

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: P181302

Luminaire Tested: **ICS-F03-LED-E1-T2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181302
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: ICS-F03-LED-E1-T2-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5764 lumens
Efficiency: N/A
Efficacy: 73.6 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

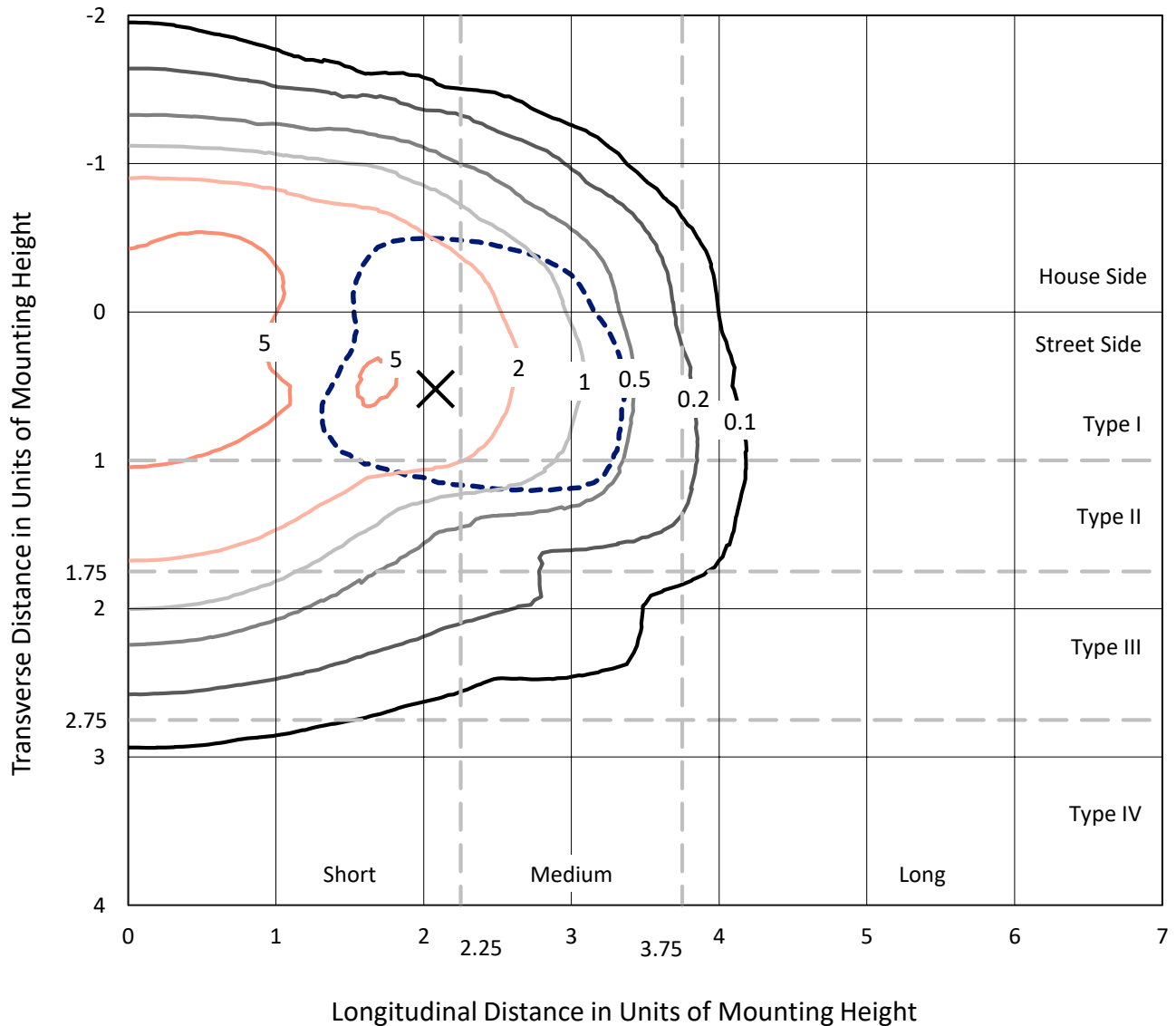
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

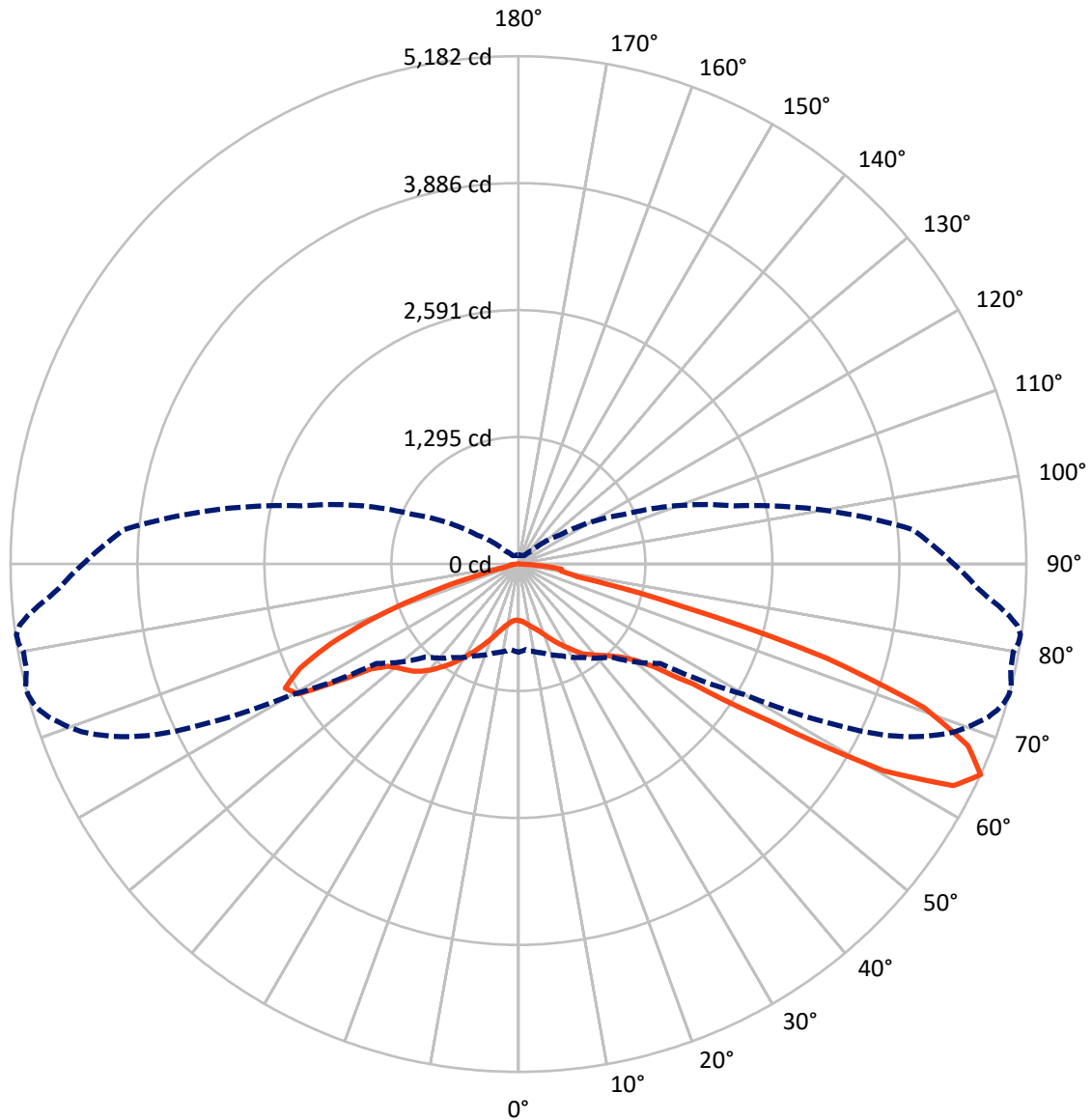
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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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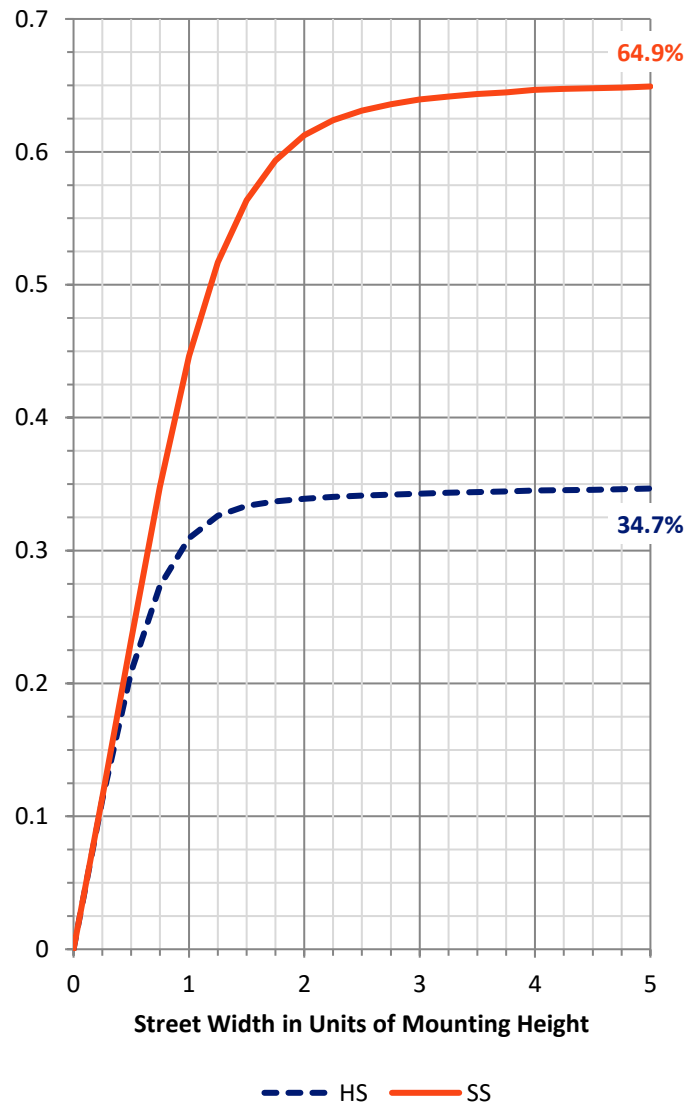
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2018.4	0.0	2018.4
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	3745.6	0.0	3745.6
	% Fixture	65.0	0.0	65.0
Total	Lumens	5764.0	0.0	5764.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	1.0
10°-20°	198.2	3.4
20°-30°	389.4	6.8
30°-40°	647.1	11.2
40°-50°	950.8	16.5
50°-60°	1316.3	22.8
60°-70°	1571.2	27.3
70°-80°	555.6	9.6
80°-90°	77.6	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°	5764.0	100.0
0°-180°	5764.0	100.0



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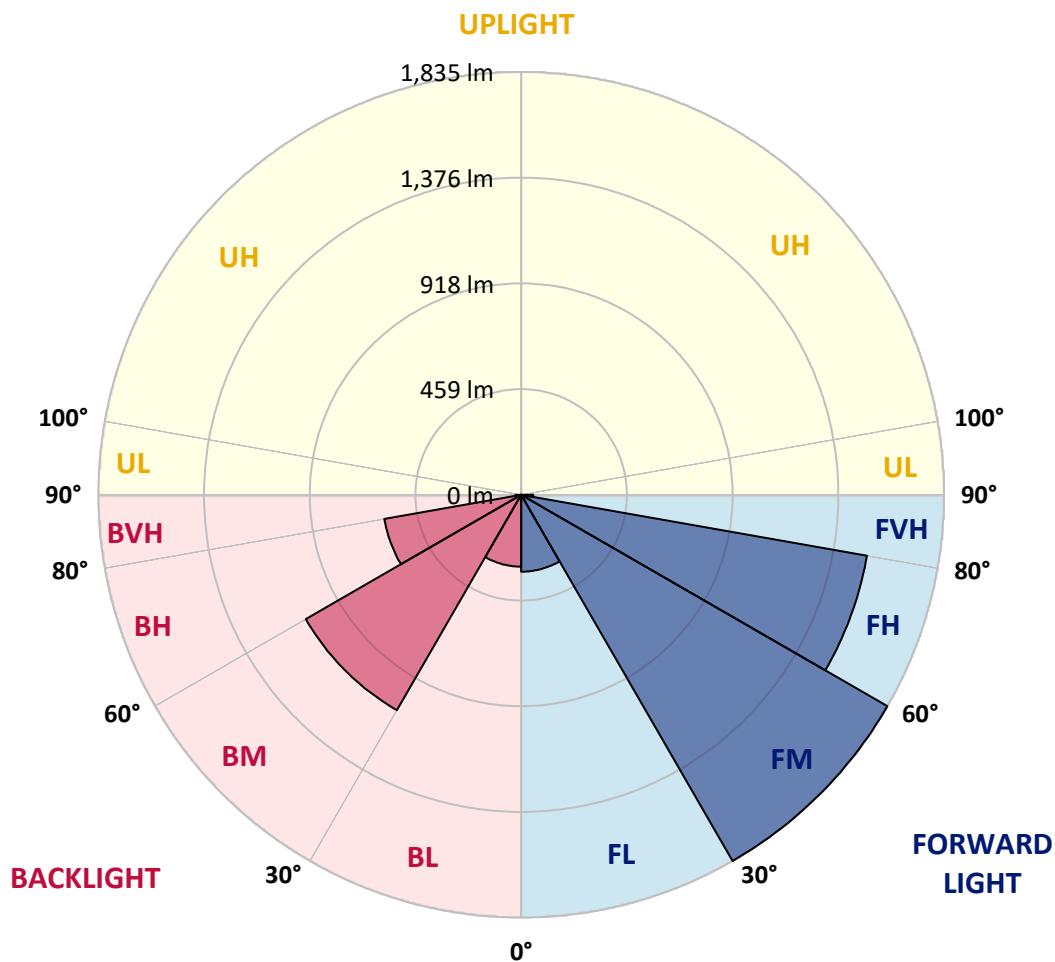
CATALOG NUMBER: ICS-F03-LED-E1-T2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.5	5.8			
FM	(30°-60°)	1835.1	31.8			
FH	(60°-80°)	1523.9	26.4			G1/1800
FVH	(80°-90°)	53.1	0.9			G1/100
BL	(0°-30°)	311.8	5.4	B1/500		
BM	(30°-60°)	1079.1	18.7	B2/2500		
BH	(60°-80°)	602.9	10.5	B2/1000		G2/1000
BVH	(80°-90°)	24.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3
