

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: P148616

Luminaire Tested: **AVS-F02-LED-E-U-5XQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148616
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-F02-LED-E-U-5XQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5388 lumens
Efficiency: N/A
Efficacy: 98.0 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

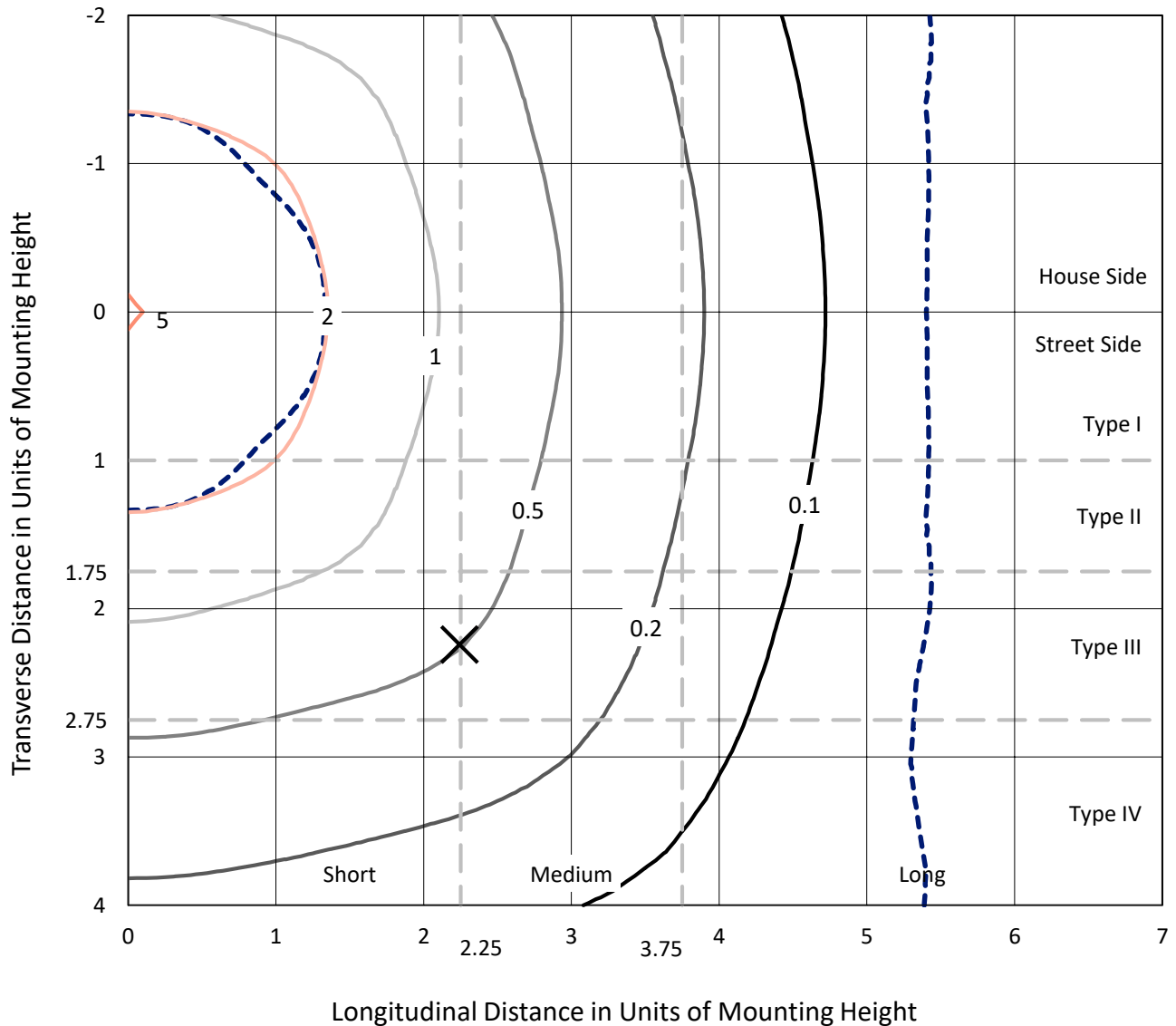
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

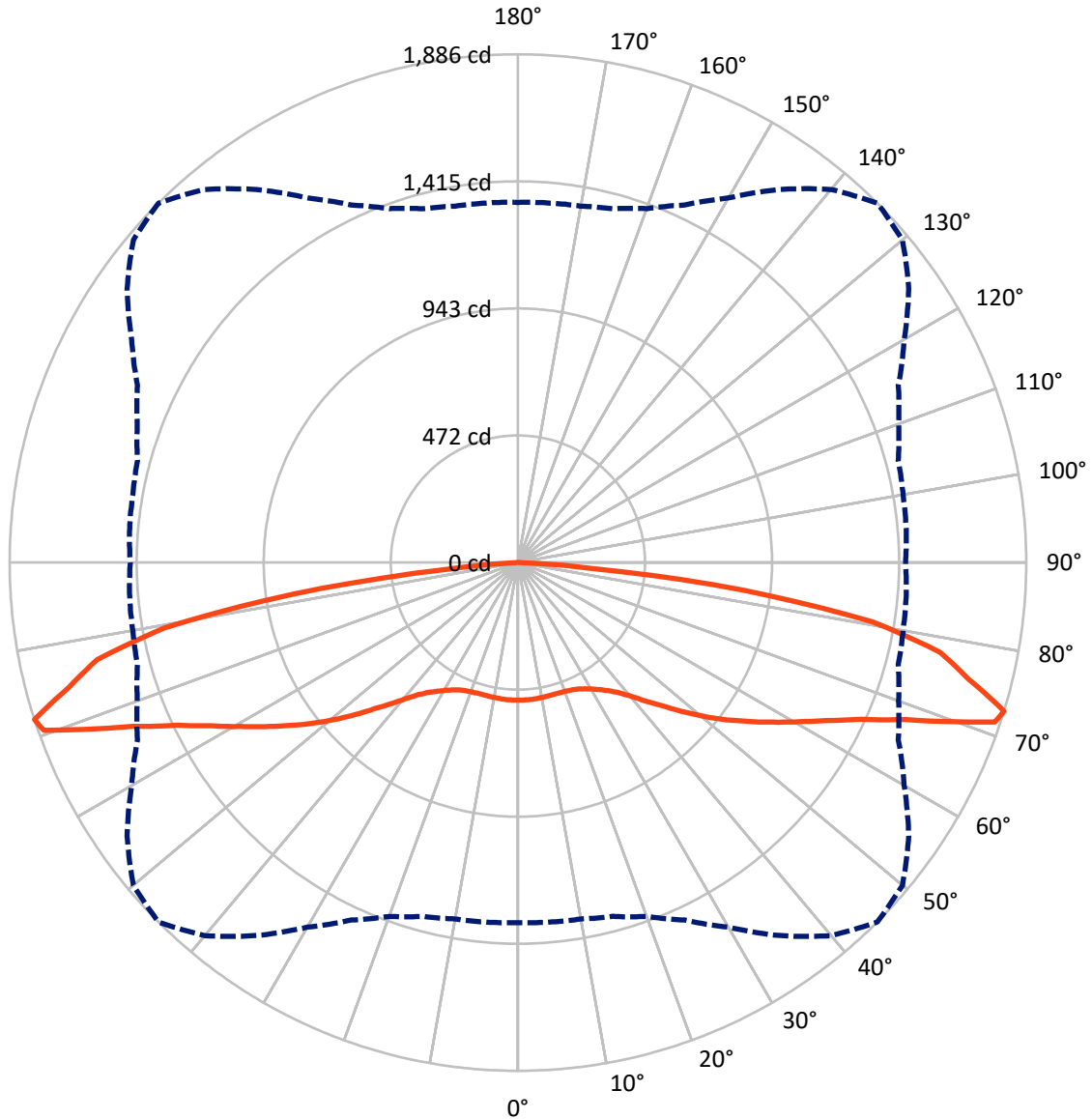
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2694.0	0.0	2694.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2694.0	0.0	2694.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5388.0	0.0	5388.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	0.9
10°-20°	143.9	2.7
20°-30°	241.0	4.5
30°-40°	367.4	6.8
40°-50°	586.7	10.9
50°-60°	902.1	16.7
60°-70°	1313.4	24.4
70°-80°	1479.5	27.5
80°-90°	305.4	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°	5388.0	100.0
0°-180°	5388.0	100.0



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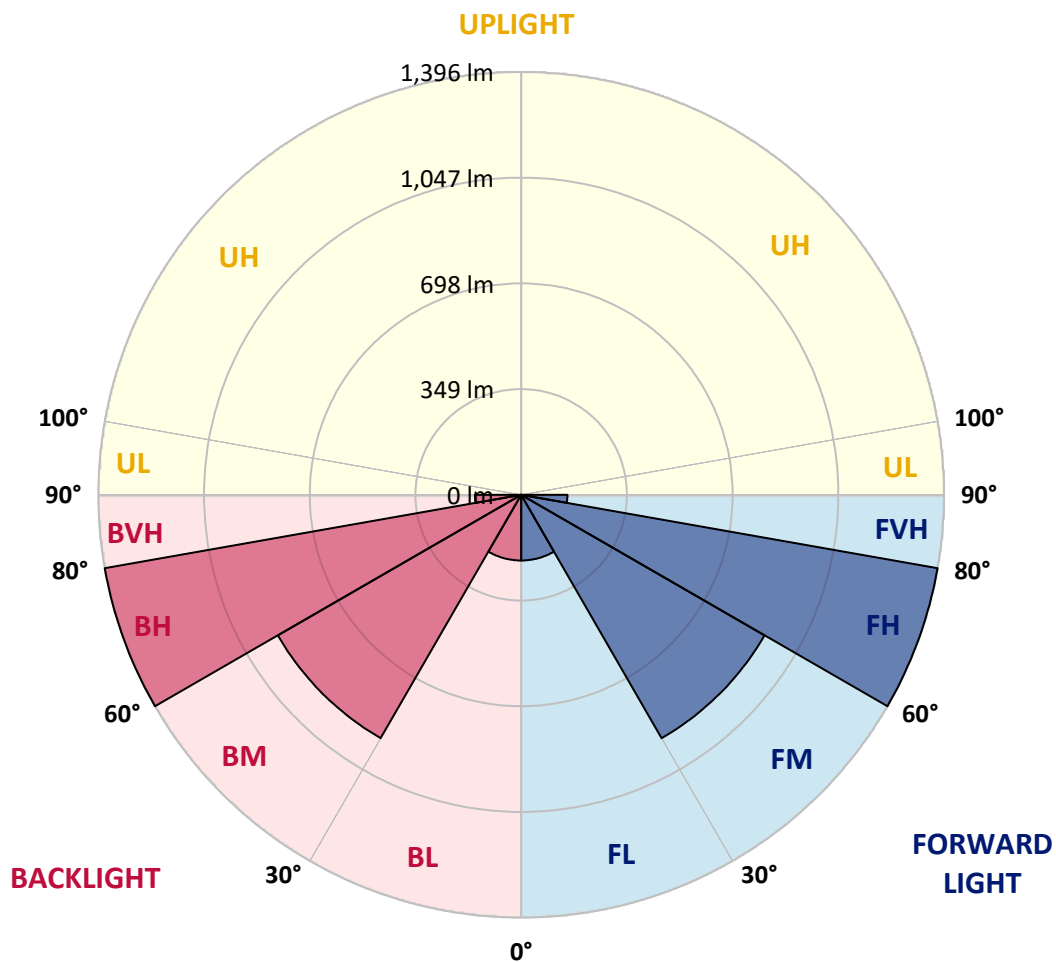
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.8	4.0			
FM	(30°-60°)	928.1	17.2			
FH	(60°-80°)	1396.5	25.9			G1/1800
