

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: P180281

Luminaire Tested: **ICM-F03-LED-E1-RW-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180281
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-RW-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6074.2 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

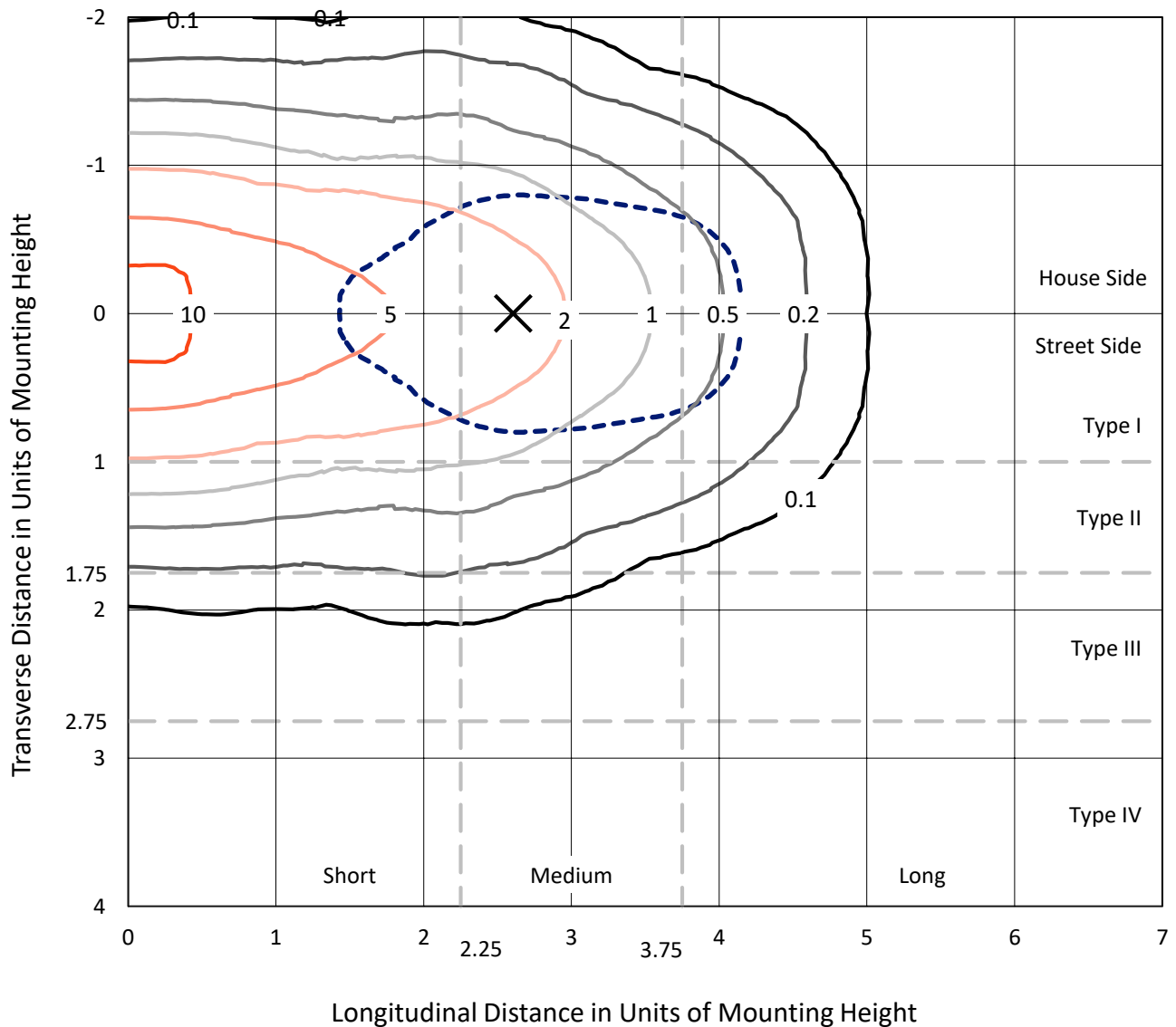
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

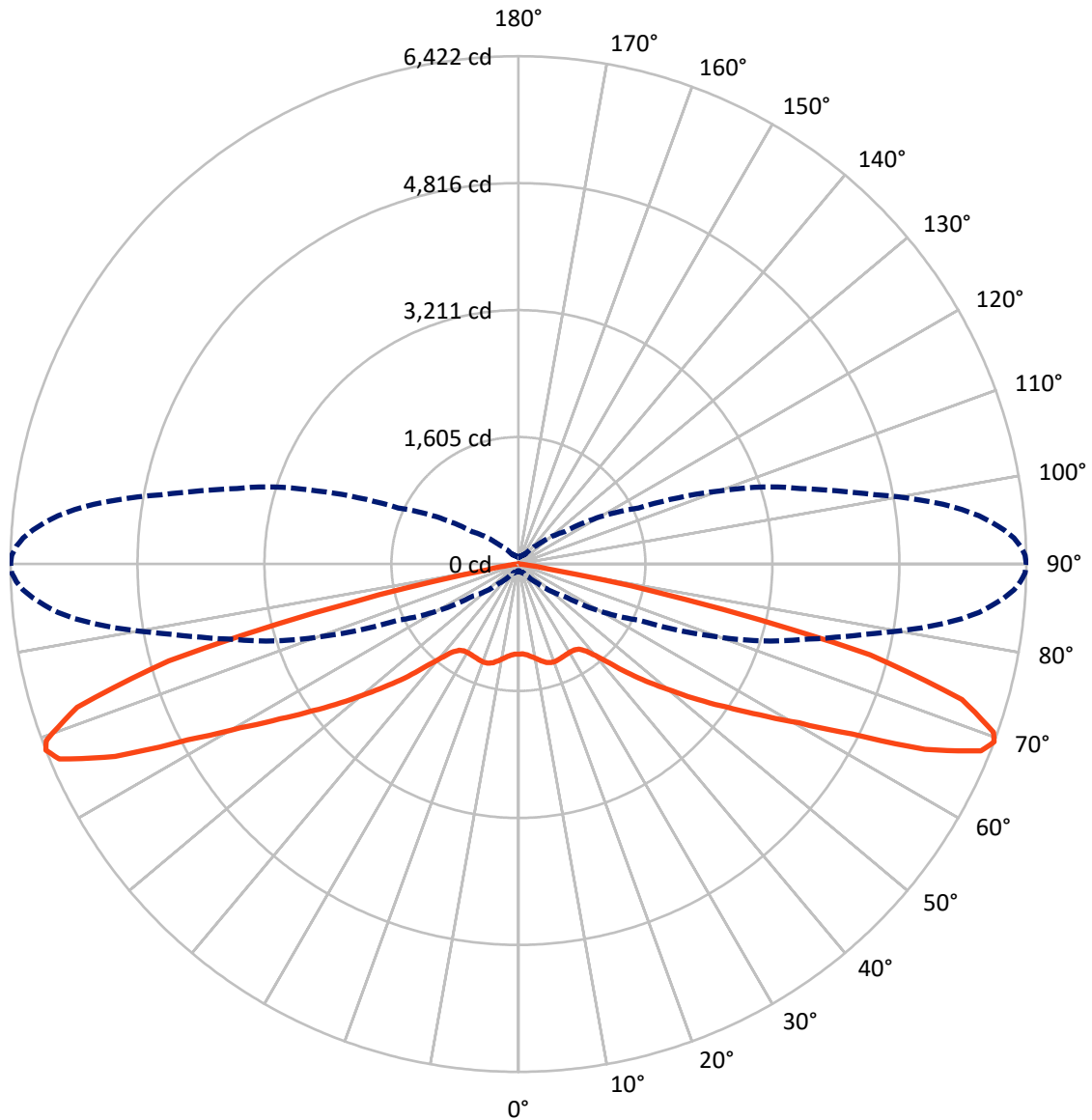
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3037.1	0.0	3037.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3037.1	0.0	3037.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	6074.2	0.0	6074.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.6	1.8
10°-20°	352.2	5.8
20°-30°	570.6	9.4
30°-40°	711.0	11.7
40°-50°	888.6	14.6
50°-60°	1097.2	18.1
60°-70°	1363.3	22.4
70°-80°	905.0	14.9
80°-90°	74.7	1.2
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°	6074.2	100.0
0°-180°	6074.2	100.0



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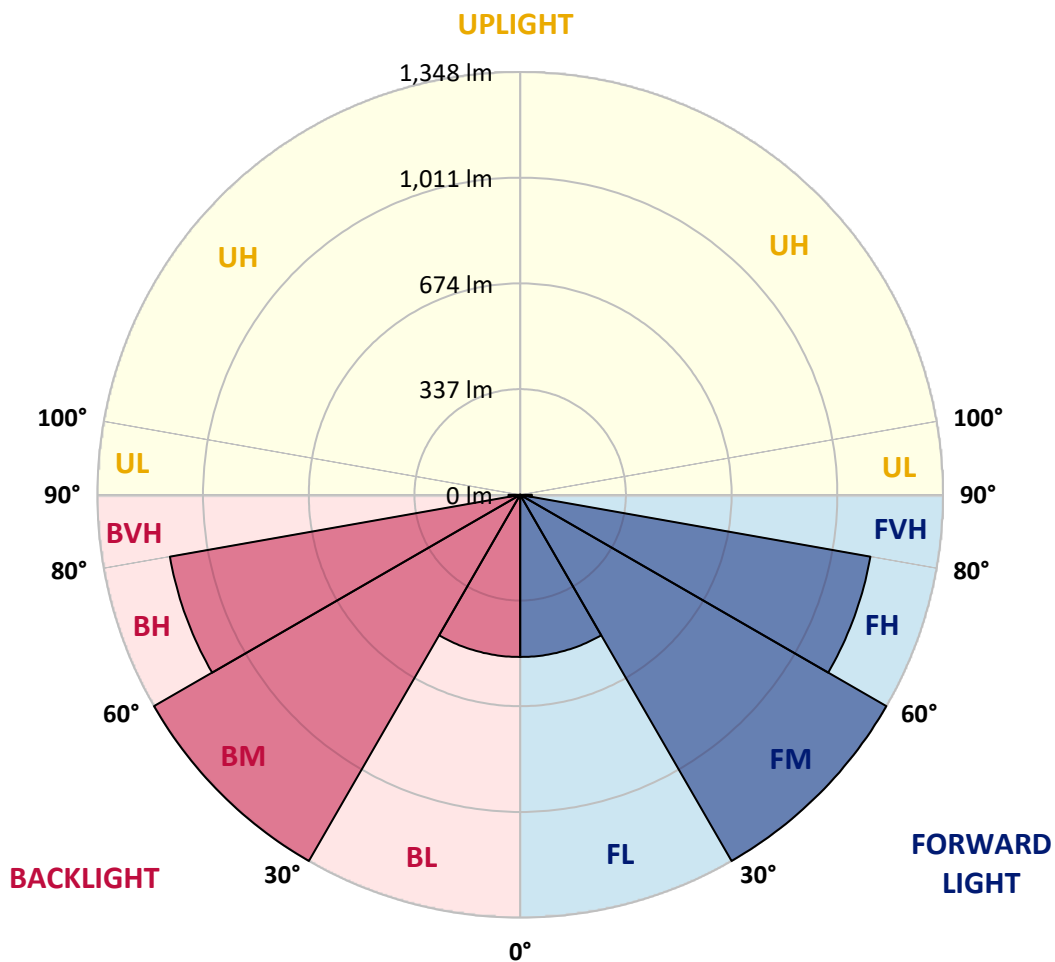
CATALOG NUMBER: ICM-F03-LED-E1-RW-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	517.2	8.5			
FM	(30°-60°)	1348.4	22.2			
FH	(60°-80°)	1134.2	18.7			G1/1800
FVH	(80°-90°)	37.4	0.6			G1/100
BL	(0°-30°)	517.2	8.5	B2/1000		
BM	(30°-60°)	1348.4	22.2	B2/2500		
BH	(60°-80°)	1134.2	18.7	B3/2500		G3/2500
BVH	(80°-90°)	37.4	0.6			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 I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1
