

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: P148735

Luminaire Tested: **VXS-F02-LED-E1-RW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148735
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: VXS-F02-LED-E1-RW
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5157.8 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 55
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

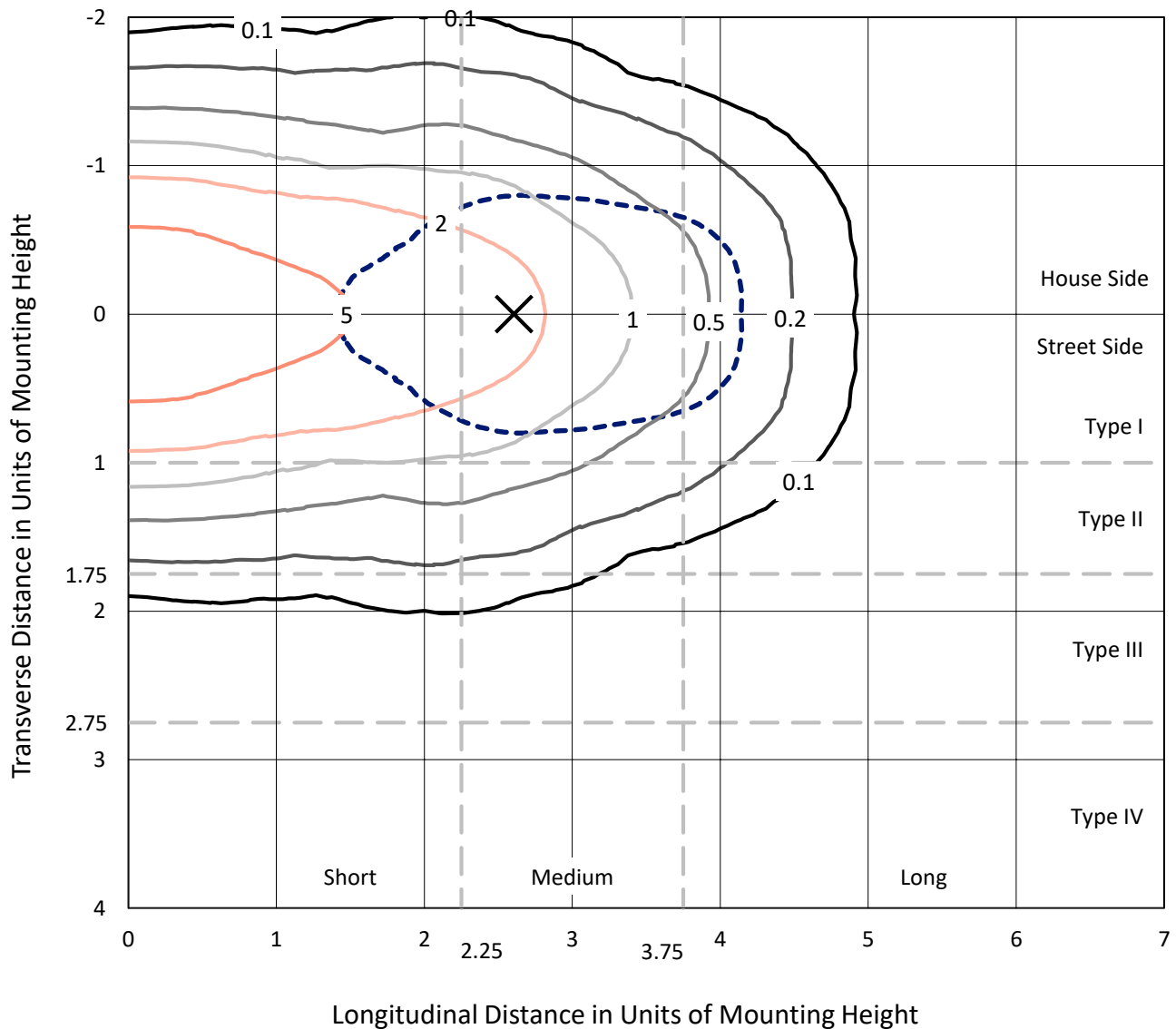


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

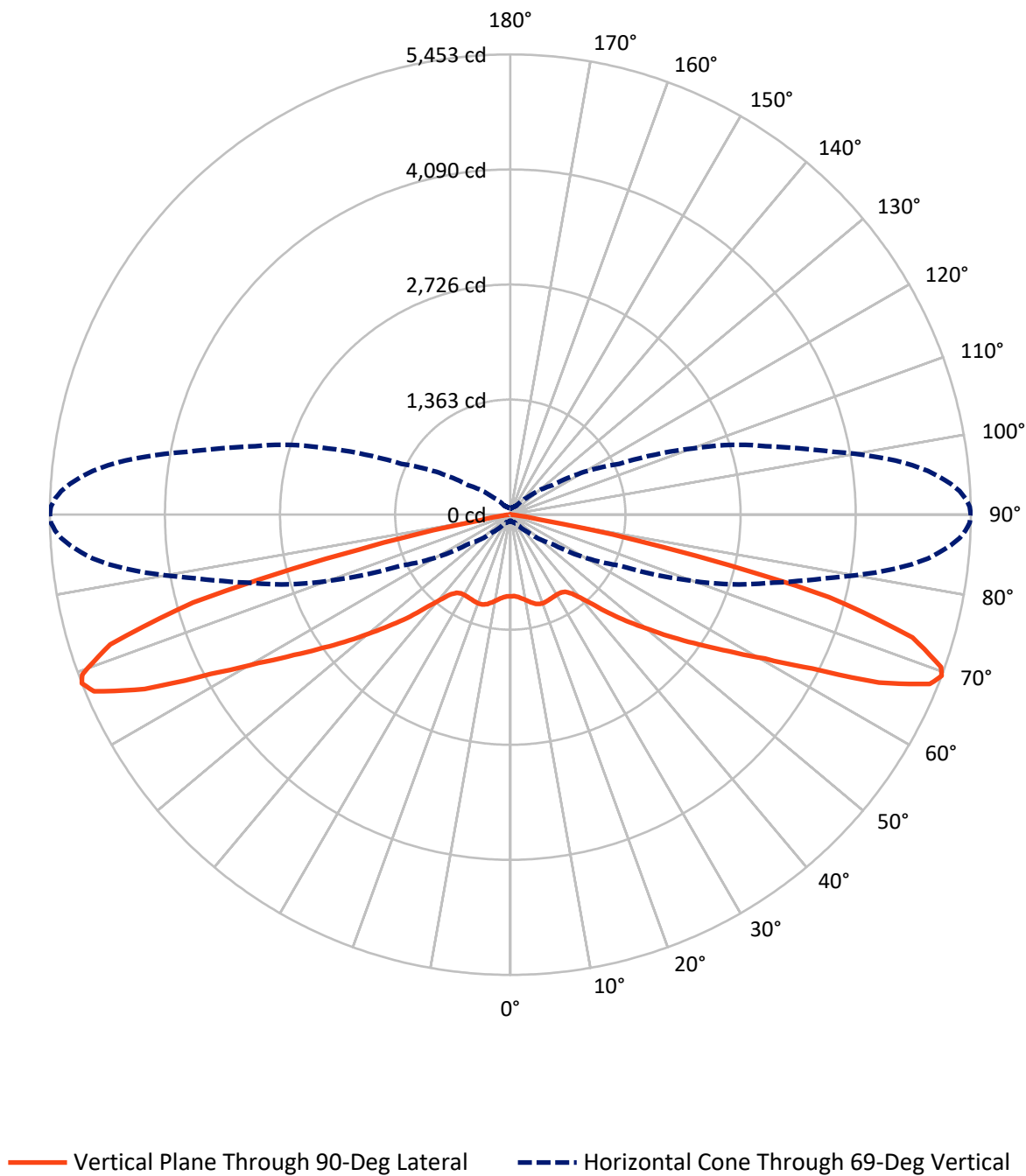


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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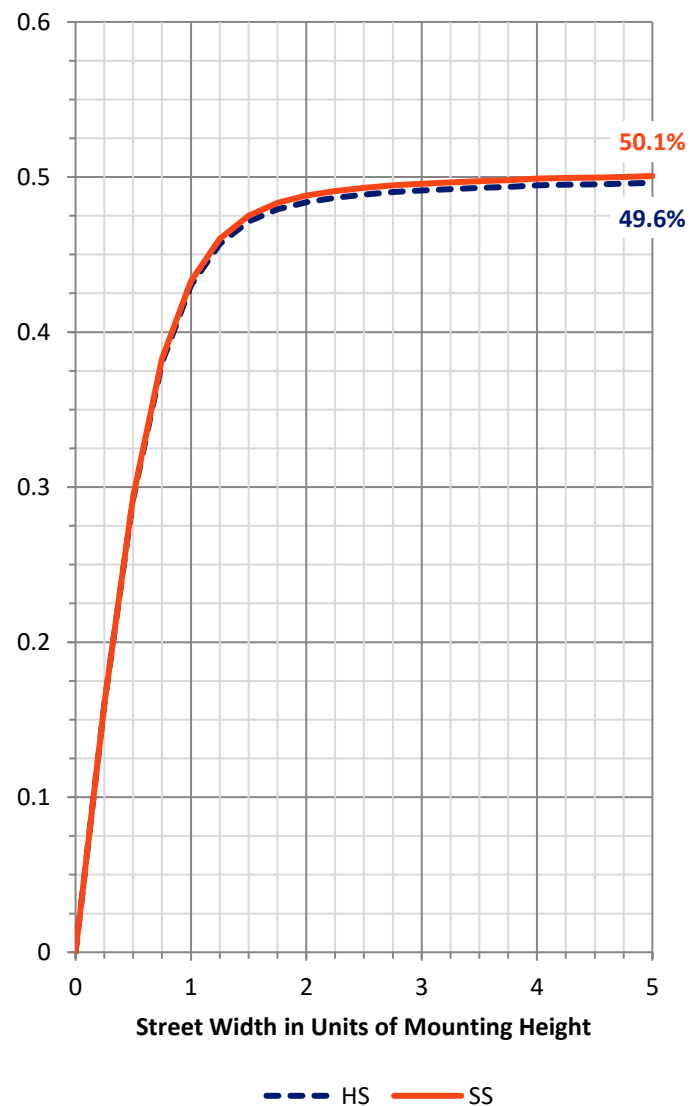
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2578.9	0.0	2578.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2578.9	0.0	2578.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5157.8	0.0	5157.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	1.8
10°-20°	299.0	5.8
20°-30°	484.5	9.4
30°-40°	603.8	11.7
40°-50°	754.5	14.6
50°-60°	931.6	18.1
60°-70°	1157.6	22.4
70°-80°	768.5	14.9
80°-90°	63.5	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°	5157.8	100.0
0°-180°	5157.8	100.0

Coefficient of Utilization



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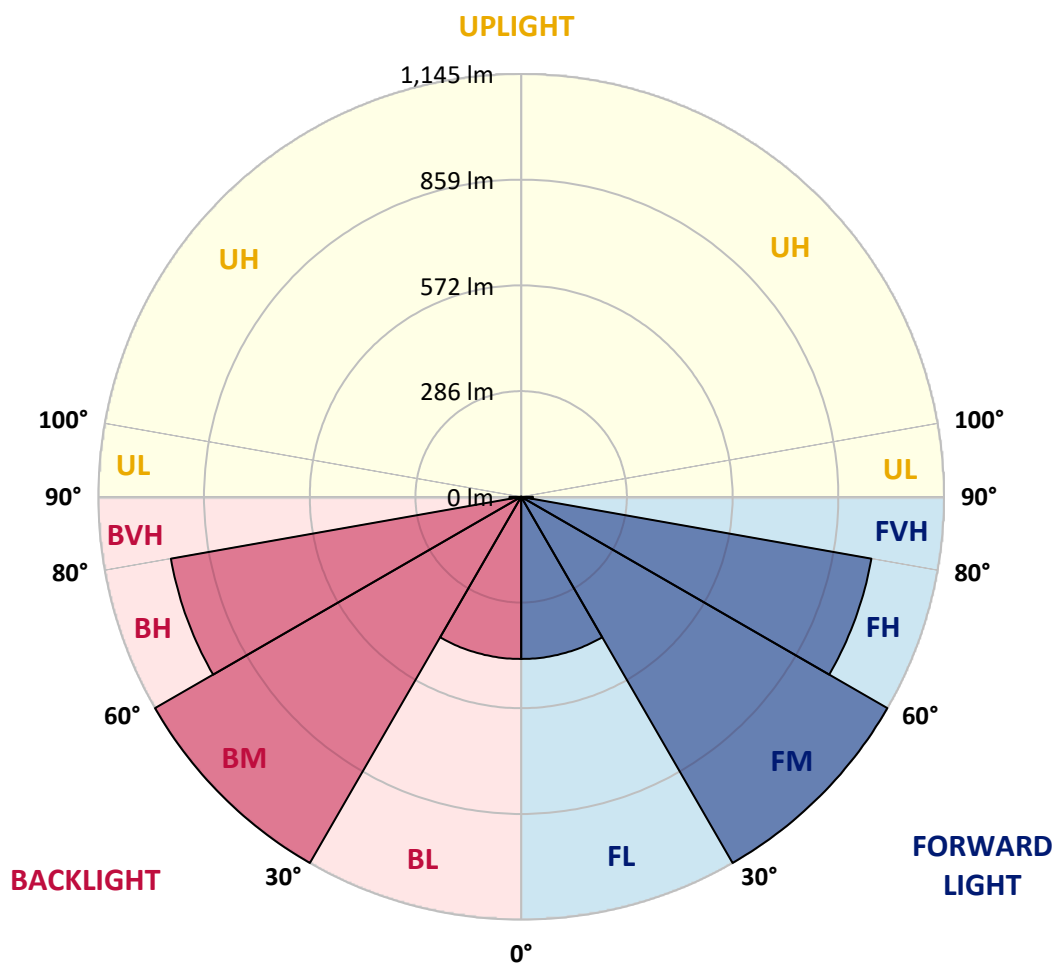
CATALOG NUMBER: VXS-F02-LED-E1-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	439.2	8.5			
FM	(30°-60°)	1145.0	22.2			
