

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: P675859

Luminaire Tested: **CCW-SA-2A-750-U-SLL**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675859
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-750-U-SLL
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SLL distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

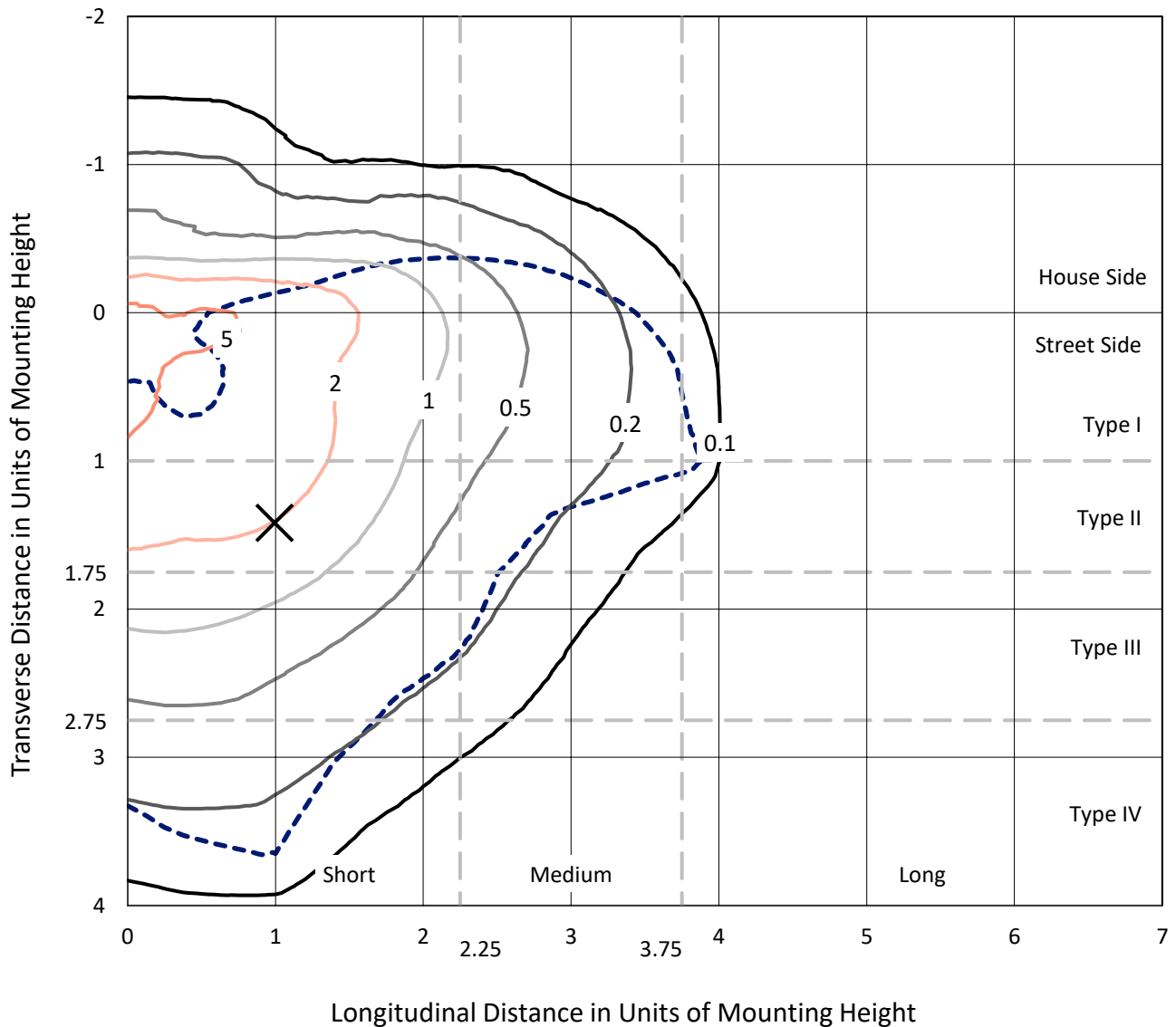
Lumens per Lamp: N/A
Luminaire Lumens: 4643.9 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (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

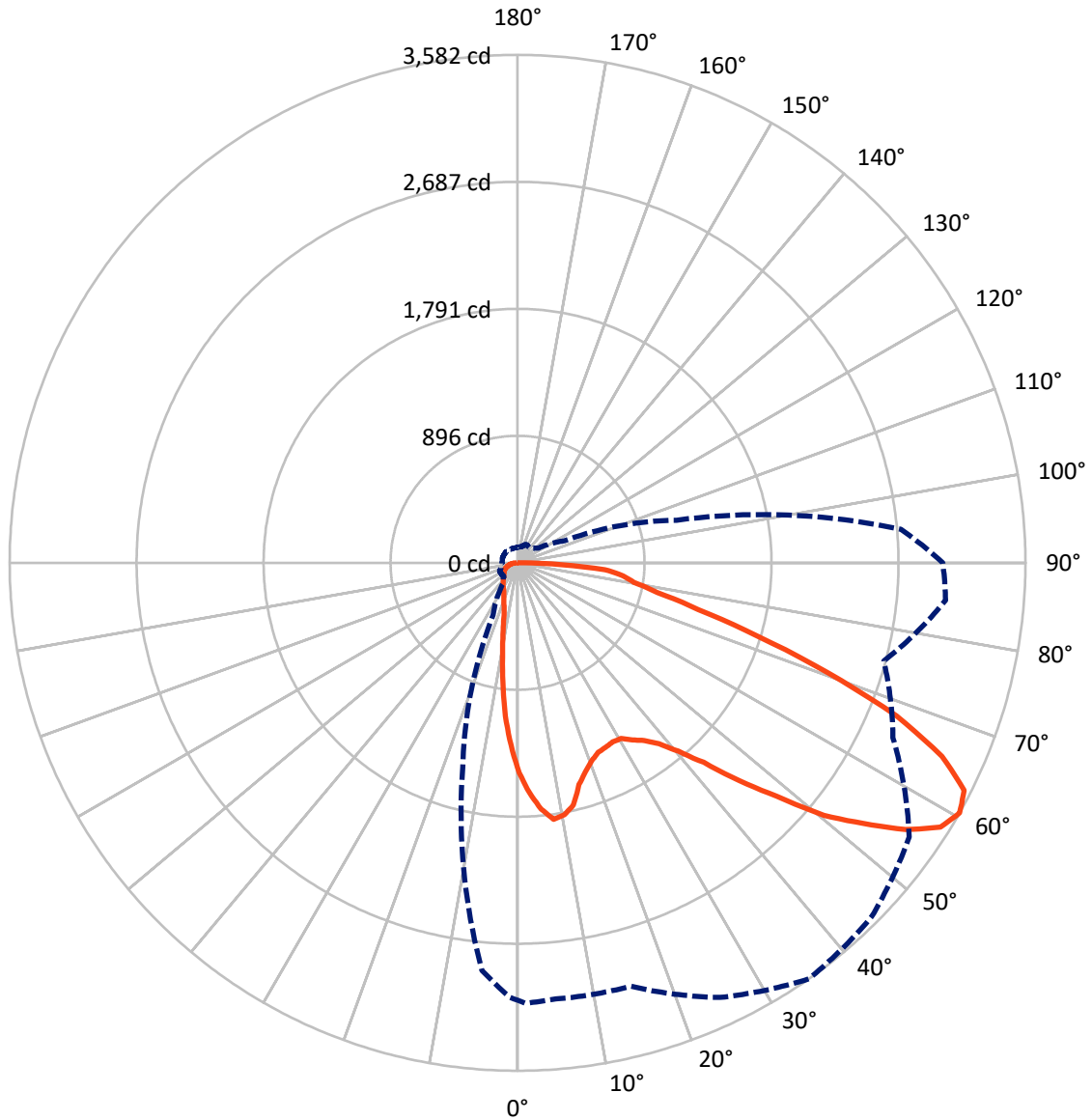
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 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	883.8	0.0	883.8
	% Fixture	19.0	0.0	19.0
Street Side	Lumens	3760.1	0.0	3760.1
	% Fixture	81.0	0.0	81.0
Total	Lumens	4643.9	0.0	4643.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.2	2.5
10°-20°	243.3	5.2
20°-30°	355.9	7.7
30°-40°	501.5	10.8
40°-50°	689.2	14.8
50°-60°	939.3	20.2
60°-70°	1028.1	22.1
70°-80°	593.5	12.8
80°-90°	177.7	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°	4643.9	100.0
0°-180°	4643.9	100.0

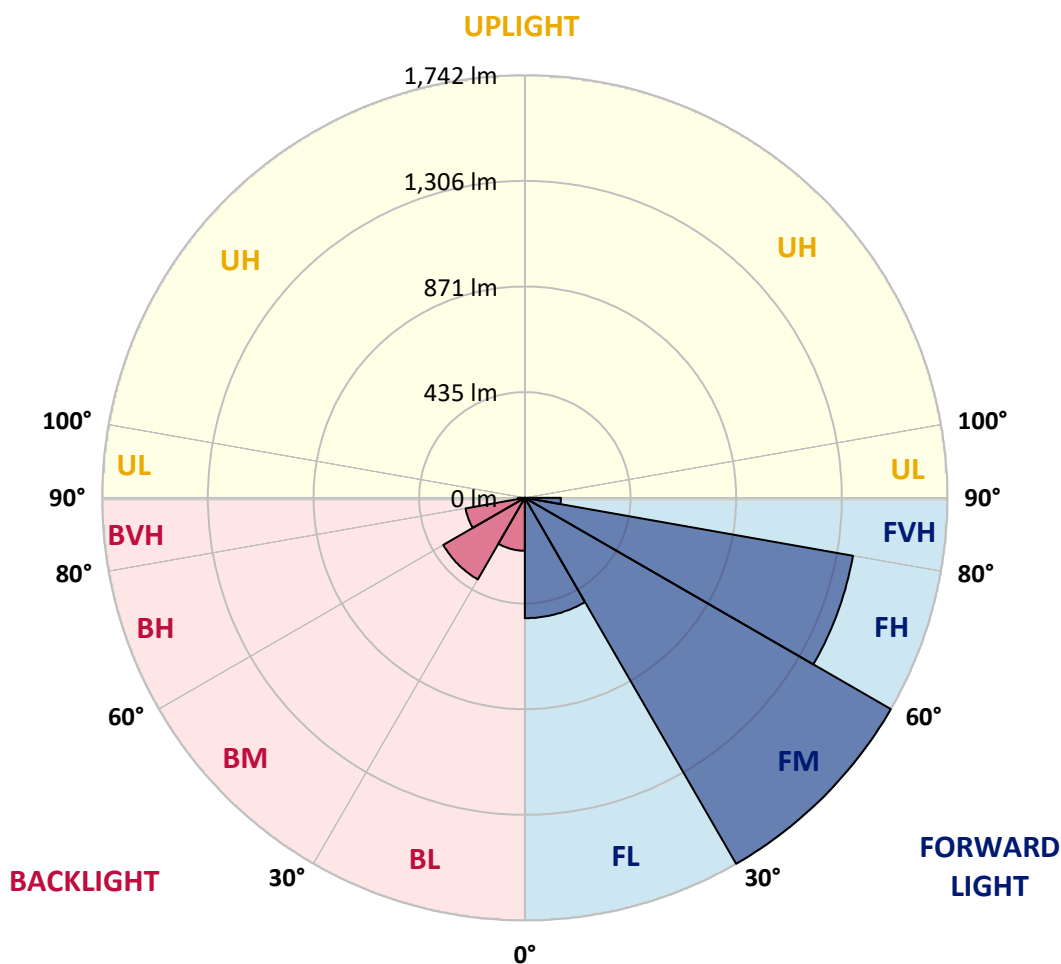


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.1	10.7			
FM (30°-60°)	1741.9	37.5			
FH (60°-80°)	1373.4	29.6			G1/1800
FVH (80°-90°)	148.8	3.2			G2/225
BL (0°-30°)	218.4	4.7	B1/500		
BM (30°-60°)	388.2	8.4	B1/1000		
BH (60°-80°)	248.2	5.3	B1/500		G1/500
BVH (80°-90°)	29.0	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°	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2
2.5°	1588.3	1582.1	1588.3	1611.0	1617.1	1627.4	1627.4	1613.0	1586.2	1573.9	1553.3
5°	1623.3	1613.0	1664.5	1711.9	1749.0	1744.9	1709.8	1681.0	1627.4	1547.1	1470.9