2.5°	601.4	602.0	600.8	600.1	598.2	595.1	592.6	590.1	590.1	590.1	588.2
5°	627.7	629.0	626.5	624.6	618.9	615.8	611.4	608.3	607.0	606.4	604.5
7.5°	661.0	659.1	655.3	654.1	649.7	642.8	634.6	628.4	628.4	627.7	628.4
10°	694.2	689.2	687.3	685.4	678.5	669.7	660.3	653.4	652.8	652.2	650.3
12.5°	727.4	725.6	723.7	716.8	709.9	696.1	685.4	678.5	677.9	678.5	676.0
15°	771.3	766.9	765.1	753.1	738.1	723.0	709.9	703.6	701.7	702.3	700.5
17.5°	805.2	805.2	800.8	787.6	768.2	747.5	733.7	729.9	729.3	729.3	729.9
20°	832.2	831.5	827.1	816.5	793.3	772.6	765.7	764.4	763.8	763.8	765.7
22.5°	847.2	846.0	844.1	832.2	814.0	800.2	800.8	804.6	805.8	807.1	809.6
25°	854.7	852.9	852.2	844.1	830.9	829.0	840.3	850.3	852.9	855.4	858.5
27.5°	867.3	864.1	865.4	862.3	859.1	864.8	888.0	898.6	900.5	903.6	905.5
30°	901.8	900.5	905.5	906.8	909.3	917.4	938.8	948.8	953.2	953.2	962.0
32.5°	967.6	968.2	969.5	982.7	987.0	992.7	1004.0	1012.1	1012.8	1013.4	1021.5
35°	1056.0	1059.8	1070.5	1081.7	1092.4	1091.8	1084.9	1089.3	1086.1	1089.9	1090.5
37.5°	1167.7	1162.6	1178.3	1204.0	1220.3	1215.9	1185.2	1165.1	1170.8	1168.3	1166.4
40°	1253.6	1259.2	1289.3	1323.2	1335.7	1349.5	1309.4	1274.9	1269.9	1260.5	1254.8
42.5°	1372.1	1372.7	1397.2	1422.3	1458.6	1488.7	1463.0	1413.5	1398.4	1387.1	1362.7
45°	1481.8	1479.9	1500.0	1530.7	1574.0	1617.3	1626.7	1572.8	1567.1	1547.0	1515.1
47.5°	1555.2	1552.7	1566.5	1606.6	1676.9	1747.7	1786.6	1770.3	1759.6	1751.5	1701.3
50°	1604.7	1599.7	1615.4	1658.0	1736.4	1845.5	1947.1	1960.9	1956.5	1956.5	1924.6
52.5°	1641.7	1641.7	1653.0	1687.5	1767.2	1903.2	2085.1	2154.7	2160.3	2166.6	2164.7
55°	1621.0	1624.2	1652.4	1702.6	1786.6	1943.4	2199.2	2351.6	2383.0	2409.3	2439.4
