

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: P181247

Luminaire Tested: **ICM-E03-LED-E1-T2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181247
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E03-LED-E1-T2-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7809.5 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
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

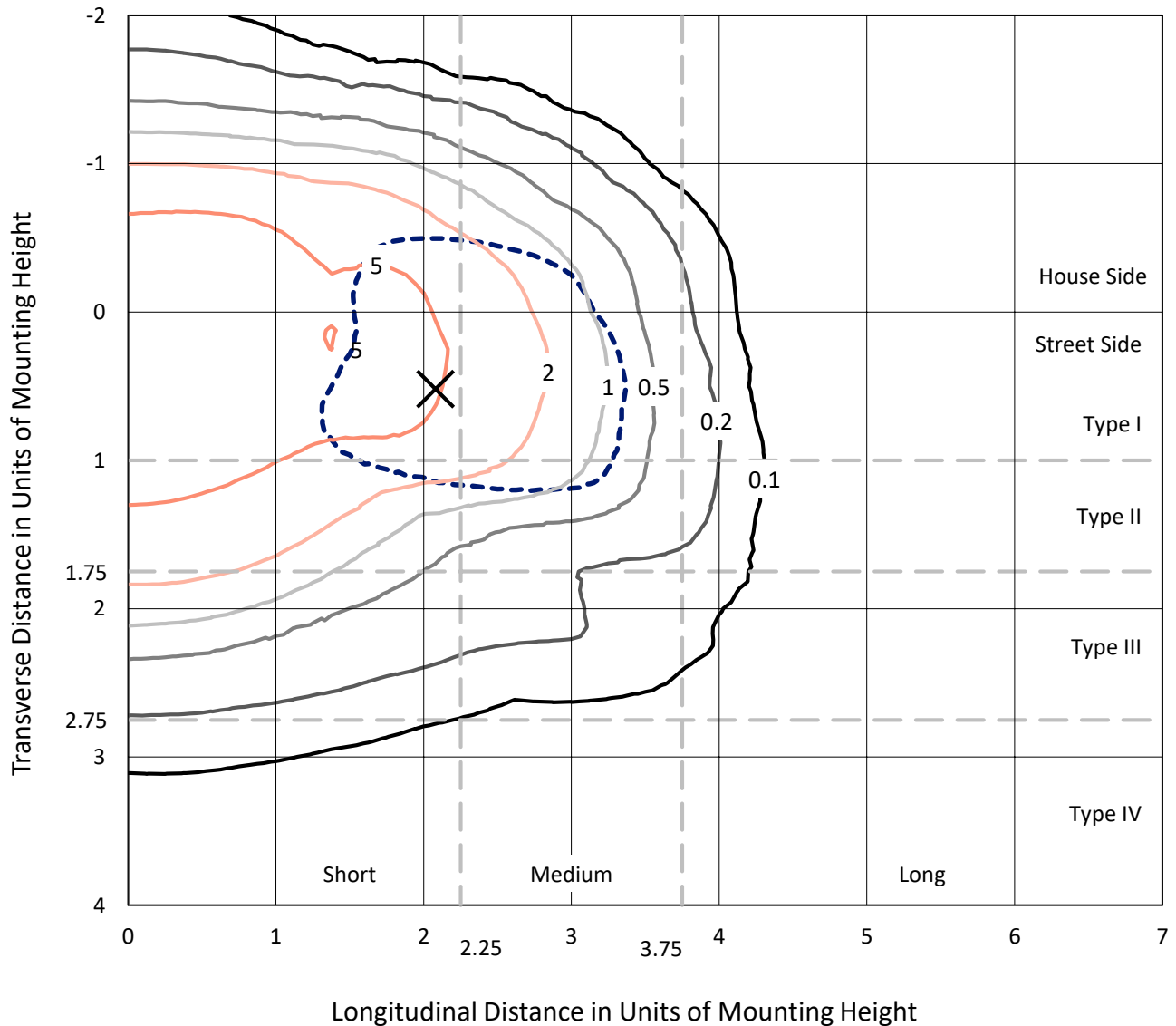


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

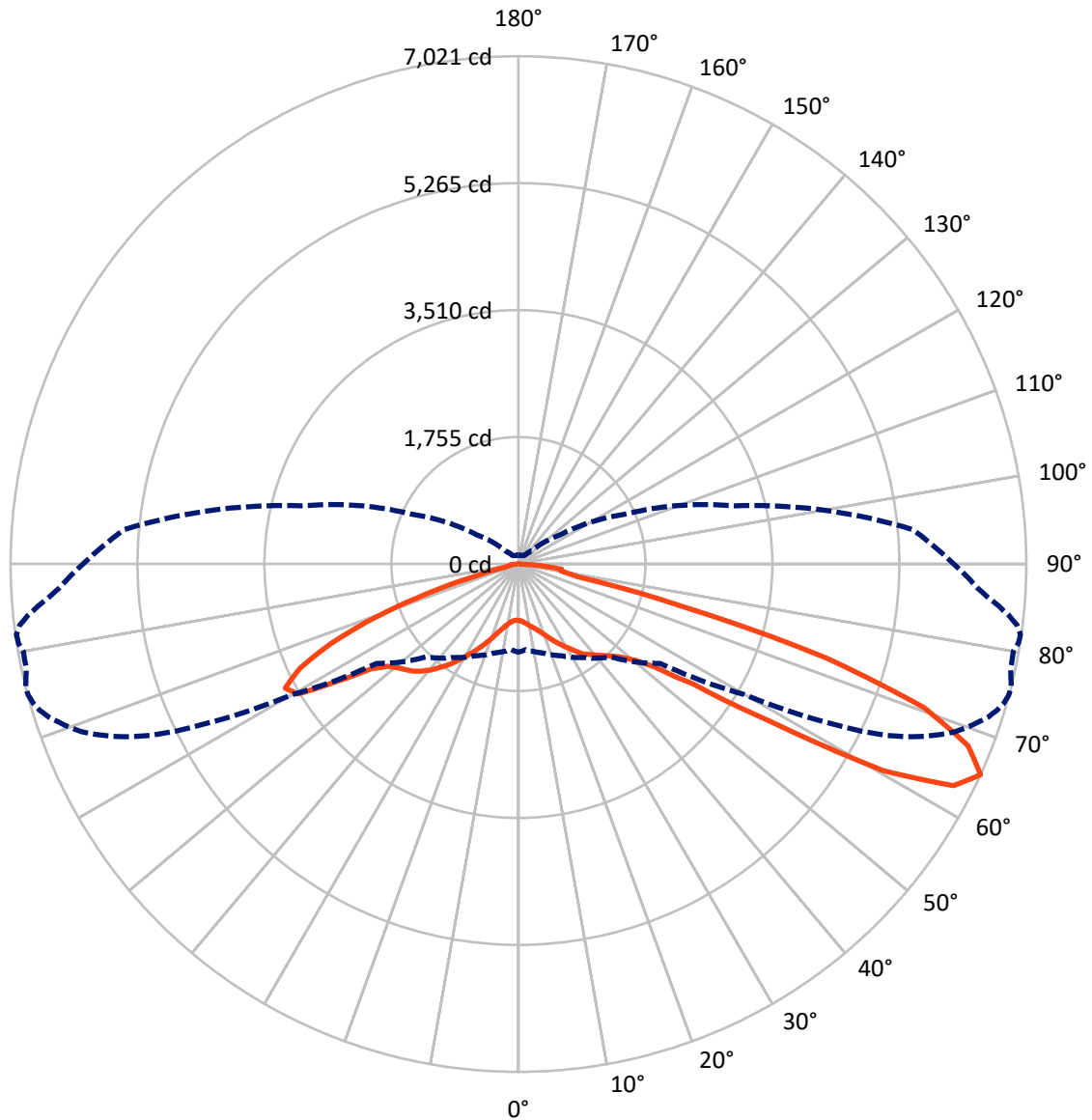


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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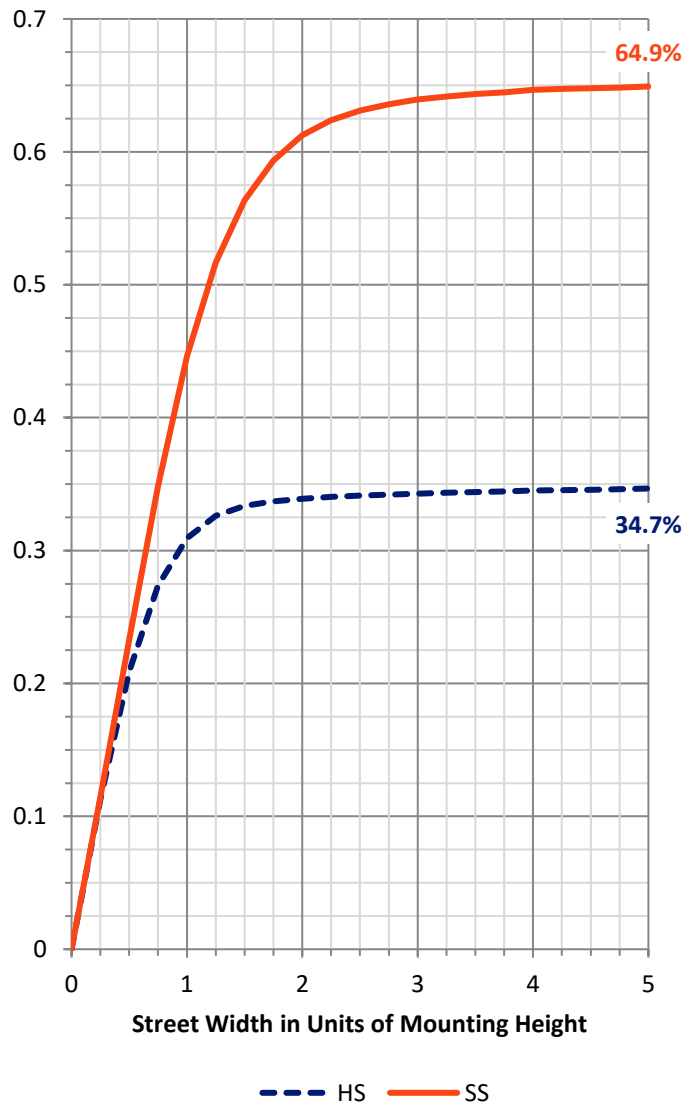
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2734.7	0.0	2734.7
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	5074.8	0.0	5074.8
	% Fixture	65.0	0.0	65.0
Total	Lumens	7809.5	0.0	7809.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	1.0
10°-20°	268.6	3.4
20°-30°	527.6	6.8
30°-40°	876.7	11.2
40°-50°	1288.2	16.5
50°-60°	1783.5	22.8
60°-70°	2128.7	27.3
70°-80°	752.8	9.6
80°-90°	105.2	1.3
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°	7809.5	100.0
0°-180°	7809.5	100.0

Coefficient of Utilization



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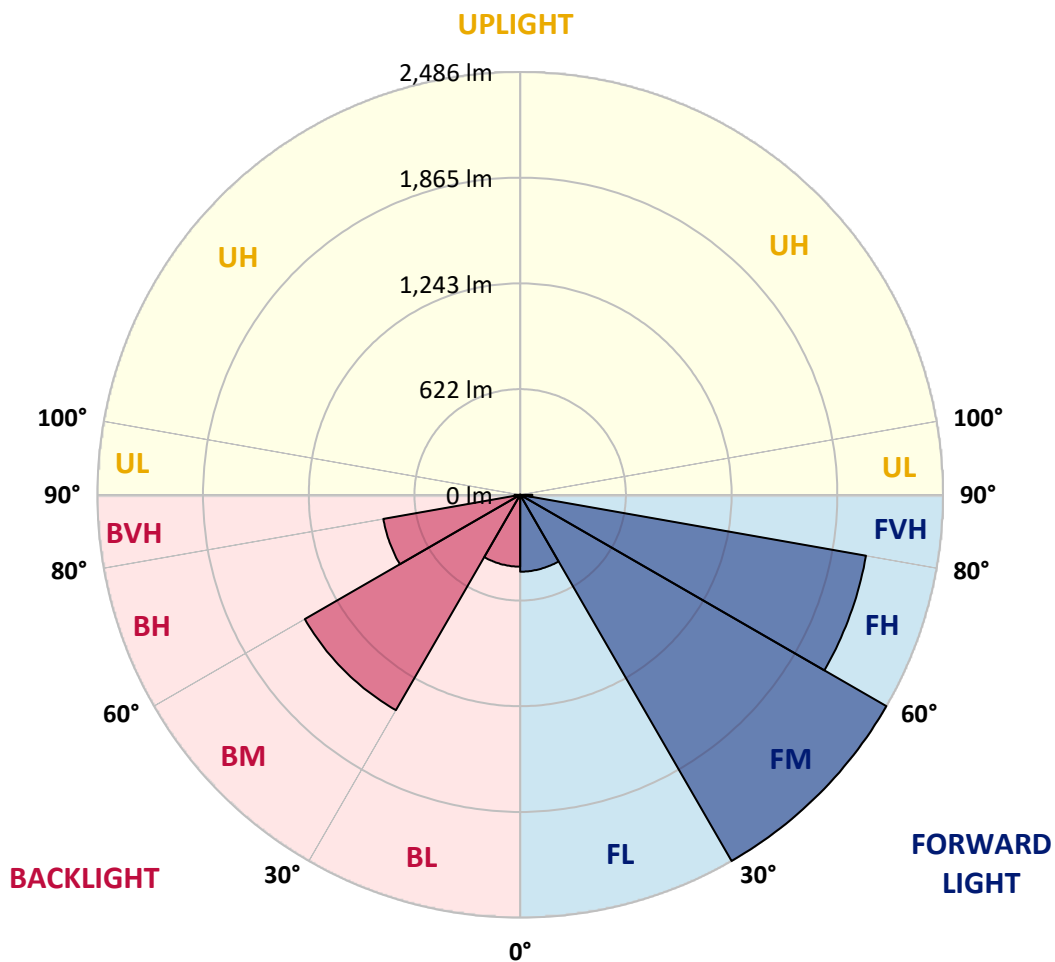
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.9	5.8			
FM	(30°-60°)	2486.3	31.8			
FH	(60°-80°)	2064.7	26.4			G2/5000
FVH	(80°-90°)	71.9	0.9			G1/100
BL	(0°-30°)	422.5	5.4	B1/500		
BM	(30°-60°)	1462.0	18.7	B2/2500		
BH	(60°-80°)	816.8	10.5	B2/1000		G2/1000
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: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	814.8	815.6	814.0	813.1	810.5	806.3	802.9	799.5	799.5	799.5	796.9
