

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: P180181

Luminaire Tested: **ICM-F03-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180181  
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-F03-LED-E1-5XQ-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6183.9 lumens  
Efficiency: N/A  
Efficacy: 79.0 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 - G2

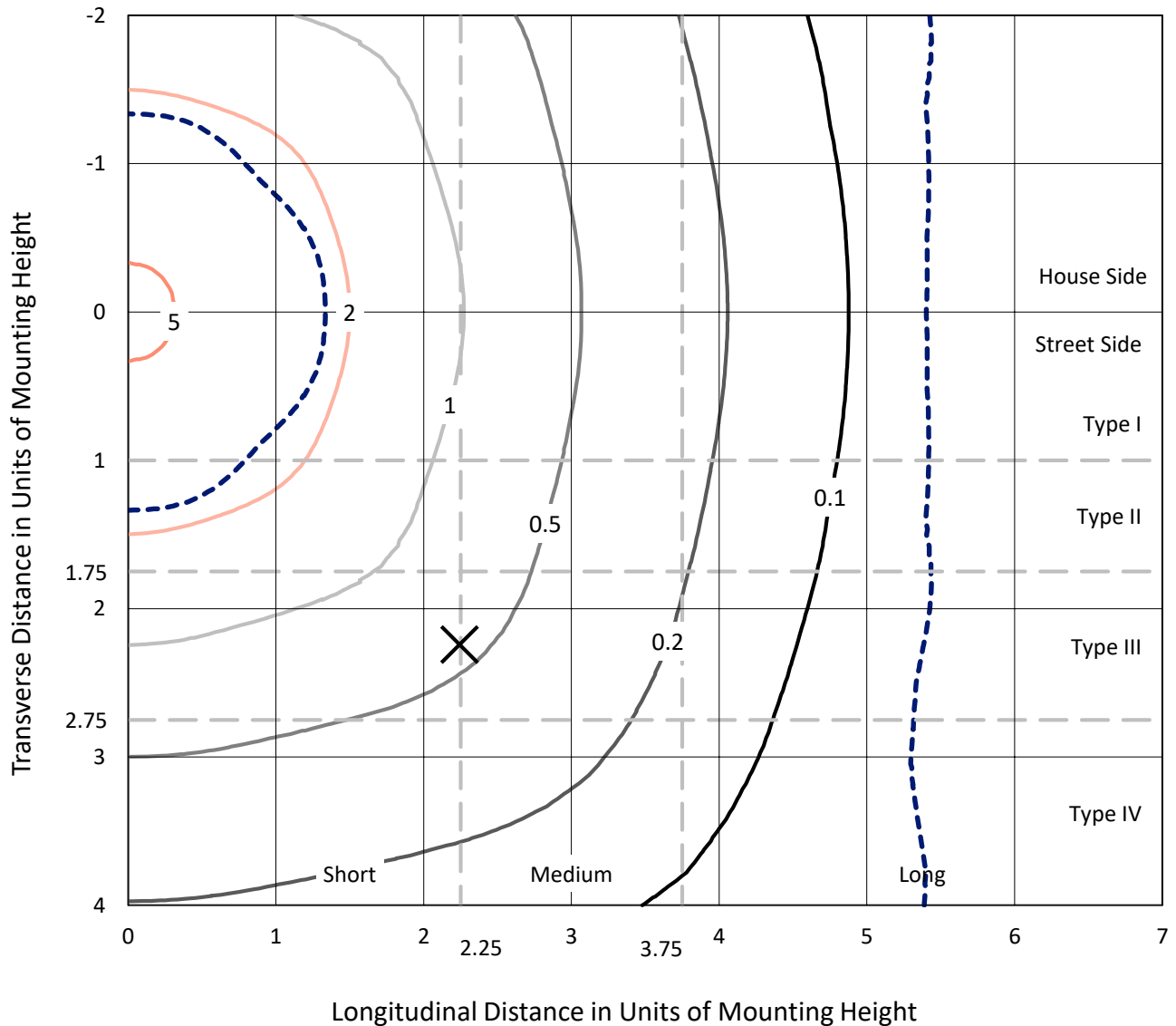
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

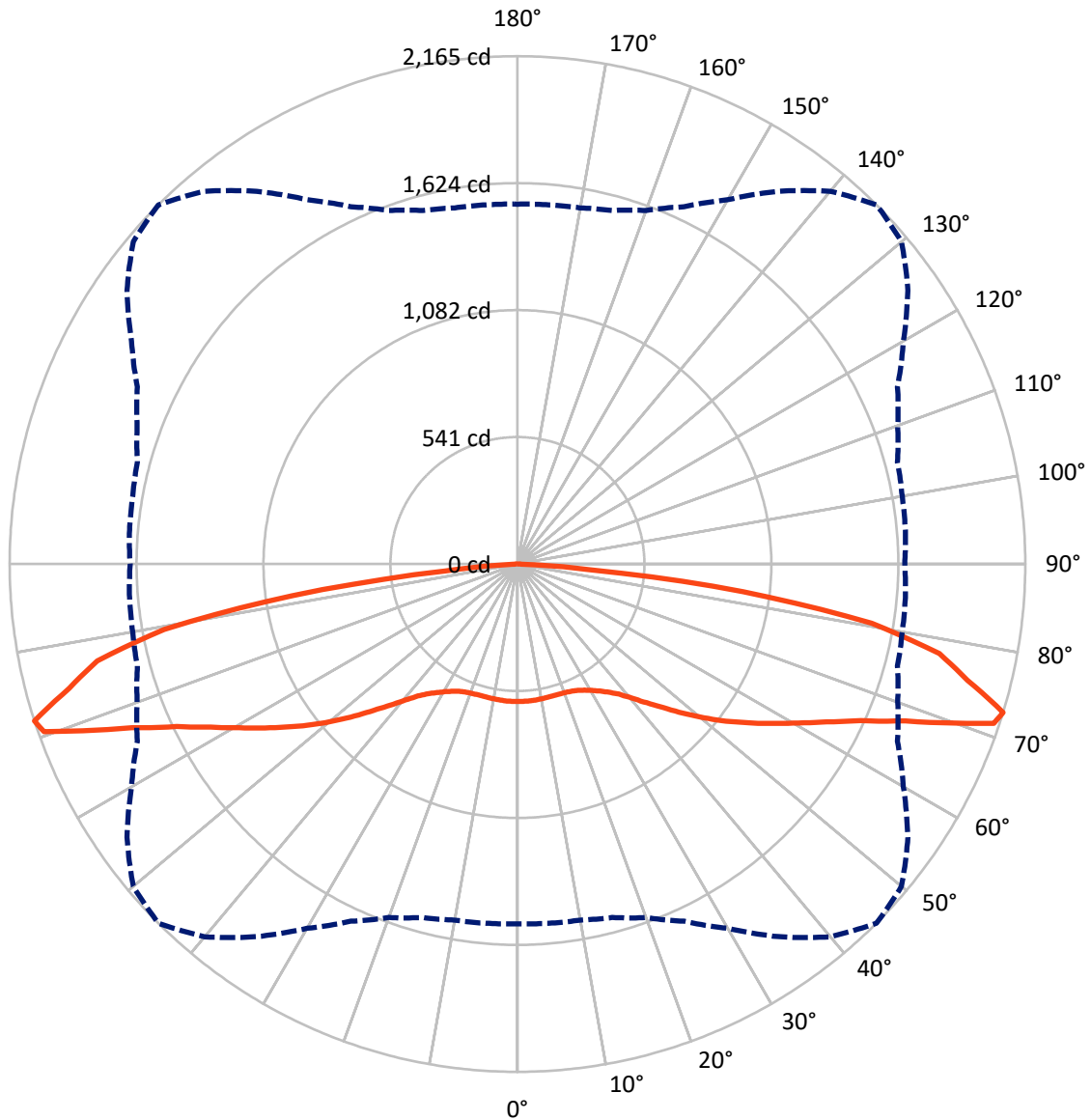
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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
<b>House Side</b>	Lumens	3092.0	0.0	3092.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3092.0	0.0	3092.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6183.9	0.0	6183.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.8	0.9
10°-20°	165.2	2.7
20°-30°	276.6	4.5
30°-40°	421.7	6.8
40°-50°	673.3	10.9
50°-60°	1035.3	16.7
60°-70°	1507.4	24.4
70°-80°	1698.1	27.5
80°-90°	350.5	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°	6183.9	100.0
0°-180°	6183.9	100.0



REPORT NUMBER: P180181

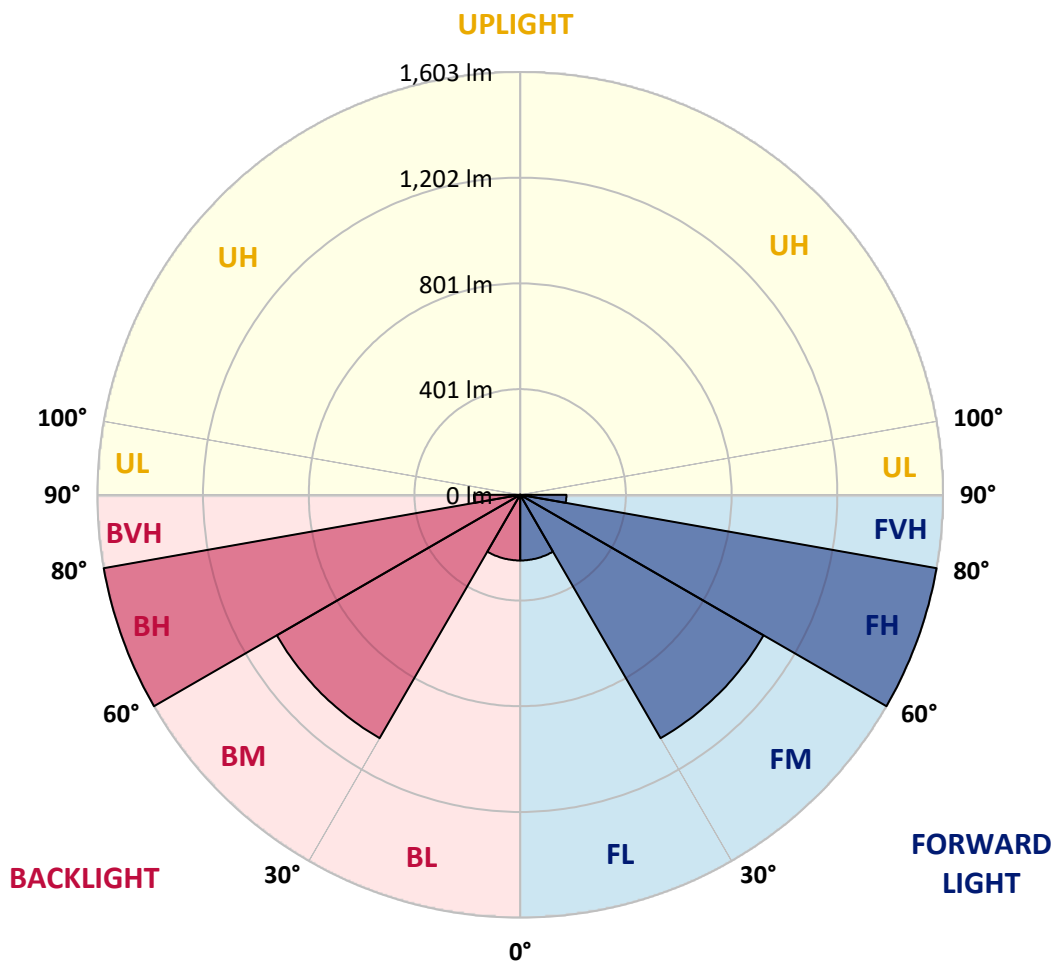
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.8	4.0			
FM	(30°-60°)	1065.2	17.2			
FH	(60°-80°)	1602.7	25.9			G1/1800
