

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: P180177

Luminaire Tested: **ICM-E03-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180177
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: ICM-E03-LED-E1-5XQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8106.4 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G3

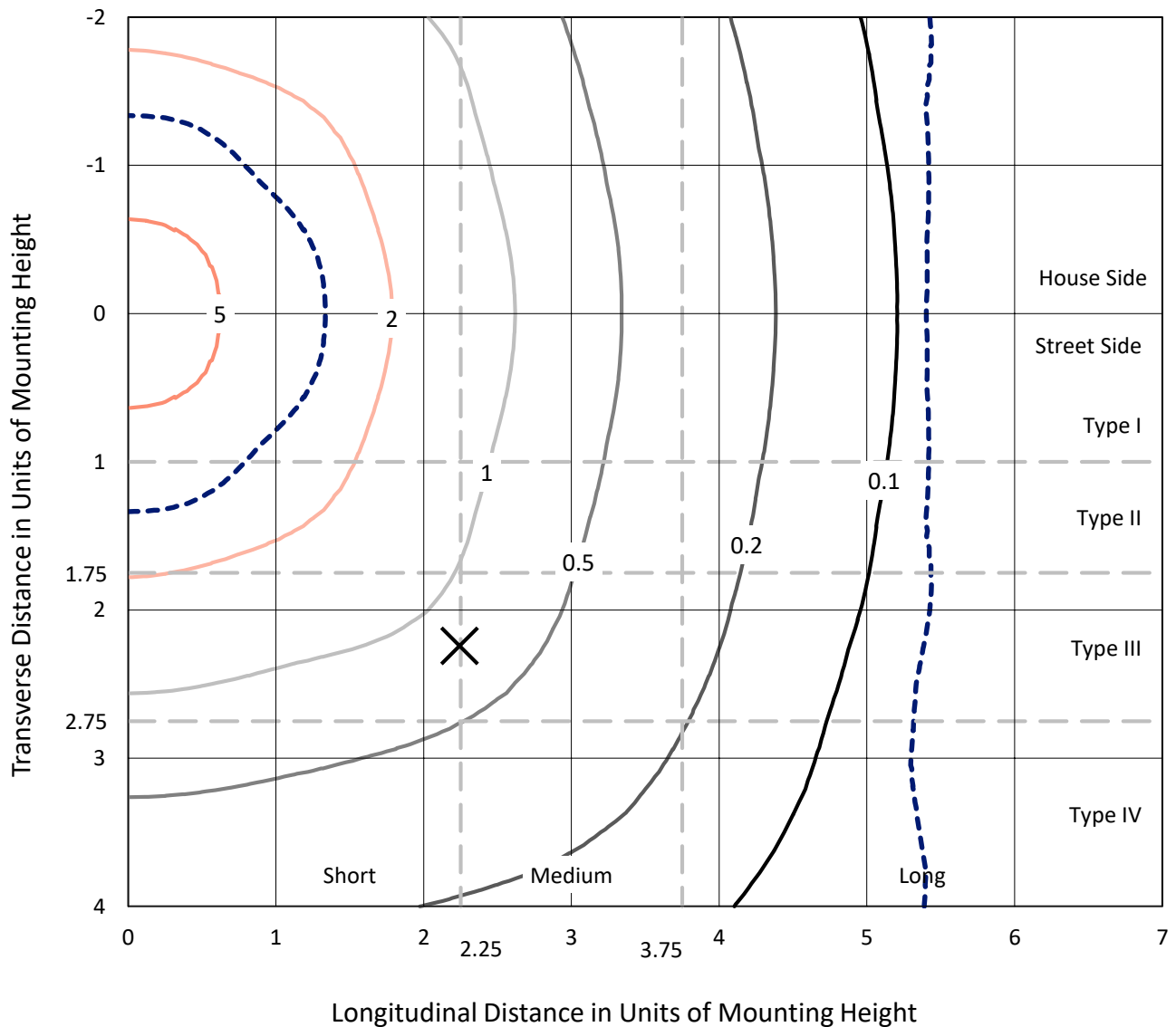
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

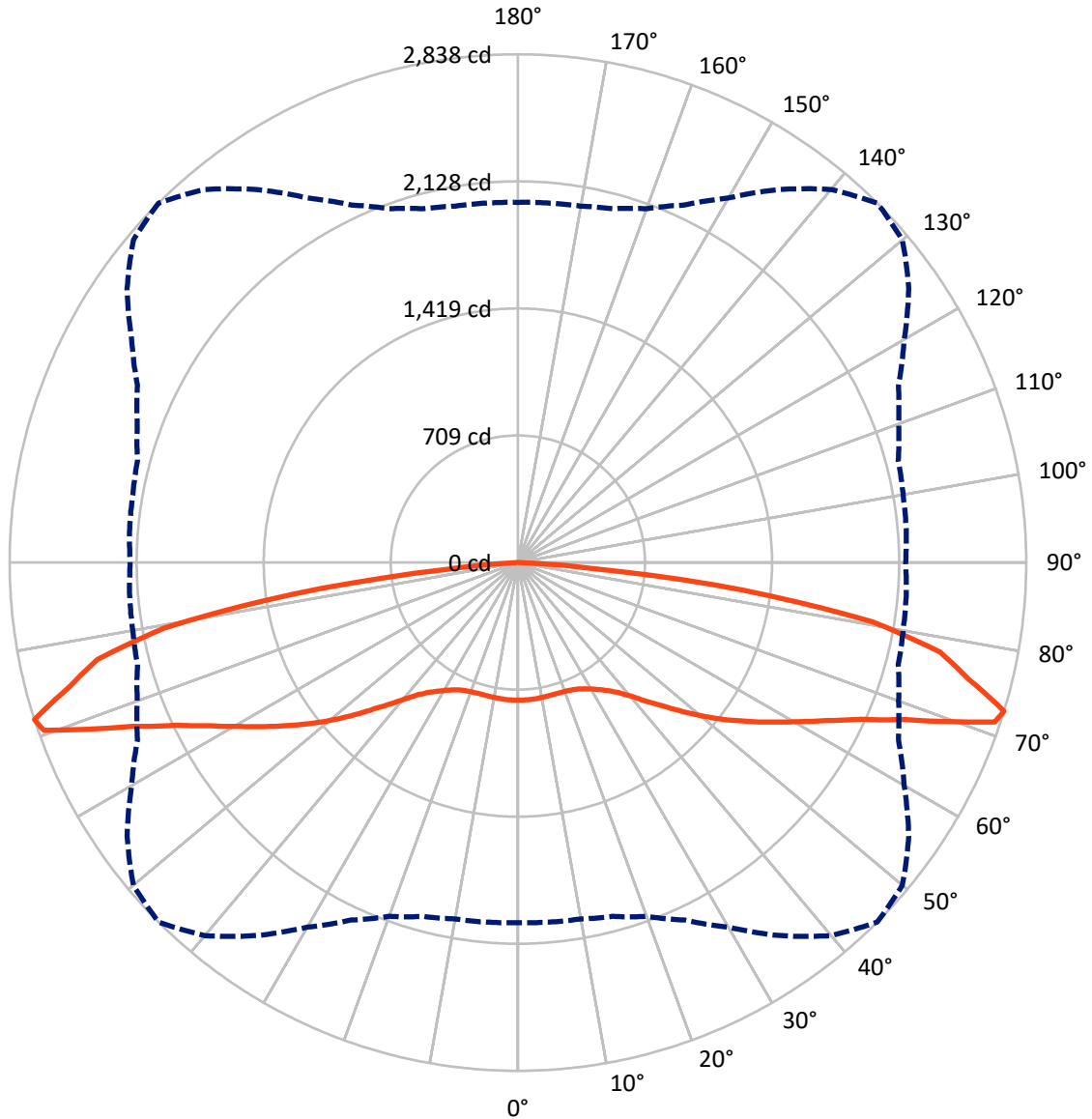
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4053.2	0.0	4053.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4053.2	0.0	4053.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8106.4	0.0	8106.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	0.9
10°-20°	216.5	2.7
20°-30°	362.6	4.5
30°-40°	552.8	6.8
40°-50°	882.7	10.9
50°-60°	1357.1	16.7
60°-70°	1976.0	24.4
70°-80°	2226.0	27.5
80°-90°	459.5	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°	8106.4	100.0
0°-180°	8106.4	100.0



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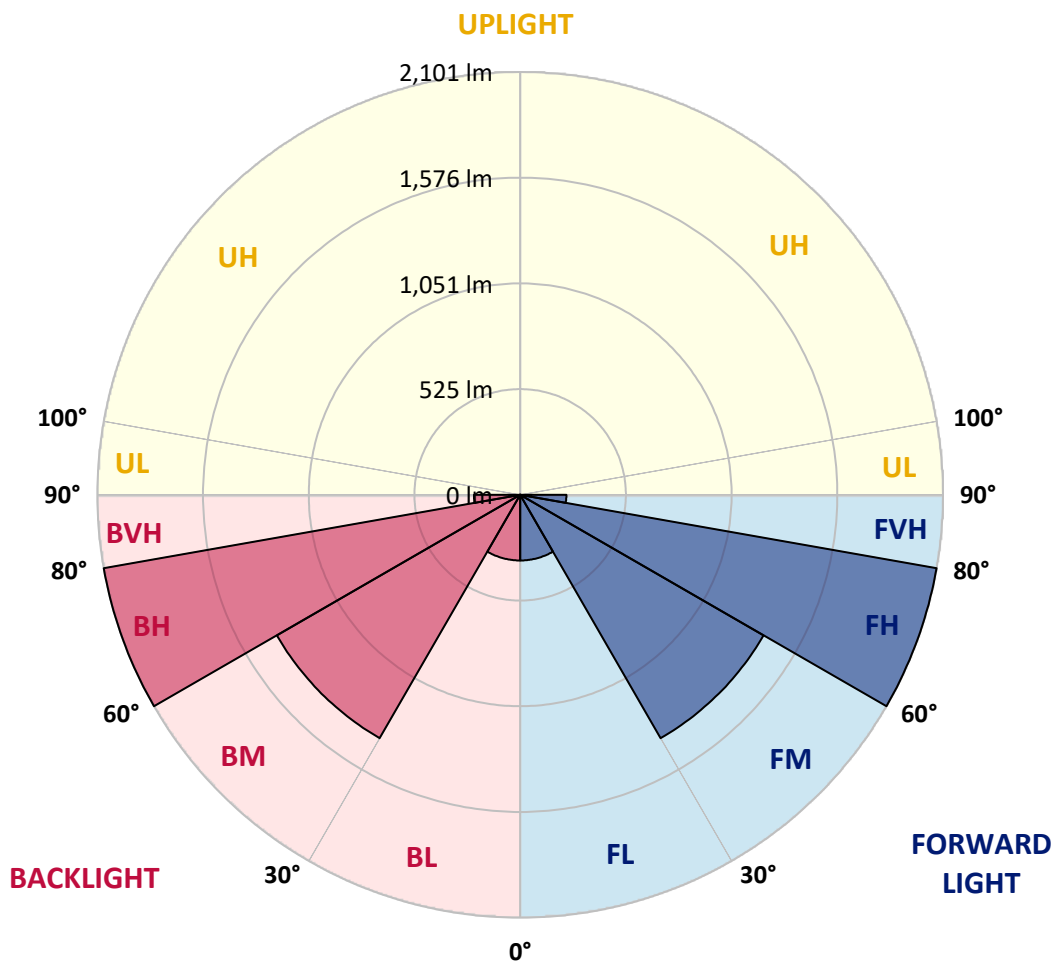
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.2	4.0			
FM	(30°-60°)	1396.3	17.2			
FH	(60°-80°)	2101.0	25.9			G2/5000
FVH	(80°-90°)	229.8	2.8			G3/500
BL	(0°-30°)	326.2	4.0	B1/500		
