

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: P180132

Luminaire Tested: **ICS-F02-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180132
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F02-LED-E1-5WQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4321.3 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G1

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



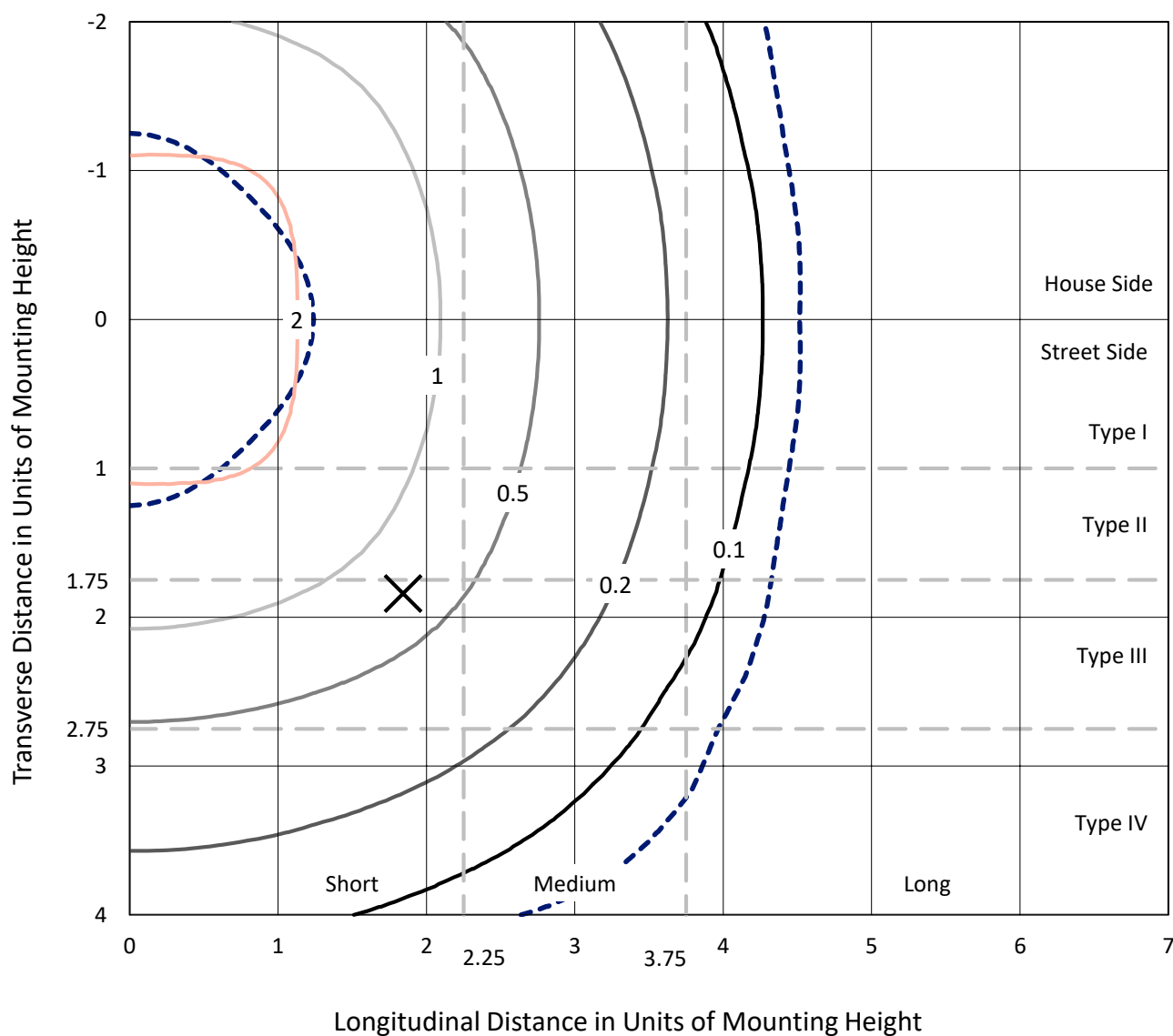
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

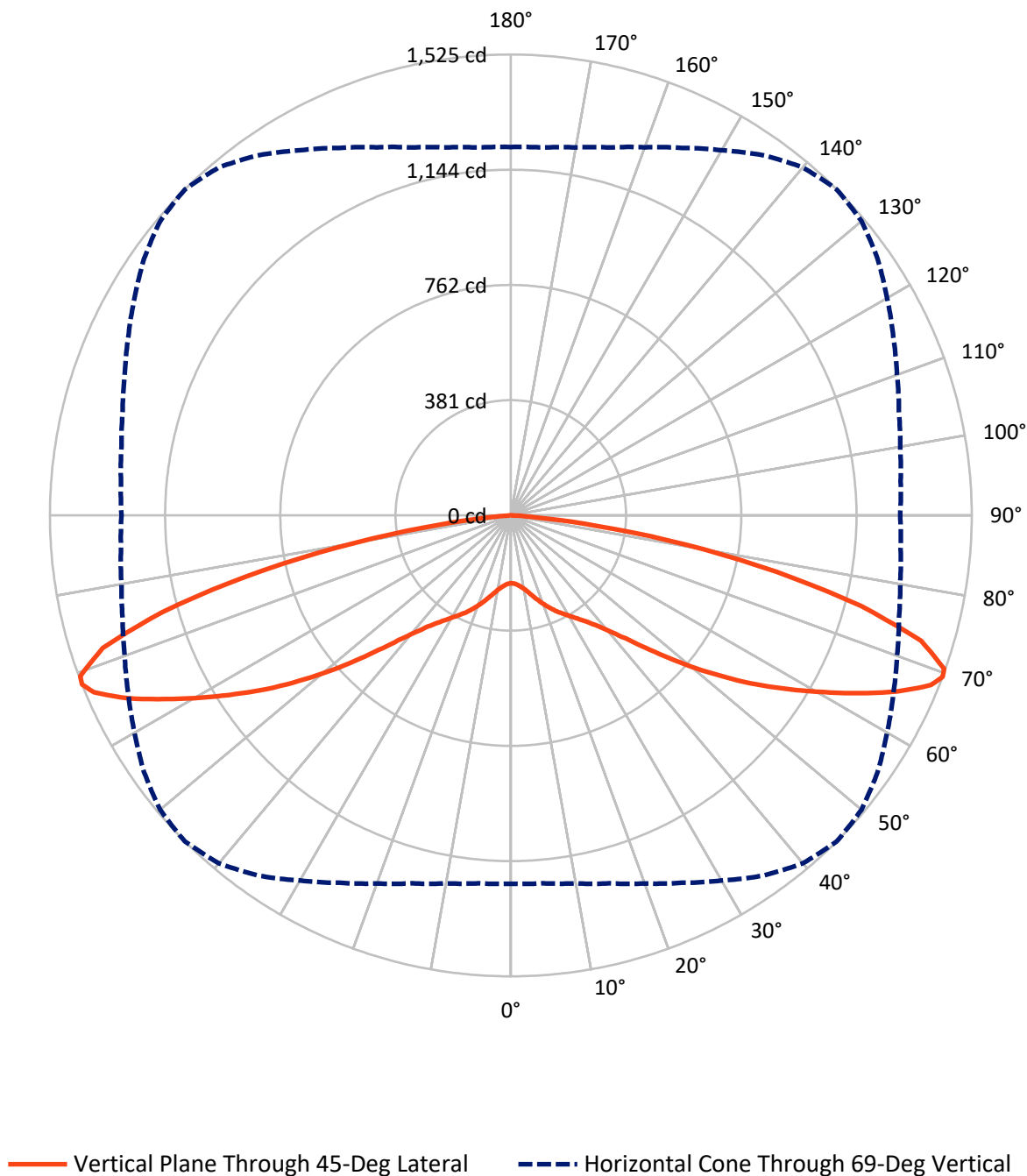


Based on 10 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2160.6	0.0	2160.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2160.6	0.0	2160.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4321.3	0.0	4321.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.5	0.5
10°-20°	79.6	1.8
20°-30°	161.1	3.7
30°-40°	270.1	6.3
40°-50°	476.5	11.0
50°-60°	840.2	19.4
60°-70°	1282.8	29.7
70°-80°	1071.9	24.8
80°-90°	116.5	2.7
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°	4321.3	100.0
0°-180°	4321.3	100.0

Coefficient of Utilization



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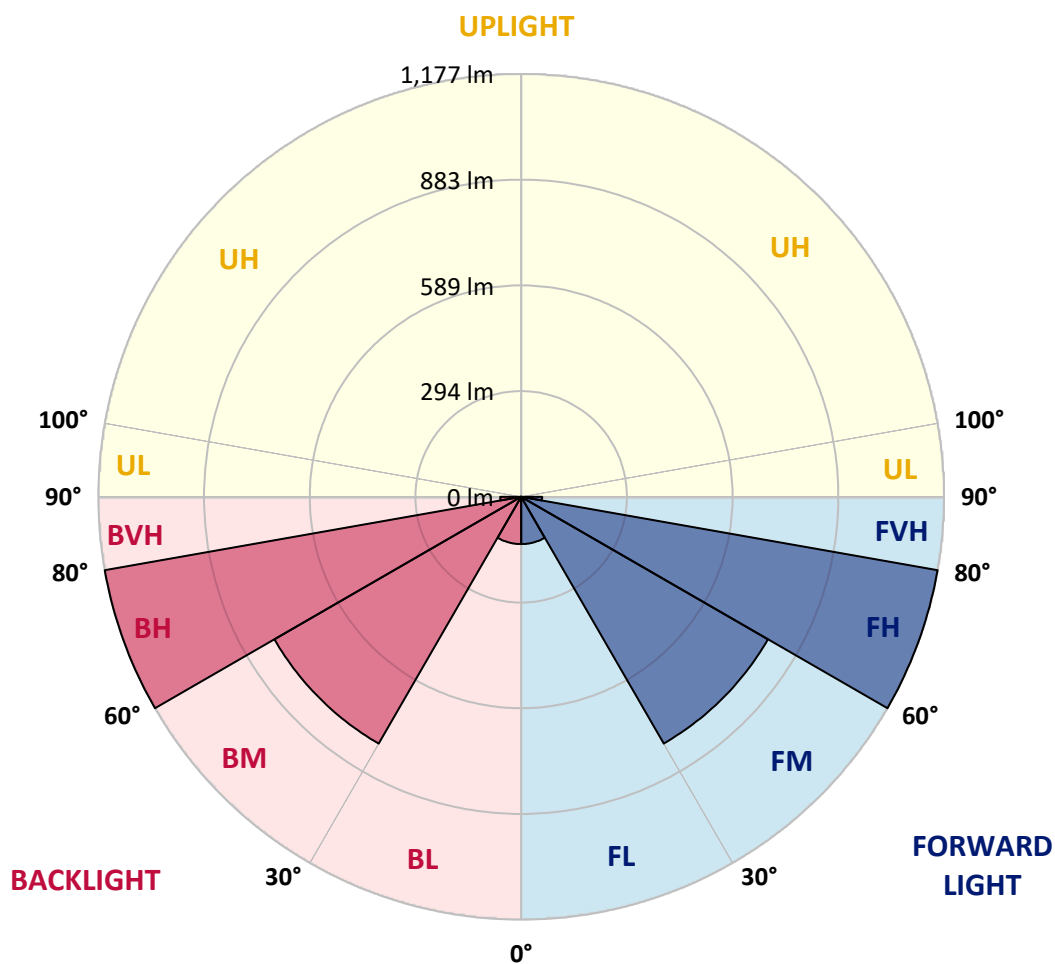
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.6	3.0			
