

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: STREETWORKS

Report Number: P155831

Luminaire Tested: **AVS-E03-LED-E-U-T3-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155831
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-T3-7050
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9493.3 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

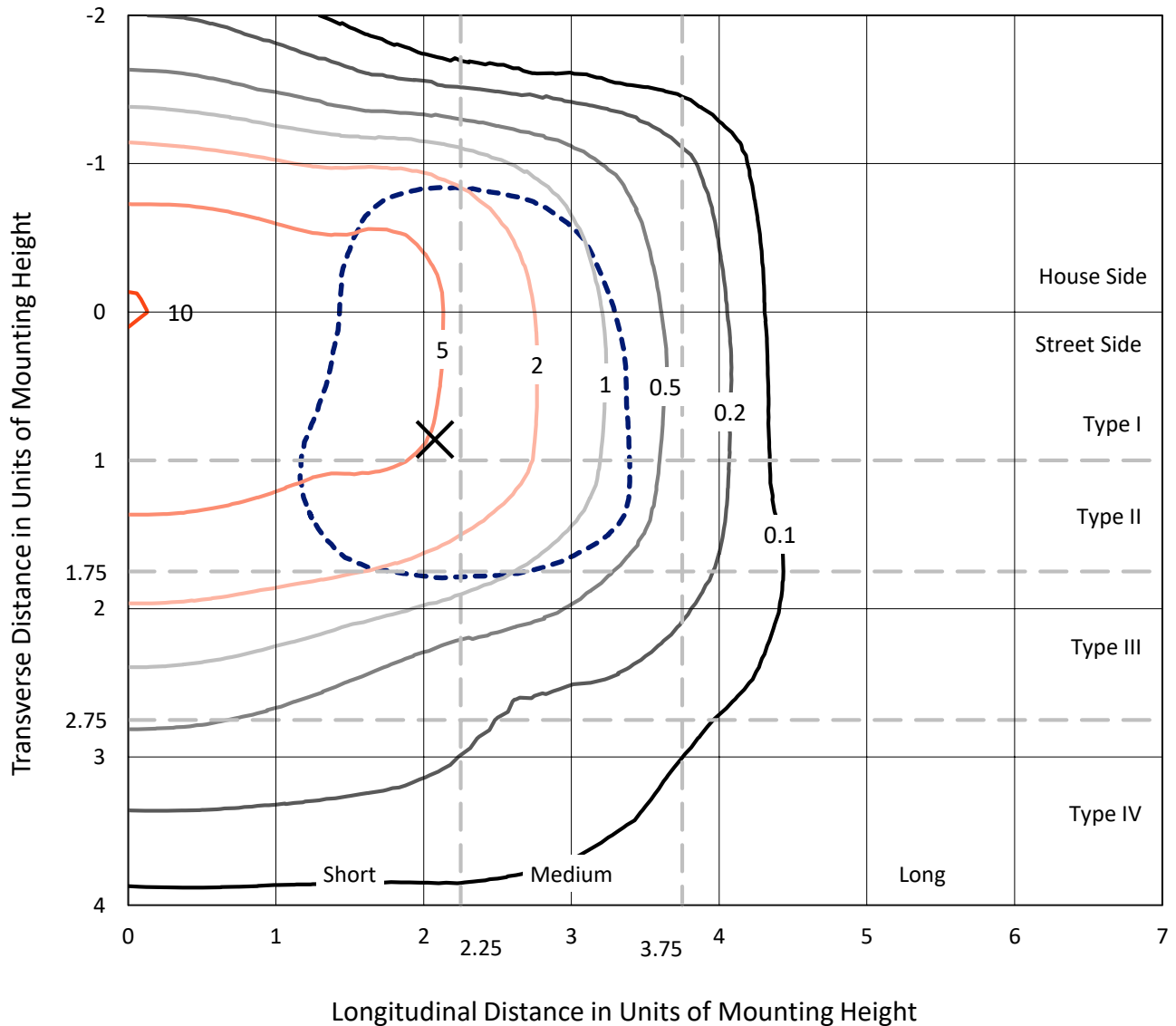
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

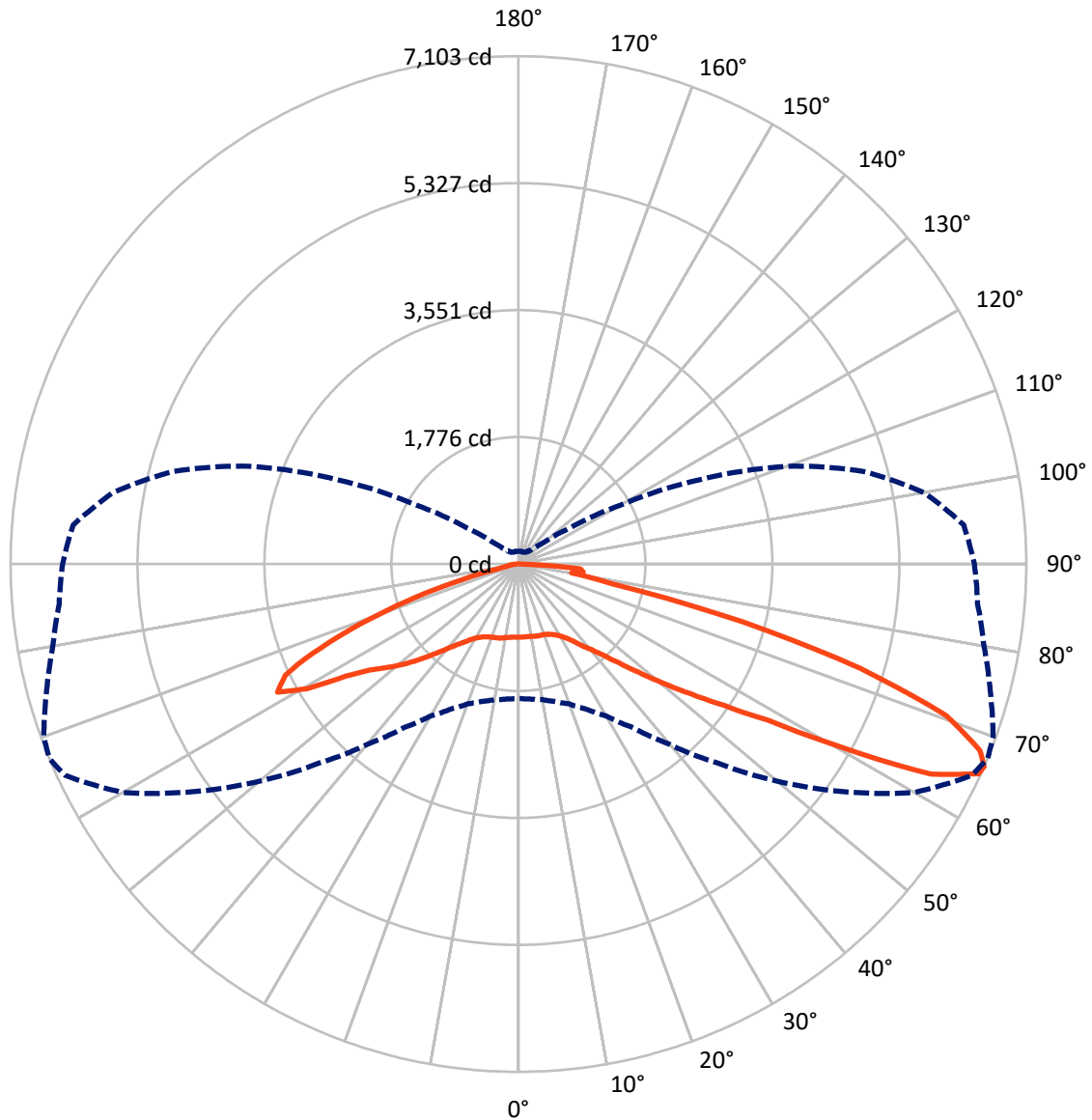
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3278.3	0.0	3278.3
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	6215.0	0.0	6215.0
	% Fixture	65.5	0.0	65.5
Total	Lumens	9493.3	0.0	9493.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	1.0
10°-20°	289.2	3.0
20°-30°	497.0	5.2
30°-40°	807.0	8.5
40°-50°	1347.3	14.2
50°-60°	2121.4	22.3
60°-70°	2892.8	30.5
70°-80°	1252.3	13.2
80°-90°	188.3	2.0
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°	9493.3	100.0
0°-180°	9493.3	100.0

Coefficient of Utilization



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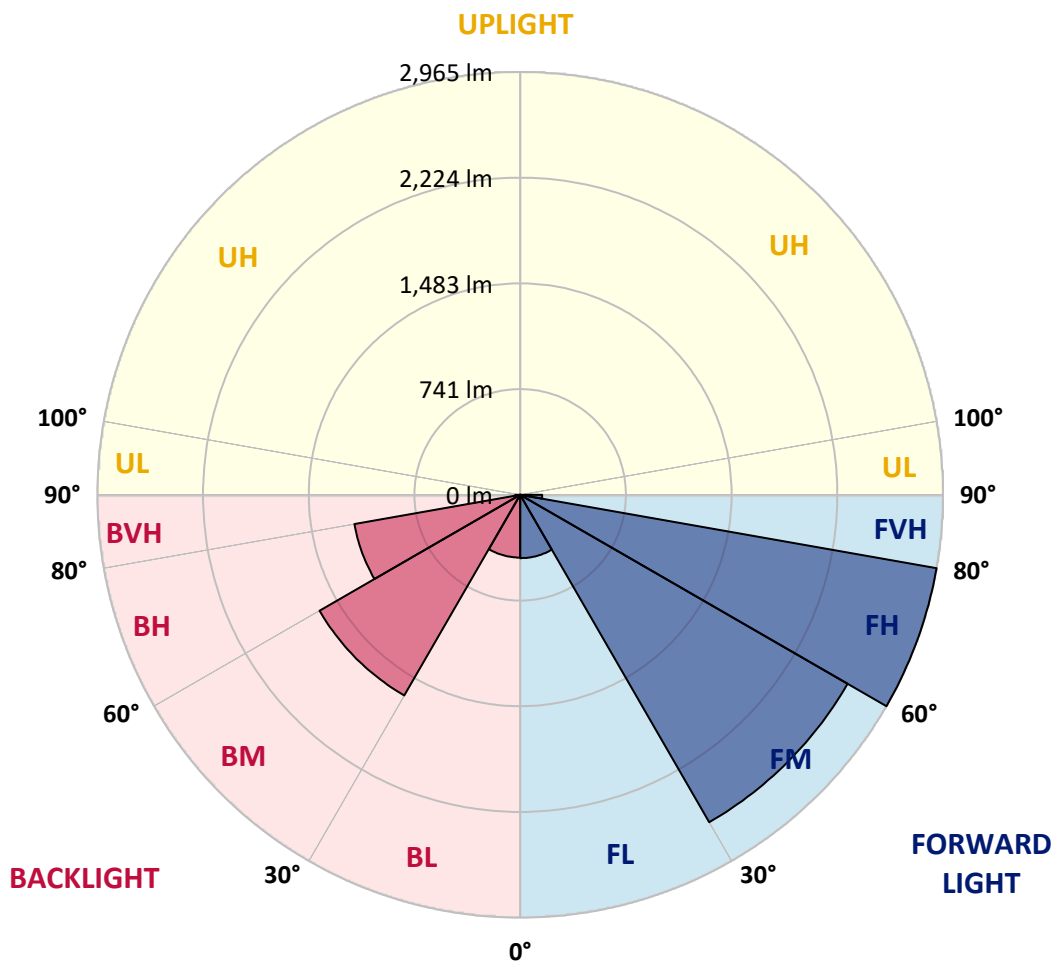
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	444.1	4.7			
FM	(30°-60°)	2651.2	27.9			
FH	(60°-80°)	2965.1	31.2			G2/5000
FVH	(80°-90°)	154.6	1.6			G2/225
BL	(0°-30°)	440.1	4.6	B1/500		
BM	(30°-60°)	1624.5	17.1	B2/2500		
BH	(60°-80°)	1180.0	12.4	B3/2500		G3/2500
BVH	(80°-90°)	33.7	0.4			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0
2.5°	1027.2	1031.2	1027.2	1028.2	1029.2	1028.2	1027.2	1027.2	1024.0	1026.1	1028.2
5°	1023.0	1026.1	1025.1	1026.1	1027.2	1026.1	1025.1	1026.1	1024.0	1025.1	1028.2
