

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: P148609

Luminaire Tested: **AVS-E02-LED-E-U-5XQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148609
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-7030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5809.6 lumens
Efficiency: N/A
Efficacy: 111.5 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



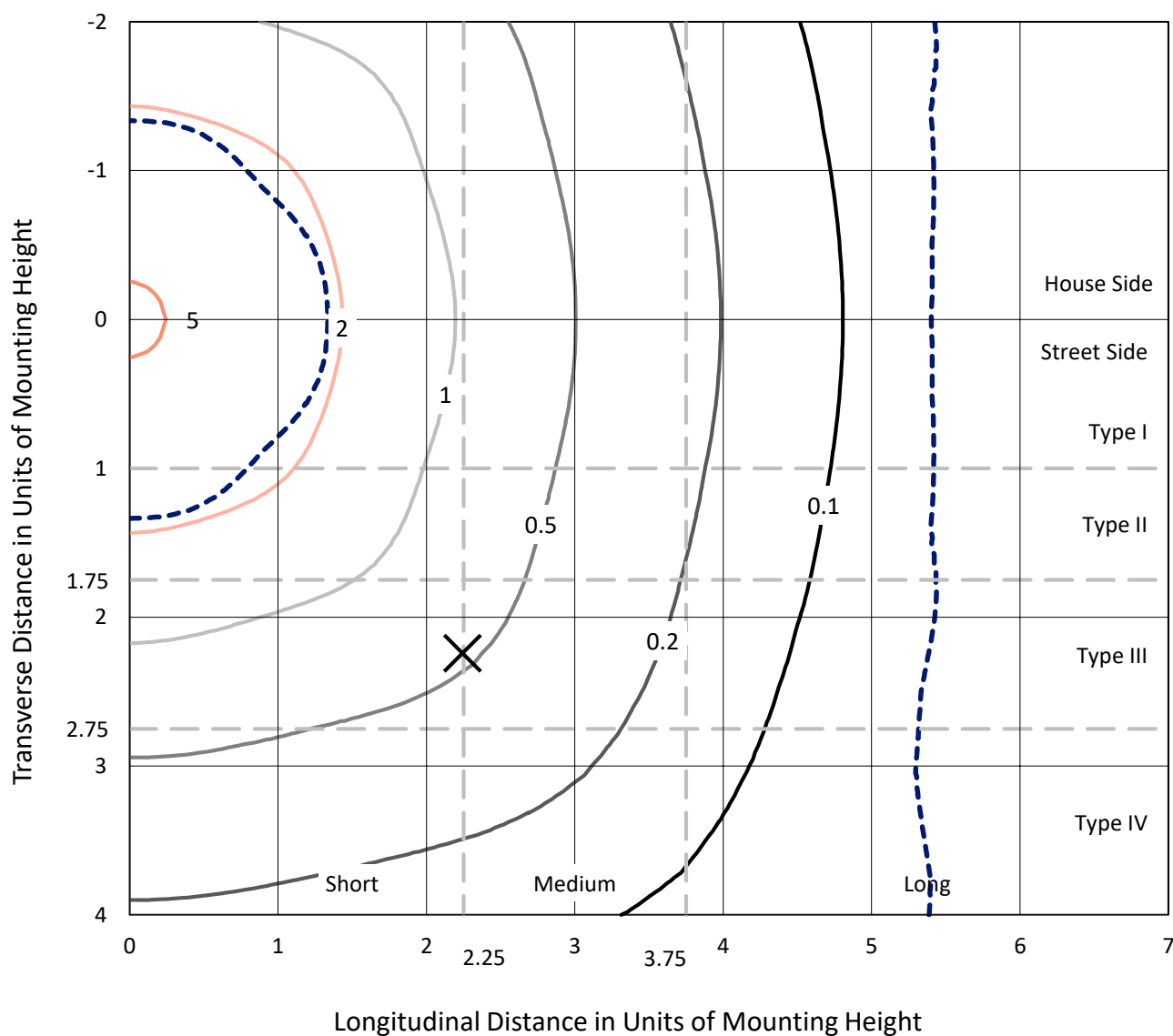
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

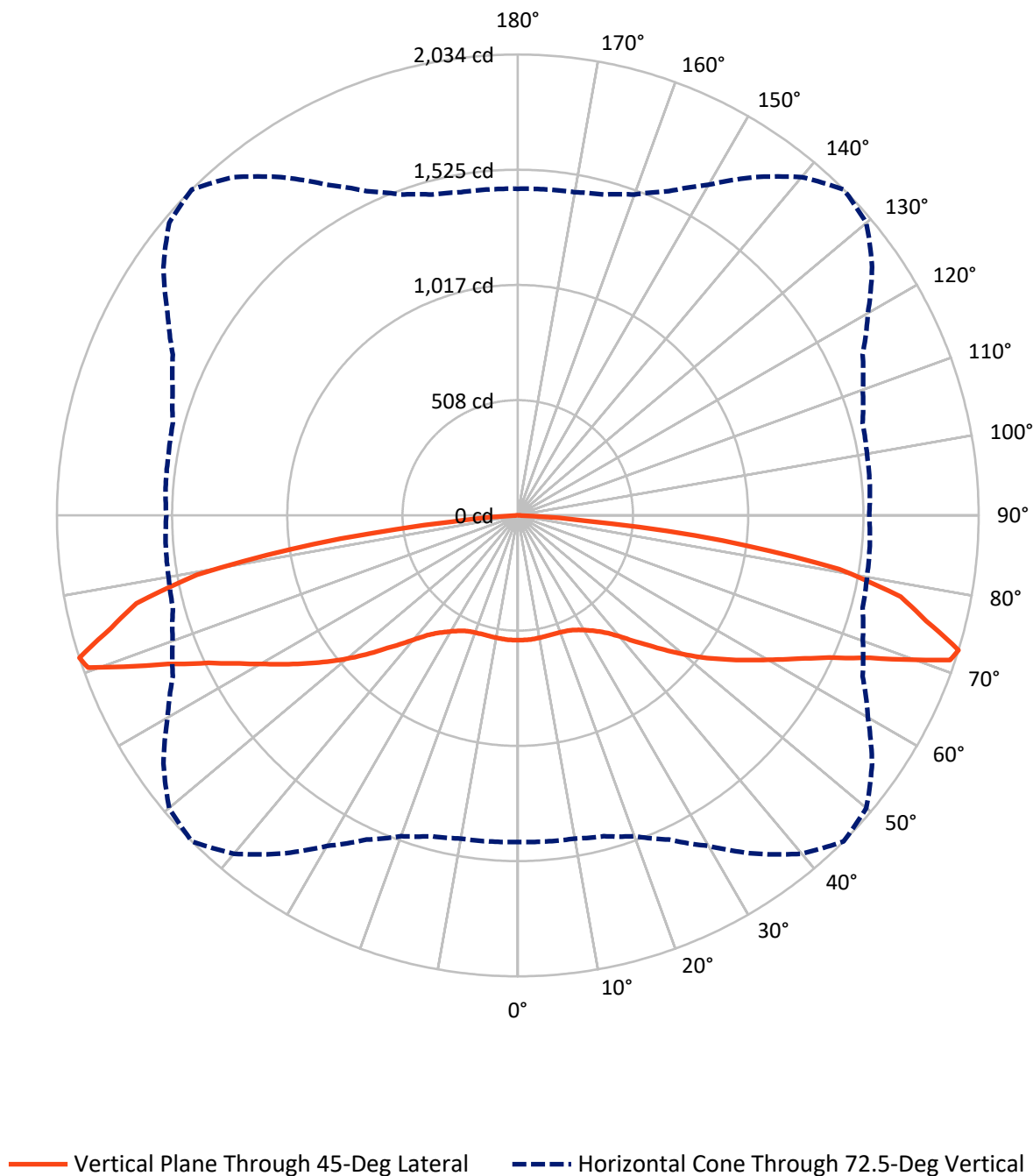


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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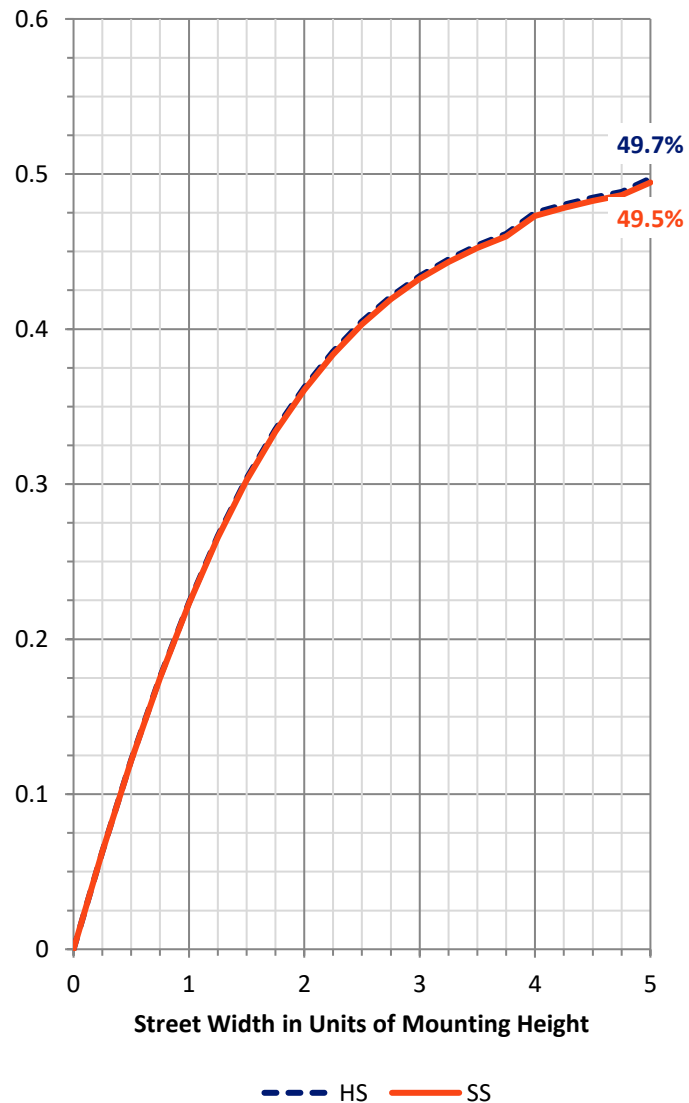
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2904.8	0.0	2904.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2904.8	0.0	2904.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5809.6	0.0	5809.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	0.9
10°-20°	155.2	2.7
20°-30°	259.9	4.5
30°-40°	396.2	6.8
40°-50°	632.6	10.9
50°-60°	972.6	16.7
60°-70°	1416.2	24.4
70°-80°	1595.3	27.5
