

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: P181473

Luminaire Tested: **ICM-F06-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181473
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-T3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12978.3 lumens
Efficiency: N/A
Efficacy: 82.9 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 (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

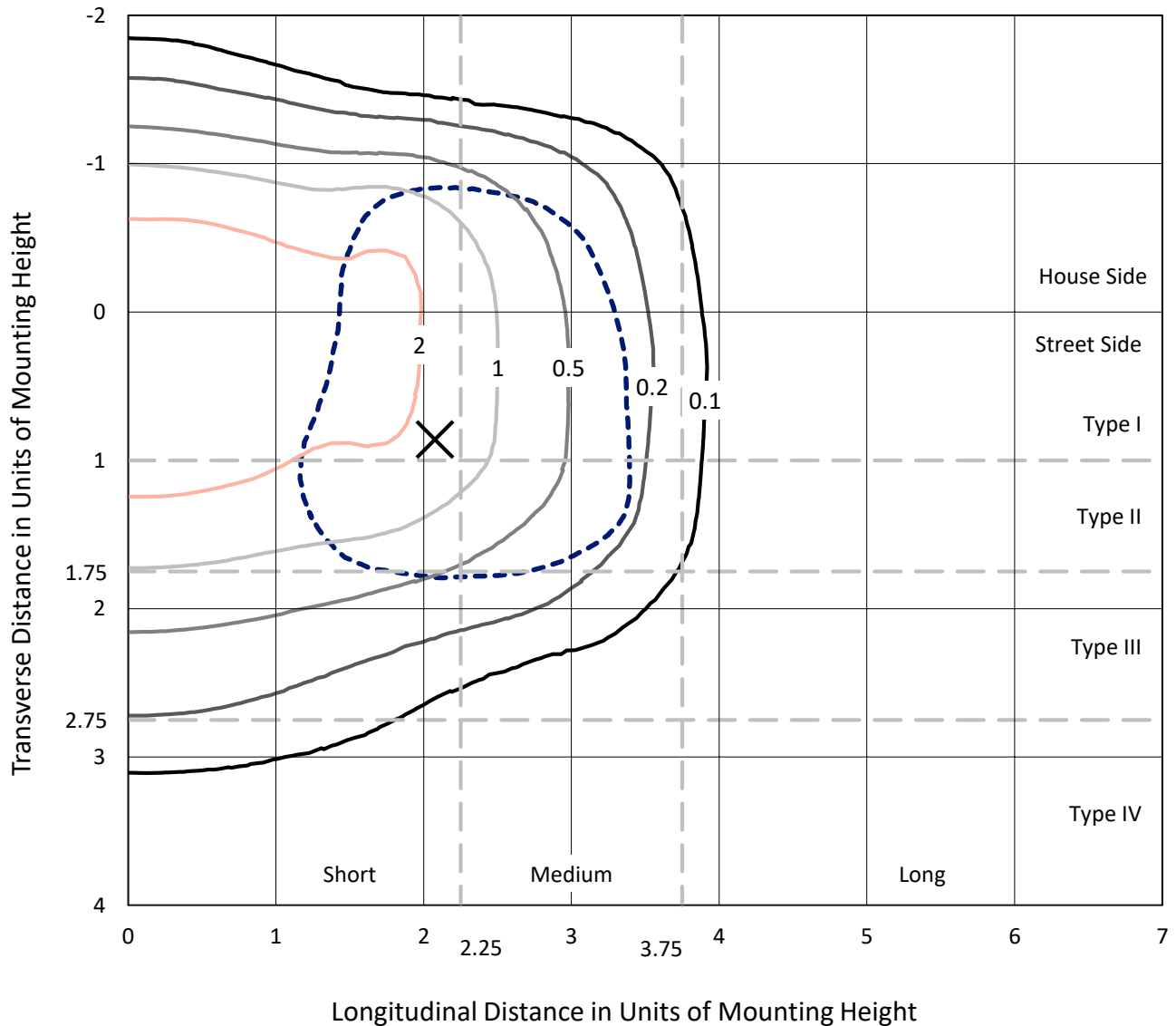


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

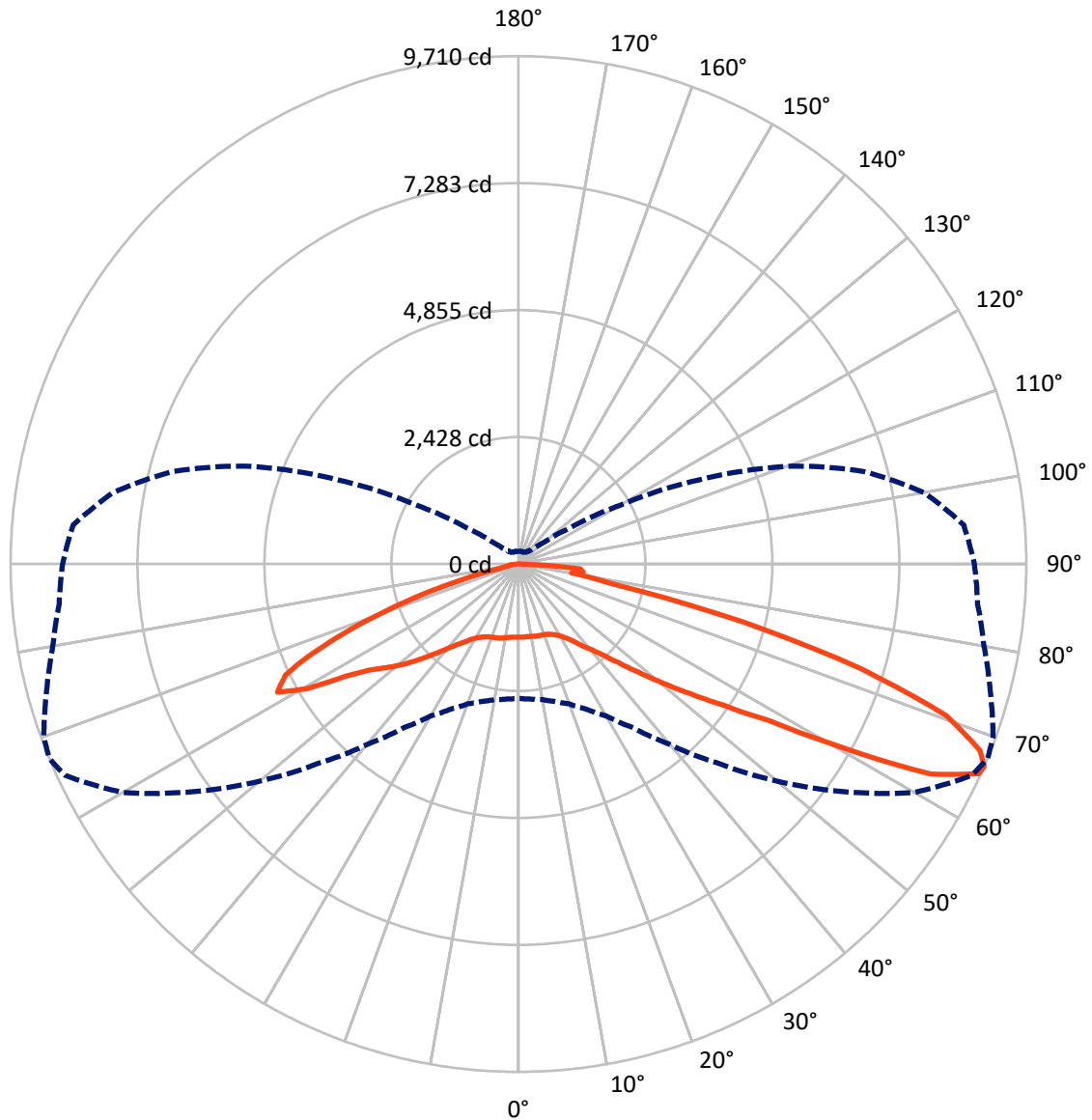


Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - Semi-Cutoff

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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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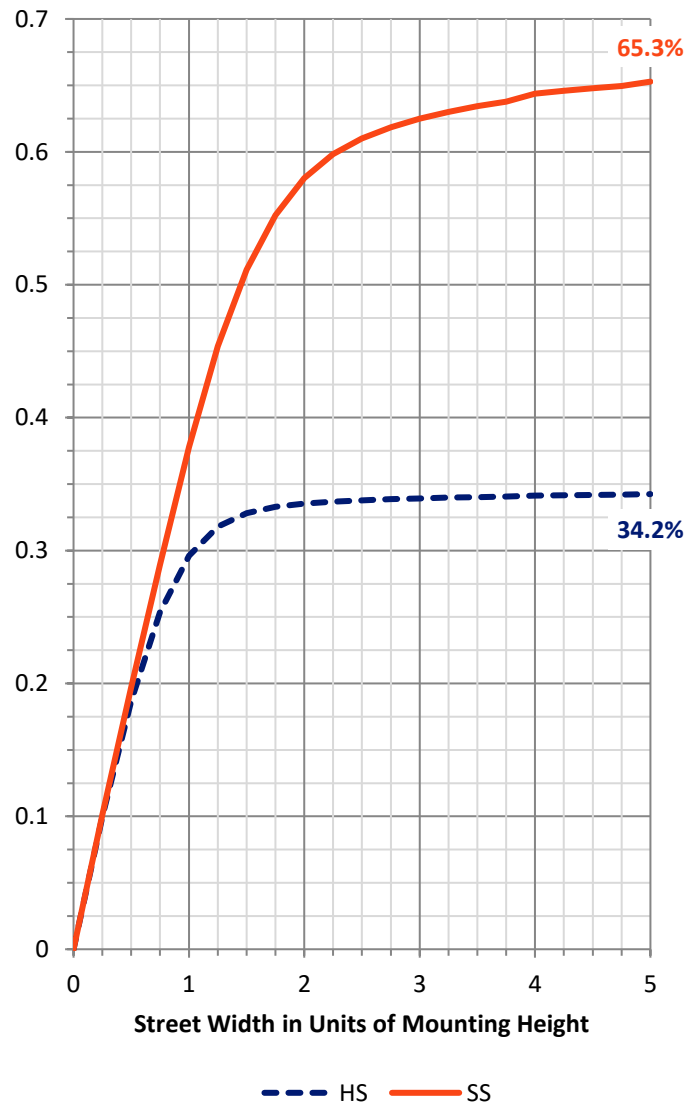
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4481.8	0.0	4481.8
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	8496.5	0.0	8496.5
	% Fixture	65.5	0.0	65.5
Total	Lumens	12978.3	0.0	12978.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	1.0
10°-20°	395.3	3.0
20°-30°	679.4	5.2
30°-40°	1103.2	8.5
40°-50°	1841.8	14.2
50°-60°	2900.2	22.3
60°-70°	3954.8	30.5
70°-80°	1712.0	13.2
80°-90°	257.4	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°	12978.3	100.0
0°-180°	12978.3	100.0



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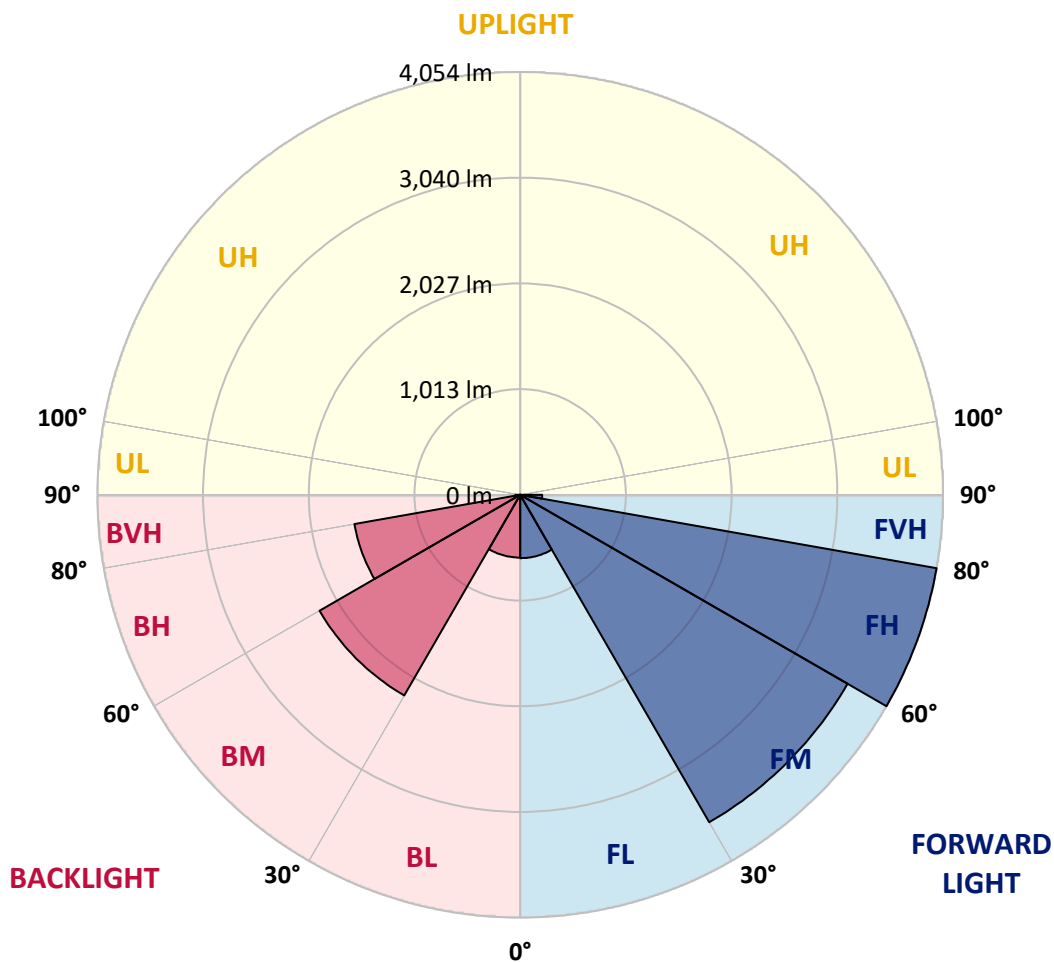
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	607.1	4.7			
FM	(30°-60°)	3624.4	27.9			
