

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: P181472

Luminaire Tested: **ICM-F06-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181472
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: ICM-F06-LED-E1-T3-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11992.7 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 156.5
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

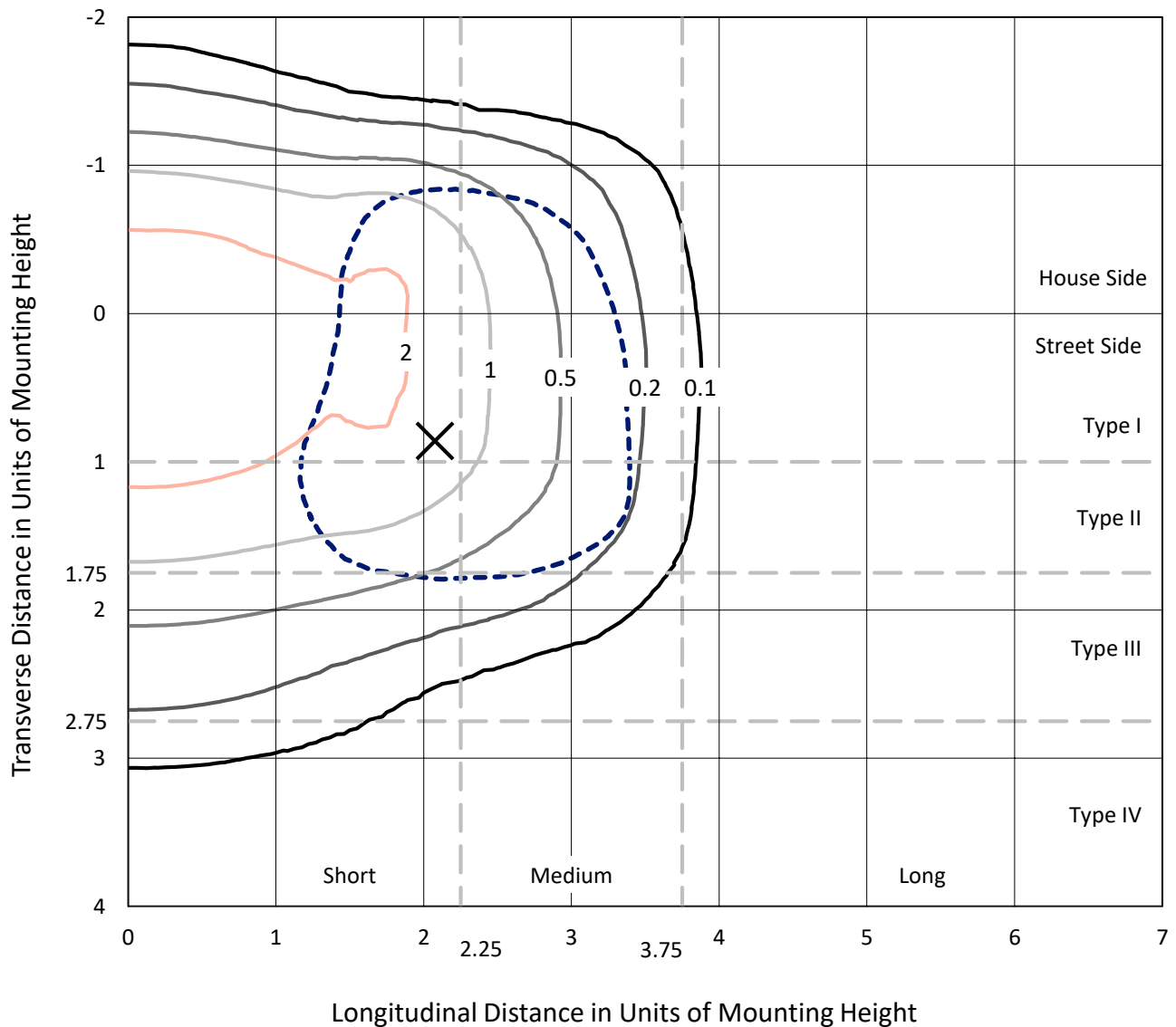


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

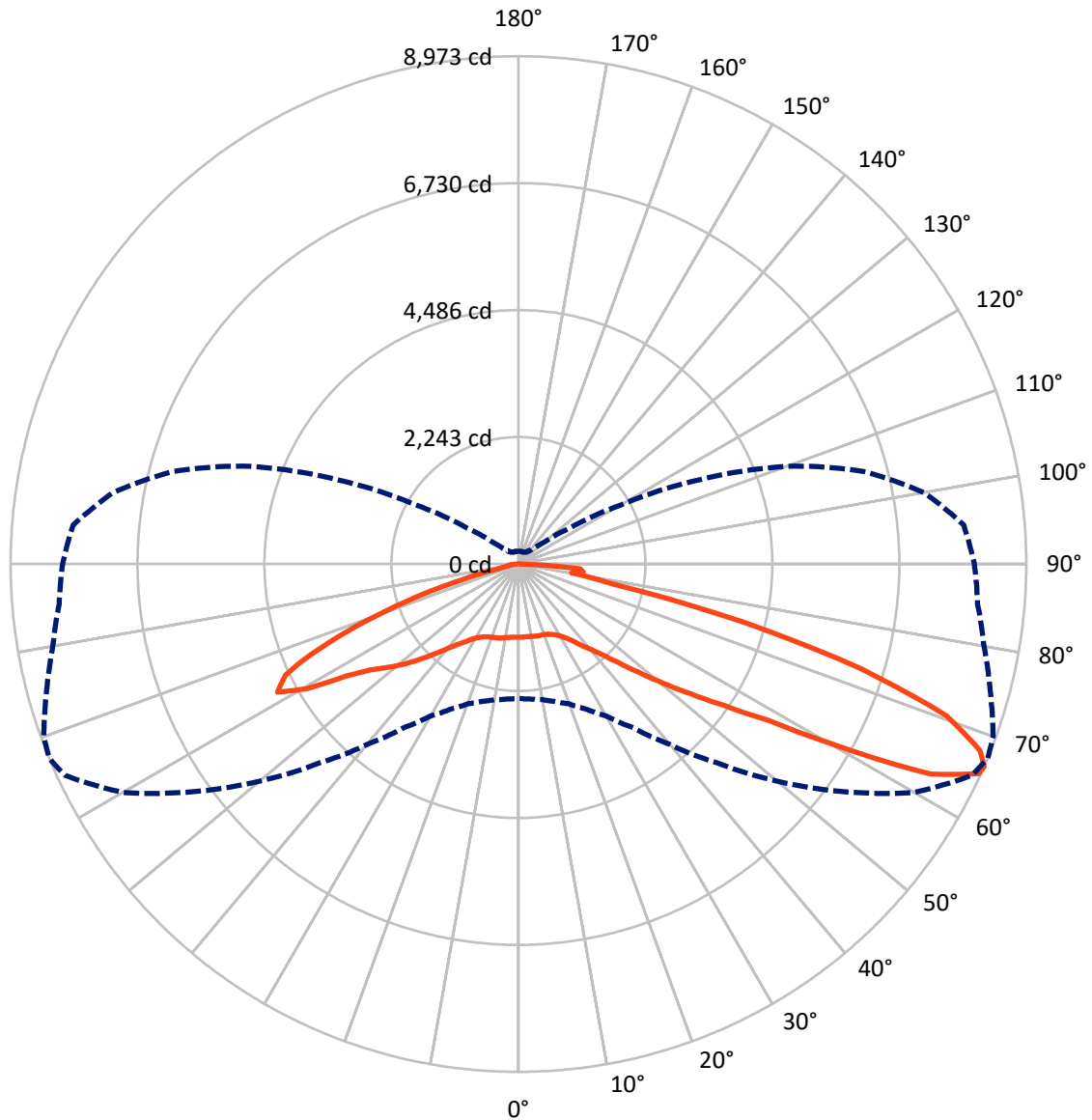


Based on 20 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - Semi-Cutoff

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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	4141.5	0.0	4141.5
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	7851.2	0.0	7851.2
	% Fixture	65.5	0.0	65.5
Total	Lumens	11992.7	0.0	11992.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	1.0
10°-20°	365.3	3.0
20°-30°	627.9	5.2
30°-40°	1019.4	8.5
40°-50°	1702.0	14.2
50°-60°	2680.0	22.3
60°-70°	3654.5	30.5
70°-80°	1582.0	13.2
80°-90°	237.9	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°	11992.7	100.0
0°-180°	11992.7	100.0



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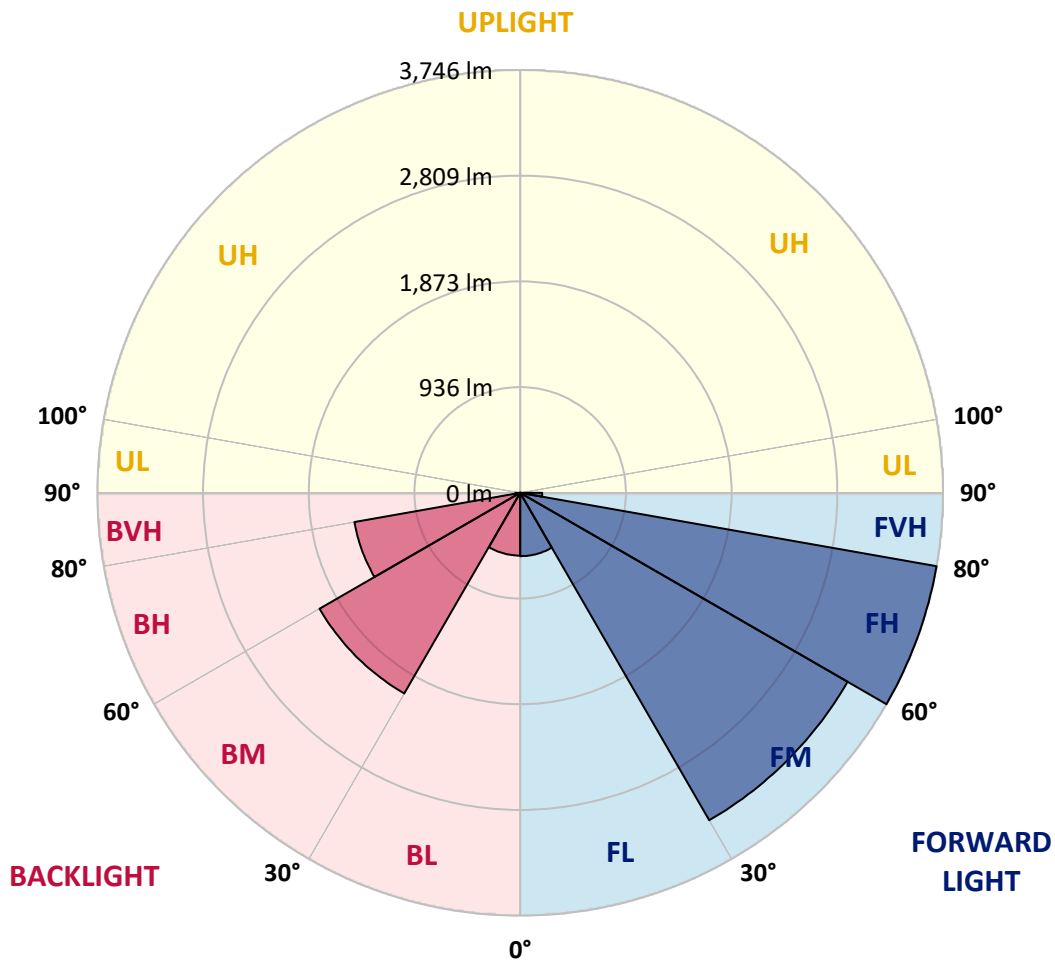
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	561.0	4.7			
FM (30°-60°)	3349.2	27.9			
FH (60°-80°)	3745.7	31.2			G2/5000
FVH (80°-90°)	195.3	1.6			G2/225
BL (0°-30°)	555.9	4.6	B2/1000		
BM (30°-60°)	2052.2	17.1	B2/2500		
BH (60°-80°)	1490.7	12.4	B3/2500		G3/2500
BVH (80°-90°)	42.6	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°	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4
