

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: P676282

Luminaire Tested: **CCW-SA-2C-740-U-T2-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676282  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2C-740-U-T2-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/  
T2 distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

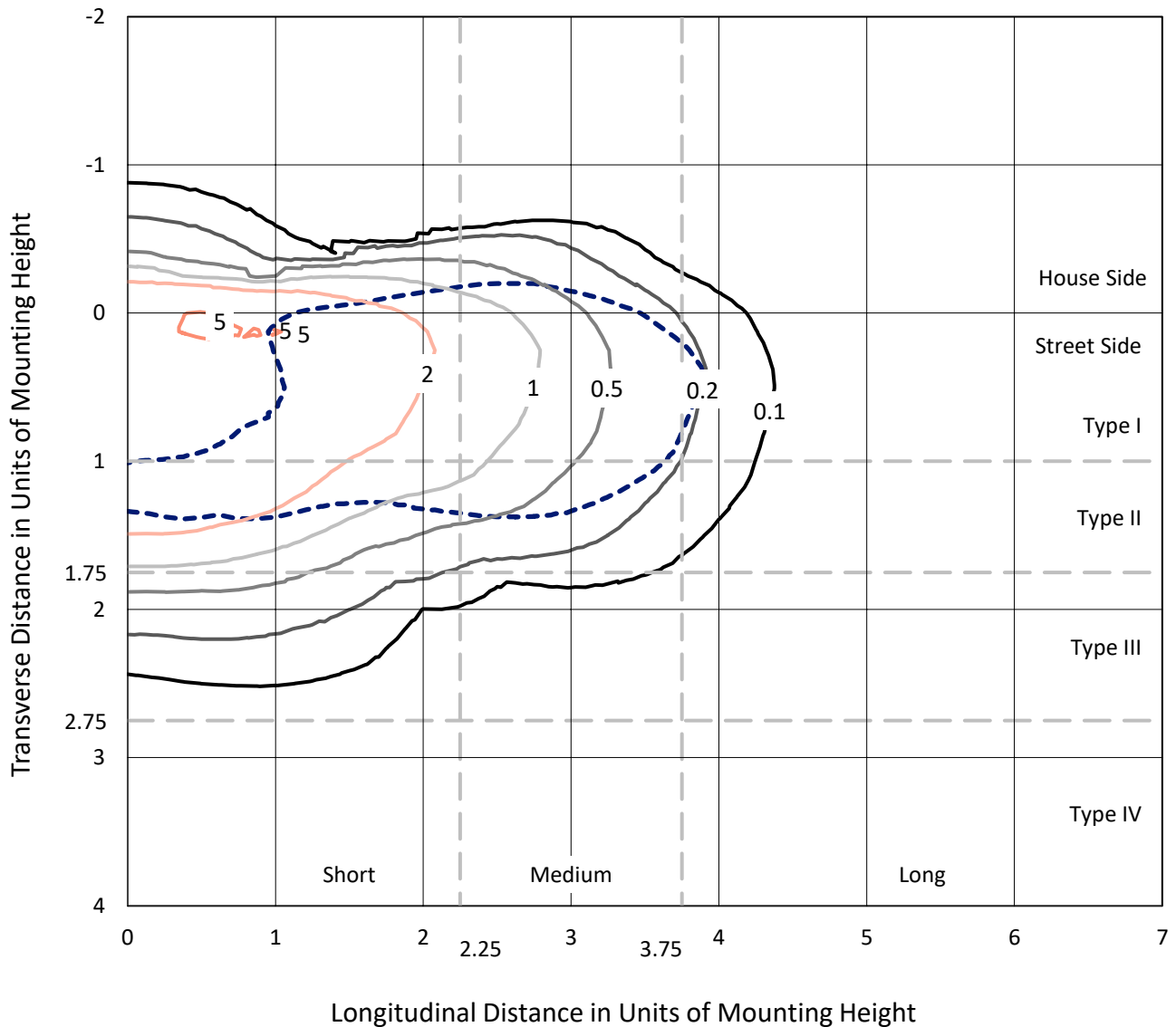
Lumens per Lamp: N/A  
Luminaire Lumens: 6980.4 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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

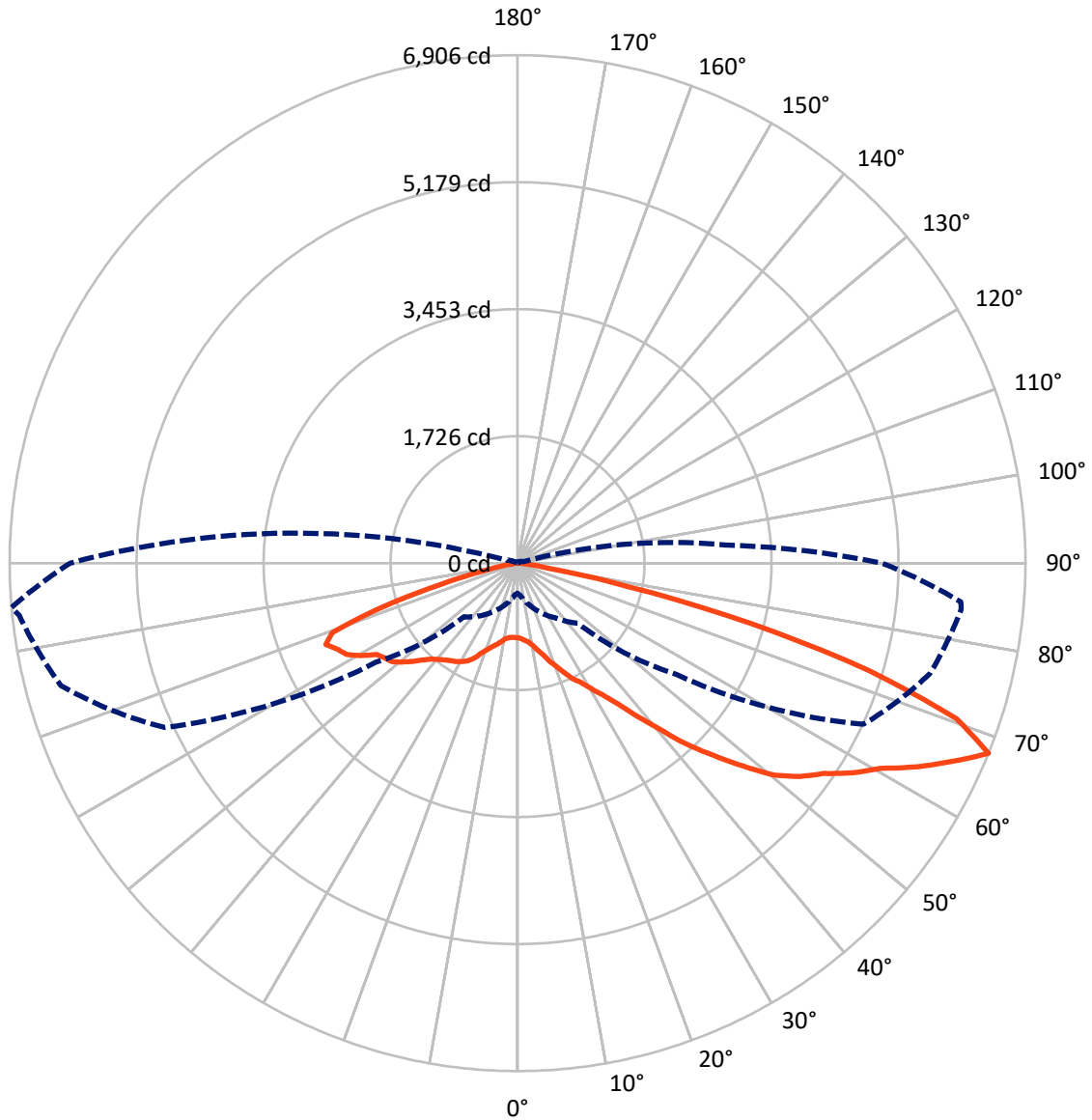
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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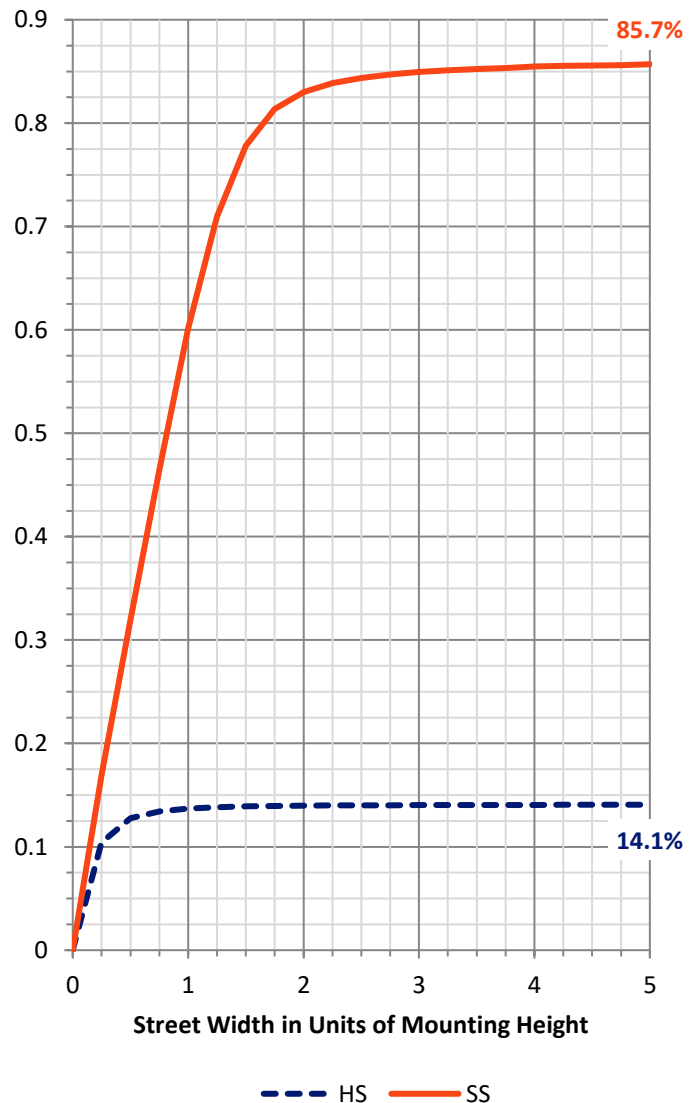
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	991.7	0.0	991.7
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	5988.7	0.0	5988.7
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	6980.4	0.0	6980.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.5	1.3
10°-20°	248.9	3.6
20°-30°	413.3	5.9
30°-40°	711.1	10.2
40°-50°	1277.9	18.3
50°-60°	1819.2	26.1
60°-70°	1658.6	23.8
70°-80°	706.2	10.1
80°-90°	52.6	0.8
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°	6980.4	100.0
0°-180°	6980.4	100.0



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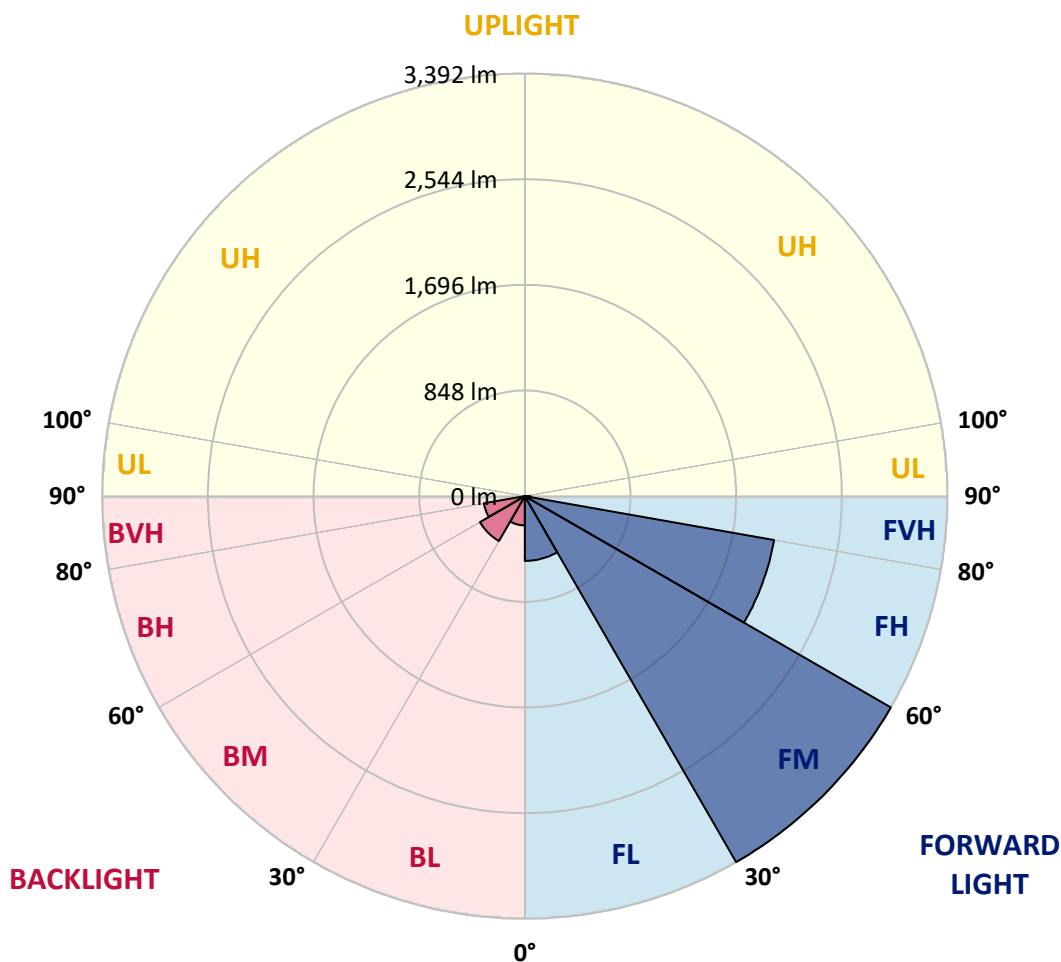
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	520.0	7.4			
FM (30°-60°)	3392.5	48.6			
FH (60°-80°)	2031.6	29.1			G2/5000
FVH (80°-90°)	44.6	0.6			G1/100
