

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: P180528

Luminaire Tested: **ICS-E02-LED-E1-SL2**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180528  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICS-E02-LED-E1-SL2  
Description: ICON SITE SMALL LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5499.4 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1

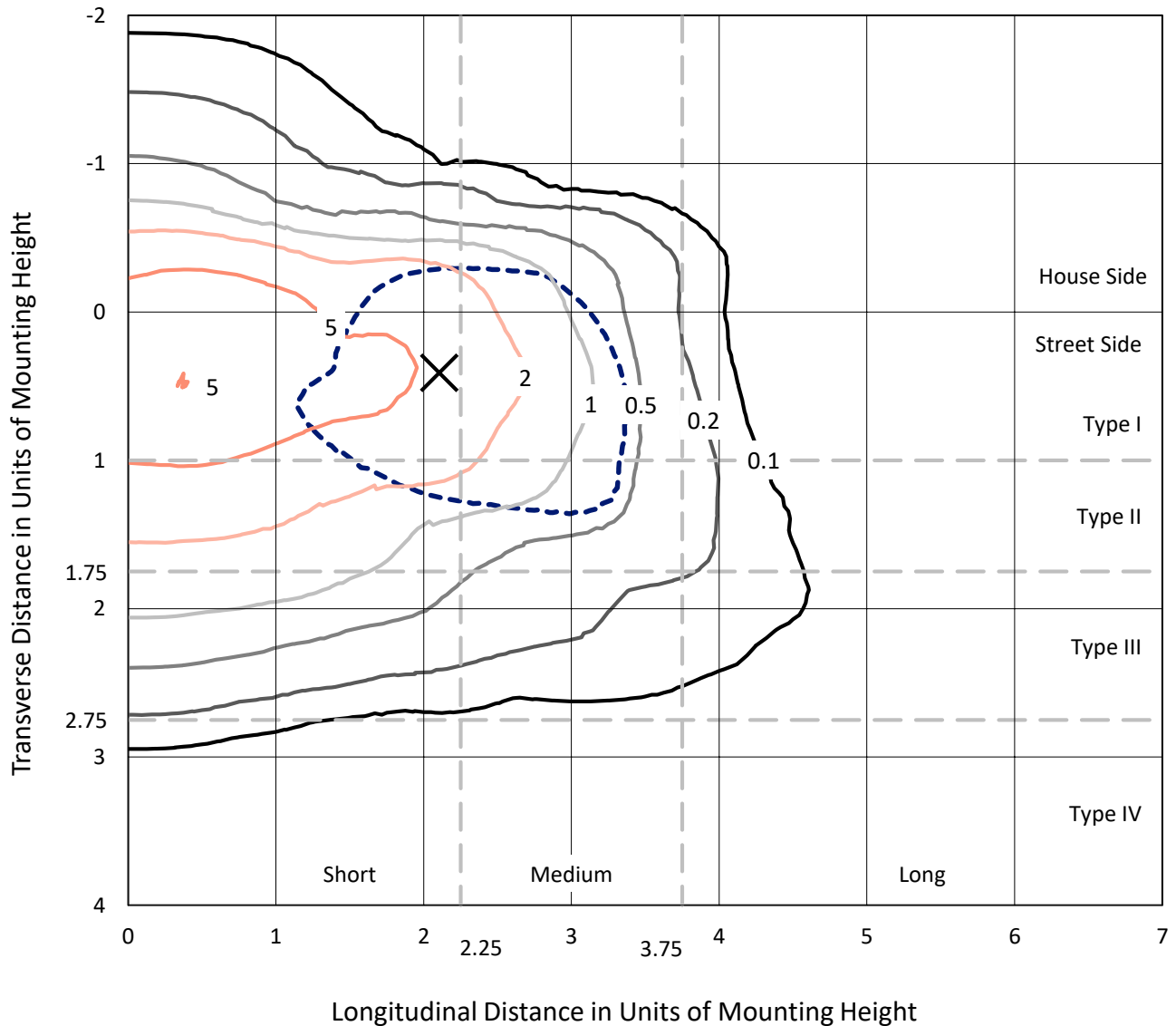
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

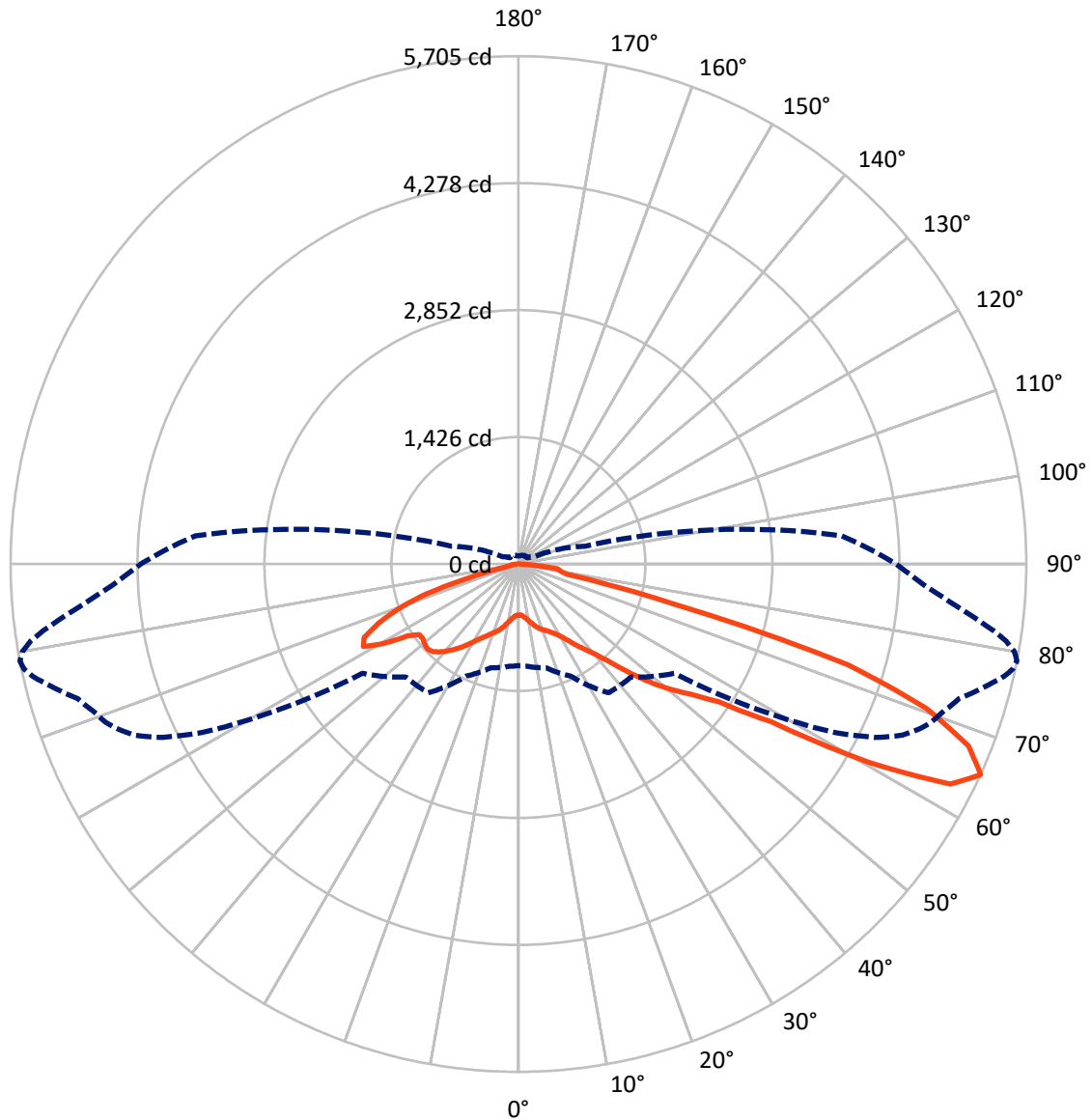
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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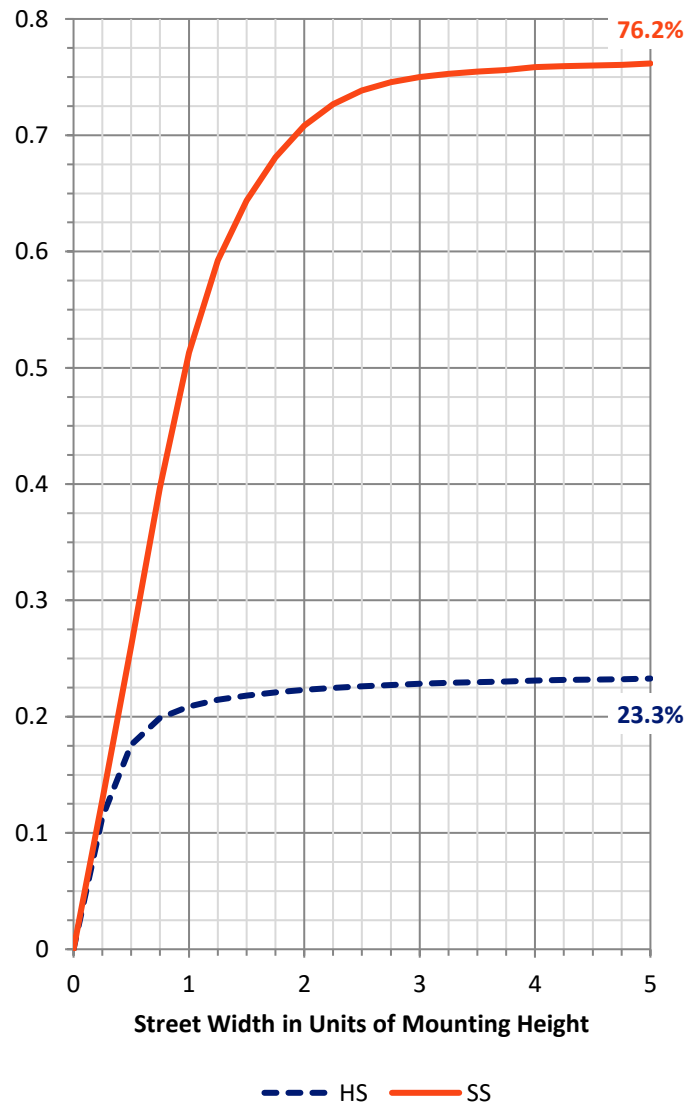
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1300.0	0.0	1300.0
	% Fixture	23.6	0.0	23.6
<b>Street Side</b>	Lumens	4199.4	0.0	4199.4
	% Fixture	76.4	0.0	76.4
<b>Total</b>	Lumens	5499.4	0.0	5499.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.9	1.0
10°-20°	186.1	3.4
20°-30°	321.4	5.8
30°-40°	532.0	9.7
40°-50°	902.2	16.4
50°-60°	1198.7	21.8
60°-70°	1548.5	28.2
70°-80°	649.4	11.8
80°-90°	104.3	1.9
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°	5499.4	100.0
0°-180°	5499.4	100.0



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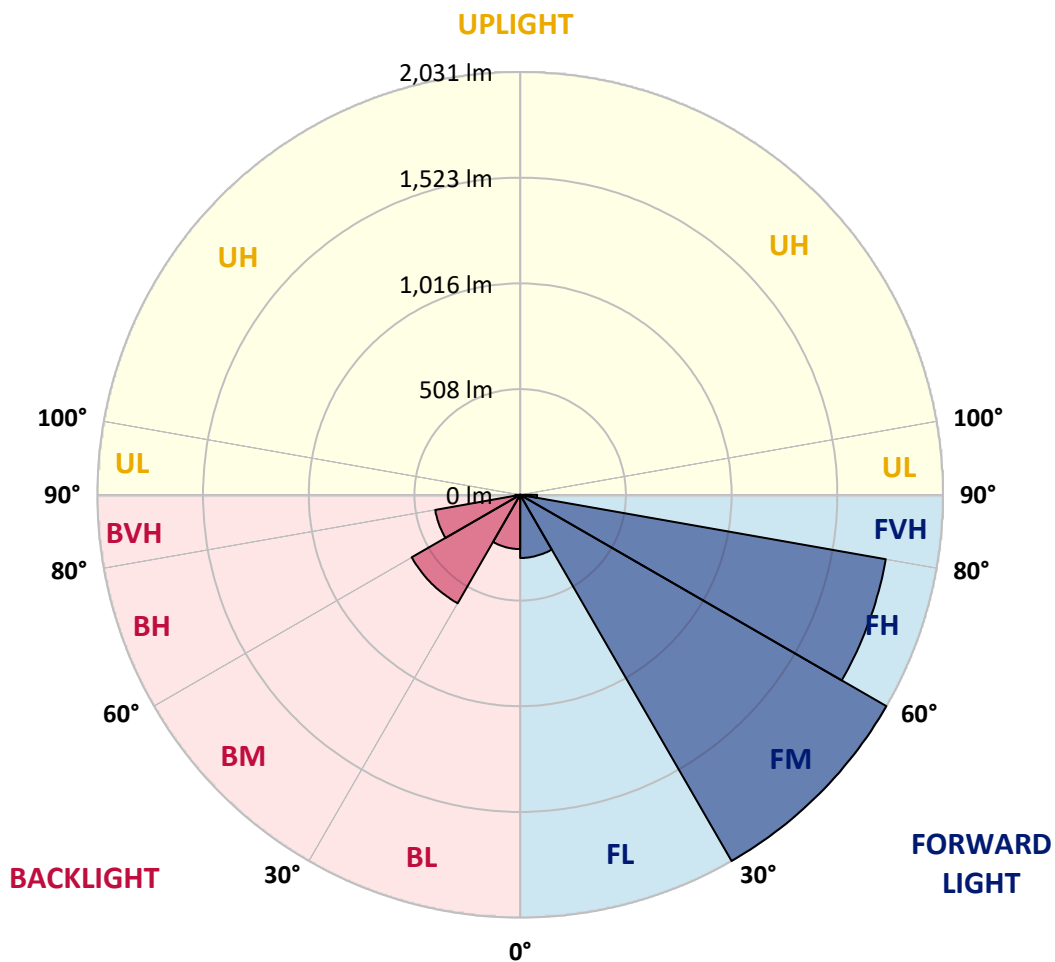
CATALOG NUMBER: ICS-E02-LED-E1-SL2

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	303.4	5.5			
FM	(30°-60°)	2031.1	36.9			
FH	(60°-80°)	1783.3	32.4			G1/1800
FVH	(80°-90°)	81.6	1.5			G1/100
BL	(0°-30°)	260.9	4.7	B1/500		
BM	(30°-60°)	601.8	10.9	B1/1000		
BH	(60°-80°)	414.6	7.5	B1/500		G1/500
BVH	(80°-90°)	22.8	0.4			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4