FH	(60°-80°)	963.1	18.7			G1/1800
FVH	(80°-90°)	31.7	0.6			G1/100
BL	(0°-30°)	439.2	8.5	B1/500		
BM	(30°-60°)	1145.0	22.2	B2/2500		
BH	(60°-80°)	963.1	18.7	B2/1000		G2/1000
BVH	(80°-90°)	31.7	0.6			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4
2.5°	970.8	971.6	971.1	972.2	971.9	971.9	971.4	970.2	970.1	970.0	969.8
5°	980.2	979.1	980.8	982.4	981.8	982.2	981.8	981.8	981.7	981.6	981.5
7.5°	990.0	989.8	991.0	995.4	995.8	997.5	999.4	1000.8	1000.8	1000.9	1000.9
10°	998.6	998.8	1001.6	1008.0	1011.2	1016.4	1021.7	1025.8	1026.2	1026.5	1026.8
12.5°	1005.4	1005.8	1009.9	1019.8	1027.8	1037.7	1048.9	1055.2	1055.8	1056.4	1056.9
15°	1006.0	1006.9	1014.0	1030.2	1046.2	1062.4	1076.0	1084.4	1084.9	1085.3	1085.8
17.5°	998.9	999.4	1011.5	1035.5	1062.2	1087.6	1101.6	1105.4	1105.6	1105.7	1105.9
20°	980.2	981.6	998.6	1034.1	1074.8	1107.8	1122.4	1117.2	1116.7	1116.2	1115.6
22.5°	949.9	949.6	971.9	1019.8	1077.4	1123.8	1136.8	1123.0	1121.4	1119.8	1118.1
25°	900.9	904.2	930.4	987.6	1063.3	1127.4	1146.9	1126.0	1123.7	1121.3	1119.0
27.5°	847.8	849.7	877.5	938.9	1030.6	1115.0	1152.0	1132.1	1129.4	1126.8	1124.2
30°	785.9	788.4	818.1	882.2	978.0	1083.1	1150.5	1145.8	1142.8	1139.7	1136.6
32.5°	725.4	728.2	754.8	825.0	922.7	1039.4	1142.3	1165.4	1162.2	1159.1	1155.9
35°	662.6	666.7	699.2	770.2	869.3	990.6	1129.6	1190.4	1188.7	1186.9	1185.2
37.5°	610.6	611.4	642.8	717.4	819.7	944.1	1112.8	1222.0	1223.3	1224.5	1225.8
40°	552.6	557.8	589.2	667.8	774.8	904.8	1096.9	1265.0	1271.6	1278.2	1284.8