2.5°	1297.6	1302.7	1297.6	1298.9	1300.2	1298.9	1297.6	1297.6	1293.7	1296.3	1298.9
5°	1292.4	1296.3	1295.0	1296.3	1297.6	1296.3	1295.0	1296.3	1293.7	1295.0	1298.9
7.5°	1285.9	1284.6	1285.9	1288.5	1291.1	1291.1	1291.1	1292.4	1291.1	1291.1	1295.0
10°	1266.4	1267.7	1270.3	1274.2	1275.5	1279.4	1279.4	1283.3	1284.6	1287.2	1292.4
12.5°	1241.8	1243.1	1245.7	1248.3	1254.8	1261.2	1261.2	1270.3	1274.2	1280.7	1289.8
15°	1223.6	1224.9	1227.5	1230.1	1235.4	1241.8	1245.7	1256.1	1262.5	1274.2	1287.2
17.5°	1234.1	1232.8	1235.4	1236.7	1236.7	1241.8	1241.8	1249.6	1257.4	1267.7	1284.6
20°	1263.8	1263.8	1266.4	1266.4	1265.1	1267.7	1262.5	1262.5	1263.8	1269.0	1280.7
22.5°	1293.7	1292.4	1297.6	1300.2	1301.4	1305.3	1300.2	1298.9	1292.4	1288.5	1292.4
25°	1322.1	1320.8	1327.4	1331.3	1337.8	1341.6	1341.6	1341.6	1336.5	1330.0	1326.1
27.5°	1366.2	1366.2	1372.8	1376.7	1381.8	1389.6	1393.5	1393.5	1394.8	1385.7	1379.3
30°	1440.1	1441.4	1442.7	1447.9	1453.1	1455.7	1460.8	1464.8	1468.7	1463.5	1453.1
32.5°	1528.3	1520.5	1520.5	1528.3	1534.8	1542.5	1545.1	1550.3	1558.1	1554.2	1552.9
35°	1633.3	1630.7	1628.1	1630.7	1638.4	1647.5	1657.9	1667.0	1661.8	1669.6	1665.7
37.5°	1788.8	1791.5	1792.8	1792.8	1791.5	1794.1	1799.2	1808.3	1805.7	1808.3	1813.5
40°	2045.5	2036.4	2027.4	2028.7	2015.6	2018.2	1997.5	2006.6	2007.9	1998.8	2002.7
42.5°	2302.2	2307.4	2311.3	2321.6	2312.6	2307.4	2287.9	2287.9	2277.5	2268.5	2265.9
45°	2579.6	2590.0	2591.2	2611.9	2604.2	2621.0	2635.3	2631.4	2614.5	2613.2	2595.1
47.5°	2801.2	2818.1	2836.2	2860.9	2880.3	2917.9	2962.0	2984.0	2996.9	3007.4	2986.6
50°	2967.2	2974.9	3021.6	3060.5	3103.3	3165.5	3226.3	3305.5	3369.0	3398.8	3427.3
52.5°	3056.6	3076.0	3126.6	3187.5	3262.7	3356.0	3454.5	3580.3	3689.1	3761.8	3826.5