BL (0°-30°)	234.8	3.4	B1/500		
BM (30°-60°)	415.8	6.0	B1/1000		
BH (60°-80°)	333.2	4.8	B1/500		G1/500
BVH (80°-90°)	7.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1051.7	1061.6	1061.6	1058.3	1048.3	1041.7	1038.3	1031.7	1025.0	1025.0	1028.4
5°	1061.6	1051.7	1065.0	1048.3	1048.3	1048.3	1061.6	1055.0	1051.7	1035.0	1035.0
7.5°	1061.6	1051.7	1051.7	1061.6	1051.7	1058.3	1075.0	1068.3	1081.6	1051.7	1058.3
10°	1031.7	1028.4	1035.0	1048.3	1051.7	1065.0	1081.6	1114.9	1118.2	1098.3	1094.9
12.5°	971.8	968.5	991.8	998.4	1038.3	1071.6	1121.5	1148.2	1178.1	1168.1	1148.2
15°	928.5	935.2	951.8	978.4	1015.1	1075.0	1131.5	1191.4	1244.7	1231.4	1224.7
17.5°	945.2	941.8	945.2	961.8	1008.4	1068.3	1164.8	1234.7	1311.2	1311.2	1317.9
20°	995.1	1005.1	1001.7	991.8	1015.1	1065.0	1164.8	1288.0	1414.4	1404.4	1404.4
22.5°	1081.6	1084.9	1065.0	1058.3	1055.0	1084.9	1184.8	1354.5	1500.9	1520.9	1514.3
25°	1171.5	1174.8	1168.1	1148.2	1121.5	1128.2	1221.4	1407.8	1620.8	1654.0	1647.4
27.5°	1321.2	1317.9	1301.3	1278.0	1238.0	1208.1	1278.0	1447.7	1713.9	1770.5	1753.9
30°	1471.0	1461.0	1437.7	1407.8	1371.2	1314.6	1347.9	1524.2	1830.4	1883.7	1847.1
32.5°	1654.0	1634.1	1640.7	1594.1	1517.6	1427.7	1421.1	1594.1	1923.6	2000.2	1970.2
35°	1887.0	1863.7	1830.4	1787.2	1713.9	1594.1	1557.5	1707.3	2080.0	2136.6	2136.6
37.5°	2193.2	2216.5	2176.5	1996.8	1917.0	1803.8	1727.3	1823.8	2216.5	2352.9	2319.6
40°	2506.0	2526.0	2452.8	2319.6	2146.6	2006.8	1960.2	2013.5	2422.8	2585.9	2522.7
