

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: P675837

Luminaire Tested: **CCW-SA-2A-735-U-SLL**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675837
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-735-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SLL distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

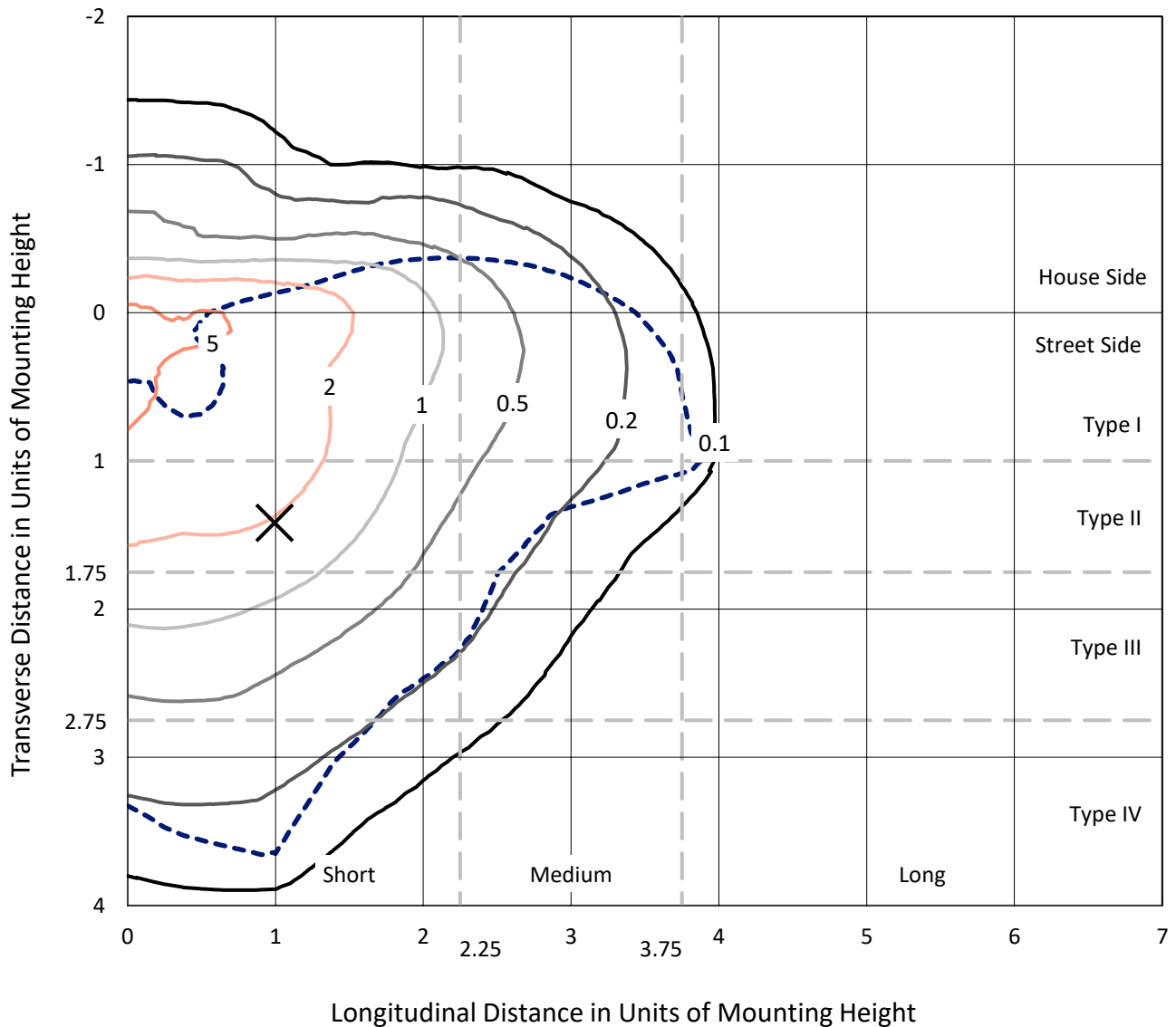
Lumens per Lamp: N/A
Luminaire Lumens: 4477.8 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

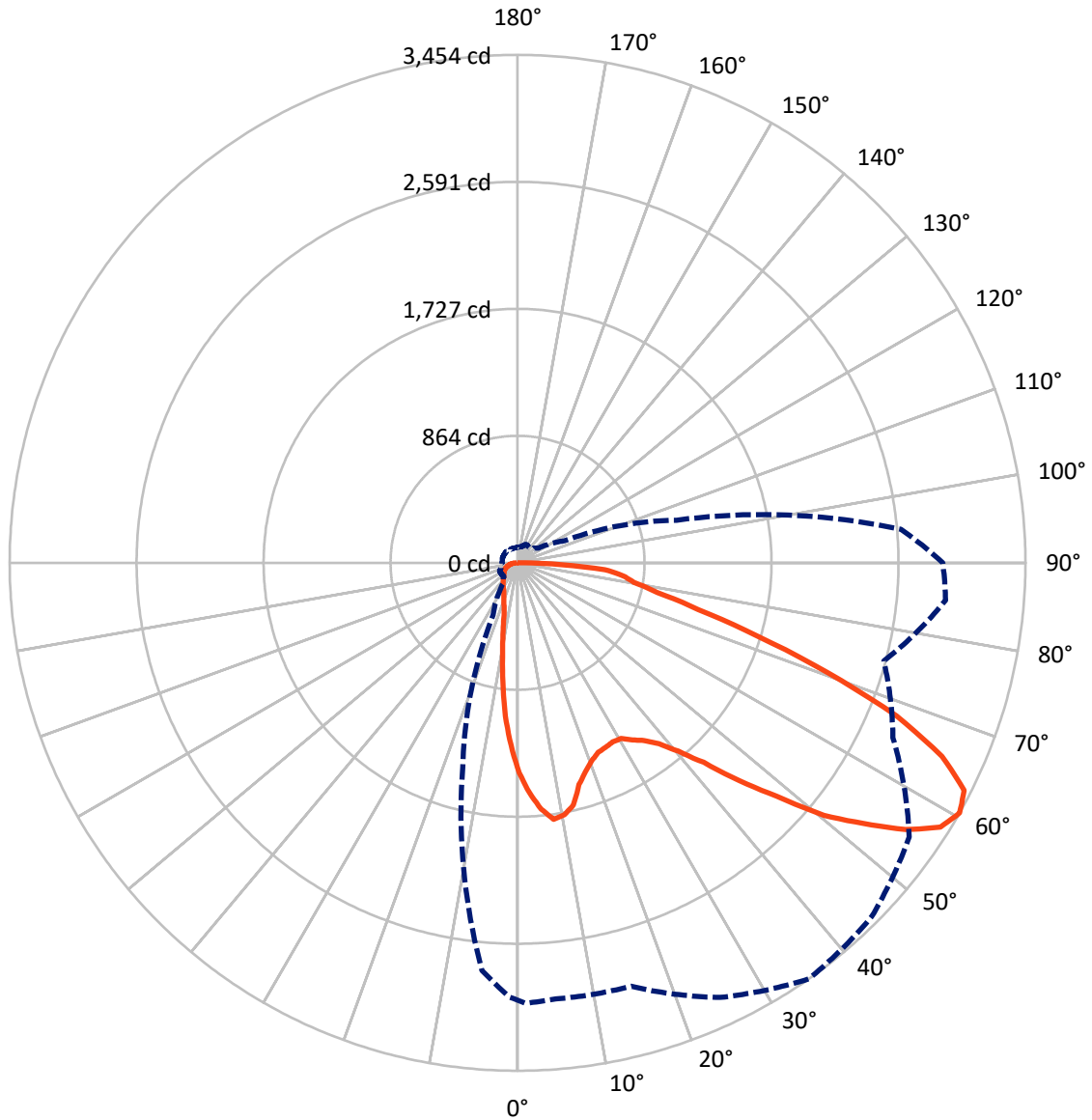
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.2 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	852.2	0.0	852.2
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	3625.6	0.0	3625.6
	% Fixture	81.0	0.0	81.0
Total	Lumens	4477.8	0.0	4477.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	2.5
10°-20°	234.6	5.2
20°-30°	343.2	7.7
30°-40°	483.6	10.8
40°-50°	664.6	14.8
50°-60°	905.7	20.2
60°-70°	991.3	22.1
70°-80°	572.3	12.8
80°-90°	171.4	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°	4477.8	100.0
0°-180°	4477.8	100.0

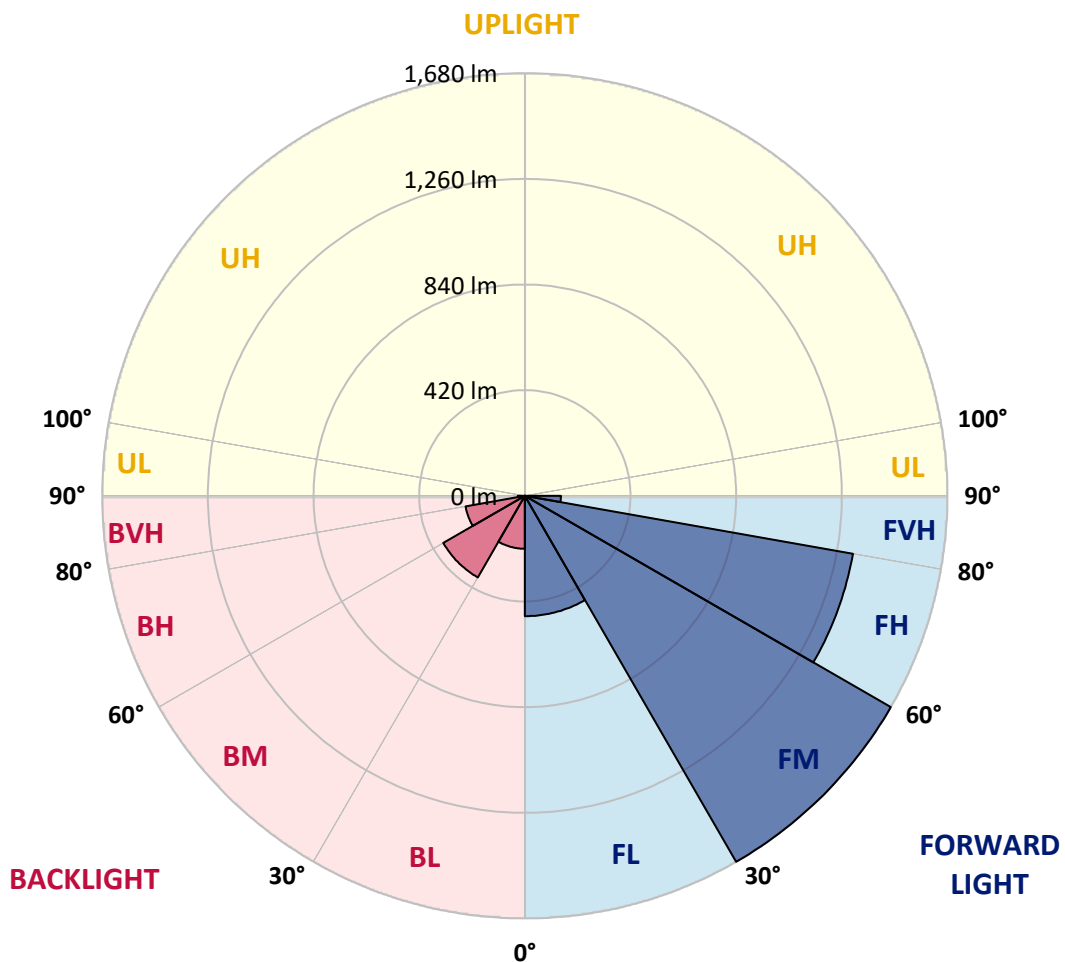


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.4	10.7			
FM (30°-60°)	1679.5	37.5			
FH (60°-80°)	1324.2	29.6			G1/1800
FVH (80°-90°)	143.5	3.2			G2/225
BL (0°-30°)	210.5	4.7	B1/500		
BM (30°-60°)	374.3	8.4	B1/1000		
BH (60°-80°)	239.4	5.3	B1/500		G1/500
BVH (80°-90°)	27.9	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°	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2
2.5°	1531.5	1525.5	1531.5	1553.3	1559.3	1569.2	1569.2	1555.3	1529.5	1517.6	1497.7
5°	1565.2	1555.3	1605.0	1650.7	1686.4	1682.4	1648.7	1620.9	1569.2	1491.7	1418.3