FH	(60°-80°)	4053.6	31.2			G2/5000
FVH	(80°-90°)	211.4	1.6			G2/225
BL	(0°-30°)	601.6	4.6	B2/1000		
BM	(30°-60°)	2220.9	17.1	B2/2500		
BH	(60°-80°)	1613.2	12.4	B3/2500		G3/2500
BVH	(80°-90°)	46.1	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°	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6
2.5°	1404.2	1409.8	1404.2	1405.6	1407.0	1405.6	1404.2	1404.2	1400.0	1402.8	1405.6
5°	1398.6	1402.8	1401.4	1402.8	1404.2	1402.8	1401.4	1402.8	1400.0	1401.4	1405.6
7.5°	1391.5	1390.1	1391.5	1394.3	1397.2	1397.2	1397.2	1398.6	1397.2	1397.2	1401.4
10°	1370.5	1371.9	1374.7	1379.0	1380.4	1384.6	1384.6	1388.8	1390.1	1392.9	1398.6
12.5°	1343.9	1345.3	1348.1	1350.9	1357.9	1364.9	1364.9	1374.7	1379.0	1386.0	1395.7
15°	1324.2	1325.6	1328.5	1331.3	1336.8	1343.9	1348.1	1359.3	1366.3	1379.0	1392.9
17.5°	1335.5	1334.1	1336.8	1338.2	1338.2	1343.9	1343.9	1352.3	1360.7	1371.9	1390.1
20°	1367.7	1367.7	1370.5	1370.5	1369.1	1371.9	1366.3	1366.3	1367.7	1373.3	1386.0
22.5°	1400.0	1398.6	1404.2	1407.0	1408.4	1412.6	1407.0	1405.6	1398.6	1394.3	1398.6
25°	1430.8	1429.4	1436.5	1440.7	1447.6	1451.9	1451.9	1451.9	1446.2	1439.3	1435.1
27.5°	1478.5	1478.5	1485.6	1489.8	1495.4	1503.8	1508.0	1508.0	1509.4	1499.5	1492.6
30°	1558.5	1559.9	1561.3	1566.9	1572.6	1575.4	1580.9	1585.1	1589.3	1583.7	1572.6
32.5°	1653.9	1645.5	1645.5	1653.9	1660.9	1669.3	1672.1	1677.8	1686.1	1682.0	1680.6
35°	1767.5	1764.7	1761.9	1764.7	1773.1	1783.0	1794.2	1804.0	1798.3	1806.8	1802.6
37.5°	1935.8	1938.6	1940.0	1940.0	1938.6	1941.5	1947.1	1956.8	1954.1	1956.8	1962.5