57.5°	1550.2	1560.8	1598.5	1680.6	1791.6	1973.5	2325.9	2627.5	2716.0	2792.5	2911.6
60°	1446.7	1460.5	1515.1	1619.8	1754.6	1924.6	2370.4	2860.8	3001.3	3168.1	3479.1
62.5°	1269.2	1283.0	1336.3	1441.1	1556.5	1737.1	2186.1	2895.3	3119.8	3356.2	3826.5
65°	899.3	877.3	938.8	1032.8	1165.1	1340.1	1766.5	2663.9	2986.9	3307.3	3888.0
67.5°	501.0	499.2	536.8	607.0	733.7	921.8	1217.2	2043.1	2340.3	2703.4	3416.4
70°	345.5	349.3	373.1	449.0	553.7	716.1	867.3	1283.0	1496.9	1743.3	2444.4
72.5°	242.7	250.8	264.0	309.2	416.4	603.3	886.1	766.9	873.5	1041.6	1469.9
75°	142.4	148.0	157.4	179.3	237.0	403.2	917.4	674.1	674.1	713.6	889.2
77.5°	87.8	87.8	93.4	102.2	126.0	197.5	653.4	757.5	736.2	713.6	715.5
80°	45.2	48.3	56.4	60.8	70.2	90.3	293.5	706.7	775.1	820.9	788.9
82.5°	20.7	23.2	34.5	37.0	40.8	47.7	101.0	402.0	538.7	709.2	886.1
85°	10.7	10.7	18.2	22.6	24.5	21.9	37.0	162.4	245.8	375.0	587.0
87.5°	1.9	1.9	3.1	3.8	5.6	5.0	6.3	9.4	15.7	16.9	17.6
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°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3
2.5°	587.6	588.2	587.6	587.0	585.7	585.7	585.7	585.1	585.1	585.1	584.5
5°	604.5	602.0	602.6	601.4	600.8	600.1	600.8	599.5	598.2	598.9	598.2
7.5°	625.8	624.6	622.1	622.1	621.5	620.2	620.2	618.3	617.7	616.4	615.8
10°	649.7	646.5	647.8	646.5	647.2	644.7	643.4	642.1	640.9	640.9	641.5
12.5°	674.1	673.5	671.6	670.4	670.4	668.5	669.1	668.5	666.6	666.0	664.1
15°	699.2	699.2	697.3	698.0	697.3	696.1	694.8	694.8	693.6	692.3	692.9
17.5°	728.7	728.7	728.7	728.7	729.3	727.4	728.1	726.8	725.6	728.1	728.1
20°	766.9	769.4	769.4	768.8	772.0	770.1	769.4	772.6	769.4	773.8	773.2