7.5°	1497.7	1507.6	1543.4	1662.6	1746.0	1761.9	1708.3	1652.6	1541.4	1434.1	1334.8
10°	1370.6	1384.5	1462.0	1585.1	1716.2	1742.0	1708.3	1640.7	1507.6	1374.6	1259.3
12.5°	1309.0	1340.8	1386.5	1535.4	1628.8	1690.4	1674.5	1630.8	1481.8	1324.9	1213.7
15°	1309.0	1316.9	1384.5	1509.6	1563.3	1565.2	1571.2	1579.1	1489.8	1346.7	1197.8
17.5°	1350.7	1372.6	1430.2	1507.6	1517.6	1493.7	1493.7	1527.5	1505.7	1408.3	1255.4
20°	1452.0	1444.1	1519.6	1551.3	1497.7	1438.1	1432.2	1489.8	1523.5	1473.9	1360.6
22.5°	1553.3	1589.1	1650.7	1579.1	1479.8	1400.4	1392.4	1463.9	1577.2	1587.1	1481.8
25°	1706.3	1742.0	1773.8	1686.4	1477.8	1390.4	1396.4	1452.0	1642.7	1748.0	1684.4
27.5°	1871.1	1893.0	1938.7	1803.6	1525.5	1378.5	1384.5	1467.9	1704.3	1853.3	1843.3
30°	1964.5	1988.3	1978.4	1825.5	1557.3	1386.5	1370.6	1489.8	1670.5	1853.3	1946.6
32.5°	2055.9	2042.0	2036.0	1861.2	1597.0	1436.1	1396.4	1535.4	1690.4	1883.1	2079.7
35°	2167.1	2147.2	2131.4	1930.7	1662.6	1483.8	1465.9	1595.0	1734.1	1944.6	2187.0
37.5°	2290.3	2290.3	2212.8	1982.4	1740.0	1561.3	1541.4	1680.5	1803.6	1982.4	2334.0
40°	2435.3	2441.2	2304.2	2051.9	1827.4	1684.4	1678.5	1791.7	1871.1	2038.0	2475.0
42.5°	2542.5	2546.5	2383.6	2077.7	1928.7	1855.2	1881.1	1970.5	1948.6	2087.7	2484.9
45°	2616.0	2596.2	2439.2	2151.2	2040.0	2111.5	2119.4	2145.3	2049.9	2117.4	2524.6
47.5°	2651.8	2647.8	2463.1	2236.6	2274.4	2371.7	2417.4	2381.6	2143.3	2085.7	2524.6
50°	2687.5	2653.8	2484.9	2353.8	2502.8	2699.4	2689.5	2624.0	2272.4	2125.4	2486.9
52.5°	2711.4	2681.6	2528.6	2459.1	2721.3	2943.8	2983.5	2862.3	2423.3	2198.9	2504.8
55°	2796.8	2772.9	2659.7	2602.1	2973.6	3202.0	3208.0	3039.1	2582.3	2320.1	2622.0
57.5°	2900.1	2914.0	2840.5	2804.7	3166.2	3390.7	3368.8	3170.2	2717.3	2467.0	2757.1
