

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: P148614

Luminaire Tested: **AVS-F02-LED-E-U-5XQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148614
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-7030
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4796 lumens
Efficiency: N/A
Efficacy: 87.2 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

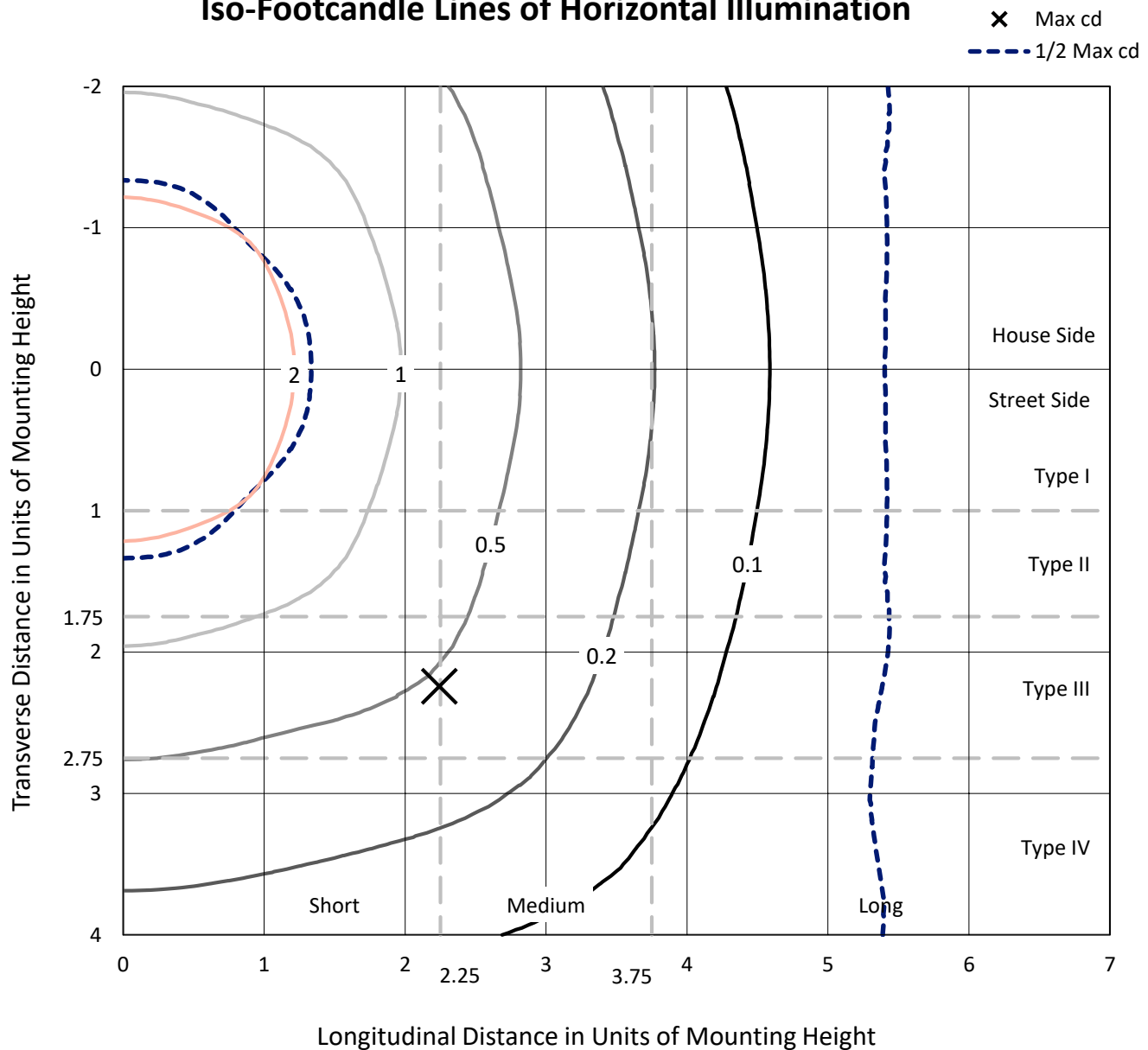
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

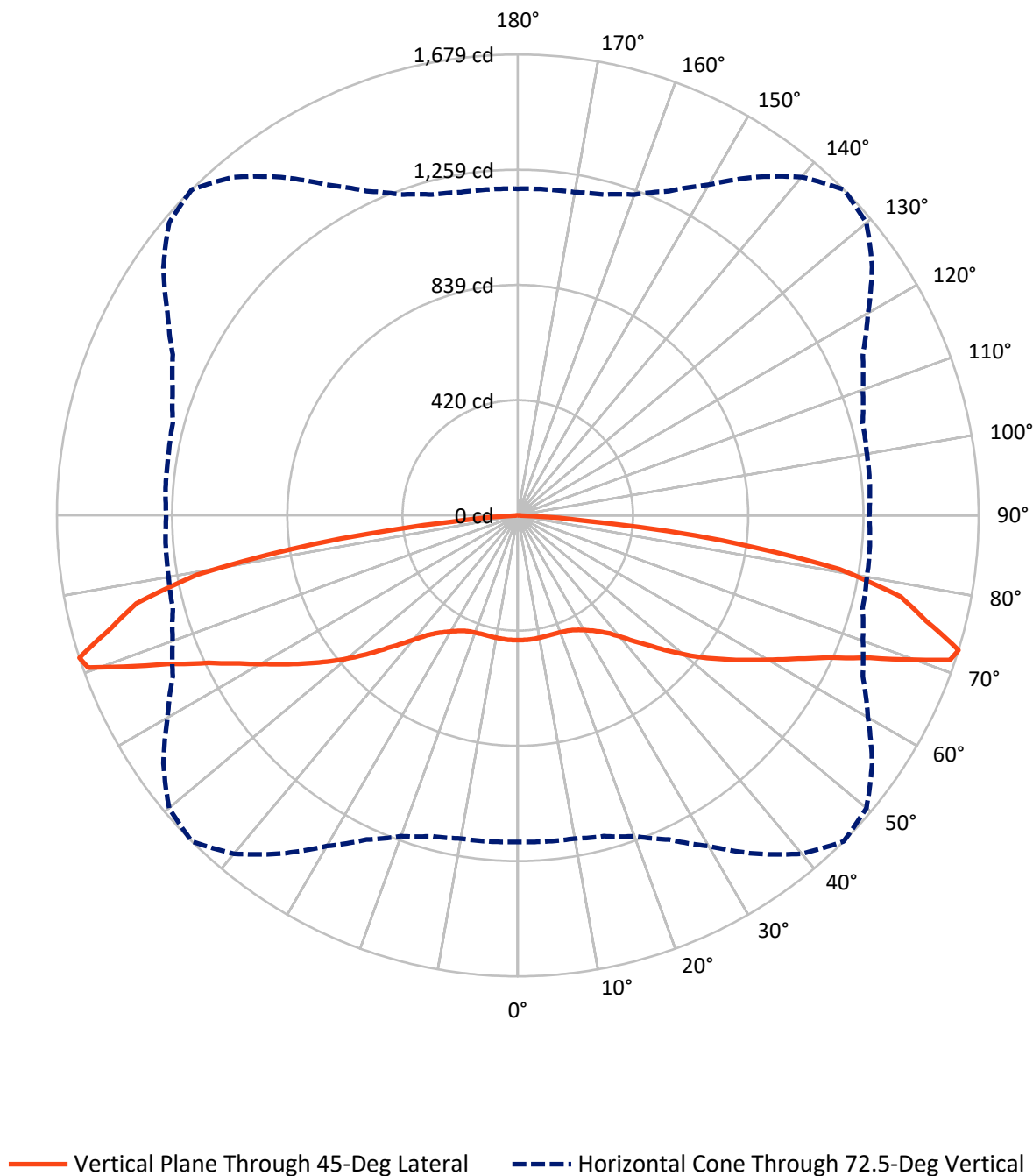


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2398.0	0.0	2398.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2398.0	0.0	2398.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4796.0	0.0	4796.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	0.9
10°-20°	128.1	2.7
20°-30°	214.5	4.5
30°-40°	327.0	6.8
40°-50°	522.2	10.9
50°-60°	802.9	16.7
60°-70°	1169.1	24.4
70°-80°	1317.0	27.5
80°-90°	271.9	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°	4796.0	100.0
0°-180°	4796.0	100.0

Coefficient of Utilization



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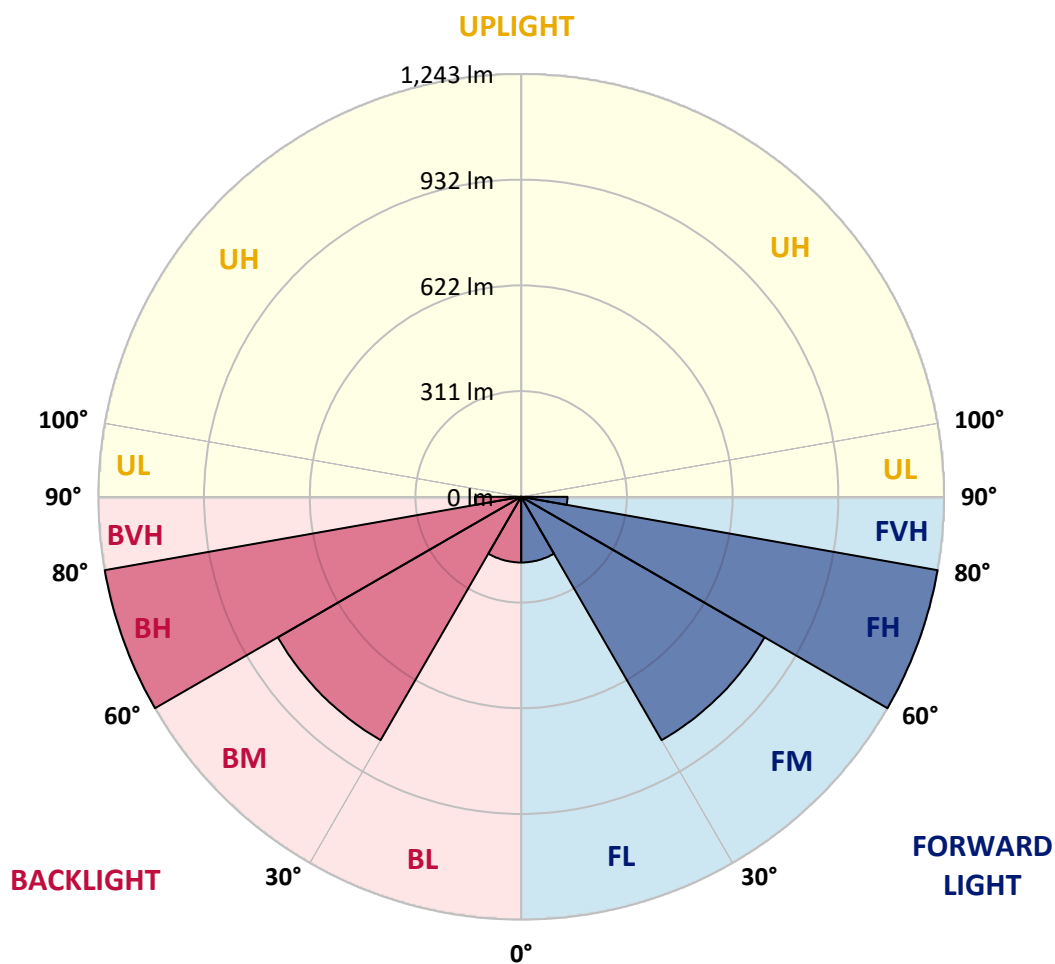
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.0	4.0			
FM	(30°-60°)	826.1	17.2			
FH	(60°-80°)	1243.0	25.9			G1/1800
