

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: P181507

Luminaire Tested: **ICS-E04-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181507
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-E04-LED-E1-T3-8030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9370.6 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

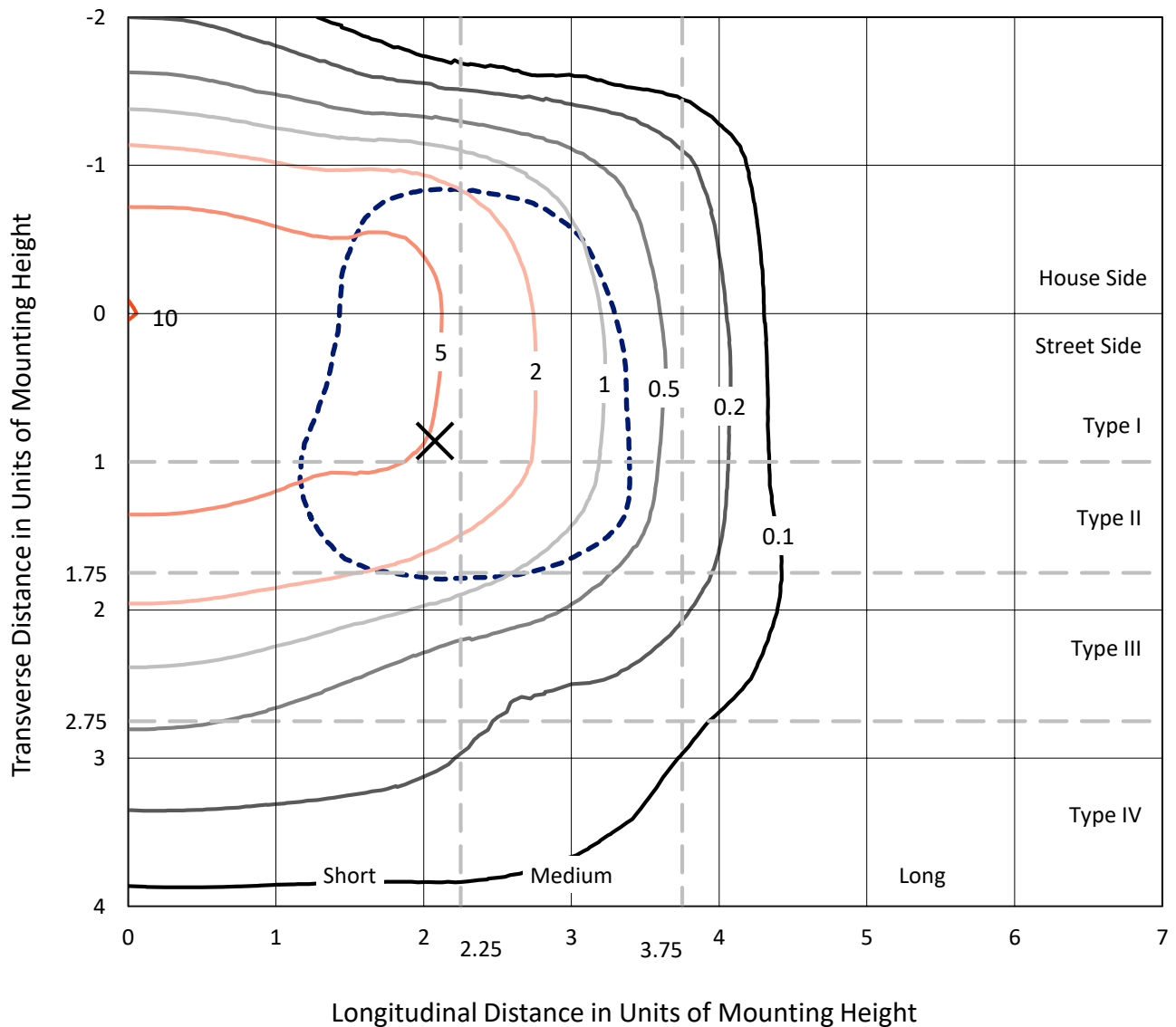
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

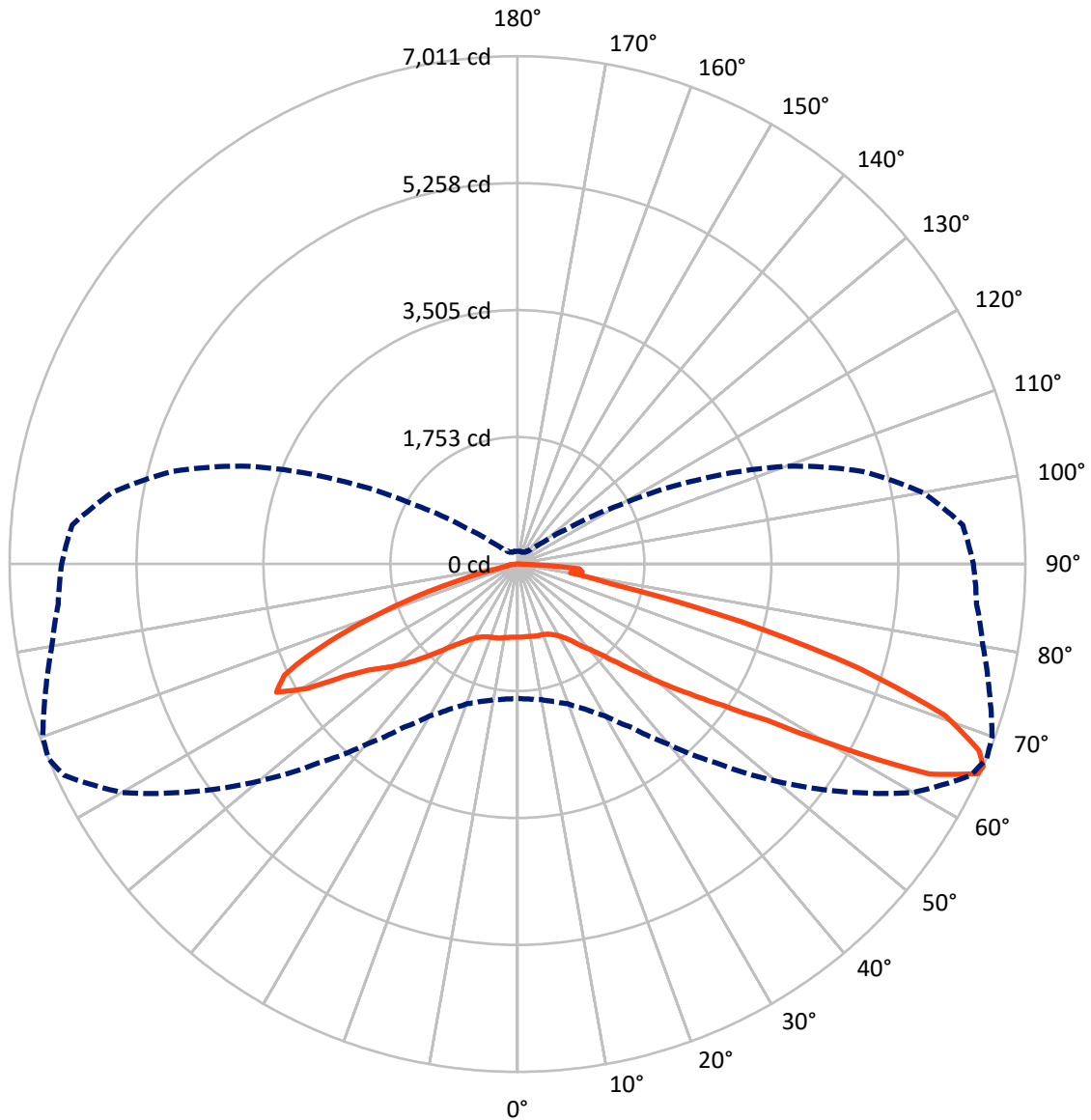
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 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	3236.0	0.0	3236.0
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	6134.6	0.0	6134.6
	% Fixture	65.5	0.0	65.5
Total	Lumens	9370.6	0.0	9370.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	1.0
10°-20°	285.4	3.0
20°-30°	490.6	5.2
30°-40°	796.6	8.5
40°-50°	1329.8	14.2
50°-60°	2094.0	22.3
60°-70°	2855.5	30.5
70°-80°	1236.1	13.2
80°-90°	185.9	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°	9370.6	100.0
0°-180°	9370.6	100.0



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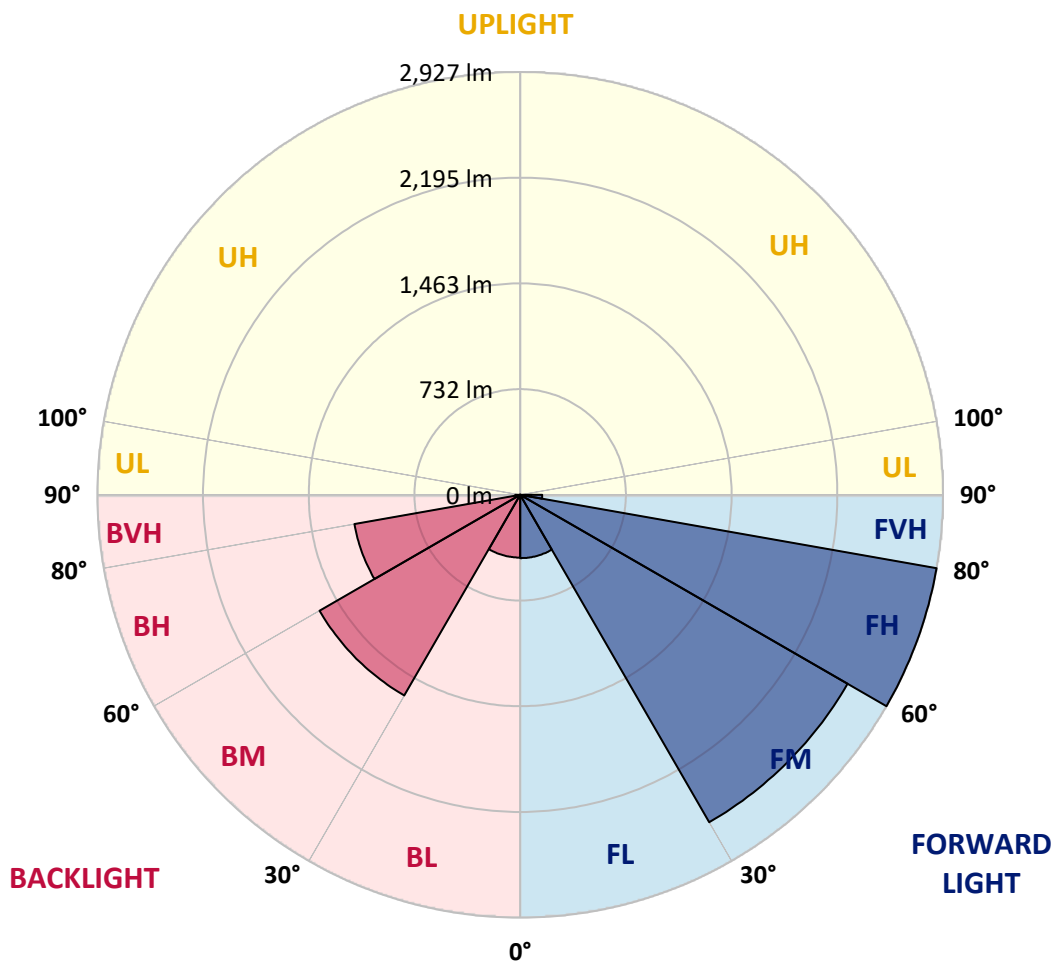
CATALOG NUMBER: ICS-E04-LED-E1-T3-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	438.4	4.7			
FM	(30°-60°)	2616.9	27.9			
FH	(60°-80°)	2926.8	31.2			G2/5000
FVH	(80°-90°)	152.6	1.6			G2/225
BL	(0°-30°)	434.4	4.6	B1/500		
BM	(30°-60°)	1603.5	17.1	B2/2500		
BH	(60°-80°)	1164.8	12.4	B3/2500		G3/2500
BVH	(80°-90°)	33.3	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°	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8
2.5°	1013.9	1017.9	1013.9	1014.9	1015.9	1014.9	1013.9	1013.9	1010.8	1012.8	1014.9