42.5°	500.6	501.1	533.0	614.2	726.2	873.1	1088.1	1316.8	1330.8	1344.9	1358.9
45°	445.8	448.0	476.8	555.2	670.0	835.7	1087.8	1376.4	1398.9	1421.4	1443.8
47.5°	394.0	394.8	425.4	498.3	605.7	783.5	1085.8	1440.5	1471.1	1501.7	1532.2
50°	344.5	343.7	373.7	443.8	542.1	714.9	1069.0	1513.2	1551.8	1590.4	1629.0
52.5°	287.8	291.7	322.8	389.9	484.4	645.3	1020.0	1592.7	1638.9	1685.1	1731.2
55°	232.3	234.0	267.2	329.9	425.7	580.3	934.8	1666.0	1720.4	1774.8	1829.2
57.5°	171.1	176.0	205.3	267.2	366.3	525.6	826.4	1703.8	1770.1	1836.3	1902.6
60°	120.8	124.6	150.6	202.5	301.0	468.0	733.0	1682.7	1768.8	1854.9	1940.9
62.5°	94.2	97.2	117.8	151.7	234.7	410.6	666.2	1614.2	1731.3	1848.4	1965.5
65°	82.6	85.3	104.0	121.4	175.3	352.0	629.6	1541.8	1696.7	1851.5	2006.3
67.5°	74.6	77.8	94.1	106.2	142.8	307.1	620.0	1496.1	1671.4	1846.8	2022.2
69°	71.0	74.3	88.8	99.1	132.6	291.1	603.4	1424.3	1598.6	1772.9	1947.2
70°	68.8	71.6	85.0	95.5	129.4	280.2	576.0	1334.6	1505.8	1677.0	1848.2
72.5°	63.8	65.2	77.1	87.2	120.0	226.5	443.0	991.2	1139.6	1288.0	1436.4
75°	56.4	58.1	69.0	79.0	93.6	140.6	280.4	613.1	723.9	834.7	945.4
77.5°	48.8	50.1	59.7	75.4	72.6	87.8	167.6	341.2	405.4	469.7	533.9
80°	39.0	40.8	49.3	74.8	60.0	68.2	120.5	238.6	255.9	273.2	290.6
82.5°	28.6	30.0	38.6	60.5	46.0	51.4	92.0	202.3	208.3	214.3	220.4
85°	14.6	14.8	24.6	36.8	29.2	26.7	51.8	138.4	142.3	146.1	150.0
87.5°	2.5	2.5	5.5	6.4	7.2	4.4	6.6	23.7	24.4	25.2	25.9
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4