2.5°	570.6	572.4	571.2	572.4	573.6	574.2	575.4	574.8	574.8	575.4	574.2
5°	570.6	570.6	572.4	575.4	576.6	580.2	584.4	583.8	584.4	583.8	585.0
7.5°	582.6	582.0	583.8	587.4	588.6	594.0	601.2	602.4	603.6	603.6	605.4
10°	603.6	603.0	604.8	606.6	608.4	612.6	622.8	627.0	627.6	628.2	630.6
12.5°	630.0	629.4	627.0	627.0	626.4	634.2	648.0	655.8	657.0	659.4	661.2
15°	648.6	646.8	643.2	640.8	643.8	656.4	676.8	685.8	687.0	688.8	693.6
17.5°	666.6	664.8	657.0	651.0	655.2	675.6	703.2	712.8	715.2	717.0	722.4
20°	691.8	690.6	679.2	664.8	663.6	690.0	723.6	736.2	738.0	740.4	745.8
22.5°	730.2	724.8	711.6	684.6	671.4	698.4	738.0	755.4	757.8	760.2	767.4
25°	778.2	775.8	753.0	711.6	684.0	706.8	753.6	775.2	778.8	781.8	791.4
27.5°	828.0	824.4	799.8	745.8	706.2	723.6	778.2	802.8	807.6	812.4	821.4
30°	872.4	871.2	850.8	792.0	742.2	755.4	817.8	847.8	853.2	859.2	867.6
32.5°	976.9	977.5	956.5	896.4	829.2	813.0	874.8	919.9	922.3	929.5	944.5
35°	1176.7	1179.1	1171.3	1123.9	1048.3	981.7	987.7	1032.1	1034.5	1040.5	1054.9
37.5°	1310.5	1315.3	1339.3	1354.3	1315.9	1285.3	1209.1	1191.7	1193.5	1189.9	1186.9
40°	1384.3	1391.5	1454.5	1532.5	1574.5	1575.1	1542.1	1465.3	1435.9	1427.5	1391.5
42.5°	1426.3	1438.3	1527.7	1660.9	1781.5	1864.3	1884.7	1799.5	1777.9	1739.5	1670.5
45°	1453.9	1468.3	1573.9	1756.3	1933.9	2074.9	2181.1	2143.3	2128.9	2105.5	2041.9
47.5°	1449.1	1460.5	1570.3	1788.7	2013.7	2214.1	2402.5	2441.5	2424.1	2418.1	2374.9
50°	1361.5	1371.7	1483.3	1708.3	1969.9	2266.9	2542.9	2653.3	2653.3	2664.7	2651.5
52.5°	1267.9	1276.3	1377.7	1579.9	1828.3	2215.3	2620.9	2804.0	2828.0	2847.8	2879.0
55°	1232.5	1242.7	1319.5	1492.3	1707.7	2067.7	2647.3	2916.8	2961.2	2994.8	3065.6
57.5°	1249.3	1259.5	1314.1	1444.9	1636.9	1917.1	2648.5	3068.6	3154.4	3223.4	3366.8
