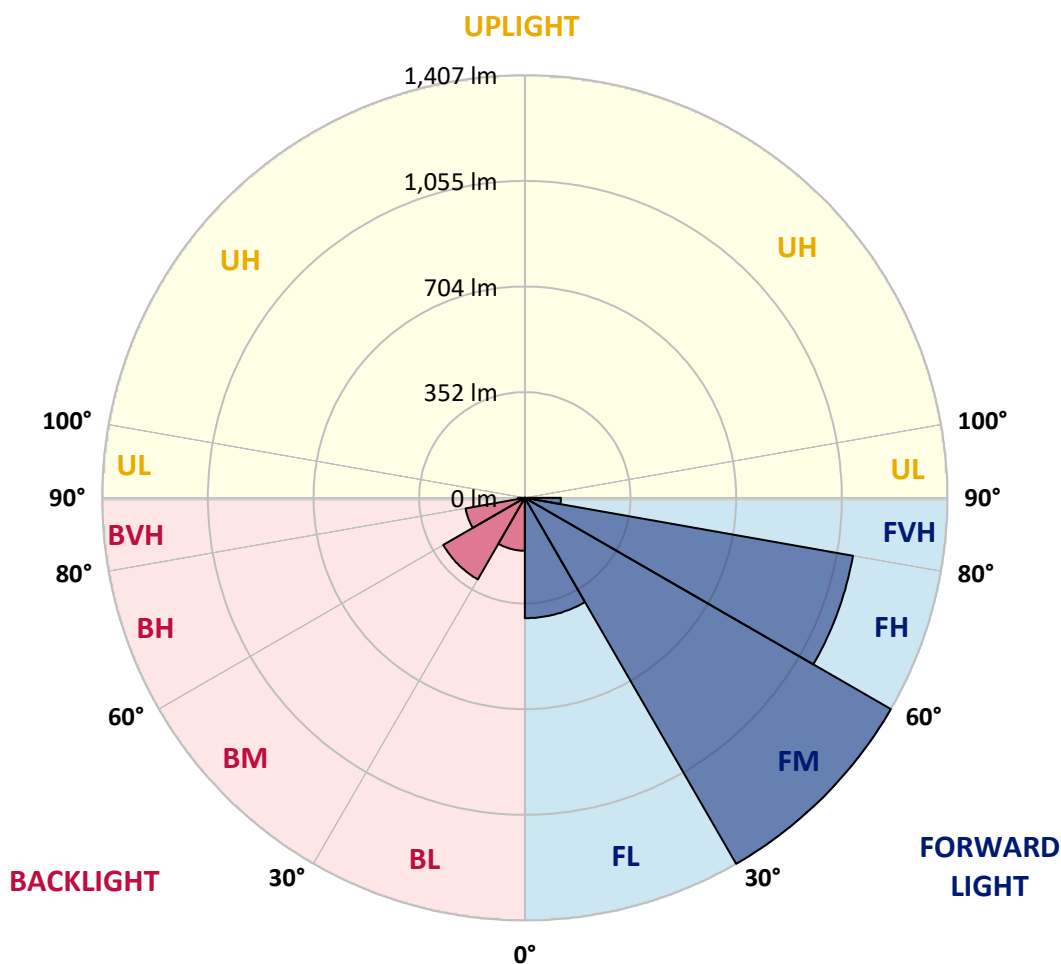


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	400.8	10.7			
FM (30°-60°)	1407.1	37.5			
FH (60°-80°)	1109.4	29.6			G1/1800
FVH (80°-90°)	120.2	3.2			G2/225
BL (0°-30°)	176.4	4.7	B1/500		
BM (30°-60°)	313.6	8.4	B1/1000		
BH (60°-80°)	200.5	5.3	B1/500		G1/500
BVH (80°-90°)	23.4	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2
2.5°	1283.1	1278.1	1283.1	1301.4	1306.3	1314.7	1314.7	1303.0	1281.4	1271.4	1254.8
5°	1311.3	1303.0	1344.6	1382.9	1412.9	1409.5	1381.2	1357.9	1314.7	1249.8	1188.2
7.5°	1254.8	1263.1	1293.0	1392.9	1462.8	1476.1	1431.2	1384.6	1291.4	1201.5	1118.3
10°	1148.3	1159.9	1224.8	1328.0	1437.8	1459.4	1431.2	1374.6	1263.1	1151.6	1055.1
12.5°	1096.7	1123.3	1161.6	1286.4	1364.6	1416.2	1402.9	1366.3	1241.4	1110.0	1016.8
15°	1096.7	1103.3	1159.9	1264.7	1309.7	1311.3	1316.3	1323.0	1248.1	1128.3	1003.5
17.5°	1131.6	1149.9	1198.2	1263.1	1271.4	1251.4	1251.4	1279.7	1261.4	1179.9	1051.7
20°	1216.5	1209.8	1273.1	1299.7	1254.8	1204.8	1199.8	1248.1	1276.4	1234.8	1139.9
22.5°	1301.4	1331.3	1382.9	1323.0	1239.8	1173.2	1166.6	1226.5	1321.3	1329.6	1241.4
25°	1429.5	1459.4	1486.1	1412.9	1238.1	1164.9	1169.9	1216.5	1376.2	1464.4	1411.2
27.5°	1567.6	1585.9	1624.2	1511.0	1278.1	1154.9	1159.9	1229.8	1427.8	1552.6	1544.3
30°	1645.8	1665.8	1657.5	1529.3	1304.7	1161.6	1148.3	1248.1	1399.5	1552.6	1630.9
32.5°	1722.4	1710.7	1705.7	1559.3	1338.0	1203.2	1169.9	1286.4	1416.2	1577.6	1742.4
35°	1815.6	1798.9	1785.6	1617.5	1392.9	1243.1	1228.1	1336.3	1452.8	1629.2	1832.2
37.5°	1918.8	1918.8	1853.8	1660.8	1457.8	1308.0	1291.4	1407.9	1511.0	1660.8	1955.4
40°	2040.2	2045.2	1930.4	1719.1	1531.0	1411.2	1406.2	1501.1	1567.6	1707.4	2073.5
42.5°	2130.1	2133.4	1997.0	1740.7	1615.9	1554.3	1575.9	1650.8	1632.5	1749.0	2081.8
45°	2191.7	2175.0	2043.6	1802.3	1709.1	1769.0	1775.6	1797.3	1717.4	1774.0	2115.1
47.5°	2221.6	2218.3	2063.5	1873.8	1905.4	1987.0	2025.3	1995.3	1795.6	1747.3	2115.1
50°	2251.6	2223.3	2081.8	1972.0	2096.8	2261.6	2253.2	2198.3	1903.8	1780.6	2083.5
52.5°	2271.5	2246.6	2118.4	2060.2	2279.9	2466.3	2499.5	2398.0	2030.2	1842.2	2098.5