BM	(30°-60°)	1396.3	17.2	B2/2500		
BH	(60°-80°)	2101.0	25.9	B3/2500		G2/5000
BVH	(80°-90°)	229.8	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1
2.5°	769.3	769.8	769.6	769.1	769.3	769.1	768.7	768.5	767.0	767.8	769.1
5°	769.3	768.9	768.7	768.5	768.5	769.1	768.5	767.8	767.6	768.1	767.4
7.5°	768.9	768.1	767.6	767.4	767.6	767.8	767.3	766.3	767.0	766.3	765.5
10°	767.6	767.0	767.2	766.3	766.6	766.3	765.5	764.8	765.3	764.7	763.6
12.5°	768.1	767.0	766.8	766.3	766.1	766.0	764.8	763.8	764.0	763.6	762.6
15°	768.1	767.4	767.3	766.3	766.1	765.7	764.5	764.0	764.0	763.4	762.1
17.5°	768.6	768.1	768.1	767.0	766.6	766.3	764.8	764.3	764.8	763.6	762.8
20°	769.8	769.3	769.6	768.9	768.1	768.1	767.0	766.5	766.8	766.5	764.3
22.5°	772.3	772.3	772.7	772.5	772.3	772.6	771.7	771.6	771.9	771.9	770.0
25°	779.5	779.4	779.7	779.7	779.9	781.4	780.8	780.6	781.7	781.6	779.7
27.5°	793.1	792.7	793.1	793.6	794.6	796.6	796.1	796.7	798.4	798.1	796.3
30°	808.8	808.4	809.5	810.8	811.6	814.5	813.3	816.5	818.0	819.3	818.0
32.5°	831.8	831.8	833.7	834.5	836.5	839.4	839.8	842.4	844.3	846.4	844.9
35°	862.3	862.0	863.4	864.9	867.3	870.1	871.1	874.5	877.4	879.0	876.2
37.5°	909.1	906.8	909.6	910.3	912.3	912.9	915.9	920.2	923.4	923.0	921.0
40°	972.5	972.0	970.9	969.7	972.6	973.7	973.7	979.4	984.6	983.6	983.4