5°	850.5	852.2	848.7	846.2	838.6	834.3	828.4	824.1	822.4	821.6	819.1
7.5°	895.5	892.9	887.9	886.1	880.2	870.9	859.8	851.4	851.4	850.5	851.4
10°	940.6	933.8	931.2	928.7	919.3	907.4	894.7	885.3	884.5	883.6	881.0
12.5°	985.6	983.0	980.5	971.2	961.8	943.1	928.7	919.3	918.4	919.3	915.9
15°	1045.0	1039.1	1036.6	1020.4	1000.0	979.6	961.8	953.3	950.7	951.6	949.0
17.5°	1090.9	1090.9	1084.9	1067.2	1040.8	1012.8	994.1	988.9	988.1	988.1	988.9
20°	1127.4	1126.6	1120.7	1106.2	1074.8	1046.7	1037.4	1035.7	1034.9	1034.9	1037.4
22.5°	1147.8	1146.1	1143.6	1127.4	1102.8	1084.1	1084.9	1090.1	1091.8	1093.5	1096.8
25°	1158.1	1155.5	1154.6	1143.6	1125.8	1123.2	1138.5	1152.1	1155.5	1158.9	1163.2
27.5°	1175.1	1170.8	1172.5	1168.3	1164.0	1171.6	1203.1	1217.5	1220.1	1224.3	1226.9
30°	1221.8	1220.1	1226.9	1228.6	1232.0	1243.0	1271.9	1285.5	1291.4	1291.4	1303.4
32.5°	1311.0	1311.8	1313.5	1331.4	1337.3	1344.9	1360.3	1371.3	1372.2	1373.0	1384.0
35°	1430.8	1435.9	1450.3	1465.6	1480.1	1479.2	1469.9	1475.8	1471.5	1476.7	1477.5
37.5°	1582.1	1575.3	1596.5	1631.3	1653.4	1647.5	1605.8	1578.6	1586.2	1582.9	1580.3
40°	1698.4	1706.1	1746.8	1792.8	1809.7	1828.4	1774.1	1727.3	1720.5	1707.7	1700.1
42.5°	1859.0	1859.8	1892.9	1927.0	1976.3	2017.0	1982.2	1915.1	1894.7	1879.4	1846.2
45°	2007.6	2005.1	2032.3	2074.0	2132.6	2191.2	2203.9	2130.9	2123.3	2096.0	2052.8
47.5°	2107.1	2103.7	2122.3	2176.8	2271.9	2367.9	2420.6	2398.5	2384.1	2373.0	2305.0
50°	2174.2	2167.5	2188.7	2246.4	2352.7	2500.5	2638.2	2656.8	2650.9	2650.9	2607.6
52.5°	2224.4	2224.4	2239.6	2286.3	2394.2	2578.6	2825.0	2919.4	2927.0	2935.5	2932.9
55°	2196.3	2200.6	2238.8	2306.7	2420.6	2633.0	2979.6	3186.2	3228.6	3264.3	3305.0