FVH	(80°-90°)	175.3	2.8			G2/225
BL	(0°-30°)	248.8	4.0	B1/500		
BM	(30°-60°)	1065.2	17.2	B2/2500		
BH	(60°-80°)	1602.7	25.9	B3/2500		G1/1800
BVH	(80°-90°)	175.3	2.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9
2.5°	586.9	587.2	587.1	586.7	586.9	586.7	586.4	586.2	585.1	585.8	586.7
5°	586.9	586.6	586.4	586.2	586.2	586.7	586.2	585.8	585.6	585.9	585.4
7.5°	586.6	585.9	585.6	585.4	585.6	585.8	585.3	584.7	585.1	584.6	584.0
10°	585.6	585.1	585.3	584.6	584.7	584.6	584.0	583.4	583.8	583.4	582.5
12.5°	585.9	585.1	584.9	584.6	584.5	584.3	583.4	582.7	582.9	582.5	581.7
15°	585.9	585.4	585.3	584.6	584.5	584.1	583.2	582.8	582.9	582.3	581.4
17.5°	586.2	585.9	585.9	585.1	584.7	584.6	583.4	583.0	583.4	582.5	581.9
20°	587.2	586.9	587.1	586.6	585.9	586.0	585.1	584.7	584.9	584.7	583.0
22.5°	589.1	589.1	589.5	589.3	589.1	589.3	588.7	588.7	588.8	588.8	587.4
25°	594.6	594.5	594.8	594.8	595.0	596.1	595.6	595.4	596.3	596.3	594.8
27.5°	605.0	604.7	605.0	605.4	606.1	607.6	607.3	607.8	609.1	608.7	607.4
30°	617.0	616.7	617.5	618.4	619.2	621.4	620.5	622.9	624.0	624.9	624.0
32.5°	634.5	634.5	636.0	636.7	638.1	640.4	640.7	642.6	644.1	645.7	644.6
35°	657.9	657.5	658.7	659.8	661.6	663.6	664.5	667.1	669.4	670.5	668.4
37.5°	693.5	691.7	693.9	694.5	695.9	696.4	698.7	702.0	704.4	704.0	702.5
