

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: P180481

Luminaire Tested: **ICM-F03-LED-E1-SL2-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180481
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-SL2-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5940.3 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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

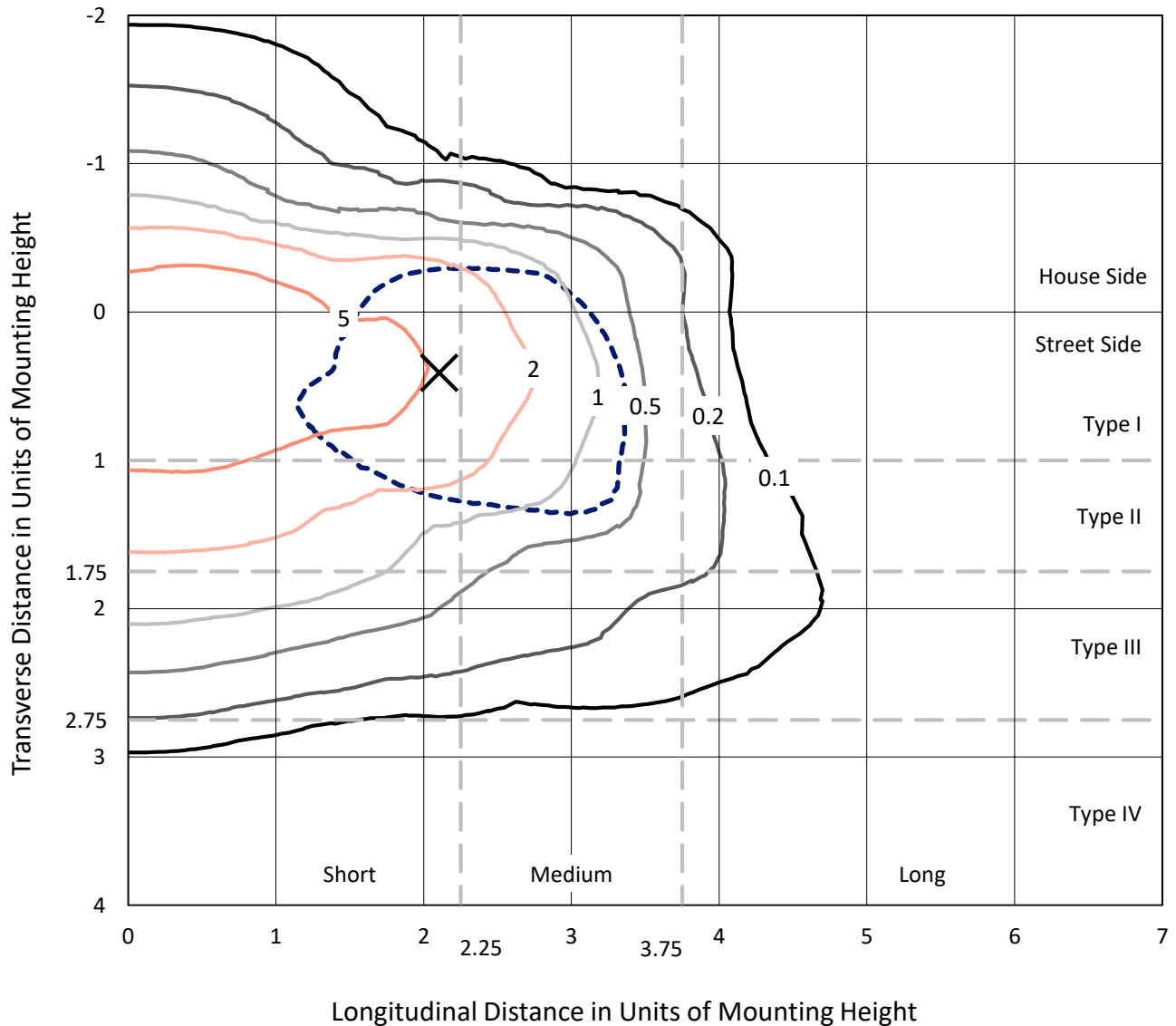


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Iso-Footcandle Lines of Horizontal Illumination

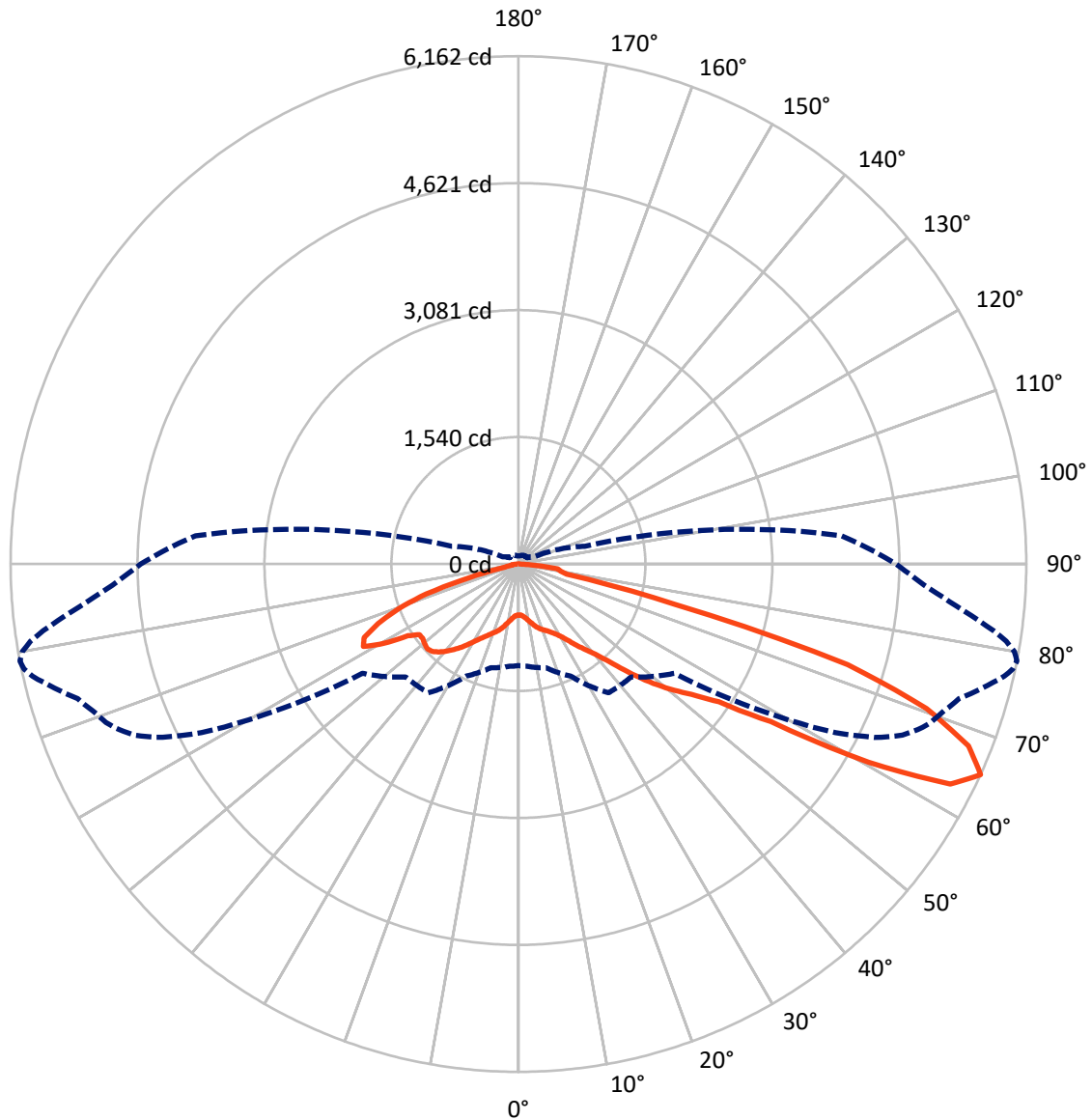
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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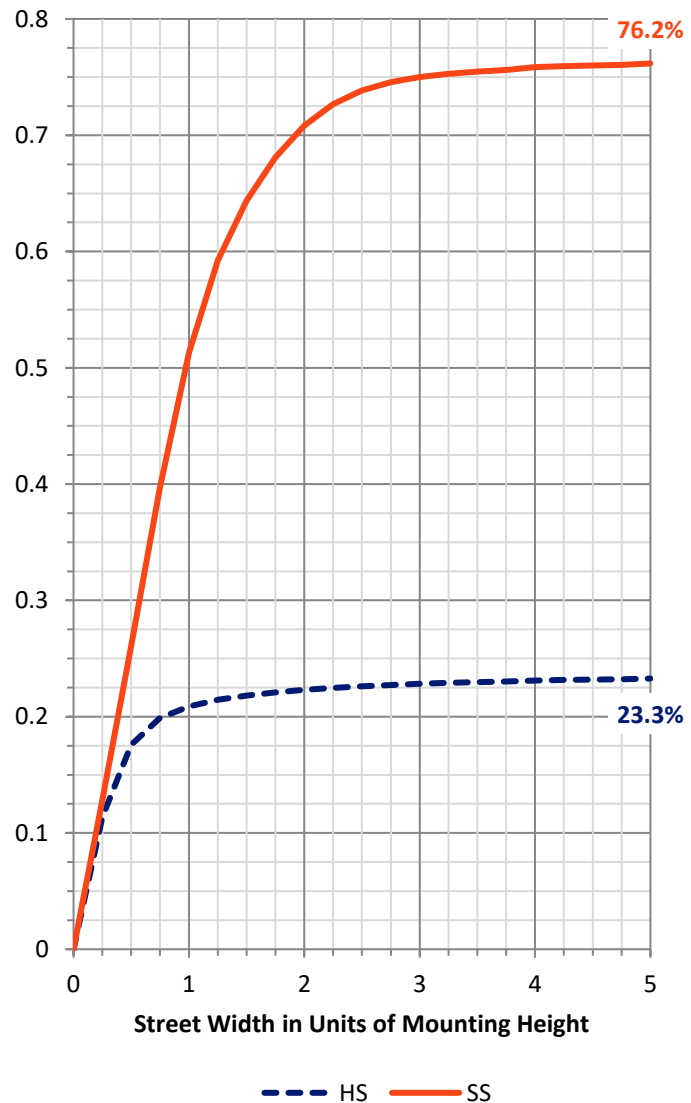
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1404.3	0.0	1404.3
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	4536.0	0.0	4536.0
	% Fixture	76.4	0.0	76.4
Total	Lumens	5940.3	0.0	5940.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.5	1.0
10°-20°	201.0	3.4
20°-30°	347.1	5.8
30°-40°	574.6	9.7
40°-50°	974.5	16.4
50°-60°	1294.8	21.8
60°-70°	1672.6	28.2
70°-80°	701.5	11.8
80°-90°	112.7	1.9
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°	5940.3	100.0
0°-180°	5940.3	100.0



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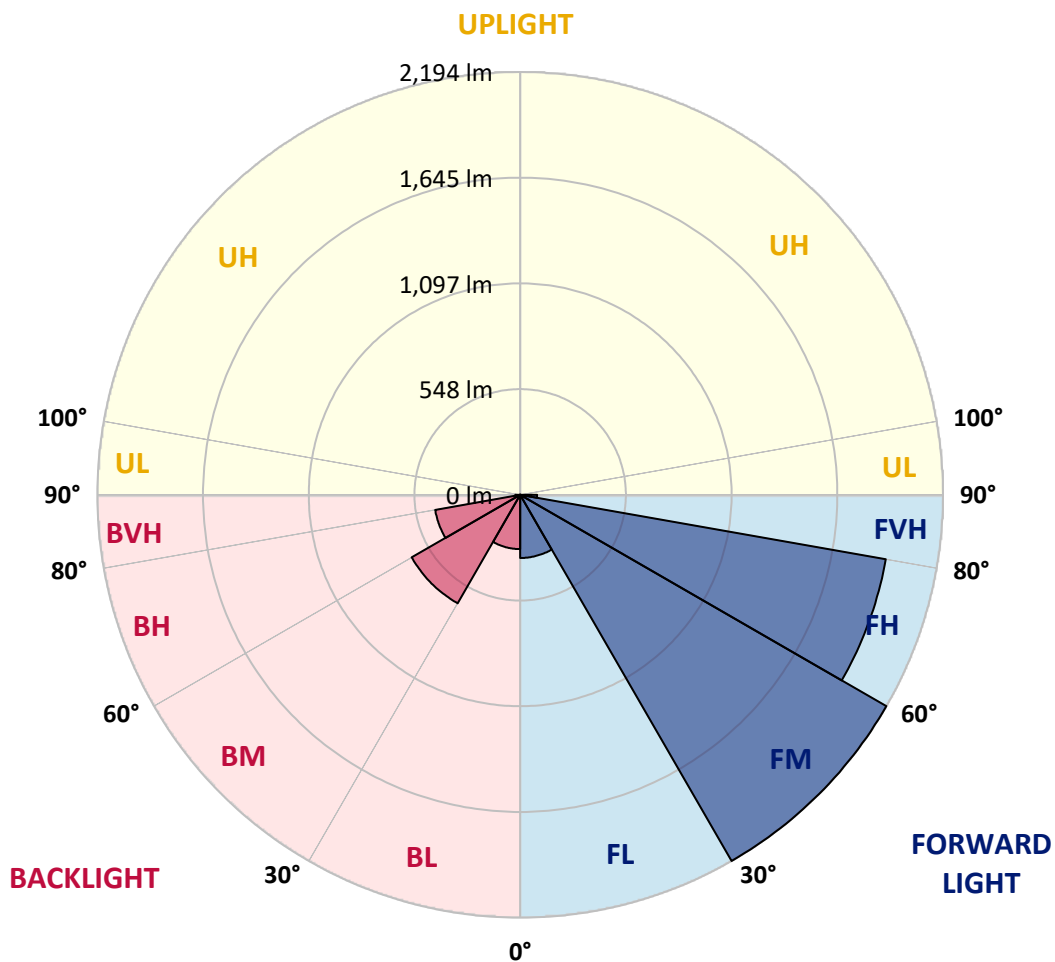
CATALOG NUMBER: ICM-F03-LED-E1-SL2-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.8	5.5			
FM (30°-60°)	2193.9	36.9			
FH (60°-80°)	1926.2	32.4			G2/5000
FVH (80°-90°)	88.1	1.5			G1/100
BL (0°-30°)	281.8	4.7	B1/500		
BM (30°-60°)	650.0	10.9	B1/1000		
BH (60°-80°)	447.9	7.5	B1/500		G1/500
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: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3
