

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: P180176

Luminaire Tested: **ICM-E03-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180176
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-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7490.9 lumens
Efficiency: N/A
Efficacy: 99.6 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

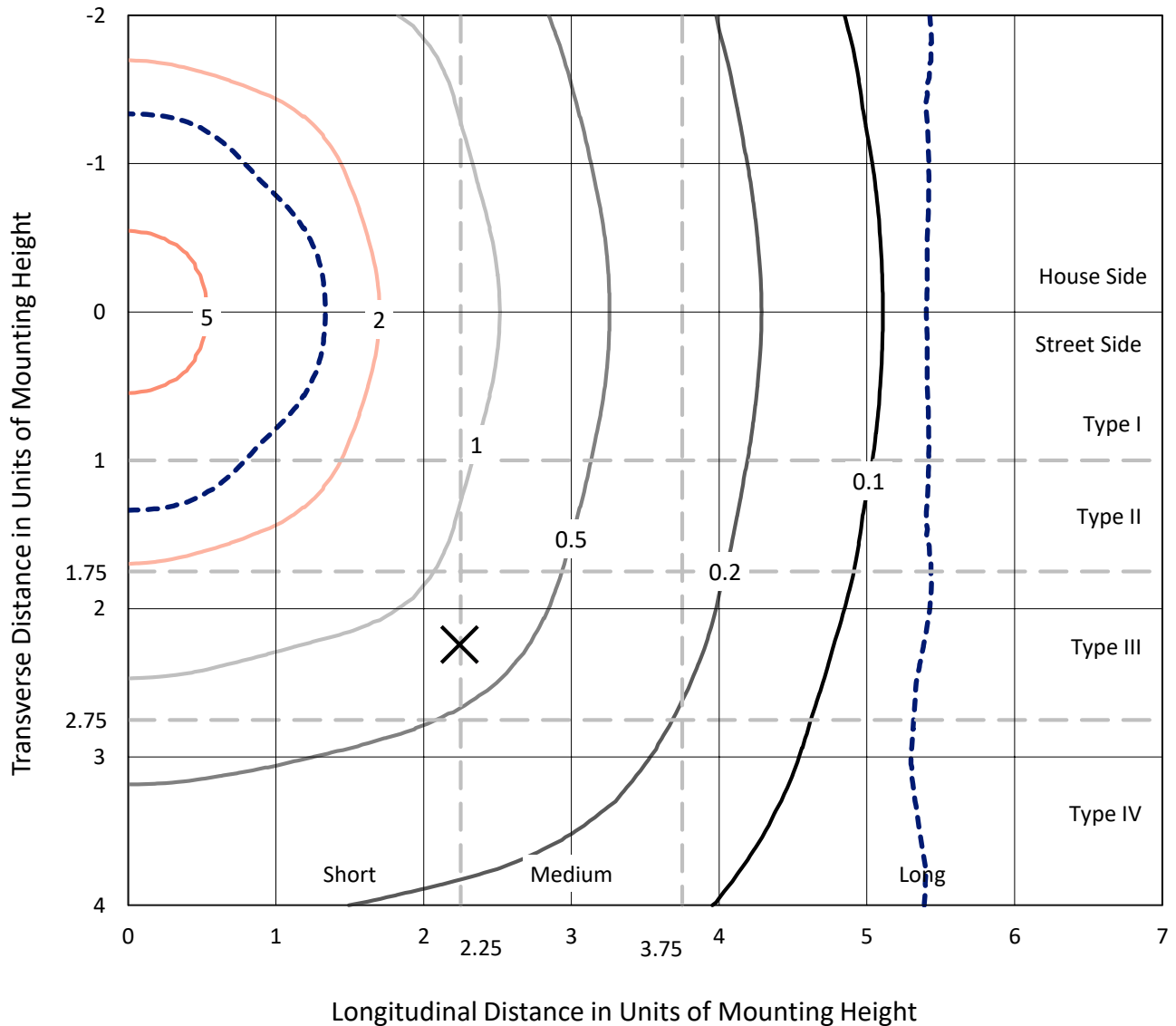
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

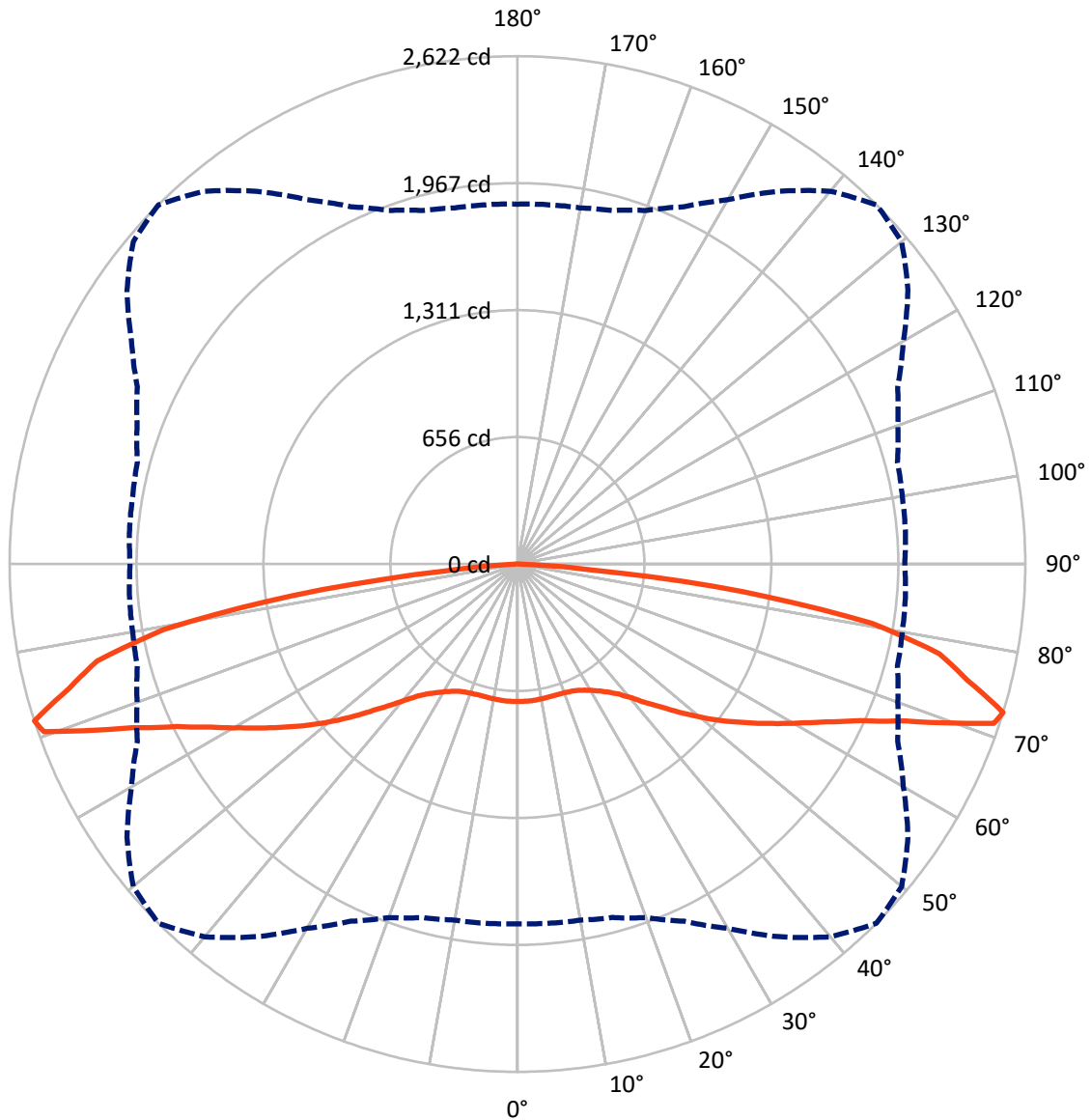
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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	3745.4	0.0	3745.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3745.4	0.0	3745.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	7490.9	0.0	7490.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	0.9
10°-20°	200.1	2.7
20°-30°	335.1	4.5
30°-40°	510.8	6.8
40°-50°	815.6	10.9
50°-60°	1254.1	16.7
60°-70°	1826.0	24.4
70°-80°	2056.9	27.5
80°-90°	424.6	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°	7490.9	100.0
0°-180°	7490.9	100.0



