

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: P180072

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180072
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: ICM-F02-LED-E1-5WQ-7030
Description: ICON SITE MEDIUM 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: 4466.2 lumens
Efficiency: N/A
Efficacy: 81.2 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

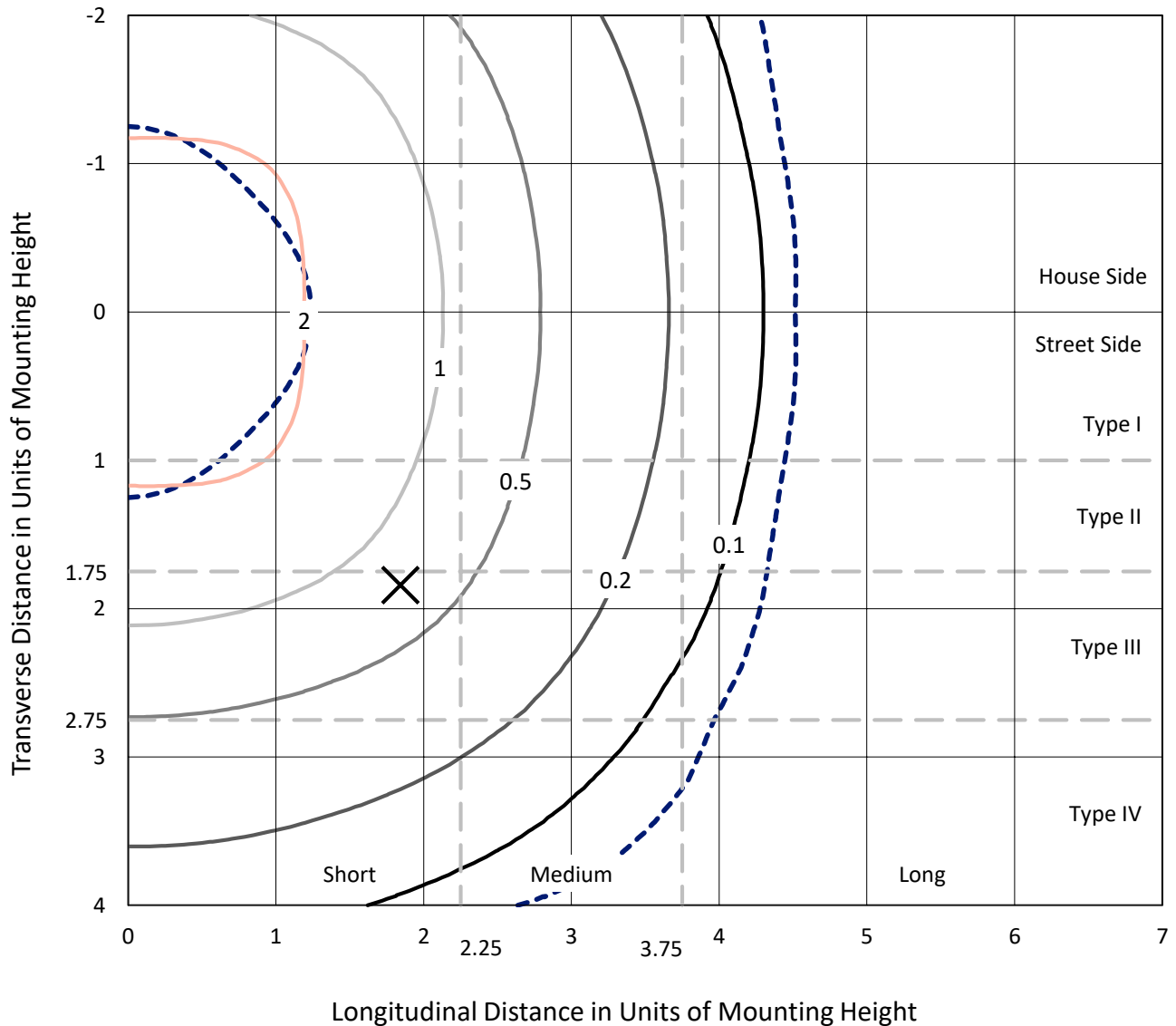
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

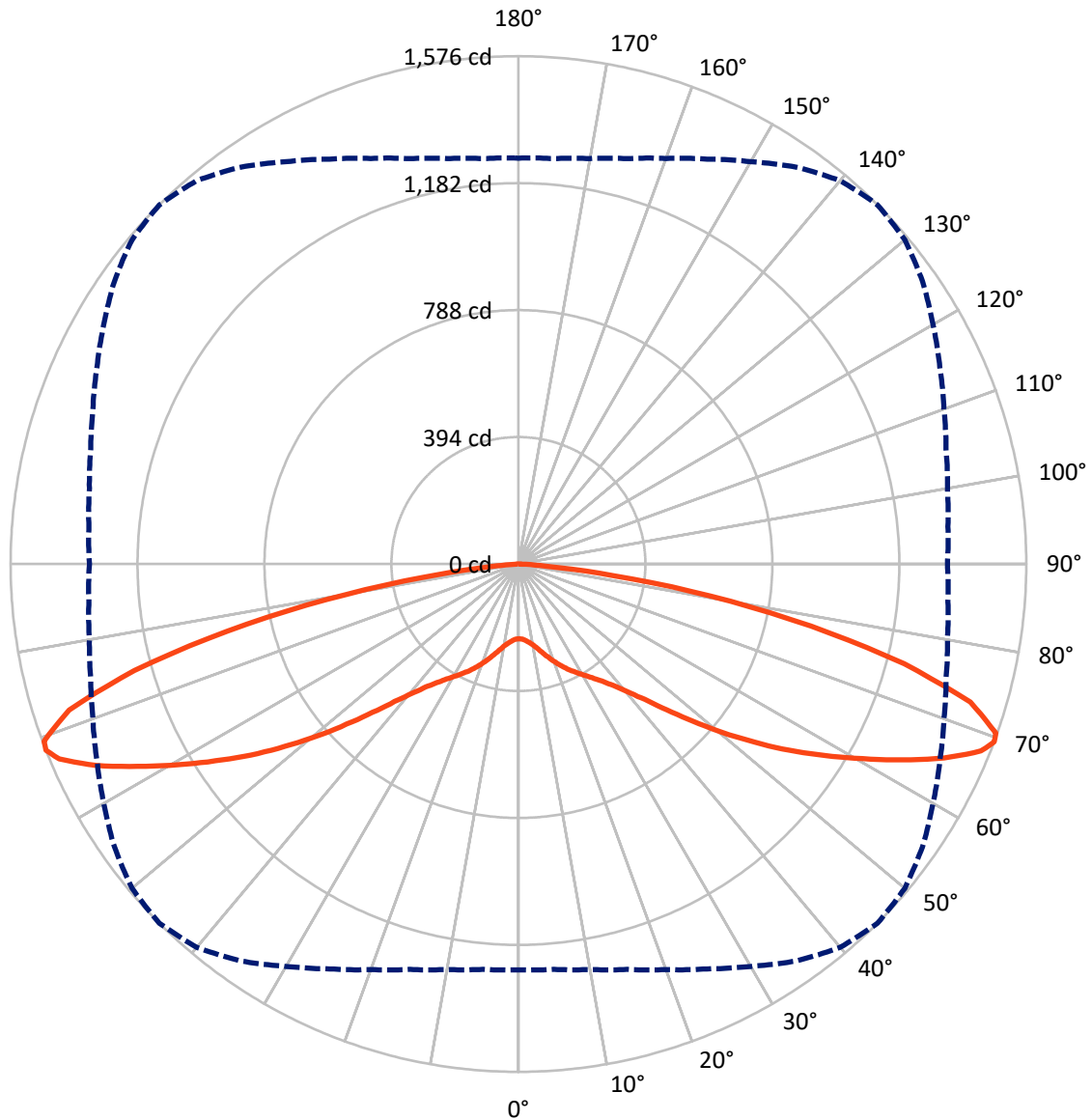


Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2233.1	0.0	2233.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2233.1	0.0	2233.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	4466.2	0.0	4466.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.5
10°-20°	82.2	1.8
20°-30°	166.5	3.7
30°-40°	279.2	6.3
40°-50°	492.5	11.0
50°-60°	868.4	19.4
60°-70°	1325.8	29.7
70°-80°	1107.9	24.8
80°-90°	120.4	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°	4466.2	100.0
0°-180°	4466.2	100.0



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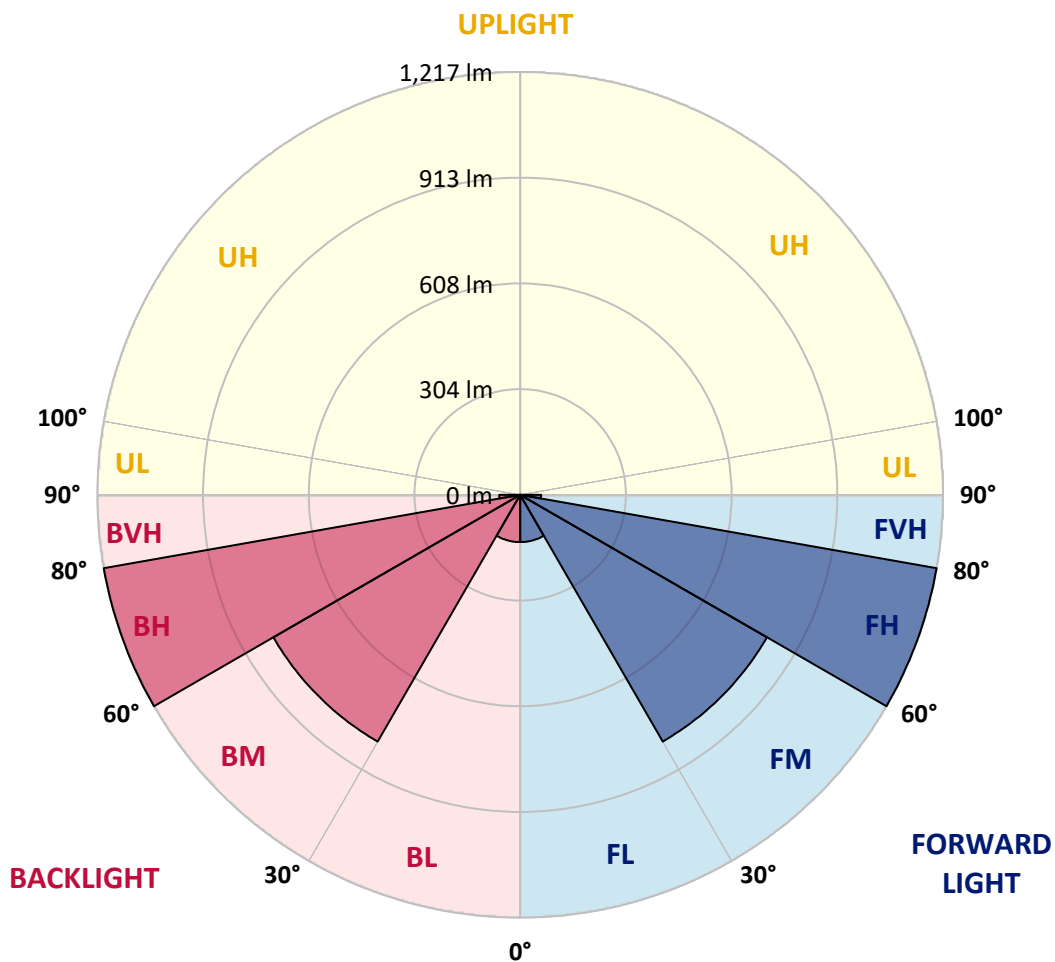
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.0	3.0			
FM	(30°-60°)	820.0	18.4			
FH	(60°-80°)	1216.9	27.2			G1/1800
