

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: P181499

Luminaire Tested: **ICS-E03-LED-E1-T3**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181499
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-T3
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8327 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

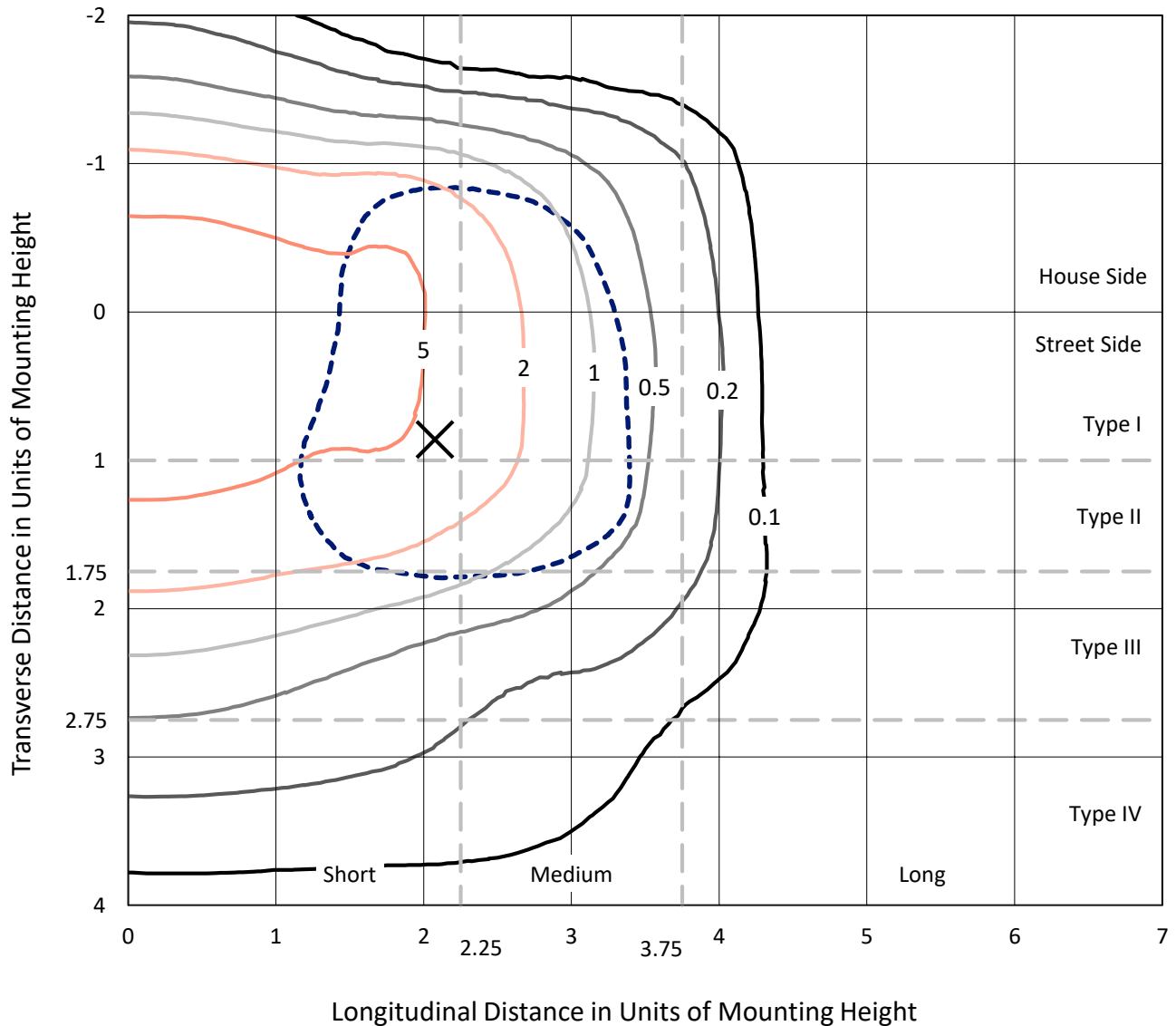
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

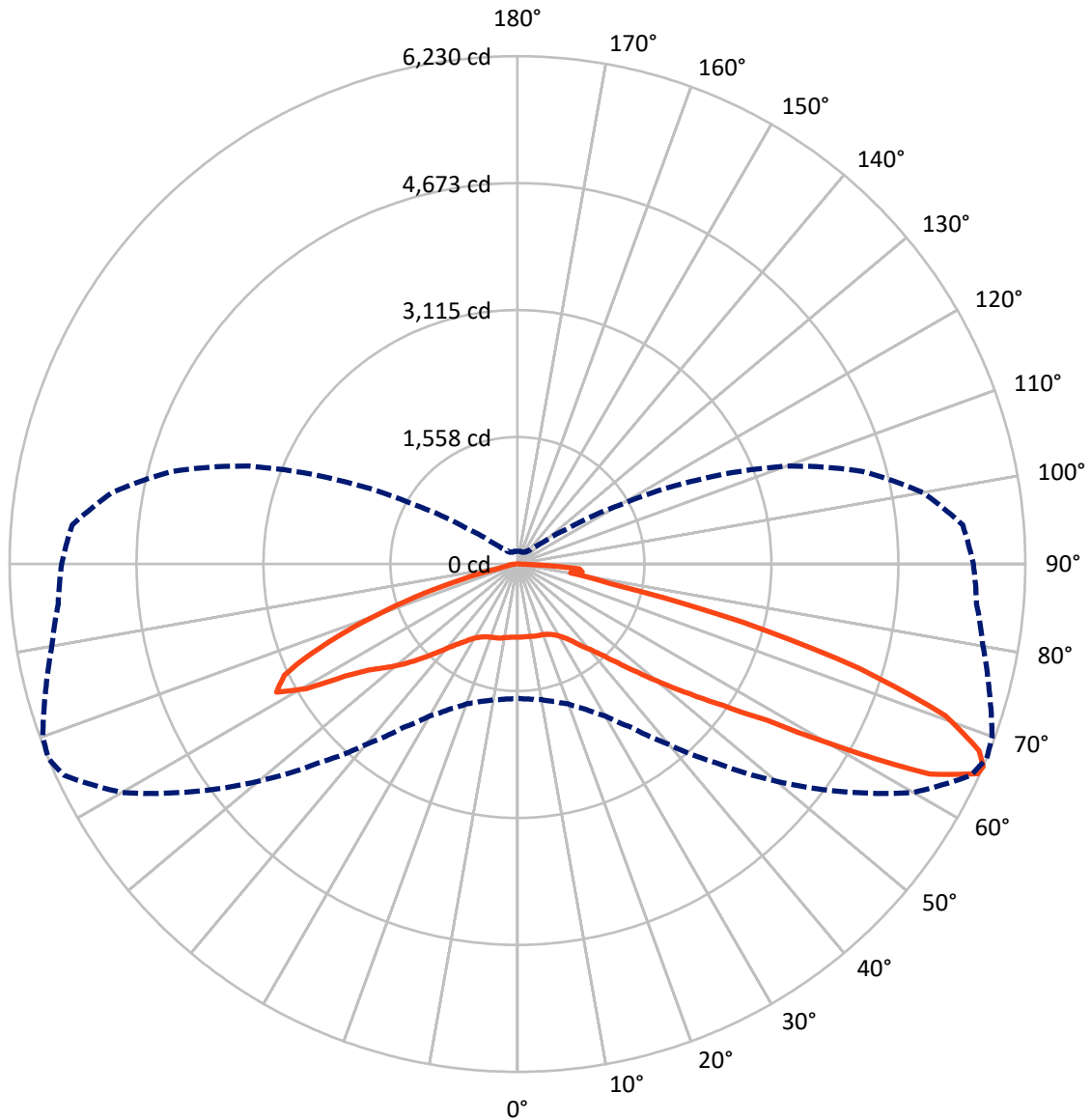
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2875.6	0.0	2875.6
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	5451.5	0.0	5451.5
	% Fixture	65.5	0.0	65.5
Total	Lumens	8327.0	0.0	8327.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	1.0
10°-20°	253.6	3.0
20°-30°	436.0	5.2
30°-40°	707.9	8.5
40°-50°	1181.8	14.2
50°-60°	1860.8	22.3
60°-70°	2537.5	30.5
70°-80°	1098.4	13.2
80°-90°	165.2	2.0
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°	8327.0	100.0
0°-180°	8327.0	100.0

Coefficient of Utilization



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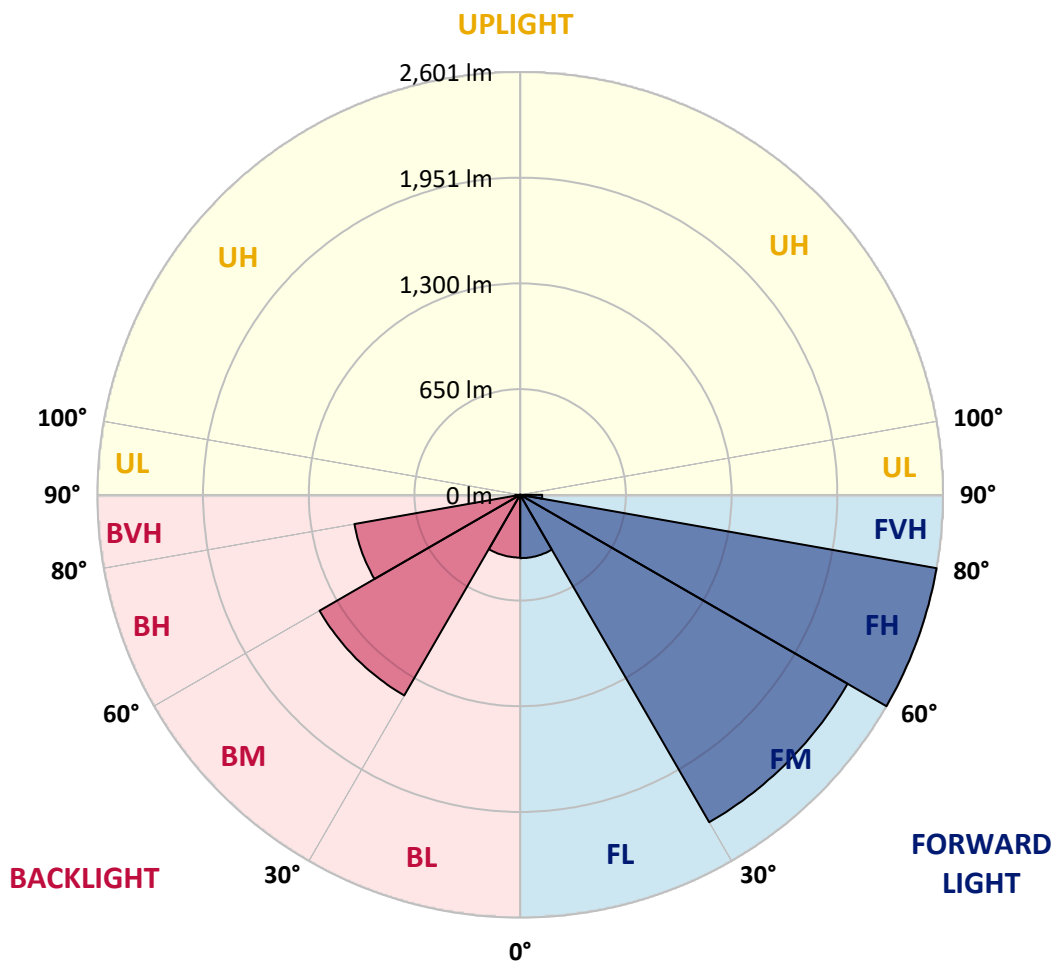
CATALOG NUMBER: ICS-E03-LED-E1-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	389.5	4.7			
FM	(30°-60°)	2325.5	27.9			
FH	(60°-80°)	2600.8	31.2			G2/5000
FVH	(80°-90°)	135.6	1.6			G2/225
BL	(0°-30°)	386.0	4.6	B1/500		
BM	(30°-60°)	1425.0	17.1	B2/2500		
BH	(60°-80°)	1035.1	12.4	B3/2500		G3/2500
BVH	(80°-90°)	29.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3
2.5°	900.9	904.5	900.9	901.8	902.7	901.8	900.9	900.9	898.2	900.0	901.8
5°	897.3	900.0	899.1	900.0	900.9	900.0	899.1	900.0	898.2	899.1	901.8