22.5°	810.8	813.3	813.3	815.9	816.5	818.4	819.6	818.4	820.9	823.4	823.4
25°	859.7	862.3	864.1	867.9	869.8	868.5	869.2	872.3	873.5	876.1	878.6
27.5°	911.2	911.8	914.3	918.7	921.8	923.1	923.7	928.7	929.4	930.6	933.1
30°	961.3	967.6	966.4	972.0	973.9	975.8	979.5	981.4	985.8	988.3	988.3
32.5°	1020.3	1019.0	1024.0	1028.4	1031.6	1034.7	1037.8	1040.4	1042.9	1044.1	1050.4
35°	1093.7	1096.2	1096.2	1096.8	1104.3	1104.9	1107.5	1113.1	1115.0	1118.7	1121.2
37.5°	1166.4	1162.0	1161.4	1161.4	1158.9	1160.8	1161.4	1162.0	1164.5	1165.1	1167.7
40°	1247.9	1242.3	1237.3	1234.1	1229.1	1222.2	1221.0	1217.8	1219.7	1219.1	1219.7
42.5°	1359.5	1343.9	1332.0	1323.2	1313.1	1305.6	1300.0	1291.8	1286.2	1279.3	1278.0
45°	1501.9	1472.4	1452.4	1437.9	1423.5	1402.8	1390.9	1378.4	1367.1	1355.8	1346.4
47.5°	1688.8	1657.4	1625.4	1599.1	1576.5	1543.3	1509.4	1490.6	1468.7	1449.2	1435.4
50°	1908.9	1871.3	1856.2	1819.2	1791.0	1740.8	1698.8	1668.1	1624.2	1594.7	1569.0
52.5°	2134.0	2124.6	2116.4	2085.1	2051.9	2023.0	1986.0	1932.1	1887.6	1853.7	1801.0
55°	2440.7	2445.0	2441.9	2425.0	2413.1	2385.5	2370.4	2323.4	2303.3	2254.4	2199.2
57.5°	2956.8	2991.9	3036.4	3054.0	3077.8	3055.2	3081.6	3113.5	3033.9	3061.5	3011.9
60°	3615.8	3777.0	3872.9	3990.8	4068.0	4175.8	4195.3	4223.5	4215.3	4231.0	4263.0
62.5°	4018.4	4209.7	4393.4	4527.0	4670.0	4749.0	4844.3	4910.8	4979.8	5026.2	5013.0
65°	4137.0	4333.9	4500.7	4646.8	4774.7	4871.3	4959.7	5043.1	5106.4	5151.0	5177.3
67.5°	3701.7	3958.9	4134.4	4305.6	4470.6	4572.2	4646.2	4727.1	4819.9	4897.0	4912.0
70°	2785.6	3171.2	3420.2	3625.2	3819.0	3955.7	4059.2	4134.4	4206.6	4261.7	4321.9
72.5°	1742.1	2079.5	2364.2	2630.0	2835.7	3023.9	3111.0	3277.8	3255.9	3297.9	3343.0
