

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: P181458

Luminaire Tested: **ICM-E05-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181458
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-E05-LED-E1-T3-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13101 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

Input Watts (W): 127.3
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

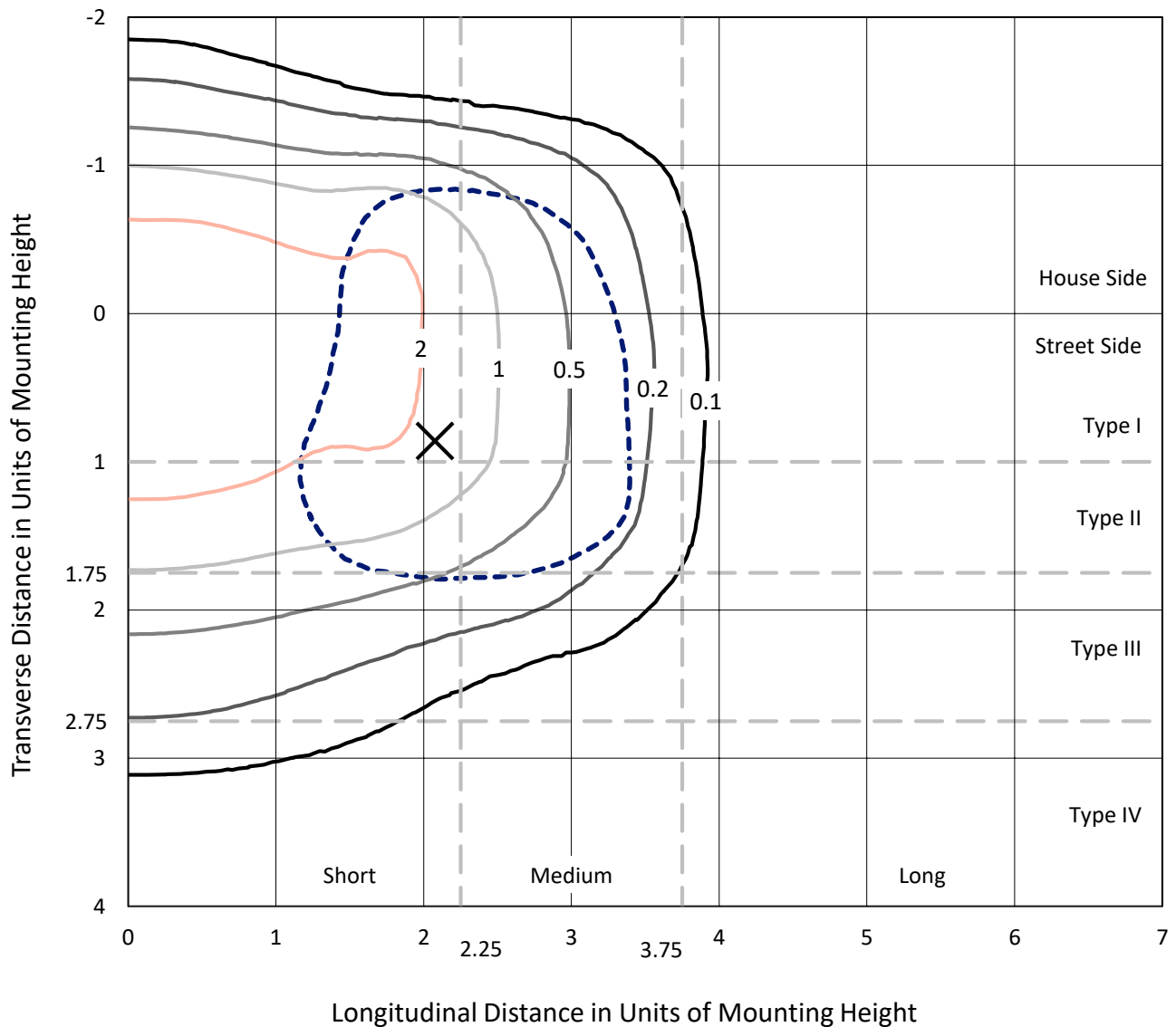


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

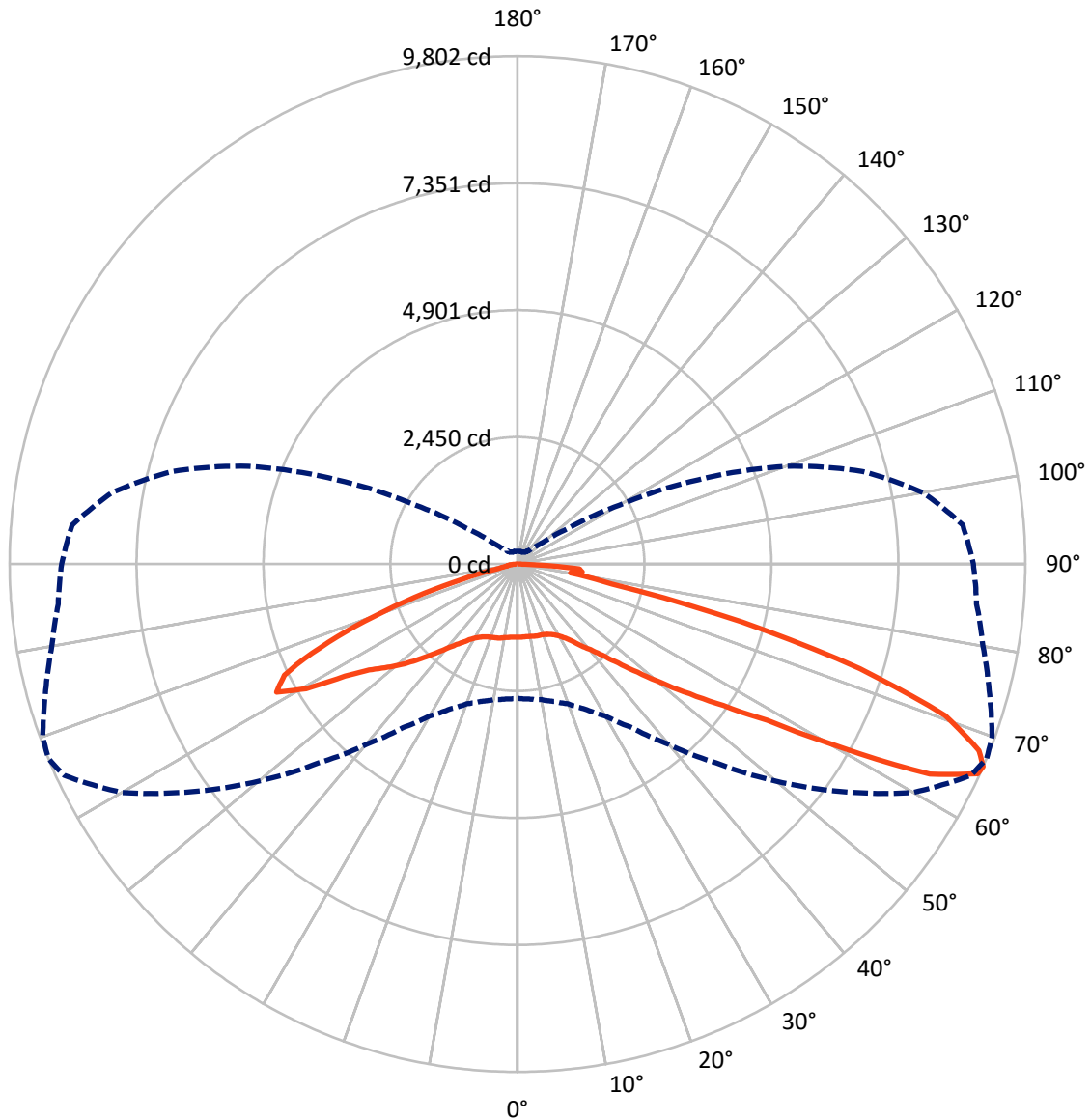


Based on 20 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - Semi-Cutoff

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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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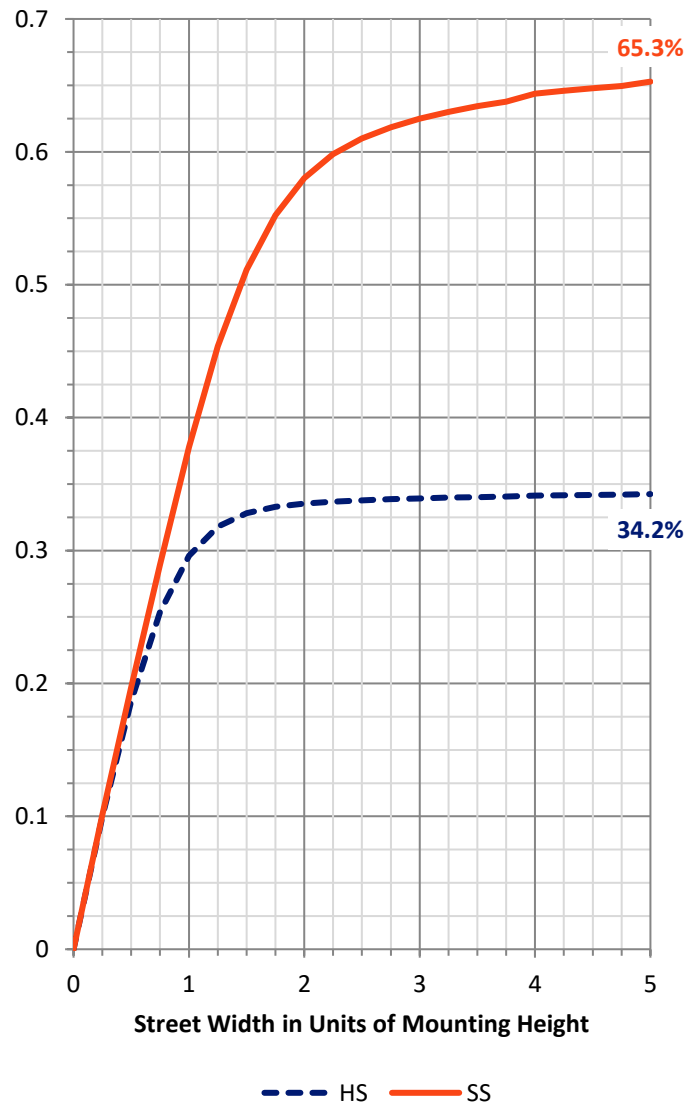
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4524.2	0.0	4524.2
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	8576.8	0.0	8576.8
	% Fixture	65.5	0.0	65.5
Total	Lumens	13101.0	0.0	13101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.2	1.0
10°-20°	399.1	3.0
20°-30°	685.9	5.2
30°-40°	1113.7	8.5
40°-50°	1859.3	14.2
50°-60°	2927.7	22.3
60°-70°	3992.2	30.5
70°-80°	1728.2	13.2
80°-90°	259.9	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°	13101.0	100.0
0°-180°	13101.0	100.0

Coefficient of Utilization



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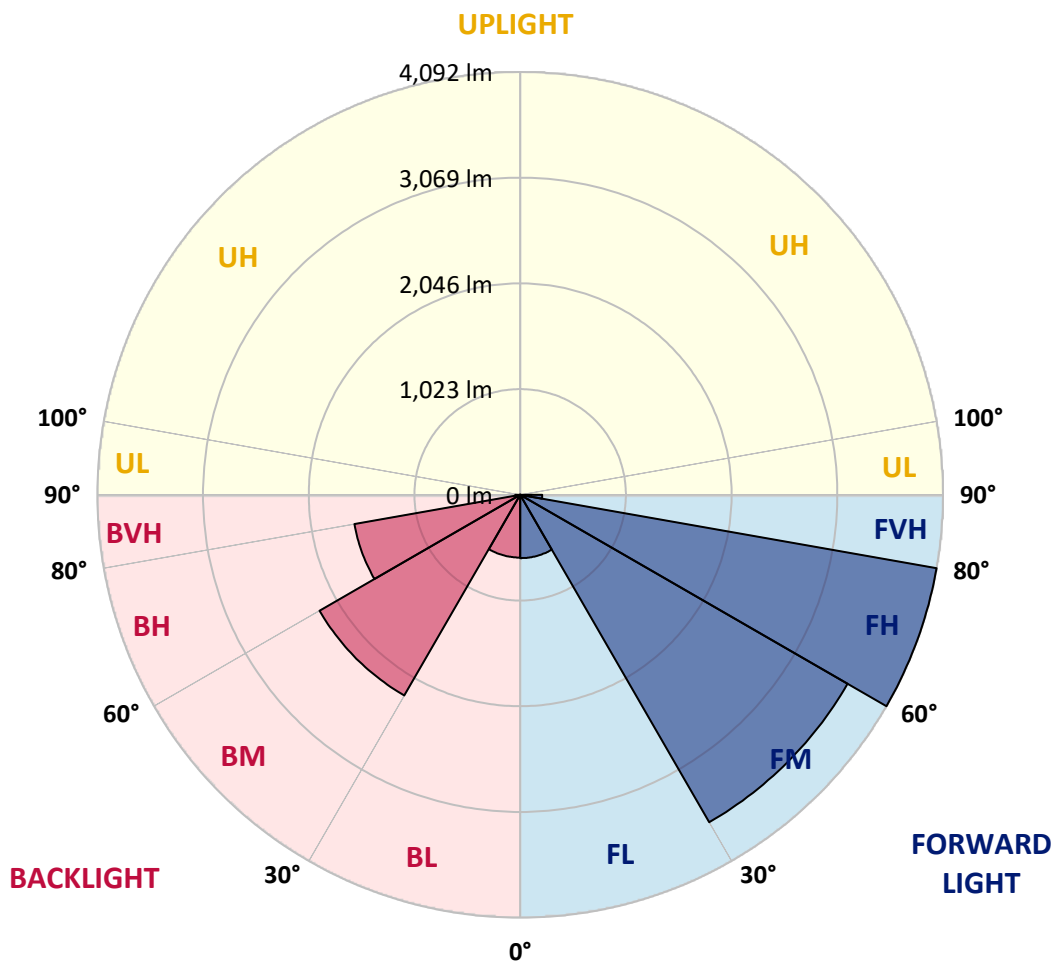
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	612.9	4.7			
