

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: P180482

Luminaire Tested: **ICM-F03-LED-E1-SL2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180482
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-SL2-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6428.5 lumens
Efficiency: N/A
Efficacy: 82.1 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 (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

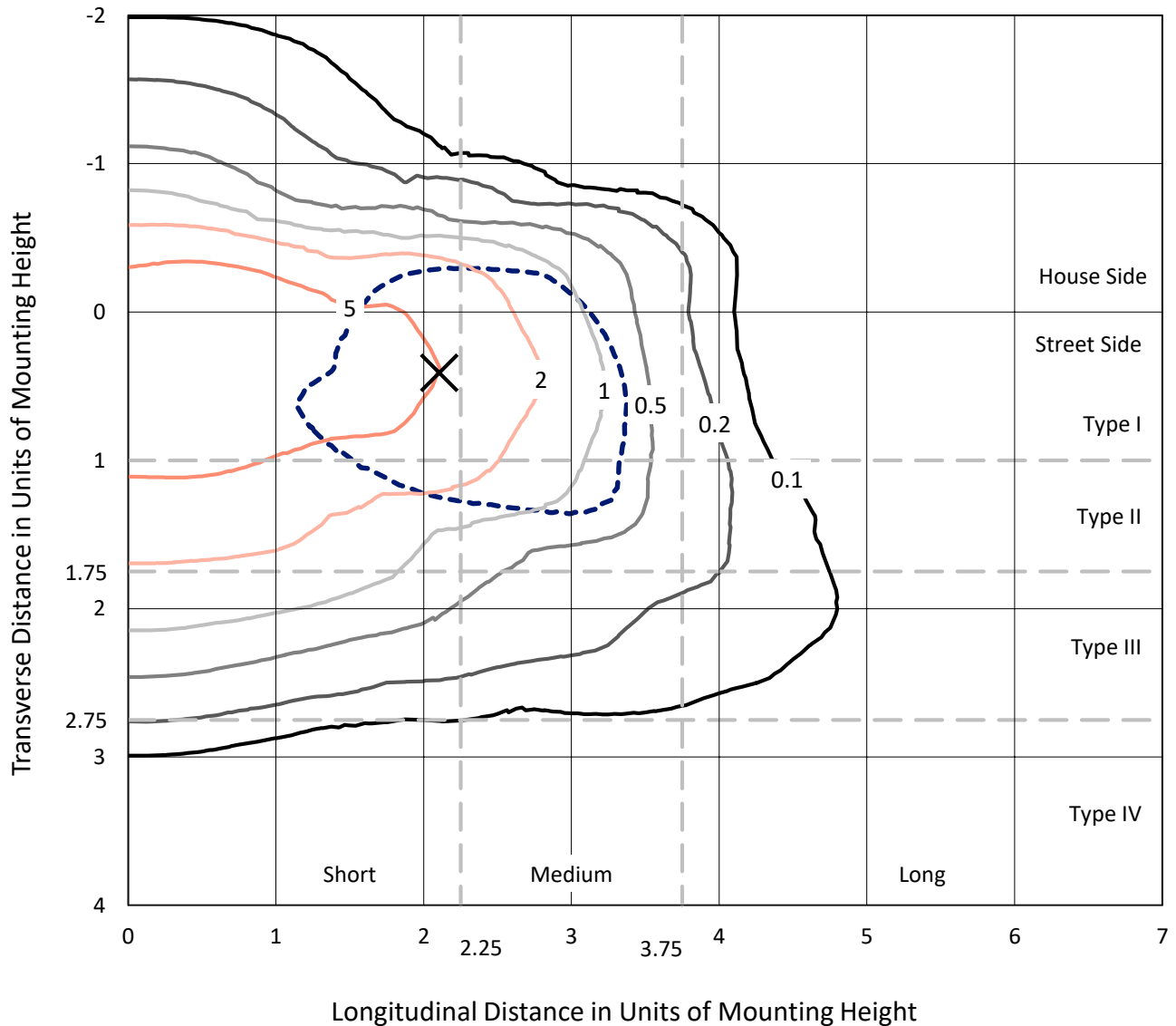


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Iso-Footcandle Lines of Horizontal Illumination

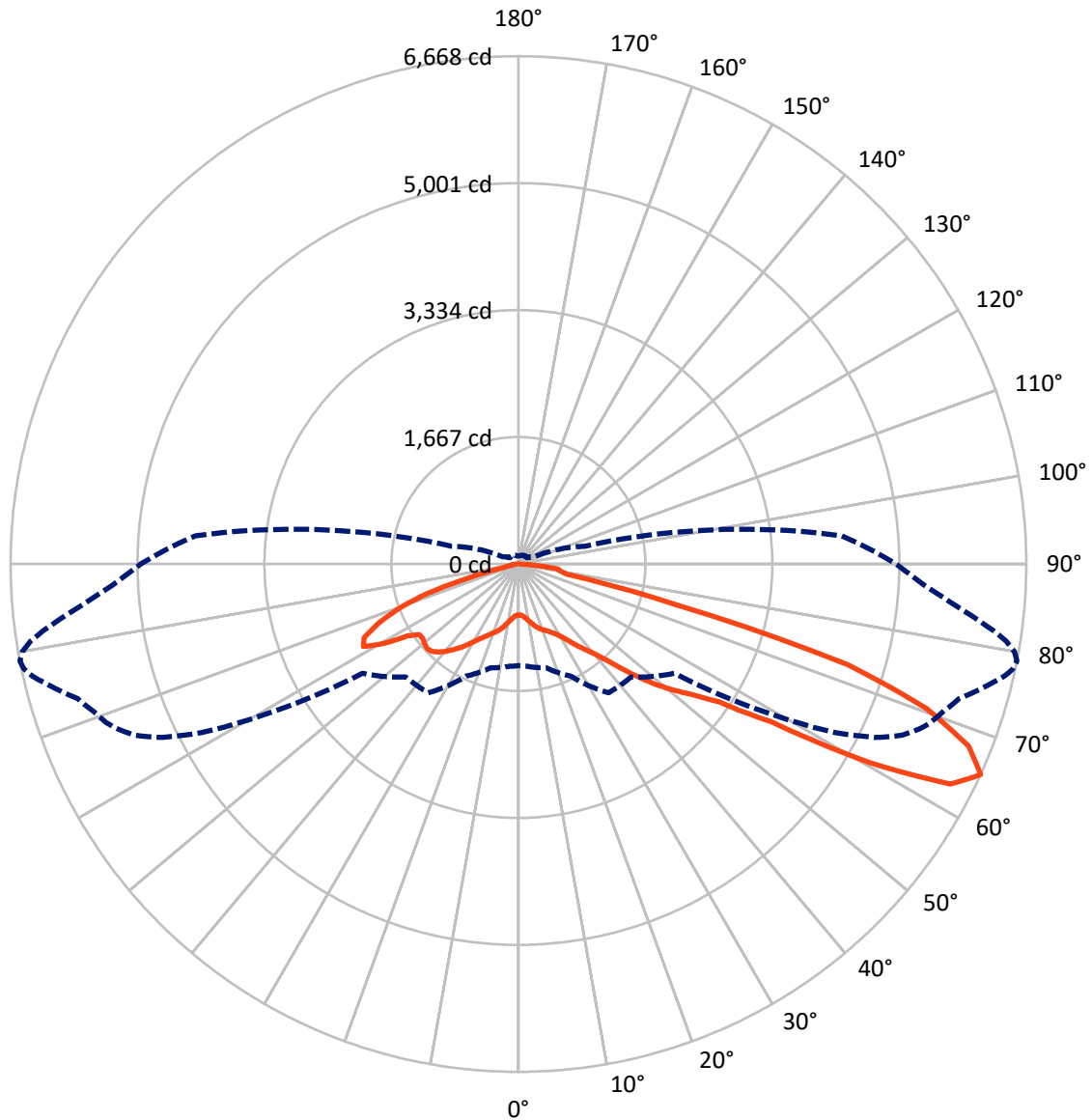
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 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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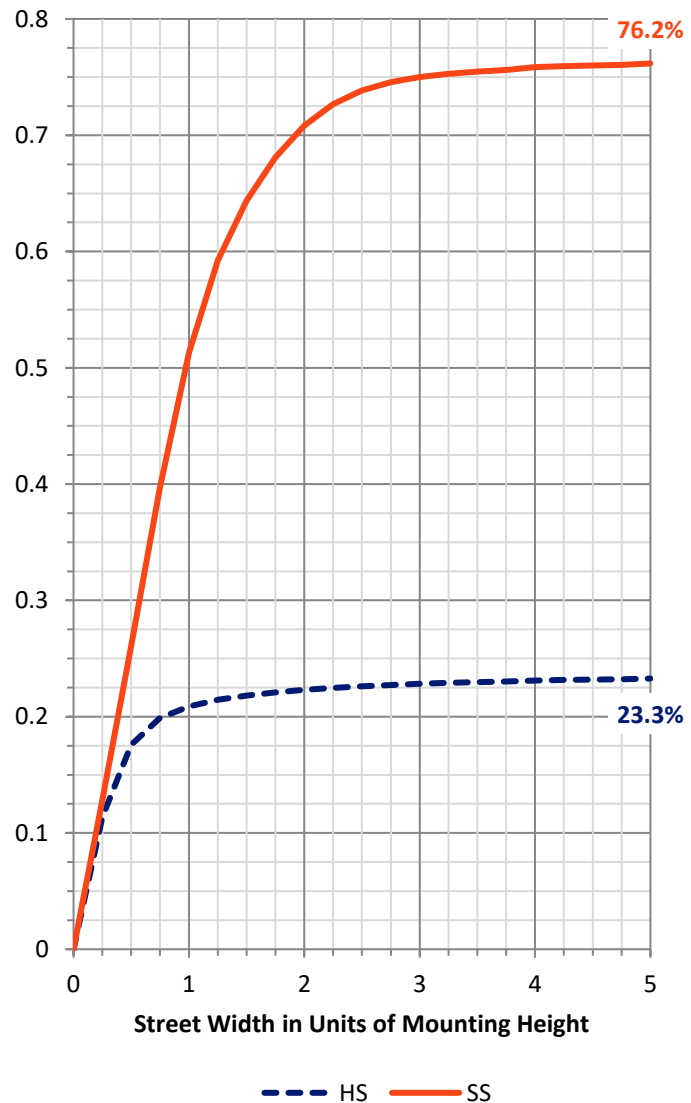
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1519.7	0.0	1519.7
	% Fixture	23.6	0.0	23.6
Street Side	Lumens	4908.8	0.0	4908.8
	% Fixture	76.4	0.0	76.4
Total	Lumens	6428.5	0.0	6428.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	1.0
10°-20°	217.5	3.4
20°-30°	375.7	5.8
30°-40°	621.8	9.7
40°-50°	1054.6	16.4
50°-60°	1401.2	21.8
60°-70°	1810.0	28.2
70°-80°	759.1	11.8
80°-90°	121.9	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°	6428.5	100.0
0°-180°	6428.5	100.0



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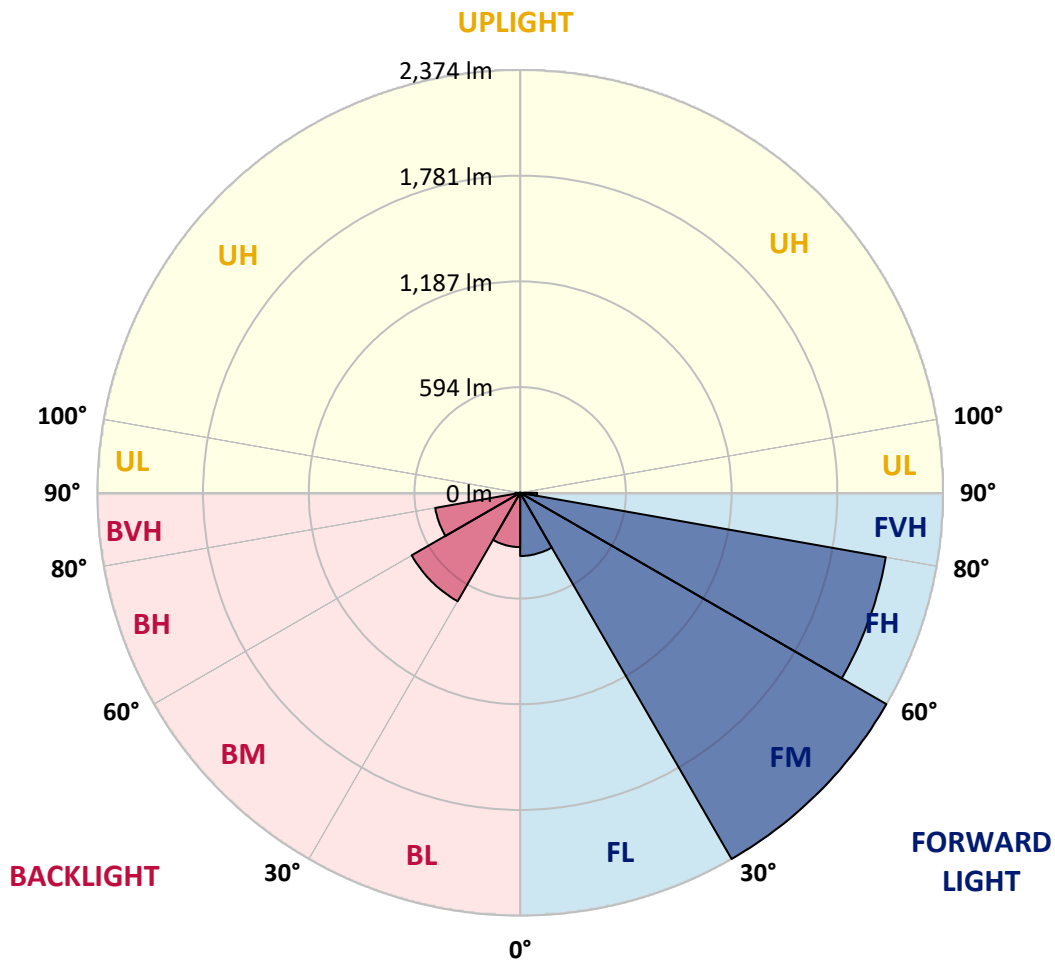
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.7	5.5			
FM	(30°-60°)	2374.2	36.9			
FH	(60°-80°)	2084.5	32.4			G2/5000
FVH	(80°-90°)	95.3	1.5			G1/100
BL	(0°-30°)	305.0	4.7	B1/500		
BM	(30°-60°)	703.4	10.9	B1/1000		
BH	(60°-80°)	484.7	7.5	B1/500		G1/500