FVH	(80°-90°)	60.2	1.3			G1/100
BL	(0°-30°)	136.0	3.0	B1/500		
BM	(30°-60°)	820.0	18.4	B1/1000		
BH	(60°-80°)	1216.9	27.2	B3/2500		G1/1800
BVH	(80°-90°)	60.2	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°	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9
2.5°	233.8	234.2	233.8	233.8	233.8	233.8	233.8	233.3	233.3	233.3	233.8
5°	238.5	239.0	238.5	239.0	239.0	239.0	239.0	238.5	238.5	238.5	238.5
7.5°	246.0	246.0	246.0	246.4	246.0	246.0	246.4	246.0	246.0	246.0	246.0
10°	256.7	256.3	256.3	256.3	256.3	256.3	256.7	256.7	256.7	256.3	256.3
12.5°	269.8	269.3	269.8	269.8	270.2	270.2	270.2	270.2	270.2	270.2	269.8
15°	285.7	285.7	285.7	286.1	287.1	287.1	286.6	287.1	287.1	287.1	287.1
17.5°	303.4	304.4	303.4	303.9	304.4	303.9	304.8	305.3	305.8	305.3	303.9
20°	321.7	322.1	322.1	322.1	322.1	323.1	323.5	323.5	325.0	324.5	324.0
22.5°	339.0	339.9	339.9	340.4	340.4	341.8	341.8	341.8	342.8	343.7	342.8
25°	357.2	356.7	356.7	357.7	358.1	360.0	360.0	361.0	362.4	362.9	362.0
27.5°	373.6	373.1	373.1	374.5	375.0	377.3	377.3	379.3	380.2	380.7	379.7
30°	390.9	390.9	390.4	391.8	393.2	395.1	396.1	398.0	399.4	399.8	398.9
32.5°	411.4	410.5	411.0	411.9	412.9	414.8	416.2	418.5	420.4	420.8	419.9
35°	434.9	433.5	434.0	434.9	436.3	439.1	441.4	442.8	445.6	446.5	444.7