7.5°	1017.9	1016.9	1017.9	1020.0	1022.0	1022.0	1022.0	1023.0	1022.0	1022.0	1025.1
10°	1002.5	1003.5	1005.6	1008.7	1009.6	1012.7	1012.7	1015.9	1016.9	1019.0	1023.0
12.5°	983.0	984.0	986.1	988.2	993.3	998.4	998.4	1005.6	1008.7	1013.8	1020.9
15°	968.6	969.6	971.7	973.8	977.9	983.0	986.1	994.3	999.4	1008.7	1019.0
17.5°	976.9	975.9	977.9	978.9	978.9	983.0	983.0	989.1	995.3	1003.5	1016.9
20°	1000.4	1000.4	1002.5	1002.5	1001.5	1003.5	999.4	999.4	1000.4	1004.6	1013.8
22.5°	1024.0	1023.0	1027.2	1029.2	1030.3	1033.3	1029.2	1028.2	1023.0	1020.0	1023.0
25°	1046.6	1045.6	1050.8	1053.8	1059.0	1062.0	1062.0	1062.0	1057.9	1052.7	1049.7
27.5°	1081.6	1081.6	1086.6	1089.7	1093.8	1100.0	1103.1	1103.1	1104.0	1096.9	1091.8
30°	1140.0	1141.0	1142.1	1146.1	1150.3	1152.3	1156.4	1159.5	1162.6	1158.4	1150.3
32.5°	1209.7	1203.6	1203.6	1209.7	1214.9	1221.0	1223.1	1227.3	1233.4	1230.3	1229.2
35°	1292.8	1290.9	1288.8	1290.9	1297.0	1304.1	1312.4	1319.6	1315.4	1321.7	1318.5
37.5°	1416.1	1418.0	1419.1	1419.1	1418.0	1420.1	1424.2	1431.4	1429.3	1431.4	1435.5
40°	1619.2	1612.0	1604.9	1605.9	1595.5	1597.6	1581.2	1588.4	1589.4	1582.3	1585.3
42.5°	1822.4	1826.4	1829.5	1837.7	1830.6	1826.4	1811.1	1811.1	1802.9	1795.6	1793.7
45°	2042.0	2050.2	2051.2	2067.6	2061.5	2074.8	2086.1	2083.0	2069.6	2068.6	2054.3
47.5°	2217.4	2230.8	2245.1	2264.7	2280.0	2309.7	2344.7	2362.1	2372.3	2380.5	2364.1
50°	2348.7	2354.9	2391.8	2422.6	2456.5	2505.7	2554.0	2616.6	2666.8	2690.5	2713.1
52.5°	2419.6	2434.9	2474.9	2523.2	2582.7	2656.6	2734.6	2834.1	2920.3	2977.7	3029.0
55°	2434.9	2450.4	2495.4	2557.1	2638.1	2737.6	2849.5	2985.0	3114.2	3225.1	3332.7