55°	3076.0	3095.5	3152.5	3230.3	3332.7	3458.4	3599.7	3770.8	3934.2	4074.2	4210.3
57.5°	3021.6	3043.6	3104.6	3194.0	3314.5	3467.5	3645.0	3869.3	4094.9	4321.7	4522.6
60°	2921.8	2948.9	3004.8	3092.9	3226.3	3398.8	3611.4	3892.7	4209.0	4556.4	4941.3
62.5°	2757.1	2785.7	2837.5	2934.7	3072.1	3262.7	3509.0	3859.0	4306.2	4853.2	5536.3
65°	2492.7	2505.7	2569.2	2667.7	2789.5	2999.6	3270.4	3693.0	4275.1	5035.9	5977.1
66°	2373.4	2395.5	2434.3	2513.4	2630.2	2827.2	3099.4	3528.4	4157.1	4972.5	5965.4
67.5°	2186.8	2203.6	2229.6	2282.7	2354.0	2499.2	2757.1	3162.9	3796.8	4651.0	5717.8
70°	1768.1	1775.9	1810.9	1829.0	1853.7	1901.6	1995.0	2228.3	2722.2	3524.5	4614.7
72.5°	1205.5	1227.5	1265.1	1317.0	1384.4	1449.2	1493.3	1523.1	1629.4	2102.5	3074.7
75°	884.0	907.4	955.4	1024.0	1142.0	1276.8	1416.8	1481.6	1437.6	1376.7	1712.4
77.5°	513.3	544.5	584.7	650.7	759.6	938.5	1178.3	1390.9	1534.8	1543.8	1466.1
80°	216.5	220.4	245.0	278.7	346.1	471.8	658.5	964.4	1283.3	1498.5	1549.0
82.5°	49.3	60.9	77.8	92.0	112.7	155.5	230.7	383.7	693.5	1087.5	1418.1
85°	18.1	18.1	24.7	36.3	41.5	46.7	60.9	97.2	166.0	306.0	637.8
87.5°	0.0	1.3	2.6	2.6	5.2	6.5	10.3	14.2	12.9	11.6	38.9
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°	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4
2.5°	1296.3	1295.0	1292.4	1292.4	1292.4	1292.4	1289.8	1291.1	1288.5	1289.8	1289.8
5°	1295.0	1295.0	1293.7	1291.1	1292.4	1292.4	1293.7	1291.1	1291.1	1292.4	1291.1
7.5°	1295.0	1293.7	1293.7	1293.7	1295.0	1293.7	1295.0	1295.0	1295.0	1296.3	1296.3
10°	1295.0	1295.0	1297.6	1298.9	1298.9	1300.2	1304.0	1304.0	1305.3	1306.6	1309.2
12.5°	1296.3	1301.4	1305.3	1309.2	1310.5	1313.1	1319.6	1319.6	1322.1	1326.1	1327.4
15°	1297.6	1305.3	1313.1	1315.7	1318.3	1323.4	1330.0	1332.6	1336.5	1340.3	1342.9