7.5°	892.8	891.9	892.8	894.6	896.4	896.4	896.4	897.3	896.4	896.4	899.1
10°	879.3	880.2	882.0	884.7	885.6	888.3	888.3	891.0	891.9	893.7	897.3
12.5°	862.2	863.1	864.9	866.7	871.2	875.7	875.7	882.0	884.7	889.2	895.5
15°	849.6	850.5	852.3	854.1	857.7	862.2	864.9	872.1	876.6	884.7	893.7
17.5°	856.8	855.9	857.7	858.6	858.6	862.2	862.2	867.6	873.0	880.2	891.9
20°	877.5	877.5	879.3	879.3	878.4	880.2	876.6	876.6	877.5	881.1	889.2
22.5°	898.2	897.3	900.9	902.7	903.6	906.3	902.7	901.8	897.3	894.6	897.3
25°	918.0	917.1	921.7	924.4	928.9	931.6	931.6	931.6	928.0	923.5	920.8
27.5°	948.7	948.7	953.2	955.9	959.5	964.9	967.6	967.6	968.5	962.2	957.7
30°	1000.0	1000.9	1001.8	1005.4	1009.0	1010.8	1014.4	1017.1	1019.8	1016.2	1009.0
32.5°	1061.2	1055.8	1055.8	1061.2	1065.7	1071.1	1072.9	1076.5	1081.9	1079.2	1078.3
35°	1134.1	1132.3	1130.5	1132.3	1137.7	1144.0	1151.2	1157.5	1153.9	1159.3	1156.6
37.5°	1242.1	1243.9	1244.8	1244.8	1243.9	1245.7	1249.3	1255.6	1253.8	1255.6	1259.2
40°	1420.3	1414.0	1407.7	1408.6	1399.6	1401.4	1387.0	1393.3	1394.2	1387.9	1390.6
42.5°	1598.5	1602.1	1604.8	1612.0	1605.7	1602.1	1588.6	1588.6	1581.4	1575.1	1573.3
45°	1791.1	1798.3	1799.2	1813.6	1808.2	1819.9	1829.8	1827.1	1815.4	1814.5	1801.9
47.5°	1945.0	1956.7	1969.3	1986.4	1999.9	2026.0	2056.6	2071.9	2080.9	2088.1	2073.7
50°	2060.2	2065.6	2098.0	2125.0	2154.7	2197.9	2240.2	2295.1	2339.2	2359.9	2379.7
52.5°	2122.3	2135.8	2170.9	2213.2	2265.4	2330.2	2398.6	2485.9	2561.5	2611.9	2656.9
55°	2135.8	2149.3	2188.9	2242.9	2314.0	2401.3	2499.4	2618.2	2731.6	2828.9	2923.4