42.5°	1046.3	1044.4	1043.2	1043.2	1044.8	1045.2	1051.8	1056.1	1059.7	1060.6	1059.7
45°	1125.8	1123.9	1124.3	1123.4	1124.1	1126.8	1130.6	1138.5	1145.3	1145.5	1141.9
47.5°	1211.2	1205.2	1209.9	1203.3	1207.4	1209.5	1219.0	1230.5	1242.4	1244.5	1241.3
50°	1297.9	1297.2	1296.8	1295.4	1297.4	1302.1	1313.7	1331.7	1343.3	1350.9	1345.8
52.5°	1392.6	1389.4	1387.8	1385.8	1387.6	1396.8	1413.1	1428.8	1449.5	1458.1	1451.2
55°	1484.8	1483.7	1478.1	1478.0	1482.0	1496.2	1514.1	1533.4	1555.7	1565.4	1562.9
57.5°	1579.5	1573.3	1571.6	1569.0	1577.1	1590.5	1612.4	1647.3	1670.3	1681.4	1675.1
60°	1672.0	1667.4	1663.8	1663.0	1668.5	1687.2	1718.6	1760.5	1789.1	1803.5	1793.4
62.5°	1771.5	1768.6	1764.3	1759.4	1771.1	1795.0	1834.2	1880.5	1922.7	1940.6	1925.0
65°	1895.1	1888.9	1884.3	1878.2	1887.6	1917.9	1966.9	2032.1	2088.8	2109.6	2098.6
67.5°	2025.5	2019.8	2020.2	2016.4	2033.4	2075.2	2138.5	2227.1	2303.2	2338.6	2317.8
70°	2139.5	2142.5	2143.5	2158.9	2188.2	2251.9	2357.3	2496.0	2611.4	2665.5	2643.2
71°	2105.8	2112.9	2123.6	2139.8	2190.3	2265.8	2409.5	2577.5	2715.2	2806.9	2776.2
72.5°	2010.6	2014.9	2020.4	2045.0	2102.2	2202.1	2350.1	2542.2	2719.1	2837.8	2802.1
75°	1872.9	1877.0	1879.0	1896.2	1948.2	2035.3	2170.8	2341.1	2497.3	2598.3	2588.4