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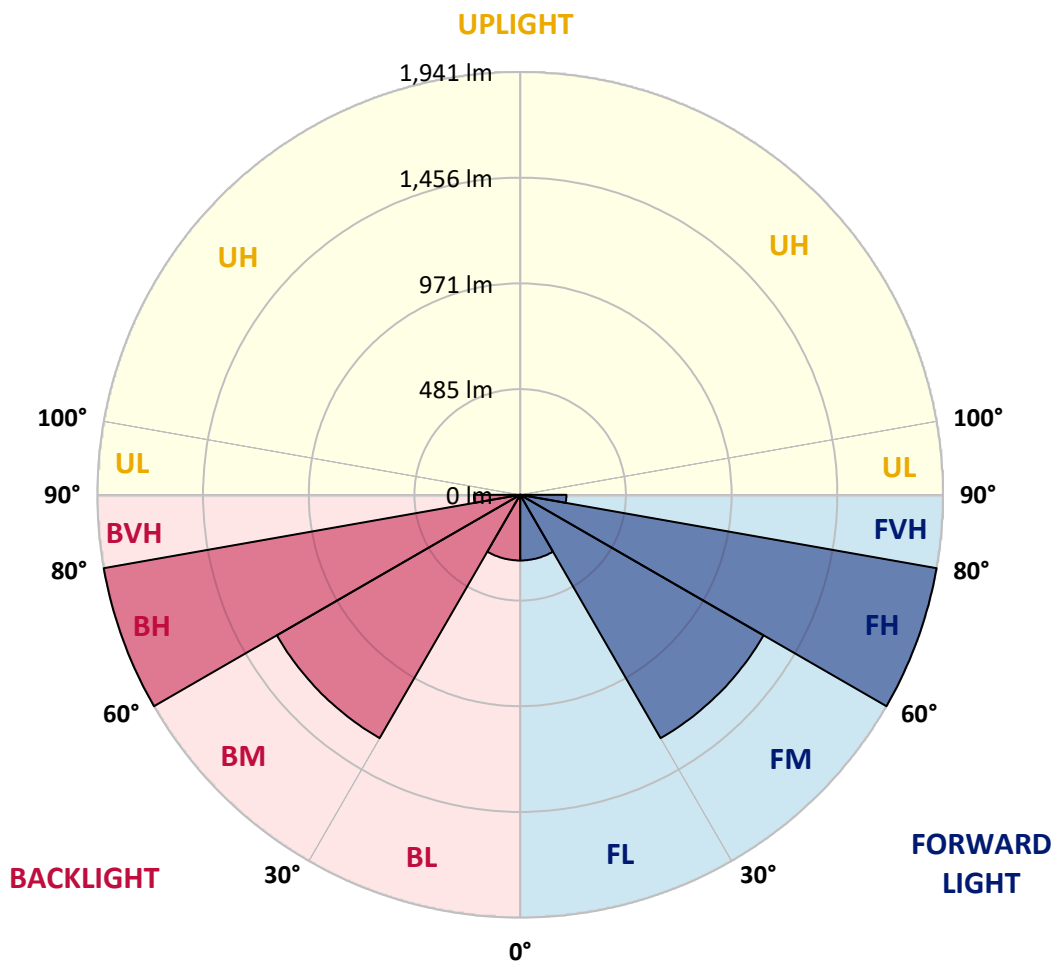
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.4	4.0			
FM	(30°-60°)	1290.3	17.2			
FH	(60°-80°)	1941.5	25.9			G2/5000
FVH	(80°-90°)	212.3	2.8			G2/225
BL	(0°-30°)	301.4	4.0	B1/500		
BM	(30°-60°)	1290.3	17.2	B2/2500		
BH	(60°-80°)	1941.5	25.9	B3/2500		G2/5000
BVH	(80°-90°)	212.3	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°	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8
2.5°	710.9	711.3	711.1	710.7	710.9	710.7	710.3	710.1	708.7	709.6	710.7
5°	710.9	710.5	710.3	710.1	710.1	710.7	710.1	709.6	709.4	709.8	709.1
7.5°	710.5	709.8	709.4	709.2	709.3	709.6	708.9	708.2	708.7	708.2	707.4
10°	709.4	708.7	708.9	708.2	708.4	708.2	707.4	706.8	707.2	706.6	705.7
12.5°	709.8	708.7	708.6	708.1	708.0	707.7	706.8	705.9	706.1	705.7	704.7
15°	709.8	709.2	708.9	708.2	707.9	707.6	706.4	706.1	706.1	705.4	704.2
17.5°	710.1	709.8	709.8	708.7	708.4	708.2	706.8	706.2	706.8	705.7	704.8
20°	711.3	710.9	711.1	710.5	709.8	709.8	708.7	708.4	708.6	708.4	706.2
22.5°	713.7	713.7	714.1	713.9	713.7	713.9	713.1	713.0	713.3	713.3	711.4