57.5°	2391.8	2409.3	2457.5	2528.3	2623.7	2744.9	2885.4	3062.9	3241.5	3421.0	3580.1
60°	2312.8	2334.4	2378.5	2448.3	2554.0	2690.5	2858.8	3081.3	3331.8	3606.7	3911.5
62.5°	2182.5	2205.1	2246.1	2323.1	2431.9	2582.7	2777.6	3054.7	3408.7	3841.8	4382.5
65°	1973.2	1983.4	2033.8	2111.7	2208.2	2374.4	2588.9	2923.4	3384.1	3986.4	4731.4
66°	1878.8	1896.3	1927.0	1989.6	2082.0	2237.9	2453.4	2793.1	3290.7	3936.2	4722.2
67.5°	1731.1	1744.4	1764.9	1806.9	1863.4	1978.3	2182.5	2503.7	3005.5	3681.7	4526.1
70°	1399.6	1405.8	1433.5	1447.9	1467.4	1505.3	1579.2	1763.8	2154.8	2789.9	3653.0
72.5°	954.3	971.7	1001.5	1042.5	1095.9	1147.2	1182.1	1205.7	1289.8	1664.4	2433.9
75°	699.8	718.2	756.3	810.7	904.0	1010.7	1121.6	1172.8	1137.9	1089.7	1355.4
77.5°	406.3	431.0	462.8	515.1	601.3	742.9	932.7	1101.0	1214.9	1222.1	1160.5
80°	171.4	174.4	193.9	220.6	274.0	373.5	521.2	763.4	1015.9	1186.2	1226.2
82.5°	39.0	48.2	61.6	72.8	89.2	123.1	182.7	303.7	549.0	860.9	1122.6
85°	14.4	14.4	19.5	28.7	32.8	36.9	48.2	77.0	131.3	242.2	504.9
87.5°	0.0	1.0	2.1	2.1	4.1	5.2	8.2	11.3	10.3	9.2	30.8
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0
2.5°	1026.1	1025.1	1023.0	1023.0	1023.0	1023.0	1020.9	1022.0	1020.0	1020.9	1020.9
5°	1025.1	1025.1	1024.0	1022.0	1023.0	1023.0	1024.0	1022.0	1022.0	1023.0	1022.0
7.5°	1025.1	1024.0	1024.0	1024.0	1025.1	1024.0	1025.1	1025.1	1025.1	1026.1	1026.1
10°	1025.1	1025.1	1027.2	1028.2	1028.2	1029.2	1032.2	1032.2	1033.3	1034.3	1036.4
12.5°	1026.1	1030.3	1033.3	1036.4	1037.4	1039.5	1044.6	1044.6	1046.6	1049.7	1050.8
15°	1027.2	1033.3	1039.5	1041.5	1043.5	1047.7	1052.7	1054.8	1057.9	1061.0	1063.0
17.5°	1026.1	1034.3	1041.5	1044.6	1047.7	1052.7	1059.0	1061.0	1065.1	1069.2	1073.3
