

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: P148608

Luminaire Tested: **AVS-E02-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148608
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E02-LED-E-U-5XQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5368.4 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 52.1
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: 28.75 FT



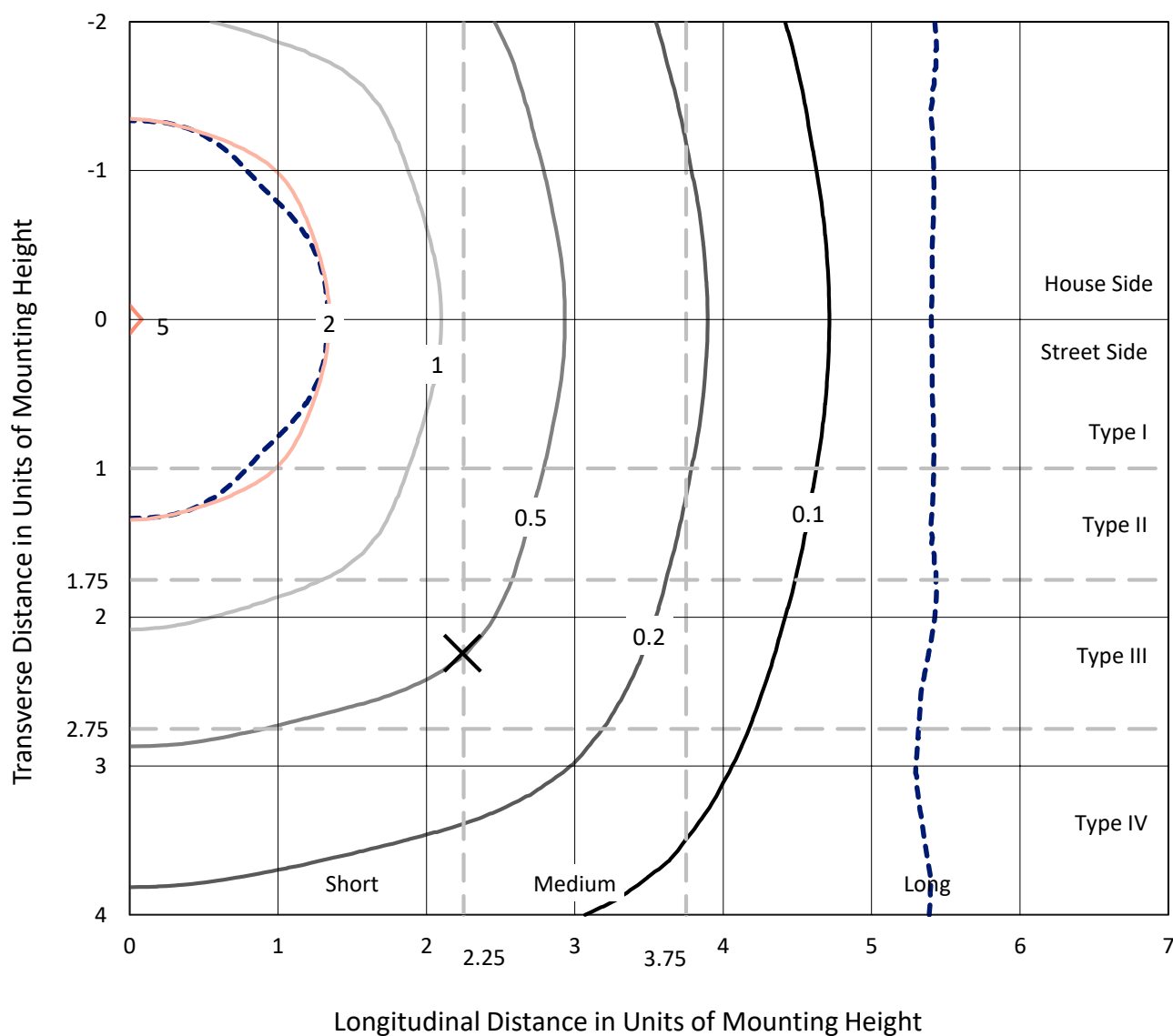
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

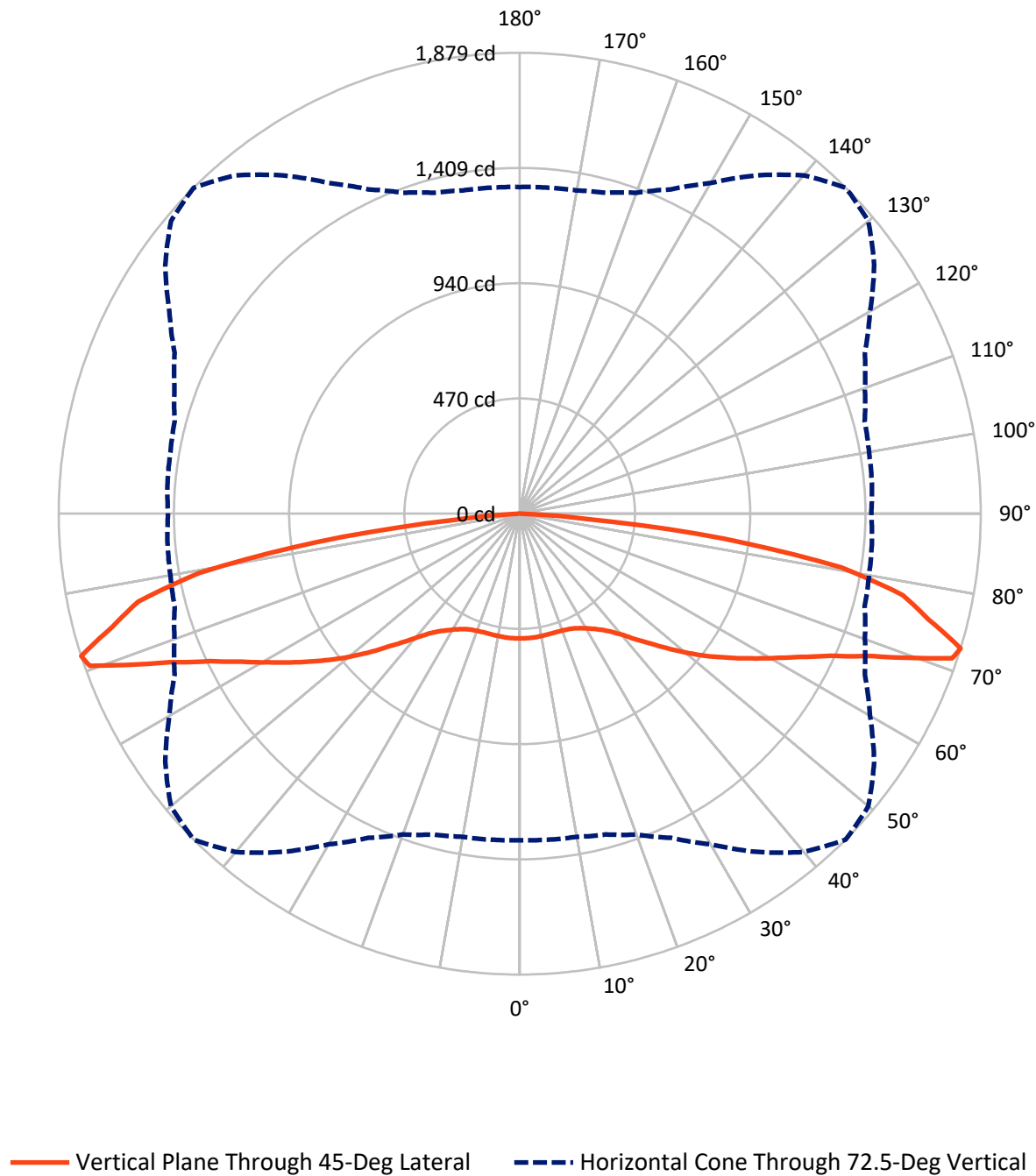


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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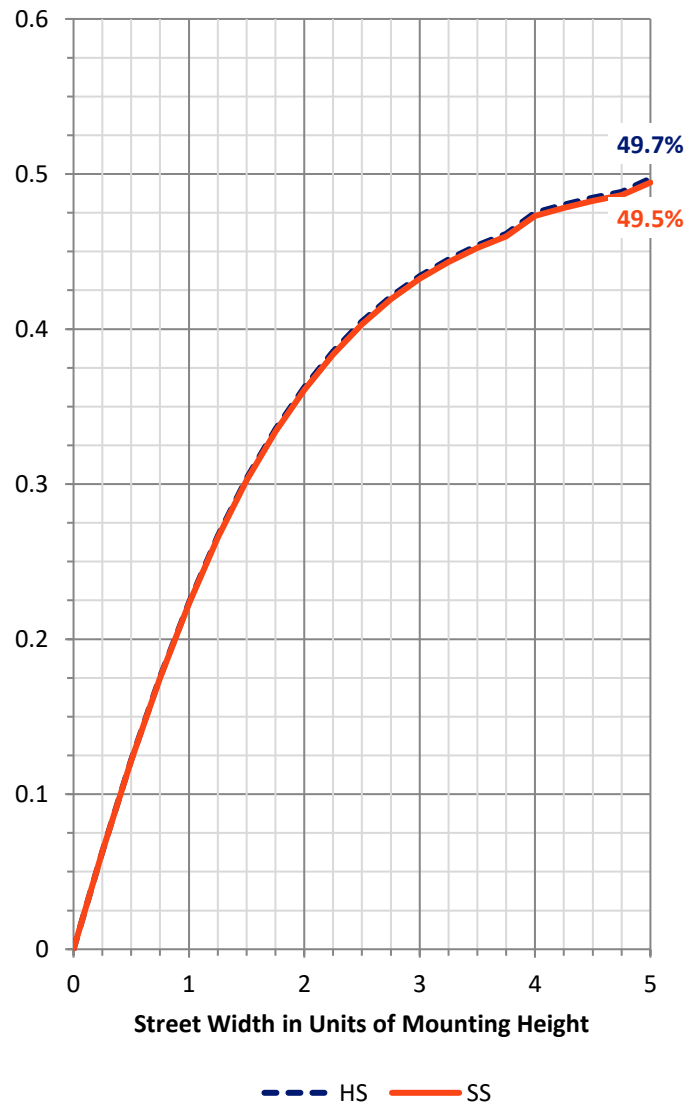
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2684.2	0.0	2684.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2684.2	0.0	2684.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5368.4	0.0	5368.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	0.9
10°-20°	143.4	2.7
20°-30°	240.1	4.5
30°-40°	366.1	6.8
40°-50°	584.5	10.9
50°-60°	898.8	16.7
60°-70°	1308.6	24.4
70°-80°	1474.1	27.5
80°-90°	304.3	5.7
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°	5368.4	100.0
0°-180°	5368.4	100.0

Coefficient of Utilization



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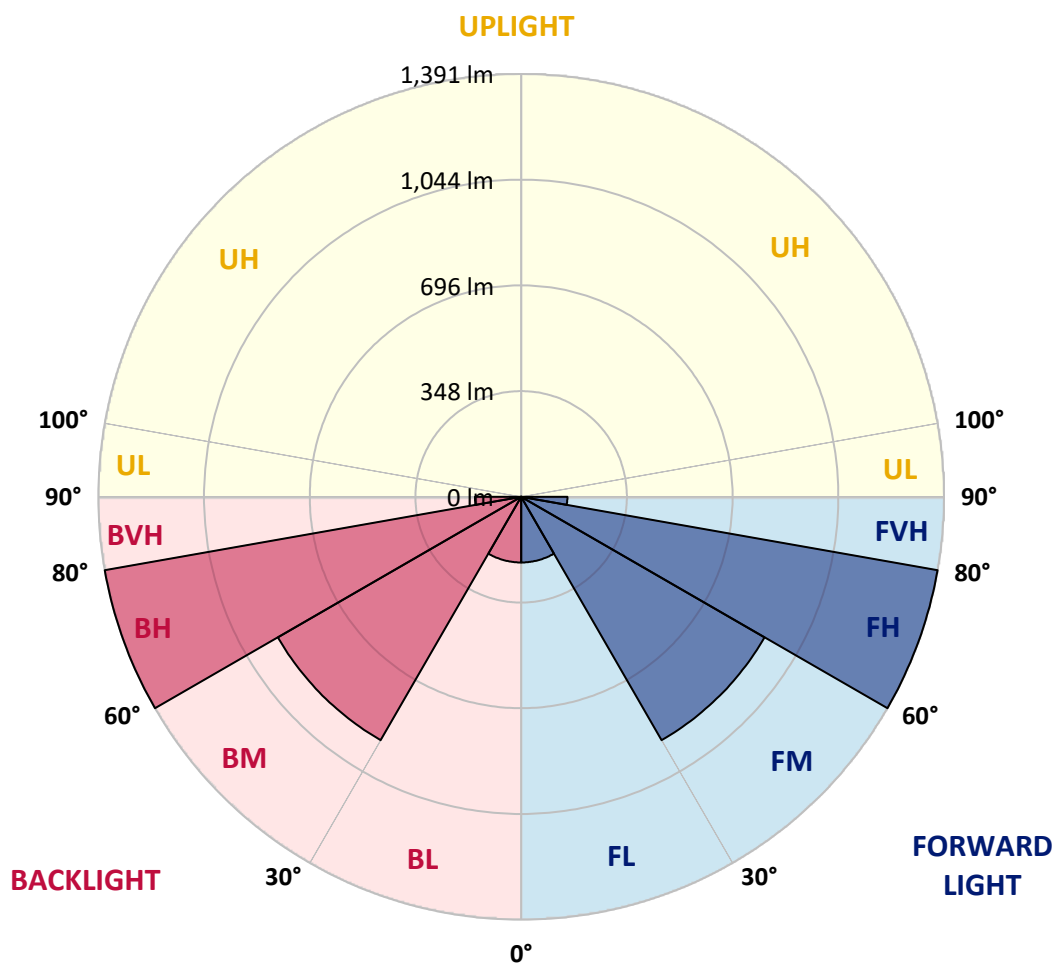