2.5°	616.4	618.3	617.0	618.3	619.6	620.3	621.6	620.9	620.9	621.6	620.3
5°	616.4	616.4	618.3	621.6	622.9	626.7	631.3	630.6	631.3	630.6	631.9
7.5°	629.3	628.7	630.6	634.5	635.8	641.7	649.4	650.7	652.0	652.0	654.0
10°	652.0	651.4	653.3	655.3	657.2	661.8	672.7	677.3	678.0	678.6	681.2
12.5°	680.6	679.9	677.3	677.3	676.7	685.0	700.0	708.4	709.7	712.3	714.2
15°	700.7	698.7	694.8	692.2	695.4	709.0	731.1	740.8	742.1	744.1	749.2
17.5°	720.1	718.1	709.7	703.3	707.7	729.8	759.6	770.0	772.6	774.5	780.4
20°	747.3	746.0	733.7	718.1	716.8	745.3	781.7	795.3	797.2	799.8	805.6
22.5°	788.7	783.0	768.7	739.5	725.2	754.4	797.2	816.0	818.6	821.2	828.9
25°	840.7	838.1	813.4	768.7	738.9	763.5	814.1	837.4	841.3	844.5	854.9
27.5°	894.4	890.5	863.9	805.6	762.9	781.7	840.7	867.2	872.4	877.6	887.3
30°	942.4	941.1	919.1	855.5	801.8	816.0	883.4	915.8	921.7	928.1	937.2
32.5°	1055.2	1055.8	1033.1	968.3	895.7	878.2	944.9	993.6	996.2	1003.9	1020.2
35°	1271.0	1273.6	1265.1	1214.0	1132.3	1060.4	1066.8	1114.8	1117.4	1123.8	1139.4
37.5°	1415.5	1420.7	1446.6	1462.8	1421.3	1388.3	1306.0	1287.2	1289.1	1285.2	1282.0
40°	1495.3	1503.0	1571.1	1655.4	1700.7	1701.3	1665.7	1582.7	1551.0	1541.9	1503.0
42.5°	1540.6	1553.6	1650.1	1794.1	1924.3	2013.8	2035.7	1943.7	1920.4	1878.9	1804.4
45°	1570.4	1586.0	1700.0	1897.0	2088.9	2241.2	2355.9	2315.1	2299.5	2274.2	2205.6
47.5°	1565.2	1577.6	1696.2	1932.1	2175.1	2391.6	2595.1	2637.2	2618.4	2611.9	2565.3
50°	1470.6	1481.6	1602.1	1845.2	2127.8	2448.7	2746.8	2866.1	2866.1	2878.3	2864.1
52.5°	1369.5	1378.6	1488.1	1706.5	1974.9	2392.9	2831.0	3028.7	3054.6	3076.0	3109.7