77.5°	1665.3	1665.9	1680.8	1707.4	1765.8	1865.4	2008.1	2184.9	2331.5	2410.2	2360.3
80°	1195.9	1187.7	1203.1	1237.3	1309.5	1423.7	1569.9	1771.7	1934.6	2008.1	1930.8
82.5°	455.0	479.6	518.5	575.0	599.4	726.4	862.8	981.3	1118.5	1271.9	1233.5
85°	48.8	55.0	69.0	85.6	108.1	149.6	206.7	282.0	347.7	408.7	362.8
87.5°	18.2	18.7	20.8	24.0	24.5	25.5	27.2	31.6	29.5	25.5	20.6
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°	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1
2.5°	768.1	768.3	768.1	768.3	768.3	767.4	767.6	767.3
5°	767.8	767.3	767.4	767.6	767.4	767.8	767.3	767.6
7.5°	766.8	765.5	766.0	766.0	765.5	766.1	765.8	765.6
10°	764.7	763.0	763.8	763.4	763.2	763.4	763.4	763.4
12.5°	762.8	761.7	761.9	761.7	761.5	762.1	761.9	762.1
15°	762.3	760.7	760.4	760.0	760.2	760.7	760.7	761.3
17.5°	761.9	759.8	759.6	759.2	759.4	760.2	760.4	760.0
20°	763.2	761.5	761.1	760.7	760.5	761.5	761.3	761.3
22.5°	769.1	767.0	766.8	765.1	764.5	765.0	764.7	764.7
25°	778.7	776.1	775.3	772.9	771.3	771.3	770.6	770.2
27.5°	795.9	792.0	791.3	789.3	787.0	787.4	786.1	785.9
30°	815.8	812.5	809.5	806.7	803.9	802.9	801.4	801.2
32.5°	842.0	838.1	834.6	831.2	827.4	825.9	823.3	822.0
35°	874.1	868.9	864.7	862.3	858.6	856.7	855.0	856.9
37.5°	918.9	912.7	910.6	907.8	905.3	902.3	902.9	902.3