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.0	4.0			
FM	(30°-60°)	924.7	17.2			
FH	(60°-80°)	1391.4	25.9			G1/1800
FVH	(80°-90°)	152.2	2.8			G2/225
BL	(0°-30°)	216.0	4.0	B1/500		
BM	(30°-60°)	924.7	17.2	B1/1000		
BH	(60°-80°)	1391.4	25.9	B3/2500		G1/1800
BVH	(80°-90°)	152.2	2.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	509.4	509.8	509.6	509.3	509.5	509.3	509.1	508.9	508.0	508.5	509.3
5°	509.4	509.2	509.0	508.9	508.9	509.3	508.9	508.5	508.4	508.6	508.2
7.5°	509.2	508.6	508.4	508.2	508.4	508.5	508.1	507.6	508.0	507.6	506.9
10°	508.4	508.0	508.1	507.6	507.7	507.6	506.9	506.5	506.8	506.3	505.7
12.5°	508.6	508.0	507.8	507.6	507.4	507.3	506.5	505.8	506.0	505.7	505.0
15°	508.6	508.2	508.1	507.6	507.4	507.2	506.2	506.0	506.0	505.5	504.7
17.5°	508.9	508.6	508.6	508.0	507.7	507.6	506.5	506.1	506.5	505.7	505.1
20°	509.7	509.4	509.6	509.2	508.6	508.6	508.0	507.7	507.8	507.7	506.1
22.5°	511.5	511.5	511.7	511.6	511.5	511.6	511.0	511.1	511.2	511.2	509.9
25°	516.3	516.1	516.4	516.4	516.5	517.5	517.1	516.9	517.7	517.7	516.4
27.5°	525.2	525.0	525.3	525.6	526.2	527.5	527.3	527.7	528.7	528.5	527.4
30°	535.6	535.3	536.1	536.9	537.5	539.5	538.7	540.7	541.7	542.6	541.7
32.5°	550.9	550.9	552.1	552.6	554.0	556.0	556.2	557.8	559.2	560.5	559.6