55°	1331.3	1342.2	1425.2	1611.9	1844.6	2233.5	2859.6	3150.5	3198.5	3234.8	3311.3
57.5°	1349.4	1360.4	1419.5	1560.7	1768.1	2070.8	2860.9	3314.5	3407.2	3481.8	3636.7
60°	1427.8	1438.2	1487.5	1608.0	1748.0	1976.8	2805.8	3575.7	3723.5	3863.5	4121.4
62.5°	1391.5	1404.5	1476.5	1686.4	1897.7	1905.5	2606.8	3778.0	4015.8	4222.5	4632.9
65°	1232.8	1246.3	1302.7	1499.1	1906.8	1936.6	2311.9	3781.9	4077.4	4356.8	4799.4
67.5°	935.9	941.1	985.8	1143.3	1525.0	1971.0	2008.6	3334.0	3615.3	3927.0	4383.9
70°	478.3	487.4	500.4	631.3	982.0	1628.8	1726.0	2457.0	2815.5	3137.6	3686.5
72.5°	166.0	169.1	182.1	241.1	478.3	1068.8	1510.8	1683.8	1900.3	2201.7	2837.5
75°	99.8	99.8	104.4	121.9	218.4	556.7	1344.2	1375.4	1404.5	1505.6	1921.7
77.5°	79.1	80.4	80.4	83.6	121.2	285.9	1020.8	1278.8	1282.6	1292.4	1362.3
80°	56.4	59.0	64.2	66.8	78.4	156.8	572.9	1122.5	1199.1	1236.0	1287.2
82.5°	42.1	44.7	54.4	57.7	60.9	87.5	257.3	774.5	913.9	987.7	1167.9
85°	18.8	22.0	36.9	40.8	42.8	46.7	120.6	220.4	253.4	284.6	375.3
87.5°	3.3	3.3	5.9	8.5	12.3	11.6	26.6	37.6	38.2	44.7	49.9
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3
2.5°	620.3	620.3	620.3	619.6	620.3	620.3	620.3	620.3	620.9	620.9	620.9
5°	633.9	632.6	633.2	633.2	633.2	632.6	633.9	633.2	633.9	635.8	635.2
7.5°	654.0	655.3	655.9	656.6	656.6	656.6	657.2	658.5	658.5	660.5	659.8
10°	683.8	683.2	683.8	685.7	687.6	688.3	690.2	689.6	690.9	693.5	696.1
12.5°	715.5	716.8	718.8	720.7	724.0	724.7	726.5	727.2	731.1	731.1	733.7
15°	751.2	751.8	755.7	756.4	760.3	761.6	764.7	766.1	770.6	771.3	773.9
17.5°	783.6	784.8	786.8	788.7	793.3	795.3	797.9	800.5	804.3	805.6	810.1
20°	809.5	812.1	812.7	816.7	820.6	823.2	825.7	828.3	832.2	834.1	838.7
22.5°	832.8	835.4	837.4	840.7	843.3	847.1	848.4	852.9	856.8	860.1	863.9