40°	2213.6	2203.7	2194.0	2195.4	2181.3	2184.1	2161.7	2171.5	2172.9	2163.1	2167.3
42.5°	2491.4	2496.9	2501.1	2512.4	2502.5	2496.9	2475.9	2475.9	2464.7	2454.9	2452.1
45°	2791.6	2802.8	2804.2	2826.6	2818.2	2836.4	2851.8	2847.6	2829.4	2828.0	2808.4
47.5°	3031.5	3049.7	3069.3	3095.9	3116.9	3157.7	3205.4	3229.2	3243.3	3254.4	3232.0
50°	3211.0	3219.4	3269.9	3312.0	3358.3	3425.6	3491.6	3577.1	3645.9	3678.1	3709.0
52.5°	3307.7	3328.9	3383.6	3449.4	3530.8	3631.8	3738.4	3874.5	3992.3	4070.9	4141.0
55°	3328.9	3349.9	3411.6	3495.7	3606.5	3742.6	3895.6	4080.7	4257.4	4409.0	4556.2
57.5°	3269.9	3293.8	3359.6	3456.5	3586.9	3752.5	3944.7	4187.3	4431.4	4676.9	4894.4
60°	3161.9	3191.4	3251.6	3347.1	3491.6	3678.1	3908.2	4212.6	4554.8	4930.8	5347.4
62.5°	2983.7	3014.6	3070.7	3175.9	3324.6	3530.8	3797.3	4176.1	4660.0	5252.0	5991.3
65°	2697.6	2711.6	2780.3	2886.9	3018.8	3246.1	3539.3	3996.6	4626.4	5449.8	6468.2
66°	2568.5	2592.4	2634.4	2720.0	2846.2	3059.5	3354.1	3818.3	4498.7	5381.1	6455.7
67.5°	2366.5	2384.8	2412.8	2470.3	2547.5	2704.6	2983.7	3422.8	4108.8	5033.2	6187.7
70°	1913.4	1921.8	1959.7	1979.4	2006.0	2057.9	2158.9	2411.4	2945.9	3814.2	4993.9
72.5°	1304.6	1328.5	1369.1	1425.2	1498.1	1568.3	1616.0	1648.3	1763.3	2275.4	3327.4
75°	956.7	982.0	1033.9	1108.2	1235.8	1381.8	1533.2	1603.4	1555.7	1489.8	1853.1
77.5°	555.5	589.2	632.7	704.2	822.1	1015.6	1275.2	1505.2	1660.9	1670.7	1586.5
80°	234.2	238.5	265.1	301.6	374.5	510.6	712.7	1043.6	1388.8	1621.6	1676.3
82.5°	53.3	66.0	84.2	99.6	122.0	168.4	249.7	415.3	750.5	1176.9	1534.6