BVH	(80°-90°)	26.6	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°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	667.0	669.1	667.7	669.1	670.5	671.3	672.7	671.9	671.9	672.7	671.3
5°	667.0	667.0	669.1	672.7	674.1	678.2	683.2	682.4	683.2	682.4	683.8
7.5°	681.0	680.4	682.4	686.7	688.1	694.4	702.8	704.2	705.6	705.6	707.7
10°	705.6	704.9	707.0	709.1	711.2	716.1	728.0	732.9	733.7	734.3	737.1
12.5°	736.5	735.7	732.9	732.9	732.3	741.4	757.5	766.6	768.0	770.8	772.9
15°	758.2	756.1	751.9	749.1	752.6	767.4	791.2	801.7	803.1	805.2	810.8
17.5°	779.3	777.1	768.0	761.0	766.0	789.8	822.1	833.2	836.1	838.1	844.5
20°	808.7	807.3	794.0	777.1	775.7	806.6	845.9	860.6	862.7	865.5	871.8
22.5°	853.6	847.3	831.8	800.3	784.8	816.4	862.7	883.1	885.9	888.7	897.1
25°	909.7	906.9	880.3	831.8	799.6	826.2	880.9	906.2	910.4	914.0	925.1
27.5°	967.9	963.7	935.0	871.8	825.6	845.9	909.7	938.4	944.1	949.7	960.2
30°	1019.8	1018.4	994.6	925.9	867.6	883.1	956.0	991.1	997.4	1004.4	1014.2
32.5°	1141.9	1142.6	1118.1	1047.9	969.3	950.4	1022.6	1075.3	1078.1	1086.4	1104.0
35°	1375.5	1378.2	1369.1	1313.7	1225.3	1147.4	1154.5	1206.4	1209.2	1216.2	1233.0
37.5°	1531.8	1537.5	1565.5	1583.1	1538.1	1502.4	1413.3	1392.9	1395.1	1390.9	1387.4
40°	1618.1	1626.5	1700.2	1791.4	1840.5	1841.1	1802.6	1712.8	1678.4	1668.7	1626.5
42.5°	1667.2	1681.2	1785.8	1941.5	2082.4	2179.3	2203.1	2103.5	2078.2	2033.3	1952.7
45°	1699.5	1716.3	1839.7	2052.9	2260.6	2425.4	2549.6	2505.4	2488.6	2461.2	2386.8
47.5°	1693.9	1707.2	1835.5	2090.9	2353.9	2588.1	2808.4	2854.0	2833.6	2826.6	2776.1
50°	1591.5	1603.4	1733.9	1996.8	2302.7	2649.9	2972.5	3101.6	3101.6	3114.9	3099.5
52.5°	1482.1	1491.8	1610.4	1846.8	2137.1	2589.5	3063.6	3277.6	3305.7	3328.9	3365.3