7.5°	1553.3	1563.6	1600.7	1724.3	1810.8	1827.3	1771.7	1714.0	1598.6	1487.4	1384.4
10°	1421.4	1435.9	1516.2	1643.9	1779.9	1806.7	1771.7	1701.6	1563.6	1425.6	1306.1
12.5°	1357.6	1390.5	1437.9	1592.4	1689.2	1753.1	1736.6	1691.3	1536.8	1374.1	1258.7
15°	1357.6	1365.8	1435.9	1565.6	1621.3	1623.3	1629.5	1637.7	1545.0	1396.7	1242.2
17.5°	1400.8	1423.5	1483.2	1563.6	1573.9	1549.2	1549.2	1584.2	1561.5	1460.6	1302.0
20°	1505.9	1497.7	1575.9	1608.9	1553.3	1491.5	1485.3	1545.0	1580.1	1528.6	1411.1
22.5°	1611.0	1648.0	1711.9	1637.7	1534.7	1452.3	1444.1	1518.3	1635.7	1646.0	1536.8
25°	1769.6	1806.7	1839.6	1749.0	1532.7	1442.0	1448.2	1505.9	1703.7	1812.9	1746.9
27.5°	1940.6	1963.2	2010.6	1870.5	1582.1	1429.7	1435.9	1522.4	1767.5	1922.0	1911.7
30°	2037.4	2062.1	2051.8	1893.2	1615.1	1437.9	1421.4	1545.0	1732.5	1922.0	2018.9
32.5°	2132.2	2117.7	2111.6	1930.3	1656.3	1489.4	1448.2	1592.4	1753.1	1952.9	2156.9
35°	2247.5	2226.9	2210.4	2002.4	1724.3	1538.9	1520.3	1654.2	1798.4	2016.8	2268.1
37.5°	2375.2	2375.2	2294.9	2055.9	1804.6	1619.2	1598.6	1742.8	1870.5	2055.9	2420.6
40°	2525.6	2531.8	2389.7	2128.0	1895.3	1746.9	1740.7	1858.2	1940.6	2113.6	2566.8
42.5°	2636.9	2641.0	2472.1	2154.8	2000.3	1924.1	1950.9	2043.6	2020.9	2165.1	2577.1
45°	2713.1	2692.5	2529.8	2231.0	2115.7	2189.8	2198.1	2224.9	2126.0	2196.0	2618.3
47.5°	2750.2	2746.1	2554.5	2319.6	2358.8	2459.7	2507.1	2470.0	2222.8	2163.1	2618.3
50°	2787.3	2752.2	2577.1	2441.2	2595.7	2799.6	2789.3	2721.3	2356.7	2204.3	2579.2
52.5°	2812.0	2781.1	2622.5	2550.4	2822.3	3053.0	3094.2	2968.5	2513.3	2280.5	2597.7
55°	2900.6	2875.8	2758.4	2698.7	3083.9	3320.8	3327.0	3151.9	2678.1	2406.1	2719.3
57.5°	3007.7	3022.1	2945.9	2908.8	3283.7	3516.5	3493.9	3287.9	2818.2	2558.6	2859.4