42.5°	2758.9	2785.6	2758.9	2585.9	2449.4	2269.7	2186.5	2236.4	2689.1	2885.4	2802.2
45°	3025.2	3051.8	3021.9	2908.7	2775.6	2672.4	2462.8	2526.0	2968.6	3261.5	3168.3
47.5°	3224.9	3258.2	3204.9	3181.6	3075.1	3058.5	2702.4	2772.3	3261.5	3640.9	3524.4
50°	3271.5	3308.1	3354.7	3381.3	3344.7	3384.6	3025.2	3085.1	3567.7	3990.3	3877.2
52.5°	3161.6	3198.2	3301.4	3424.6	3594.3	3714.1	3351.3	3401.3	3887.2	4279.9	4220.0
55°	2838.8	2872.1	3081.8	3248.2	3654.2	3850.5	3664.2	3873.8	4116.8	4582.7	4436.3
57.5°	2296.3	2336.3	2612.5	2868.8	3454.5	3774.0	3850.5	4266.5	4496.2	4805.7	4636.0
60°	1630.7	1654.0	1893.7	2346.3	2902.1	3391.3	3813.9	4559.4	4795.7	5105.2	5015.4
62.5°	938.5	958.5	1208.1	1634.1	2189.9	2832.2	3650.9	4835.6	5118.5	5434.7	5384.8
65°	622.3	629.0	798.7	1031.7	1424.4	2086.7	3238.2	5081.9	5438.0	5697.6	5641.0
67.5°	409.3	446.0	579.1	738.8	911.9	1154.8	2639.1	5185.1	5804.1	6063.7	6050.4
70°	292.9	306.2	416.0	569.1	685.6	649.0	1544.2	4456.2	5787.5	6163.5	6053.7
72.5°	173.1	186.4	276.2	426.0	539.1	412.7	722.2	3151.7	4795.7	4918.8	4888.9
75°	126.5	126.5	169.7	306.2	392.7	296.2	339.5	1993.5	3184.9	3457.8	3454.5
77.5°	89.9	93.2	116.5	183.0	302.9	216.3	186.4	1108.2	1740.6	1903.6	1813.8
80°	53.2	56.6	79.9	109.8	219.7	156.4	123.1	505.9	668.9	675.6	642.3
82.5°	39.9	39.9	53.2	76.5	153.1	106.5	76.5	193.0	216.3	196.4	166.4
85°	23.3	20.0	39.9	56.6	89.9	59.9	53.2	89.9	99.8	73.2	66.6
87.5°	6.7	6.7	16.6	20.0	39.9	33.3	23.3	33.3	46.6	26.6	20.0