80°-90°	329.3	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°	5809.6	100.0
0°-180°	5809.6	100.0

Coefficient of Utilization



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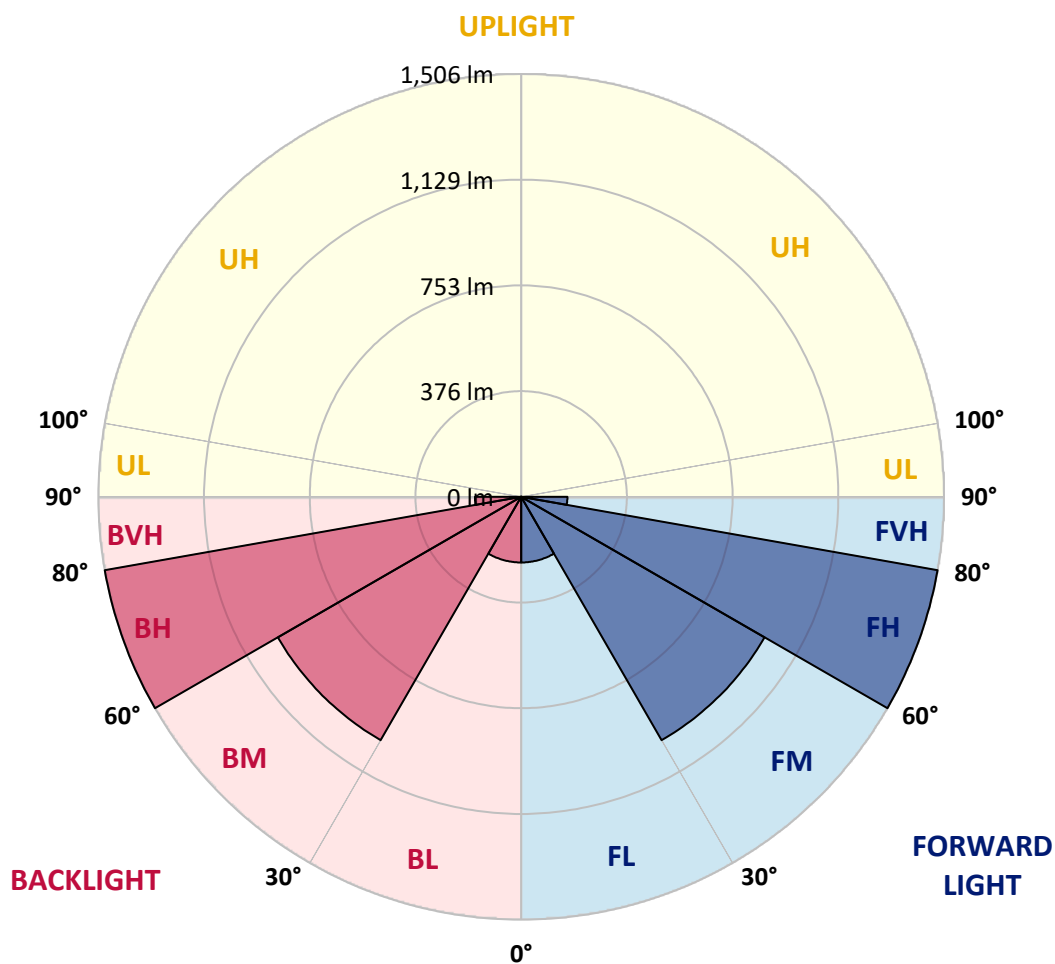
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.8	4.0			
FM	(30°-60°)	1000.7	17.2			
FH	(60°-80°)	1505.7	25.9			G1/1800
FVH	(80°-90°)	164.7	2.8			G2/225
BL	(0°-30°)	233.8	4.0	B1/500		
BM	(30°-60°)	1000.7	17.2	B2/2500		
BH	(60°-80°)	1505.7	25.9	B3/2500		G1/1800
BVH	(80°-90°)	164.7	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°	550.5	550.5	550.5	550.5	550.5	550.5	550.5	550.5	550.5	550.5	550.5
2.5°	551.3	551.7	551.5	551.2	551.4	551.2	550.9	550.7	549.6	550.3	551.2
5°	551.3	551.1	550.9	550.8	550.8	551.2	550.8	550.3	550.2	550.5	550.1
7.5°	551.1	550.5	550.2	550.1	550.2	550.3	549.8	549.2	549.6	549.2	548.6
10°	550.2	549.6	549.8	549.2	549.4	549.2	548.6	548.2	548.4	548.0	547.3
12.5°	550.5	549.6	549.5	549.2	549.0	548.9	548.2	547.4	547.6	547.3	546.5
15°	550.5	550.1	549.8	549.2	549.0	548.8	547.9	547.6	547.6	547.2	546.2
17.5°	550.8	550.5	550.5	549.6	549.4	549.2	548.2	547.8	548.2	547.3	546.6
