

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: INVUE

Report Number: P148215

Luminaire Tested: **VXS-F02-LED-E1-5XQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148215
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F02-LED-E1-5XQ
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5251 lumens
Efficiency: N/A
Efficacy: 95.5 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): 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: 25 FT



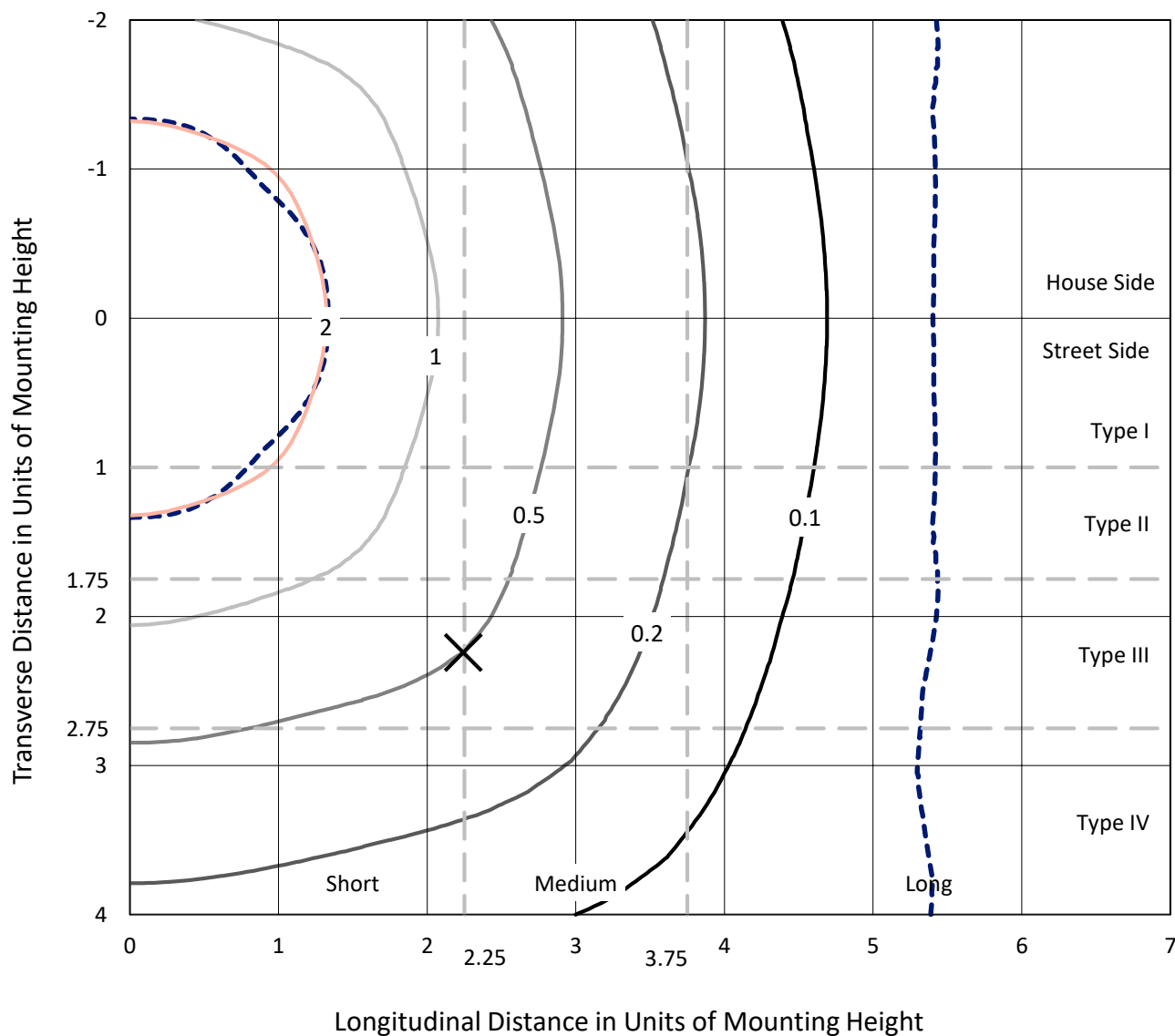
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

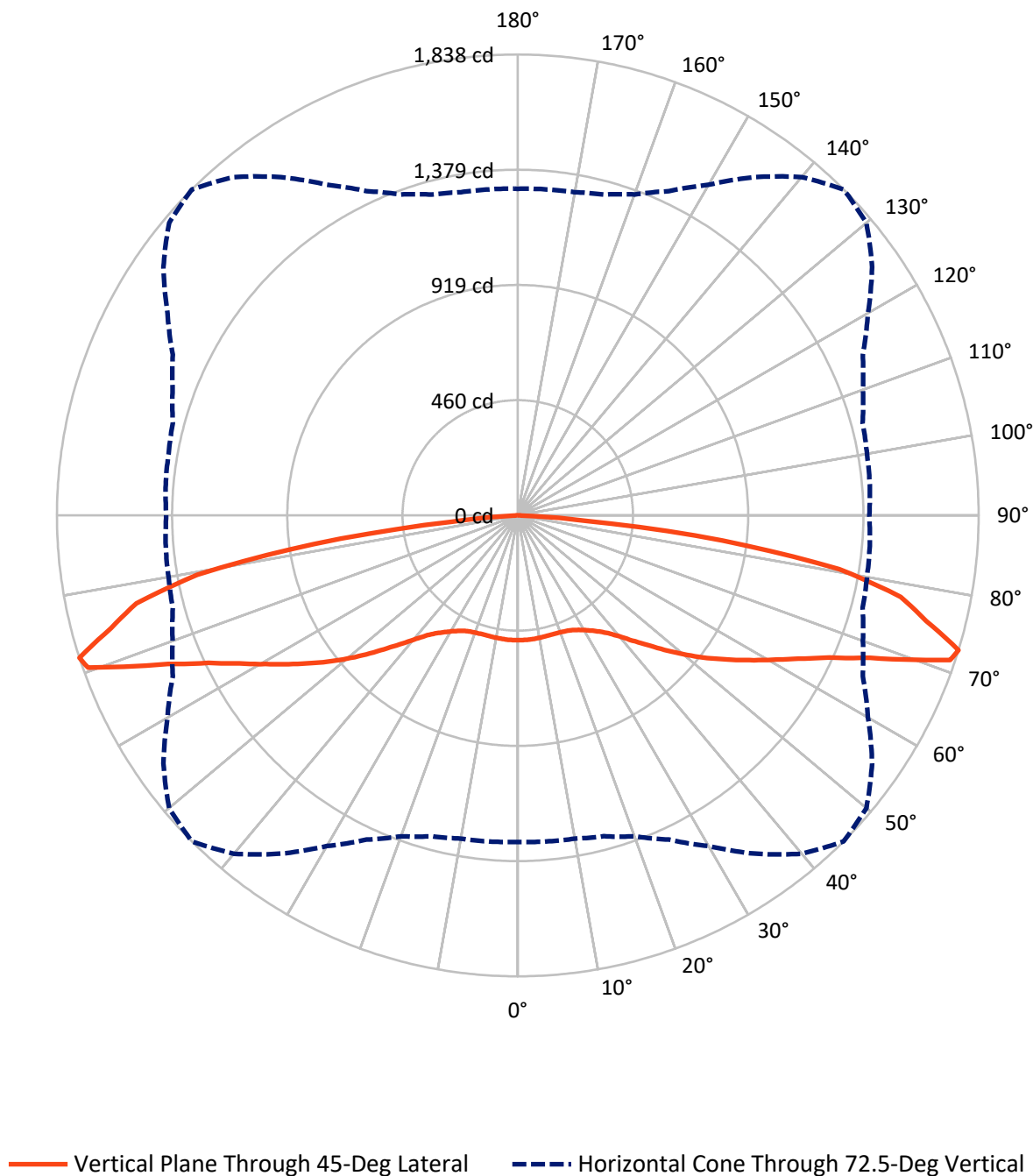


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2625.5	0.0	2625.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2625.5	0.0	2625.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5251.0	0.0	5251.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	0.9
10°-20°	140.3	2.7
20°-30°	234.9	4.5
30°-40°	358.1	6.8
40°-50°	571.7	10.9
50°-60°	879.1	16.7
60°-70°	1280.0	24.4
70°-80°	1441.9	27.5
80°-90°	297.7	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°	5251.0	100.0
0°-180°	5251.0	100.0

Coefficient of Utilization



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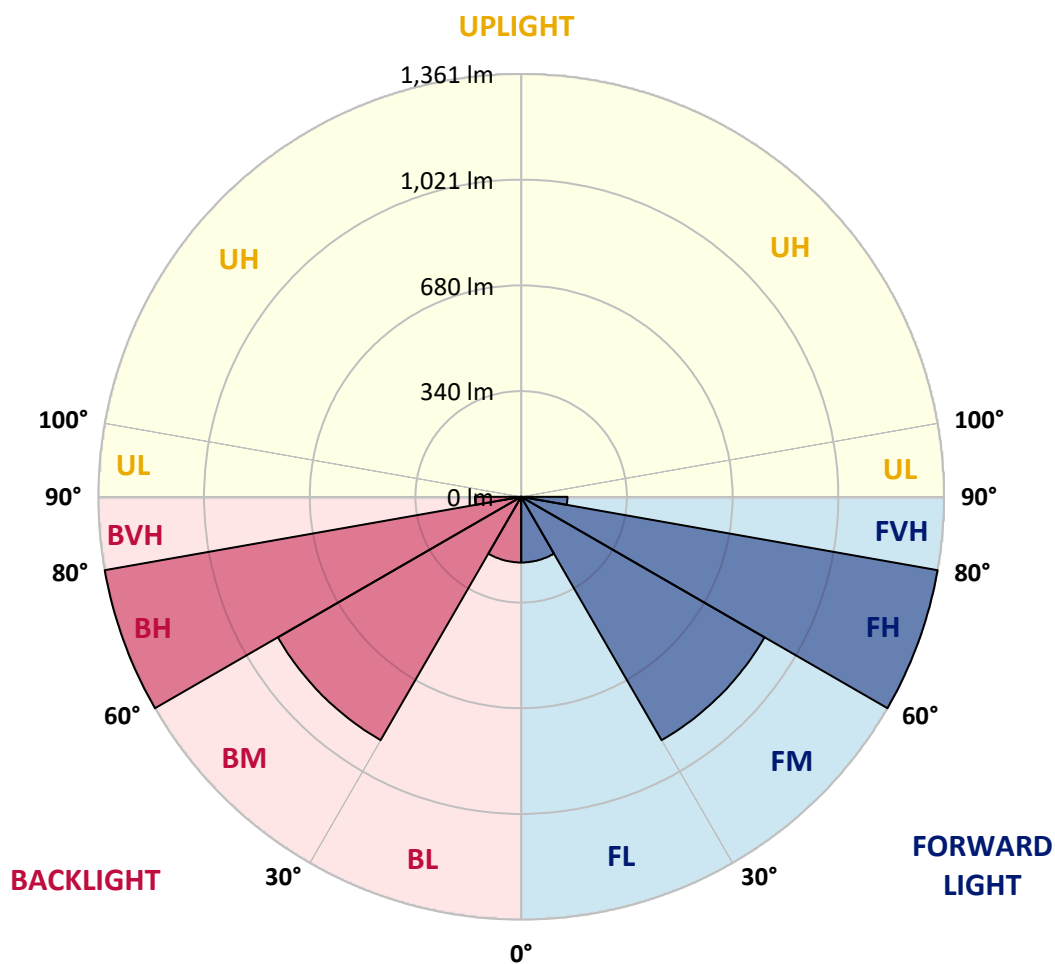
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.3	4.0			