40°	980.8	975.4	973.2	968.4	967.7	964.3	966.4	964.3
42.5°	1057.6	1047.4	1045.9	1042.1	1040.8	1038.9	1039.7	1038.2
45°	1141.0	1131.9	1130.2	1124.1	1124.3	1119.8	1121.5	1121.5
47.5°	1235.0	1225.4	1217.5	1213.0	1211.4	1208.6	1210.1	1209.9
50°	1331.8	1318.9	1310.1	1301.4	1297.6	1298.6	1295.6	1300.8
52.5°	1435.9	1416.6	1404.3	1395.9	1388.8	1390.1	1390.6	1392.1
55°	1543.5	1518.9	1501.1	1490.2	1483.6	1484.1	1486.0	1487.7
57.5°	1651.9	1621.0	1596.8	1580.8	1576.5	1578.4	1578.4	1578.2
60°	1764.3	1727.3	1696.1	1677.8	1674.0	1672.9	1681.2	1678.5
62.5°	1884.8	1840.6	1808.2	1784.8	1779.4	1783.2	1790.6	1788.9
65°	2044.8	1983.5	1941.8	1918.7	1909.4	1913.1	1923.2	1922.8
67.5°	2251.1	2165.2	2110.2	2080.6	2073.7	2078.4	2083.9	2089.2
70°	2559.6	2436.9	2358.3	2294.0	2266.4	2261.0	2266.6	2266.8
71°	2668.0	2527.3	2402.2	2323.5	2278.3	2259.2	2260.7	2251.1
72.5°	2663.6	2490.1	2343.7	2261.5	2198.6	2183.4	2175.9	2164.5
75°	2484.1	2327.8	2200.8	2111.2	2050.6	2032.6	2019.4	2018.7
77.5°	2252.9	2137.5	1997.5	1902.5	1828.8	1798.9	1785.5	1785.1
80°	1811.0	1638.3	1535.9	1478.8	1389.8	1364.1	1336.8	1326.7
82.5°	1095.2	855.8	695.8	618.3	575.4	473.9	425.2	402.2
85°	255.1	181.2	124.8	82.0	59.1	46.9	36.1	31.8
87.5°	17.2	13.6	12.1	9.8	7.4	7.2	4.5	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)