2.5°	1143.3	1144.3	1143.6	1144.9	1144.6	1144.6	1144.0	1142.7	1141.9	1141.3	1141.4
5°	1154.2	1152.9	1155.0	1156.8	1156.3	1156.7	1156.3	1156.2	1155.5	1155.5	1155.4
7.5°	1166.0	1165.7	1167.0	1172.1	1172.8	1174.7	1177.0	1178.6	1179.0	1179.3	1179.0
10°	1176.0	1176.4	1179.6	1187.0	1190.9	1197.0	1203.3	1208.1	1209.9	1211.0	1210.9
12.5°	1184.2	1184.5	1189.3	1200.9	1210.4	1222.1	1235.4	1242.8	1246.1	1246.6	1247.3
15°	1184.8	1185.8	1194.1	1213.3	1232.1	1251.2	1267.1	1277.1	1279.7	1281.5	1281.6
17.5°	1176.4	1177.0	1191.3	1219.4	1250.9	1280.8	1297.2	1301.8	1302.7	1303.4	1303.1
20°	1154.3	1155.9	1176.0	1217.9	1265.9	1304.7	1321.9	1315.7	1312.7	1312.3	1311.9
22.5°	1118.7	1118.3	1144.6	1201.0	1268.8	1323.5	1338.7	1322.5	1312.9	1311.0	1309.7
25°	1061.0	1064.9	1095.6	1163.1	1252.2	1327.6	1350.7	1326.1	1312.3	1309.2	1305.5
27.5°	998.4	1000.8	1033.4	1105.7	1213.6	1313.1	1356.5	1333.2	1317.8	1313.5	1309.2
30°	925.6	928.5	963.4	1039.0	1151.7	1275.5	1355.0	1349.4	1331.4	1326.2	1320.8
32.5°	854.2	857.5	888.9	971.5	1086.6	1224.0	1345.1	1372.5	1354.0	1348.3	1342.5
35°	780.3	785.2	823.4	907.0	1023.6	1166.6	1330.2	1401.9	1391.7	1386.7	1381.7
37.5°	719.1	720.0	757.0	844.8	965.4	1111.8	1310.5	1439.2	1446.6	1446.6	1447.3
40°	650.8	656.9	693.8	786.5	912.6	1065.5	1291.7	1489.7	1528.5	1535.5	1541.0
42.5°	589.5	590.1	627.7	723.4	855.3	1028.3	1281.3	1550.7	1633.5	1648.6	1663.7
45°	525.0	527.6	561.6	654.0	789.1	984.2	1281.0	1621.0	1753.2	1778.6	1802.1
47.5°	464.0	465.0	501.0	586.9	713.3	922.6	1278.7	1696.6	1876.5	1914.0	1944.6
50°	405.8	404.7	440.0	522.7	638.4	841.9	1259.0	1782.1	2009.3	2052.0	2089.8