55°	2343.1	2323.1	2228.3	2180.0	2491.2	2682.6	2687.6	2546.1	2163.4	1943.7	2196.7
57.5°	2429.6	2441.3	2379.7	2349.8	2652.6	2840.7	2822.4	2656.0	2276.5	2066.9	2309.8
60°	2491.2	2509.5	2494.5	2497.9	2732.5	2893.9	2852.3	2724.2	2359.7	2160.1	2447.9
62.5°	2457.9	2494.5	2556.1	2542.8	2735.8	2855.7	2797.4	2634.3	2369.7	2281.5	2552.8
65°	2366.4	2369.7	2489.6	2562.8	2586.1	2657.6	2581.1	2446.3	2266.6	2356.4	2537.8
67.5°	2131.8	2158.4	2266.6	2409.7	2311.5	2328.1	2321.5	2126.8	2110.1	2304.8	2423.0
70°	1882.1	1900.4	2018.6	2186.7	1952.0	1873.8	1888.8	1744.0	1812.2	2145.1	2191.7
72.5°	1556.0	1567.6	1702.4	1850.5	1566.0	1426.2	1461.1	1343.0	1439.5	1877.1	1848.9
75°	1174.9	1196.5	1301.4	1476.1	1153.2	1063.4	1098.3	1050.1	1139.9	1546.0	1434.5
77.5°	835.4	818.8	948.6	1154.9	867.0	813.8	817.1	825.4	921.9	1303.0	1030.1
80°	569.1	574.1	690.6	847.0	680.6	672.3	664.0	730.6	773.8	1031.8	748.9
82.5°	337.8	337.8	466.0	602.4	537.5	605.7	567.5	627.4	605.7	758.8	490.9
85°	158.1	158.1	239.6	434.3	416.0	499.2	424.4	474.3	447.7	529.2	221.3
87.5°	26.6	23.3	48.3	213.0	171.4	194.7	76.6	252.9	281.2	369.4	54.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2
2.5°	1236.5	1224.8	1201.5	1171.6	1146.6	1115.0	1105.0	1083.4	1053.4	1050.1	1036.8
5°	1164.9	1125.0	1075.0	1013.5	971.9	928.6	892.0	870.3	845.4	842.1	835.4
7.5°	1086.7	1036.8	953.6	880.3	808.8	740.5	707.3	665.7	637.4	615.7	605.7
10°	1013.5	966.9	863.7	763.8	700.6	655.7	615.7	572.5	537.5	510.9	500.9
12.5°	965.2	910.3	798.8	703.9	657.3	605.7	560.8	514.2	469.3	434.3	416.0
15°	943.6	892.0	778.8	674.0	605.7	534.2	482.6	436.0	381.1	356.1	347.8
17.5°	995.2	918.6	772.2	639.0	542.5	461.0	397.7	347.8	307.9	282.9	272.9
20°	1061.7	966.9	783.8	597.4	482.6	391.1	321.2	267.9	241.3	223.0	221.3
22.5°	1146.6	1038.4	802.1	567.5	416.0	314.5	251.3	219.7	201.4	199.7	196.4
25°	1298.0	1168.2	832.1	527.5	362.8	259.6	214.7	196.4	188.0	183.1	186.4
27.5°	1427.8	1253.1	853.7	502.6	341.1	244.6	208.0	188.0	179.7	178.1	179.7
30°	1504.4	1331.3	847.0	456.0	297.9	233.0	221.3	214.7	198.0	184.7	184.7
32.5°	1574.3	1381.2	845.4	414.4	254.6	194.7	184.7	179.7	189.7	196.4	191.4
35°	1670.8	1459.4	840.4	391.1	236.3	179.7	163.1	149.8	143.1	139.8	144.8