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°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1021.7	1011.7	995.1	988.4	965.1	955.1	948.5	931.9	935.2	925.2	925.2
5°	1011.7	1011.7	978.4	941.8	905.2	881.9	855.3	822.0	822.0	808.7	812.0
7.5°	1048.3	1021.7	978.4	911.9	852.0	798.7	775.4	742.2	722.2	712.2	712.2
10°	1071.6	1045.0	971.8	891.9	815.4	748.8	698.9	652.3	625.7	625.7	622.3
12.5°	1134.9	1094.9	998.4	888.6	775.4	675.6	599.0	545.8	509.2	482.6	489.2
15°	1188.1	1144.8	1011.7	862.0	705.5	565.8	472.6	372.7	322.8	296.2	286.2
17.5°	1271.3	1191.4	1041.7	815.4	599.0	442.6	306.2	223.0	203.0	199.7	199.7
20°	1341.2	1248.0	1045.0	725.5	492.6	282.9	196.4	183.0	173.1	169.7	166.4
22.5°	1437.7	1321.2	1031.7	622.3	352.8	189.7	166.4	153.1	146.4	136.4	136.4
25°	1537.6	1417.7	1005.1	525.8	216.3	163.1	146.4	133.1	119.8	113.2	116.5
27.5°	1644.1	1491.0	928.5	409.3	166.4	143.1	119.8	109.8	103.2	99.8	99.8
30°	1730.6	1537.6	815.4	272.9	149.8	126.5	106.5	96.5	89.9	86.5	86.5
32.5°	1793.8	1577.5	688.9	183.0	136.4	113.2	96.5	86.5	79.9	76.5	76.5
35°	1900.3	1607.4	572.4	156.4	123.1	99.8	83.2	76.5	69.9	69.9	69.9
37.5°	2063.4	1647.4	455.9	143.1	113.2	89.9	79.9	69.9	66.6	63.2	63.2
40°	2206.5	1697.3	326.1	129.8	103.2	83.2	69.9	63.2	59.9	56.6	56.6
42.5°	2412.8	1753.9	213.0	116.5	93.2	76.5	63.2	56.6	53.2	49.9	49.9
45°	2675.7	1847.1	166.4	103.2	83.2	69.9	59.9	53.2	46.6	46.6	43.3
47.5°	2955.3	1960.2	149.8	96.5	76.5	63.2	53.2	46.6	43.3	39.9	39.9
50°	3214.9	2070.0	139.8	89.9	69.9	59.9	49.9	43.3	36.6	33.3	33.3
52.5°	3447.9	2173.2	133.1	83.2	66.6	53.2	43.3	36.6	33.3	30.0	30.0