25°	720.3	720.2	720.6	720.6	720.7	722.1	721.5	721.3	722.2	722.3	720.6
27.5°	732.8	732.5	732.9	733.3	734.2	736.0	735.6	736.2	737.9	737.4	735.8
30°	747.4	747.1	748.0	749.2	750.0	752.7	751.5	754.5	755.9	757.0	755.9
32.5°	768.6	768.7	770.3	771.2	772.9	775.7	776.1	778.4	780.2	782.1	780.8
35°	796.8	796.5	797.9	799.3	801.4	803.9	804.9	808.1	810.8	812.2	809.7
37.5°	840.1	838.0	840.5	841.2	843.0	843.6	846.3	850.3	853.2	852.8	851.1
40°	898.6	898.1	897.1	896.0	898.8	899.7	899.7	905.0	909.8	908.9	908.7
42.5°	966.9	965.1	963.9	963.9	965.5	965.9	971.9	975.9	979.3	980.0	979.2
45°	1040.3	1038.5	1038.9	1038.1	1038.7	1041.3	1044.8	1052.1	1058.3	1058.5	1055.3
47.5°	1119.2	1113.7	1118.0	1111.9	1115.6	1117.6	1126.4	1137.0	1148.0	1150.0	1147.1
50°	1199.3	1198.7	1198.2	1197.1	1198.9	1203.2	1214.0	1230.7	1241.3	1248.3	1243.6
52.5°	1286.8	1283.9	1282.5	1280.6	1282.3	1290.7	1305.9	1320.4	1339.5	1347.5	1340.9
55°	1371.9	1371.0	1365.9	1365.7	1369.4	1382.6	1399.1	1416.9	1437.5	1446.5	1444.2
57.5°	1459.5	1453.9	1452.3	1449.9	1457.4	1469.8	1490.0	1522.1	1543.5	1553.7	1547.9