FM	(30°-60°)	904.5	17.2			
FH	(60°-80°)	1360.9	25.9			G1/1800
FVH	(80°-90°)	148.8	2.8			G2/225
BL	(0°-30°)	211.3	4.0	B1/500		
BM	(30°-60°)	904.5	17.2	B1/1000		
BH	(60°-80°)	1360.9	25.9	B3/2500		G1/1800
BVH	(80°-90°)	148.8	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°	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5
2.5°	498.3	498.7	498.4	498.2	498.3	498.2	497.9	497.8	496.8	497.4	498.2
5°	498.3	498.0	497.9	497.8	497.8	498.2	497.8	497.4	497.2	497.5	497.1
7.5°	498.0	497.5	497.2	497.1	497.2	497.4	497.0	496.4	496.8	496.4	495.9
10°	497.2	496.8	497.0	496.4	496.6	496.4	495.9	495.4	495.8	495.3	494.6
12.5°	497.6	496.8	496.7	496.4	496.3	496.2	495.4	494.8	494.9	494.6	494.0
15°	497.6	497.1	497.0	496.4	496.3	496.1	495.1	494.9	494.9	494.5	493.7
17.5°	497.8	497.5	497.5	496.9	496.6	496.4	495.4	495.0	495.4	494.6	494.1
20°	498.7	498.3	498.4	498.0	497.5	497.5	496.8	496.6	496.7	496.6	495.0
22.5°	500.3	500.3	500.5	500.4	500.3	500.4	499.9	499.9	500.0	500.0	498.8
25°	504.9	504.8	505.1	505.1	505.3	506.2	505.8	505.6	506.3	506.3	505.1
27.5°	513.8	513.5	513.8	514.0	514.7	516.0	515.6	516.1	517.2	516.9	515.9
30°	523.9	523.7	524.4	525.2	525.7	527.7	526.8	528.9	529.8	530.7	529.8
32.5°	538.8	538.9	540.0	540.5	541.8	543.7	544.0	545.7	546.9	548.3	547.4