60°	2973.6	2995.4	2977.5	2981.5	3261.6	3454.3	3404.6	3251.7	2816.6	2578.3	2921.9
62.5°	2933.8	2977.5	3051.0	3035.1	3265.6	3408.6	3339.1	3144.4	2828.6	2723.3	3047.1
65°	2824.6	2828.6	2971.6	3059.0	3086.8	3172.2	3080.8	2919.9	2705.4	2812.7	3029.2
67.5°	2544.5	2576.3	2705.4	2876.2	2759.0	2778.9	2771.0	2538.6	2518.7	2751.1	2892.1
70°	2246.6	2268.4	2409.4	2610.1	2330.0	2236.6	2254.5	2081.7	2163.1	2560.4	2616.0
72.5°	1857.2	1871.1	2032.0	2208.8	1869.2	1702.3	1744.0	1603.0	1718.2	2240.6	2206.8
75°	1402.4	1428.2	1553.3	1761.9	1376.5	1269.3	1311.0	1253.4	1360.6	1845.3	1712.2
77.5°	997.1	977.3	1132.2	1378.5	1034.9	971.3	975.3	985.2	1100.4	1555.3	1229.5
80°	679.3	685.3	824.3	1011.1	812.4	802.5	792.6	872.0	923.7	1231.5	893.9
82.5°	403.2	403.2	556.2	719.1	641.6	723.0	677.3	748.9	723.0	905.8	586.0
85°	188.7	188.7	286.0	518.4	496.6	595.9	506.5	566.1	534.3	631.7	264.2
87.5°	31.8	27.8	57.6	254.3	204.6	232.4	91.4	301.9	335.7	441.0	65.5
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°	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2
2.5°	1475.9	1462.0	1434.1	1398.4	1368.6	1330.9	1318.9	1293.1	1257.4	1253.4	1237.5
5°	1390.4	1342.8	1283.2	1209.7	1160.0	1108.4	1064.7	1038.9	1009.1	1005.1	997.1
7.5°	1297.1	1237.5	1138.2	1050.8	965.4	883.9	844.2	794.5	760.8	734.9	723.0
10°	1209.7	1154.1	1030.9	911.7	836.3	782.6	734.9	683.3	641.6	609.8	597.9
12.5°	1152.1	1086.5	953.4	840.2	784.6	723.0	669.4	613.8	560.2	518.4	496.6
15°	1126.3	1064.7	929.6	804.5	723.0	637.6	576.0	520.4	454.9	425.1	415.1
17.5°	1187.8	1096.5	921.7	762.8	647.5	550.2	474.7	415.1	367.5	337.7	325.8
20°	1267.3	1154.1	935.6	713.1	576.0	466.8	383.4	319.8	288.0	266.2	264.2
22.5°	1368.6	1239.5	957.4	677.3	496.6	375.4	299.9	262.2	240.3	238.4	234.4