57.5°	2098.0	2113.3	2155.6	2217.7	2301.4	2407.6	2530.9	2686.6	2843.3	3000.8	3140.3
60°	2028.7	2047.6	2086.3	2147.5	2240.2	2359.9	2507.5	2702.8	2922.5	3163.7	3431.0
62.5°	1914.4	1934.2	1970.2	2037.7	2133.1	2265.4	2436.4	2679.4	2990.0	3369.8	3844.1
65°	1730.8	1739.8	1783.9	1852.3	1936.9	2082.7	2270.8	2564.2	2968.4	3496.7	4150.1
66°	1648.0	1663.3	1690.3	1745.2	1826.2	1963.0	2152.0	2449.9	2886.5	3452.6	4142.0
67.5°	1518.4	1530.1	1548.1	1585.0	1634.5	1735.3	1914.4	2196.1	2636.2	3229.4	3970.1
70°	1227.7	1233.1	1257.4	1270.0	1287.1	1320.4	1385.2	1547.2	1890.1	2447.2	3204.2
72.5°	837.0	852.3	878.4	914.4	961.3	1006.3	1036.9	1057.6	1131.4	1459.9	2134.9
75°	613.8	630.0	663.3	711.0	792.9	886.5	983.8	1028.8	998.2	955.9	1189.0
77.5°	356.4	378.0	405.9	451.8	527.4	651.6	818.1	965.8	1065.7	1072.0	1018.0
80°	150.3	153.0	170.1	193.5	240.3	327.6	457.2	669.6	891.0	1040.5	1075.6
82.5°	34.2	42.3	54.0	63.9	78.3	108.0	160.2	266.4	481.5	755.1	984.7
85°	12.6	12.6	17.1	25.2	28.8	32.4	42.3	67.5	115.2	212.4	442.8
87.5°	0.0	0.9	1.8	1.8	3.6	4.5	7.2	9.9	9.0	8.1	27.0
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3
2.5°	900.0	899.1	897.3	897.3	897.3	897.3	895.5	896.4	894.6	895.5	895.5
5°	899.1	899.1	898.2	896.4	897.3	897.3	898.2	896.4	896.4	897.3	896.4
7.5°	899.1	898.2	898.2	898.2	899.1	898.2	899.1	899.1	899.1	900.0	900.0
10°	899.1	899.1	900.9	901.8	901.8	902.7	905.4	905.4	906.3	907.2	909.0
12.5°	900.0	903.6	906.3	909.0	909.9	911.7	916.2	916.2	918.0	920.8	921.7
15°	900.9	906.3	911.7	913.5	915.3	918.9	923.5	925.3	928.0	930.7	932.5
17.5°	900.0	907.2	913.5	916.2	918.9	923.5	928.9	930.7	934.3	937.9	941.5