35°	558.5	558.3	559.3	560.2	561.8	563.5	564.2	566.4	568.4	569.3	567.6
37.5°	588.8	587.4	589.2	589.6	591.0	591.3	593.3	596.1	598.0	597.8	596.6
40°	629.8	629.6	628.9	628.1	630.1	630.7	630.8	634.4	637.7	637.2	637.0
42.5°	677.7	676.5	675.8	675.6	676.8	677.0	681.3	684.1	686.4	686.9	686.4
45°	729.2	728.0	728.3	727.7	728.1	729.8	732.4	737.5	741.9	742.0	739.7
47.5°	784.5	780.6	783.7	779.5	782.1	783.4	789.6	797.0	804.8	806.2	804.0
50°	840.6	840.2	840.0	839.2	840.4	843.4	851.0	862.7	870.2	875.0	871.7
52.5°	902.0	900.0	899.1	897.6	898.9	904.8	915.3	925.6	938.9	944.6	940.0
55°	961.8	961.0	957.5	957.3	959.9	969.1	980.7	993.3	1007.7	1014.0	1012.4
57.5°	1023.1	1019.1	1018.0	1016.4	1021.6	1030.3	1044.5	1066.9	1082.0	1089.1	1085.1
60°	1083.1	1080.0	1077.7	1077.2	1080.7	1092.8	1113.3	1140.3	1158.9	1168.3	1161.7
62.5°	1147.6	1145.6	1142.8	1139.7	1147.2	1162.7	1188.1	1218.0	1245.4	1257.0	1246.9
65°	1227.6	1223.5	1220.5	1216.6	1222.8	1242.3	1274.1	1316.3	1353.1	1366.5	1359.4
67.5°	1312.0	1308.3	1308.6	1306.1	1317.1	1344.2	1385.2	1442.6	1491.9	1514.8	1501.3
70°	1385.8	1387.9	1388.4	1398.4	1417.4	1458.7	1526.9	1616.8	1691.5	1726.6	1712.1
71°	1364.0	1368.6	1375.5	1386.0	1418.9	1467.7	1560.8	1669.6	1758.8	1818.2	1798.2
72.5°	1302.4	1305.2	1308.7	1324.7	1361.8	1426.3	1522.3	1646.6	1761.2	1838.1	1815.0
