

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: P181249

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181249
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-F03-LED-E1-T2-8030
Description: ICON SITE MEDIUM 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: 5957.3 lumens
Efficiency: N/A
Efficacy: 76.1 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 (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

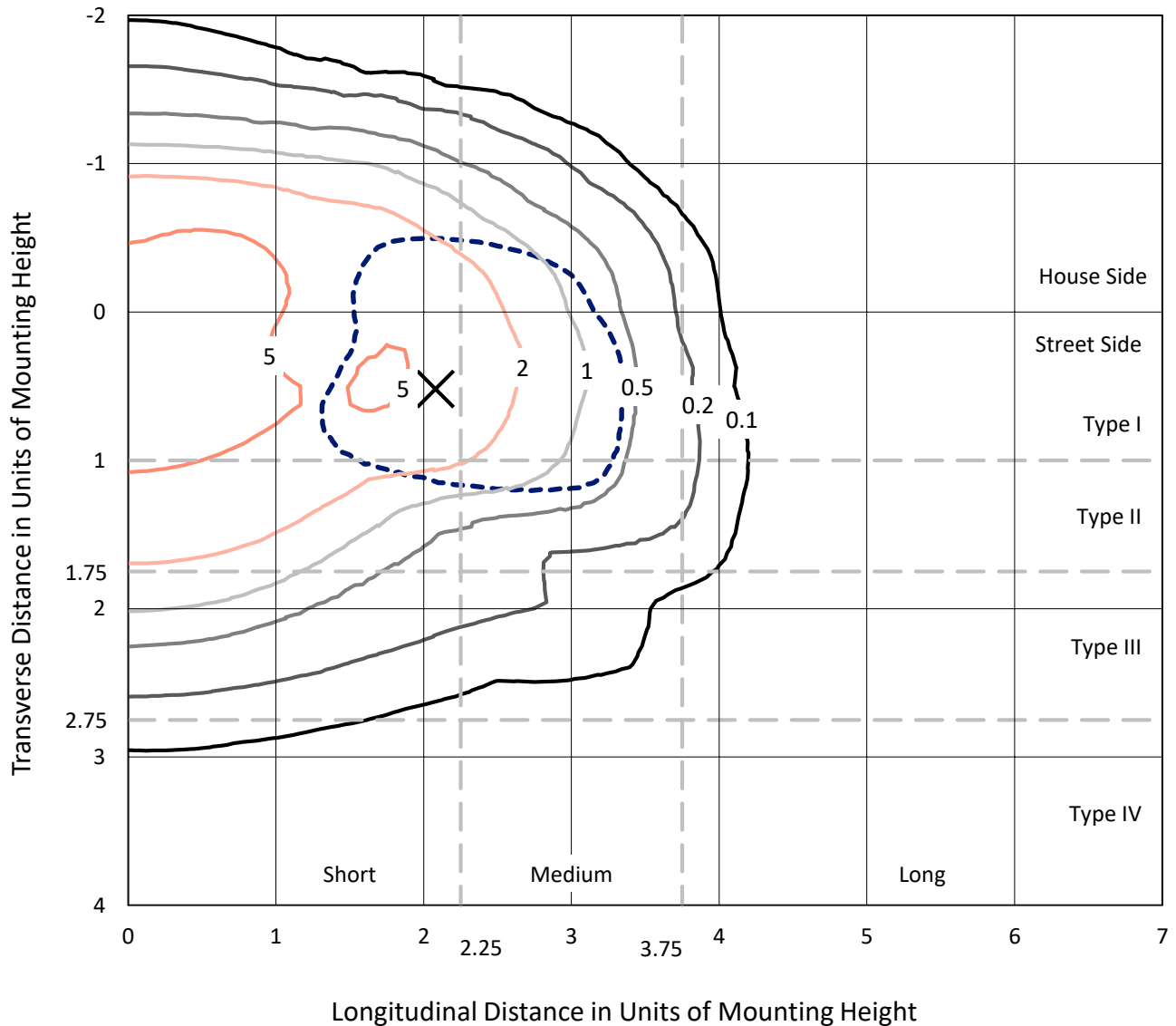


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

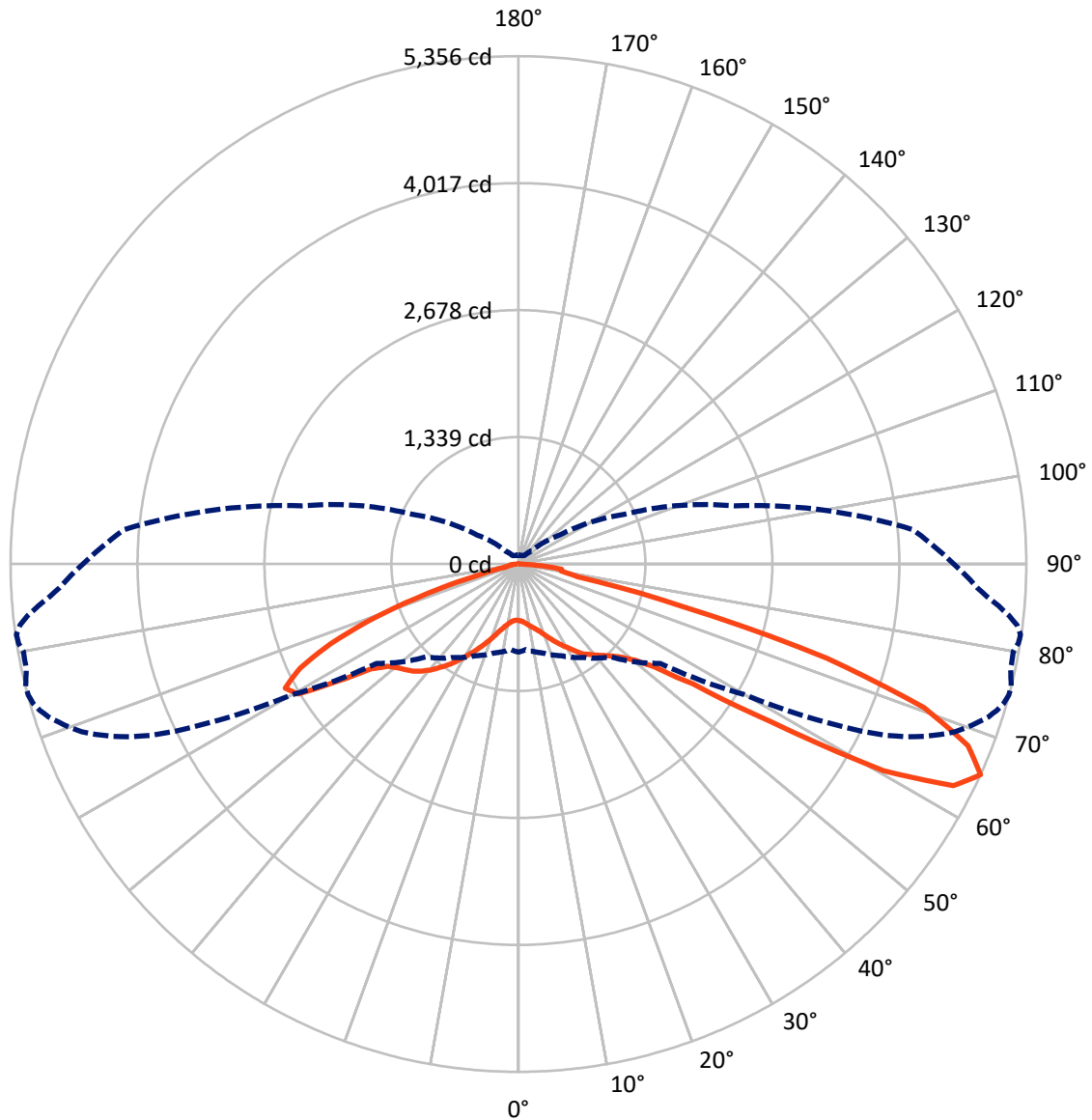


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - Semi-Cutoff

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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	2086.1	0.0	2086.1
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	3871.2	0.0	3871.2
	% Fixture	65.0	0.0	65.0
Total	Lumens	5957.3	0.0	5957.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.0
10°-20°	204.9	3.4
20°-30°	402.5	6.8
30°-40°	668.8	11.2
40°-50°	982.7	16.5
50°-60°	1360.5	22.8
60°-70°	1623.9	27.3
70°-80°	574.3	9.6
80°-90°	80.2	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°	5957.3	100.0
0°-180°	5957.3	100.0



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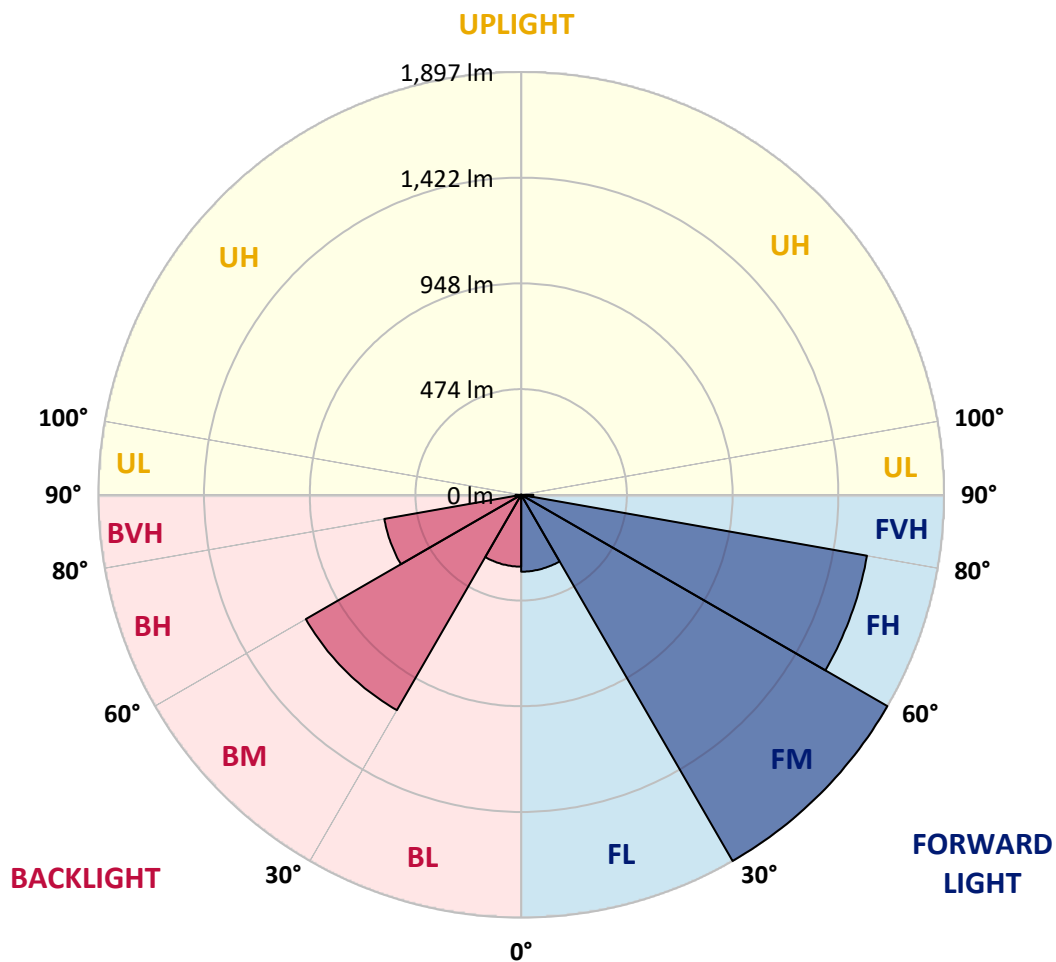
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	344.7	5.8			
FM	(30°-60°)	1896.6	31.8			
FH	(60°-80°)	1575.0	26.4			G1/1800
FVH	(80°-90°)	54.9	0.9			G1/100
BL	(0°-30°)	322.3	5.4	B1/500		
BM	(30°-60°)	1115.3	18.7	B2/2500		
BH	(60°-80°)	623.1	10.5	B2/1000		G2/1000
BVH	(80°-90°)	25.4	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°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	621.6	622.2	620.9	620.3	618.3	615.1	612.5	609.9	609.9	609.9	607.9