20°	551.7	551.4	551.5	551.1	550.5	550.5	549.6	549.4	549.5	549.4	547.8
22.5°	553.5	553.5	553.8	553.6	553.5	553.6	553.1	553.1	553.2	553.2	551.8
25°	558.7	558.5	558.8	558.9	559.0	560.0	559.6	559.4	560.2	560.2	558.9
27.5°	568.4	568.1	568.4	568.7	569.4	570.9	570.6	571.0	572.2	571.9	570.7
30°	579.7	579.4	580.1	581.0	581.7	583.7	582.8	585.2	586.2	587.2	586.2
32.5°	596.1	596.1	597.5	598.1	599.5	601.6	601.9	603.7	605.1	606.6	605.6
35°	618.0	617.7	618.9	619.9	621.6	623.5	624.2	626.7	628.8	629.9	628.0
37.5°	651.6	649.8	651.8	652.4	653.8	654.3	656.4	659.5	661.8	661.5	660.1
40°	696.9	696.6	695.9	694.9	697.1	697.8	697.8	701.9	705.5	705.0	704.9
42.5°	749.8	748.5	747.6	747.6	748.8	749.1	753.8	756.9	759.4	760.1	759.5
45°	806.8	805.4	805.8	805.2	805.6	807.6	810.3	816.0	820.8	820.9	818.3
47.5°	868.0	863.7	867.0	862.4	865.3	866.7	873.6	881.9	890.4	891.9	889.6
50°	930.2	929.6	929.3	928.4	929.7	933.2	941.6	954.4	962.7	968.2	964.6
52.5°	997.9	995.6	994.6	993.2	994.5	1001.0	1012.7	1024.0	1038.8	1045.0	1040.0
55°	1064.0	1063.3	1059.3	1059.2	1062.1	1072.3	1085.1	1098.9	1114.9	1121.9	1120.1