FVH	(80°-90°)	152.7	2.8			G2/225
BL	(0°-30°)	216.8	4.0	B1/500		
BM	(30°-60°)	928.1	17.2	B1/1000		
BH	(60°-80°)	1396.5	25.9	B3/2500		G1/1800
BVH	(80°-90°)	152.7	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°	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.5
2.5°	511.4	511.7	511.5	511.2	511.3	511.2	510.9	510.8	509.7	510.4	511.2
5°	511.3	511.1	510.9	510.8	510.8	511.2	510.8	510.4	510.3	510.5	510.1
7.5°	511.1	510.5	510.3	510.1	510.3	510.4	509.9	509.4	509.8	509.4	508.8
10°	510.3	509.7	509.9	509.4	509.5	509.4	508.8	508.4	508.7	508.2	507.6
12.5°	510.5	509.7	509.6	509.4	509.2	509.1	508.4	507.7	507.8	507.6	506.8
15°	510.5	510.1	509.9	509.4	509.2	509.0	508.1	507.8	507.8	507.4	506.5
17.5°	510.8	510.5	510.5	509.8	509.5	509.4	508.4	508.0	508.4	507.6	506.9
20°	511.6	511.3	511.5	511.1	510.5	510.5	509.8	509.5	509.6	509.5	508.0
22.5°	513.4	513.4	513.6	513.5	513.4	513.5	513.0	513.0	513.1	513.1	511.8
25°	518.1	517.9	518.2	518.3	518.4	519.4	519.0	518.9	519.6	519.6	518.3
27.5°	527.3	526.8	527.2	527.5	528.1	529.4	529.1	529.5	530.7	530.4	529.3
30°	537.6	537.3	538.0	538.9	539.5	541.5	540.5	542.7	543.6	544.6	543.7
32.5°	552.8	552.8	554.2	554.7	556.0	557.9	558.2	559.9	561.2	562.6	561.7
35°	573.3	572.8	573.9	574.9	576.5	578.2	579.0	581.2	583.2	584.2	582.4