5°	648.7	650.1	647.4	645.5	639.7	636.5	631.9	628.7	627.4	626.7	624.8
7.5°	683.2	681.2	677.3	676.0	671.4	664.4	655.9	649.4	649.4	648.7	649.4
10°	717.5	712.3	710.3	708.4	701.3	692.2	682.5	675.4	674.7	674.1	672.1
12.5°	751.8	749.9	747.9	740.8	733.7	719.4	708.4	701.3	700.7	701.3	698.7
15°	797.2	792.7	790.7	778.4	762.9	747.3	733.7	727.2	725.2	725.9	724.0
17.5°	832.2	832.2	827.6	814.1	794.0	772.6	758.3	754.4	753.8	753.8	754.4
20°	860.1	859.4	854.9	843.8	819.9	798.5	791.4	790.1	789.4	789.4	791.4
22.5°	875.6	874.3	872.4	860.1	841.3	827.0	827.6	831.5	832.8	834.1	836.7
25°	883.4	881.5	880.8	872.4	858.8	856.8	868.5	878.9	881.5	884.0	887.3
27.5°	896.4	893.1	894.4	891.2	887.9	893.8	917.8	928.7	930.7	934.0	935.9
30°	932.0	930.7	935.9	937.2	939.8	948.2	970.2	980.7	985.1	985.1	994.2
32.5°	1000.1	1000.8	1002.1	1015.6	1020.2	1026.0	1037.7	1046.1	1046.7	1047.4	1055.8
35°	1091.4	1095.4	1106.3	1118.1	1129.0	1128.4	1121.3	1125.8	1122.5	1126.4	1127.1
37.5°	1206.8	1201.6	1217.9	1244.4	1261.2	1256.8	1224.9	1204.2	1210.1	1207.4	1205.5
40°	1295.6	1301.4	1332.6	1367.5	1380.5	1394.8	1353.3	1317.7	1312.5	1302.7	1296.9
42.5°	1418.1	1418.8	1444.0	1470.0	1507.5	1538.7	1512.1	1460.8	1445.3	1433.7	1408.4
45°	1531.5	1529.6	1550.3	1582.1	1626.8	1671.5	1681.2	1625.5	1619.6	1598.9	1565.9
47.5°	1607.4	1604.8	1619.0	1660.5	1733.1	1806.3	1846.5	1829.7	1818.6	1810.2	1758.3
50°	1658.5	1653.4	1669.6	1713.7	1794.7	1907.5	2012.5	2026.7	2022.2	2022.2	1989.1
52.5°	1696.8	1696.8	1708.5	1744.1	1826.4	1967.1	2155.0	2227.0	2232.9	2239.3	2237.3
55°	1675.5	1678.6	1707.8	1759.6	1846.5	2008.6	2273.0	2430.5	2462.9	2490.2	2521.2
