

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: P179982

Luminaire Tested: **ICM-F03-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P179982
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-5MQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6783.4 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

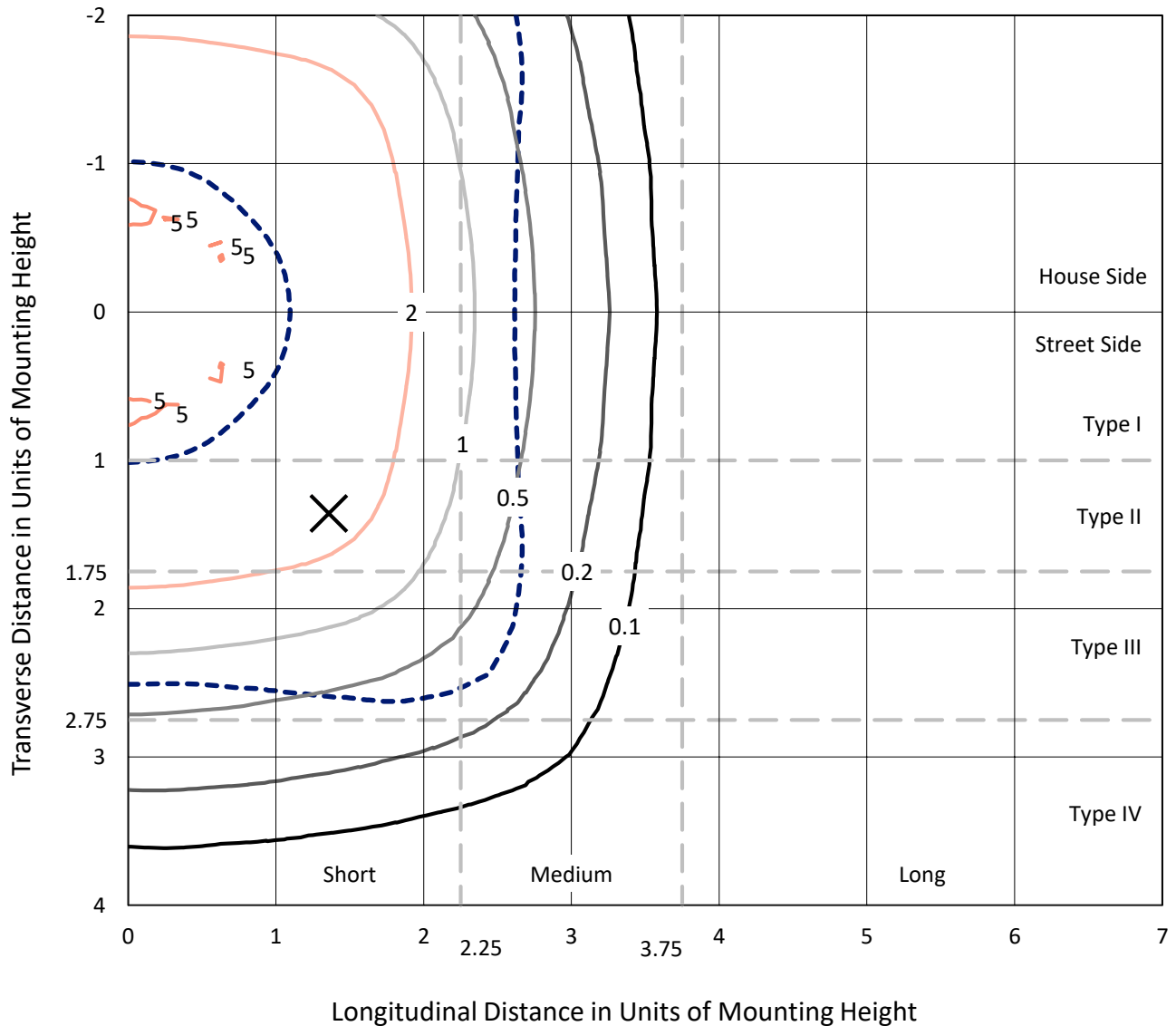
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

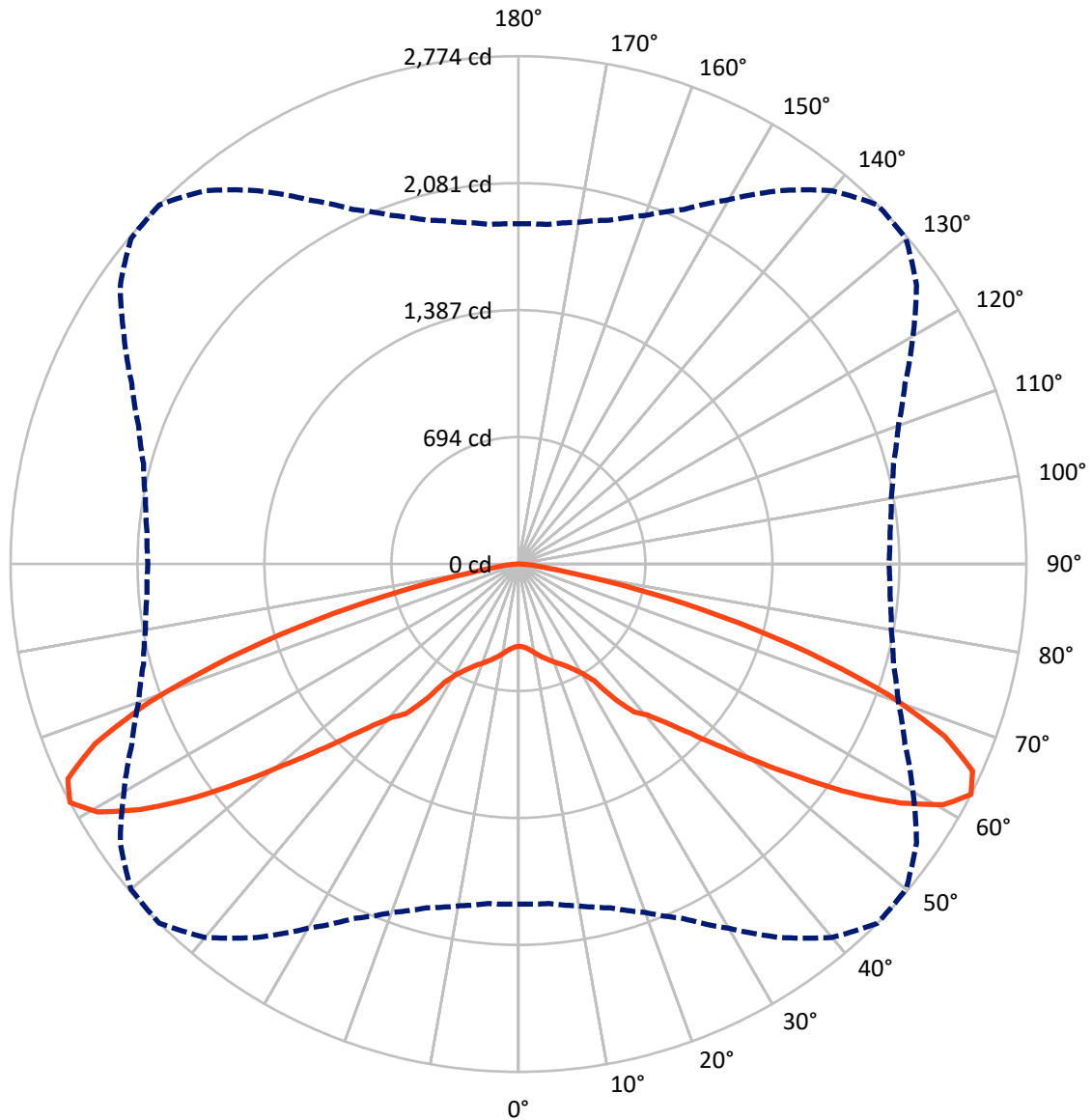
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3391.7	0.0	3391.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3391.7	0.0	3391.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	6783.4	0.0	6783.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	0.7
10°-20°	152.5	2.2
20°-30°	294.9	4.3
30°-40°	571.0	8.4
40°-50°	1031.1	15.2
50°-60°	1792.9	26.4
60°-70°	2035.4	30.0
70°-80°	789.1	11.6
80°-90°	71.2	1.0
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°	6783.4	100.0
0°-180°	6783.4	100.0



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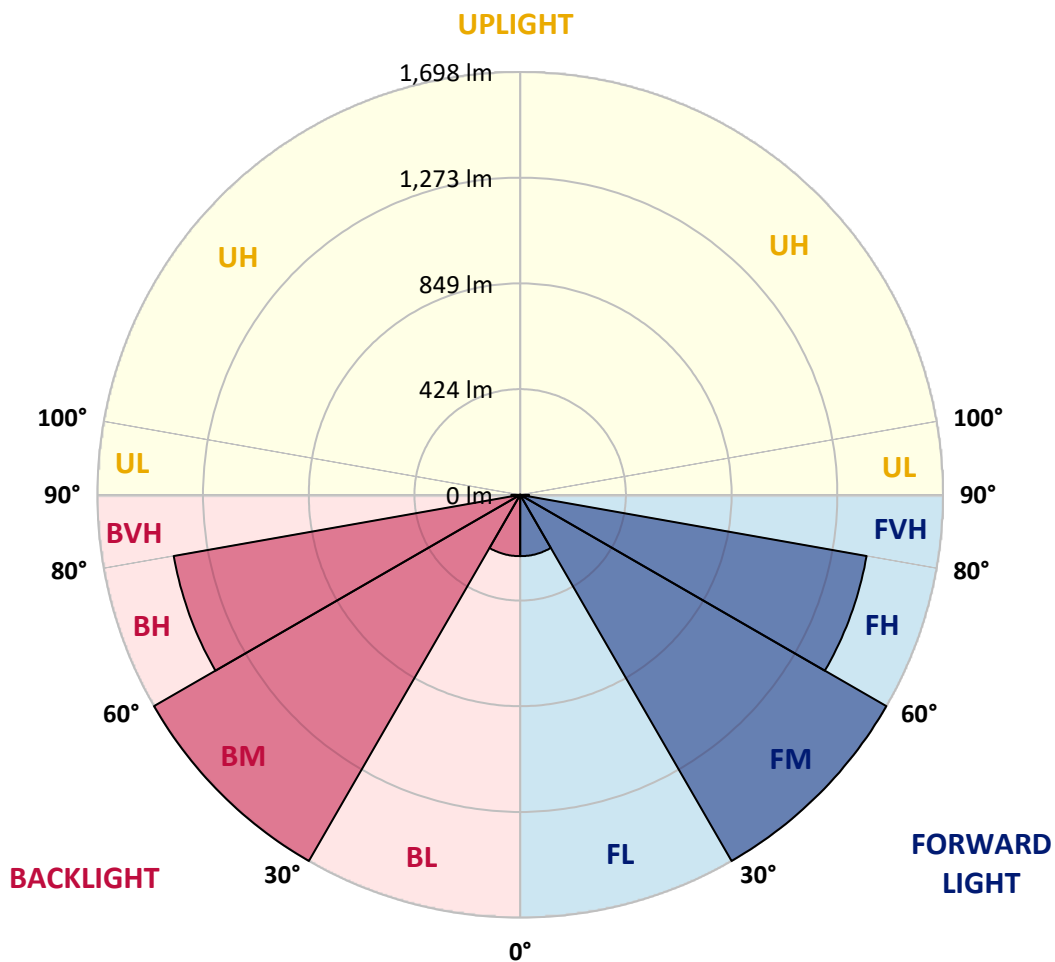
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.3	3.6			
FM (30°-60°)	1697.5	25.0			
FH (60°-80°)	1412.3	20.8			G1/1800
FVH (80°-90°)	35.6	0.5			G1/100