FVH	(80°-90°)	135.9	2.8			G2/225
BL	(0°-30°)	193.0	4.0	B1/500		
BM	(30°-60°)	826.1	17.2	B1/1000		
BH	(60°-80°)	1243.0	25.9	B3/2500		G1/1800
BVH	(80°-90°)	135.9	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°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4
2.5°	455.1	455.4	455.3	455.0	455.1	455.0	454.7	454.7	453.8	454.3	455.0
5°	455.1	454.9	454.8	454.7	454.7	455.0	454.7	454.3	454.1	454.4	454.0
7.5°	454.9	454.4	454.1	454.0	454.1	454.3	453.9	453.4	453.8	453.4	452.8
10°	454.1	453.8	453.9	453.4	453.5	453.5	452.8	452.5	452.7	452.4	451.8
12.5°	454.4	453.8	453.7	453.4	453.3	453.2	452.5	451.9	452.0	451.8	451.2
15°	454.4	454.0	453.9	453.4	453.3	453.1	452.2	452.0	452.0	451.6	450.9
17.5°	454.7	454.4	454.4	453.8	453.5	453.4	452.5	452.1	452.5	451.8	451.3
20°	455.4	455.1	455.3	454.9	454.4	454.4	453.8	453.5	453.7	453.5	452.1
22.5°	456.9	456.9	457.2	457.0	456.9	457.0	456.6	456.6	456.7	456.7	455.5
25°	461.1	461.0	461.3	461.3	461.5	462.4	462.0	461.8	462.5	462.4	461.3
27.5°	469.2	469.0	469.2	469.4	470.1	471.3	471.0	471.4	472.3	472.1	471.1
30°	478.5	478.2	479.0	479.7	480.2	482.0	481.2	483.1	483.9	484.7	483.9
32.5°	492.1	492.1	493.3	493.8	494.9	496.6	496.9	498.3	499.5	500.7	499.9
35°	510.3	509.9	510.9	511.7	513.1	514.7	515.3	517.3	519.2	520.0	518.3