37.5°	460.6	461.0	460.6	462.9	465.2	468.6	471.4	473.2	476.0	477.4	476.0
40°	497.0	495.6	497.0	499.4	503.2	507.4	512.9	514.3	517.1	520.0	516.7
42.5°	544.3	543.4	546.6	548.5	552.7	557.4	564.4	568.1	572.4	574.2	571.4
45°	606.1	606.1	609.8	610.2	616.7	622.8	632.7	637.3	645.3	645.3	645.3
47.5°	674.2	677.1	679.4	684.1	688.7	700.0	709.8	720.1	727.5	728.5	727.1
50°	744.8	747.7	754.7	761.2	771.5	785.6	796.3	809.9	816.4	822.1	820.2
52.5°	823.0	823.4	831.8	840.3	855.3	870.7	888.0	902.0	913.7	918.8	914.6
55°	908.6	909.5	916.9	925.9	942.7	960.5	982.0	996.5	1011.4	1020.8	1013.8
57.5°	1001.1	1001.6	1009.0	1019.8	1039.9	1057.7	1078.2	1098.9	1112.8	1121.3	1116.7
60°	1103.5	1105.9	1111.4	1125.0	1144.2	1162.9	1183.4	1201.7	1218.1	1227.0	1222.3
62.5°	1212.9	1215.3	1223.3	1234.0	1250.8	1271.4	1291.1	1314.4	1328.0	1337.8	1330.8
65°	1286.3	1290.5	1303.2	1317.7	1342.4	1369.1	1392.0	1423.8	1440.2	1451.9	1445.3
67.5°	1291.1	1293.4	1308.8	1330.8	1364.0	1404.2	1451.0	1500.5	1532.8	1548.2	1537.0
69°	1259.3	1262.5	1277.5	1302.2	1339.2	1386.0	1441.6	1503.4	1552.8	1575.8	1565.0
70°	1223.3	1230.2	1246.6	1273.8	1309.8	1358.8	1416.4	1482.2	1540.3	1571.5	1563.6
72.5°	1147.4	1149.3	1160.1	1181.6	1209.2	1249.9	1304.1	1366.3	1421.5	1466.3	1472.9
