

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: P180178

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180178
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8875.5 lumens
Efficiency: N/A
Efficacy: 118.0 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

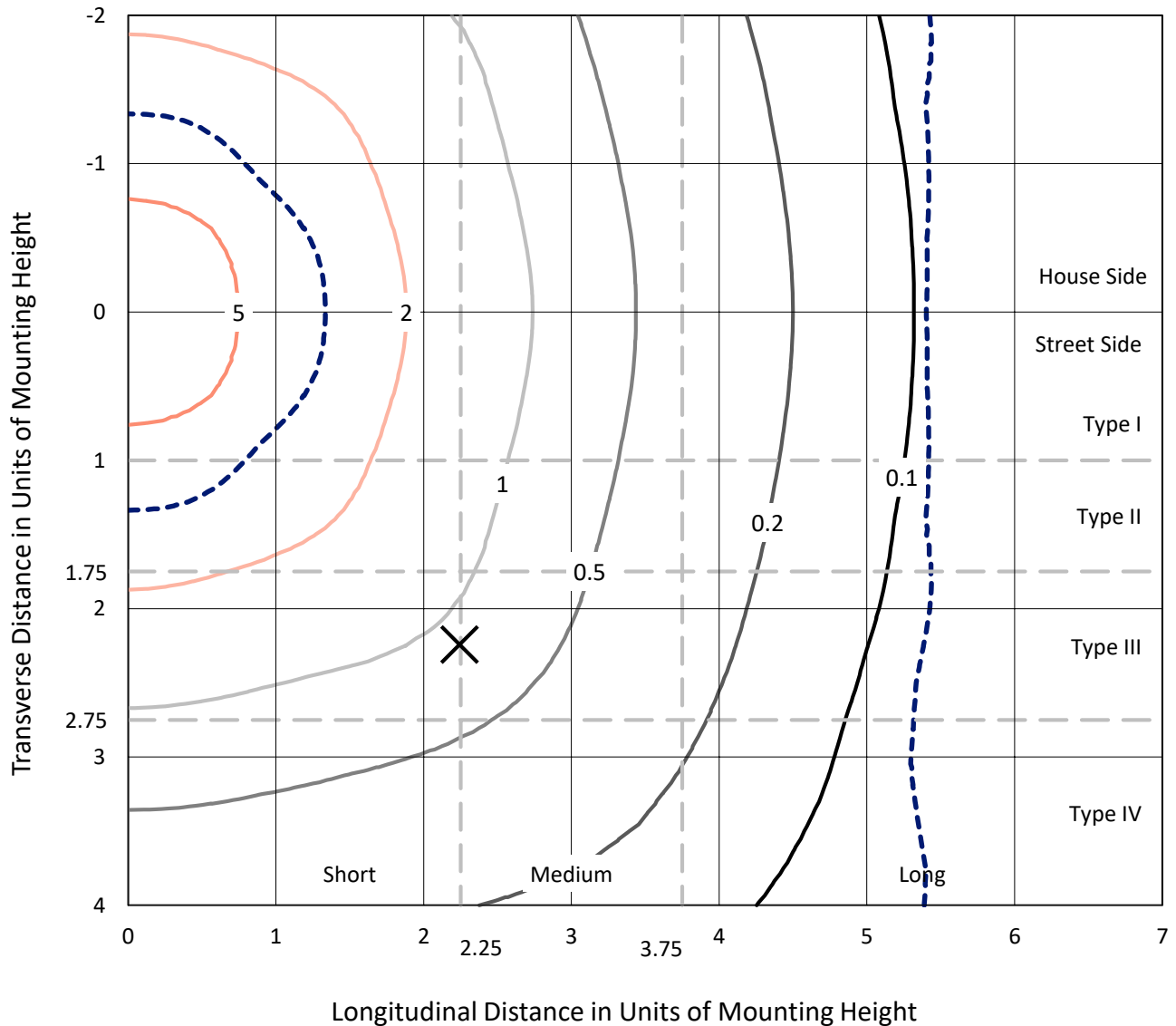
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

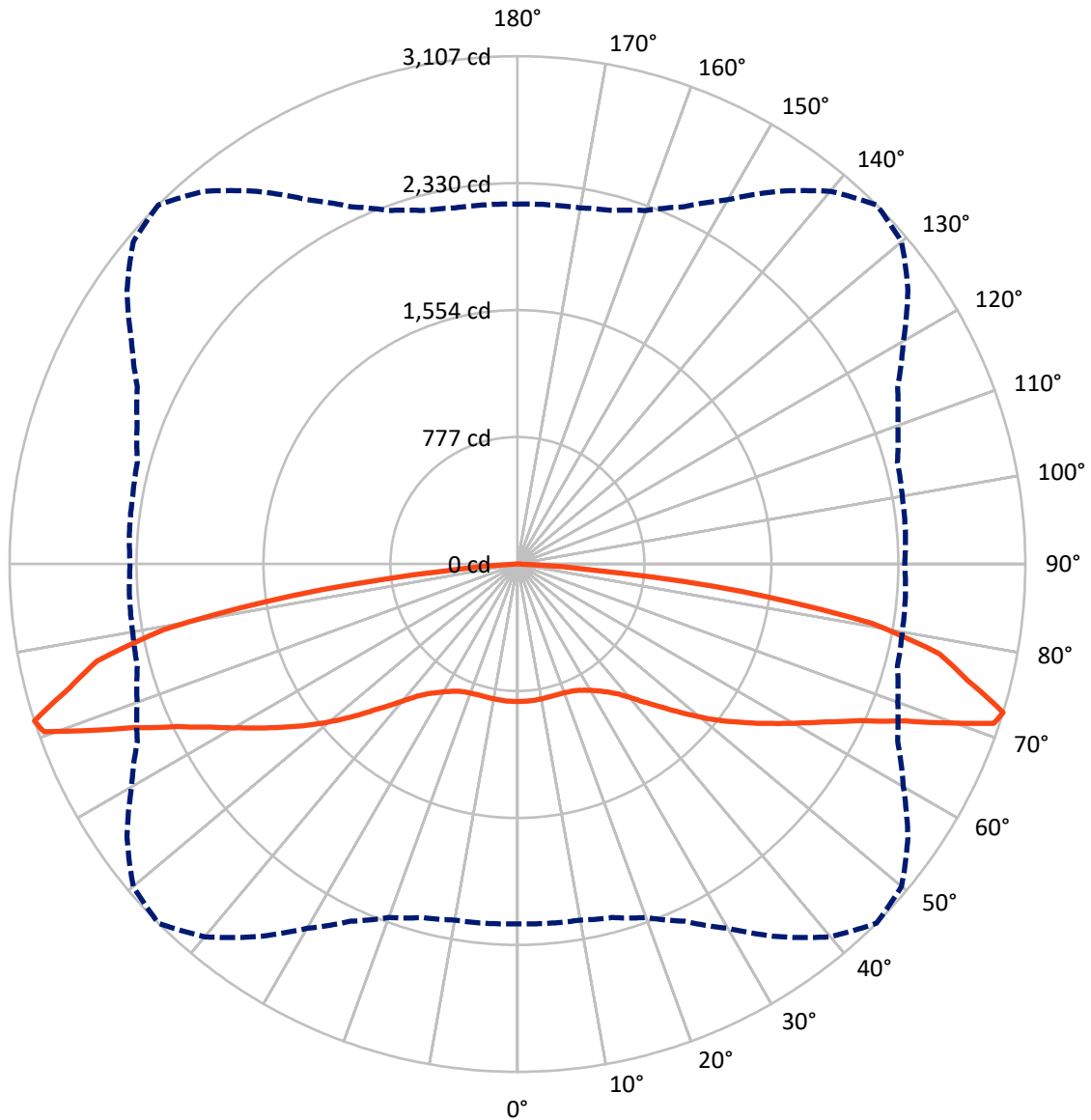
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 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	4437.8	0.0	4437.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4437.8	0.0	4437.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8875.5	0.0	8875.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	0.9
10°-20°	237.1	2.7
20°-30°	397.0	4.5
30°-40°	605.2	6.8
40°-50°	966.4	10.9
50°-60°	1485.9	16.7
60°-70°	2163.5	24.4
70°-80°	2437.2	27.5
80°-90°	503.1	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°	8875.5	100.0
0°-180°	8875.5	100.0

Coefficient of Utilization



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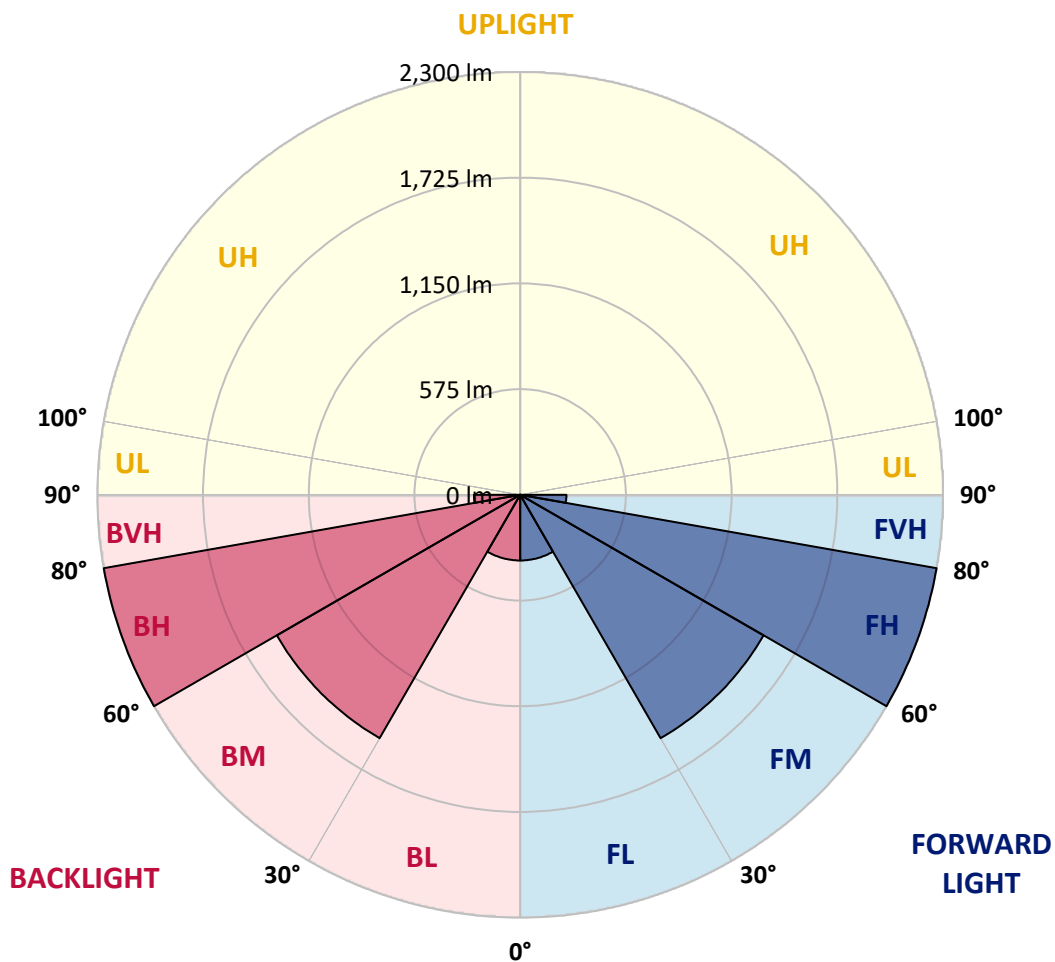
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	357.1	4.0			
FM	(30°-60°)	1528.8	17.2			
FH	(60°-80°)	2300.3	25.9			G2/5000
FVH	(80°-90°)	251.6	2.8			G3/500
BL	(0°-30°)	357.1	4.0	B1/500		