40°	741.8	741.5	740.7	739.7	742.0	742.7	742.8	747.2	751.0	750.4	750.2
42.5°	798.1	796.7	795.7	795.7	797.0	797.4	802.4	805.6	808.4	809.0	808.4
45°	858.8	857.3	857.7	856.9	857.5	859.5	862.5	868.5	873.7	873.9	871.1
47.5°	923.9	919.4	923.0	918.0	921.0	922.6	929.9	938.6	947.7	949.4	946.9
50°	990.0	989.6	989.2	988.3	989.7	993.3	1002.1	1015.9	1024.8	1030.5	1026.6
52.5°	1062.3	1059.8	1058.8	1057.1	1058.6	1065.5	1078.1	1090.0	1105.7	1112.4	1107.0
55°	1132.7	1131.8	1127.5	1127.4	1130.5	1141.3	1155.0	1169.7	1186.7	1194.2	1192.2
57.5°	1204.8	1200.2	1198.9	1196.9	1203.1	1213.3	1230.0	1256.6	1274.2	1282.6	1277.8
60°	1275.5	1272.0	1269.2	1268.6	1272.8	1287.1	1311.0	1342.9	1364.8	1375.8	1368.0
62.5°	1351.4	1349.0	1345.9	1342.1	1351.0	1369.4	1399.2	1434.4	1466.7	1480.3	1468.5
65°	1445.7	1440.9	1437.4	1432.7	1440.0	1463.0	1500.4	1550.1	1593.4	1609.3	1600.9
67.5°	1545.1	1540.8	1541.1	1538.1	1551.2	1583.1	1631.4	1699.0	1756.9	1784.0	1768.1
70°	1632.0	1634.4	1635.1	1646.9	1669.2	1717.9	1798.2	1904.0	1992.0	2033.3	2016.4
71°	1606.3	1611.7	1620.0	1632.3	1670.9	1728.4	1838.2	1966.2	2071.3	2141.2	2117.8
72.5°	1533.8	1537.0	1541.2	1560.0	1603.6	1679.8	1792.8	1939.2	2074.2	2164.8	2137.5
75°	1428.8	1431.9	1433.3	1446.5	1486.1	1552.6	1656.0	1786.0	1905.0	1982.2	1974.5