60°	3083.9	3106.6	3088.0	3092.1	3382.6	3582.4	3530.9	3372.3	2921.2	2674.0	3030.3
62.5°	3042.7	3088.0	3164.2	3147.8	3386.7	3535.1	3463.0	3261.1	2933.5	2824.3	3160.1
65°	2929.4	2933.5	3081.8	3172.5	3201.3	3289.9	3195.2	3028.3	2805.8	2917.0	3141.6
67.5°	2638.9	2671.9	2805.8	2983.0	2861.4	2882.0	2873.8	2632.8	2612.2	2853.2	2999.4
70°	2329.9	2352.6	2498.9	2706.9	2416.4	2319.6	2338.2	2158.9	2243.4	2655.4	2713.1
72.5°	1926.2	1940.6	2107.4	2290.8	1938.5	1765.5	1808.7	1662.5	1782.0	2323.7	2288.7
75°	1454.4	1481.2	1611.0	1827.3	1427.6	1316.4	1359.6	1299.9	1411.1	1913.8	1775.8
77.5°	1034.1	1013.5	1174.2	1429.7	1073.3	1007.4	1011.5	1021.8	1141.3	1613.0	1275.2
80°	704.5	710.7	854.9	1048.6	842.6	832.3	822.0	904.4	957.9	1277.2	927.0
82.5°	418.2	418.2	576.8	745.7	665.4	749.9	702.5	776.6	749.9	939.4	607.7
85°	195.7	195.7	296.6	537.7	515.0	618.0	525.3	587.1	554.2	655.1	274.0
87.5°	33.0	28.8	59.7	263.7	212.2	241.0	94.8	313.1	348.1	457.3	68.0
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°	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2
2.5°	1530.6	1516.2	1487.4	1450.3	1419.4	1380.2	1367.9	1341.1	1304.0	1299.9	1283.4
5°	1442.0	1392.6	1330.8	1254.6	1203.1	1149.5	1104.2	1077.4	1046.5	1042.4	1034.1
7.5°	1345.2	1283.4	1180.4	1089.8	1001.2	916.7	875.5	824.0	789.0	762.2	749.9
10°	1254.6	1196.9	1069.2	945.6	867.3	811.7	762.2	708.7	665.4	632.4	620.1
12.5°	1194.8	1126.9	988.8	871.4	813.7	749.9	694.2	636.6	580.9	537.7	515.0
15°	1168.1	1104.2	964.1	834.3	749.9	661.3	597.4	539.7	471.8	440.9	430.6
17.5°	1231.9	1137.2	955.9	791.1	671.6	570.6	492.4	430.6	381.1	350.2	337.8
20°	1314.3	1196.9	970.3	739.6	597.4	484.1	397.6	331.7	298.7	276.0	274.0
22.5°	1419.4	1285.5	992.9	702.5	515.0	389.4	311.1	271.9	249.3	247.2	243.1