BM	(30°-60°)	1528.8	17.2	B2/2500		
BH	(60°-80°)	2300.3	25.9	B3/2500		G2/5000
BVH	(80°-90°)	251.6	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°	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9
2.5°	842.3	842.8	842.6	842.1	842.3	842.1	841.7	841.4	839.8	840.7	842.1
5°	842.3	841.9	841.7	841.4	841.4	842.1	841.4	840.7	840.5	840.9	840.2
7.5°	841.9	840.9	840.5	840.2	840.5	840.7	840.0	839.1	839.8	839.1	838.1
10°	840.5	839.8	840.0	839.1	839.3	839.1	838.1	837.4	838.0	837.2	836.1
12.5°	840.9	839.8	839.5	839.1	838.9	838.6	837.4	836.3	836.5	836.1	834.9
15°	840.9	840.2	840.0	839.1	838.9	838.3	837.0	836.5	836.5	835.8	834.4
17.5°	841.4	840.9	840.9	839.8	839.3	839.1	837.4	836.7	837.4	836.1	835.2
20°	842.8	842.3	842.6	841.9	840.9	840.9	839.8	839.3	839.5	839.3	836.7
22.5°	845.6	845.6	846.1	845.8	845.6	845.8	844.8	844.8	845.1	845.1	843.0
25°	853.5	853.2	853.8	853.8	854.0	855.6	854.9	854.7	855.8	855.8	853.8
27.5°	868.4	867.9	868.4	868.8	870.0	872.1	871.6	872.4	874.2	873.7	871.8
30°	885.6	885.1	886.3	887.6	888.6	891.9	890.4	894.0	895.6	896.9	895.6
32.5°	910.7	910.7	912.7	913.7	915.8	919.1	919.5	922.3	924.5	926.7	925.1
35°	944.2	943.7	945.3	947.0	949.6	952.6	953.7	957.4	960.8	962.3	959.3
37.5°	995.4	992.8	995.8	996.8	998.9	999.5	1002.8	1007.4	1011.0	1010.4	1008.4