57.5°	1602.1	1613.2	1652.1	1737.0	1851.7	2039.6	2403.9	2715.6	2807.1	2886.2	3009.2
60°	1495.3	1509.5	1565.9	1674.1	1813.5	1989.1	2450.0	2956.8	3102.0	3274.3	3595.8
62.5°	1311.8	1326.1	1381.1	1489.4	1608.7	1795.4	2259.4	2992.4	3224.5	3468.8	3954.9
65°	929.4	906.7	970.2	1067.4	1204.2	1385.0	1825.8	2753.2	3087.1	3418.3	4018.4
67.5°	517.9	515.9	554.8	627.4	758.3	952.8	1258.1	2111.6	2418.8	2794.1	3531.0
70°	357.1	361.0	385.7	464.1	572.3	740.2	896.4	1326.1	1547.1	1801.8	2526.4
72.5°	250.8	259.3	272.8	319.5	430.3	623.5	915.8	792.7	902.9	1076.6	1519.2
75°	147.2	152.9	162.7	185.4	245.0	416.7	948.2	696.7	696.7	737.6	919.1
77.5°	90.7	90.7	96.6	105.7	130.2	204.2	675.4	783.0	760.9	737.6	739.5
80°	46.7	49.9	58.3	62.9	72.6	93.3	303.4	730.4	801.1	848.4	815.4
82.5°	21.4	24.0	35.6	38.2	42.1	49.3	104.4	415.4	556.7	733.0	915.8
85°	11.0	11.0	18.8	23.3	25.3	22.7	38.2	167.9	254.0	387.5	606.6
87.5°	2.0	2.0	3.3	3.9	5.9	5.2	6.5	9.8	16.2	17.5	18.1
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	607.3	607.9	607.3	606.6	605.4	605.4	605.4	604.7	604.7	604.7	604.1
5°	624.8	622.2	622.9	621.6	620.9	620.3	620.9	619.6	618.3	619.0	618.3
7.5°	646.8	645.5	643.0	643.0	642.3	641.0	641.0	639.1	638.4	637.1	636.5
10°	671.4	668.2	669.5	668.2	668.8	666.2	665.0	663.7	662.4	662.4	663.1
12.5°	696.7	696.1	694.1	692.8	692.8	690.9	691.5	690.9	688.9	688.3	686.3
15°	722.7	722.7	720.7	721.4	720.7	719.4	718.1	718.1	716.8	715.5	716.2
17.5°	753.1	753.1	753.1	753.1	753.8	751.8	752.5	751.2	749.9	752.5	752.5
20°	792.7	795.3	795.3	794.6	797.9	795.9	795.3	798.5	795.3	799.8	799.2
22.5°	838.1	840.7	840.7	843.3	843.8	845.8	847.1	845.8	848.4	851.0	851.0
25°	888.6	891.2	893.1	897.0	899.0	897.7	898.3	901.6	902.9	905.4	908.0