25°	1549.4	1394.4	993.2	629.7	433.0	309.9	256.2	234.4	224.5	218.5	222.5
27.5°	1704.3	1495.7	1019.0	599.9	407.2	292.0	248.3	224.5	214.5	212.5	214.5
30°	1795.7	1589.1	1011.1	544.3	355.6	278.1	264.2	256.2	236.4	220.5	220.5
32.5°	1879.1	1648.7	1009.1	494.6	303.9	232.4	220.5	214.5	226.4	234.4	228.4
35°	1994.3	1742.0	1003.1	466.8	282.1	214.5	194.7	178.8	170.8	166.9	172.8
37.5°	2117.4	1805.6	987.2	462.8	270.1	204.6	188.7	172.8	164.9	160.9	158.9
40°	2252.5	1873.1	969.3	443.0	264.2	198.6	182.7	168.8	158.9	152.9	151.0
42.5°	2339.9	1926.8	951.5	433.0	252.3	194.7	176.8	164.9	154.9	147.0	147.0
45°	2389.6	1990.3	933.6	423.1	238.4	196.6	176.8	160.9	149.0	145.0	141.0
47.5°	2411.4	2038.0	927.6	407.2	226.4	188.7	172.8	156.9	145.0	137.1	135.1
50°	2469.0	2139.3	949.5	395.3	212.5	180.8	182.7	154.9	143.0	133.1	131.1
52.5°	2502.8	2220.7	997.1	377.4	202.6	170.8	178.8	151.0	137.1	127.1	127.1
55°	2626.0	2355.8	1048.8	363.5	190.7	156.9	164.9	143.0	127.1	121.2	121.2
57.5°	2782.9	2498.8	1092.5	357.5	182.7	147.0	147.0	139.0	121.2	113.2	111.2
60°	2892.1	2616.0	1118.3	353.6	174.8	137.1	131.1	139.0	115.2	107.3	105.3
62.5°	2904.0	2548.5	1092.5	351.6	172.8	127.1	119.2	133.1	109.2	101.3	97.3
65°	2828.6	2411.4	1021.0	343.6	170.8	117.2	111.2	115.2	101.3	95.3	91.4
67.5°	2677.6	2189.0	917.7	339.7	168.8	109.2	101.3	99.3	93.4	87.4	83.4
70°	2326.0	1898.9	796.5	321.8	164.9	103.3	91.4	89.4	83.4	79.5	77.5
72.5°	1952.6	1553.3	657.5	298.0	156.9	93.4	83.4	79.5	77.5	71.5	69.5
75°	1495.7	1195.8	526.4	264.2	137.1	83.4	73.5	69.5	67.5	63.6	61.6
77.5°	1050.8	889.9	389.3	214.5	115.2	75.5	65.5	61.6	59.6	53.6	53.6
80°	713.1	623.7	264.2	149.0	89.4	61.6	57.6	53.6	49.7	45.7	45.7
82.5°	443.0	437.0	190.7	97.3	65.5	49.7	45.7	45.7	39.7	35.8	35.8