25°	1606.8	1446.2	1030.0	653.0	449.1	321.4	265.7	243.1	232.8	226.6	230.7
27.5°	1767.5	1551.2	1056.8	622.1	422.3	302.8	257.5	232.8	222.5	220.4	222.5
30°	1862.3	1648.0	1048.6	564.5	368.8	288.4	274.0	265.7	245.1	228.7	228.7
32.5°	1948.8	1709.8	1046.5	513.0	315.2	241.0	228.7	222.5	234.8	243.1	236.9
35°	2068.3	1806.7	1040.3	484.1	292.5	222.5	201.9	185.4	177.2	173.0	179.2
37.5°	2196.0	1872.6	1023.8	480.0	280.2	212.2	195.7	179.2	171.0	166.9	164.8
40°	2336.1	1942.6	1005.3	459.4	274.0	206.0	189.5	175.1	164.8	158.6	156.6
42.5°	2426.7	1998.3	986.8	449.1	261.6	201.9	183.3	171.0	160.7	152.4	152.4
45°	2478.3	2064.2	968.2	438.8	247.2	203.9	183.3	166.9	154.5	150.4	146.3
47.5°	2500.9	2113.6	962.0	422.3	234.8	195.7	179.2	162.7	150.4	142.1	140.1
50°	2560.7	2218.7	984.7	410.0	220.4	187.5	189.5	160.7	148.3	138.0	136.0
52.5°	2595.7	2303.1	1034.1	391.4	210.1	177.2	185.4	156.6	142.1	131.8	131.8
55°	2723.4	2443.2	1087.7	377.0	197.8	162.7	171.0	148.3	131.8	125.7	125.7
57.5°	2886.1	2591.6	1133.0	370.8	189.5	152.4	152.4	144.2	125.7	117.4	115.4
60°	2999.4	2713.1	1159.8	366.7	181.3	142.1	136.0	144.2	119.5	111.2	109.2
62.5°	3011.8	2643.1	1133.0	364.6	179.2	131.8	123.6	138.0	113.3	105.1	100.9
65°	2933.5	2500.9	1058.9	356.4	177.2	121.5	115.4	119.5	105.1	98.9	94.8
67.5°	2777.0	2270.2	951.7	352.3	175.1	113.3	105.1	103.0	96.8	90.6	86.5
70°	2412.3	1969.4	826.1	333.7	171.0	107.1	94.8	92.7	86.5	82.4	80.3
72.5°	2025.0	1611.0	681.9	309.0	162.7	96.8	86.5	82.4	80.3	74.2	72.1
75°	1551.2	1240.2	545.9	274.0	142.1	86.5	76.2	72.1	70.0	65.9	63.9
77.5°	1089.8	922.9	403.8	222.5	119.5	78.3	68.0	63.9	61.8	55.6	55.6
80°	739.6	646.9	274.0	154.5	92.7	63.9	59.7	55.6	51.5	47.4	47.4
