

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: P180342

Luminaire Tested: **ICS-F03-LED-E1-RW-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180342
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
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-RW-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6360 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

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

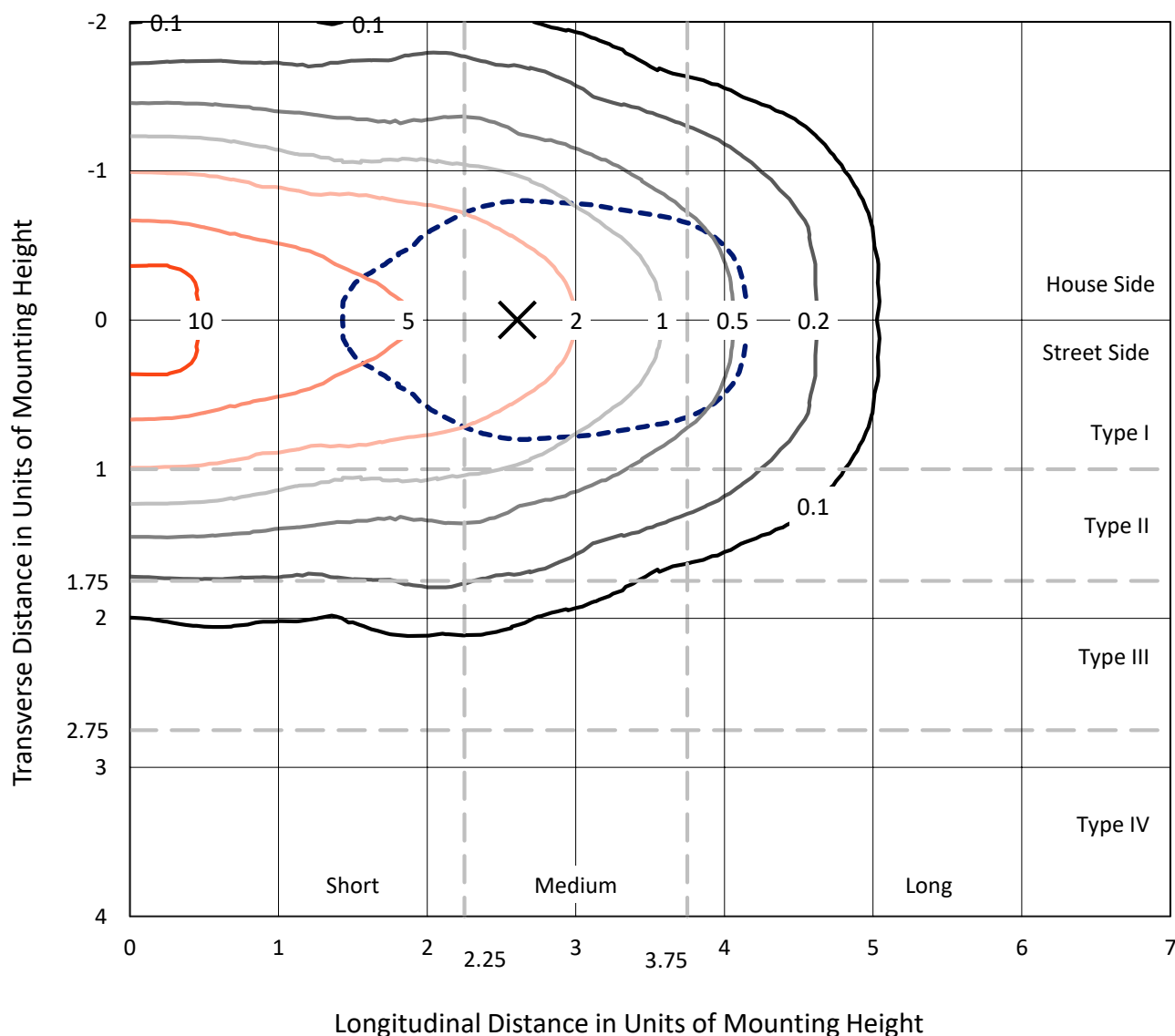


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

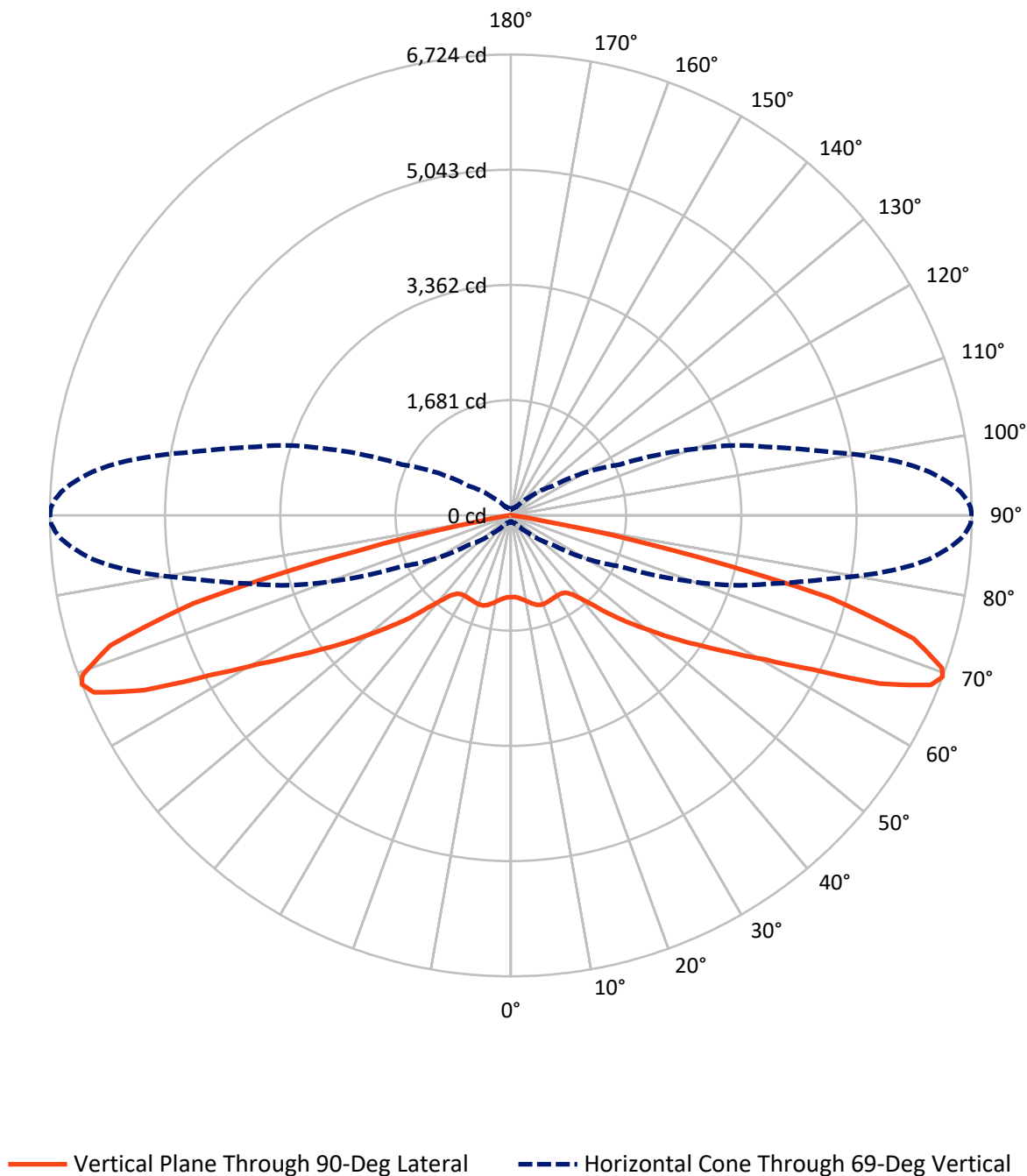


Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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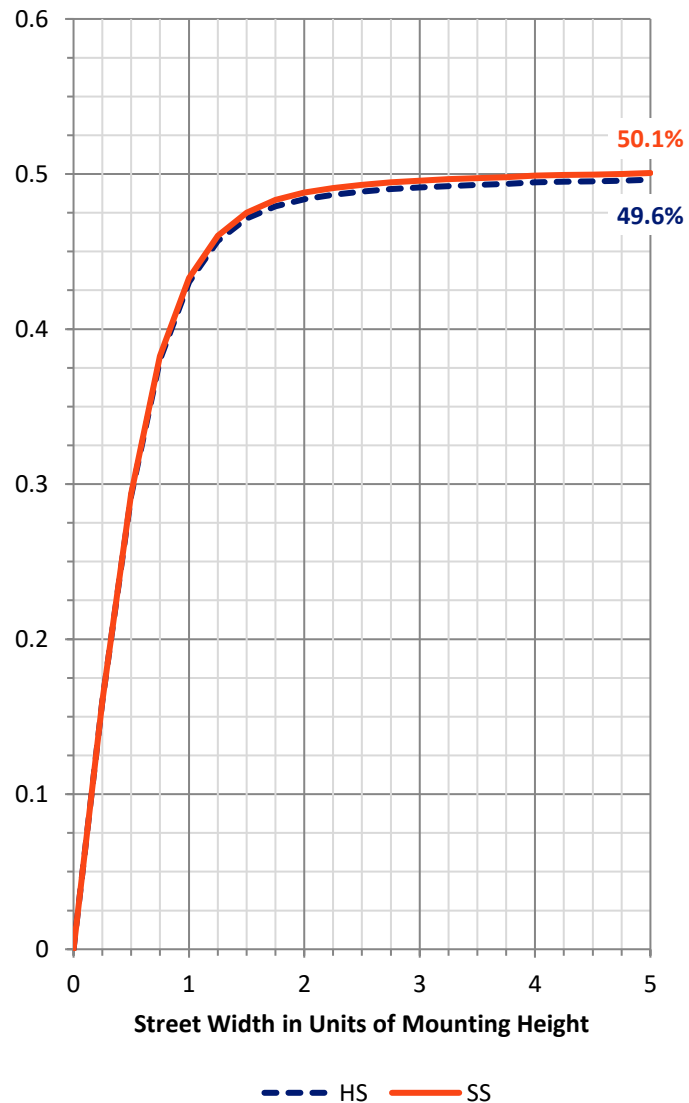
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3180.0	0.0	3180.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3180.0	0.0	3180.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6360.0	0.0	6360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.9	1.8
10°-20°	368.7	5.8
20°-30°	597.4	9.4
30°-40°	744.5	11.7
40°-50°	930.4	14.6
50°-60°	1148.8	18.1
60°-70°	1427.4	22.4
70°-80°	947.6	14.9
80°-90°	78.2	1.2
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°	6360.0	100.0
0°-180°	6360.0	100.0

Coefficient of Utilization



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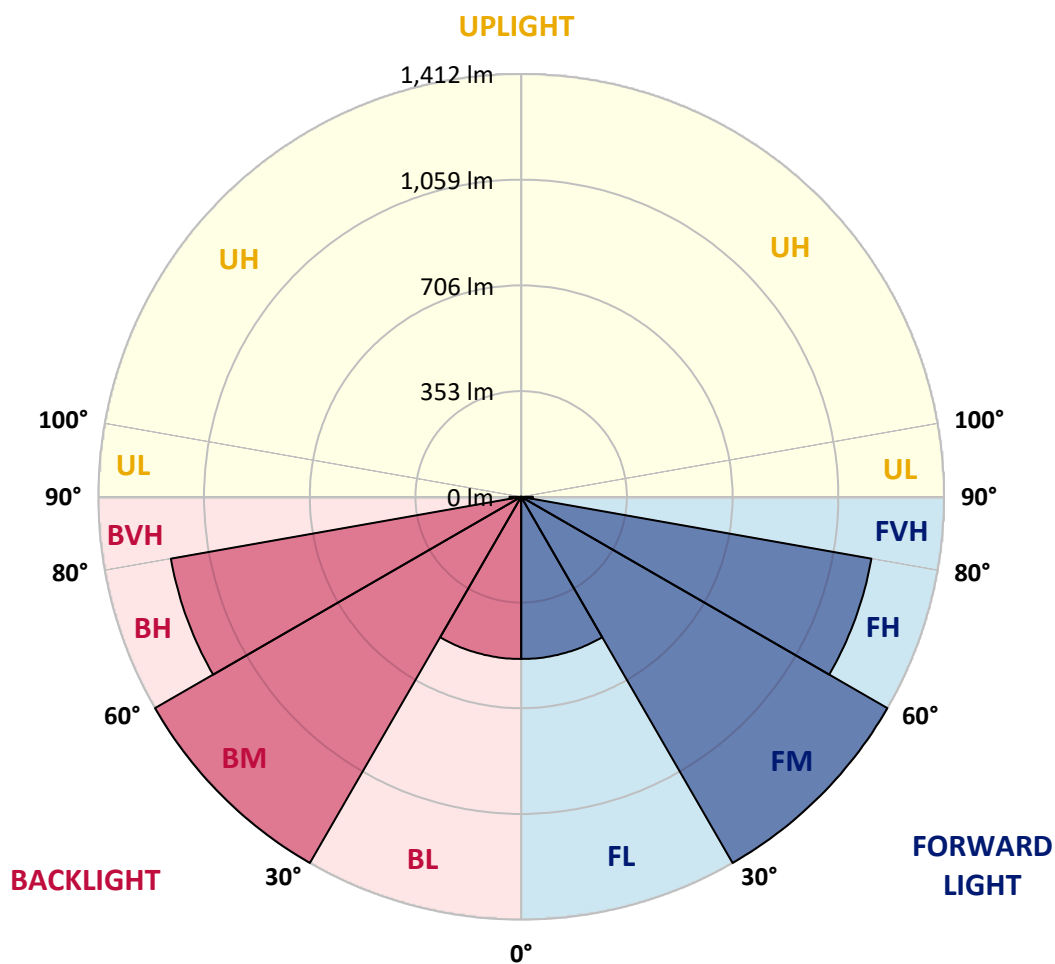