85°	19.6	19.6	26.7	39.3	44.9	50.5	66.0	105.2	179.5	331.1	690.1
87.5°	0.0	1.4	2.8	2.8	5.6	7.0	11.3	15.4	14.0	12.7	42.0
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°	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6
2.5°	1402.8	1401.4	1398.6	1398.6	1398.6	1398.6	1395.7	1397.2	1394.3	1395.7	1395.7
5°	1401.4	1401.4	1400.0	1397.2	1398.6	1398.6	1400.0	1397.2	1397.2	1398.6	1397.2
7.5°	1401.4	1400.0	1400.0	1400.0	1401.4	1400.0	1401.4	1401.4	1401.4	1402.8	1402.8
10°	1401.4	1401.4	1404.2	1405.6	1405.6	1407.0	1411.2	1411.2	1412.6	1414.1	1416.8
12.5°	1402.8	1408.4	1412.6	1416.8	1418.2	1421.0	1428.0	1428.0	1430.8	1435.1	1436.5
15°	1404.2	1412.6	1421.0	1423.8	1426.6	1432.3	1439.3	1442.1	1446.2	1450.5	1453.3
17.5°	1402.8	1414.1	1423.8	1428.0	1432.3	1439.3	1447.6	1450.5	1456.1	1461.7	1467.4
20°	1401.4	1416.8	1432.3	1437.9	1443.5	1453.3	1464.5	1471.5	1477.1	1485.6	1491.2
22.5°	1409.8	1428.0	1449.1	1457.5	1467.4	1479.9	1495.4	1503.8	1510.8	1519.2	1523.5
25°	1436.5	1450.5	1475.7	1489.8	1502.4	1523.5	1544.5	1554.2	1562.7	1569.7	1571.1
27.5°	1481.3	1485.6	1516.4	1534.6	1552.8	1586.5	1611.8	1618.8	1634.2	1639.8	1638.4
30°	1554.2	1547.3	1572.6	1600.6	1627.3	1673.5	1704.4	1722.6	1736.7	1736.7	1725.4
32.5°	1659.5	1648.3	1655.3	1687.5	1718.4	1785.8	1822.2	1846.1	1855.9	1853.1	1829.2
35°	1796.9	1790.0	1785.8	1811.0	1860.1	1938.6	1986.3	1999.0	2014.4	2011.6	1980.8
37.5°	1959.7	1954.1	1954.1	1983.5	2031.3	2147.6	2199.5	2208.0	2206.6	2184.1	2126.6
40°	2151.9	2149.0	2136.5	2153.3	2194.0	2345.5	2415.6	2426.8	2411.4	2374.9	2307.5