82.5°	459.4	453.2	197.8	100.9	68.0	51.5	47.4	47.4	41.2	37.1	37.1
85°	210.1	278.1	138.0	70.0	51.5	39.1	39.1	37.1	33.0	26.8	26.8
87.5°	65.9	92.7	72.1	30.9	28.8	22.7	22.7	20.6	20.6	16.5	16.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2
2.5°	1299.9	1297.8	1297.8	1289.6	1310.2	1310.2	1322.6	1312.3	1318.4	1320.5	1337.0
5°	1032.1	1048.6	1060.9	1085.7	1100.1	1106.3	1106.3	1122.7	1116.6	1128.9	1153.6
7.5°	756.0	776.6	813.7	844.6	869.3	877.6	875.5	879.6	885.8	871.4	875.5
10°	611.8	597.4	609.8	638.6	661.3	688.1	667.5	665.4	671.6	665.4	677.8
12.5°	510.9	494.4	484.1	484.1	500.6	513.0	506.8	517.1	539.7	545.9	560.3
15°	414.1	399.7	391.4	381.1	397.6	401.7	407.9	422.3	438.8	447.0	463.5
17.5°	331.7	331.7	331.7	323.4	329.6	335.8	337.8	356.4	358.5	366.7	372.9
20°	271.9	278.1	288.4	292.5	298.7	298.7	294.6	304.9	296.6	302.8	306.9
22.5°	245.1	253.4	257.5	259.6	267.8	269.9	259.6	261.6	263.7	257.5	259.6
25°	230.7	234.8	230.7	232.8	234.8	230.7	232.8	236.9	234.8	239.0	236.9
27.5°	224.5	220.4	218.4	216.3	216.3	212.2	214.2	214.2	218.4	220.4	220.4
30°	224.5	218.4	210.1	203.9	203.9	197.8	201.9	206.0	208.1	212.2	212.2
32.5°	230.7	218.4	203.9	197.8	191.6	187.5	191.6	197.8	206.0	208.1	210.1
35°	183.3	189.5	187.5	179.2	177.2	177.2	175.1	175.1	168.9	168.9	166.9
37.5°	164.8	162.7	166.9	168.9	171.0	164.8	164.8	156.6	154.5	156.6	156.6
40°	154.5	154.5	154.5	160.7	162.7	158.6	152.4	148.3	148.3	148.3	150.4
42.5°	150.4	146.3	144.2	148.3	154.5	150.4	144.2	142.1	142.1	144.2	144.2
45°	144.2	142.1	140.1	138.0	146.3	140.1	138.0	136.0	136.0	136.0	138.0
47.5°	138.0	136.0	131.8	131.8	133.9	131.8	129.8	129.8	129.8	133.9	133.9
50°	133.9	131.8	127.7	127.7	127.7	127.7	125.7	125.7	125.7	127.7	129.8
52.5°	127.7	125.7	123.6	121.5	121.5	121.5	121.5	121.5	121.5	123.6	125.7