FM	(30°-60°)	793.4	18.4			
FH	(60°-80°)	1177.4	27.2			G1/1800
FVH	(80°-90°)	58.2	1.3			G1/100
BL	(0°-30°)	131.6	3.0	B1/500		
BM	(30°-60°)	793.4	18.4	B1/1000		
BH	(60°-80°)	1177.4	27.2	B3/2500		G1/1800
BVH	(80°-90°)	58.2	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	226.2	226.7	226.2	226.2	226.2	226.2	226.2	225.8	225.8	225.8	226.2
5°	230.7	231.2	230.7	231.2	231.2	231.2	231.2	230.7	230.7	230.7	230.7
7.5°	238.0	238.0	238.0	238.4	238.0	238.0	238.4	238.0	238.0	238.0	238.0
10°	248.4	247.9	247.9	247.9	247.9	247.9	248.4	248.4	248.4	247.9	247.9
12.5°	261.0	260.6	261.0	261.0	261.5	261.5	261.5	261.5	261.5	261.5	261.0
15°	276.4	276.4	276.4	276.9	277.8	277.8	277.3	277.8	277.8	277.8	277.8
17.5°	293.6	294.5	293.6	294.1	294.5	294.1	295.0	295.4	295.9	295.4	294.1
20°	311.3	311.7	311.7	311.7	311.7	312.6	313.1	313.1	314.4	314.0	313.5
22.5°	328.0	328.9	328.9	329.4	329.4	330.7	330.7	330.7	331.6	332.5	331.6
25°	345.6	345.2	345.2	346.1	346.6	348.4	348.4	349.3	350.6	351.1	350.2
27.5°	361.5	361.0	361.0	362.4	362.8	365.1	365.1	366.9	367.8	368.3	367.4
30°	378.2	378.2	377.8	379.1	380.5	382.3	383.2	385.0	386.4	386.8	385.9
32.5°	398.1	397.2	397.7	398.6	399.5	401.3	402.7	404.9	406.7	407.2	406.3
35°	420.8	419.4	419.8	420.8	422.1	424.8	427.1	428.4	431.2	432.1	430.3