20°	1025.1	1036.4	1047.7	1051.7	1055.9	1063.0	1071.3	1076.4	1080.5	1086.6	1090.8
22.5°	1031.2	1044.6	1060.0	1066.1	1073.3	1082.6	1093.8	1100.0	1105.1	1111.3	1114.3
25°	1050.8	1061.0	1079.5	1089.7	1099.0	1114.3	1129.7	1136.9	1143.1	1148.2	1149.2
27.5°	1083.5	1086.6	1109.2	1122.6	1135.9	1160.5	1179.0	1184.1	1195.4	1199.5	1198.4
30°	1136.9	1131.8	1150.3	1170.8	1190.3	1224.1	1246.7	1260.1	1270.4	1270.4	1262.1
32.5°	1213.9	1205.7	1210.8	1234.4	1257.0	1306.2	1333.0	1350.4	1357.5	1355.4	1338.0
35°	1314.4	1309.3	1306.2	1324.7	1360.6	1418.0	1453.0	1462.2	1473.5	1471.4	1448.9
37.5°	1433.5	1429.3	1429.3	1450.9	1485.8	1571.0	1608.9	1615.1	1614.1	1597.6	1555.5
40°	1574.1	1572.0	1562.8	1575.0	1604.9	1715.6	1766.9	1775.1	1763.8	1737.2	1688.0
42.5°	1776.2	1763.8	1735.1	1742.3	1764.9	1872.6	1939.4	1961.9	1950.7	1923.9	1843.9
45°	2039.9	2026.5	1978.3	1972.1	1984.5	2078.9	2165.1	2170.3	2168.2	2134.3	2039.9
47.5°	2349.7	2329.2	2277.9	2261.6	2257.4	2344.7	2427.8	2436.0	2430.9	2380.5	2254.4
50°	2685.3	2655.5	2621.7	2610.4	2594.0	2656.6	2740.7	2741.8	2721.2	2651.5	2533.5
52.5°	3043.4	3033.2	3027.0	3015.8	3008.5	3062.9	3114.2	3083.4	3052.6	2979.8	2877.2
55°	3404.7	3446.7	3489.7	3493.9	3506.2	3564.7	3563.6	3479.5	3457.0	3416.9	3315.3
57.5°	3788.4	3944.4	4079.8	4121.9	4162.9	4271.7	4261.5	4178.3	4149.5	4100.3	4016.2
60°	4310.7	4731.4	5122.3	5215.6	5280.3	5410.7	5398.3	5270.1	5329.6	5325.5	5216.7
62.5°	5042.3	5742.1	6328.0	6471.6	6516.8	6531.2	6453.2	6314.6	6373.2	6438.9	6104.4
65°	5537.9	6360.8	6962.2	7073.0	7079.1	6907.8	6734.3	6571.2	6556.8	6500.4	6022.2
66°	5549.2	6391.6	6994.9	7102.7	7064.8	6830.8	6611.2	6447.0	6376.3	6252.0	5756.5