27.5°	941.8	942.4	944.9	949.5	952.8	954.1	954.7	959.9	960.6	961.9	964.4
30°	993.6	1000.1	998.8	1004.6	1006.5	1008.5	1012.4	1014.3	1018.9	1021.5	1021.5
32.5°	1054.5	1053.2	1058.4	1062.9	1066.1	1069.4	1072.7	1075.3	1077.9	1079.2	1085.6
35°	1130.3	1132.9	1132.9	1133.6	1141.4	1142.0	1144.6	1150.4	1152.4	1156.3	1158.9
37.5°	1205.5	1201.0	1200.4	1200.4	1197.8	1199.7	1200.4	1201.0	1203.5	1204.2	1206.8
40°	1289.8	1283.9	1278.8	1275.5	1270.3	1263.2	1261.9	1258.7	1260.7	1260.0	1260.7
42.5°	1405.1	1388.9	1376.7	1367.5	1357.2	1349.4	1343.5	1335.2	1329.3	1322.1	1320.8
45°	1552.3	1521.8	1501.0	1486.1	1471.3	1449.9	1437.6	1424.6	1412.9	1401.2	1391.5
47.5°	1745.4	1713.0	1679.9	1652.8	1629.4	1595.1	1560.0	1540.6	1518.0	1497.9	1483.5
50°	1972.9	1934.1	1918.4	1880.2	1851.1	1799.2	1755.8	1724.0	1678.6	1648.2	1621.6
52.5°	2205.6	2195.8	2187.5	2155.0	2120.7	2090.9	2052.7	1996.8	1950.9	1915.9	1861.4
55°	2522.5	2527.1	2523.8	2506.3	2494.0	2465.5	2450.0	2401.3	2380.6	2330.1	2273.0
57.5°	3055.9	3092.2	3138.3	3156.4	3181.0	3157.7	3184.9	3218.0	3135.6	3164.2	3112.9
60°	3737.1	3903.7	4002.8	4124.7	4204.4	4315.9	4336.0	4365.1	4356.8	4373.0	4406.0
62.5°	4153.2	4350.9	4540.8	4678.8	4826.6	4908.3	5006.8	5075.5	5146.8	5194.7	5181.1
65°	4275.7	4479.2	4651.7	4802.6	4934.8	5034.6	5126.1	5212.2	5277.7	5323.8	5350.9
67.5°	3825.9	4091.7	4273.1	4450.1	4620.5	4725.5	4802.0	4885.6	4981.5	5061.2	5076.8
70°	2879.0	3277.6	3534.9	3746.8	3947.1	4088.4	4195.4	4273.1	4347.7	4404.7	4466.9
72.5°	1800.5	2149.2	2443.5	2718.2	2930.8	3125.3	3215.4	3387.7	3365.1	3408.5	3455.2
75°	1079.2	1248.9	1411.0	1604.8	1716.3	1878.2	1907.5	1935.9	1921.0	1872.5	1908.8