52.5°	339.0	343.4	380.1	459.2	570.3	760.0	1201.3	1875.7	2147.5	2196.9	2244.3
55°	273.5	275.5	314.7	388.6	501.4	683.4	1100.8	1961.9	2282.4	2338.3	2391.0
57.5°	201.6	207.4	241.7	314.6	431.3	619.0	973.2	2006.6	2396.6	2461.1	2523.7
60°	142.3	146.8	177.3	238.5	354.5	551.3	863.3	1981.6	2488.5	2570.9	2646.1
62.5°	110.9	114.4	138.7	178.6	276.5	483.5	784.6	1901.0	2590.6	2698.1	2800.6
65°	97.2	100.5	122.5	142.9	206.4	414.5	741.4	1815.8	2727.3	2885.6	3028.7
67.5°	87.8	91.7	110.8	125.1	168.2	361.7	730.1	1761.9	2794.4	3000.5	3193.3
69°	83.6	87.5	104.7	116.7	156.3	342.9	710.7	1677.4	2703.8	2924.1	3134.8
70°	81.0	84.3	100.1	112.4	152.4	330.0	678.3	1571.7	2579.7	2802.1	3022.3
72.5°	75.2	76.8	90.8	102.7	141.3	266.7	521.8	1167.3	2041.1	2258.1	2471.6
75°	66.4	68.4	81.3	92.9	110.1	165.6	330.2	722.1	1374.3	1535.9	1734.2
77.5°	57.3	59.0	70.3	88.7	85.6	103.3	197.4	401.9	780.2	874.1	1003.0
80°	46.0	48.0	58.0	88.2	70.7	80.4	142.0	280.9	383.1	411.1	442.0
82.5°	33.7	35.3	45.4	71.3	54.1	60.7	108.3	238.1	273.7	286.3	292.6
85°	17.2	17.5	28.8	43.4	34.3	31.4	60.8	163.0	185.7	188.8	193.7
87.5°	3.0	3.0	6.5	7.4	8.4	5.2	7.8	27.9	32.3	32.0	34.7
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1
2.5°	1141.8	1141.6	1142.0	1142.1	1142.4	1141.2	1140.9	1140.7	1140.7	1141.4	1140.7
5°	1155.7	1155.6	1155.9	1156.5	1156.3	1155.5	1155.4	1155.5	1154.6	1154.3	1155.0
7.5°	1179.5	1179.3	1178.6	1179.6	1180.4	1180.5	1181.1	1180.6	1180.3	1179.9	1180.6
10°	1212.0	1211.8	1212.0	1213.1	1213.9	1214.0	1214.8	1214.0	1213.6	1214.2	1214.3