67.5°	5350.2	6199.7	6849.2	6963.1	6880.0	6548.6	6245.9	6034.5	5896.0	5694.9	5257.7
70°	4493.3	5335.8	6136.1	6348.5	6375.2	5880.6	5460.9	5212.6	5025.9	4749.8	4373.3
72.5°	3341.0	4102.4	4808.3	5011.5	5115.1	4720.1	4366.1	4177.3	3921.8	3631.4	3363.5
75°	2094.3	2631.9	3105.0	3247.7	3150.2	2844.4	2631.9	2553.0	2301.6	2128.2	2006.0
77.5°	1197.5	1365.7	1403.7	1349.3	1234.4	945.1	672.1	497.6	432.0	478.1	527.5
80°	1168.7	1071.3	853.7	751.1	680.3	467.9	275.0	188.8	157.0	161.1	174.4
82.5°	1266.2	1358.5	1118.4	912.2	765.5	517.2	285.3	151.8	102.6	121.0	136.5
85°	822.9	1145.2	1031.2	869.1	703.9	442.3	235.0	79.0	52.3	68.7	94.4
87.5°	83.1	91.3	78.0	105.7	79.0	36.9	18.4	11.3	10.3	12.3	18.4
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0
2.5°	1022.0	1022.0	1023.0	1024.0	1025.1	1026.1	1026.1	1026.1	1026.1	1028.2	1027.2
5°	1024.0	1026.1	1028.2	1029.2	1031.2	1031.2	1034.3	1033.3	1033.3	1036.4	1037.4
7.5°	1028.2	1031.2	1035.3	1034.3	1038.4	1037.4	1039.5	1039.5	1036.4	1037.4	1035.3
10°	1037.4	1041.5	1043.5	1040.5	1041.5	1037.4	1036.4	1031.2	1025.1	1022.0	1017.9
12.5°	1052.7	1056.9	1056.9	1051.7	1045.6	1036.4	1029.2	1017.9	1008.7	1003.5	998.4
15°	1066.1	1070.3	1069.2	1061.0	1051.7	1037.4	1027.2	1013.8	1000.4	992.2	987.2
17.5°	1076.4	1078.4	1075.3	1064.0	1053.8	1040.5	1030.3	1015.9	1000.4	990.2	980.9
20°	1091.8	1089.7	1082.6	1068.2	1056.9	1044.6	1036.4	1024.0	1006.6	993.3	979.9
22.5°	1114.3	1106.1	1092.8	1077.4	1066.1	1054.8	1046.6	1033.3	1015.9	999.4	984.0
25°	1144.1	1127.7	1109.2	1092.8	1082.6	1070.3	1061.0	1046.6	1028.2	1009.6	991.2
27.5°	1187.3	1158.4	1134.9	1120.5	1109.2	1093.8	1082.6	1064.0	1044.6	1023.0	1002.5