57.5°	1131.9	1127.6	1126.3	1124.6	1130.3	1139.9	1155.5	1180.5	1197.1	1205.0	1200.4
60°	1198.3	1195.0	1192.3	1191.7	1195.8	1209.1	1231.7	1261.7	1282.3	1292.5	1285.3
62.5°	1269.6	1267.5	1264.4	1260.9	1269.2	1286.4	1314.4	1347.7	1377.9	1390.7	1379.6
65°	1358.1	1353.8	1350.4	1346.0	1352.8	1374.4	1409.6	1456.4	1497.0	1511.9	1504.0
67.5°	1451.6	1447.5	1447.9	1445.1	1457.2	1487.3	1532.6	1596.1	1650.6	1676.0	1661.0
70°	1533.3	1535.5	1536.1	1547.3	1568.2	1613.9	1689.3	1788.8	1871.5	1910.3	1894.3
71°	1509.2	1514.2	1522.0	1533.5	1569.7	1623.7	1726.8	1847.3	1945.9	2011.7	1989.6
72.5°	1441.0	1444.0	1448.0	1465.6	1506.5	1578.1	1684.2	1821.9	1948.6	2033.8	2008.2
75°	1342.4	1345.2	1346.5	1359.0	1396.3	1458.7	1555.8	1677.8	1789.6	1862.2	1855.0
77.5°	1193.5	1193.9	1204.6	1223.6	1265.5	1336.8	1439.2	1565.8	1671.0	1727.3	1691.6
80°	857.0	851.2	862.2	886.7	938.4	1020.3	1125.1	1269.7	1386.4	1439.2	1383.7
82.5°	326.0	343.7	371.6	412.0	429.6	520.6	618.3	703.2	801.7	911.5	883.9
85°	35.0	39.5	49.4	61.3	77.5	107.2	148.2	202.2	249.1	292.8	260.0