37.5°	604.2	602.7	604.6	605.1	606.4	606.8	608.8	611.6	613.7	613.5	612.1
40°	646.3	646.0	645.4	644.6	646.4	647.2	647.2	651.0	654.3	653.8	653.7
42.5°	695.4	694.2	693.3	693.4	694.5	694.7	699.1	702.0	704.4	704.9	704.4
45°	748.2	746.9	747.3	746.7	747.2	749.0	751.5	756.7	761.2	761.3	759.0
47.5°	805.0	801.0	804.1	799.8	802.5	803.9	810.3	817.8	825.8	827.2	825.1
50°	862.6	862.2	861.9	861.0	862.4	865.4	873.2	885.2	892.8	897.9	894.5
52.5°	925.6	923.4	922.5	921.0	922.4	928.4	939.3	949.7	963.4	969.2	964.6
55°	986.8	986.1	982.5	982.4	985.0	994.5	1006.3	1019.2	1034.0	1040.5	1038.8
57.5°	1049.8	1045.7	1044.6	1042.9	1048.3	1057.2	1071.7	1094.9	1110.3	1117.6	1113.4
60°	1111.3	1108.3	1105.8	1105.3	1109.0	1121.5	1142.3	1170.1	1189.1	1198.8	1191.9
62.5°	1177.4	1175.4	1172.6	1169.3	1177.2	1193.2	1219.1	1249.8	1277.9	1289.8	1279.5
65°	1259.6	1255.5	1252.4	1248.3	1254.6	1274.7	1307.4	1350.7	1388.4	1402.2	1394.8
67.5°	1346.3	1342.5	1342.8	1340.2	1351.5	1379.3	1421.3	1480.2	1530.8	1554.4	1540.5
70°	1422.0	1424.0	1424.7	1434.9	1454.4	1496.8	1566.8	1659.0	1735.6	1771.6	1756.9
71°	1399.7	1404.4	1411.5	1422.3	1455.9	1505.9	1601.6	1713.3	1804.7	1865.7	1845.2
72.5°	1336.4	1339.3	1342.9	1359.3	1397.3	1463.6	1562.0	1689.6	1807.3	1886.1	1862.4