42.5°	2428.2	2411.4	2372.1	2382.0	2412.8	2560.1	2651.3	2682.2	2666.7	2630.2	2520.9
45°	2788.8	2770.5	2704.6	2696.2	2712.9	2842.1	2959.9	2966.9	2964.1	2917.8	2788.8
47.5°	3212.4	3184.3	3114.2	3091.7	3086.2	3205.4	3319.0	3330.3	3323.2	3254.4	3081.9
50°	3671.1	3630.4	3584.1	3568.7	3546.3	3631.8	3746.8	3748.2	3720.2	3624.8	3463.5
52.5°	4160.7	4146.6	4138.3	4122.8	4113.0	4187.3	4257.4	4215.4	4173.3	4073.7	3933.4
55°	4654.4	4711.9	4770.9	4776.5	4793.3	4873.2	4871.8	4756.9	4726.0	4671.3	4532.4
57.5°	5179.1	5392.3	5577.5	5635.0	5691.1	5839.8	5825.8	5712.1	5672.9	5605.5	5490.5
60°	5893.2	6468.2	7002.7	7130.4	7218.7	7396.9	7380.0	7204.7	7286.1	7280.5	7131.8
62.5°	6893.3	7850.0	8651.0	8847.4	8909.1	8928.7	8822.1	8632.8	8712.7	8802.5	8345.2
65°	7570.8	8695.9	9517.9	9669.5	9677.8	9443.6	9206.5	8983.4	8963.8	8886.7	8233.0
66°	7586.3	8738.0	9562.8	9710.1	9658.2	9338.4	9038.2	8813.7	8716.9	8547.2	7869.6
67.5°	7314.1	8475.7	9363.6	9519.3	9405.7	8952.6	8538.7	8249.8	8060.4	7785.4	7187.9
70°	6142.8	7294.5	8388.7	8679.0	8715.5	8039.4	7465.6	7126.2	6870.8	6493.5	5978.6
72.5°	4567.5	5608.3	6573.4	6851.2	6992.9	6452.8	5968.9	5710.7	5361.4	4964.5	4598.4
75°	2863.1	3598.2	4244.9	4439.8	4306.5	3888.5	3598.2	3490.2	3146.4	2909.4	2742.4
77.5°	1637.0	1867.1	1919.0	1844.7	1687.5	1292.0	918.8	680.4	590.6	653.7	721.0
80°	1597.8	1464.5	1167.1	1026.8	930.1	639.6	375.9	258.1	214.6	220.3	238.5
82.5°	1731.1	1857.3	1529.0	1247.1	1046.5	707.0	390.0	207.6	140.3	165.5	186.6