87.5°	13.1	13.4	14.9	17.2	17.5	18.2	19.5	22.7	21.1	18.2	14.7
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°	550.5	550.5	550.5	550.5	550.5	550.5	550.5	550.5
2.5°	550.5	550.6	550.5	550.6	550.6	549.9	550.2	549.8
5°	550.3	549.8	550.1	550.2	550.1	550.3	549.8	550.1
7.5°	549.5	548.6	548.9	548.9	548.6	549.1	548.8	548.6
10°	548.0	546.7	547.4	547.2	546.9	547.2	547.2	547.2
12.5°	546.6	545.9	546.0	545.9	545.7	546.1	546.0	546.1
15°	546.3	545.1	545.0	544.7	544.9	545.2	545.1	545.5
17.5°	546.0	544.5	544.4	544.0	544.2	544.9	545.0	544.7
20°	546.9	545.7	545.5	545.1	545.0	545.7	545.6	545.5
22.5°	551.2	549.6	549.5	548.3	547.9	548.3	548.0	548.0
25°	558.1	556.3	555.6	554.0	552.7	552.7	552.2	551.9
27.5°	570.4	567.7	567.0	565.7	563.9	564.4	563.4	563.3
30°	584.7	582.3	580.1	578.1	576.2	575.4	574.3	574.2
32.5°	603.4	600.7	598.1	595.6	593.0	591.8	590.1	589.0
35°	626.4	622.8	619.7	618.0	615.3	613.9	612.7	614.1
37.5°	658.5	654.1	652.6	650.6	648.8	646.6	647.0	646.6
40°	703.0	699.1	697.5	694.0	693.6	691.1	692.6	691.1
42.5°	757.9	750.6	749.5	746.8	745.9	744.6	745.2	744.0
45°	817.8	811.2	809.9	805.6	805.7	802.5	803.7	803.7