60°	1321.9	1331.5	1377.1	1488.7	1618.3	1830.1	2597.5	3310.4	3447.2	3576.8	3815.6
62.5°	1288.3	1300.3	1366.9	1561.3	1756.9	1764.1	2413.3	3497.6	3717.8	3909.2	4289.0
65°	1141.3	1153.9	1206.1	1387.9	1765.3	1792.9	2140.3	3501.2	3774.8	4033.4	4443.2
67.5°	866.4	871.2	912.6	1058.5	1411.9	1824.7	1859.5	3086.6	3347.0	3635.6	4058.6
70°	442.8	451.2	463.2	584.4	909.0	1507.9	1597.9	2274.7	2606.5	2904.8	3413.0
72.5°	153.6	156.6	168.6	223.2	442.8	989.5	1398.7	1558.9	1759.3	2038.3	2626.9
75°	92.4	92.4	96.6	112.8	202.2	515.4	1244.5	1273.3	1300.3	1393.9	1779.1
77.5°	73.2	74.4	74.4	77.4	112.2	264.6	945.1	1183.9	1187.5	1196.5	1261.3
80°	52.2	54.6	59.4	61.8	72.6	145.2	530.4	1039.3	1110.1	1144.3	1191.7
82.5°	39.0	41.4	50.4	53.4	56.4	81.0	238.2	717.0	846.0	914.4	1081.3
85°	17.4	20.4	34.2	37.8	39.6	43.2	111.6	204.0	234.6	263.4	347.4
87.5°	3.0	3.0	5.4	7.8	11.4	10.8	24.6	34.8	35.4	41.4	46.2
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):**

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4
2.5°	574.2	574.2	574.2	573.6	574.2	574.2	574.2	574.2	574.8	574.8	574.8
5°	586.8	585.6	586.2	586.2	586.2	585.6	586.8	586.2	586.8	588.6	588.0
7.5°	605.4	606.6	607.2	607.8	607.8	607.8	608.4	609.6	609.6	611.4	610.8
10°	633.0	632.4	633.0	634.8	636.6	637.2	639.0	638.4	639.6	642.0	644.4
12.5°	662.4	663.6	665.4	667.2	670.2	670.8	672.6	673.2	676.8	676.8	679.2
15°	695.4	696.0	699.6	700.2	703.8	705.0	708.0	709.2	713.4	714.0	716.4
17.5°	725.4	726.6	728.4	730.2	734.4	736.2	738.6	741.0	744.6	745.8	750.0
20°	749.4	751.8	752.4	756.0	759.6	762.0	764.4	766.8	770.4	772.2	776.4
22.5°	771.0	773.4	775.2	778.2	780.6	784.2	785.4	789.6	793.2	796.2	799.8