77.5°	749.9	777.8	776.5	765.4	753.8	725.2	688.3	668.2	654.6	635.2	643.0
80°	754.4	694.1	602.1	506.2	418.0	359.7	336.4	336.4	360.4	394.7	429.0
82.5°	901.6	837.4	746.6	624.8	495.2	403.2	341.6	316.9	321.5	356.5	400.6
85°	607.9	622.2	545.8	499.1	395.4	307.8	258.0	209.3	185.4	191.2	216.5
87.5°	22.0	26.6	9.8	12.9	9.1	7.8	7.8	8.5	5.9	7.2	6.5
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°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	603.4	602.8	602.8	601.5	601.5	600.8	600.8	600.2	599.5	599.5	598.9
5°	617.7	617.0	615.7	615.1	613.8	613.8	613.1	611.8	611.8	610.5	609.9
7.5°	637.8	636.5	635.2	634.5	633.9	631.9	631.9	630.6	630.6	629.3	628.7
10°	661.8	660.5	659.2	659.8	657.9	657.2	655.9	655.9	654.0	653.3	653.3
12.5°	687.6	687.0	687.0	685.0	684.5	683.8	681.2	681.2	681.2	679.9	680.6
15°	715.5	716.2	714.2	716.2	715.5	713.6	713.6	713.6	711.0	714.2	711.6
17.5°	753.1	755.1	753.8	754.4	753.1	753.1	753.8	753.1	754.4	754.4	758.3
20°	799.8	800.5	803.7	802.4	802.4	801.8	803.1	803.7	806.2	804.9	807.5
22.5°	851.0	854.2	854.9	857.5	857.5	856.8	858.1	860.7	862.1	863.9	863.4
25°	909.3	911.3	913.9	910.6	915.8	915.8	917.1	920.4	921.0	921.0	925.5
27.5°	963.7	968.9	969.6	972.8	970.9	972.2	976.8	978.7	981.3	981.3	982.6
30°	1025.3	1027.3	1028.6	1032.5	1031.8	1032.5	1033.1	1036.4	1036.4	1039.6	1042.8
32.5°	1088.8	1090.1	1091.4	1095.4	1096.7	1099.3	1098.0	1100.6	1103.7	1104.4	1106.3
35°	1164.7	1166.0	1167.3	1173.1	1173.8	1178.3	1179.6	1178.3	1183.4	1180.3	1183.4
37.5°	1208.8	1214.6	1215.9	1219.8	1218.5	1221.7	1223.6	1226.2	1227.5	1230.1	1235.4
40°	1262.5	1264.5	1268.4	1270.3	1272.9	1273.6	1276.2	1278.1	1280.1	1285.9	1291.7
42.5°	1317.7	1320.3	1322.1	1324.8	1328.0	1330.6	1332.6	1338.4	1339.7	1343.5	1354.6