57.5°	2100.3	2114.7	2165.7	2277.0	2427.4	2673.8	3151.3	3559.9	3679.7	3783.4	3944.9
60°	1960.1	1978.8	2052.8	2194.6	2377.3	2607.6	3211.6	3876.0	4066.4	4292.3	4713.8
62.5°	1719.6	1738.3	1810.5	1952.5	2108.8	2353.5	2961.8	3922.7	4226.9	4547.3	5184.5
65°	1218.3	1188.7	1271.9	1399.4	1578.6	1815.6	2393.4	3609.2	4046.8	4481.0	5267.8
67.5°	678.9	676.3	727.3	822.4	994.1	1248.9	1649.1	2768.1	3170.8	3662.8	4628.8
70°	468.2	473.2	505.5	608.4	750.2	970.2	1175.1	1738.3	2028.1	2362.0	3311.8
72.5°	328.8	339.8	357.7	418.9	564.2	817.3	1200.6	1039.1	1183.5	1411.3	1991.5
75°	192.8	200.6	213.3	243.0	321.1	546.3	1243.0	913.4	913.4	966.9	1204.8
77.5°	119.0	119.0	126.6	138.5	170.8	267.6	885.3	1026.3	997.5	966.9	969.4
80°	61.2	65.4	76.5	82.4	95.2	122.3	397.6	957.5	1050.1	1112.2	1068.8
82.5°	28.0	31.4	46.7	50.1	55.3	64.6	136.7	544.7	729.9	960.9	1200.6
85°	14.4	14.4	24.7	30.6	33.1	29.8	50.1	220.1	333.0	508.1	795.3
87.5°	2.5	2.5	4.3	5.1	7.6	6.8	8.5	12.7	21.2	23.0	23.8
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	796.1	796.9	796.1	795.3	793.6	793.6	793.6	792.7	792.7	792.7	791.8
5°	819.1	815.6	816.5	814.8	814.0	813.1	814.0	812.3	810.5	811.4	810.5
7.5°	847.9	846.2	842.8	842.8	842.0	840.3	840.3	837.8	836.9	835.2	834.3
10°	880.2	876.0	877.7	876.0	876.8	873.4	871.7	870.1	868.3	868.3	869.2
12.5°	913.4	912.5	910.0	908.3	908.3	905.7	906.5	905.7	903.2	902.3	899.7
15°	947.4	947.4	944.7	945.7	944.7	943.1	941.4	941.4	939.7	938.0	938.9
17.5°	987.3	987.3	987.3	987.3	988.1	985.6	986.4	984.8	983.0	986.4	986.4
20°	1039.1	1042.5	1042.5	1041.7	1045.9	1043.4	1042.5	1046.7	1042.5	1048.5	1047.6
22.5°	1098.6	1102.0	1102.0	1105.4	1106.2	1108.8	1110.4	1108.8	1112.2	1115.5	1115.5