77.5°	1270.3	1270.9	1282.1	1302.4	1347.0	1423.0	1531.9	1666.7	1778.6	1838.5	1800.6
80°	912.2	906.1	917.8	943.8	998.9	1086.1	1197.6	1351.5	1475.8	1531.8	1472.9
82.5°	347.1	365.9	395.5	438.6	457.3	554.1	658.1	748.6	853.2	970.2	940.9
85°	37.3	42.0	52.7	65.3	82.5	114.0	157.7	215.2	265.2	311.7	276.7
87.5°	14.0	14.3	15.9	18.3	18.6	19.4	20.7	24.2	22.5	19.4	15.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180181

CATALOG NUMBER: ICM-F03-LED-E1-5XQ-8030

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	585.9	585.9	585.9	585.9	585.9	585.9	585.9	585.9
2.5°	585.9	586.1	585.9	586.1	586.1	585.4	585.6	585.3
5°	585.8	585.3	585.4	585.6	585.4	585.8	585.3	585.6
7.5°	584.9	584.0	584.3	584.3	584.0	584.5	584.1	584.0
10°	583.3	582.1	582.6	582.3	582.1	582.3	582.3	582.3
12.5°	581.9	581.0	581.2	581.1	580.9	581.4	581.2	581.4
15°	581.6	580.3	580.1	579.7	579.9	580.3	580.3	580.7
17.5°	581.2	579.6	579.4	579.2	579.3	579.9	580.1	579.7
20°	582.1	580.8	580.6	580.3	580.1	580.8	580.7	580.7
22.5°	586.7	585.1	584.9	583.6	583.2	583.6	583.4	583.3
25°	594.1	592.1	591.4	589.6	588.4	588.4	587.9	587.5
27.5°	607.2	604.3	603.5	602.1	600.3	600.7	599.6	599.4
30°	622.4	619.8	617.5	615.4	613.3	612.5	611.4	611.3
32.5°	642.3	639.4	636.7	634.1	631.1	630.0	628.0	627.1
35°	666.8	662.9	659.6	657.9	655.0	653.5	652.2	653.7