75°	1245.0	1247.6	1248.9	1260.3	1294.9	1352.7	1442.9	1556.1	1659.9	1727.0	1720.4
77.5°	1106.8	1107.3	1117.1	1134.8	1173.7	1239.8	1334.7	1452.1	1549.7	1602.0	1568.7
80°	794.8	789.4	799.7	822.4	870.4	946.3	1043.4	1177.6	1285.8	1334.7	1283.3
82.5°	302.4	318.8	344.6	382.2	398.4	482.8	573.5	652.2	743.4	845.4	819.8
85°	32.4	36.6	45.9	56.9	71.9	99.4	137.4	187.5	231.1	271.7	241.1
87.5°	12.1	12.4	13.9	16.0	16.3	16.9	18.0	21.0	19.7	17.0	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°	510.5	510.5	510.5	510.5	510.5	510.5	510.5	510.5
2.5°	510.5	510.7	510.5	510.7	510.7	510.1	510.3	509.9
5°	510.4	509.9	510.1	510.3	510.1	510.4	509.9	510.3
7.5°	509.6	508.8	509.1	509.1	508.8	509.2	508.9	508.8
10°	508.2	507.2	507.7	507.4	507.3	507.4	507.4	507.4
12.5°	506.9	506.3	506.4	506.3	506.1	506.5	506.4	506.5
15°	506.7	505.6	505.5	505.2	505.3	505.6	505.6	506.0
17.5°	506.4	505.0	504.9	504.6	504.7	505.3	505.5	505.2
20°	507.3	506.1	505.9	505.6	505.4	506.1	506.0	506.0
22.5°	511.2	509.8	509.6	508.5	508.1	508.5	508.2	508.2
25°	517.5	515.9	515.3	513.8	512.6	512.6	512.2	511.9
27.5°	529.0	526.4	525.9	524.6	523.1	523.3	522.5	522.4
30°	542.3	540.0	538.0	536.2	534.4	533.7	532.6	532.5
32.5°	559.7	557.1	554.7	552.4	549.9	548.9	547.2	546.3
35°	580.9	577.6	574.7	573.2	570.7	569.3	568.3	569.5