45°	1384.4	1383.1	1383.7	1384.4	1385.7	1388.9	1394.8	1400.6	1404.5	1413.6	1422.6
47.5°	1467.4	1459.0	1455.7	1450.5	1451.8	1459.0	1460.2	1470.0	1477.8	1486.1	1497.2
50°	1593.1	1570.4	1556.8	1543.2	1541.9	1545.8	1551.0	1561.3	1570.4	1581.4	1597.0
52.5°	1804.4	1760.9	1733.8	1696.2	1685.8	1683.8	1679.9	1685.8	1688.4	1703.3	1732.5
55°	2232.2	2151.8	2099.9	2041.6	1987.2	1971.0	1939.8	1946.3	1939.8	1948.9	1992.4
57.5°	3125.3	3061.1	3010.5	2936.0	2842.7	2743.6	2718.9	2617.1	2637.2	2695.6	2658.0
60°	4422.2	4398.8	4362.5	4326.9	4199.2	4127.3	4010.0	3997.0	3914.7	3915.4	3861.6
62.5°	5148.1	5177.9	5155.8	5145.5	5138.4	5115.7	5057.3	4987.4	4882.4	4806.5	4695.1
65°	5355.5	5330.3	5306.3	5303.0	5301.1	5338.0	5346.5	5297.1	5201.9	5083.9	4955.6
67.5°	5113.7	5099.5	5100.8	5073.5	5090.4	5154.5	5199.3	5185.7	5098.2	4955.6	4792.3
70°	4538.2	4510.4	4538.8	4574.5	4599.7	4636.7	4681.4	4692.5	4612.8	4466.3	4299.7
72.5°	3398.2	3402.7	3429.9	3439.6	3541.4	3531.0	3571.2	3440.3	3382.6	3243.3	3157.7
75°	1788.2	1759.0	1834.9	1674.1	1608.0	1654.1	1525.0	1401.2	1427.2	1448.6	1294.3
77.5°	631.9	591.1	521.8	493.9	410.9	348.0	284.6	256.7	241.8	234.0	224.3
80°	453.7	466.6	452.4	418.7	355.8	285.2	224.9	177.6	152.3	138.7	129.6
82.5°	458.9	510.0	532.7	523.1	466.0	352.6	232.7	148.5	110.1	92.0	85.6
85°	246.3	269.6	259.3	218.4	196.4	117.3	80.4	53.8	45.4	41.5	38.2
87.5°	9.8	7.8	6.5	6.5	7.2	7.8	6.5	7.2	6.5	6.5	6.5
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°	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6	595.6
2.5°	597.6	597.6	597.6	596.9	595.6	592.4	589.1	586.5	584.7	582.7	580.1
5°	609.2	607.9	607.9	607.9	602.8	597.6	593.0	588.5	584.7	581.4	578.8