20°	899.1	909.0	918.9	922.6	926.2	932.5	939.7	944.2	947.8	953.2	956.8
22.5°	904.5	916.2	929.8	935.2	941.5	949.6	959.5	964.9	969.4	974.8	977.5
25°	921.7	930.7	946.9	955.9	964.0	977.5	991.0	997.3	1002.7	1007.2	1008.1
27.5°	950.5	953.2	973.0	984.7	996.4	1018.0	1034.2	1038.7	1048.6	1052.2	1051.3
30°	997.3	992.8	1009.0	1027.0	1044.1	1073.8	1093.6	1105.3	1114.3	1114.3	1107.1
32.5°	1064.8	1057.6	1062.1	1082.8	1102.6	1145.8	1169.2	1184.5	1190.8	1189.0	1173.7
35°	1153.0	1148.5	1145.8	1162.0	1193.5	1243.9	1274.5	1282.6	1292.5	1290.7	1270.9
37.5°	1257.4	1253.8	1253.8	1272.7	1303.3	1378.0	1411.3	1416.7	1415.8	1401.4	1364.5
40°	1380.7	1378.9	1370.8	1381.6	1407.7	1504.9	1549.9	1557.1	1547.2	1523.8	1480.6
42.5°	1558.0	1547.2	1522.0	1528.3	1548.1	1642.6	1701.1	1720.9	1711.0	1687.6	1617.4
45°	1789.3	1777.6	1735.3	1729.9	1740.7	1823.5	1899.1	1903.6	1901.8	1872.1	1789.3
47.5°	2061.1	2043.1	1998.1	1983.7	1980.1	2056.6	2129.5	2136.7	2132.2	2088.1	1977.4
50°	2355.4	2329.3	2299.6	2289.7	2275.3	2330.2	2404.0	2404.9	2386.9	2325.7	2222.2
52.5°	2669.5	2660.5	2655.1	2645.2	2638.9	2686.6	2731.6	2704.6	2677.6	2613.7	2523.7
55°	2986.4	3023.3	3061.1	3064.7	3075.5	3126.8	3125.9	3052.1	3032.3	2997.2	2908.1
57.5°	3323.0	3459.8	3578.6	3615.5	3651.5	3746.9	3737.9	3665.0	3639.8	3596.6	3522.8
60°	3781.1	4150.1	4493.0	4574.9	4631.7	4746.0	4735.2	4622.7	4674.9	4671.3	4575.8
62.5°	4422.8	5036.7	5550.6	5676.6	5716.2	5728.8	5660.4	5538.9	5590.2	5647.8	5354.4
65°	4857.6	5579.4	6106.8	6204.0	6209.4	6059.1	5907.0	5763.9	5751.3	5701.8	5282.4
66°	4867.5	5606.4	6135.6	6230.1	6196.8	5991.6	5799.0	5655.0	5592.9	5484.0	5049.3