75°	1044.1	1208.4	1365.2	1552.7	1660.6	1817.3	1845.5	1873.1	1858.7	1811.7	1846.8
77.5°	725.6	752.5	751.3	740.6	729.3	701.7	666.0	646.5	633.4	614.6	622.1
80°	729.9	671.6	582.6	489.8	404.5	348.0	325.5	325.5	348.7	381.9	415.1
82.5°	872.3	810.2	722.4	604.5	479.1	390.1	330.5	306.6	311.0	344.9	387.5
85°	588.2	602.0	528.0	482.9	382.5	297.9	249.6	202.6	179.3	185.0	209.5
87.5°	21.3	25.7	9.4	12.5	8.8	7.5	7.5	8.2	5.6	6.9	6.3
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3
2.5°	583.8	583.2	583.2	581.9	581.9	581.3	581.3	580.7	580.1	580.1	579.4
5°	597.6	597.0	595.7	595.1	593.9	593.9	593.2	592.0	592.0	590.7	590.1
7.5°	617.1	615.8	614.6	613.9	613.3	611.4	611.4	610.2	610.2	608.9	608.3
10°	640.3	639.0	637.8	638.4	636.5	635.9	634.6	634.6	632.7	632.1	632.1
12.5°	665.3	664.7	664.7	662.8	662.2	661.6	659.1	659.1	659.1	657.8	658.5
15°	692.3	692.9	691.1	692.9	692.3	690.4	690.4	690.4	687.9	691.1	688.6
17.5°	728.7	730.6	729.3	729.9	728.7	728.7	729.3	728.7	729.9	729.9	733.7
20°	773.8	774.5	777.6	776.3	776.3	775.7	777.0	777.6	780.1	778.9	781.4
22.5°	823.4	826.5	827.1	829.6	829.6	829.0	830.3	832.8	834.0	835.9	835.3
25°	879.8	881.7	884.2	881.1	886.1	886.1	887.3	890.5	891.1	891.1	895.5
27.5°	932.5	937.5	938.1	941.3	939.4	940.6	945.0	946.9	949.4	949.4	950.7
30°	992.1	993.9	995.2	999.0	998.3	999.0	999.6	1002.7	1002.7	1005.9	1009.0
32.5°	1053.5	1054.8	1056.0	1059.8	1061.0	1063.6	1062.3	1064.8	1067.9	1068.6	1070.5
35°	1126.9	1128.1	1129.4	1135.0	1135.7	1140.1	1141.3	1140.1	1145.1	1141.9	1145.1
37.5°	1169.5	1175.2	1176.4	1180.2	1178.9	1182.1	1184.0	1186.5	1187.7	1190.2	1195.2
40°	1221.6	1223.5	1227.2	1229.1	1231.6	1232.2	1234.8	1236.6	1238.5	1244.2	1249.8