55°	3571.0	2219.8	129.8	79.9	59.9	49.9	39.9	33.3	30.0	26.6	26.6
57.5°	3764.0	2279.7	126.5	76.5	56.6	43.3	36.6	30.0	26.6	23.3	23.3
60°	4076.9	2476.1	123.1	73.2	53.2	43.3	33.3	26.6	20.0	16.6	16.6
62.5°	4336.4	2639.1	109.8	63.2	46.6	36.6	26.6	20.0	13.3	10.0	10.0
65°	4632.6	2715.7	96.5	56.6	39.9	30.0	20.0	13.3	10.0	3.3	3.3
67.5°	4955.5	2832.2	79.9	49.9	36.6	23.3	16.6	10.0	3.3	0.0	0.0
70°	4785.7	2685.7	66.6	43.3	33.3	20.0	13.3	6.7	0.0	0.0	0.0
72.5°	3750.7	1923.6	53.2	39.9	30.0	20.0	13.3	3.3	0.0	0.0	0.0
75°	2506.0	1088.3	46.6	33.3	23.3	16.6	10.0	3.3	0.0	0.0	0.0
77.5°	1361.2	489.2	39.9	30.0	20.0	13.3	10.0	3.3	0.0	0.0	0.0
80°	442.6	193.0	33.3	26.6	20.0	13.3	10.0	3.3	0.0	0.0	0.0
82.5°	119.8	59.9	33.3	26.6	20.0	13.3	10.0	3.3	0.0	0.0	0.0
85°	49.9	39.9	33.3	26.6	20.0	13.3	10.0	3.3	0.0	0.0	0.0
87.5°	20.0	13.3	13.3	16.6	13.3	10.0	6.7	3.3	0.0	0.0	0.0
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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	928.5	935.2	938.5	938.5	955.1	971.8	991.8	1008.4	1008.4	1018.4	1028.4
5°	815.4	822.0	832.0	862.0	895.2	931.9	968.5	995.1	1031.7	1048.3	1058.3
7.5°	722.2	728.8	755.5	785.4	832.0	895.2	958.5	1018.4	1055.0	1071.6	1084.9
10°	625.7	635.7	665.6	718.9	778.8	855.3	928.5	1031.7	1091.6	1124.9	1138.2
12.5°	485.9	512.5	552.5	609.0	685.6	802.1	938.5	1045.0	1148.2	1188.1	1214.7
15°	306.2	329.5	392.7	482.6	585.7	722.2	911.9	1065.0	1208.1	1248.0	1291.3
17.5°	196.4	199.7	219.7	316.2	449.3	622.3	871.9	1094.9	1274.6	1331.2	1397.8