2.5°	969.7	969.6	969.1	969.2	969.6	969.4	969.8	969.8	970.1	969.1	968.8
5°	981.4	981.3	981.2	981.1	981.4	981.3	981.6	982.0	981.9	981.3	981.1
7.5°	1001.0	1001.0	1001.3	1001.1	1001.6	1001.4	1000.8	1001.7	1002.3	1002.4	1002.9
10°	1027.1	1027.4	1028.3	1028.2	1029.2	1029.0	1029.2	1030.1	1030.8	1030.8	1031.5
12.5°	1057.4	1058.0	1058.5	1059.0	1060.1	1059.5	1060.8	1061.4	1062.2	1063.8	1063.1
15°	1086.2	1086.7	1088.1	1088.3	1089.2	1089.6	1090.8	1091.3	1091.5	1092.8	1093.1
17.5°	1106.0	1106.2	1106.8	1106.5	1107.3	1107.1	1107.8	1108.3	1109.0	1109.7	1111.0
20°	1115.1	1114.6	1114.3	1114.0	1113.4	1112.6	1112.8	1113.2	1113.3	1114.0	1114.9
22.5°	1116.5	1114.9	1113.2	1112.1	1110.4	1109.0	1107.6	1107.7	1107.8	1107.6	1108.3
25°	1116.7	1114.3	1111.7	1108.5	1106.2	1103.0	1100.4	1100.2	1099.4	1099.5	1099.8
27.5°	1121.6	1119.0	1115.3	1111.7	1106.6	1102.5	1098.2	1096.7	1095.2	1094.3	1093.9
30°	1133.6	1130.6	1126.2	1121.5	1116.0	1109.5	1103.4	1101.6	1099.5	1097.6	1096.0
32.5°	1152.8	1149.7	1144.8	1140.0	1132.6	1126.2	1120.2	1117.2	1114.2	1110.9	1107.9
35°	1183.5	1181.8	1177.5	1173.2	1167.8	1162.8	1157.4	1154.0	1148.9	1146.3	1142.7
37.5°	1227.1	1228.4	1228.4	1228.9	1227.2	1224.8	1220.9	1217.4	1215.7	1208.8	1204.4
40°	1291.3	1297.9	1303.9	1308.5	1312.7	1316.7	1320.2	1318.2	1318.8	1317.1	1314.4
42.5°	1373.0	1387.0	1399.9	1412.8	1422.0	1436.5	1446.6	1449.8	1457.9	1461.2	1467.1
45°	1466.2	1488.7	1510.2	1530.2	1548.8	1569.5	1589.7	1604.7	1621.1	1639.7	1658.3