FM (30°-60°)	3658.7	27.9			
FH (60°-80°)	4091.9	31.2			G2/5000
FVH (80°-90°)	213.4	1.6			G2/225
BL (0°-30°)	607.3	4.6	B2/1000		
BM (30°-60°)	2241.9	17.1	B2/2500		
BH (60°-80°)	1628.5	12.4	B3/2500		G3/2500
BVH (80°-90°)	46.5	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°	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8
2.5°	1417.5	1423.2	1417.5	1418.9	1420.3	1418.9	1417.5	1417.5	1413.2	1416.1	1418.9
5°	1411.8	1416.1	1414.6	1416.1	1417.5	1416.1	1414.6	1416.1	1413.2	1414.6	1418.9
7.5°	1404.8	1403.4	1404.8	1407.5	1410.4	1410.4	1410.4	1411.8	1410.4	1410.4	1414.6
10°	1383.5	1384.9	1387.7	1392.0	1393.4	1397.7	1397.7	1401.9	1403.4	1406.1	1411.8
12.5°	1356.6	1358.0	1360.8	1363.6	1370.7	1377.8	1377.8	1387.7	1392.0	1399.1	1408.9
15°	1336.8	1338.1	1341.0	1343.8	1349.5	1356.6	1360.8	1372.2	1379.3	1392.0	1406.1
17.5°	1348.1	1346.7	1349.5	1350.9	1350.9	1356.6	1356.6	1365.0	1373.6	1384.9	1403.4
20°	1380.7	1380.7	1383.5	1383.5	1382.1	1384.9	1379.3	1379.3	1380.7	1386.3	1399.1
22.5°	1413.2	1411.8	1417.5	1420.3	1421.7	1426.0	1420.3	1418.9	1411.8	1407.5	1411.8
25°	1444.4	1443.0	1450.1	1454.3	1461.4	1465.6	1465.6	1465.6	1459.9	1452.8	1448.7
27.5°	1492.6	1492.6	1499.6	1503.8	1509.5	1518.1	1522.2	1522.2	1523.6	1513.8	1506.7
30°	1573.2	1574.6	1576.1	1581.8	1587.4	1590.2	1595.9	1600.1	1604.4	1598.7	1587.4
32.5°	1669.5	1661.0	1661.0	1669.5	1676.6	1685.1	1687.9	1693.6	1702.1	1697.9	1696.5
35°	1784.2	1781.4	1778.5	1781.4	1789.9	1799.8	1811.2	1821.0	1815.4	1823.9	1819.6