17.5°	1296.3	1306.6	1315.7	1319.6	1323.4	1330.0	1337.8	1340.3	1345.5	1350.7	1355.9
20°	1295.0	1309.2	1323.4	1328.7	1333.9	1342.9	1353.3	1359.8	1364.9	1372.8	1378.0
22.5°	1302.7	1319.6	1339.1	1346.8	1355.9	1367.5	1381.8	1389.6	1396.1	1403.8	1407.7
25°	1327.4	1340.3	1363.6	1376.7	1388.3	1407.7	1427.2	1436.3	1444.0	1450.5	1451.8
27.5°	1368.8	1372.8	1401.2	1418.1	1435.0	1466.1	1489.4	1495.9	1510.1	1515.4	1514.1
30°	1436.3	1429.8	1453.1	1479.1	1503.6	1546.4	1575.0	1591.8	1604.8	1604.8	1594.4
32.5°	1533.5	1523.1	1529.6	1559.4	1587.9	1650.1	1683.8	1705.9	1715.0	1712.4	1690.3
35°	1660.5	1654.1	1650.1	1673.5	1718.8	1791.5	1835.5	1847.2	1861.4	1858.8	1830.3
37.5°	1810.9	1805.7	1805.7	1832.9	1876.9	1984.6	2032.6	2040.3	2039.0	2018.2	1965.1
40°	1988.5	1985.9	1974.2	1989.8	2027.4	2167.4	2232.2	2242.5	2228.3	2194.5	2132.4
42.5°	2243.8	2228.3	2192.0	2201.0	2229.6	2365.7	2450.0	2478.4	2464.2	2430.5	2329.4
45°	2576.9	2560.1	2499.2	2491.5	2507.0	2626.2	2735.1	2741.6	2739.0	2696.2	2576.9
47.5°	2968.4	2942.5	2877.7	2856.9	2851.7	2962.0	3067.0	3077.3	3070.8	3007.4	2847.9
50°	3392.3	3354.7	3311.9	3297.7	3277.0	3356.0	3462.3	3463.6	3437.7	3349.5	3200.5
52.5°	3844.7	3831.7	3823.9	3809.7	3800.7	3869.3	3934.2	3895.3	3856.4	3764.3	3634.7
55°	4301.0	4354.2	4408.6	4413.8	4429.3	4503.2	4501.9	4395.7	4367.1	4316.6	4188.2
57.5°	4785.8	4982.8	5153.9	5207.1	5258.9	5396.3	5383.4	5278.4	5242.1	5179.8	5073.5
60°	5445.6	5977.1	6470.9	6588.9	6670.6	6835.2	6819.7	6657.6	6732.8	6727.6	6590.2
62.5°	6369.8	7253.9	7994.0	8175.5	8232.5	8250.7	8152.1	7977.2	8051.0	8134.0	7711.5
65°	6995.9	8035.5	8795.1	8935.1	8942.9	8726.4	8507.4	8301.3	8283.1	8211.8	7607.8
66°	7010.2	8074.4	8836.6	8972.7	8924.7	8629.2	8351.8	8144.4	8054.9	7898.1	7272.0