35°	571.1	570.8	571.8	572.8	574.3	576.2	576.9	579.1	581.1	582.1	580.3
37.5°	602.1	600.5	602.3	602.9	604.1	604.6	606.5	609.3	611.4	611.2	609.9
40°	643.9	643.7	642.9	642.1	644.1	644.8	644.8	648.6	652.0	651.4	651.3
42.5°	693.0	691.7	690.8	690.8	691.9	692.2	696.6	699.4	701.8	702.4	701.8
45°	745.5	744.2	744.6	743.9	744.5	746.2	748.8	754.0	758.4	758.5	756.3
47.5°	802.1	798.1	801.2	796.9	799.6	800.9	807.3	814.8	822.8	824.1	822.1
50°	859.5	859.1	858.8	857.9	859.2	862.3	870.1	882.0	889.5	894.6	891.2
52.5°	922.2	920.1	919.1	917.7	919.0	925.0	935.9	946.3	959.9	965.6	961.0
55°	983.2	982.6	978.9	978.8	981.5	990.9	1002.7	1015.4	1030.3	1036.7	1035.0
57.5°	1046.0	1041.9	1040.8	1039.1	1044.5	1053.3	1067.8	1090.9	1106.2	1113.6	1109.2
60°	1107.4	1104.2	1101.9	1101.2	1104.9	1117.3	1138.1	1165.8	1184.9	1194.4	1187.7
62.5°	1173.2	1171.2	1168.3	1165.2	1172.8	1188.8	1214.6	1245.4	1273.3	1285.2	1274.8
65°	1255.0	1251.0	1247.9	1243.7	1250.2	1270.1	1302.6	1345.7	1383.3	1397.1	1389.7
67.5°	1341.3	1337.6	1337.9	1335.3	1346.5	1374.3	1416.2	1474.8	1525.2	1548.7	1534.9
70°	1416.8	1418.9	1419.5	1429.7	1449.1	1491.3	1561.1	1653.0	1729.3	1765.2	1750.5
71°	1394.6	1399.2	1406.3	1417.1	1450.6	1500.5	1595.6	1706.9	1798.1	1858.9	1838.5
72.5°	1331.6	1334.3	1338.0	1354.3	1392.1	1458.3	1556.3	1683.5	1800.6	1879.3	1855.6