BL (0°-30°)	246.3	3.6	B1/500		
BM (30°-60°)	1697.5	25.0	B2/2500		
BH (60°-80°)	1412.3	20.8	B3/2500		G1/1800
BVH (80°-90°)	35.6	0.5			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°	450.3	450.3	450.3	450.3	450.3	450.3	450.3	450.3	450.3	450.3	450.3
2.5°	453.1	454.5	454.1	453.4	453.4	453.5	453.1	452.1	451.7	452.4	453.0
5°	463.6	463.6	463.6	463.6	462.9	462.9	462.2	461.6	461.9	461.2	460.8
7.5°	479.8	478.7	478.7	478.3	478.3	477.6	476.6	475.2	475.5	475.2	474.8
10°	498.7	499.0	498.0	499.1	497.3	496.9	495.5	494.9	494.5	493.4	493.4
12.5°	521.5	520.4	520.5	519.7	519.1	518.3	516.3	515.9	514.4	513.8	512.7
15°	542.9	542.5	541.1	539.7	539.4	538.7	536.2	534.8	534.4	532.7	531.4
17.5°	564.3	563.5	561.9	561.1	559.7	558.7	556.6	554.4	553.4	552.7	551.0
20°	587.1	586.3	584.6	583.3	581.4	580.1	576.9	575.2	574.1	573.0	571.6
22.5°	615.4	614.1	611.3	608.7	604.9	603.5	599.3	596.8	595.2	593.8	593.0
25°	646.3	646.7	642.8	639.6	635.2	631.3	626.1	623.2	621.4	620.0	619.7
27.5°	684.9	685.2	681.7	677.2	670.1	666.1	659.0	655.4	654.3	653.0	652.7
30°	745.9	742.8	736.8	729.5	723.1	714.1	703.8	700.3	696.8	695.8	695.8
32.5°	858.1	856.4	851.5	833.3	824.8	805.9	788.0	777.9	766.3	760.7	757.2
35°	936.7	936.0	932.1	925.9	920.6	916.7	906.2	904.4	902.3	902.3	905.1