75°	1213.3	1215.9	1217.1	1228.2	1262.0	1318.3	1406.1	1516.5	1617.6	1683.1	1676.6
77.5°	1078.7	1079.1	1088.7	1105.9	1143.8	1208.3	1300.7	1415.2	1510.3	1561.2	1528.9
80°	774.6	769.4	779.3	801.5	848.2	922.3	1017.0	1147.6	1253.2	1300.7	1250.7
82.5°	294.7	310.7	335.9	372.4	388.2	470.6	558.9	635.6	724.6	823.9	799.0
85°	31.6	35.6	44.8	55.4	70.1	96.9	133.9	182.7	225.3	264.7	235.0
87.5°	11.8	12.1	13.5	15.5	15.8	16.5	17.6	20.5	19.1	16.5	13.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	497.5	497.5	497.5	497.5	497.5	497.5	497.5	497.5
2.5°	497.5	497.6	497.5	497.6	497.6	497.1	497.2	497.0
5°	497.4	497.0	497.1	497.2	497.1	497.4	497.0	497.2
7.5°	496.7	495.9	496.2	496.2	495.9	496.3	496.0	495.9
10°	495.3	494.2	494.7	494.5	494.3	494.5	494.5	494.5
12.5°	494.1	493.4	493.5	493.4	493.3	493.7	493.6	493.7
15°	493.8	492.6	492.5	492.2	492.4	492.6	492.6	493.1
17.5°	493.5	492.1	492.0	491.7	491.8	492.4	492.5	492.2
20°	494.3	493.3	493.0	492.6	492.5	493.3	493.1	493.1
22.5°	498.2	496.8	496.7	495.5	495.1	495.5	495.3	495.3
25°	504.4	502.8	502.2	500.7	499.6	499.6	499.2	498.9
27.5°	515.5	513.1	512.5	511.3	509.7	510.1	509.2	509.1
30°	528.5	526.3	524.4	522.5	520.8	520.1	519.2	519.0
32.5°	545.4	542.9	540.6	538.4	536.0	534.9	533.3	532.4
35°	566.2	562.9	560.1	558.5	556.2	554.9	553.8	555.0