42.5°	1274.9	1277.4	1279.3	1281.8	1284.9	1287.4	1289.3	1295.0	1296.2	1300.0	1310.6
45°	1339.5	1338.2	1338.9	1339.5	1340.7	1343.9	1349.5	1355.2	1358.9	1367.7	1376.5
47.5°	1419.7	1411.6	1408.5	1403.4	1404.7	1411.6	1412.8	1422.3	1429.8	1437.9	1448.6
50°	1541.4	1519.5	1506.3	1493.1	1491.9	1495.6	1500.6	1510.7	1519.5	1530.1	1545.2
52.5°	1745.8	1703.8	1677.5	1641.1	1631.1	1629.2	1625.4	1631.1	1633.6	1648.0	1676.2
55°	2159.7	2082.0	2031.8	1975.4	1922.7	1907.0	1876.9	1883.2	1876.9	1885.7	1927.7
57.5°	3023.9	2961.8	2912.9	2840.7	2750.4	2654.5	2630.7	2532.2	2551.7	2608.1	2571.7
60°	4278.7	4256.1	4221.0	4186.5	4063.0	3993.3	3879.8	3867.3	3787.7	3788.3	3736.2
62.5°	4981.0	5009.9	4988.5	4978.5	4971.6	4949.7	4893.2	4825.5	4723.9	4650.5	4542.7
65°	5181.7	5157.2	5134.0	5130.9	5129.0	5164.8	5172.9	5125.3	5033.1	4918.9	4794.8
67.5°	4947.8	4934.0	4935.2	4908.9	4925.2	4987.3	5030.6	5017.4	4932.7	4794.8	4636.7
70°	4390.9	4364.0	4391.6	4426.0	4450.5	4486.2	4529.5	4540.2	4463.0	4321.3	4160.2
72.5°	3287.9	3292.3	3318.6	3328.0	3426.5	3416.4	3455.3	3328.6	3272.8	3138.0	3055.2
75°	1730.2	1701.9	1775.3	1619.8	1555.8	1600.3	1475.6	1355.8	1380.9	1401.6	1252.3
77.5°	611.4	571.9	504.8	477.8	397.6	336.8	275.3	248.3	233.9	226.4	217.0
80°	439.0	451.5	437.7	405.1	344.3	275.9	217.6	171.8	147.4	134.2	125.4
82.5°	444.0	493.5	515.5	506.1	450.9	341.1	225.1	143.6	106.6	89.0	82.8
85°	238.3	260.9	250.8	211.3	190.0	113.5	77.8	52.0	43.9	40.1	37.0
87.5°	9.4	7.5	6.3	6.3	6.9	7.5	6.3	6.9	6.3	6.3	6.3
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3	576.3
2.5°	578.2	578.2	578.2	577.6	576.3	573.2	570.0	567.5	565.6	563.8	561.3
5°	589.5	588.2	588.2	588.2	583.2	578.2	573.8	569.4	565.6	562.5	560.0