25°	794.4	798.0	799.8	805.2	807.0	810.6	813.6	817.8	822.6	826.2	831.0
27.5°	827.4	832.8	835.2	841.2	845.4	847.2	852.0	858.0	862.2	866.4	871.2
30°	873.0	883.2	885.0	889.2	897.0	898.2	904.2	909.0	915.6	919.9	924.1
32.5°	943.9	956.5	957.7	962.5	969.1	971.5	976.3	981.7	991.9	993.7	1000.3
35°	1052.5	1057.9	1062.7	1064.5	1069.9	1072.9	1076.5	1082.5	1092.7	1091.5	1098.7
37.5°	1182.7	1184.5	1185.1	1179.1	1180.3	1174.9	1181.5	1182.7	1186.3	1189.3	1196.5
40°	1368.7	1350.1	1347.7	1333.3	1318.9	1311.1	1308.1	1296.1	1299.1	1300.3	1306.3
42.5°	1640.5	1604.5	1574.5	1554.1	1518.7	1501.3	1477.9	1459.3	1444.9	1450.3	1452.7
45°	1984.9	1933.3	1885.3	1822.9	1776.7	1743.7	1702.3	1665.1	1648.3	1640.5	1650.1
47.5°	2328.7	2283.1	2226.7	2162.5	2089.3	2034.7	1965.7	1905.1	1863.1	1847.5	1855.9
50°	2625.7	2583.7	2541.1	2503.3	2418.1	2358.7	2264.5	2185.9	2119.9	2086.3	2077.3
52.5°	2872.4	2850.2	2827.4	2795.6	2727.1	2667.7	2592.7	2515.3	2427.7	2359.3	2335.9
55°	3092.6	3105.8	3094.4	3095.0	3068.0	3030.2	2966.6	2909.0	2847.8	2770.4	2737.9
57.5°	3413.6	3491.6	3507.2	3546.2	3565.4	3585.8	3603.8	3569.6	3554.0	3496.4	3497.0
60°	3919.4	4033.4	4132.4	4222.4	4296.2	4368.2	4443.8	4477.4	4514.6	4532.0	4591.4
62.5°	4457.6	4566.2	4713.9	4834.5	4902.3	4995.9	5078.1	5131.5	5196.9	5266.5	5357.1
65°	4590.8	4721.7	4814.7	4895.1	4962.3	5012.1	5057.1	5120.7	5175.3	5285.7	5392.5
67.5°	4249.4	4353.8	4439.0	4518.2	4570.4	4612.5	4652.7	4694.7	4788.3	4888.5	4995.9
70°	3647.6	3773.6	3914.6	4017.2	4043.0	4079.0	4117.4	4172.0	4218.8	4323.8	4405.4
72.5°	2930.6	3111.8	3231.2	3373.4	3404.0	3458.6	3480.2	3522.8	3531.2	3588.2	3609.8
75°	2042.5	2250.1	2370.1	2474.5	2494.9	2464.9	2476.9	2326.3	2287.9	2256.7	2231.5