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.5	8.5			
FM	(30°-60°)	1411.8	22.2			
FH	(60°-80°)	1187.5	18.7			G1/1800
FVH	(80°-90°)	39.1	0.6			G1/100
BL	(0°-30°)	541.5	8.5	B2/1000		
BM	(30°-60°)	1411.8	22.2	B2/2500		
BH	(60°-80°)	1187.5	18.7	B3/2500		G3/2500
BVH	(80°-90°)	39.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7
2.5°	1197.1	1198.2	1197.4	1198.8	1198.4	1198.4	1197.8	1196.4	1195.6	1195.0	1195.1
5°	1208.6	1207.3	1209.4	1211.4	1210.7	1211.0	1210.7	1210.6	1210.0	1210.0	1209.9
7.5°	1220.8	1220.5	1221.8	1227.3	1228.0	1230.0	1232.4	1234.1	1234.4	1234.8	1234.4
10°	1231.4	1231.8	1235.1	1242.9	1247.0	1253.4	1259.9	1264.9	1266.8	1268.0	1267.9
12.5°	1239.8	1240.2	1245.2	1257.5	1267.4	1279.6	1293.4	1301.3	1304.7	1305.3	1305.9
15°	1240.6	1241.6	1250.4	1270.4	1290.1	1310.1	1326.7	1337.2	1340.0	1341.8	1341.9
17.5°	1231.7	1232.4	1247.3	1276.8	1309.8	1341.0	1358.3	1363.0	1364.0	1364.7	1364.4
20°	1208.6	1210.4	1231.4	1275.2	1325.4	1366.1	1384.1	1377.6	1374.4	1374.0	1373.7
22.5°	1171.4	1171.0	1198.4	1257.5	1328.4	1385.8	1401.7	1384.7	1374.8	1372.7	1371.3
25°	1110.9	1114.9	1147.2	1217.8	1311.1	1390.1	1414.3	1388.5	1374.1	1370.8	1367.0
27.5°	1045.4	1047.8	1082.1	1157.8	1270.8	1374.9	1420.4	1396.0	1379.8	1375.3	1370.8
30°	969.1	972.2	1008.8	1087.8	1205.9	1335.6	1418.7	1412.9	1394.0	1388.7	1382.9