55°	121.5	119.5	117.4	117.4	119.5	119.5	117.4	119.5	117.4	119.5	121.5
57.5°	115.4	113.3	111.2	113.3	115.4	113.3	113.3	113.3	113.3	113.3	115.4
60°	107.1	107.1	107.1	107.1	111.2	111.2	111.2	111.2	107.1	109.2	111.2
62.5°	103.0	100.9	100.9	103.0	105.1	105.1	107.1	105.1	103.0	105.1	105.1
65°	94.8	94.8	94.8	96.8	96.8	98.9	98.9	98.9	96.8	98.9	98.9
67.5°	88.6	88.6	88.6	88.6	92.7	92.7	92.7	92.7	90.6	90.6	92.7
70°	78.3	80.3	78.3	82.4	86.5	84.5	86.5	86.5	84.5	82.4	86.5
72.5°	72.1	72.1	72.1	72.1	78.3	78.3	78.3	80.3	78.3	76.2	78.3
75°	63.9	63.9	63.9	65.9	70.0	70.0	70.0	70.0	70.0	68.0	68.0
77.5°	55.6	57.7	55.6	57.7	61.8	59.7	61.8	63.9	61.8	59.7	59.7
80°	47.4	47.4	47.4	49.4	51.5	51.5	51.5	53.6	51.5	49.4	49.4
82.5°	37.1	37.1	39.1	39.1	41.2	41.2	41.2	43.3	41.2	39.1	39.1
85°	28.8	28.8	28.8	30.9	30.9	33.0	33.0	35.0	35.0	33.0	33.0
87.5°	18.5	16.5	18.5	18.5	20.6	20.6	18.5	16.5	18.5	16.5	14.4
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2
2.5°	1353.5	1390.5	1417.3	1435.9	1462.6	1514.1	1534.7	1571.8	1582.1	1588.3
5°	1163.9	1203.1	1260.8	1302.0	1349.3	1446.2	1520.3	1575.9	1600.7	1623.3
7.5°	912.6	964.1	1023.8	1077.4	1155.7	1275.2	1372.0	1487.4	1530.6	1553.3
10°	712.8	760.2	826.1	892.0	1001.2	1102.1	1240.2	1345.2	1405.0	1421.4
12.5°	601.5	657.2	735.4	815.8	883.8	999.1	1139.2	1291.7	1347.3	1357.6
15°	510.9	587.1	667.5	749.9	828.1	929.1	1079.5	1264.9	1347.3	1357.6
17.5°	422.3	490.3	585.1	673.6	764.3	902.3	1089.8	1287.5	1369.9	1400.8
20°	335.8	401.7	475.9	587.1	710.7	857.0	1112.4	1363.8	1472.9	1505.9
22.5°	278.1	306.9	379.1	486.2	632.4	826.1	1135.1	1483.2	1598.6	1611.0
25°	243.1	263.7	309.0	410.0	570.6	805.5	1188.7	1621.3	1769.6	1769.6
27.5°	226.6	234.8	265.7	356.4	527.4	786.9	1242.2	1773.7	1911.7	1940.6