85°	202.6	268.2	133.1	67.5	49.7	37.7	37.7	35.8	31.8	25.8	25.8
87.5°	63.6	89.4	69.5	29.8	27.8	21.8	21.8	19.9	19.9	15.9	15.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2
2.5°	1253.4	1251.4	1251.4	1243.5	1263.3	1263.3	1275.2	1265.3	1271.3	1273.2	1289.1
5°	995.2	1011.1	1023.0	1046.8	1060.7	1066.7	1066.7	1082.6	1076.6	1088.5	1112.4
7.5°	729.0	748.9	784.6	814.4	838.2	846.2	844.2	848.2	854.1	840.2	844.2
10°	589.9	576.0	588.0	615.8	637.6	663.4	643.6	641.6	647.5	641.6	653.5
12.5°	492.6	476.7	466.8	466.8	482.7	494.6	488.6	498.6	520.4	526.4	540.3
15°	399.3	385.4	377.4	367.5	383.4	387.3	393.3	407.2	423.1	431.0	446.9
17.5°	319.8	319.8	319.8	311.9	317.8	323.8	325.8	343.6	345.6	353.6	359.5
20°	262.2	268.2	278.1	282.1	288.0	288.0	284.0	294.0	286.0	292.0	296.0
22.5°	236.4	244.3	248.3	250.3	258.2	260.2	250.3	252.3	254.3	248.3	250.3
25°	222.5	226.4	222.5	224.5	226.4	222.5	224.5	228.4	226.4	230.4	228.4
27.5°	216.5	212.5	210.6	208.6	208.6	204.6	206.6	206.6	210.6	212.5	212.5
30°	216.5	210.6	202.6	196.6	196.6	190.7	194.7	198.6	200.6	204.6	204.6
32.5°	222.5	210.6	196.6	190.7	184.7	180.8	184.7	190.7	198.6	200.6	202.6
35°	176.8	182.7	180.8	172.8	170.8	170.8	168.8	168.8	162.9	162.9	160.9
37.5°	158.9	156.9	160.9	162.9	164.9	158.9	158.9	151.0	149.0	151.0	151.0
40°	149.0	149.0	149.0	154.9	156.9	152.9	147.0	143.0	143.0	143.0	145.0
42.5°	145.0	141.0	139.0	143.0	149.0	145.0	139.0	137.1	137.1	139.0	139.0
45°	139.0	137.1	135.1	133.1	141.0	135.1	133.1	131.1	131.1	131.1	133.1
47.5°	133.1	131.1	127.1	127.1	129.1	127.1	125.1	125.1	125.1	129.1	129.1
50°	129.1	127.1	123.2	123.2	123.2	123.2	121.2	121.2	121.2	123.2	125.1
52.5°	123.2	121.2	119.2	117.2	117.2	117.2	117.2	117.2	117.2	119.2	121.2