37.5°	610.7	606.6	605.3	603.4	601.8	599.8	600.2	599.8
40°	652.0	648.3	646.8	643.6	643.2	640.9	642.4	641.0
42.5°	702.9	696.2	695.1	692.6	691.8	690.5	691.1	690.2
45°	758.4	752.3	751.2	747.2	747.3	744.2	745.4	745.4
47.5°	820.8	814.4	809.2	806.2	805.2	803.3	804.4	804.1
50°	885.2	876.6	870.8	865.0	862.5	863.2	861.2	864.6
52.5°	954.4	941.6	933.3	927.9	923.0	924.0	924.4	925.3
55°	1025.9	1009.5	997.7	990.6	986.1	986.4	987.7	988.8
57.5°	1097.9	1077.5	1061.3	1050.7	1047.9	1049.1	1049.1	1049.0
60°	1172.6	1148.1	1127.3	1115.2	1112.6	1111.9	1117.4	1115.6
62.5°	1252.8	1223.3	1201.9	1186.3	1182.6	1185.2	1190.2	1189.0
65°	1359.2	1318.3	1290.7	1275.2	1269.0	1271.6	1278.2	1277.9
67.5°	1496.2	1439.2	1402.6	1382.8	1378.3	1381.5	1385.1	1388.6
70°	1701.1	1619.8	1567.5	1524.8	1506.4	1502.9	1506.5	1506.6
71°	1773.4	1679.7	1596.6	1544.4	1514.3	1501.6	1502.6	1496.3
72.5°	1770.4	1655.0	1557.7	1503.1	1461.3	1451.2	1446.2	1438.5
75°	1651.1	1547.2	1462.8	1403.1	1362.9	1351.0	1342.2	1341.8
77.5°	1497.4	1420.7	1327.7	1264.6	1215.5	1195.6	1186.7	1186.5
80°	1203.7	1088.9	1020.9	982.9	923.7	906.6	888.6	881.9
82.5°	727.9	568.8	462.5	411.0	382.4	315.0	282.7	267.4
85°	169.5	120.4	83.0	54.5	39.3	31.2	24.0	21.1
87.5°	11.4	9.0	8.1	6.5	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)