37.5°	445.6	446.1	445.6	447.9	450.2	453.3	456.0	457.8	460.6	461.9	460.6
40°	480.9	479.6	480.9	483.2	486.8	490.9	496.3	497.7	500.4	503.1	499.9
42.5°	526.6	525.7	528.9	530.7	534.8	539.3	546.1	549.7	553.8	555.6	552.9
45°	586.3	586.3	590.0	590.4	596.7	602.6	612.1	616.6	624.3	624.3	624.3
47.5°	652.4	655.1	657.4	661.9	666.4	677.3	686.8	696.7	704.0	704.9	703.5
50°	720.7	723.4	730.2	736.5	746.5	760.1	770.5	783.6	789.9	795.4	793.5
52.5°	796.3	796.7	804.9	813.0	827.5	842.4	859.1	872.7	884.0	889.0	884.9
55°	879.1	880.0	887.2	895.8	912.1	929.3	950.1	964.1	978.6	987.6	980.8
57.5°	968.6	969.1	976.3	986.7	1006.2	1023.4	1043.3	1063.2	1076.8	1084.9	1080.4
60°	1067.7	1070.0	1075.4	1088.5	1107.1	1125.2	1145.1	1162.7	1178.6	1187.2	1182.6
62.5°	1173.6	1175.8	1183.5	1193.9	1210.2	1230.1	1249.1	1271.8	1284.9	1294.4	1287.6
65°	1244.6	1248.7	1260.9	1274.9	1298.9	1324.7	1346.9	1377.6	1393.5	1404.8	1398.4
67.5°	1249.1	1251.4	1266.3	1287.6	1319.7	1358.6	1403.9	1451.8	1483.0	1498.0	1487.1
69°	1218.4	1221.5	1236.0	1260.0	1295.7	1341.0	1394.8	1454.5	1502.5	1524.7	1514.3
70°	1183.5	1190.3	1206.2	1232.4	1267.2	1314.7	1370.4	1434.2	1490.3	1520.6	1512.9
72.5°	1110.2	1112.1	1122.5	1143.3	1170.0	1209.3	1261.8	1322.0	1375.4	1418.8	1425.1