47.5°	1562.8	1593.4	1625.2	1651.1	1678.0	1708.7	1735.5	1758.1	1787.6	1815.0	1845.0
50°	1667.6	1706.2	1742.4	1774.5	1809.0	1844.4	1881.2	1914.3	1954.2	1997.9	2045.1
52.5°	1777.4	1823.6	1865.5	1905.7	1946.2	1986.7	2025.8	2072.8	2122.0	2179.6	2238.7
55°	1883.6	1938.1	1985.6	2030.3	2076.7	2121.9	2162.4	2225.1	2285.4	2354.2	2431.4
57.5°	1968.8	2035.0	2089.8	2143.0	2195.3	2243.4	2293.0	2363.9	2440.7	2521.2	2619.0
60°	2027.0	2113.1	2183.0	2246.9	2311.0	2371.6	2428.7	2521.2	2612.7	2712.8	2834.5
62.5°	2082.6	2199.8	2291.0	2378.1	2464.7	2542.5	2613.4	2729.8	2849.3	2972.9	3117.7
65°	2161.1	2315.9	2450.3	2571.8	2691.6	2805.9	2911.9	3059.5	3210.3	3373.0	3545.9
67.5°	2197.5	2372.9	2547.9	2711.6	2863.8	3008.5	3144.6	3323.0	3500.6	3689.2	3898.1
69°	2121.6	2295.9	2483.0	2661.8	2829.9	2983.4	3130.9	3313.0	3497.6	3690.2	3900.9
70°	2019.4	2190.6	2379.4	2566.3	2727.1	2887.1	3039.9	3220.5	3407.6	3600.6	3821.2
72.5°	1584.8	1733.2	1917.4	2098.8	2260.1	2420.7	2569.0	2754.0	2942.2	3145.0	3353.8
75°	1056.2	1167.0	1304.2	1472.5	1620.4	1762.3	1906.1	2062.6	2246.2	2413.3	2604.4
77.5°	598.2	662.5	742.2	851.7	957.8	1042.7	1145.3	1218.9	1325.4	1417.5	1514.8
80°	307.9	325.3	349.0	375.3	390.2	387.9	403.1	388.0	391.4	379.0	366.0
82.5°	226.4	232.4	243.2	248.4	247.8	230.6	212.2	186.6	164.1	140.5	118.8
85°	153.8	157.7	160.4	164.5	163.3	155.8	139.2	117.0	95.4	76.6	61.2
87.5°	26.6	27.4	27.2	29.5	29.5	27.4	22.6	19.2	16.2	12.1	8.6
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4	966.4