37.5°	994.6	990.3	989.7	990.7	989.3	990.0	998.4	1010.1	1019.8	1024.8	1024.0
40°	1080.2	1074.2	1077.8	1075.2	1072.0	1071.4	1074.2	1078.7	1083.4	1083.3	1082.2
42.5°	1192.0	1194.8	1196.2	1186.1	1179.4	1177.6	1184.4	1182.9	1187.4	1185.7	1181.1
45°	1358.3	1356.5	1354.1	1341.8	1331.3	1322.8	1324.6	1322.1	1322.4	1319.6	1316.2
47.5°	1525.9	1531.8	1521.7	1515.7	1503.8	1497.8	1502.7	1498.5	1506.6	1491.9	1484.8
50°	1688.6	1692.8	1689.3	1680.9	1680.9	1689.3	1695.3	1703.0	1714.2	1697.4	1672.1
52.5°	1821.9	1825.4	1830.7	1837.6	1854.9	1872.8	1898.0	1925.0	1946.3	1943.3	1914.4
55°	1903.3	1907.4	1916.2	1940.4	1971.3	2018.2	2075.4	2138.2	2187.3	2211.2	2190.2
57.5°	1930.6	1933.8	1957.6	1986.7	2034.7	2104.6	2200.3	2308.7	2403.0	2462.9	2453.5
60°	1924.3	1924.3	1948.5	1988.5	2055.8	2148.4	2283.7	2433.9	2578.2	2668.1	2654.8
62.5°	1858.0	1861.5	1896.2	1944.2	2025.7	2136.5	2297.8	2489.6	2662.5	2774.0	2763.2
65°	1712.8	1715.3	1752.8	1810.0	1900.8	2031.9	2208.4	2420.9	2619.0	2726.3	2706.0
67.5°	1478.2	1480.6	1511.2	1575.6	1671.8	1808.9	1999.3	2233.2	2427.2	2512.1	2451.0
70°	1175.8	1182.9	1202.6	1270.9	1343.8	1478.2	1653.6	1887.5	2070.5	2150.8	2083.5
72.5°	801.3	819.2	843.1	903.8	973.5	1085.0	1224.6	1421.8	1568.7	1661.6	1601.7