37.5°	701.0	696.3	694.6	692.6	690.6	688.3	688.7	688.4
40°	748.3	744.1	742.4	738.7	738.2	735.6	737.3	735.6
42.5°	806.7	799.0	797.9	795.0	794.0	792.6	793.1	792.0
45°	870.4	863.4	862.1	857.5	857.7	854.2	855.5	855.5
47.5°	942.1	934.8	928.7	925.4	924.1	922.0	923.1	923.0
50°	1015.9	1006.1	999.4	992.8	989.9	990.6	988.4	992.3
52.5°	1095.4	1080.6	1071.3	1064.8	1059.4	1060.5	1060.8	1062.0
55°	1177.5	1158.7	1145.1	1136.8	1131.8	1132.1	1133.6	1134.9
57.5°	1260.1	1236.7	1218.1	1205.9	1202.6	1204.1	1204.1	1203.9
60°	1345.9	1317.6	1293.8	1279.9	1277.0	1276.1	1282.5	1280.4
62.5°	1437.9	1404.0	1379.4	1361.6	1357.3	1360.3	1366.0	1364.7
65°	1559.8	1513.0	1481.3	1463.6	1456.6	1459.5	1467.1	1466.8
67.5°	1717.2	1651.7	1609.8	1587.2	1582.0	1585.5	1589.7	1593.8
70°	1952.5	1859.0	1799.1	1750.0	1728.9	1724.8	1729.0	1729.1
71°	2035.4	1927.8	1832.4	1772.5	1738.0	1723.4	1724.5	1717.2
72.5°	2031.8	1899.5	1787.8	1725.1	1677.2	1665.5	1659.8	1651.1
75°	1895.0	1775.7	1678.8	1610.4	1564.3	1550.5	1540.5	1539.9
77.5°	1718.5	1630.5	1523.7	1451.4	1395.1	1372.3	1362.1	1361.7
80°	1381.5	1249.8	1171.6	1128.0	1060.2	1040.6	1019.8	1012.1
82.5°	835.4	652.8	530.8	471.6	439.0	361.5	324.4	306.9
85°	194.6	138.2	95.3	62.5	45.0	35.8	27.5	24.3
87.5°	13.1	10.4	9.2	7.4	5.7	5.5	3.4	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)