25°	858.1	862.1	863.9	869.8	871.7	875.6	878.9	883.4	888.6	892.5	897.7
27.5°	893.8	899.6	902.2	908.7	913.2	915.2	920.4	926.8	931.4	935.9	941.1
30°	943.1	954.1	956.0	960.6	968.9	970.2	976.8	982.0	989.0	993.6	998.1
32.5°	1019.5	1033.1	1034.4	1039.6	1046.7	1049.3	1054.5	1060.4	1071.4	1073.3	1080.5
35°	1136.8	1142.6	1147.8	1149.8	1155.6	1158.9	1162.7	1169.2	1180.3	1179.0	1186.7
37.5°	1277.5	1279.4	1280.1	1273.6	1274.9	1269.0	1276.2	1277.5	1281.3	1284.6	1292.4
40°	1478.4	1458.3	1455.7	1440.1	1424.6	1416.2	1412.9	1399.9	1403.2	1404.5	1411.0
42.5°	1772.0	1733.1	1700.7	1678.6	1640.4	1621.6	1596.4	1576.3	1560.7	1566.5	1569.1
45°	2144.0	2088.3	2036.4	1969.0	1919.1	1883.5	1838.7	1798.5	1780.4	1772.0	1782.3
47.5°	2515.4	2466.2	2405.2	2335.8	2256.8	2197.8	2123.3	2057.8	2012.5	1995.5	2004.7
50°	2836.2	2790.8	2744.9	2704.0	2611.9	2547.8	2446.1	2361.1	2289.9	2253.5	2243.8
52.5°	3102.6	3078.6	3054.0	3019.6	2945.8	2881.6	2800.6	2716.9	2622.3	2548.5	2523.2
55°	3340.5	3354.7	3342.4	3343.1	3313.9	3273.0	3204.4	3142.2	3076.0	2992.4	2957.4
57.5°	3687.2	3771.5	3788.3	3830.4	3851.2	3873.2	3892.7	3855.7	3838.9	3776.7	3777.3
60°	4233.6	4356.8	4463.7	4560.9	4640.6	4718.4	4800.0	4836.3	4876.5	4895.3	4959.5
62.5°	4814.9	4932.3	5091.8	5222.0	5295.2	5396.3	5485.1	5542.8	5613.4	5688.6	5786.5
65°	4958.8	5100.1	5200.6	5287.5	5360.0	5413.8	5462.5	5531.1	5590.1	5709.3	5824.8
67.5°	4590.1	4702.8	4794.8	4880.4	4936.8	4982.2	5025.6	5071.0	5172.0	5280.3	5396.3
70°	3940.0	4076.1	4228.4	4339.2	4367.1	4406.0	4447.5	4506.4	4557.0	4670.4	4758.5
72.5°	3165.5	3361.2	3490.2	3643.7	3676.9	3735.8	3759.2	3805.1	3814.3	3875.8	3899.2