37.5°	1954.2	1957.0	1958.4	1958.4	1957.0	1959.8	1965.5	1975.4	1972.6	1975.4	1981.0
40°	2234.5	2224.7	2214.7	2216.1	2202.0	2204.8	2182.2	2192.0	2193.5	2183.5	2187.8
42.5°	2514.9	2520.6	2524.9	2536.2	2526.2	2520.6	2499.4	2499.4	2488.0	2478.1	2475.3
45°	2818.0	2829.3	2830.7	2853.3	2844.9	2863.3	2878.8	2874.6	2856.2	2854.8	2834.9
47.5°	3060.1	3078.5	3098.3	3125.2	3146.4	3187.6	3235.6	3259.7	3273.9	3285.2	3262.6
50°	3241.3	3249.9	3300.9	3343.3	3390.1	3458.0	3524.6	3610.9	3680.3	3712.9	3744.0
52.5°	3339.1	3360.3	3415.6	3482.1	3564.2	3666.2	3773.8	3911.2	4030.1	4109.4	4180.2
55°	3360.3	3381.5	3443.8	3528.8	3640.7	3778.1	3932.4	4119.3	4297.7	4450.6	4599.4
57.5°	3300.9	3324.9	3391.5	3489.1	3620.9	3787.9	3982.0	4226.9	4473.3	4721.1	4940.6
60°	3191.8	3221.5	3282.4	3378.7	3524.6	3712.9	3945.1	4252.4	4597.9	4977.4	5398.0
62.5°	3011.9	3043.1	3099.7	3206.0	3356.0	3564.2	3833.2	4215.6	4704.1	5301.7	6047.9
65°	2723.1	2737.2	2806.6	2914.3	3047.4	3276.8	3572.7	4034.4	4670.2	5501.3	6529.4
66°	2592.8	2616.9	2659.4	2745.7	2873.1	3088.4	3385.8	3854.5	4541.3	5432.0	6516.7
67.5°	2388.9	2407.3	2435.6	2493.7	2571.6	2730.2	3011.9	3455.2	4147.7	5080.8	6246.2
70°	1931.5	1940.0	1978.2	1998.1	2024.9	2077.3	2179.3	2434.2	2973.7	3850.3	5041.1
72.5°	1316.9	1341.0	1382.1	1438.7	1512.4	1583.2	1631.3	1663.8	1780.0	2296.9	3358.9
75°	965.8	991.3	1043.6	1118.7	1247.5	1394.8	1547.7	1618.5	1570.4	1503.8	1870.6
77.5°	560.7	594.7	638.6	710.9	829.8	1025.2	1287.2	1519.5	1676.6	1686.5	1601.6
80°	236.5	240.7	267.6	304.5	378.0	515.4	719.4	1053.6	1401.9	1636.9	1692.2