5°	1009.8	1012.8	1011.8	1012.8	1013.9	1012.8	1011.8	1012.8	1010.8	1011.8	1014.9
7.5°	1004.7	1003.7	1004.7	1006.8	1008.8	1008.8	1008.8	1009.8	1008.8	1008.8	1011.8
10°	989.5	990.6	992.6	995.6	996.6	999.7	999.7	1002.7	1003.7	1005.8	1009.8
12.5°	970.3	971.3	973.3	975.4	980.4	985.5	985.5	992.6	995.6	1000.7	1007.8
15°	956.1	957.1	959.2	961.2	965.2	970.3	973.3	981.4	986.5	995.6	1005.8
17.5°	964.2	963.2	965.2	966.3	966.3	970.3	970.3	976.4	982.5	990.6	1003.7
20°	987.5	987.5	989.5	989.5	988.5	990.6	986.5	986.5	987.5	991.6	1000.7
22.5°	1010.8	1009.8	1013.9	1015.9	1016.9	1019.9	1015.9	1014.9	1009.8	1006.8	1009.8
25°	1033.1	1032.1	1037.2	1040.2	1045.3	1048.3	1048.3	1048.3	1044.2	1039.2	1036.1
27.5°	1067.5	1067.5	1072.6	1075.6	1079.7	1085.8	1088.8	1088.8	1089.8	1082.7	1077.7
30°	1125.3	1126.3	1127.3	1131.3	1135.4	1137.4	1141.5	1144.5	1147.6	1143.5	1135.4
32.5°	1194.1	1188.1	1188.1	1194.1	1199.2	1205.3	1207.3	1211.4	1217.4	1214.4	1213.4
35°	1276.2	1274.2	1272.1	1274.2	1280.2	1287.3	1295.4	1302.5	1298.5	1304.5	1301.5
37.5°	1397.7	1399.8	1400.8	1400.8	1399.8	1401.8	1405.8	1412.9	1410.9	1412.9	1417.0
40°	1598.3	1591.2	1584.1	1585.1	1575.0	1577.0	1560.8	1567.9	1568.9	1561.8	1564.8
42.5°	1798.8	1802.9	1805.9	1814.0	1806.9	1802.9	1787.7	1787.7	1779.6	1772.5	1770.5
45°	2015.6	2023.7	2024.7	2040.9	2034.8	2048.0	2059.1	2056.1	2042.9	2041.9	2027.7
47.5°	2188.8	2201.9	2216.1	2235.3	2250.5	2279.9	2314.3	2331.6	2341.7	2349.8	2333.6
50°	2318.4	2324.5	2360.9	2391.3	2424.7	2473.4	2521.0	2582.8	2632.4	2655.7	2678.0
52.5°	2388.3	2403.5	2443.0	2490.6	2549.3	2622.3	2699.2	2797.5	2882.6	2939.3	2989.9
55°	2403.5	2418.7	2463.2	2524.0	2604.0	2702.3	2812.7	2946.4	3074.0	3183.4	3289.7