32.5°	894.4	897.8	930.8	1017.2	1137.7	1281.6	1408.5	1437.0	1417.6	1411.6	1405.7
35°	817.1	822.2	862.2	949.8	1071.9	1221.6	1392.9	1467.9	1457.2	1451.9	1446.7
37.5°	752.9	754.0	792.6	884.6	1010.8	1164.2	1372.2	1506.9	1514.7	1514.7	1515.4
40°	681.4	687.8	726.5	823.5	955.5	1115.7	1352.5	1559.9	1600.4	1607.8	1613.6
42.5°	617.2	617.9	657.2	757.3	895.4	1076.6	1341.6	1623.6	1710.3	1726.2	1742.0
45°	549.6	552.4	588.0	684.8	826.2	1030.5	1341.3	1697.2	1835.7	1862.3	1886.9
47.5°	485.9	486.9	524.6	614.5	746.8	966.0	1339.0	1776.3	1964.8	2004.0	2036.0
50°	424.8	423.8	460.8	547.4	668.4	881.6	1318.2	1865.9	2103.9	2148.6	2188.1
52.5°	355.0	359.6	398.0	480.8	597.2	795.7	1257.8	1964.0	2248.6	2300.3	2349.9
55°	286.4	288.4	329.4	406.8	525.0	715.6	1152.6	2054.2	2389.8	2448.4	2503.6
57.5°	211.0	217.2	253.1	329.5	451.6	648.1	1019.0	2101.0	2509.4	2577.0	2642.5
60°	149.0	153.8	185.6	249.8	371.2	577.2	904.0	2074.9	2605.6	2691.9	2770.6
62.5°	116.0	119.8	145.2	187.0	289.4	506.3	821.5	1990.4	2712.5	2825.0	2932.5
65°	101.8	105.2	128.2	149.6	216.2	434.0	776.4	1901.2	2855.7	3021.4	3171.2
67.5°	91.9	96.0	116.0	131.0	176.2	378.7	764.4	1844.8	2925.9	3141.8	3343.6
69°	87.6	91.6	109.6	122.2	163.6	359.0	744.1	1756.3	2831.1	3061.8	3282.3
70°	84.8	88.2	104.8	117.8	159.4	345.4	710.2	1645.6	2701.1	2934.0	3164.4
72.5°	78.8	80.4	95.0	107.6	148.0	279.2	546.3	1222.2	2137.2	2364.3	2588.0