37.5°	1774.0	1512.7	827.1	387.7	226.3	171.4	158.1	144.8	138.1	134.8	133.1
40°	1887.1	1569.3	812.1	371.1	221.3	166.4	153.1	141.5	133.1	128.1	126.5
42.5°	1960.4	1614.2	797.1	362.8	211.3	163.1	148.1	138.1	129.8	123.1	123.1
45°	2002.0	1667.5	782.1	354.5	199.7	164.7	148.1	134.8	124.8	121.5	118.2
47.5°	2020.3	1707.4	777.2	341.1	189.7	158.1	144.8	131.5	121.5	114.8	113.2
50°	2068.5	1792.3	795.5	331.2	178.1	151.4	153.1	129.8	119.8	111.5	109.8
52.5°	2096.8	1860.5	835.4	316.2	169.7	143.1	149.8	126.5	114.8	106.5	106.5
55°	2200.0	1973.7	878.7	304.5	159.8	131.5	138.1	119.8	106.5	101.5	101.5
57.5°	2331.5	2093.5	915.3	299.5	153.1	123.1	123.1	116.5	101.5	94.9	93.2
60°	2423.0	2191.7	936.9	296.2	146.4	114.8	109.8	116.5	96.5	89.9	88.2
62.5°	2433.0	2135.1	915.3	294.6	144.8	106.5	99.8	111.5	91.5	84.9	81.5
65°	2369.7	2020.3	855.4	287.9	143.1	98.2	93.2	96.5	84.9	79.9	76.6
67.5°	2243.3	1833.9	768.8	284.6	141.5	91.5	84.9	83.2	78.2	73.2	69.9
70°	1948.7	1590.9	667.3	269.6	138.1	86.5	76.6	74.9	69.9	66.6	64.9
72.5°	1635.8	1301.4	550.8	249.6	131.5	78.2	69.9	66.6	64.9	59.9	58.2
75°	1253.1	1001.8	441.0	221.3	114.8	69.9	61.6	58.2	56.6	53.3	51.6
77.5°	880.3	745.5	326.2	179.7	96.5	63.2	54.9	51.6	49.9	44.9	44.9
80°	597.4	522.5	221.3	124.8	74.9	51.6	48.3	44.9	41.6	38.3	38.3
82.5°	371.1	366.1	159.8	81.5	54.9	41.6	38.3	38.3	33.3	30.0	30.0
85°	169.7	224.7	111.5	56.6	41.6	31.6	31.6	30.0	26.6	21.6	21.6
87.5°	53.3	74.9	58.2	25.0	23.3	18.3	18.3	16.6	16.6	13.3	13.3
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2
2.5°	1050.1	1048.4	1048.4	1041.8	1058.4	1058.4	1068.4	1060.1	1065.0	1066.7	1080.0
5°	833.7	847.0	857.0	877.0	888.6	893.6	893.6	907.0	902.0	911.9	931.9
7.5°	610.7	627.4	657.3	682.3	702.3	708.9	707.3	710.6	715.6	703.9	707.3
10°	494.2	482.6	492.6	515.9	534.2	555.8	539.2	537.5	542.5	537.5	547.5
12.5°	412.7	399.4	391.1	391.1	404.4	414.4	409.4	417.7	436.0	441.0	452.6
15°	334.5	322.8	316.2	307.9	321.2	324.5	329.5	341.1	354.5	361.1	374.4
17.5°	267.9	267.9	267.9	261.3	266.3	271.3	272.9	287.9	289.6	296.2	301.2
20°	219.7	224.7	233.0	236.3	241.3	241.3	238.0	246.3	239.6	244.6	248.0
22.5°	198.0	204.7	208.0	209.7	216.3	218.0	209.7	211.3	213.0	208.0	209.7