57.5°	2360.9	2378.2	2425.8	2495.6	2589.8	2709.4	2848.1	3023.3	3199.6	3376.8	3533.8
60°	2283.0	2304.2	2347.8	2416.6	2521.0	2655.7	2821.8	3041.6	3288.7	3560.1	3861.0
62.5°	2154.3	2176.6	2217.1	2293.1	2400.4	2549.3	2741.8	3015.2	3364.7	3792.1	4325.9
65°	1947.7	1957.8	2007.5	2084.4	2179.6	2343.7	2555.4	2885.6	3340.4	3934.9	4670.2
66°	1854.5	1871.7	1902.1	1963.9	2055.1	2209.0	2421.7	2757.0	3248.2	3885.3	4661.1
67.5°	1708.7	1721.8	1742.1	1783.6	1839.3	1952.8	2154.3	2471.3	2966.6	3634.1	4467.7
70°	1381.5	1387.6	1414.9	1429.1	1448.4	1485.8	1558.8	1741.1	2127.0	2753.9	3605.7
72.5°	941.9	959.2	988.5	1029.0	1081.7	1132.4	1166.8	1190.1	1273.1	1642.8	2402.5
75°	690.8	709.0	746.5	800.1	892.3	997.7	1107.0	1157.7	1123.2	1075.6	1338.0
77.5°	401.1	425.4	456.8	508.4	593.5	733.3	920.7	1086.8	1199.2	1206.3	1145.5
80°	169.1	172.2	191.4	217.8	270.4	368.7	514.5	753.6	1002.7	1170.8	1210.3
82.5°	38.5	47.6	60.8	71.9	88.1	121.5	180.3	299.8	541.9	849.8	1108.1
85°	14.2	14.2	19.2	28.4	32.4	36.5	47.6	76.0	129.6	239.0	498.3
87.5°	0.0	1.0	2.0	2.0	4.1	5.1	8.1	11.1	10.1	9.1	30.4
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8
2.5°	1012.8	1011.8	1009.8	1009.8	1009.8	1009.8	1007.8	1008.8	1006.8	1007.8	1007.8
5°	1011.8	1011.8	1010.8	1008.8	1009.8	1009.8	1010.8	1008.8	1008.8	1009.8	1008.8
7.5°	1011.8	1010.8	1010.8	1010.8	1011.8	1010.8	1011.8	1011.8	1011.8	1012.8	1012.8
10°	1011.8	1011.8	1013.9	1014.9	1014.9	1015.9	1018.9	1018.9	1019.9	1020.9	1023.0
12.5°	1012.8	1016.9	1019.9	1023.0	1024.0	1026.0	1031.1	1031.1	1033.1	1036.1	1037.2
15°	1013.9	1019.9	1026.0	1028.0	1030.1	1034.1	1039.2	1041.2	1044.2	1047.3	1049.3
17.5°	1012.8	1020.9	1028.0	1031.1	1034.1	1039.2	1045.3	1047.3	1051.3	1055.4	1059.4