37.5°	537.8	536.5	538.0	538.7	539.7	540.1	541.9	544.4	546.3	546.0	544.9
40°	575.3	575.0	574.4	573.7	575.4	576.1	576.1	579.5	582.5	582.0	581.8
42.5°	619.1	617.8	617.2	617.2	618.2	618.4	622.3	624.8	626.9	627.5	626.9
45°	666.0	664.9	665.2	664.7	665.1	666.6	668.9	673.6	677.6	677.7	675.6
47.5°	716.5	713.1	715.8	711.9	714.3	715.5	721.1	728.0	735.0	736.3	734.4
50°	767.9	767.5	767.2	766.4	767.6	770.3	777.2	787.9	794.7	799.3	796.3
52.5°	823.9	822.0	821.1	819.9	820.9	826.3	836.1	845.4	857.5	862.7	858.5
55°	878.4	877.8	874.5	874.4	876.8	885.2	895.8	907.2	920.4	926.1	924.7
57.5°	934.5	930.8	929.8	928.3	933.1	940.9	953.9	974.5	988.2	994.7	991.0
60°	989.2	986.5	984.4	983.8	987.2	998.1	1016.8	1041.6	1058.4	1067.0	1061.0
62.5°	1048.1	1046.3	1043.8	1040.9	1047.8	1062.0	1085.1	1112.5	1137.5	1148.1	1139.0
65°	1121.2	1117.5	1114.8	1111.1	1116.8	1134.6	1163.6	1202.3	1235.8	1248.1	1241.6
67.5°	1198.3	1195.0	1195.2	1193.0	1203.0	1227.8	1265.2	1317.6	1362.6	1383.6	1371.2
70°	1265.7	1267.6	1268.1	1277.3	1294.6	1332.3	1394.6	1476.7	1545.0	1577.0	1563.8
71°	1245.8	1249.9	1256.4	1265.9	1295.9	1340.5	1425.5	1525.0	1606.4	1660.6	1642.5
72.5°	1189.6	1192.1	1195.3	1209.9	1243.7	1302.8	1390.4	1503.9	1608.7	1678.9	1657.8