40°	1064.7	1064.2	1063.1	1061.6	1064.9	1066.1	1066.1	1072.4	1078.0	1077.0	1076.8
42.5°	1145.6	1143.4	1142.1	1142.1	1144.0	1144.4	1151.6	1156.3	1160.2	1161.1	1160.2
45°	1232.6	1230.5	1230.9	1230.0	1230.7	1233.7	1238.0	1246.5	1254.0	1254.1	1250.2
47.5°	1326.1	1319.5	1324.7	1317.4	1321.9	1324.2	1334.7	1347.2	1360.2	1362.6	1359.1
50°	1420.9	1420.3	1419.7	1418.4	1420.5	1425.6	1438.3	1458.1	1470.7	1479.1	1473.5
52.5°	1524.7	1521.1	1519.5	1517.2	1519.3	1529.3	1547.2	1564.5	1587.0	1596.5	1588.8
55°	1625.6	1624.4	1618.4	1618.1	1622.5	1638.1	1657.7	1678.9	1703.3	1714.0	1711.2
57.5°	1729.3	1722.6	1720.8	1718.0	1726.7	1741.4	1765.4	1803.5	1828.8	1840.9	1834.0
60°	1830.7	1825.6	1821.6	1820.7	1826.8	1847.3	1881.7	1927.5	1958.9	1974.7	1963.5
62.5°	1939.5	1936.3	1931.6	1926.3	1939.1	1965.4	2008.2	2058.8	2105.1	2124.7	2107.7
65°	2074.9	2068.1	2063.1	2056.3	2066.8	2099.7	2153.5	2224.9	2287.0	2309.8	2297.7
67.5°	2217.7	2211.4	2211.9	2207.6	2226.2	2272.1	2341.4	2438.3	2521.7	2560.5	2537.7
70°	2342.3	2345.9	2346.8	2363.7	2395.8	2465.6	2580.9	2732.9	2859.1	2918.3	2894.0
71°	2305.6	2313.3	2325.1	2342.8	2398.2	2480.8	2638.2	2822.2	2972.9	3073.3	3039.6
72.5°	2201.4	2206.1	2212.1	2239.1	2301.6	2411.0	2573.0	2783.3	2976.9	3107.0	3067.9
75°	2050.7	2055.1	2057.2	2076.1	2133.0	2228.4	2376.8	2563.3	2734.2	2844.9	2834.0