75°	2206.2	2430.5	2560.1	2672.9	2694.9	2662.5	2675.5	2512.8	2471.4	2437.6	2410.4
77.5°	1456.4	1516.7	1537.4	1519.2	1432.4	1364.3	1291.7	1220.5	1228.2	1170.5	1069.4
80°	1295.0	1308.6	1289.8	1271.6	1221.7	1150.4	1084.9	1018.2	985.1	950.1	898.3
82.5°	1260.0	1312.5	1318.3	1296.3	1256.8	1179.0	1099.9	1000.8	916.5	838.7	759.6
85°	421.3	512.7	553.5	591.7	603.4	617.0	570.3	506.8	430.3	379.2	296.8
87.5°	53.8	66.8	77.1	66.1	77.1	90.7	65.5	73.2	73.9	46.0	34.3
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°	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3
2.5°	621.6	620.9	620.9	620.9	620.3	620.9	620.9	620.9	620.9	620.9	620.3
5°	635.8	635.8	637.8	638.4	637.1	636.5	637.1	637.8	637.8	637.1	637.8
7.5°	662.4	663.1	664.4	666.2	665.0	665.6	666.2	665.6	667.5	668.2	667.5
10°	696.1	697.4	700.7	701.3	700.7	703.3	703.9	702.6	703.9	703.9	706.4
12.5°	735.0	736.3	740.2	741.5	742.8	743.4	745.3	746.0	747.9	749.2	751.2
15°	777.1	778.4	781.0	785.5	786.8	788.1	789.4	793.3	794.0	796.6	798.5
17.5°	812.7	814.7	818.6	821.9	823.8	827.0	828.3	832.8	834.1	838.1	841.3
20°	841.3	844.5	847.7	851.6	854.9	858.8	860.1	864.6	867.2	869.1	873.0
22.5°	867.2	871.1	875.6	880.2	882.8	887.9	889.9	891.8	897.7	900.3	904.1
25°	900.9	904.7	910.0	915.8	918.4	924.8	926.8	930.1	936.6	939.2	944.9
27.5°	946.9	952.1	956.0	961.9	965.0	969.6	974.1	978.1	983.8	987.7	994.2
30°	1004.6	1008.5	1015.0	1019.5	1024.7	1031.2	1036.4	1040.3	1043.4	1049.3	1056.5
32.5°	1089.5	1090.1	1092.1	1103.1	1108.3	1113.5	1120.7	1123.8	1129.0	1134.9	1142.6
35°	1195.2	1201.0	1205.5	1210.7	1216.6	1222.3	1224.9	1234.7	1239.3	1247.0	1254.8
37.5°	1300.2	1300.8	1311.2	1314.4	1319.6	1325.4	1334.5	1344.2	1355.9	1363.6	1376.0