75°	1108.2	1110.5	1111.6	1121.8	1152.6	1204.1	1284.4	1385.1	1477.5	1537.3	1531.4
77.5°	985.3	985.6	994.4	1010.1	1044.7	1103.6	1188.0	1292.6	1379.5	1425.9	1396.5
80°	707.6	702.8	711.8	732.0	774.7	842.3	928.8	1048.2	1144.6	1188.1	1142.3
82.5°	269.2	283.7	306.7	340.2	354.6	429.8	510.5	580.5	661.8	752.5	729.7
85°	28.9	32.5	40.8	50.7	63.9	88.5	122.3	166.8	205.7	241.8	214.6
87.5°	10.8	11.1	12.3	14.2	14.5	15.1	16.1	18.8	17.4	15.1	12.2
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°	454.4	454.4	454.4	454.4	454.4	454.4	454.4	454.4
2.5°	454.4	454.5	454.4	454.5	454.5	454.1	454.1	453.9
5°	454.3	453.9	454.1	454.2	454.1	454.3	453.9	454.2
7.5°	453.7	452.8	453.2	453.2	452.8	453.3	453.1	452.8
10°	452.4	451.4	451.9	451.6	451.5	451.6	451.6	451.6
12.5°	451.2	450.6	450.8	450.6	450.5	450.9	450.8	450.9
15°	451.0	449.9	449.8	449.6	449.7	449.9	449.9	450.4
17.5°	450.8	449.5	449.3	449.1	449.2	449.7	449.8	449.6
20°	451.5	450.6	450.3	449.9	449.8	450.6	450.4	450.4
22.5°	455.0	453.8	453.7	452.6	452.2	452.6	452.4	452.4
25°	460.7	459.2	458.7	457.3	456.3	456.3	455.9	455.6
27.5°	470.9	468.6	468.1	466.9	465.6	465.9	465.1	465.0
30°	482.7	480.6	479.0	477.3	475.6	475.0	474.2	474.0
32.5°	498.1	495.9	493.8	491.7	489.5	488.6	487.0	486.3
35°	517.1	514.1	511.6	510.3	508.0	506.8	505.8	506.9