77.5°	1823.3	1824.0	1840.2	1869.3	1933.2	2042.3	2198.6	2392.1	2552.8	2638.9	2584.2
80°	1309.3	1300.5	1317.2	1354.6	1433.7	1558.9	1718.9	1939.7	2118.2	2198.6	2114.0
82.5°	498.1	525.1	567.6	629.6	656.3	795.4	944.7	1074.4	1224.7	1392.6	1350.5
85°	53.5	60.3	75.5	93.8	118.3	163.7	226.2	308.8	380.7	447.4	397.2
87.5°	20.0	20.5	22.8	26.2	26.8	27.9	29.8	34.6	32.4	27.9	22.5
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°	840.9	840.9	840.9	840.9	840.9	840.9	840.9	840.9
2.5°	840.9	841.1	840.9	841.1	841.1	840.2	840.5	840.0
5°	840.7	840.0	840.2	840.5	840.2	840.7	840.0	840.5
7.5°	839.5	838.1	838.6	838.6	838.1	838.9	838.3	838.1
10°	837.2	835.4	836.3	835.8	835.5	835.8	835.8	835.8
12.5°	835.2	834.0	834.2	834.0	833.7	834.4	834.2	834.4
15°	834.6	832.7	832.6	832.1	832.4	832.7	832.7	833.5
17.5°	834.2	831.8	831.6	831.2	831.4	832.4	832.6	832.1
20°	835.5	833.7	833.3	832.7	832.6	833.7	833.5	833.5
22.5°	842.1	839.8	839.5	837.7	837.0	837.7	837.2	837.2
25°	852.6	849.8	848.8	846.3	844.5	844.5	843.7	843.3
27.5°	871.4	867.2	866.2	864.2	861.6	862.1	860.7	860.5
30°	893.2	889.5	886.3	883.3	880.2	879.1	877.4	877.2
32.5°	921.9	917.7	913.7	910.0	905.9	904.2	901.4	900.0
35°	957.0	951.4	946.8	944.2	940.0	937.9	936.0	938.1
37.5°	1006.1	999.3	997.0	994.0	991.2	987.9	988.7	987.9