20°	166.4	173.1	176.4	189.7	299.5	512.5	788.7	1131.5	1354.5	1431.1	1494.3
22.5°	139.8	143.1	149.8	159.7	179.7	372.7	675.6	1131.5	1424.4	1537.6	1610.8
25°	113.2	119.8	126.5	136.4	156.4	233.0	559.1	1111.6	1507.6	1647.4	1740.6
27.5°	99.8	99.8	106.5	116.5	133.1	163.1	442.6	1051.7	1570.8	1713.9	1837.1
30°	86.5	89.9	93.2	103.2	119.8	143.1	306.2	955.1	1637.4	1843.7	1983.5
32.5°	76.5	76.5	83.2	89.9	106.5	129.8	196.4	808.7	1723.9	1943.6	2139.9
35°	69.9	69.9	73.2	79.9	96.5	116.5	153.1	685.6	1827.1	2133.3	2349.6
37.5°	63.2	63.2	66.6	73.2	86.5	103.2	139.8	589.1	1933.6	2323.0	2639.1
40°	56.6	56.6	59.9	66.6	76.5	93.2	126.5	475.9	2066.7	2602.5	2955.3
42.5°	49.9	49.9	53.2	59.9	69.9	83.2	109.8	356.1	2243.1	2905.4	3364.6
45°	43.3	43.3	46.6	53.2	59.9	76.5	99.8	272.9	2436.1	3241.5	3724.1
47.5°	36.6	39.9	43.3	49.9	56.6	69.9	89.9	239.6	2625.8	3597.6	4123.4
50°	33.3	33.3	36.6	43.3	53.2	63.2	83.2	236.3	2818.9	3870.5	4532.8
52.5°	30.0	30.0	33.3	39.9	49.9	59.9	79.9	242.9	2978.6	4123.4	4819.0
55°	26.6	26.6	30.0	33.3	43.3	56.6	73.2	249.6	3091.8	4379.7	5048.6
57.5°	23.3	23.3	26.6	33.3	39.9	49.9	66.6	256.3	3274.8	4632.6	5381.4
60°	16.6	16.6	23.3	30.0	36.6	43.3	63.2	262.9	3567.7	4982.1	5664.3
62.5°	10.0	10.0	13.3	23.3	30.0	39.9	56.6	249.6	3840.6	5431.4	6097.0
65°	3.3	6.7	10.0	13.3	23.3	33.3	46.6	226.3	4070.2	5880.6	6496.3
67.5°	0.0	0.0	3.3	10.0	20.0	26.6	39.9	166.4	4106.8	6083.7	6905.7
70°	0.0	0.0	3.3	10.0	16.6	26.6	36.6	93.2	3497.8	5434.7	6329.9
72.5°	0.0	0.0	0.0	6.7	16.6	23.3	33.3	69.9	2579.2	4096.8	5002.0