12.5°	1248.4	1247.7	1249.3	1250.0	1250.9	1252.8	1251.9	1253.1	1252.2	1253.8	1253.8
15°	1282.7	1283.2	1284.7	1285.2	1285.4	1287.0	1287.3	1288.2	1286.9	1287.2	1289.8
17.5°	1304.0	1303.7	1304.8	1305.2	1306.1	1306.9	1308.4	1309.2	1308.6	1308.6	1309.9
20°	1311.3	1310.2	1310.5	1311.0	1311.1	1311.9	1313.0	1313.1	1313.1	1313.4	1314.8
22.5°	1307.7	1306.1	1304.4	1304.5	1304.7	1304.4	1305.2	1305.7	1306.3	1307.0	1308.7
25°	1302.7	1299.0	1295.9	1295.6	1294.8	1294.9	1295.3	1295.3	1295.9	1296.9	1298.2
27.5°	1303.3	1298.2	1293.3	1291.5	1289.9	1288.8	1288.3	1287.5	1288.2	1289.1	1290.4
30°	1314.3	1306.6	1299.5	1297.3	1294.8	1292.6	1290.7	1288.5	1287.2	1288.2	1288.8
32.5°	1333.9	1326.2	1319.3	1315.7	1312.1	1308.3	1304.7	1302.4	1299.5	1298.5	1298.2
35°	1375.4	1369.3	1363.0	1359.0	1353.0	1350.0	1345.7	1339.5	1334.8	1334.5	1331.9
37.5°	1445.3	1442.4	1437.9	1433.7	1431.7	1423.6	1418.4	1415.2	1410.1	1413.2	1407.8
40°	1545.9	1550.6	1554.8	1552.4	1553.2	1551.1	1547.9	1551.0	1547.4	1546.4	1547.4
42.5°	1674.6	1691.7	1703.6	1707.4	1716.9	1720.8	1727.7	1738.6	1736.4	1748.7	1750.9
45°	1823.9	1848.4	1872.2	1889.9	1909.1	1931.0	1952.9	1970.2	1984.0	1983.3	1998.2
47.5°	1976.1	2012.3	2043.9	2070.5	2105.2	2137.4	2172.8	2208.5	2234.4	2244.1	2247.5
50°	2130.4	2172.0	2215.3	2254.4	2301.3	2352.9	2408.5	2464.2	2492.1	2514.8	2530.0
52.5°	2291.9	2339.6	2385.7	2441.0	2498.9	2566.9	2636.4	2715.6	2757.8	2800.6	2823.3
55°	2445.6	2499.0	2546.4	2620.5	2691.6	2772.6	2863.4	2963.6	3036.5	3086.7	3131.1
57.5°	2585.3	2642.1	2700.4	2783.8	2874.4	2969.1	3084.3	3206.0	3285.4	3372.9	3451.6