40°	1074.0	1067.9	1065.6	1060.3	1059.5	1055.8	1058.1	1055.8
42.5°	1158.0	1146.8	1145.1	1140.9	1139.5	1137.5	1138.4	1136.8
45°	1249.3	1239.3	1237.4	1230.7	1230.9	1226.1	1227.9	1227.9
47.5°	1352.1	1341.6	1333.0	1328.2	1326.3	1323.3	1324.8	1324.7
50°	1458.1	1443.9	1434.4	1424.9	1420.7	1421.9	1418.6	1424.2
52.5°	1572.1	1550.9	1537.5	1528.4	1520.5	1522.1	1522.6	1524.2
55°	1690.1	1663.1	1643.5	1631.6	1624.4	1624.9	1627.0	1628.8
57.5°	1808.6	1774.9	1748.4	1730.7	1726.1	1728.2	1728.2	1727.9
60°	1931.6	1891.2	1856.9	1837.0	1832.8	1831.6	1840.8	1837.7
62.5°	2063.7	2015.1	1979.7	1954.2	1948.1	1952.4	1960.5	1958.6
65°	2238.9	2171.6	2126.1	2100.7	2090.4	2094.7	2105.6	2105.1
67.5°	2464.7	2370.7	2310.5	2278.0	2270.5	2275.5	2281.7	2287.5
70°	2802.3	2668.1	2582.2	2511.6	2481.4	2475.6	2481.7	2481.9
71°	2921.1	2767.0	2630.0	2544.0	2494.4	2473.5	2475.2	2464.7
72.5°	2916.3	2726.3	2566.1	2476.1	2407.3	2390.5	2382.3	2369.8
75°	2719.8	2548.7	2409.5	2311.5	2245.1	2225.3	2211.0	2210.2
77.5°	2466.5	2340.3	2187.0	2083.0	2002.3	1969.5	1954.9	1954.4
80°	1982.8	1793.7	1681.7	1619.1	1521.7	1493.5	1463.7	1452.6
82.5°	1199.1	936.9	761.9	677.0	630.0	518.9	465.6	440.5
85°	279.3	198.3	136.7	89.8	64.7	51.3	39.5	34.9
87.5°	18.8	14.9	13.2	10.7	8.2	7.9	4.8	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)