75°	1018.4	1024.5	1032.5	1047.0	1060.9	1090.4	1126.9	1169.5	1201.7	1236.3	1237.7
77.5°	769.7	787.9	794.0	797.2	803.4	826.7	858.5	895.4	922.1	927.7	926.8
80°	345.6	369.9	375.4	402.1	418.5	457.3	506.0	562.5	600.4	604.6	594.3
82.5°	67.8	72.5	84.7	105.7	144.0	167.0	198.7	238.5	275.0	296.0	283.4
85°	22.4	23.8	27.6	30.4	35.1	39.7	48.2	59.8	74.3	82.3	73.4
87.5°	8.9	8.9	10.3	11.3	12.2	12.2	12.2	11.3	10.8	8.9	7.9
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°	231.9	231.9	231.9	231.9	231.9	231.9	231.9	231.9
2.5°	233.3	233.3	233.3	233.3	233.3	233.3	233.3	233.3
5°	238.5	238.0	238.0	237.6	237.6	237.6	237.6	237.6
7.5°	245.5	245.0	244.6	245.0	244.6	244.6	244.6	244.6
10°	256.3	255.4	254.9	254.3	254.3	254.3	253.9	253.9
12.5°	268.8	268.8	268.4	267.9	267.0	267.4	267.0	266.0
15°	286.1	285.2	284.7	284.3	283.4	283.4	283.4	282.9
17.5°	303.4	302.5	302.5	301.1	300.7	300.7	300.7	301.1
20°	322.6	321.2	320.3	319.4	318.4	318.9	318.0	318.9
22.5°	341.8	339.9	339.0	337.6	336.2	336.2	335.7	334.8
25°	360.6	358.1	357.2	355.8	354.0	354.0	353.0	352.1
27.5°	378.3	375.9	375.0	372.2	370.3	369.9	368.9	368.5
30°	398.0	395.1	393.7	390.9	388.1	387.6	386.2	386.2
32.5°	418.5	415.7	414.8	410.5	408.2	408.2	407.3	406.3
35°	444.2	440.0	439.1	434.9	431.6	431.6	430.7	431.2