75°	0.0	0.0	0.0	3.3	13.3	20.0	30.0	53.2	1567.5	2732.3	3264.8
77.5°	0.0	0.0	0.0	3.3	10.0	20.0	30.0	46.6	552.5	1301.3	1534.2
80°	0.0	0.0	0.0	6.7	13.3	20.0	26.6	39.9	133.1	326.1	439.3
82.5°	0.0	0.0	0.0	3.3	10.0	16.6	23.3	33.3	53.2	96.5	153.1
85°	0.0	0.0	0.0	3.3	6.7	16.6	23.3	30.0	36.6	46.6	66.6
87.5°	0.0	0.0	0.0	0.0	3.3	6.7	10.0	13.3	13.3	13.3	23.3
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):**

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1	1015.1
2.5°	1025.0	1038.3	1045.0	1058.3	1065.0	1061.6	1058.3	1068.3	1061.6	1051.7
5°	1061.6	1061.6	1071.6	1075.0	1075.0	1065.0	1071.6	1068.3	1061.6	1061.6
7.5°	1101.6	1118.2	1118.2	1098.3	1094.9	1088.3	1088.3	1061.6	1051.7	1061.6
10°	1141.5	1154.8	1158.2	1134.9	1104.9	1091.6	1075.0	1041.7	1025.0	1031.7
12.5°	1224.7	1224.7	1188.1	1161.5	1121.5	1075.0	1035.0	988.4	965.1	971.8
15°	1284.6	1297.9	1248.0	1188.1	1118.2	1031.7	988.4	951.8	938.5	928.5
17.5°	1401.1	1374.5	1294.6	1208.1	1108.2	1018.4	988.4	955.1	945.2	945.2
20°	1500.9	1487.6	1367.8	1211.4	1104.9	1045.0	1025.0	1008.4	1005.1	995.1
22.5°	1637.4	1577.5	1424.4	1248.0	1141.5	1088.3	1081.6	1098.3	1088.3	1081.6
25°	1740.6	1690.6	1467.7	1301.3	1198.1	1181.5	1191.4	1208.1	1181.5	1171.5
27.5°	1880.3	1787.2	1550.9	1371.2	1274.6	1291.3	1324.6	1327.9	1311.2	1321.2
30°	2010.1	1910.3	1614.1	1451.0	1404.4	1421.1	1471.0	1507.6	1484.3	1471.0
32.5°	2196.5	2043.4	1740.6	1584.1	1567.5	1610.8	1667.3	1690.6	1660.7	1654.0
35°	2392.9	2196.5	1870.4	1733.9	1763.9	1823.8	1873.7	1913.6	1867.0	1887.0