55°	1440.7	1452.6	1542.3	1744.4	1996.2	2417.0	3094.5	3409.5	3461.4	3500.7	3583.5
57.5°	1460.3	1472.2	1536.0	1688.9	1913.4	2240.9	3095.9	3586.9	3687.2	3767.9	3935.6
60°	1545.1	1556.4	1609.7	1740.2	1891.6	2139.3	3036.3	3869.6	4029.5	4181.0	4460.1
62.5°	1505.9	1519.9	1597.8	1825.0	2053.7	2062.1	2821.0	4088.4	4345.8	4569.6	5013.5
65°	1334.1	1348.8	1409.8	1622.3	2063.5	2095.7	2501.9	4092.7	4412.5	4714.7	5193.8
67.5°	1012.8	1018.4	1066.8	1237.2	1650.3	2132.9	2173.6	3607.9	3912.4	4249.7	4744.2
70°	517.6	527.4	541.5	683.2	1062.6	1762.6	1867.8	2659.0	3046.8	3395.5	3989.5
72.5°	179.5	183.1	197.1	260.9	517.6	1156.6	1635.0	1822.2	2056.5	2382.6	3070.7
75°	108.0	108.0	112.9	131.9	236.4	602.5	1454.7	1488.4	1519.9	1629.3	2079.6
77.5°	85.6	87.0	87.0	90.5	131.2	309.3	1104.7	1383.8	1388.1	1398.6	1474.3
80°	61.0	63.8	69.4	72.3	84.8	169.8	620.0	1214.8	1297.6	1337.6	1392.9
82.5°	45.6	48.4	58.9	62.4	66.0	94.7	278.4	838.1	988.9	1068.9	1263.9
85°	20.4	23.8	40.0	44.2	46.3	50.5	130.4	238.5	274.2	307.9	406.1
87.5°	3.5	3.5	6.3	9.1	13.3	12.7	28.7	40.7	41.4	48.4	54.0
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	671.3	671.3	671.3	670.5	671.3	671.3	671.3	671.3	671.9	671.9	671.9
5°	686.0	684.6	685.3	685.3	685.3	684.6	686.0	685.3	686.0	688.1	687.4
7.5°	707.7	709.1	709.8	710.5	710.5	710.5	711.2	712.7	712.7	714.7	714.1
10°	740.0	739.3	740.0	742.1	744.2	744.8	747.0	746.2	747.7	750.5	753.3
12.5°	774.3	775.7	777.9	779.9	783.4	784.2	786.2	787.0	791.2	791.2	794.0
15°	812.9	813.6	817.9	818.5	822.7	824.1	827.6	829.0	834.0	834.7	837.5
17.5°	848.0	849.4	851.4	853.6	858.5	860.6	863.4	866.2	870.4	871.8	876.7
20°	876.0	878.9	879.5	883.7	888.0	890.8	893.6	896.4	900.6	902.7	907.6
22.5°	901.3	904.1	906.2	909.7	912.5	916.7	918.1	923.1	927.3	930.7	935.0