67.5°	6758.7	7832.0	8652.5	8796.4	8691.4	8272.7	7890.4	7623.3	7448.3	7194.3	6642.0
70°	5676.3	6740.5	7751.7	8020.0	8053.6	7428.9	6898.7	6585.0	6349.1	6000.4	5524.7
72.5°	4220.6	5182.5	6074.3	6330.9	6461.9	5962.8	5515.6	5277.1	4954.3	4587.5	4249.1
75°	2645.7	3325.0	3922.4	4102.6	3979.6	3593.2	3325.0	3225.1	2907.6	2688.5	2534.2
77.5°	1512.8	1725.3	1773.3	1704.6	1559.4	1193.9	849.0	628.7	545.8	604.1	666.2
80°	1476.5	1353.3	1078.5	948.8	859.4	591.1	347.4	238.5	198.3	203.5	220.4
82.5°	1599.5	1716.3	1412.9	1152.4	967.0	653.3	360.4	191.8	129.6	152.9	172.4
85°	1039.6	1446.6	1302.7	1098.0	889.2	558.7	296.8	99.8	66.1	86.9	119.3
87.5°	105.0	115.3	98.5	133.5	99.8	46.7	23.3	14.2	12.9	15.5	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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4
2.5°	1291.1	1291.1	1292.4	1293.7	1295.0	1296.3	1296.3	1296.3	1296.3	1298.9	1297.6
5°	1293.7	1296.3	1298.9	1300.2	1302.7	1302.7	1306.6	1305.3	1305.3	1309.2	1310.5
7.5°	1298.9	1302.7	1307.9	1306.6	1311.8	1310.5	1313.1	1313.1	1309.2	1310.5	1307.9
10°	1310.5	1315.7	1318.3	1314.4	1315.7	1310.5	1309.2	1302.7	1295.0	1291.1	1285.9
12.5°	1330.0	1335.2	1335.2	1328.7	1320.8	1309.2	1300.2	1285.9	1274.2	1267.7	1261.2
15°	1346.8	1352.0	1350.7	1340.3	1328.7	1310.5	1297.6	1280.7	1263.8	1253.5	1247.0
17.5°	1359.8	1362.3	1358.5	1344.2	1331.3	1314.4	1301.4	1283.3	1263.8	1250.9	1239.3
20°	1379.3	1376.7	1367.5	1349.4	1335.2	1319.6	1309.2	1293.7	1271.6	1254.8	1238.0
22.5°	1407.7	1397.4	1380.5	1361.0	1346.8	1332.6	1322.1	1305.3	1283.3	1262.5	1243.1
25°	1445.3	1424.6	1401.2	1380.5	1367.5	1352.0	1340.3	1322.1	1298.9	1275.5	1252.2
27.5°	1499.7	1463.5	1433.7	1415.5	1401.2	1381.8	1367.5	1344.2	1319.6	1292.4	1266.4