85°	1125.0	1565.5	1409.8	1188.2	962.3	604.6	321.2	108.0	71.5	94.0	129.0
87.5°	113.6	124.8	106.6	144.5	108.0	50.5	25.2	15.4	14.0	16.8	25.2
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°	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6	1398.6
2.5°	1397.2	1397.2	1398.6	1400.0	1401.4	1402.8	1402.8	1402.8	1402.8	1405.6	1404.2
5°	1400.0	1402.8	1405.6	1407.0	1409.8	1409.8	1414.1	1412.6	1412.6	1416.8	1418.2
7.5°	1405.6	1409.8	1415.5	1414.1	1419.6	1418.2	1421.0	1421.0	1416.8	1418.2	1415.5
10°	1418.2	1423.8	1426.6	1422.4	1423.8	1418.2	1416.8	1409.8	1401.4	1397.2	1391.5
12.5°	1439.3	1444.8	1444.8	1437.9	1429.4	1416.8	1407.0	1391.5	1379.0	1371.9	1364.9
15°	1457.5	1463.1	1461.7	1450.5	1437.9	1418.2	1404.2	1386.0	1367.7	1356.5	1349.5
17.5°	1471.5	1474.3	1470.1	1454.7	1440.7	1422.4	1408.4	1388.8	1367.7	1353.7	1341.0
20°	1492.6	1489.8	1479.9	1460.3	1444.8	1428.0	1416.8	1400.0	1376.1	1357.9	1339.6
22.5°	1523.5	1512.2	1494.0	1472.9	1457.5	1442.1	1430.8	1412.6	1388.8	1366.3	1345.3
25°	1564.1	1541.7	1516.4	1494.0	1479.9	1463.1	1450.5	1430.8	1405.6	1380.4	1355.1
27.5°	1623.0	1583.7	1551.5	1531.8	1516.4	1495.4	1479.9	1454.7	1428.0	1398.6	1370.5
30°	1688.9	1635.6	1604.8	1589.3	1572.6	1550.1	1526.2	1494.0	1463.1	1430.8	1397.2
32.5°	1774.5	1710.0	1680.6	1665.1	1642.7	1614.6	1586.5	1550.1	1506.6	1464.5	1423.8
35°	1886.7	1820.8	1790.0	1766.2	1735.3	1698.8	1658.1	1609.0	1550.1	1494.0	1442.1
37.5°	2007.4	1935.8	1906.4	1881.1	1834.8	1787.2	1729.6	1658.1	1578.1	1503.8	1439.3
40°	2160.3	2094.3	2056.5	2013.0	1958.2	1875.5	1785.8	1682.0	1579.5	1488.4	1412.6