25°	186.4	189.7	186.4	188.0	189.7	186.4	188.0	191.4	189.7	193.0	191.4
27.5°	181.4	178.1	176.4	174.7	174.7	171.4	173.1	173.1	176.4	178.1	178.1
30°	181.4	176.4	169.7	164.7	164.7	159.8	163.1	166.4	168.1	171.4	171.4
32.5°	186.4	176.4	164.7	159.8	154.8	151.4	154.8	159.8	166.4	168.1	169.7
35°	148.1	153.1	151.4	144.8	143.1	143.1	141.5	141.5	136.5	136.5	134.8
37.5°	133.1	131.5	134.8	136.5	138.1	133.1	133.1	126.5	124.8	126.5	126.5
40°	124.8	124.8	124.8	129.8	131.5	128.1	123.1	119.8	119.8	119.8	121.5
42.5°	121.5	118.2	116.5	119.8	124.8	121.5	116.5	114.8	114.8	116.5	116.5
45°	116.5	114.8	113.2	111.5	118.2	113.2	111.5	109.8	109.8	109.8	111.5
47.5°	111.5	109.8	106.5	106.5	108.2	106.5	104.8	104.8	104.8	108.2	108.2
50°	108.2	106.5	103.2	103.2	103.2	103.2	101.5	101.5	101.5	103.2	104.8
52.5°	103.2	101.5	99.8	98.2	98.2	98.2	98.2	98.2	98.2	99.8	101.5
55°	98.2	96.5	94.9	94.9	96.5	96.5	94.9	96.5	94.9	96.5	98.2
57.5°	93.2	91.5	89.9	91.5	93.2	91.5	91.5	91.5	91.5	91.5	93.2
60°	86.5	86.5	86.5	86.5	89.9	89.9	89.9	89.9	86.5	88.2	89.9
62.5°	83.2	81.5	81.5	83.2	84.9	84.9	86.5	84.9	83.2	84.9	84.9
65°	76.6	76.6	76.6	78.2	78.2	79.9	79.9	79.9	78.2	79.9	79.9
67.5°	71.6	71.6	71.6	71.6	74.9	74.9	74.9	74.9	73.2	73.2	74.9
70°	63.2	64.9	63.2	66.6	69.9	68.2	69.9	69.9	68.2	66.6	69.9
72.5°	58.2	58.2	58.2	58.2	63.2	63.2	63.2	64.9	63.2	61.6	63.2
75°	51.6	51.6	51.6	53.3	56.6	56.6	56.6	56.6	56.6	54.9	54.9
77.5°	44.9	46.6	44.9	46.6	49.9	48.3	49.9	51.6	49.9	48.3	48.3
80°	38.3	38.3	38.3	39.9	41.6	41.6	41.6	43.3	41.6	39.9	39.9
82.5°	30.0	30.0	31.6	31.6	33.3	33.3	33.3	34.9	33.3	31.6	31.6
85°	23.3	23.3	23.3	25.0	25.0	26.6	26.6	28.3	28.3	26.6	26.6
87.5°	15.0	13.3	15.0	15.0	16.6	16.6	15.0	13.3	15.0	13.3	11.6
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°	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2	1198.2
2.5°	1093.3	1123.3	1144.9	1159.9	1181.5	1223.1	1239.8	1269.7	1278.1	1283.1
5°	940.2	971.9	1018.5	1051.7	1090.0	1168.2	1228.1	1273.1	1293.0	1311.3
7.5°	737.2	778.8	827.1	870.3	933.6	1030.1	1108.3	1201.5	1236.5	1254.8
10°	575.8	614.1	667.3	720.6	808.8	890.3	1001.8	1086.7	1134.9	1148.3