20°	1011.8	1023.0	1034.1	1038.2	1042.2	1049.3	1057.4	1062.5	1066.5	1072.6	1076.7
22.5°	1017.9	1031.1	1046.3	1052.3	1059.4	1068.6	1079.7	1085.8	1090.8	1096.9	1099.9
25°	1037.2	1047.3	1065.5	1075.6	1084.8	1099.9	1115.1	1122.2	1128.3	1133.4	1134.4
27.5°	1069.6	1072.6	1094.9	1108.1	1121.2	1145.5	1163.8	1168.8	1180.0	1184.0	1183.0
30°	1122.2	1117.2	1135.4	1155.7	1174.9	1208.3	1230.6	1243.8	1253.9	1253.9	1245.8
32.5°	1198.2	1190.1	1195.2	1218.5	1240.7	1289.4	1315.7	1332.9	1340.0	1338.0	1320.7
35°	1297.5	1292.4	1289.4	1307.6	1343.0	1399.8	1434.2	1443.3	1454.4	1452.4	1430.1
37.5°	1414.9	1410.9	1410.9	1432.2	1466.6	1550.7	1588.1	1594.2	1593.2	1577.0	1535.5
40°	1553.7	1551.7	1542.6	1554.7	1584.1	1693.5	1744.1	1752.2	1741.1	1714.7	1666.1
42.5°	1753.2	1741.1	1712.7	1719.8	1742.1	1848.4	1914.3	1936.6	1925.4	1899.1	1820.1
45°	2013.5	2000.4	1952.8	1946.7	1958.8	2052.0	2137.1	2142.2	2140.1	2106.7	2013.5
47.5°	2319.4	2299.2	2248.5	2232.3	2228.3	2314.3	2396.4	2404.5	2399.4	2349.8	2225.2
50°	2650.6	2621.2	2587.8	2576.7	2560.5	2622.3	2705.3	2706.3	2686.1	2617.2	2500.7
52.5°	3004.1	2994.0	2987.9	2976.7	2969.7	3023.3	3074.0	3043.6	3013.2	2941.3	2840.0
55°	3360.6	3402.1	3444.7	3448.7	3460.9	3518.6	3517.6	3434.6	3412.3	3372.8	3272.5
57.5°	3739.4	3893.4	4027.1	4068.6	4109.1	4216.5	4206.3	4124.3	4095.9	4047.3	3964.3
60°	4255.0	4670.2	5056.1	5148.3	5212.1	5340.7	5328.6	5202.0	5260.7	5256.7	5149.3
62.5°	4977.1	5667.9	6246.2	6388.0	6432.6	6446.8	6369.8	6233.0	6290.8	6355.6	6025.4
65°	5466.3	6278.6	6872.1	6981.5	6987.6	6818.5	6647.3	6486.3	6472.1	6416.4	5944.4
66°	5477.5	6309.0	6904.6	7010.9	6973.4	6742.5	6525.8	6363.7	6293.8	6171.3	5682.1