25°	928.7	932.8	935.0	941.3	943.4	947.5	951.1	956.0	961.6	965.8	971.4
27.5°	967.3	973.5	976.4	983.4	988.3	990.3	996.0	1003.0	1007.9	1012.8	1018.4
30°	1020.6	1032.5	1034.5	1039.4	1048.6	1050.0	1057.0	1062.6	1070.3	1075.3	1080.1
32.5°	1103.3	1118.1	1119.4	1125.0	1132.8	1135.5	1141.1	1147.4	1159.4	1161.5	1169.2
35°	1230.2	1236.6	1242.1	1244.3	1250.6	1254.1	1258.3	1265.3	1277.2	1275.8	1284.3
37.5°	1382.4	1384.6	1385.2	1378.2	1379.6	1373.3	1381.0	1382.4	1386.6	1390.1	1398.6
40°	1599.9	1578.1	1575.4	1558.5	1541.7	1532.6	1529.0	1515.0	1518.5	1519.9	1526.9
42.5°	1917.6	1875.5	1840.5	1816.6	1775.3	1754.9	1727.5	1705.8	1688.9	1695.3	1698.1
45°	2320.2	2259.9	2203.7	2130.8	2076.8	2038.2	1989.9	1946.3	1926.7	1917.6	1928.8
47.5°	2722.1	2668.8	2602.9	2527.8	2442.2	2378.4	2297.8	2226.9	2177.8	2159.5	2169.4
50°	3069.3	3020.2	2970.4	2926.3	2826.6	2757.1	2647.1	2555.2	2478.1	2438.7	2428.2
52.5°	3357.6	3331.6	3305.0	3267.8	3187.8	3118.4	3030.7	2940.2	2837.9	2757.9	2730.5
55°	3615.0	3630.4	3617.0	3617.8	3586.3	3542.1	3467.6	3400.4	3328.9	3238.3	3200.5
57.5°	3990.3	4081.4	4099.7	4145.2	4167.7	4191.6	4212.6	4172.6	4154.4	4087.0	4087.7
60°	4581.5	4714.7	4830.5	4935.8	5022.0	5106.2	5194.5	5233.8	5277.2	5297.6	5367.1
62.5°	5210.6	5337.6	5510.2	5651.1	5730.4	5839.8	5935.9	5998.4	6074.7	6156.1	6262.1
65°	5366.4	5519.3	5627.9	5722.0	5800.5	5858.7	5911.4	5985.7	6049.5	6178.5	6303.4
67.5°	4967.3	5089.3	5188.9	5281.5	5342.5	5391.6	5438.6	5487.7	5597.2	5714.3	5839.8
70°	4263.7	4411.1	4575.9	4695.8	4726.0	4768.0	4813.0	4876.8	4931.5	5054.3	5149.6
72.5°	3425.6	3637.4	3777.0	3943.3	3979.0	4042.8	4068.1	4117.9	4127.7	4194.4	4219.6
75°	2387.5	2630.2	2770.5	2892.6	2916.4	2881.3	2895.4	2719.3	2674.4	2638.0	2608.5