75°	69.6	71.6	85.2	97.4	115.4	173.4	345.8	756.0	1439.1	1608.2	1815.8
77.5°	60.1	61.8	73.6	93.0	89.6	108.2	206.6	420.8	816.9	915.2	1050.1
80°	48.2	50.2	60.7	92.3	74.0	84.2	148.6	294.2	401.1	430.4	462.7
82.5°	35.3	37.0	47.5	74.6	56.6	63.4	113.3	249.4	286.5	299.8	306.3
85°	18.0	18.3	30.2	45.4	36.0	32.9	63.8	170.6	194.4	197.8	202.8
87.5°	3.0	3.0	6.8	7.8	8.8	5.4	8.1	29.2	33.8	33.5	36.3
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7
2.5°	1195.6	1195.3	1195.8	1195.8	1196.2	1194.9	1194.6	1194.4	1194.4	1195.1	1194.4
5°	1210.2	1210.1	1210.4	1210.9	1210.8	1210.0	1209.8	1210.0	1209.0	1208.6	1209.4
7.5°	1235.1	1234.8	1234.1	1235.2	1235.9	1236.0	1236.7	1236.1	1235.8	1235.4	1236.2
10°	1269.0	1268.9	1269.0	1270.2	1271.0	1271.1	1272.0	1271.1	1270.8	1271.4	1271.4
12.5°	1307.2	1306.4	1308.1	1308.7	1309.8	1311.8	1310.8	1312.2	1311.2	1312.8	1312.8
15°	1343.1	1343.5	1345.0	1345.6	1345.9	1347.6	1347.8	1348.8	1347.4	1347.8	1350.4
17.5°	1365.4	1365.1	1366.0	1366.6	1367.5	1368.4	1369.9	1370.8	1370.1	1370.2	1371.6
20°	1372.9	1371.9	1372.2	1372.7	1372.8	1373.6	1374.8	1374.9	1374.9	1375.2	1376.6
22.5°	1369.2	1367.5	1365.8	1365.9	1366.0	1365.8	1366.6	1367.1	1367.8	1368.4	1370.2
25°	1364.0	1360.2	1357.0	1356.7	1355.7	1355.8	1356.1	1356.2	1356.9	1358.0	1359.3
27.5°	1364.6	1359.4	1354.2	1352.4	1350.5	1349.4	1348.9	1348.1	1348.8	1349.8	1351.2