37.5°	2699.0	2442.8	2090.0	1970.2	1983.5	2006.8	2100.0	2209.8	2233.1	2193.2
40°	3018.5	2709.0	2293.0	2199.8	2229.8	2293.0	2402.8	2506.0	2559.3	2506.0
42.5°	3387.9	2965.3	2605.9	2496.0	2526.0	2615.8	2762.3	2845.5	2838.8	2758.9
45°	3843.9	3321.4	2898.7	2762.3	2872.1	2952.0	3098.4	3108.4	3045.2	3025.2
47.5°	4193.3	3620.9	3214.9	3128.4	3278.1	3281.4	3314.7	3318.1	3248.2	3224.9
50°	4579.4	3967.0	3567.7	3441.2	3694.1	3577.6	3487.8	3427.9	3321.4	3271.5
52.5°	4958.8	4213.3	3893.8	3764.0	4026.9	3717.4	3554.3	3371.3	3214.9	3161.6
55°	5161.8	4619.3	4369.7	4066.9	4100.1	3757.4	3348.0	3118.4	2852.1	2838.8
57.5°	5401.4	4892.2	4772.4	4273.2	3977.0	3477.8	2918.7	2615.8	2329.6	2296.3
60°	5684.3	5324.9	5198.4	4239.9	3541.0	2922.0	2313.0	1923.6	1654.0	1630.7
62.5°	6000.5	5837.4	5461.3	3913.8	2812.2	2056.7	1527.6	1201.4	951.8	938.5
65°	6499.7	6266.7	5601.1	3294.8	1860.4	1317.9	1015.1	778.8	629.0	622.3
67.5°	6812.5	6429.8	5288.3	2349.6	1031.7	871.9	712.2	565.8	436.0	409.3
70°	6369.9	5900.6	4183.3	1344.5	599.0	662.3	549.1	379.4	299.5	292.9
72.5°	5088.6	4379.7	2815.5	632.3	372.7	519.2	399.4	256.3	179.7	173.1
75°	3471.1	2755.6	1767.2	292.9	262.9	379.4	292.9	149.8	126.5	126.5
77.5°	1550.9	1404.4	905.2	179.7	196.4	289.5	169.7	103.2	93.2	89.9
80°	472.6	495.9	369.4	123.1	146.4	219.7	103.2	69.9	56.6	53.2
82.5°	159.7	186.4	166.4	73.2	99.8	156.4	69.9	46.6	39.9	39.9
85°	76.5	93.2	83.2	46.6	53.2	76.5	56.6	36.6	23.3	23.3
87.5°	30.0	43.3	30.0	20.0	30.0	39.9	23.3	16.6	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)