77.5°	1576.0	1641.2	1663.7	1644.1	1550.1	1476.5	1397.9	1320.8	1329.1	1266.7	1157.3
80°	1401.4	1416.1	1395.7	1376.1	1322.1	1244.9	1174.1	1101.9	1066.1	1028.3	972.1
82.5°	1363.5	1420.3	1426.6	1402.8	1360.0	1275.8	1190.2	1083.0	991.7	907.6	822.1
85°	455.9	554.8	599.0	640.4	653.0	667.7	617.2	548.5	465.8	410.3	321.2
87.5°	58.2	72.3	83.4	71.5	83.4	98.2	70.9	79.3	80.0	49.8	37.2
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°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	672.7	671.9	671.9	671.9	671.3	671.9	671.9	671.9	671.9	671.9	671.3
5°	688.1	688.1	690.1	690.9	689.5	688.7	689.5	690.1	690.1	689.5	690.1
7.5°	716.8	717.5	718.9	721.0	719.6	720.4	721.0	720.4	722.4	723.2	722.4
10°	753.3	754.7	758.2	758.9	758.2	761.0	761.7	760.3	761.7	761.7	764.6
12.5°	795.4	796.7	801.0	802.4	803.8	804.5	806.6	807.3	809.4	810.8	812.9
15°	840.9	842.3	845.2	850.1	851.4	852.9	854.3	858.5	859.2	862.1	864.1
17.5°	879.5	881.7	885.9	889.4	891.4	895.0	896.4	901.3	902.7	906.9	910.4
20°	910.4	914.0	917.4	921.6	925.1	929.3	930.7	935.6	938.4	940.6	944.7
22.5°	938.4	942.7	947.5	952.5	955.3	960.9	963.0	965.1	971.4	974.2	978.4
25°	975.0	979.2	984.8	991.1	993.9	1000.8	1003.0	1006.5	1013.5	1016.3	1022.6
27.5°	1024.8	1030.3	1034.5	1040.8	1044.4	1049.3	1054.2	1058.4	1064.8	1068.9	1075.9
30°	1087.2	1091.4	1098.4	1103.3	1108.9	1115.9	1121.5	1125.8	1129.2	1135.5	1143.3
32.5°	1179.1	1179.7	1181.9	1193.8	1199.4	1205.0	1212.8	1216.2	1221.9	1228.1	1236.6
35°	1293.4	1299.6	1304.6	1310.2	1316.5	1322.8	1325.6	1336.2	1341.0	1349.5	1357.9
37.5°	1407.0	1407.7	1418.9	1422.4	1428.0	1434.3	1444.2	1454.7	1467.4	1475.7	1489.0
40°	1529.0	1534.6	1548.7	1555.7	1562.7	1578.1	1585.9	1602.7	1623.7	1635.6	1658.1