82.5°	53.8	66.5	84.9	100.6	123.2	170.0	252.1	419.2	757.6	1188.1	1549.1
85°	19.8	19.8	26.9	39.6	45.3	51.0	66.5	106.2	181.2	334.2	696.7
87.5°	0.0	1.4	2.8	2.8	5.7	7.1	11.3	15.5	14.1	12.7	42.5
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8
2.5°	1416.1	1414.6	1411.8	1411.8	1411.8	1411.8	1408.9	1410.4	1407.5	1408.9	1408.9
5°	1414.6	1414.6	1413.2	1410.4	1411.8	1411.8	1413.2	1410.4	1410.4	1411.8	1410.4
7.5°	1414.6	1413.2	1413.2	1413.2	1414.6	1413.2	1414.6	1414.6	1414.6	1416.1	1416.1
10°	1414.6	1414.6	1417.5	1418.9	1418.9	1420.3	1424.6	1424.6	1426.0	1427.4	1430.2
12.5°	1416.1	1421.7	1426.0	1430.2	1431.6	1434.4	1441.6	1441.6	1444.4	1448.7	1450.1
15°	1417.5	1426.0	1434.4	1437.3	1440.1	1445.8	1452.8	1455.7	1459.9	1464.2	1467.1
17.5°	1416.1	1427.4	1437.3	1441.6	1445.8	1452.8	1461.4	1464.2	1469.9	1475.5	1481.2
20°	1414.6	1430.2	1445.8	1451.5	1457.1	1467.1	1478.3	1485.4	1491.1	1499.6	1505.3
22.5°	1423.2	1441.6	1462.8	1471.3	1481.2	1494.0	1509.5	1518.1	1525.1	1533.6	1537.9
25°	1450.1	1464.2	1489.7	1503.8	1516.6	1537.9	1559.1	1569.0	1577.5	1584.6	1586.0
27.5°	1495.4	1499.6	1530.8	1549.1	1567.5	1601.6	1627.1	1634.1	1649.7	1655.4	1654.0
30°	1569.0	1561.9	1587.4	1615.7	1642.6	1689.3	1720.5	1738.9	1753.0	1753.0	1741.8
32.5°	1675.2	1663.8	1671.0	1703.5	1734.7	1802.6	1839.5	1863.5	1873.4	1870.6	1846.5
35°	1814.0	1806.9	1802.6	1828.1	1877.7	1957.0	2005.1	2017.9	2033.5	2030.6	1999.5
37.5°	1978.2	1972.6	1972.6	2002.3	2050.4	2168.0	2220.4	2228.9	2227.5	2204.8	2146.7