67.5°	5281.0	6119.6	6760.7	6873.2	6791.1	6464.0	6165.2	5956.5	5819.8	5621.3	5189.8
70°	4435.2	5266.8	6056.8	6266.5	6292.8	5804.6	5390.4	5145.2	4960.9	4688.5	4316.7
72.5°	3297.8	4049.4	4746.2	4946.7	5049.0	4659.1	4309.7	4123.3	3871.1	3584.5	3320.1
75°	2067.2	2597.9	3064.9	3205.7	3109.4	2807.6	2597.9	2520.0	2271.8	2100.6	1980.1
77.5°	1182.0	1348.1	1385.6	1331.9	1218.5	932.8	663.4	491.2	426.4	472.0	520.6
80°	1153.6	1057.4	842.7	741.4	671.5	461.9	271.4	186.4	155.0	159.0	172.2
82.5°	1249.8	1341.0	1104.0	900.4	755.6	510.5	281.6	149.9	101.3	119.5	134.7
85°	812.3	1130.3	1017.9	857.9	694.8	436.5	231.9	78.0	51.7	67.9	93.2
87.5°	82.0	90.1	77.0	104.3	78.0	36.5	18.2	11.1	10.1	12.2	18.2
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°	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8	1009.8
2.5°	1008.8	1008.8	1009.8	1010.8	1011.8	1012.8	1012.8	1012.8	1012.8	1014.9	1013.9
5°	1010.8	1012.8	1014.9	1015.9	1017.9	1017.9	1020.9	1019.9	1019.9	1023.0	1024.0
7.5°	1014.9	1017.9	1022.0	1020.9	1025.0	1024.0	1026.0	1026.0	1023.0	1024.0	1022.0
10°	1024.0	1028.0	1030.1	1027.0	1028.0	1024.0	1023.0	1017.9	1011.8	1008.8	1004.7
12.5°	1039.2	1043.2	1043.2	1038.2	1032.1	1023.0	1015.9	1004.7	995.6	990.6	985.5
15°	1052.3	1056.4	1055.4	1047.3	1038.2	1024.0	1013.9	1000.7	987.5	979.4	974.4
17.5°	1062.5	1064.5	1061.5	1050.3	1040.2	1027.0	1016.9	1002.7	987.5	977.4	968.3
20°	1077.7	1075.6	1068.6	1054.4	1043.2	1031.1	1023.0	1010.8	993.6	980.4	967.3
22.5°	1099.9	1091.8	1078.7	1063.5	1052.3	1041.2	1033.1	1019.9	1002.7	986.5	971.3
25°	1129.3	1113.1	1094.9	1078.7	1068.6	1056.4	1047.3	1033.1	1014.9	996.6	978.4
27.5°	1171.9	1143.5	1120.2	1106.0	1094.9	1079.7	1068.6	1050.3	1031.1	1009.8	989.5