42.5°	1705.8	1714.2	1739.5	1750.7	1767.5	1792.8	1808.8	1832.0	1840.5	1869.2	1879.7
45°	1937.2	1963.2	1999.6	2023.5	2053.7	2081.0	2095.1	2105.6	2118.2	2140.7	2137.9
47.5°	2187.6	2221.3	2262.0	2311.1	2330.7	2363.0	2381.2	2401.6	2390.3	2384.8	2379.1
50°	2444.4	2483.6	2537.6	2581.8	2612.0	2631.6	2647.1	2644.3	2620.4	2607.7	2572.7
52.5°	2729.8	2752.9	2804.2	2842.1	2860.3	2864.5	2860.9	2839.9	2817.5	2777.5	2736.1
55°	3167.5	3156.9	3177.3	3194.8	3189.2	3208.9	3158.3	3138.7	3083.4	3031.5	2976.0
57.5°	4056.9	4070.9	3957.2	3906.1	3897.0	3915.2	3826.1	3814.9	3681.0	3664.1	3570.8
60°	5357.2	5426.0	5336.9	5287.1	5152.4	5108.2	5008.7	4967.3	4838.9	4735.1	4603.9
62.5°	6335.0	6397.4	6434.6	6363.8	6285.2	6169.4	6018.6	5851.8	5715.7	5556.4	5417.5
65°	6423.4	6549.6	6635.2	6668.1	6612.8	6485.8	6299.9	6089.5	5881.2	5681.2	5505.9
67.5°	6010.3	6123.2	6255.8	6374.3	6381.2	6298.6	6140.0	5926.1	5685.5	5438.6	5233.1
70°	5300.4	5442.1	5557.8	5682.7	5769.7	5722.0	5642.7	5446.4	5196.6	5004.4	4768.0
72.5°	4310.7	4370.4	4398.4	4521.1	4522.5	4435.7	4379.5	4270.8	4069.5	3933.4	3753.1
75°	2517.3	2386.2	2246.5	2125.2	2026.3	1984.9	1801.2	1770.3	1646.9	1570.4	1458.2
77.5°	1038.1	920.9	770.1	644.6	520.5	464.3	383.0	347.2	300.9	280.6	267.3
80°	890.1	779.3	665.6	556.9	460.1	363.4	282.7	219.5	172.6	146.6	136.1
82.5°	726.6	660.0	580.7	521.9	446.0	373.9	315.6	244.7	183.1	134.7	103.1
85°	262.3	215.4	173.2	159.3	127.0	104.5	87.6	75.1	61.8	49.1	43.4
87.5°	29.5	28.1	16.1	15.4	17.5	12.7	14.7	13.3	11.3	9.9	10.5
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°	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1	669.1
2.5°	671.3	671.3	671.9	671.9	672.7	673.3	674.7	674.1	674.1	674.7	674.7