40°	2172.2	2169.4	2156.7	2173.7	2214.7	2367.6	2438.4	2449.8	2434.2	2397.4	2329.4
42.5°	2451.2	2434.2	2394.5	2404.5	2435.6	2584.3	2676.4	2707.5	2691.9	2655.1	2544.7
45°	2815.1	2796.7	2730.2	2721.7	2738.6	2868.9	2987.8	2995.0	2992.1	2945.4	2815.1
47.5°	3242.8	3214.4	3143.6	3120.9	3115.4	3235.6	3350.3	3361.7	3354.6	3285.2	3111.1
50°	3705.8	3664.8	3618.1	3602.4	3579.7	3666.2	3782.3	3783.7	3755.4	3659.1	3496.2
52.5°	4200.0	4185.9	4177.3	4161.8	4151.8	4226.9	4297.7	4255.3	4212.8	4112.2	3970.6
55°	4698.4	4756.5	4816.0	4821.7	4838.6	4919.4	4918.0	4801.9	4770.7	4715.5	4575.3
57.5°	5228.0	5443.3	5630.3	5688.3	5745.0	5895.0	5880.9	5766.2	5726.5	5658.5	5542.5
60°	5948.9	6529.4	7069.0	7197.8	7287.0	7466.8	7449.9	7272.9	7355.0	7349.3	7199.2
62.5°	6958.5	7924.2	8732.8	8931.0	8993.4	9013.2	8905.5	8714.4	8795.1	8885.7	8424.1
65°	7642.5	8778.1	9608.0	9760.9	9769.4	9532.9	9293.5	9068.4	9048.6	8970.8	8310.8
66°	7658.0	8820.6	9653.3	9801.9	9749.5	9426.7	9123.7	8897.1	8799.4	8628.1	7944.0
67.5°	7383.3	8555.8	9452.2	9609.4	9494.7	9037.3	8619.5	8327.9	8136.7	7859.1	7255.9
70°	6200.9	7363.5	8468.1	8761.2	8797.9	8115.4	7536.2	7193.5	6935.9	6554.9	6035.2
72.5°	4610.6	5661.4	6635.7	6916.0	7059.0	6513.9	6025.3	5764.8	5412.1	5011.4	4641.8
75°	2890.2	3632.2	4285.0	4481.8	4347.3	3925.3	3632.2	3523.2	3176.2	2936.9	2768.4
77.5°	1652.6	1884.8	1937.1	1862.2	1703.5	1304.2	927.5	686.8	596.2	659.9	727.8
80°	1612.8	1478.3	1178.1	1036.6	938.9	645.7	379.5	260.6	216.7	222.3	240.7
82.5°	1747.5	1874.9	1543.5	1258.9	1056.4	713.7	393.7	209.6	141.6	167.1	188.4