25°	1164.8	1168.3	1170.8	1175.9	1178.4	1176.8	1177.6	1181.9	1183.5	1187.0	1190.3
27.5°	1234.5	1235.4	1238.8	1244.8	1248.9	1250.7	1251.5	1258.3	1259.2	1260.8	1264.3
30°	1302.5	1311.0	1309.3	1316.9	1319.4	1322.1	1327.2	1329.7	1335.6	1339.0	1339.0
32.5°	1382.3	1380.7	1387.5	1393.4	1397.7	1401.9	1406.1	1409.5	1412.9	1414.6	1423.2
35°	1481.8	1485.1	1485.1	1486.0	1496.2	1497.0	1500.5	1508.1	1510.6	1515.7	1519.2
37.5°	1580.3	1574.3	1573.5	1573.5	1570.1	1572.7	1573.5	1574.3	1577.8	1578.6	1582.1
40°	1690.8	1683.1	1676.3	1672.1	1665.3	1655.9	1654.2	1650.0	1652.6	1651.7	1652.6
42.5°	1842.0	1820.8	1804.7	1792.8	1779.2	1768.9	1761.3	1750.2	1742.6	1733.2	1731.5
45°	2034.9	1994.9	1967.7	1948.2	1928.7	1900.7	1884.5	1867.5	1852.2	1836.9	1824.2
47.5°	2288.1	2245.6	2202.2	2166.5	2136.0	2091.0	2045.0	2019.5	1989.9	1963.5	1944.8
50°	2586.2	2535.3	2514.9	2464.8	2426.5	2358.6	2301.7	2260.0	2200.6	2160.6	2125.8
52.5°	2891.3	2878.5	2867.6	2825.0	2780.0	2740.9	2690.8	2617.7	2557.4	2511.6	2440.1
55°	3306.8	3312.8	3308.5	3285.5	3269.4	3232.0	3211.6	3147.9	3120.7	3054.4	2979.6
57.5°	4006.0	4053.6	4113.9	4137.7	4170.0	4139.4	4175.1	4218.4	4110.5	4147.9	4080.8
60°	4899.0	5117.3	5247.4	5407.1	5511.6	5657.7	5684.0	5722.3	5711.2	5732.5	5775.8
62.5°	5444.4	5703.6	5952.5	6133.5	6327.2	6434.3	6563.4	6653.4	6746.9	6809.8	6791.9
65°	5605.1	5871.8	6097.8	6295.8	6469.1	6599.9	6719.8	6832.8	6918.6	6978.9	7014.6
67.5°	5015.4	5363.8	5601.6	5833.6	6057.1	6194.6	6294.9	6404.5	6530.3	6634.8	6655.2
70°	3774.1	4296.6	4633.9	4911.8	5174.3	5359.5	5499.7	5601.6	5699.4	5774.1	5855.7
72.5°	2360.3	2817.4	3203.1	3563.4	3842.1	4097.0	4215.0	4441.1	4411.3	4468.2	4529.4
75°	1414.6	1637.2	1849.7	2103.7	2249.9	2462.2	2500.5	2537.9	2518.3	2454.6	2502.2