60°	2721.7	2793.0	2860.2	2969.2	3076.9	3194.7	3338.1	3492.1	3614.9	3733.9	3824.6
62.5°	2902.5	2994.2	3077.6	3214.7	3355.6	3501.0	3671.7	3853.8	4032.0	4193.3	4315.6
65°	3169.8	3304.4	3429.2	3603.0	3780.7	3972.3	4175.8	4408.6	4622.4	4835.9	5011.0
67.5°	3372.5	3543.0	3703.5	3913.4	4122.5	4344.6	4590.6	4865.5	5130.3	5371.0	5584.3
69°	3332.8	3513.5	3687.2	3901.7	4119.1	4345.8	4594.0	4886.3	5161.3	5422.9	5651.8
70°	3211.6	3400.0	3579.9	3792.8	4013.0	4240.3	4500.1	4787.0	5068.7	5347.4	5578.5
72.5°	2661.7	2850.7	3025.5	3243.2	3465.0	3703.7	3949.7	4229.4	4530.1	4827.9	5030.5
75°	1908.4	2075.5	2244.9	2429.0	2645.2	2842.2	3067.1	3334.0	3586.8	3817.8	3972.7
77.5°	1127.9	1228.0	1348.8	1435.5	1560.9	1669.3	1783.8	1932.1	2009.9	2158.9	2197.2
80°	459.6	456.8	474.8	457.0	460.9	446.4	430.9	428.1	403.8	434.2	411.5
82.5°	291.9	271.5	249.9	219.8	193.3	165.5	139.9	118.6	114.8	115.3	114.0
85°	192.3	183.4	163.9	137.9	112.4	90.1	72.1	57.0	56.4	55.4	55.1
87.5°	34.8	32.3	26.6	22.7	19.1	14.3	10.0	7.4	7.2	7.2	8.5
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):

	84°	85°	86°	87°	88°	89°	90°
0°	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1	1138.1
2.5°	1140.7	1140.7	1140.5	1141.0	1140.8	1139.7	1138.8
5°	1155.6	1154.3	1155.4	1156.3	1154.6	1155.0	1154.3
7.5°	1180.6	1180.3	1180.6	1179.6	1179.0	1179.9	1180.9
10°	1215.5	1215.0	1214.6	1215.6	1215.0	1214.3	1214.6
12.5°	1254.8	1254.8	1254.5	1254.8	1254.5	1253.5	1252.8
15°	1289.5	1290.1	1290.1	1289.5	1289.1	1288.8	1289.1
17.5°	1310.9	1310.5	1310.5	1310.5	1310.1	1310.5	1311.2