67.5°	4692.9	5438.1	6007.8	6107.7	6034.8	5744.1	5478.6	5293.2	5171.7	4995.3	4611.9
70°	3941.3	4680.3	5382.3	5568.6	5592.0	5158.2	4790.1	4572.2	4408.4	4166.3	3836.0
72.5°	2930.6	3598.4	4217.6	4395.8	4486.7	4140.2	3829.7	3664.1	3440.0	3185.3	2950.4
75°	1837.0	2308.6	2723.5	2848.7	2763.2	2494.9	2308.6	2239.3	2018.8	1866.7	1759.6
77.5°	1050.4	1198.0	1231.3	1183.6	1082.8	828.9	589.5	436.5	378.9	419.4	462.6
80°	1025.2	939.7	748.8	658.8	596.7	410.4	241.2	165.6	137.7	141.3	153.0
82.5°	1110.7	1191.7	981.1	800.1	671.4	453.6	250.2	133.2	90.0	106.2	119.7
85°	721.8	1004.5	904.5	762.3	617.4	387.9	206.1	69.3	45.9	60.3	82.8
87.5°	72.9	80.1	68.4	92.7	69.3	32.4	16.2	9.9	9.0	10.8	16.2
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3	897.3
2.5°	896.4	896.4	897.3	898.2	899.1	900.0	900.0	900.0	900.0	901.8	900.9
5°	898.2	900.0	901.8	902.7	904.5	904.5	907.2	906.3	906.3	909.0	909.9
7.5°	901.8	904.5	908.1	907.2	910.8	909.9	911.7	911.7	909.0	909.9	908.1
10°	909.9	913.5	915.3	912.6	913.5	909.9	909.0	904.5	899.1	896.4	892.8
12.5°	923.5	927.1	927.1	922.6	917.1	909.0	902.7	892.8	884.7	880.2	875.7
15°	935.2	938.8	937.9	930.7	922.6	909.9	900.9	889.2	877.5	870.3	865.8
17.5°	944.2	946.0	943.3	933.4	924.4	912.6	903.6	891.0	877.5	868.5	860.4
20°	957.7	955.9	949.6	937.0	927.1	916.2	909.0	898.2	882.9	871.2	859.5
22.5°	977.5	970.3	958.6	945.1	935.2	925.3	918.0	906.3	891.0	876.6	863.1
25°	1003.6	989.2	973.0	958.6	949.6	938.8	930.7	918.0	901.8	885.6	869.4
27.5°	1041.4	1016.2	995.5	982.9	973.0	959.5	949.6	933.4	916.2	897.3	879.3
30°	1083.7	1049.5	1029.7	1019.8	1009.0	994.6	979.3	958.6	938.8	918.0	896.4