77.5°	983.0	1019.5	1017.9	1003.4	988.1	950.7	902.3	876.0	858.1	832.7	842.8
80°	988.9	910.0	789.3	663.5	548.0	471.5	440.9	440.9	472.4	517.4	562.4
82.5°	1181.9	1097.7	978.8	819.1	649.1	528.5	447.7	415.4	421.4	467.3	525.1
85°	796.9	815.6	715.4	654.2	518.2	403.5	338.1	274.4	243.0	250.6	283.8
87.5°	28.9	34.8	12.7	17.0	11.9	10.2	10.2	11.1	7.6	9.3	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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	791.0	790.1	790.1	788.5	788.5	787.6	787.6	786.8	785.9	785.9	785.0
5°	809.7	808.8	807.2	806.3	804.6	804.6	803.7	802.1	802.1	800.4	799.5
7.5°	836.0	834.3	832.7	831.8	831.0	828.4	828.4	826.7	826.7	825.0	824.1
10°	867.4	865.8	864.1	864.9	862.4	861.5	859.8	859.8	857.3	856.5	856.5
12.5°	901.5	900.7	900.7	898.1	897.2	896.4	892.9	892.9	892.9	891.3	892.1
15°	938.0	938.9	936.3	938.9	938.0	935.4	935.4	935.4	932.0	936.3	932.9
17.5°	987.3	989.9	988.1	988.9	987.3	987.3	988.1	987.3	988.9	988.9	994.1
20°	1048.5	1049.3	1053.6	1051.8	1051.8	1051.0	1052.7	1053.6	1056.9	1055.3	1058.6
22.5°	1115.5	1119.8	1120.7	1124.1	1124.1	1123.2	1124.9	1128.3	1130.1	1132.6	1131.7
25°	1192.0	1194.6	1198.0	1193.8	1200.6	1200.6	1202.2	1206.5	1207.4	1207.4	1213.3
27.5°	1263.4	1270.2	1271.1	1275.3	1272.8	1274.4	1280.4	1283.0	1286.3	1286.3	1288.0
30°	1344.1	1346.7	1348.4	1353.5	1352.7	1353.5	1354.3	1358.5	1358.5	1362.8	1367.1
32.5°	1427.4	1429.1	1430.8	1435.9	1437.6	1440.9	1439.3	1442.7	1446.9	1447.7	1450.3
35°	1526.8	1528.5	1530.1	1537.9	1538.7	1544.7	1546.3	1544.7	1551.5	1547.2	1551.5
37.5°	1584.6	1592.2	1593.9	1599.0	1597.3	1601.6	1604.1	1607.5	1609.2	1612.6	1619.4
40°	1655.1	1657.6	1662.7	1665.3	1668.7	1669.5	1672.9	1675.5	1678.1	1685.7	1693.3