37.5°	474.6	471.4	468.1	464.7	461.0	460.6	459.6	458.7
40°	515.3	511.5	507.8	503.2	499.8	498.9	497.5	497.0
42.5°	569.5	565.8	558.3	554.6	551.3	548.5	548.0	547.5
45°	638.7	634.1	628.9	621.9	617.7	611.6	610.7	608.4
47.5°	722.0	713.1	704.2	698.1	691.5	684.6	683.2	679.4
50°	810.3	803.4	788.4	778.5	768.3	761.2	756.6	755.2
52.5°	905.3	892.2	877.2	864.1	849.1	839.8	831.4	829.0
55°	1004.4	985.7	967.0	951.5	936.6	925.4	917.4	913.7
57.5°	1103.5	1083.0	1062.3	1045.6	1032.9	1018.4	1010.5	1008.6
60°	1206.9	1187.3	1166.1	1149.3	1134.0	1121.3	1116.7	1107.7
62.5°	1316.3	1295.7	1276.1	1259.7	1240.1	1231.2	1223.3	1218.1
65°	1423.8	1400.0	1375.2	1357.9	1338.2	1325.6	1315.8	1308.8
67.5°	1507.1	1471.1	1437.9	1408.8	1382.2	1362.6	1350.0	1343.4
69°	1530.4	1485.6	1443.0	1405.1	1373.8	1351.8	1337.8	1331.3
70°	1527.6	1478.1	1431.3	1389.7	1355.5	1332.2	1318.6	1306.4
72.5°	1441.1	1395.7	1343.9	1298.5	1267.6	1245.2	1231.6	1225.1
75°	1229.8	1199.4	1162.0	1126.9	1104.5	1091.4	1074.5	1075.0
77.5°	895.4	896.4	871.2	835.2	809.9	805.2	797.7	790.2
80°	555.5	511.1	482.0	443.3	414.8	390.0	379.3	355.8
82.5°	256.3	200.1	155.3	117.4	90.2	70.6	61.8	50.5
85°	57.0	43.4	36.0	29.0	24.7	22.9	18.7	17.3
87.5°	7.9	7.0	6.5	6.0	5.1	3.7	2.8	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)