77.5°	1348.3	1404.1	1423.3	1406.5	1326.1	1263.1	1195.9	1129.9	1137.1	1083.7	990.1
80°	1198.9	1211.5	1194.1	1177.3	1131.1	1065.1	1004.5	942.7	912.0	879.6	831.6
82.5°	1166.5	1215.1	1220.5	1200.1	1163.5	1091.5	1018.3	926.5	848.4	776.4	703.2
85°	390.0	474.6	512.4	547.8	558.6	571.2	528.0	469.2	398.4	351.0	274.8
87.5°	49.8	61.8	71.4	61.2	71.4	84.0	60.6	67.8	68.4	42.6	31.8
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):**

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4
2.5°	575.4	574.8	574.8	574.8	574.2	574.8	574.8	574.8	574.8	574.8	574.2
5°	588.6	588.6	590.4	591.0	589.8	589.2	589.8	590.4	590.4	589.8	590.4
7.5°	613.2	613.8	615.0	616.8	615.6	616.2	616.8	616.2	618.0	618.6	618.0
10°	644.4	645.6	648.6	649.2	648.6	651.0	651.6	650.4	651.6	651.6	654.0
12.5°	680.4	681.6	685.2	686.4	687.6	688.2	690.0	690.6	692.4	693.6	695.4
15°	719.4	720.6	723.0	727.2	728.4	729.6	730.8	734.4	735.0	737.4	739.2
17.5°	752.4	754.2	757.8	760.8	762.6	765.6	766.8	771.0	772.2	775.8	778.8
20°	778.8	781.8	784.8	788.4	791.4	795.0	796.2	800.4	802.8	804.6	808.2
22.5°	802.8	806.4	810.6	814.8	817.2	822.0	823.8	825.6	831.0	833.4	837.0
25°	834.0	837.6	842.4	847.8	850.2	856.2	858.0	861.0	867.0	869.4	874.8
27.5°	876.6	881.4	885.0	890.4	893.4	897.6	901.8	905.4	910.8	914.4	920.5
30°	930.1	933.7	939.7	943.9	948.7	954.7	959.5	963.1	966.1	971.5	978.1
32.5°	1008.7	1009.3	1011.1	1021.3	1026.1	1030.9	1037.5	1040.5	1045.3	1050.7	1057.9
35°	1106.5	1111.9	1116.1	1120.9	1126.3	1131.7	1134.1	1143.1	1147.3	1154.5	1161.7
37.5°	1203.7	1204.3	1213.9	1216.9	1221.7	1227.1	1235.5	1244.5	1255.3	1262.5	1273.9
40°	1308.1	1312.9	1324.9	1330.9	1336.9	1350.1	1356.7	1371.1	1389.1	1399.3	1418.5