85°	1135.6	1580.3	1423.2	1199.4	971.4	610.3	324.3	109.0	72.2	94.9	130.2
87.5°	114.7	126.0	107.6	145.9	109.0	51.0	25.5	15.5	14.1	17.0	25.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8	1411.8
2.5°	1410.4	1410.4	1411.8	1413.2	1414.6	1416.1	1416.1	1416.1	1416.1	1418.9	1417.5
5°	1413.2	1416.1	1418.9	1420.3	1423.2	1423.2	1427.4	1426.0	1426.0	1430.2	1431.6
7.5°	1418.9	1423.2	1428.8	1427.4	1433.0	1431.6	1434.4	1434.4	1430.2	1431.6	1428.8
10°	1431.6	1437.3	1440.1	1435.9	1437.3	1431.6	1430.2	1423.2	1414.6	1410.4	1404.8
12.5°	1452.8	1458.5	1458.5	1451.5	1443.0	1430.2	1420.3	1404.8	1392.0	1384.9	1377.8
15°	1471.3	1476.9	1475.5	1464.2	1451.5	1431.6	1417.5	1399.1	1380.7	1369.3	1362.2
17.5°	1485.4	1488.3	1484.0	1468.5	1454.3	1435.9	1421.7	1401.9	1380.7	1366.5	1353.8
20°	1506.7	1503.8	1494.0	1474.1	1458.5	1441.6	1430.2	1413.2	1389.1	1370.7	1352.3
22.5°	1537.9	1526.5	1508.1	1486.9	1471.3	1455.7	1444.4	1426.0	1401.9	1379.3	1358.0
25°	1578.9	1556.3	1530.8	1508.1	1494.0	1476.9	1464.2	1444.4	1418.9	1393.4	1367.9
27.5°	1638.3	1598.7	1566.1	1546.3	1530.8	1509.5	1494.0	1468.5	1441.6	1411.8	1383.5
30°	1704.9	1651.1	1620.0	1604.4	1587.4	1564.8	1540.7	1508.1	1476.9	1444.4	1410.4
32.5°	1791.3	1726.2	1696.5	1680.8	1658.2	1629.9	1601.6	1564.8	1520.8	1478.3	1437.3
35°	1904.6	1838.1	1806.9	1782.8	1751.6	1714.8	1673.8	1624.2	1564.8	1508.1	1455.7
37.5°	2026.3	1954.2	1924.4	1898.9	1852.2	1804.0	1746.0	1673.8	1593.0	1518.1	1452.8
40°	2180.8	2114.2	2075.9	2032.0	1976.8	1893.2	1802.6	1697.9	1594.5	1502.4	1426.0