75°	985.4	991.3	998.9	1013.0	1026.5	1055.0	1090.3	1131.5	1162.7	1196.2	1197.6
77.5°	744.7	762.3	768.2	771.4	777.3	799.9	830.6	866.4	892.2	897.6	896.7
80°	334.3	357.9	363.3	389.1	404.9	442.5	489.5	544.3	580.9	585.0	575.0
82.5°	65.6	70.1	81.9	102.2	139.3	161.5	192.3	230.7	266.0	286.4	274.2
85°	21.7	23.1	26.7	29.4	33.9	38.5	46.6	57.9	71.9	79.6	71.0
87.5°	8.6	8.6	10.0	10.9	11.8	11.8	11.8	10.9	10.4	8.6	7.7
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°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	225.8	225.8	225.8	225.8	225.8	225.8	225.8	225.8
5°	230.7	230.3	230.3	229.8	229.8	229.8	229.8	229.8
7.5°	237.5	237.1	236.6	237.1	236.6	236.6	236.6	236.6
10°	247.9	247.0	246.6	246.1	246.1	246.1	245.7	245.7
12.5°	260.1	260.1	259.7	259.2	258.3	258.8	258.3	257.4
15°	276.9	276.0	275.5	275.1	274.2	274.2	274.2	273.7
17.5°	293.6	292.7	292.7	291.4	290.9	290.9	290.9	291.4
20°	312.2	310.8	309.9	309.0	308.1	308.6	307.6	308.6
22.5°	330.7	328.9	328.0	326.6	325.3	325.3	324.8	323.9
25°	348.8	346.6	345.6	344.3	342.5	342.5	341.6	340.7
27.5°	366.0	363.7	362.8	360.1	358.3	357.9	357.0	356.5
30°	385.0	382.3	380.9	378.2	375.5	375.1	373.7	373.7
32.5°	404.9	402.2	401.3	397.2	395.0	395.0	394.1	393.2
35°	429.8	425.7	424.8	420.8	417.6	417.6	416.7	417.1