32.5°	1138.6	1097.2	1078.3	1068.4	1054.0	1036.0	1018.0	994.6	966.7	939.7	913.5
35°	1210.6	1168.3	1148.5	1133.2	1113.4	1090.0	1063.9	1032.4	994.6	958.6	925.3
37.5°	1288.0	1242.1	1223.2	1207.0	1177.3	1146.7	1109.8	1063.9	1012.6	964.9	923.5
40°	1386.1	1343.8	1319.5	1291.6	1256.5	1203.4	1145.8	1079.2	1013.5	955.0	906.3
42.5°	1510.3	1468.0	1432.0	1387.9	1326.7	1244.8	1162.9	1076.5	997.3	930.7	878.4
45°	1675.0	1623.7	1561.6	1484.2	1385.2	1270.9	1163.8	1059.4	966.7	892.8	837.0
47.5°	1876.6	1798.3	1696.6	1566.1	1423.9	1278.1	1149.4	1025.2	918.9	838.8	776.7
50°	2116.0	1992.7	1825.3	1633.6	1443.7	1267.3	1113.4	973.9	851.4	765.9	692.1
52.5°	2389.6	2188.0	1941.4	1682.2	1442.8	1231.3	1052.2	896.4	763.2	667.8	597.6
55°	2710.9	2411.2	2061.1	1718.2	1417.6	1164.7	958.6	787.5	654.3	566.1	501.3
57.5°	3181.7	2773.1	2269.9	1774.0	1367.2	1062.1	831.6	657.0	540.0	456.3	401.4
60°	4042.1	3377.0	2646.1	1886.5	1289.8	911.7	683.1	517.5	419.4	351.9	315.0
62.5°	4690.2	3844.1	2849.6	1861.3	1134.1	726.3	506.7	377.1	308.7	262.8	239.4
65°	4597.5	3699.2	2632.6	1603.0	889.2	512.1	336.6	256.5	212.4	190.8	177.3
66°	4387.7	3510.2	2444.5	1442.8	768.6	425.7	277.2	215.1	182.7	167.4	158.4
67.5°	3989.9	3159.2	2107.9	1182.7	590.4	308.7	208.8	170.1	148.5	142.2	135.9
70°	3316.7	2519.2	1479.7	688.5	301.5	171.9	132.3	118.8	113.4	112.5	110.7
72.5°	2541.7	1783.0	871.2	325.8	156.6	114.3	102.6	98.1	96.3	96.3	97.2
75°	1558.0	1001.8	385.2	159.3	109.8	96.3	90.9	89.1	88.2	89.1	88.2
77.5°	520.2	318.6	164.7	120.6	99.9	89.1	85.5	83.7	83.7	83.7	83.7
80°	159.3	138.6	126.0	111.6	94.5	84.6	79.2	78.3	79.2	80.1	77.4