30°	1560.7	1511.5	1482.9	1468.7	1453.1	1432.4	1410.3	1380.5	1352.0	1322.1	1291.1
32.5°	1639.7	1580.1	1552.9	1538.7	1518.0	1492.0	1466.1	1432.4	1392.2	1353.3	1315.7
35°	1743.5	1682.5	1654.1	1632.0	1603.5	1569.8	1532.2	1486.8	1432.4	1380.5	1332.6
37.5°	1855.0	1788.8	1761.6	1738.2	1695.5	1651.5	1598.2	1532.2	1458.3	1389.6	1330.0
40°	1996.2	1935.4	1900.3	1860.1	1809.6	1733.1	1650.1	1554.2	1459.5	1375.4	1305.3
42.5°	2175.1	2114.2	2062.3	1998.8	1910.7	1792.8	1674.8	1550.3	1436.3	1340.3	1265.1
45°	2412.3	2338.4	2249.0	2137.5	1995.0	1830.3	1676.1	1525.7	1392.2	1285.9	1205.5
47.5°	2702.7	2590.0	2443.5	2255.5	2050.7	1840.7	1655.4	1476.5	1323.4	1208.1	1118.7
50°	3047.6	2869.9	2628.9	2352.8	2079.2	1825.1	1603.5	1402.5	1226.2	1103.1	996.8
52.5°	3441.6	3151.2	2796.0	2422.7	2077.9	1773.3	1515.4	1291.1	1099.3	961.9	860.7
55°	3904.3	3472.7	2968.4	2474.5	2041.6	1677.4	1380.5	1134.2	942.4	815.4	722.1
57.5°	4582.3	3993.8	3269.1	2554.9	1969.0	1529.6	1197.8	946.2	777.8	657.2	578.1
60°	5821.5	4863.6	3811.0	2716.9	1857.5	1313.1	983.8	745.3	604.1	506.8	453.7
62.5°	6754.8	5536.3	4103.9	2680.7	1633.3	1046.1	729.8	543.2	444.7	378.5	344.8
65°	6621.3	5327.7	3791.6	2308.7	1280.7	737.6	484.8	369.4	306.0	274.8	255.4
66°	6319.3	5055.4	3520.7	2077.9	1107.0	613.1	399.3	309.8	263.2	241.1	228.2
67.5°	5746.4	4549.9	3035.8	1703.3	850.3	444.7	300.7	245.0	213.9	204.8	195.7
70°	4776.7	3628.2	2131.1	991.6	434.2	247.6	190.5	171.1	163.3	162.0	159.4
72.5°	3660.7	2567.9	1254.8	469.2	225.6	164.7	147.8	141.3	138.7	138.7	140.0
75°	2243.8	1442.7	554.8	229.4	158.1	138.7	130.9	128.4	127.1	128.4	127.1
77.5°	749.2	458.9	237.2	173.7	143.9	128.4	123.2	120.6	120.6	120.6	120.6
80°	229.4	199.6	181.5	160.7	136.1	121.9	114.0	112.7	114.0	115.3	111.4