5°	690.1	692.3	691.5	691.5	691.5	692.3	692.9	690.1	687.4	684.6	683.2
7.5°	723.2	724.6	726.0	724.6	726.0	725.2	723.8	716.1	707.0	695.8	688.1
10°	766.0	766.0	767.4	766.6	769.4	767.4	763.1	745.6	726.0	702.1	684.6
12.5°	812.2	817.1	815.0	815.7	821.3	815.7	805.9	779.9	744.8	706.3	675.4
15°	866.9	869.0	870.4	868.3	871.8	866.9	849.4	808.0	756.8	702.8	657.2
17.5°	911.8	912.5	913.2	914.6	919.5	914.0	883.7	827.6	759.6	686.7	626.3
20°	946.9	950.4	953.2	953.2	960.2	951.8	911.8	837.5	750.5	660.0	587.1
22.5°	983.4	986.1	989.7	990.3	999.4	991.1	935.0	835.4	726.6	622.1	541.5
25°	1028.3	1031.1	1033.9	1037.4	1050.0	1038.1	958.1	827.0	693.7	577.2	492.4
27.5°	1080.1	1086.4	1088.6	1094.1	1108.9	1090.7	977.8	814.3	657.2	525.3	440.5
30°	1149.6	1157.3	1160.1	1167.8	1188.2	1148.2	988.9	792.6	610.9	472.7	385.0
32.5°	1242.9	1253.4	1261.8	1270.2	1293.4	1205.7	990.3	761.0	556.9	413.9	331.7
35°	1364.9	1381.0	1387.4	1392.9	1414.7	1268.1	984.1	714.1	491.0	353.5	289.7
37.5°	1501.7	1517.8	1522.1	1524.8	1529.0	1321.4	968.7	642.5	416.7	300.9	256.0
40°	1670.1	1684.0	1689.7	1685.4	1663.0	1362.8	934.2	559.0	344.4	265.1	235.0
42.5°	1875.5	1896.6	1898.7	1879.7	1805.4	1386.0	865.5	460.8	287.5	239.2	218.8
45°	2130.2	2128.8	2116.9	2103.5	1960.4	1376.8	769.4	375.3	251.8	218.8	204.1
47.5°	2358.8	2334.9	2316.7	2277.4	2097.1	1323.5	645.3	310.7	230.0	203.4	191.4
50°	2546.1	2502.5	2464.0	2421.2	2198.9	1228.8	521.9	263.7	209.7	190.0	179.5
52.5°	2694.1	2641.4	2596.6	2554.4	2297.0	1123.6	427.8	229.4	190.0	176.7	166.2
55°	2925.5	2872.9	2801.3	2755.1	2447.2	1026.8	366.8	202.0	171.2	162.7	152.2
57.5°	3511.2	3464.9	3379.3	3259.4	2832.9	990.3	332.5	180.9	155.7	150.8	142.4
60°	4533.8	4458.7	4347.3	4225.2	3617.0	1014.9	305.1	166.2	145.2	141.0	134.7