75°	451.4	476.6	483.9	529.9	587.4	675.4	777.5	918.9	1067.2	1142.5	1070.3
77.5°	195.0	215.6	224.8	246.2	291.1	327.9	390.0	485.4	600.0	653.0	566.3
80°	96.1	101.0	104.8	111.5	124.2	136.1	165.6	207.3	254.2	266.2	211.9
82.5°	74.3	77.9	84.5	89.9	92.9	96.1	98.9	104.6	109.0	111.4	105.2
85°	52.3	56.8	64.2	70.1	73.7	76.1	78.5	80.4	76.1	69.4	72.9
87.5°	13.7	17.9	24.9	27.0	30.5	32.3	31.6	32.6	29.4	21.4	23.8
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°	450.3	450.3	450.3	450.3	450.3	450.3	450.3	450.3
2.5°	452.7	452.4	452.7	452.7	452.7	452.4	452.4	452.4
5°	460.8	460.8	461.2	460.5	460.5	460.8	460.5	460.1
7.5°	474.5	474.1	474.1	473.8	474.1	473.9	473.8	473.4
10°	492.7	492.0	492.4	491.4	491.4	491.0	491.0	491.0
12.5°	512.4	511.3	511.6	510.6	508.8	509.2	509.6	509.2
15°	531.4	530.2	529.2	528.6	527.4	527.8	527.8	527.4
17.5°	550.6	548.5	548.1	547.1	546.8	546.7	546.8	547.1
20°	570.6	569.1	568.8	567.8	567.4	568.6	568.8	568.1
22.5°	592.0	591.3	592.0	591.3	592.4	593.0	593.4	592.7
25°	619.0	618.2	619.4	621.8	623.3	623.8	625.7	624.9
27.5°	653.7	653.0	655.4	659.0	661.0	664.6	666.3	667.0
30°	698.6	701.8	703.2	710.1	711.5	717.1	717.1	719.6
32.5°	763.8	769.8	780.3	791.2	806.2	817.1	817.1	822.7
35°	907.0	909.4	917.4	919.2	922.3	925.8	922.3	925.1