82.5°	172.4	163.3	152.9	142.6	123.2	108.9	106.3	106.3	106.3	102.4	97.2
85°	127.1	125.8	103.7	97.2	90.7	90.7	90.7	90.7	86.9	80.4	75.2
87.5°	23.3	22.0	23.3	24.7	36.3	38.9	38.9	41.5	45.4	42.8	42.8
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):

	160°	165°	170°	175°	180°
0°	1292.4	1292.4	1292.4	1292.4	1292.4
2.5°	1297.6	1296.3	1300.2	1297.6	1298.9
5°	1309.2	1307.9	1310.5	1307.9	1311.8
7.5°	1305.3	1302.7	1301.4	1302.7	1304.0
10°	1278.1	1275.5	1274.2	1272.9	1274.2
12.5°	1254.8	1249.6	1249.6	1247.0	1248.3
15°	1238.0	1234.1	1232.8	1230.1	1231.4
17.5°	1230.1	1223.6	1221.0	1218.5	1218.5
20°	1224.9	1217.2	1213.3	1210.7	1209.4
22.5°	1224.9	1213.3	1208.1	1205.5	1204.2
25°	1230.1	1215.9	1208.1	1204.2	1202.9
27.5°	1240.6	1222.3	1213.3	1208.1	1208.1
30°	1258.7	1235.4	1222.3	1215.9	1214.6
32.5°	1276.8	1245.7	1227.5	1219.8	1217.2
35°	1285.9	1245.7	1223.6	1210.7	1208.1
37.5°	1275.5	1228.8	1201.6	1182.1	1178.3
40°	1243.1	1193.9	1164.0	1145.9	1143.3
42.5°	1200.4	1152.4	1117.4	1104.4	1100.6
45°	1142.0	1084.9	1050.0	1031.8	1033.1
47.5°	1042.2	983.8	952.8	935.9	938.5
50°	924.2	867.2	840.0	821.9	825.7
52.5°	794.6	742.8	716.8	707.7	705.1
55°	658.5	618.3	600.2	589.8	585.9
57.5°	534.0	505.6	492.6	479.6	480.9
60°	421.3	407.0	403.2	388.8	387.5
62.5°	331.8	322.8	318.9	308.5	309.8
65°	251.4	248.8	251.4	245.0	247.6
66°	226.9	228.2	228.2	224.3	226.9
67.5°	195.7	198.3	202.2	198.3	200.9
70°	162.0	164.7	167.3	167.3	167.3
72.5°	141.3	143.9	145.2	145.2	145.2
75°	129.6	130.9	132.2	129.6	129.6
77.5°	121.9	121.9	119.3	118.0	116.7
80°	110.1	108.9	105.0	102.4	102.4
82.5°	92.0	89.4	86.9	83.0	83.0
85°	70.0	67.4	64.8	59.6	57.0
87.5°	36.3	37.6	36.3	29.8	26.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)