30°	1219.5	1181.0	1158.7	1147.6	1135.4	1119.2	1102.0	1078.7	1056.4	1033.1	1008.8
32.5°	1281.2	1234.7	1213.4	1202.2	1186.0	1165.8	1145.5	1119.2	1087.8	1057.4	1028.0
35°	1362.3	1314.7	1292.4	1275.2	1252.9	1226.6	1197.2	1161.7	1119.2	1078.7	1041.2
37.5°	1449.4	1397.7	1376.5	1358.2	1324.8	1290.4	1248.8	1197.2	1139.4	1085.8	1039.2
40°	1559.8	1512.2	1484.8	1453.4	1413.9	1354.2	1289.4	1214.4	1140.5	1074.6	1019.9
42.5°	1699.6	1651.9	1611.4	1561.8	1492.9	1400.8	1308.6	1211.4	1122.2	1047.3	988.5
45°	1884.9	1827.2	1757.3	1670.2	1558.8	1430.1	1309.6	1192.1	1087.8	1004.7	941.9
47.5°	2111.8	2023.7	1909.2	1762.3	1602.3	1438.2	1293.4	1153.6	1034.1	944.0	874.1
50°	2381.2	2242.4	2054.0	1838.3	1624.6	1426.1	1252.9	1095.9	958.2	861.9	778.9
52.5°	2689.1	2462.2	2184.7	1893.0	1623.6	1385.6	1184.0	1008.8	858.9	751.5	672.5
55°	3050.7	2713.4	2319.4	1933.5	1595.2	1310.6	1078.7	886.2	736.3	637.1	564.2
57.5°	3580.4	3120.6	2554.4	1996.3	1538.5	1195.2	935.9	739.4	607.7	513.5	451.7
60°	4548.7	3800.2	2977.8	2122.9	1451.4	1026.0	768.7	582.4	472.0	396.0	354.5
62.5°	5277.9	4325.9	3206.7	2094.6	1276.2	817.4	570.2	424.4	347.4	295.8	269.4
65°	5173.6	4162.8	2962.6	1803.9	1000.7	576.3	378.8	288.7	239.0	214.7	199.5
66°	4937.6	3950.1	2750.9	1623.6	865.0	479.1	312.0	242.1	205.6	188.4	178.3
67.5°	4489.9	3555.1	2372.1	1330.9	664.4	347.4	235.0	191.4	167.1	160.0	152.9
70°	3732.3	2835.0	1665.1	774.8	339.3	193.5	148.9	133.7	127.6	126.6	124.6
72.5°	2860.3	2006.4	980.4	366.6	176.2	128.6	115.5	110.4	108.4	108.4	109.4
75°	1753.2	1127.3	433.5	179.3	123.6	108.4	102.3	100.3	99.3	100.3	99.3
77.5°	585.4	358.5	185.4	135.7	112.4	100.3	96.2	94.2	94.2	94.2	94.2