40°	1412.9	1418.1	1431.1	1437.6	1444.0	1458.3	1465.4	1480.9	1500.4	1511.5	1532.2
42.5°	1576.3	1584.0	1607.4	1617.8	1633.3	1656.7	1671.5	1692.9	1700.7	1727.3	1737.0
45°	1790.2	1814.2	1847.8	1869.9	1897.7	1923.0	1935.9	1945.7	1957.3	1978.1	1975.5
47.5°	2021.5	2052.7	2090.2	2135.5	2153.8	2183.5	2200.4	2219.2	2208.9	2203.6	2198.4
50°	2258.7	2295.0	2344.9	2385.8	2413.6	2431.8	2446.1	2443.5	2421.4	2409.8	2377.3
52.5°	2522.5	2543.9	2591.2	2626.2	2643.1	2647.0	2643.7	2624.3	2603.6	2566.6	2528.4
55°	2927.0	2917.2	2936.0	2952.2	2947.1	2965.2	2918.5	2900.4	2849.1	2801.2	2750.0
57.5°	3748.8	3761.8	3656.8	3609.4	3601.0	3617.9	3535.6	3525.1	3401.4	3385.8	3299.6
60°	4950.4	5013.9	4931.7	4885.6	4761.1	4720.3	4628.3	4590.1	4471.5	4375.6	4254.4
62.5°	5853.9	5911.6	5946.0	5880.5	5807.8	5701.0	5561.6	5407.4	5281.6	5134.5	5006.2
65°	5935.6	6052.2	6131.3	6161.8	6110.5	5993.2	5821.5	5627.1	5434.5	5249.9	5087.8
67.5°	5553.8	5658.2	5780.7	5890.2	5896.7	5820.2	5673.7	5476.0	5253.7	5025.6	4835.7
70°	4897.9	5028.9	5135.8	5251.2	5331.5	5287.5	5214.2	5032.8	4802.0	4624.4	4406.0
72.5°	3983.4	4038.5	4064.4	4177.9	4179.2	4098.8	4046.9	3946.4	3760.5	3634.7	3468.1
75°	2326.2	2204.9	2075.9	1963.8	1872.5	1834.2	1664.4	1635.9	1521.8	1451.2	1347.5
77.5°	959.3	851.0	711.6	595.6	480.9	429.0	353.9	320.8	278.0	259.3	247.0
80°	822.5	720.1	615.1	514.6	425.2	335.7	261.2	202.9	159.4	135.4	125.8
82.5°	671.4	609.9	536.7	482.2	412.2	345.5	291.6	226.2	169.1	124.5	95.3
85°	242.4	199.0	160.1	147.2	117.3	96.6	81.0	69.4	57.0	45.4	40.2
87.5°	27.3	26.0	14.9	14.2	16.2	11.6	13.6	12.3	10.3	9.1	9.8
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3	618.3
2.5°	620.3	620.3	620.9	620.9	621.6	622.2	623.5	622.9	622.9	623.5	623.5