37.5°	1016.8	1005.8	998.1	987.2	980.5	980.6	981.2	980.6
40°	1072.8	1068.6	1065.0	1055.9	1054.5	1054.1	1054.1	1055.6
42.5°	1173.1	1162.9	1157.3	1149.6	1147.2	1146.4	1146.1	1146.8
45°	1303.5	1287.1	1272.0	1264.3	1257.6	1251.3	1253.4	1253.4
47.5°	1455.5	1429.8	1405.2	1391.9	1380.4	1375.1	1371.5	1370.5
50°	1640.2	1604.5	1572.8	1547.9	1531.2	1530.8	1532.6	1521.3
52.5°	1866.8	1810.2	1771.0	1737.3	1721.6	1719.8	1714.2	1707.9
55°	2117.9	2050.8	1986.1	1949.9	1929.2	1918.0	1911.3	1900.8
57.5°	2376.7	2286.5	2193.3	2135.5	2099.0	2073.7	2060.3	2054.3
60°	2576.2	2453.1	2330.1	2237.1	2176.4	2138.9	2115.7	2106.2
62.5°	2654.7	2487.8	2330.1	2208.0	2120.3	2068.4	2037.2	2023.5
65°	2561.1	2363.4	2183.8	2049.1	1951.3	1893.4	1859.4	1844.7
67.5°	2299.5	2124.9	1929.5	1795.5	1694.9	1637.8	1600.9	1590.1
70°	1927.8	1749.3	1562.7	1443.2	1353.4	1306.7	1268.5	1263.9
72.5°	1448.8	1294.7	1134.8	1035.9	963.7	886.5	866.9	876.7
75°	928.7	784.6	642.1	553.1	487.1	413.5	385.1	392.1
77.5°	439.8	340.5	245.8	190.1	159.5	136.4	130.4	127.0
80°	163.1	132.3	116.8	110.9	106.6	102.7	99.9	96.8
82.5°	105.5	103.1	99.9	98.9	95.7	90.8	81.7	77.9
85°	78.9	78.9	74.7	75.0	72.7	66.2	57.9	53.3
87.5°	23.2	20.7	18.9	17.5	17.2	15.4	11.3	9.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)