75°	1240.4	1243.1	1244.4	1255.8	1290.2	1347.9	1437.6	1550.5	1653.8	1720.8	1714.2
77.5°	1102.8	1103.2	1113.1	1130.7	1169.3	1235.3	1329.8	1446.8	1544.0	1596.2	1563.1
80°	791.9	786.6	796.7	819.4	867.2	942.9	1039.7	1173.3	1281.1	1329.8	1278.7
82.5°	301.3	317.6	343.4	380.7	397.0	481.0	571.4	649.8	740.7	842.3	816.9
85°	32.3	36.5	45.7	56.7	71.6	99.1	136.9	186.8	230.3	270.7	240.2
87.5°	12.0	12.3	13.8	15.9	16.2	16.9	18.0	20.9	19.6	16.9	13.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	508.6	508.6	508.6	508.6	508.6	508.6	508.6	508.6
2.5°	508.6	508.8	508.6	508.8	508.8	508.2	508.4	508.1
5°	508.5	508.1	508.2	508.4	508.2	508.5	508.1	508.4
7.5°	507.8	506.9	507.3	507.3	506.9	507.4	507.0	506.9
10°	506.3	505.3	505.8	505.5	505.4	505.5	505.6	505.5
12.5°	505.2	504.5	504.6	504.5	504.2	504.7	504.6	504.7
15°	504.9	503.7	503.6	503.3	503.4	503.7	503.7	504.1
17.5°	504.6	503.2	503.0	502.8	502.9	503.4	503.6	503.3
20°	505.4	504.2	504.0	503.7	503.6	504.2	504.1	504.1
22.5°	509.3	508.0	507.8	506.6	506.2	506.7	506.4	506.3
25°	515.6	514.0	513.4	511.8	510.8	510.8	510.4	510.1
27.5°	527.0	524.6	523.9	522.7	521.1	521.5	520.6	520.4
30°	540.3	538.0	536.1	534.3	532.4	531.7	530.8	530.6
32.5°	557.6	555.0	552.7	550.5	547.9	546.8	545.2	544.5
35°	578.9	575.5	572.6	571.1	568.6	567.3	566.2	567.5