5°	637.8	639.7	639.1	639.1	639.1	639.7	640.4	637.8	635.2	632.6	631.3
7.5°	668.2	669.5	670.8	669.5	670.8	670.1	668.8	661.8	653.3	643.0	635.8
10°	707.7	707.7	709.0	708.4	711.0	709.0	705.1	688.9	670.8	648.7	632.6
12.5°	750.5	755.1	753.1	753.8	759.0	753.8	744.7	720.7	688.3	652.7	624.2
15°	801.1	803.1	804.3	802.4	805.6	801.1	784.8	746.6	699.4	649.4	607.3
17.5°	842.6	843.3	843.8	845.1	849.7	844.5	816.7	764.7	702.0	634.5	578.8
20°	875.0	878.2	880.8	880.8	887.3	879.5	842.6	773.9	693.5	609.9	542.5
22.5°	908.7	911.3	914.5	915.2	923.5	915.8	863.9	771.9	671.4	574.9	500.4
25°	950.1	952.8	955.4	958.6	970.2	959.3	885.3	764.2	641.0	533.4	455.0
27.5°	998.1	1003.9	1005.9	1011.1	1024.7	1007.8	903.4	752.5	607.3	485.5	407.0
30°	1062.2	1069.4	1072.0	1079.2	1098.0	1061.0	913.9	732.4	564.6	436.8	355.8
32.5°	1148.5	1158.2	1166.0	1173.8	1195.2	1114.1	915.2	703.3	514.6	382.4	306.6
35°	1261.2	1276.2	1282.0	1287.2	1307.3	1171.8	909.3	659.8	453.7	326.7	267.7
37.5°	1387.6	1402.5	1406.4	1409.0	1412.9	1221.0	895.1	593.7	385.0	278.0	236.6
40°	1543.2	1556.2	1561.3	1557.5	1536.8	1259.4	863.4	516.6	318.2	245.0	217.1
42.5°	1733.1	1752.6	1754.5	1737.0	1668.3	1280.7	799.8	425.9	265.8	221.0	202.2
45°	1968.4	1967.1	1956.0	1943.7	1811.5	1272.3	711.0	346.8	232.7	202.2	188.7
47.5°	2179.6	2157.6	2140.8	2104.5	1937.9	1223.0	596.3	287.2	212.6	188.0	176.9
50°	2352.8	2312.6	2276.9	2237.3	2031.9	1135.5	482.2	243.7	193.8	175.6	166.0
52.5°	2489.5	2440.9	2399.4	2360.5	2122.6	1038.3	395.4	211.9	175.6	163.3	153.6
55°	2703.4	2654.7	2588.7	2545.9	2261.3	948.8	339.0	186.7	158.1	150.3	140.7
57.5°	3244.6	3201.8	3122.7	3011.8	2617.8	915.2	307.3	167.3	143.9	139.3	131.5
60°	4189.5	4120.1	4017.1	3904.3	3342.4	937.9	282.0	153.6	134.1	130.2	124.5