42.5°	2376.1	2309.6	2252.9	2183.5	2087.3	1958.4	1829.5	1693.6	1569.0	1464.2	1382.1
45°	2635.3	2554.5	2456.9	2335.1	2179.3	1999.5	1831.0	1666.7	1520.8	1404.8	1316.9
47.5°	2952.5	2829.3	2669.2	2463.9	2240.2	2010.8	1808.3	1612.8	1445.8	1319.7	1222.1
50°	3329.1	3135.2	2871.7	2570.2	2271.4	1993.8	1751.6	1532.2	1339.5	1205.0	1088.9
52.5°	3759.7	3442.4	3054.4	2646.6	2270.0	1937.1	1655.4	1410.4	1200.8	1050.7	940.3
55°	4265.1	3793.6	3242.8	2703.3	2230.2	1832.4	1508.1	1239.1	1029.5	890.7	788.7
57.5°	5005.8	4362.9	3571.3	2791.1	2151.0	1671.0	1308.5	1033.7	849.7	718.0	631.5
60°	6359.5	5313.1	4163.2	2968.0	2029.2	1434.4	1074.8	814.2	659.9	553.7	495.6
62.5°	7379.0	6047.9	4483.2	2928.4	1784.2	1142.8	797.2	593.3	485.7	413.5	376.7
65°	7233.3	5819.9	4142.0	2522.0	1399.1	805.8	529.6	403.5	334.2	300.2	279.0
66°	6903.3	5522.6	3846.0	2270.0	1209.3	669.8	436.2	338.4	287.4	263.4	249.2
67.5°	6277.3	4970.4	3316.4	1860.7	928.9	485.7	328.6	267.6	233.7	223.7	213.9
70°	5218.2	3963.6	2328.0	1083.3	474.4	270.4	208.2	186.9	178.4	177.0	174.1
72.5°	3998.9	2805.2	1370.7	512.7	246.4	179.8	161.4	154.3	151.5	151.5	152.9
75°	2451.2	1576.1	606.1	250.6	172.7	151.5	143.0	140.2	138.8	140.2	138.8
77.5°	818.5	501.3	259.2	189.8	157.2	140.2	134.5	131.7	131.7	131.7	131.7
80°	250.6	218.0	198.2	175.6	148.7	133.1	124.7	123.2	124.7	126.0	121.8
82.5°	188.4	178.4	167.1	155.7	134.5	119.0	116.1	116.1	116.1	111.9	106.2
85°	138.8	137.4	113.3	106.2	99.2	99.2	99.2	99.2	94.9	87.8	82.1
87.5°	25.5	24.1	25.5	26.9	39.6	42.5	42.5	45.3	49.6	46.7	46.7