7.5°	628.7	628.0	625.4	624.8	620.9	612.5	607.3	599.5	595.0	590.4	589.1
10°	652.0	651.4	650.7	650.1	644.9	636.5	630.0	622.9	616.4	609.9	603.4
12.5°	679.3	678.6	678.0	676.0	674.1	669.5	662.4	654.6	646.8	633.2	626.1
15°	712.9	714.2	712.9	712.3	711.0	711.6	707.1	696.1	683.8	666.2	651.4
17.5°	757.7	756.4	755.7	758.3	757.7	760.9	759.6	745.3	726.5	698.7	672.7
20°	806.9	806.9	809.5	811.4	817.3	825.7	821.9	804.3	770.0	731.1	697.4
22.5°	865.9	867.2	869.8	868.5	877.6	891.2	892.5	867.8	823.2	769.3	722.1
25°	927.4	928.7	926.1	930.1	944.9	964.4	968.3	933.3	874.3	804.3	742.8
27.5°	985.8	987.1	987.1	992.3	1006.5	1039.6	1043.4	1004.6	926.1	834.8	757.7
30°	1042.8	1048.0	1049.3	1050.6	1072.0	1118.1	1126.4	1070.1	971.5	857.5	768.0
32.5°	1114.8	1116.8	1119.4	1122.5	1147.2	1203.5	1203.5	1126.4	1000.8	871.7	770.0
35°	1191.9	1192.6	1198.4	1199.1	1234.1	1290.4	1279.4	1173.1	1021.5	868.5	755.7
37.5°	1238.6	1241.1	1247.0	1254.8	1291.7	1371.5	1346.1	1213.3	1025.3	847.1	723.4
40°	1296.3	1301.4	1307.3	1315.1	1370.1	1453.8	1402.5	1238.6	1009.1	804.9	674.7
42.5°	1358.5	1365.6	1374.7	1388.9	1454.4	1526.3	1445.3	1242.4	972.2	757.7	617.0
45°	1428.5	1441.4	1451.8	1468.7	1542.5	1589.2	1471.3	1219.8	925.5	695.4	555.4
47.5°	1509.5	1519.8	1538.1	1556.2	1630.1	1632.0	1473.9	1175.7	862.1	633.2	490.0
50°	1609.3	1615.8	1643.0	1654.1	1723.4	1676.8	1455.1	1116.1	795.3	563.3	417.4
52.5°	1742.2	1751.3	1786.2	1803.1	1852.4	1737.6	1428.5	1051.3	718.8	484.8	342.9
55°	2004.7	2044.2	2068.8	2098.0	2129.8	1875.7	1416.8	982.0	632.6	394.0	271.5
57.5°	2741.6	2728.7	2783.1	2849.1	2848.6	2191.4	1486.8	922.3	530.8	301.4	208.7
60°	3839.6	3851.8	3823.9	3863.5	3737.8	2582.8	1582.7	859.4	416.1	224.3	159.4