7.5°	608.3	607.7	605.1	604.5	600.8	592.6	587.6	580.1	575.7	571.3	570.0
10°	630.9	630.2	629.6	629.0	624.0	615.8	609.5	602.6	596.4	590.1	583.8
12.5°	657.2	656.6	655.9	654.1	652.2	647.8	640.9	633.4	625.8	612.7	605.8
15°	689.8	691.1	689.8	689.2	687.9	688.6	684.2	673.5	661.6	644.7	630.2
17.5°	733.1	731.8	731.2	733.7	733.1	736.2	735.0	721.2	703.0	676.0	650.9
20°	780.7	780.7	783.2	785.1	790.8	798.9	795.2	778.2	745.0	707.4	674.8
22.5°	837.8	839.1	841.6	840.3	849.1	862.3	863.5	839.7	796.4	744.4	698.6
25°	897.4	898.6	896.1	899.9	914.3	933.1	936.9	903.0	846.0	778.2	718.7
27.5°	953.8	955.1	955.1	960.1	973.9	1005.9	1009.6	972.0	896.1	807.7	733.1
30°	1009.0	1014.0	1015.3	1016.5	1037.2	1081.7	1089.9	1035.3	940.0	829.6	743.1
32.5°	1078.6	1080.5	1083.0	1086.1	1110.0	1164.5	1164.5	1089.9	968.2	843.4	745.0
35°	1153.2	1153.9	1159.5	1160.1	1194.0	1248.5	1237.9	1135.0	988.3	840.3	731.2
37.5°	1198.4	1200.9	1206.5	1214.1	1249.8	1326.9	1302.5	1173.9	992.1	819.6	699.8
40°	1254.2	1259.2	1264.9	1272.4	1325.7	1406.6	1357.0	1198.4	976.4	778.9	652.8
42.5°	1314.4	1321.3	1330.1	1343.9	1407.2	1476.8	1398.4	1202.1	940.6	733.1	597.0
45°	1382.1	1394.7	1404.7	1421.0	1492.5	1537.6	1423.5	1180.2	895.5	672.9	537.4
47.5°	1460.5	1470.5	1488.1	1505.7	1577.1	1579.0	1426.0	1137.6	834.0	612.7	474.1
50°	1557.1	1563.4	1589.7	1600.3	1667.4	1622.3	1407.8	1079.9	769.4	544.9	403.8
52.5°	1685.6	1694.4	1728.3	1744.6	1792.2	1681.2	1382.1	1017.1	695.4	469.1	331.7
55°	1939.6	1977.9	2001.7	2029.9	2060.6	1814.8	1370.8	950.1	612.0	381.3	262.8
57.5°	2652.6	2640.1	2692.8	2756.7	2756.1	2120.2	1438.6	892.4	513.6	291.6	201.9
60°	3714.9	3726.8	3699.9	3738.1	3616.5	2499.0	1531.4	831.5	402.6	217.0	154.3