42.5°	2353.9	2287.9	2231.8	2163.1	2067.7	1940.0	1812.4	1677.8	1554.2	1450.5	1369.1
45°	2610.6	2530.6	2433.9	2313.2	2158.9	1980.8	1813.8	1651.1	1506.6	1391.5	1304.6
47.5°	2924.9	2802.8	2644.3	2440.9	2219.2	1991.9	1791.4	1597.8	1432.3	1307.4	1210.6
50°	3298.0	3105.8	2844.9	2546.1	2250.1	1975.1	1735.3	1517.8	1327.1	1193.8	1078.7
52.5°	3724.4	3410.2	3025.8	2621.8	2248.7	1919.0	1639.8	1397.2	1189.6	1040.8	931.4
55°	4225.2	3758.1	3212.4	2677.9	2209.4	1815.2	1494.0	1227.4	1019.8	882.3	781.3
57.5°	4958.8	4322.0	3537.8	2764.9	2130.8	1655.3	1296.2	1024.0	841.7	711.2	625.7
60°	6299.9	5263.3	4124.2	2940.2	2010.2	1421.0	1064.8	806.6	653.7	548.5	491.0
62.5°	7309.9	5991.3	4441.2	2900.9	1767.5	1132.0	789.8	587.7	481.1	409.6	373.1
65°	7165.4	5765.4	4103.2	2498.3	1386.0	798.1	524.7	399.8	331.1	297.4	276.4
66°	6838.6	5470.8	3810.0	2248.7	1198.0	663.5	432.1	335.3	284.7	260.9	246.9
67.5°	6218.5	4923.8	3285.3	1843.3	920.2	481.1	325.5	265.1	231.4	221.7	211.8
70°	5169.2	3926.4	2306.2	1073.1	470.0	267.9	206.2	185.2	176.7	175.3	172.6
72.5°	3961.5	2778.9	1357.9	507.8	244.1	178.1	159.9	152.9	150.1	150.1	151.5
75°	2428.2	1561.3	600.4	248.3	171.2	150.1	141.7	138.9	137.5	138.9	137.5
77.5°	810.8	496.6	256.7	188.0	155.7	138.9	133.3	130.4	130.4	130.4	130.4
80°	248.3	216.0	196.4	174.0	147.3	131.9	123.4	122.0	123.4	124.8	120.7
82.5°	186.6	176.7	165.5	154.3	133.3	117.9	115.1	115.1	115.1	110.8	105.2
85°	137.5	136.1	112.2	105.2	98.2	98.2	98.2	98.2	94.0	87.0	81.4
87.5°	25.2	23.8	25.2	26.7	39.3	42.0	42.0	44.9	49.1	46.3	46.3