42.5°	1727.3	1730.7	1733.2	1736.7	1740.9	1744.3	1746.8	1754.5	1756.2	1761.3	1775.7
45°	1814.8	1813.1	1814.0	1814.8	1816.5	1820.8	1828.4	1836.1	1841.1	1853.0	1864.9
47.5°	1923.5	1912.6	1908.3	1901.5	1903.2	1912.6	1914.2	1927.0	1937.1	1948.2	1962.6
50°	2088.4	2058.6	2040.8	2023.0	2021.3	2026.3	2033.1	2046.8	2058.6	2073.1	2093.5
52.5°	2365.4	2308.5	2272.8	2223.5	2209.9	2207.4	2202.2	2209.9	2213.3	2232.9	2271.1
55°	2926.2	2820.8	2752.9	2676.4	2604.9	2583.7	2543.0	2551.5	2543.0	2554.8	2611.7
57.5°	4097.0	4012.9	3946.5	3848.9	3726.5	3596.5	3564.2	3430.8	3457.1	3533.6	3484.3
60°	5797.1	5766.5	5718.9	5672.1	5504.8	5410.5	5256.7	5239.7	5131.8	5132.6	5062.1
62.5°	6748.6	6787.8	6758.8	6745.3	6735.9	6706.2	6629.7	6537.9	6400.3	6300.9	6154.7
65°	7020.5	6987.4	6955.9	6951.7	6949.2	6997.6	7008.6	6944.0	6819.1	6664.5	6496.3
67.5°	6703.6	6684.9	6686.6	6650.9	6673.1	6757.2	6815.8	6797.9	6683.2	6496.3	6282.2
70°	5949.2	5912.6	5950.0	5996.7	6029.8	6078.3	6136.9	6151.4	6046.8	5854.8	5636.5
72.5°	4454.6	4460.6	4496.2	4509.1	4642.4	4628.8	4681.5	4509.9	4434.3	4251.6	4139.4
75°	2344.1	2305.9	2405.3	2194.6	2107.9	2168.3	1999.2	1836.9	1870.9	1898.9	1696.8
77.5°	828.4	774.9	683.9	647.4	538.7	456.3	373.0	336.5	316.9	306.7	294.0
80°	594.7	611.7	593.0	548.8	466.4	373.9	294.8	232.8	199.6	181.9	170.0
82.5°	601.6	668.7	698.4	685.7	610.9	462.2	305.0	194.6	144.5	120.7	112.2
85°	322.9	353.5	339.8	286.3	257.4	153.8	105.4	70.5	59.4	54.4	50.1
87.5°	12.7	10.2	8.5	8.5	9.3	10.2	8.5	9.3	8.5	8.5	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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8	780.8
2.5°	783.4	783.4	783.4	782.5	780.8	776.6	772.3	768.9	766.3	763.8	760.4
5°	798.6	796.9	796.9	796.9	790.1	783.4	777.4	771.4	766.3	762.1	758.7