30°	1376.2	1368.1	1360.6	1358.3	1355.7	1353.4	1351.4	1349.1	1347.8	1348.8	1349.4
32.5°	1396.6	1388.7	1381.4	1377.6	1373.9	1369.8	1366.1	1363.7	1360.6	1359.6	1359.2
35°	1440.1	1433.8	1427.2	1423.0	1416.7	1413.5	1409.0	1402.4	1397.6	1397.3	1394.6
37.5°	1513.3	1510.3	1505.6	1501.1	1499.1	1490.6	1485.2	1481.8	1476.4	1479.8	1474.0
40°	1618.6	1623.6	1628.1	1625.5	1626.3	1624.0	1620.8	1624.0	1620.2	1619.2	1620.2
42.5°	1753.5	1771.3	1783.8	1787.7	1797.8	1801.7	1809.0	1820.4	1818.0	1831.0	1833.3
45°	1909.7	1935.3	1960.2	1978.7	1999.0	2021.9	2044.9	2063.0	2077.3	2076.6	2092.2
47.5°	2069.1	2107.0	2140.0	2168.0	2204.4	2238.0	2275.1	2312.4	2339.6	2349.8	2353.2
50°	2230.7	2274.3	2319.6	2360.6	2409.7	2463.5	2521.9	2580.2	2609.4	2633.1	2649.0
52.5°	2399.8	2449.8	2498.0	2555.9	2616.5	2687.6	2760.4	2843.4	2887.6	2932.4	2956.2
55°	2560.7	2616.6	2666.4	2743.8	2818.2	2903.0	2998.1	3103.0	3179.4	3232.0	3278.4
57.5°	2707.0	2766.4	2827.5	2914.8	3009.6	3108.9	3229.5	3356.8	3440.0	3531.6	3614.0
60°	2849.8	2924.5	2994.8	3108.9	3221.8	3345.0	3495.2	3656.5	3785.1	3909.6	4004.6
62.5°	3039.2	3135.1	3222.5	3366.1	3513.4	3665.8	3844.4	4035.2	4221.8	4390.8	4518.6
65°	3318.9	3459.9	3590.6	3772.6	3958.6	4159.2	4372.3	4616.0	4840.0	5063.6	5246.8
67.5°	3531.2	3709.7	3877.7	4097.7	4316.6	4549.0	4806.7	5094.5	5371.7	5623.8	5847.0
69°	3489.6	3678.9	3860.8	4085.3	4312.9	4550.4	4810.2	5116.2	5404.2	5678.1	5917.6