55°	117.2	115.2	113.2	113.2	115.2	115.2	113.2	115.2	113.2	115.2	117.2
57.5°	111.2	109.2	107.3	109.2	111.2	109.2	109.2	109.2	109.2	109.2	111.2
60°	103.3	103.3	103.3	103.3	107.3	107.3	107.3	107.3	103.3	105.3	107.3
62.5°	99.3	97.3	97.3	99.3	101.3	101.3	103.3	101.3	99.3	101.3	101.3
65°	91.4	91.4	91.4	93.4	93.4	95.3	95.3	95.3	93.4	95.3	95.3
67.5°	85.4	85.4	85.4	85.4	89.4	89.4	89.4	89.4	87.4	87.4	89.4
70°	75.5	77.5	75.5	79.5	83.4	81.4	83.4	83.4	81.4	79.5	83.4
72.5°	69.5	69.5	69.5	69.5	75.5	75.5	75.5	77.5	75.5	73.5	75.5
75°	61.6	61.6	61.6	63.6	67.5	67.5	67.5	67.5	67.5	65.5	65.5
77.5°	53.6	55.6	53.6	55.6	59.6	57.6	59.6	61.6	59.6	57.6	57.6
80°	45.7	45.7	45.7	47.7	49.7	49.7	49.7	51.6	49.7	47.7	47.7
82.5°	35.8	35.8	37.7	37.7	39.7	39.7	39.7	41.7	39.7	37.7	37.7
85°	27.8	27.8	27.8	29.8	29.8	31.8	31.8	33.8	33.8	31.8	31.8
87.5°	17.9	15.9	17.9	17.9	19.9	19.9	17.9	15.9	17.9	15.9	13.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2	1430.2
2.5°	1305.0	1340.8	1366.6	1384.5	1410.3	1460.0	1479.8	1515.6	1525.5	1531.5
5°	1122.3	1160.0	1215.6	1255.4	1301.1	1394.4	1465.9	1519.6	1543.4	1565.2
7.5°	880.0	929.6	987.2	1038.9	1114.3	1229.5	1322.9	1434.1	1475.9	1497.7
10°	687.3	733.0	796.5	860.1	965.4	1062.7	1195.8	1297.1	1354.7	1370.6
12.5°	580.0	633.6	709.1	786.6	852.1	963.4	1098.5	1245.4	1299.1	1309.0
15°	492.6	566.1	643.6	723.0	798.5	895.8	1040.8	1219.6	1299.1	1309.0
17.5°	407.2	472.8	564.1	649.5	736.9	870.0	1050.8	1241.5	1320.9	1350.7
20°	323.8	387.3	458.8	566.1	685.3	826.3	1072.6	1315.0	1420.2	1452.0
22.5°	268.2	296.0	365.5	468.8	609.8	796.5	1094.5	1430.2	1541.4	1553.3
25°	234.4	254.3	298.0	395.3	550.2	776.7	1146.1	1563.3	1706.3	1706.3
27.5°	218.5	226.4	256.2	343.6	508.5	758.8	1197.8	1710.2	1843.3	1871.1