2.5°	968.6	968.6	969.2	968.6	968.6	968.6	968.4	968.8	968.6	967.8	966.9
5°	981.2	980.4	980.2	980.8	981.2	980.2	981.0	981.8	980.4	980.7	980.2
7.5°	1002.4	1002.2	1002.0	1002.5	1002.4	1002.2	1002.4	1001.6	1001.1	1001.8	1002.7
10°	1030.8	1030.5	1031.1	1031.1	1032.2	1031.6	1031.4	1032.2	1031.6	1031.1	1031.4
12.5°	1064.1	1063.2	1064.6	1064.6	1065.5	1065.4	1065.2	1065.5	1065.2	1064.4	1063.8
15°	1093.8	1092.8	1093.0	1095.2	1094.9	1095.5	1095.5	1095.0	1094.6	1094.4	1094.6
17.5°	1111.7	1111.2	1111.2	1112.3	1113.1	1112.8	1112.8	1112.8	1112.6	1112.8	1113.4
20°	1115.0	1115.0	1115.3	1116.4	1117.8	1117.0	1117.0	1117.5	1116.9	1117.5	1117.7
22.5°	1108.7	1109.2	1109.8	1111.2	1111.4	1111.4	1111.4	1111.7	1112.2	1112.2	1112.8
25°	1099.9	1100.4	1101.2	1102.4	1103.4	1103.4	1103.5	1104.1	1104.0	1104.2	1104.6
27.5°	1093.2	1093.8	1094.6	1095.8	1097.2	1097.1	1097.1	1097.7	1097.7	1097.9	1098.5
30°	1094.1	1093.0	1093.8	1094.4	1095.2	1095.2	1094.9	1095.2	1095.4	1095.4	1095.8
32.5°	1105.9	1103.4	1102.6	1102.4	1102.6	1101.8	1101.6	1101.0	1100.4	1100.4	1100.1
35°	1137.3	1133.4	1133.2	1131.0	1128.8	1126.5	1126.8	1125.2	1125.8	1124.4	1123.2
37.5°	1201.7	1197.3	1200.0	1195.4	1192.3	1190.1	1187.6	1184.4	1182.4	1184.9	1184.9
40°	1316.9	1314.0	1313.2	1314.0	1311.2	1312.6	1306.6	1304.9	1301.3	1303.8	1307.0
42.5°	1476.4	1474.4	1484.9	1486.8	1487.8	1489.6	1490.6	1481.6	1481.2	1479.3	1473.9
45°	1673.0	1684.6	1684.1	1696.7	1697.2	1693.5	1695.1	1690.9	1689.4	1683.2	1690.7