62.5°	5305.3	5173.5	5047.2	4934.3	4244.1	1014.2	269.3	155.0	137.5	135.3	129.0
65°	5336.9	5202.9	5076.0	4957.4	4258.2	902.7	227.3	145.2	136.1	135.3	124.8
67.5°	5053.5	4908.3	4785.6	4636.2	3941.8	705.6	182.3	138.9	141.7	140.3	123.4
70°	4590.6	4401.2	4300.2	4153.0	3469.1	493.8	150.1	141.0	153.6	149.4	125.6
72.5°	3603.1	3459.9	3306.3	3203.9	2715.8	312.1	126.2	142.4	158.5	151.5	131.2
75°	1341.0	1379.6	1316.5	1294.1	1379.6	183.1	112.2	132.6	141.7	131.2	119.3
77.5°	270.7	258.8	245.5	242.7	313.5	112.9	103.1	115.1	108.7	96.1	96.8
80°	129.8	126.2	122.0	121.3	116.5	94.0	95.3	98.2	82.0	74.3	79.3
82.5°	86.2	81.4	80.0	77.1	78.5	84.2	90.5	84.2	63.2	58.9	71.5
85°	40.0	38.6	37.9	37.9	42.0	75.7	75.1	61.8	43.4	42.0	71.5
87.5°	9.9	9.9	10.5	9.9	11.3	22.4	19.6	19.0	16.1	18.2	33.7
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):

	165°	175°	180°
0°	669.1	669.1	669.1
2.5°	674.1	674.7	674.1
5°	680.4	680.4	680.4
7.5°	680.4	678.2	677.6
10°	670.5	664.2	664.2
12.5°	653.7	643.2	641.8
15°	622.1	608.1	606.1
17.5°	582.1	563.3	559.7
20°	537.3	513.4	509.2
22.5°	488.2	460.8	458.7
25°	439.8	411.7	406.1
27.5°	385.8	358.4	355.6
30°	331.7	307.9	306.5
32.5°	286.1	271.4	268.7
35°	253.9	245.5	242.0
37.5°	232.8	226.5	225.9
40°	216.7	211.2	210.4
42.5°	203.4	198.5	197.8
45°	190.0	185.9	184.5
47.5°	176.7	172.6	171.8
50°	164.8	159.3	158.5
52.5°	153.6	148.0	146.6
55°	143.1	137.5	137.5
57.5°	134.0	128.4	127.6
60°	125.6	119.9	119.3
62.5°	119.3	112.2	111.5
65°	114.3	107.3	106.0
67.5°	111.5	103.1	101.0
70°	116.5	101.0	97.5
72.5°	117.1	98.9	94.0
75°	112.9	93.3	89.8
77.5°	98.9	83.4	80.0
80°	85.6	64.6	59.6
82.5°	81.4	52.6	45.6
85°	63.2	34.3	32.3
87.5°	35.8	19.0	15.4
90°	0.0	0.0	0.0

(END OF REPORT)