7.5°	824.1	823.3	819.9	819.1	814.0	802.9	796.1	785.9	780.0	774.1	772.3
10°	854.7	853.9	853.0	852.2	845.4	834.3	825.9	816.5	808.0	799.5	791.0
12.5°	890.4	889.6	888.7	886.1	883.6	877.7	868.3	858.1	847.9	830.1	820.7
15°	934.6	936.3	934.6	933.8	932.0	932.9	927.0	912.5	896.4	873.4	853.9
17.5°	993.2	991.5	990.7	994.1	993.2	997.5	995.7	977.1	952.5	915.9	882.0
20°	1057.8	1057.8	1061.2	1063.7	1071.4	1082.4	1077.3	1054.4	1009.4	958.4	914.2
22.5°	1135.1	1136.8	1140.2	1138.5	1150.4	1168.3	1170.0	1137.7	1079.1	1008.5	946.5
25°	1215.8	1217.5	1214.1	1219.3	1238.8	1264.3	1269.3	1223.4	1146.1	1054.4	973.7
27.5°	1292.3	1294.0	1294.0	1300.8	1319.4	1362.8	1367.9	1316.9	1214.1	1094.3	993.2
30°	1367.1	1373.9	1375.5	1377.2	1405.3	1465.6	1476.7	1402.7	1273.6	1124.1	1006.8
32.5°	1461.4	1463.9	1467.4	1471.5	1503.8	1577.8	1577.8	1476.7	1311.8	1142.8	1009.4
35°	1562.5	1563.4	1571.0	1571.8	1617.7	1691.6	1677.2	1537.9	1339.0	1138.5	990.7
37.5°	1623.6	1627.1	1634.7	1644.8	1693.3	1797.8	1764.7	1590.5	1344.1	1110.4	948.2
40°	1699.3	1706.1	1713.7	1723.9	1796.1	1905.7	1838.6	1623.6	1322.9	1055.3	884.5
42.5°	1780.8	1790.2	1802.1	1820.8	1906.6	2000.8	1894.7	1628.8	1274.4	993.2	808.8
45°	1872.6	1889.6	1903.2	1925.3	2022.2	2083.3	1928.7	1599.0	1213.3	911.6	728.1
47.5°	1978.8	1992.4	2016.2	2040.0	2136.9	2139.4	1932.1	1541.2	1130.1	830.1	642.3
50°	2109.6	2118.2	2153.8	2168.3	2259.2	2198.0	1907.5	1463.1	1042.5	738.3	547.2
52.5°	2283.8	2295.7	2341.6	2363.6	2428.3	2277.9	1872.6	1378.1	942.2	635.5	449.5
55°	2627.9	2679.7	2712.0	2750.2	2791.9	2458.8	1857.3	1287.2	829.2	516.6	356.0
57.5°	3594.0	3577.0	3648.3	3735.0	3734.2	2872.6	1949.0	1209.0	695.8	395.1	273.6
60°	5033.2	5049.3	5012.9	5064.7	4899.8	3385.8	2074.8	1126.6	545.5	294.0	209.0