47.5°	1875.3	1897.4	1905.6	1908.3	1918.8	1921.2	1911.4	1908.0	1913.8	1903.9	1905.3
50°	2092.4	2116.0	2135.4	2148.2	2155.7	2156.2	2148.9	2147.2	2152.4	2133.7	2142.5
52.5°	2306.0	2341.8	2378.1	2397.4	2411.0	2412.1	2418.0	2411.0	2413.9	2409.4	2418.2
55°	2516.5	2578.4	2621.0	2658.8	2682.7	2703.3	2705.2	2712.7	2713.2	2722.2	2713.3
57.5°	2722.3	2789.8	2864.0	2930.9	2968.0	2991.4	3013.4	3043.4	3050.0	3046.5	3052.2
60°	2965.3	3069.6	3170.6	3247.6	3311.8	3373.1	3406.1	3453.2	3460.6	3481.0	3463.3
62.5°	3272.4	3423.7	3560.8	3664.6	3761.9	3857.4	3929.5	3965.8	3987.8	4030.4	4016.5
65°	3743.4	3925.0	4106.4	4255.0	4391.5	4505.2	4614.6	4667.0	4724.8	4785.2	4796.3
67.5°	4131.4	4356.3	4560.8	4741.8	4907.2	5033.5	5147.4	5238.0	5308.4	5353.0	5356.6
69°	4149.1	4382.7	4604.8	4799.0	4971.6	5105.8	5225.8	5326.6	5395.0	5440.8	5452.8
70°	4064.8	4304.0	4540.6	4736.8	4913.5	5050.8	5178.0	5274.0	5350.5	5397.0	5413.3
72.5°	3591.3	3846.6	4099.5	4271.5	4452.1	4615.5	4717.3	4815.3	4923.2	4937.2	4981.8
75°	2831.0	3045.6	3241.9	3373.4	3524.2	3670.9	3770.8	3796.6	3853.0	3924.0	3898.7
77.5°	1640.6	1706.6	1833.2	1865.7	1838.2	1902.0	1923.2	1878.1	1875.9	1917.4	1834.8
80°	363.5	342.8	368.8	349.5	350.0	350.6	344.8	342.6	346.7	342.6	336.8
82.5°	100.7	97.4	98.0	96.8	98.8	97.4	96.6	98.8	98.5	98.2	100.2
85°	48.4	47.9	47.0	46.8	45.7	44.3	42.1	42.0	43.2	41.6	42.4
87.5°	6.4	6.1	6.0	7.2	6.4	5.2	5.2	5.2	5.0	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)