30°	222.5	243.1	259.6	317.2	480.0	735.4	1291.7	1893.2	2035.3	2037.4
32.5°	218.4	214.2	226.6	276.0	422.3	681.9	1332.9	2014.7	2126.0	2132.2
35°	171.0	179.2	199.8	243.1	379.1	642.7	1353.5	2080.7	2241.3	2247.5
37.5°	160.7	171.0	187.5	224.5	350.2	609.8	1359.6	2208.4	2362.9	2375.2
40°	156.6	164.8	177.2	208.1	327.5	568.6	1372.0	2340.2	2542.1	2525.6
42.5°	148.3	158.6	171.0	199.8	309.0	537.7	1374.1	2412.3	2636.9	2636.9
45°	146.3	152.4	166.9	199.8	288.4	510.9	1341.1	2484.4	2746.1	2713.1
47.5°	138.0	150.4	162.7	193.6	263.7	484.1	1302.0	2521.5	2760.5	2750.2
50°	136.0	148.3	168.9	183.3	249.3	471.8	1293.7	2614.2	2789.3	2787.3
52.5°	131.8	144.2	175.1	175.1	230.7	455.3	1332.9	2655.4	2795.5	2812.0
55°	125.7	144.2	162.7	160.7	214.2	434.7	1376.1	2762.5	2904.7	2900.6
57.5°	121.5	140.1	154.5	146.3	195.7	420.3	1440.0	2865.5	3036.5	3007.7
60°	115.4	140.1	138.0	136.0	181.3	407.9	1493.5	2886.1	3065.4	3083.9
62.5°	111.2	146.3	121.5	125.7	168.9	401.7	1470.9	2731.6	3026.2	3042.7
65°	107.1	125.7	111.2	115.4	164.8	389.4	1382.3	2546.2	2857.3	2929.4
67.5°	98.9	103.0	103.0	107.1	160.7	360.5	1201.0	2212.5	2599.8	2638.9
70°	90.6	92.7	92.7	98.9	156.6	327.5	990.9	1913.8	2255.8	2329.9
72.5°	82.4	82.4	82.4	90.6	144.2	300.8	815.8	1470.9	1874.7	1926.2
75°	72.1	72.1	72.1	80.3	129.8	274.0	642.7	1093.9	1380.2	1454.4
77.5°	63.9	63.9	61.8	72.1	113.3	222.5	463.5	772.5	972.3	1034.1
80°	53.6	51.5	51.5	57.7	88.6	160.7	298.7	545.9	677.8	704.5
82.5°	43.3	41.2	39.1	43.3	63.9	100.9	185.4	381.1	434.7	418.2
85°	41.2	43.3	35.0	33.0	45.3	65.9	117.4	234.8	195.7	195.7
87.5°	16.5	14.4	14.4	12.4	22.7	24.7	51.5	43.3	33.0	33.0
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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