70°	3362.8	3560.0	3748.4	3971.2	4201.8	4439.8	4711.8	5012.4	5307.2	5599.0	5841.0
72.5°	2786.9	2984.9	3167.9	3395.9	3628.0	3878.0	4135.6	4428.4	4743.3	5055.2	5267.2
75°	1998.2	2173.1	2350.4	2543.3	2769.8	2975.9	3211.5	3490.8	3755.6	3997.4	4159.6
77.5°	1181.0	1285.8	1412.2	1503.0	1634.4	1747.9	1867.8	2023.0	2104.4	2260.6	2300.6
80°	481.2	478.3	497.1	478.5	482.6	467.5	451.2	448.2	422.8	454.6	430.9
82.5°	305.6	284.3	261.6	230.1	202.4	173.3	146.5	124.2	120.1	120.8	119.4
85°	201.4	192.2	171.7	144.4	117.7	94.4	75.6	59.8	59.0	58.0	57.7
87.5°	36.4	33.8	27.8	23.7	20.0	14.9	10.5	7.8	7.4	7.4	8.8
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):

	84°	85°	86°	87°	88°	89°	90°
0°	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7	1191.7
2.5°	1194.4	1194.4	1194.0	1194.8	1194.4	1193.4	1192.4
5°	1210.0	1208.6	1209.7	1210.6	1208.9	1209.3	1208.6
7.5°	1236.1	1235.8	1236.1	1235.1	1234.4	1235.4	1236.5
10°	1272.8	1272.1	1271.8	1272.8	1272.0	1271.4	1271.8
12.5°	1313.8	1313.8	1313.5	1313.8	1313.5	1312.4	1311.8
15°	1350.2	1350.8	1350.8	1350.2	1349.8	1349.5	1349.8
17.5°	1372.6	1372.2	1372.2	1372.2	1371.8	1372.2	1372.9
20°	1378.3	1377.3	1377.2	1378.0	1377.3	1377.9	1378.3
22.5°	1370.5	1370.5	1370.5	1370.8	1371.5	1371.5	1372.2
25°	1360.6	1360.6	1360.6	1361.4	1361.3	1361.6	1362.0
27.5°	1352.8	1352.8	1352.8	1353.6	1353.5	1353.8	1354.5