62.5°	4655.6	4584.2	4544.7	4498.0	4221.2	2625.6	1512.8	730.4	302.7	157.5	122.5
65°	4848.7	4765.1	4680.1	4591.4	4174.0	2367.0	1241.1	536.0	195.7	108.3	97.2
67.5°	4658.1	4523.9	4415.7	4324.3	3824.6	1961.9	907.4	329.2	112.1	87.5	83.0
70°	4164.2	4015.8	3840.9	3738.4	3220.6	1446.0	581.4	177.6	86.2	77.8	75.8
72.5°	3048.1	2926.3	2735.1	2617.8	2312.6	878.9	324.7	99.8	80.4	74.5	71.9
75°	1187.4	1123.8	1044.1	1050.6	937.9	388.8	147.2	86.2	78.4	73.2	70.6
77.5°	204.2	199.0	184.1	184.1	209.3	142.0	97.9	86.9	77.8	71.9	67.4
80°	122.5	119.9	114.0	112.7	108.9	99.8	94.0	88.2	76.5	68.1	62.2
82.5°	80.4	77.1	75.2	74.5	81.0	87.5	88.2	87.5	72.6	59.0	50.5
85°	34.3	34.3	34.3	35.0	46.7	70.6	72.6	77.8	59.6	46.0	36.3
87.5°	5.9	7.2	7.2	7.8	8.5	15.5	19.4	25.3	20.1	19.4	17.5
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):

	165°	175°	180°
0°	595.6	595.6	595.6
2.5°	579.4	578.1	578.1
5°	577.5	576.2	576.8
7.5°	585.3	582.7	583.4
10°	599.5	596.9	595.6
12.5°	617.7	614.4	614.4
15°	636.5	628.7	628.0
17.5°	652.0	642.3	641.0
20°	669.5	656.6	654.6
22.5°	685.7	668.2	665.6
25°	697.4	676.0	672.7
27.5°	702.6	677.3	674.7
30°	706.4	678.0	674.1
32.5°	702.6	672.1	668.8
35°	681.2	648.1	646.1
37.5°	644.3	607.3	604.7
40°	595.6	556.7	550.2
42.5°	533.4	497.1	490.0
45°	473.1	431.6	428.4
47.5°	408.3	368.7	370.7
50°	340.3	304.7	304.0
52.5°	275.4	244.4	242.4
55°	217.1	195.1	193.1
57.5°	171.7	160.1	158.1
60°	140.0	134.1	132.2
62.5°	112.7	110.8	110.1
65°	94.0	94.0	94.0
67.5°	81.7	82.3	82.3
70°	75.2	75.8	75.2
72.5°	72.6	74.5	74.5
75°	70.6	71.9	69.4
77.5°	69.4	70.0	65.5
80°	68.7	68.1	59.6
82.5°	59.6	57.7	50.5
85°	54.4	41.5	35.0
87.5°	27.9	19.4	14.9
90°	0.0	0.0	0.0

(END OF REPORT)