80°	179.3	156.0	141.8	125.6	106.3	95.2	89.1	88.1	89.1	90.1	87.1
82.5°	134.7	127.6	119.5	111.4	96.2	85.1	83.1	83.1	83.1	80.0	76.0
85°	99.3	98.2	81.0	76.0	70.9	70.9	70.9	70.9	67.9	62.8	58.7
87.5°	18.2	17.2	18.2	19.2	28.4	30.4	30.4	32.4	35.4	33.4	33.4
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):

	160°	165°	170°	175°	180°
0°	1009.8	1009.8	1009.8	1009.8	1009.8
2.5°	1013.9	1012.8	1015.9	1013.9	1014.9
5°	1023.0	1022.0	1024.0	1022.0	1025.0
7.5°	1019.9	1017.9	1016.9	1017.9	1018.9
10°	998.7	996.6	995.6	994.6	995.6
12.5°	980.4	976.4	976.4	974.4	975.4
15°	967.3	964.2	963.2	961.2	962.2
17.5°	961.2	956.1	954.1	952.1	952.1
20°	957.1	951.1	948.0	946.0	945.0
22.5°	957.1	948.0	944.0	941.9	940.9
25°	961.2	950.0	944.0	940.9	939.9
27.5°	969.3	955.1	948.0	944.0	944.0
30°	983.5	965.2	955.1	950.0	949.0
32.5°	997.7	973.3	959.2	953.1	951.1
35°	1004.7	973.3	956.1	946.0	944.0
37.5°	996.6	960.2	938.9	923.7	920.7
40°	971.3	932.8	909.5	895.4	893.3
42.5°	937.9	900.4	873.1	862.9	859.9
45°	892.3	847.8	820.4	806.2	807.2
47.5°	814.3	768.7	744.4	731.3	733.3
50°	722.2	677.6	656.3	642.1	645.2
52.5°	620.9	580.4	560.1	553.0	551.0
55°	514.5	483.1	468.9	460.8	457.8
57.5°	417.3	395.0	384.9	374.8	375.8
60°	329.2	318.0	315.0	303.9	302.8
62.5°	259.3	252.2	249.2	241.1	242.1
65°	196.5	194.5	196.5	191.4	193.5
66°	177.2	178.3	178.3	175.2	177.2
67.5°	152.9	155.0	158.0	155.0	157.0
70°	126.6	128.6	130.7	130.7	130.7
72.5°	110.4	112.4	113.4	113.4	113.4
75°	101.3	102.3	103.3	101.3	101.3
77.5°	95.2	95.2	93.2	92.2	91.2
80°	86.1	85.1	82.0	80.0	80.0
82.5°	71.9	69.9	67.9	64.8	64.8
85°	54.7	52.7	50.6	46.6	44.6
87.5°	28.4	29.4	28.4	23.3	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)