42.5°	1459.3	1466.5	1488.1	1497.7	1512.1	1533.7	1547.5	1567.3	1574.5	1599.1	1608.1
45°	1657.3	1679.5	1710.7	1731.1	1756.9	1780.3	1792.3	1801.3	1812.1	1831.3	1828.9
47.5°	1871.5	1900.3	1935.1	1977.1	1993.9	2021.5	2037.1	2054.5	2044.9	2040.1	2035.3
50°	2091.1	2124.7	2170.9	2208.7	2234.5	2251.3	2264.5	2262.1	2241.7	2230.9	2200.9
52.5°	2335.3	2355.1	2398.9	2431.3	2446.9	2450.5	2447.5	2429.5	2410.3	2376.1	2340.7
55°	2709.7	2700.7	2718.1	2733.1	2728.3	2745.1	2701.9	2685.1	2637.7	2593.3	2545.9
57.5°	3470.6	3482.6	3385.4	3341.6	3333.8	3349.4	3273.2	3263.6	3149.0	3134.6	3054.8
60°	4583.0	4641.9	4565.6	4523.0	4407.8	4370.0	4284.8	4249.4	4139.6	4050.8	3938.6
62.5°	5419.5	5472.9	5504.7	5444.1	5376.9	5277.9	5148.9	5006.1	4889.7	4753.5	4634.7
65°	5495.1	5603.1	5676.3	5704.5	5657.1	5548.5	5389.5	5209.5	5031.3	4860.3	4710.3
67.5°	5141.7	5238.3	5351.7	5453.1	5459.1	5388.3	5252.7	5069.7	4863.9	4652.7	4476.8
70°	4534.4	4655.7	4754.7	4861.5	4935.9	4895.1	4827.3	4659.3	4445.6	4281.2	4079.0
72.5°	3687.8	3738.8	3762.8	3867.8	3869.0	3794.6	3746.6	3653.6	3481.4	3365.0	3210.8
75°	2153.5	2041.3	1921.9	1818.1	1733.5	1698.1	1540.9	1514.5	1408.9	1343.5	1247.5
77.5°	888.0	787.8	658.8	551.4	445.2	397.2	327.6	297.0	257.4	240.0	228.6
80°	761.4	666.6	569.4	476.4	393.6	310.8	241.8	187.8	147.6	125.4	116.4
82.5°	621.6	564.6	496.8	446.4	381.6	319.8	270.0	209.4	156.6	115.2	88.2
85°	224.4	184.2	148.2	136.2	108.6	89.4	75.0	64.2	52.8	42.0	37.2
87.5°	25.2	24.0	13.8	13.2	15.0	10.8	12.6	11.4	9.6	8.4	9.0
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):**

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4	572.4
2.5°	574.2	574.2	574.8	574.8	575.4	576.0	577.2	576.6	576.6	577.2	577.2