62.5°	4504.4	4435.5	4397.2	4352.0	4084.3	2540.4	1463.6	706.7	292.9	152.4	118.5
65°	4691.3	4610.4	4528.3	4442.3	4038.5	2290.2	1200.9	518.6	189.4	104.7	94.1
67.5°	4506.9	4377.1	4272.4	4184.0	3700.5	1898.2	877.9	318.6	108.5	84.7	80.3
70°	4029.1	3885.5	3716.2	3617.1	3116.0	1399.1	562.5	171.8	83.4	75.3	73.4
72.5°	2949.2	2831.3	2646.3	2532.8	2237.5	850.3	314.2	96.6	77.8	72.1	69.6
75°	1148.8	1087.4	1010.3	1016.5	907.4	376.3	142.4	83.4	75.9	70.9	68.4
77.5°	197.5	192.5	178.1	178.1	202.6	137.3	94.7	84.0	75.3	69.6	65.2
80°	118.5	116.0	110.4	109.1	105.4	96.6	90.9	85.3	74.0	65.8	60.2
82.5°	77.8	74.6	72.7	72.1	78.4	84.7	85.3	84.7	70.2	57.1	48.9
85°	33.2	33.2	33.2	33.9	45.2	68.4	70.2	75.3	57.7	44.5	35.1
87.5°	5.6	6.9	6.9	7.5	8.2	15.1	18.8	24.5	19.4	18.8	16.9
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):

	165°	175°	180°
0°	576.3	576.3	576.3
2.5°	560.6	559.4	559.4
5°	558.7	557.5	558.1
7.5°	566.3	563.8	564.4
10°	580.1	577.6	576.3
12.5°	597.6	594.5	594.5
15°	615.8	608.3	607.7
17.5°	630.9	621.5	620.2
20°	647.8	635.2	633.4
22.5°	663.5	646.5	644.0
25°	674.8	654.1	650.9
27.5°	679.8	655.3	652.8
30°	683.5	655.9	652.2
32.5°	679.8	650.3	647.2
35°	659.1	627.1	625.2
37.5°	623.3	587.6	585.1
40°	576.3	538.7	532.4
42.5°	516.1	481.0	474.1
45°	457.8	417.6	414.5
47.5°	395.1	356.8	358.7
50°	329.2	294.7	294.1
52.5°	266.5	236.4	234.5
55°	210.1	188.8	186.9
57.5°	166.2	154.9	153.0
60°	135.5	129.8	127.9
62.5°	109.1	107.2	106.6
65°	90.9	90.9	90.9
67.5°	79.0	79.6	79.6
70°	72.7	73.4	72.7
72.5°	70.2	72.1	72.1
75°	68.4	69.6	67.1
77.5°	67.1	67.7	63.3
80°	66.5	65.8	57.7
82.5°	57.7	55.8	48.9
85°	52.7	40.1	33.9
87.5°	27.0	18.8	14.4
90°	0.0	0.0	0.0

(END OF REPORT)