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):

	160°	165°	170°	175°	180°
0°	1398.6	1398.6	1398.6	1398.6	1398.6
2.5°	1404.2	1402.8	1407.0	1404.2	1405.6
5°	1416.8	1415.5	1418.2	1415.5	1419.6
7.5°	1412.6	1409.8	1408.4	1409.8	1411.2
10°	1383.2	1380.4	1379.0	1377.5	1379.0
12.5°	1357.9	1352.3	1352.3	1349.5	1350.9
15°	1339.6	1335.5	1334.1	1331.3	1332.7
17.5°	1331.3	1324.2	1321.4	1318.6	1318.6
20°	1325.6	1317.2	1313.0	1310.2	1308.8
22.5°	1325.6	1313.0	1307.4	1304.6	1303.2
25°	1331.3	1315.8	1307.4	1303.2	1301.8
27.5°	1342.4	1322.8	1313.0	1307.4	1307.4
30°	1362.1	1336.8	1322.8	1315.8	1314.4
32.5°	1381.8	1348.1	1328.5	1320.0	1317.2
35°	1391.5	1348.1	1324.2	1310.2	1307.4
37.5°	1380.4	1329.9	1300.4	1279.4	1275.2
40°	1345.3	1292.0	1259.7	1240.1	1237.2
42.5°	1299.0	1247.1	1209.2	1195.2	1191.0
45°	1235.8	1174.1	1136.3	1116.7	1118.1
47.5°	1127.8	1064.8	1031.1	1012.8	1015.6
50°	1000.2	938.4	909.0	889.4	893.6
52.5°	859.9	803.8	775.7	766.0	763.1
55°	712.7	669.1	649.5	638.2	634.1
57.5°	578.0	547.1	533.0	519.1	520.5
60°	455.9	440.5	436.3	420.8	419.4
62.5°	359.1	349.3	345.1	333.9	335.3
65°	272.1	269.3	272.1	265.1	267.9
66°	245.5	246.9	246.9	242.7	245.5
67.5°	211.8	214.6	218.8	214.6	217.4
70°	175.3	178.1	180.9	180.9	180.9
72.5°	152.9	155.7	157.1	157.1	157.1
75°	140.3	141.7	143.1	140.3	140.3
77.5°	131.9	131.9	129.0	127.6	126.2
80°	119.3	117.9	113.6	110.8	110.8
82.5°	99.6	96.8	94.0	89.8	89.8
85°	75.7	72.9	70.1	64.6	61.8
87.5°	39.3	40.7	39.3	32.3	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)