47.5°	885.1	878.1	872.5	869.3	868.2	866.1	867.3	867.0
50°	954.4	945.2	939.0	932.6	929.9	930.7	928.6	932.2
52.5°	1029.0	1015.1	1006.3	1000.4	995.2	996.3	996.6	997.7
55°	1106.2	1088.6	1075.8	1068.0	1063.3	1063.6	1065.0	1066.2
57.5°	1183.8	1161.8	1144.5	1132.8	1129.8	1131.2	1131.2	1131.0
60°	1264.4	1237.9	1215.5	1202.5	1199.7	1199.0	1204.8	1202.9
62.5°	1350.9	1319.1	1295.9	1279.2	1275.2	1277.9	1283.2	1282.1
65°	1465.5	1421.5	1391.7	1375.0	1368.3	1371.1	1378.2	1377.9
67.5°	1613.3	1551.8	1512.3	1491.1	1486.2	1489.5	1493.5	1497.2
70°	1834.3	1746.4	1690.2	1644.0	1624.2	1620.4	1624.5	1624.6
71°	1912.1	1811.2	1721.5	1665.2	1632.7	1619.1	1620.1	1613.3
72.5°	1908.9	1784.5	1679.6	1620.7	1575.6	1564.8	1559.4	1551.1
75°	1780.3	1668.2	1577.2	1513.0	1469.5	1456.6	1447.3	1446.7
77.5°	1614.5	1531.8	1431.5	1363.5	1310.7	1289.2	1279.6	1279.4
80°	1297.8	1174.1	1100.7	1059.8	996.0	977.6	958.1	950.8
82.5°	784.9	613.3	498.8	443.1	412.4	339.6	304.8	288.3
85°	182.8	129.8	89.5	58.8	42.3	33.6	25.9	22.8
87.5°	12.3	9.7	8.7	7.0	5.4	5.2	3.2	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)