12.5°	485.9	530.9	594.1	659.0	713.9	807.1	920.3	1043.4	1088.3	1096.7
15°	412.7	474.3	539.2	605.7	669.0	750.5	872.0	1021.8	1088.3	1096.7
17.5°	341.1	396.1	472.6	544.2	617.4	728.9	880.3	1040.1	1106.7	1131.6
20°	271.3	324.5	384.4	474.3	574.1	692.3	898.6	1101.7	1189.9	1216.5
22.5°	224.7	248.0	306.2	392.7	510.9	667.3	916.9	1198.2	1291.4	1301.4
25°	196.4	213.0	249.6	331.2	461.0	650.7	960.2	1309.7	1429.5	1429.5
27.5°	183.1	189.7	214.7	287.9	426.0	635.7	1003.5	1432.8	1544.3	1567.6
30°	179.7	196.4	209.7	256.3	387.7	594.1	1043.4	1529.3	1644.2	1645.8
32.5°	176.4	173.1	183.1	223.0	341.1	550.8	1076.7	1627.5	1717.4	1722.4
35°	138.1	144.8	161.4	196.4	306.2	519.2	1093.3	1680.8	1810.6	1815.6
37.5°	129.8	138.1	151.4	181.4	282.9	492.6	1098.3	1784.0	1908.8	1918.8
40°	126.5	133.1	143.1	168.1	264.6	459.3	1108.3	1890.5	2053.5	2040.2
42.5°	119.8	128.1	138.1	161.4	249.6	434.3	1110.0	1948.7	2130.1	2130.1
45°	118.2	123.1	134.8	161.4	233.0	412.7	1083.4	2007.0	2218.3	2191.7
47.5°	111.5	121.5	131.5	156.4	213.0	391.1	1051.7	2036.9	2229.9	2221.6
50°	109.8	119.8	136.5	148.1	201.4	381.1	1045.1	2111.8	2253.2	2251.6
52.5°	106.5	116.5	141.5	141.5	186.4	367.8	1076.7	2145.1	2258.2	2271.5
55°	101.5	116.5	131.5	129.8	173.1	351.1	1111.6	2231.6	2346.4	2343.1
57.5°	98.2	113.2	124.8	118.2	158.1	339.5	1163.2	2314.8	2452.9	2429.6
60°	93.2	113.2	111.5	109.8	146.4	329.5	1206.5	2331.5	2476.2	2491.2
62.5°	89.9	118.2	98.2	101.5	136.5	324.5	1188.2	2206.6	2444.6	2457.9
65°	86.5	101.5	89.9	93.2	133.1	314.5	1116.6	2056.9	2308.2	2366.4
67.5°	79.9	83.2	83.2	86.5	129.8	291.2	970.2	1787.3	2100.1	2131.8
70°	73.2	74.9	74.9	79.9	126.5	264.6	800.5	1546.0	1822.2	1882.1
72.5°	66.6	66.6	66.6	73.2	116.5	243.0	659.0	1188.2	1514.4	1556.0
75°	58.2	58.2	58.2	64.9	104.8	221.3	519.2	883.7	1115.0	1174.9
77.5°	51.6	51.6	49.9	58.2	91.5	179.7	374.4	624.1	785.5	835.4
80°	43.3	41.6	41.6	46.6	71.6	129.8	241.3	441.0	547.5	569.1
82.5°	34.9	33.3	31.6	34.9	51.6	81.5	149.8	307.9	351.1	337.8
85°	33.3	34.9	28.3	26.6	36.6	53.3	94.9	189.7	158.1	158.1
87.5°	13.3	11.6	11.6	10.0	18.3	20.0	41.6	34.9	26.6	26.6
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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