37.5°	543.6	540.0	538.8	537.1	535.5	533.9	534.2	533.9
40°	580.3	577.0	575.8	573.0	572.5	570.5	571.8	570.6
42.5°	625.7	619.7	618.8	616.5	615.8	614.6	615.1	614.3
45°	675.1	669.6	668.6	665.1	665.1	662.5	663.5	663.5
47.5°	730.6	725.0	720.3	717.7	716.7	715.0	716.0	715.8
50°	788.0	780.3	775.1	769.9	767.7	768.3	766.5	769.5
52.5°	849.5	838.0	830.8	825.9	821.6	822.5	822.7	823.6
55°	913.2	898.7	888.1	881.7	877.8	878.0	879.2	880.2
57.5°	977.3	959.1	944.8	935.1	932.6	933.8	933.8	933.7
60°	1043.7	1022.0	1003.4	992.6	990.4	989.7	994.6	993.0
62.5°	1115.1	1088.9	1069.8	1056.0	1052.6	1054.9	1059.4	1058.3
65°	1209.7	1173.5	1148.8	1135.1	1129.6	1131.9	1137.8	1137.5
67.5°	1331.8	1281.0	1248.5	1230.9	1226.8	1229.6	1233.0	1236.1
70°	1514.3	1441.8	1395.2	1357.2	1340.8	1337.7	1340.9	1341.1
71°	1578.4	1495.1	1421.1	1374.7	1347.9	1336.6	1337.4	1331.8
72.5°	1575.9	1473.2	1386.6	1337.9	1300.7	1291.7	1287.3	1280.6
75°	1469.6	1377.2	1302.0	1249.0	1213.2	1202.5	1194.7	1194.3
77.5°	1332.8	1264.6	1181.8	1125.6	1082.0	1064.2	1056.4	1056.1
80°	1071.4	969.2	908.7	874.9	822.2	807.0	790.9	784.9
82.5°	647.9	506.3	411.7	365.8	340.4	280.3	251.6	238.0
85°	150.9	107.2	73.9	48.5	34.9	27.8	21.3	18.9
87.5°	10.2	8.0	7.2	5.8	4.4	4.2	2.7	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)