62.5°	6102.9	6009.4	5957.6	5896.5	5533.7	3441.9	1983.1	957.5	396.7	206.4	160.6
65°	6356.1	6246.5	6135.2	6018.8	5471.7	3102.9	1627.1	702.6	256.6	141.9	127.4
67.5°	6106.3	5930.5	5788.6	5668.8	5013.7	2571.8	1189.5	431.6	147.0	114.7	108.7
70°	5458.9	5264.3	5034.9	4900.7	4221.8	1895.5	762.1	232.8	113.0	102.0	99.4
72.5°	3995.8	3836.1	3585.4	3431.6	3031.5	1152.1	425.7	130.9	105.4	97.7	94.3
75°	1556.6	1473.2	1368.8	1377.2	1229.4	509.8	192.8	113.0	102.8	96.0	92.7
77.5°	267.6	260.8	241.3	241.3	274.4	186.0	128.3	113.9	102.0	94.3	88.4
80°	160.6	157.2	149.5	147.8	142.7	130.9	123.2	115.5	100.3	89.2	81.6
82.5°	105.4	101.1	98.5	97.7	106.2	114.7	115.5	114.7	95.2	77.3	66.2
85°	45.0	45.0	45.0	45.9	61.2	92.7	95.2	102.0	78.1	60.3	47.5
87.5°	7.6	9.3	9.3	10.2	11.1	20.4	25.5	33.1	26.3	25.5	23.0
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):

	165°	175°	180°
0°	780.8	780.8	780.8
2.5°	759.5	757.9	757.9
5°	757.0	755.4	756.2
7.5°	767.3	763.8	764.7
10°	785.9	782.5	780.8
12.5°	809.7	805.5	805.5
15°	834.3	824.1	823.3
17.5°	854.7	842.0	840.3
20°	877.7	860.7	858.1
22.5°	898.9	876.0	872.6
25°	914.2	886.1	882.0
27.5°	921.0	887.9	884.5
30°	926.1	888.7	883.6
32.5°	921.0	881.0	876.8
35°	892.9	849.7	847.1
37.5°	844.6	796.1	792.7
40°	780.8	729.9	721.3
42.5°	699.3	651.6	642.3
45°	620.2	565.9	561.6
47.5°	535.3	483.4	486.0
50°	446.0	399.4	398.5
52.5°	361.1	320.3	317.8
55°	284.7	255.7	253.2
57.5°	225.1	209.9	207.4
60°	183.5	175.9	173.3
62.5°	147.8	145.3	144.5
65°	123.2	123.2	123.2
67.5°	107.1	107.9	107.9
70°	98.5	99.4	98.5
72.5°	95.2	97.7	97.7
75°	92.7	94.3	90.9
77.5°	90.9	91.7	85.8
80°	90.0	89.2	78.1
82.5°	78.1	75.6	66.2
85°	71.3	54.4	45.9
87.5°	36.6	25.5	19.5
90°	0.0	0.0	0.0

(END OF REPORT)