37.5°	459.2	456.0	452.9	449.7	446.1	445.6	444.7	443.8
40°	498.6	494.9	491.3	486.8	483.6	482.7	481.4	480.9
42.5°	551.0	547.4	540.2	536.6	533.4	530.7	530.2	529.8
45°	618.0	613.5	608.5	601.7	597.6	591.8	590.9	588.6
47.5°	698.5	689.9	681.3	675.5	669.1	662.3	661.0	657.4
50°	784.0	777.3	762.8	753.3	743.3	736.5	732.0	730.7
52.5°	875.9	863.2	848.7	836.1	821.6	812.5	804.4	802.1
55°	971.8	953.7	935.6	920.7	906.2	895.3	887.6	884.0
57.5°	1067.7	1047.8	1027.9	1011.6	999.4	985.4	977.7	975.9
60°	1167.7	1148.7	1128.3	1112.1	1097.1	1084.9	1080.4	1071.8
62.5°	1273.6	1253.7	1234.7	1218.8	1199.8	1191.2	1183.5	1178.6
65°	1377.6	1354.5	1330.6	1313.8	1294.8	1282.6	1273.1	1266.3
67.5°	1458.2	1423.3	1391.2	1363.1	1337.4	1318.4	1306.1	1299.8
69°	1480.8	1437.3	1396.2	1359.5	1329.2	1307.9	1294.4	1288.0
70°	1478.1	1430.1	1384.9	1344.6	1311.6	1288.9	1275.8	1264.1
72.5°	1394.4	1350.5	1300.3	1256.4	1226.5	1204.8	1191.7	1185.3
75°	1189.9	1160.5	1124.3	1090.3	1068.6	1055.9	1039.7	1040.1
77.5°	866.4	867.3	842.9	808.0	783.6	779.1	771.8	764.6
80°	537.5	494.5	466.4	428.9	401.3	377.3	366.9	344.3
82.5°	247.9	193.6	150.2	113.6	87.3	68.3	59.7	48.9
85°	55.2	42.1	34.8	28.1	24.0	22.2	18.1	16.7
87.5°	7.7	6.8	6.3	5.9	5.0	3.6	2.7	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)