30°	214.5	234.4	250.3	305.9	462.8	709.1	1245.4	1825.5	1962.5	1964.5
32.5°	210.6	206.6	218.5	266.2	407.2	657.5	1285.2	1942.6	2049.9	2055.9
35°	164.9	172.8	192.7	234.4	365.5	619.7	1305.0	2006.2	2161.1	2167.1
37.5°	154.9	164.9	180.8	216.5	337.7	588.0	1311.0	2129.4	2278.3	2290.3
40°	151.0	158.9	170.8	200.6	315.8	548.2	1322.9	2256.5	2451.2	2435.3
42.5°	143.0	152.9	164.9	192.7	298.0	518.4	1324.9	2326.0	2542.5	2542.5
45°	141.0	147.0	160.9	192.7	278.1	492.6	1293.1	2395.5	2647.8	2616.0
47.5°	133.1	145.0	156.9	186.7	254.3	466.8	1255.4	2431.3	2661.7	2651.8
50°	131.1	143.0	162.9	176.8	240.3	454.9	1247.4	2520.7	2689.5	2687.5
52.5°	127.1	139.0	168.8	168.8	222.5	439.0	1285.2	2560.4	2695.5	2711.4
55°	121.2	139.0	156.9	154.9	206.6	419.1	1326.9	2663.7	2800.8	2796.8
57.5°	117.2	135.1	149.0	141.0	188.7	405.2	1388.5	2763.0	2927.9	2900.1
60°	111.2	135.1	133.1	131.1	174.8	393.3	1440.1	2782.9	2955.7	2973.6
62.5°	107.3	141.0	117.2	121.2	162.9	387.3	1418.3	2633.9	2917.9	2933.8
65°	103.3	121.2	107.3	111.2	158.9	375.4	1332.8	2455.1	2755.1	2824.6
67.5°	95.3	99.3	99.3	103.3	154.9	347.6	1158.0	2133.3	2506.8	2544.5
70°	87.4	89.4	89.4	95.3	151.0	315.8	955.4	1845.3	2175.1	2246.6
72.5°	79.5	79.5	79.5	87.4	139.0	290.0	786.6	1418.3	1807.6	1857.2
75°	69.5	69.5	69.5	77.5	125.1	264.2	619.7	1054.8	1330.9	1402.4
77.5°	61.6	61.6	59.6	69.5	109.2	214.5	446.9	744.9	937.6	997.1
80°	51.6	49.7	49.7	55.6	85.4	154.9	288.0	526.4	653.5	679.3
82.5°	41.7	39.7	37.7	41.7	61.6	97.3	178.8	367.5	419.1	403.2
85°	39.7	41.7	33.8	31.8	43.7	63.6	113.2	226.4	188.7	188.7
87.5°	15.9	13.9	13.9	11.9	21.8	23.8	49.7	41.7	31.8	31.8
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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