30°	1350.5	1350.4	1350.2	1350.5	1350.8	1350.8	1351.2
32.5°	1359.6	1358.6	1358.2	1357.6	1356.9	1356.9	1356.6
35°	1391.9	1389.2	1389.5	1387.4	1388.2	1386.4	1385.1
37.5°	1470.2	1467.6	1464.5	1460.4	1458.0	1461.1	1461.1
40°	1616.9	1618.6	1611.1	1609.0	1604.6	1607.6	1611.7
42.5°	1834.6	1836.7	1838.0	1826.8	1826.5	1824.2	1817.4
45°	2092.9	2088.2	2090.2	2085.1	2083.0	2075.6	2084.8
47.5°	2366.0	2369.1	2356.9	2352.9	2360.0	2347.7	2349.4
50°	2658.2	2658.9	2649.8	2647.7	2654.1	2631.0	2641.9
52.5°	2973.1	2974.4	2981.6	2973.0	2976.5	2971.0	2981.9
55°	3308.0	3333.4	3335.8	3345.0	3345.6	3356.8	3345.7
57.5°	3659.8	3688.7	3715.8	3752.8	3761.0	3756.6	3763.7
60°	4083.7	4159.4	4200.0	4258.0	4267.2	4292.4	4270.6
62.5°	4638.8	4756.6	4845.5	4890.2	4917.4	4970.0	4952.6
65°	5415.2	5555.3	5690.3	5754.8	5826.0	5900.7	5914.3
67.5°	6051.0	6206.8	6347.2	6458.8	6545.8	6600.7	6605.1
69°	6130.5	6296.0	6443.9	6568.2	6652.6	6709.0	6723.9
70°	6058.8	6228.1	6384.9	6503.4	6597.6	6655.0	6675.0
72.5°	5489.8	5691.3	5816.9	5937.6	6070.7	6088.0	6143.0
75°	4345.6	4526.5	4649.6	4681.6	4751.1	4838.6	4807.4
77.5°	2266.6	2345.4	2371.5	2315.8	2313.1	2364.4	2262.6
80°	431.6	432.3	425.2	422.4	427.6	422.4	415.3
82.5°	121.8	120.2	119.1	121.8	121.5	121.2	123.5
85°	56.3	54.6	51.9	51.9	53.2	51.2	52.3
87.5°	7.8	6.4	6.4	6.4	6.1	6.1	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)