20°	1316.4	1315.4	1315.4	1316.1	1315.4	1316.1	1316.4
22.5°	1308.9	1308.9	1308.8	1309.2	1309.9	1309.9	1310.5
25°	1299.5	1299.5	1299.4	1300.1	1300.1	1300.5	1300.8
27.5°	1292.1	1292.0	1292.1	1292.7	1292.7	1293.0	1293.7
30°	1289.8	1289.8	1289.5	1289.8	1290.1	1290.1	1290.4
32.5°	1298.6	1297.5	1297.2	1296.6	1295.9	1296.0	1295.6
35°	1329.3	1326.7	1327.1	1325.0	1325.7	1324.1	1322.8
37.5°	1404.1	1401.6	1398.7	1394.8	1392.6	1395.5	1395.5
40°	1544.2	1545.8	1538.6	1536.8	1532.5	1535.5	1539.3
42.5°	1752.2	1754.2	1755.5	1744.8	1744.4	1742.2	1735.7
45°	1998.9	1994.2	1996.3	1991.4	1989.4	1982.3	1991.1
47.5°	2259.7	2262.6	2251.0	2247.1	2253.9	2242.2	2243.8
50°	2538.7	2539.4	2530.6	2528.7	2534.8	2512.8	2523.2
52.5°	2839.5	2840.8	2847.6	2839.5	2842.7	2837.5	2847.9
55°	3159.3	3183.6	3185.9	3194.6	3195.3	3206.0	3195.3
57.5°	3495.4	3522.9	3548.9	3584.2	3591.9	3587.7	3594.5
60°	3900.1	3972.4	4011.3	4066.6	4075.5	4099.4	4078.7
62.5°	4430.3	4542.7	4627.7	4670.4	4696.3	4746.5	4730.1
65°	5171.8	5305.5	5434.6	5496.2	5564.2	5635.5	5648.5
67.5°	5779.0	5927.9	6062.0	6168.6	6251.6	6304.0	6308.2
69°	5854.9	6013.1	6154.3	6273.0	6353.6	6407.4	6421.7
70°	5786.5	5948.2	6097.9	6211.0	6301.2	6355.9	6375.0
72.5°	5243.0	5435.6	5555.4	5670.8	5797.8	5814.4	5866.9
75°	4150.4	4323.0	4440.7	4471.2	4537.5	4621.2	4591.4
77.5°	2164.8	2240.0	2264.9	2211.7	2209.1	2258.1	2160.9
80°	412.3	412.8	406.0	403.4	408.4	403.5	396.7
82.5°	116.3	114.7	113.7	116.3	116.0	115.7	118.0
85°	53.8	52.2	49.6	49.6	50.9	48.9	49.9
87.5°	7.4	6.1	6.1	6.1	5.9	5.9	5.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)