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°	1411.8	1411.8	1411.8	1411.8	1411.8
2.5°	1417.5	1416.1	1420.3	1417.5	1418.9
5°	1430.2	1428.8	1431.6	1428.8	1433.0
7.5°	1426.0	1423.2	1421.7	1423.2	1424.6
10°	1396.2	1393.4	1392.0	1390.6	1392.0
12.5°	1370.7	1365.0	1365.0	1362.2	1363.6
15°	1352.3	1348.1	1346.7	1343.8	1345.2
17.5°	1343.8	1336.8	1334.0	1331.1	1331.1
20°	1338.1	1329.7	1325.4	1322.6	1321.2
22.5°	1338.1	1325.4	1319.7	1316.9	1315.5
25°	1343.8	1328.3	1319.7	1315.5	1314.1
27.5°	1355.2	1335.4	1325.4	1319.7	1319.7
30°	1375.0	1349.5	1335.4	1328.3	1326.8
32.5°	1394.8	1360.8	1341.0	1332.5	1329.7
35°	1404.8	1360.8	1336.8	1322.6	1319.7
37.5°	1393.4	1342.4	1312.7	1291.4	1287.2
40°	1358.0	1304.2	1271.6	1251.8	1248.9
42.5°	1311.3	1258.9	1220.7	1206.5	1202.2
45°	1247.5	1185.2	1147.0	1127.2	1128.6
47.5°	1138.5	1074.8	1040.8	1022.4	1025.2
50°	1009.7	947.4	917.6	897.8	902.1
52.5°	868.0	811.4	783.1	773.1	770.3
55°	719.4	675.4	655.6	644.3	640.1
57.5°	583.4	552.3	538.1	523.9	525.4
60°	460.2	444.7	440.4	424.8	423.4
62.5°	362.5	352.6	348.4	337.0	338.4
65°	274.7	271.9	274.7	267.6	270.4
66°	247.8	249.2	249.2	244.9	247.8
67.5°	213.9	216.7	220.9	216.7	219.4
70°	177.0	179.8	182.7	182.7	182.7
72.5°	154.3	157.2	158.6	158.6	158.6
75°	141.6	143.0	144.5	141.6	141.6
77.5°	133.1	133.1	130.2	128.8	127.4
80°	120.4	119.0	114.7	111.9	111.9
82.5°	100.6	97.7	94.9	90.6	90.6
85°	76.5	73.7	70.8	65.1	62.3
87.5°	39.6	41.0	39.6	32.6	28.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)