37.5°	608.5	604.5	603.1	601.2	599.5	597.5	597.9	597.6
40°	649.5	645.9	644.6	641.2	640.8	638.5	640.0	638.5
42.5°	700.4	693.6	692.6	690.1	689.2	688.0	688.5	687.7
45°	755.6	749.6	748.5	744.4	744.6	741.6	742.7	742.8
47.5°	817.8	811.5	806.3	803.3	802.2	800.4	801.3	801.2
50°	882.0	873.4	867.6	861.9	859.3	860.1	858.0	861.3
52.5°	950.9	938.0	929.9	924.5	919.7	920.6	920.9	921.9
55°	1022.2	1005.9	994.1	986.9	982.6	982.8	984.0	985.3
57.5°	1093.9	1073.6	1057.5	1046.8	1044.0	1045.3	1045.3	1045.2
60°	1168.4	1143.8	1123.2	1111.1	1108.6	1107.9	1113.4	1111.5
62.5°	1248.3	1218.9	1197.5	1182.0	1178.3	1180.9	1185.8	1184.7
65°	1354.2	1313.6	1286.0	1270.7	1264.5	1266.9	1273.6	1273.4
67.5°	1490.8	1434.0	1397.5	1377.8	1373.3	1376.4	1380.1	1383.6
70°	1695.0	1613.9	1561.8	1519.2	1500.9	1497.4	1501.0	1501.1
71°	1766.8	1673.6	1590.8	1538.8	1508.8	1496.2	1497.1	1490.8
72.5°	1763.9	1649.0	1552.1	1497.6	1456.0	1445.9	1441.0	1433.4
75°	1645.1	1541.6	1457.4	1398.0	1357.9	1346.0	1337.3	1336.9
77.5°	1491.9	1415.5	1322.8	1259.9	1211.2	1191.3	1182.4	1182.2
80°	1199.4	1085.0	1017.2	979.3	920.4	903.3	885.4	878.5
82.5°	725.3	566.7	460.8	409.5	381.0	313.8	281.7	266.4
85°	168.9	120.0	82.7	54.3	39.2	31.1	23.8	21.1
87.5°	11.4	9.0	8.1	6.4	5.0	4.8	2.9	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)