37.5°	595.2	591.2	589.8	588.1	586.4	584.5	584.9	584.5
40°	635.4	631.8	630.5	627.3	626.8	624.7	626.0	624.7
42.5°	685.1	678.4	677.5	675.0	674.2	673.0	673.5	672.5
45°	739.2	733.3	732.1	728.1	728.3	725.4	726.4	726.4
47.5°	799.9	793.8	788.6	785.7	784.7	782.9	783.8	783.6
50°	862.7	854.3	848.7	843.0	840.5	841.2	839.3	842.6
52.5°	930.1	917.5	909.6	904.2	899.6	900.5	900.7	901.8
55°	999.8	983.8	972.3	965.3	961.0	961.3	962.6	963.7
57.5°	1070.1	1050.1	1034.4	1023.9	1021.1	1022.4	1022.4	1022.3
60°	1142.8	1118.9	1098.7	1086.8	1084.4	1083.6	1089.0	1087.3
62.5°	1220.9	1192.2	1171.3	1156.2	1152.5	1155.0	1159.9	1158.8
65°	1324.6	1284.8	1257.8	1242.8	1236.8	1239.3	1245.7	1245.5
67.5°	1458.1	1402.6	1366.9	1347.7	1343.2	1346.3	1349.8	1353.4
70°	1657.9	1578.5	1527.6	1485.9	1468.1	1464.7	1468.2	1468.3
71°	1728.3	1637.0	1556.0	1505.1	1475.8	1463.4	1464.4	1458.2
72.5°	1725.4	1613.0	1518.1	1464.9	1424.1	1414.3	1409.4	1402.0
75°	1609.1	1507.8	1425.5	1367.5	1328.3	1316.6	1308.0	1307.7
77.5°	1459.3	1384.6	1293.9	1232.3	1184.7	1165.2	1156.6	1156.3
80°	1173.1	1061.2	994.9	957.9	900.2	883.5	866.0	859.4
82.5°	709.4	554.3	450.8	400.5	372.7	306.9	275.4	260.6
85°	165.3	117.3	80.8	53.2	38.2	30.4	23.4	20.6
87.5°	11.2	8.8	7.9	6.3	4.8	4.7	2.9	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)