5°	590.4	592.2	591.6	591.6	591.6	592.2	592.8	590.4	588.0	585.6	584.4
7.5°	618.6	619.8	621.0	619.8	621.0	620.4	619.2	612.6	604.8	595.2	588.6
10°	655.2	655.2	656.4	655.8	658.2	656.4	652.8	637.8	621.0	600.6	585.6
12.5°	694.8	699.0	697.2	697.8	702.6	697.8	689.4	667.2	637.2	604.2	577.8
15°	741.6	743.4	744.6	742.8	745.8	741.6	726.6	691.2	647.4	601.2	562.2
17.5°	780.0	780.6	781.2	782.4	786.6	781.8	756.0	708.0	649.8	587.4	535.8
20°	810.0	813.0	815.4	815.4	821.4	814.2	780.0	716.4	642.0	564.6	502.2
22.5°	841.2	843.6	846.6	847.2	855.0	847.8	799.8	714.6	621.6	532.2	463.2
25°	879.6	882.0	884.4	887.4	898.2	888.0	819.6	707.4	593.4	493.8	421.2
27.5°	924.1	929.5	931.3	936.1	948.7	933.1	836.4	696.6	562.2	449.4	376.8
30°	983.5	990.1	992.5	999.1	1016.5	982.3	846.0	678.0	522.6	404.4	329.4
32.5°	1063.3	1072.3	1079.5	1086.7	1106.5	1031.5	847.2	651.0	476.4	354.0	283.8
35°	1167.7	1181.5	1186.9	1191.7	1210.3	1084.9	841.8	610.8	420.0	302.4	247.8
37.5°	1284.7	1298.5	1302.1	1304.5	1308.1	1130.5	828.6	549.6	356.4	257.4	219.0
40°	1428.7	1440.7	1445.5	1441.9	1422.7	1165.9	799.2	478.2	294.6	226.8	201.0
42.5°	1604.5	1622.5	1624.3	1608.1	1544.5	1185.7	740.4	394.2	246.0	204.6	187.2
45°	1822.3	1821.1	1810.9	1799.5	1677.1	1177.9	658.2	321.0	215.4	187.2	174.6
47.5°	2017.9	1997.5	1981.9	1948.3	1794.1	1132.3	552.0	265.8	196.8	174.0	163.8
50°	2178.1	2140.9	2107.9	2071.3	1881.1	1051.3	446.4	225.6	179.4	162.6	153.6
52.5°	2304.7	2259.7	2221.3	2185.3	1965.1	961.3	366.0	196.2	162.6	151.2	142.2
55°	2502.7	2457.7	2396.5	2356.9	2093.5	878.4	313.8	172.8	146.4	139.2	130.2
57.5°	3003.8	2964.2	2891.0	2788.4	2423.5	847.2	284.4	154.8	133.2	129.0	121.8
60°	3878.6	3814.4	3719.0	3614.6	3094.4	868.2	261.0	142.2	124.2	120.6	115.2