62.5°	4902.4	4780.6	4663.9	4559.6	3921.8	937.2	248.8	143.3	127.1	125.1	119.3
65°	4931.7	4807.8	4690.5	4581.0	3934.8	834.1	210.0	134.1	125.8	125.1	115.3
67.5°	4669.8	4535.7	4422.2	4284.1	3642.5	652.0	168.6	128.4	130.9	129.6	114.0
70°	4242.0	4067.0	3973.7	3837.6	3205.7	456.3	138.7	130.2	142.0	138.0	116.0
72.5°	3329.4	3197.2	3055.3	2960.7	2509.6	288.4	116.7	131.5	146.5	140.0	121.2
75°	1239.3	1274.9	1216.6	1195.8	1274.9	169.1	103.7	122.5	130.9	121.2	110.1
77.5°	250.1	239.2	226.9	224.3	289.7	104.4	95.3	106.3	100.5	88.8	89.4
80°	119.9	116.7	112.7	112.1	107.6	86.9	88.2	90.7	75.8	68.7	73.2
82.5°	79.7	75.2	73.9	71.3	72.6	77.8	83.6	77.8	58.3	54.4	66.1
85°	36.9	35.6	35.0	35.0	38.9	70.0	69.4	57.0	40.2	38.9	66.1
87.5°	9.1	9.1	9.8	9.1	10.3	20.7	18.1	17.5	14.9	16.8	31.1
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°	618.3	618.3	618.3
2.5°	622.9	623.5	622.9
5°	628.7	628.7	628.7
7.5°	628.7	626.7	626.1
10°	619.6	613.8	613.8
12.5°	604.1	594.3	593.0
15°	574.9	562.0	560.0
17.5°	538.0	520.5	517.2
20°	496.5	474.4	470.5
22.5°	451.1	425.9	423.9
25°	406.4	380.5	375.3
27.5°	356.5	331.2	328.6
30°	306.6	284.6	283.3
32.5°	264.5	250.8	248.2
35°	234.6	226.9	223.6
37.5°	215.2	209.3	208.7
40°	200.3	195.1	194.4
42.5°	188.0	183.4	182.8
45°	175.6	171.7	170.4
47.5°	163.3	159.4	158.8
50°	152.3	147.2	146.5
52.5°	142.0	136.7	135.4
55°	132.2	127.1	127.1
57.5°	123.8	118.6	118.0
60°	116.0	110.8	110.1
62.5°	110.1	103.7	103.1
65°	105.7	99.2	97.9
67.5°	103.1	95.3	93.3
70°	107.6	93.3	90.0
72.5°	108.3	91.3	86.9
75°	104.4	86.2	83.0
77.5°	91.3	77.1	73.9
80°	79.1	59.6	55.1
82.5°	75.2	48.7	42.1
85°	58.3	31.7	29.8
87.5°	33.0	17.5	14.2
90°	0.0	0.0	0.0

(END OF REPORT)