30°	1235.4	1196.5	1173.9	1162.6	1150.3	1133.9	1116.4	1092.8	1070.3	1046.6	1022.0
32.5°	1298.0	1250.8	1229.2	1218.0	1201.6	1181.0	1160.5	1133.9	1102.1	1071.3	1041.5
35°	1380.1	1331.9	1309.3	1291.9	1269.3	1242.6	1212.8	1176.9	1133.9	1092.8	1054.8
37.5°	1468.4	1416.1	1394.5	1376.0	1342.2	1307.3	1265.2	1212.8	1154.4	1100.0	1052.7
40°	1580.2	1532.0	1504.2	1472.4	1432.4	1371.9	1306.2	1230.3	1155.4	1088.7	1033.3
42.5°	1721.8	1673.6	1632.5	1582.3	1512.4	1419.1	1325.7	1227.3	1136.9	1061.0	1001.5
45°	1909.5	1851.1	1780.3	1692.0	1579.2	1448.9	1326.7	1207.8	1102.1	1017.9	954.3
47.5°	2139.4	2050.2	1934.2	1785.4	1623.3	1457.1	1310.4	1168.7	1047.7	956.4	885.5
50°	2412.3	2271.8	2080.9	1862.4	1645.9	1444.8	1269.3	1110.3	970.7	873.3	789.1
52.5°	2724.4	2494.5	2213.3	1917.8	1644.9	1403.7	1199.5	1022.0	870.2	761.3	681.3
55°	3090.7	2748.9	2349.7	1958.9	1616.2	1327.8	1092.8	897.8	746.0	645.4	571.5
57.5°	3627.3	3161.5	2587.9	2022.5	1558.7	1210.8	948.1	749.0	615.6	520.2	457.6
60°	4608.3	3849.9	3016.8	2150.7	1470.4	1039.5	778.9	590.1	478.1	401.2	359.2
62.5°	5347.0	4382.5	3248.6	2122.0	1292.8	828.1	577.7	429.9	351.9	299.6	273.0
65°	5241.3	4217.3	3001.3	1827.5	1013.8	583.8	383.7	292.4	242.2	217.5	202.2
66°	5002.3	4001.8	2786.9	1644.9	876.3	485.4	316.1	245.3	208.3	190.9	180.6
67.5°	4548.7	3601.7	2403.1	1348.3	673.2	351.9	238.0	193.9	169.3	162.2	154.9
70°	3781.2	2872.0	1686.9	785.0	343.7	196.0	150.9	135.4	129.3	128.3	126.2
72.5°	2897.7	2032.7	993.3	371.4	178.5	130.4	117.0	111.8	109.8	109.8	110.8
75°	1776.2	1142.1	439.2	181.7	125.2	109.8	103.6	101.6	100.5	101.6	100.5
77.5°	593.1	363.2	187.8	137.5	113.9	101.6	97.5	95.4	95.4	95.4	95.4
80°	181.7	158.0	143.6	127.3	107.8	96.5	90.3	89.2	90.3	91.3	88.3