62.5°	4538.6	4425.8	4317.8	4221.2	3630.8	867.6	230.4	132.6	117.6	115.8	110.4
65°	4565.6	4451.0	4342.4	4241.0	3642.8	772.2	194.4	124.2	116.4	115.8	106.8
67.5°	4323.2	4199.0	4094.0	3966.2	3372.2	603.6	156.0	118.8	121.2	120.0	105.6
70°	3927.2	3765.2	3678.8	3552.8	2967.8	422.4	128.4	120.6	131.4	127.8	107.4
72.5°	3082.4	2960.0	2828.6	2740.9	2323.3	267.0	108.0	121.8	135.6	129.6	112.2
75°	1147.3	1180.3	1126.3	1107.1	1180.3	156.6	96.0	113.4	121.2	112.2	102.0
77.5°	231.6	221.4	210.0	207.6	268.2	96.6	88.2	98.4	93.0	82.2	82.8
80°	111.0	108.0	104.4	103.8	99.6	80.4	81.6	84.0	70.2	63.6	67.8
82.5°	73.8	69.6	68.4	66.0	67.2	72.0	77.4	72.0	54.0	50.4	61.2
85°	34.2	33.0	32.4	32.4	36.0	64.8	64.2	52.8	37.2	36.0	61.2
87.5°	8.4	8.4	9.0	8.4	9.6	19.2	16.8	16.2	13.8	15.6	28.8
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):**

	165°	175°	180°
0°	572.4	572.4	572.4
2.5°	576.6	577.2	576.6
5°	582.0	582.0	582.0
7.5°	582.0	580.2	579.6
10°	573.6	568.2	568.2
12.5°	559.2	550.2	549.0
15°	532.2	520.2	518.4
17.5°	498.0	481.8	478.8
20°	459.6	439.2	435.6
22.5°	417.6	394.2	392.4
25°	376.2	352.2	347.4
27.5°	330.0	306.6	304.2
30°	283.8	263.4	262.2
32.5°	244.8	232.2	229.8
35°	217.2	210.0	207.0
37.5°	199.2	193.8	193.2
40°	185.4	180.6	180.0
42.5°	174.0	169.8	169.2
45°	162.6	159.0	157.8
47.5°	151.2	147.6	147.0
50°	141.0	136.2	135.6
52.5°	131.4	126.6	125.4
55°	122.4	117.6	117.6
57.5°	114.6	109.8	109.2
60°	107.4	102.6	102.0
62.5°	102.0	96.0	95.4
65°	97.8	91.8	90.6
67.5°	95.4	88.2	86.4
70°	99.6	86.4	83.4
72.5°	100.2	84.6	80.4
75°	96.6	79.8	76.8
77.5°	84.6	71.4	68.4
80°	73.2	55.2	51.0
82.5°	69.6	45.0	39.0
85°	54.0	29.4	27.6
87.5°	30.6	16.2	13.2
90°	0.0	0.0	0.0

(END OF REPORT)