82.5°	119.7	113.4	106.2	99.0	85.5	75.6	73.8	73.8	73.8	71.1	67.5
85°	88.2	87.3	72.0	67.5	63.0	63.0	63.0	63.0	60.3	55.8	52.2
87.5°	16.2	15.3	16.2	17.1	25.2	27.0	27.0	28.8	31.5	29.7	29.7
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):

	160°	165°	170°	175°	180°
0°	897.3	897.3	897.3	897.3	897.3
2.5°	900.9	900.0	902.7	900.9	901.8
5°	909.0	908.1	909.9	908.1	910.8
7.5°	906.3	904.5	903.6	904.5	905.4
10°	887.4	885.6	884.7	883.8	884.7
12.5°	871.2	867.6	867.6	865.8	866.7
15°	859.5	856.8	855.9	854.1	855.0
17.5°	854.1	849.6	847.8	846.0	846.0
20°	850.5	845.1	842.4	840.6	839.7
22.5°	850.5	842.4	838.8	837.0	836.1
25°	854.1	844.2	838.8	836.1	835.2
27.5°	861.3	848.7	842.4	838.8	838.8
30°	873.9	857.7	848.7	844.2	843.3
32.5°	886.5	864.9	852.3	846.9	845.1
35°	892.8	864.9	849.6	840.6	838.8
37.5°	885.6	853.2	834.3	820.8	818.1
40°	863.1	828.9	808.2	795.6	793.8
42.5°	833.4	800.1	775.8	766.8	764.1
45°	792.9	753.3	729.0	716.4	717.3
47.5°	723.6	683.1	661.5	649.8	651.6
50°	641.7	602.1	583.2	570.6	573.3
52.5°	551.7	515.7	497.7	491.4	489.6
55°	457.2	429.3	416.7	409.5	406.8
57.5°	370.8	351.0	342.0	333.0	333.9
60°	292.5	282.6	279.9	270.0	269.1
62.5°	230.4	224.1	221.4	214.2	215.1
65°	174.6	172.8	174.6	170.1	171.9
66°	157.5	158.4	158.4	155.7	157.5
67.5°	135.9	137.7	140.4	137.7	139.5
70°	112.5	114.3	116.1	116.1	116.1
72.5°	98.1	99.9	100.8	100.8	100.8
75°	90.0	90.9	91.8	90.0	90.0
77.5°	84.6	84.6	82.8	81.9	81.0
80°	76.5	75.6	72.9	71.1	71.1
82.5°	63.9	62.1	60.3	57.6	57.6
85°	48.6	46.8	45.0	41.4	39.6
87.5°	25.2	26.1	25.2	20.7	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)