82.5°	136.5	129.3	121.0	112.8	97.5	86.2	84.1	84.1	84.1	81.0	77.0
85°	100.5	99.5	82.1	77.0	71.8	71.8	71.8	71.8	68.7	63.6	59.5
87.5°	18.4	17.4	18.4	19.5	28.7	30.8	30.8	32.8	36.0	33.9	33.9
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):

	160°	165°	170°	175°	180°
0°	1023.0	1023.0	1023.0	1023.0	1023.0
2.5°	1027.2	1026.1	1029.2	1027.2	1028.2
5°	1036.4	1035.3	1037.4	1035.3	1038.4
7.5°	1033.3	1031.2	1030.3	1031.2	1032.2
10°	1011.7	1009.6	1008.7	1007.7	1008.7
12.5°	993.3	989.1	989.1	987.2	988.2
15°	979.9	976.9	975.9	973.8	974.8
17.5°	973.8	968.6	966.6	964.6	964.6
20°	969.6	963.5	960.4	958.3	957.3
22.5°	969.6	960.4	956.4	954.3	953.3
25°	973.8	962.5	956.4	953.3	952.2
27.5°	982.0	967.7	960.4	956.4	956.4
30°	996.4	977.9	967.7	962.5	961.5
32.5°	1010.7	986.1	971.7	965.6	963.5
35°	1017.9	986.1	968.6	958.3	956.4
37.5°	1009.6	972.7	951.2	935.9	932.7
40°	984.0	945.1	921.5	907.0	905.0
42.5°	950.2	912.2	884.5	874.2	871.2
45°	904.0	858.9	831.2	816.8	817.8
47.5°	825.0	778.9	754.2	740.8	742.9
50°	731.6	686.4	664.9	650.6	653.7
52.5°	629.0	588.0	567.5	560.2	558.2
55°	521.2	489.4	475.1	466.8	463.8
57.5°	422.8	400.2	389.9	379.7	380.7
60°	333.5	322.2	319.1	307.9	306.8
62.5°	262.7	255.5	252.4	244.2	245.3
65°	199.1	197.0	199.1	193.9	196.0
66°	179.6	180.6	180.6	177.5	179.6
67.5°	154.9	157.0	160.1	157.0	159.1
70°	128.3	130.4	132.3	132.3	132.3
72.5°	111.8	113.9	114.9	114.9	114.9
75°	102.6	103.6	104.7	102.6	102.6
77.5°	96.5	96.5	94.4	93.4	92.3
80°	87.3	86.2	83.1	81.0	81.0
82.5°	72.8	70.8	68.7	65.7	65.7
85°	55.4	53.4	51.3	47.2	45.2
87.5°	28.7	29.7	28.7	23.6	20.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)