60°	1545.1	1540.8	1537.5	1536.7	1541.8	1559.1	1588.1	1626.8	1653.2	1666.6	1657.1
62.5°	1637.0	1634.2	1630.3	1625.8	1636.6	1658.8	1694.9	1737.7	1776.8	1793.2	1778.8
65°	1751.2	1745.5	1741.2	1735.5	1744.3	1772.2	1817.5	1877.8	1930.2	1949.4	1939.3
67.5°	1871.7	1866.4	1866.8	1863.3	1879.0	1917.7	1976.1	2058.0	2128.2	2161.0	2141.8
70°	1976.9	1979.8	1980.7	1995.0	2022.1	2080.9	2178.2	2306.4	2413.0	2463.1	2442.4
71°	1945.9	1952.4	1962.4	1977.3	2024.0	2093.7	2226.6	2381.8	2509.0	2593.8	2565.3
72.5°	1858.0	1862.0	1867.0	1889.8	1942.6	2034.8	2171.6	2349.0	2512.6	2622.2	2589.3
75°	1730.8	1734.5	1736.3	1752.2	1800.3	1880.8	2006.0	2163.4	2307.6	2401.1	2391.8
77.5°	1538.8	1539.5	1553.1	1577.7	1631.6	1723.7	1855.6	2018.9	2154.5	2227.2	2181.0
80°	1105.0	1097.6	1111.7	1143.3	1210.1	1315.6	1450.7	1637.1	1787.7	1855.6	1784.2
82.5°	420.5	443.2	479.1	531.4	553.9	671.3	797.3	906.8	1033.6	1175.3	1139.8
85°	45.1	50.9	63.8	79.1	99.9	138.1	191.0	260.7	321.3	377.7	335.3
87.5°	16.9	17.3	19.3	22.1	22.5	23.5	25.1	29.2	27.3	23.5	19.0
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°	709.8	709.8	709.8	709.8	709.8	709.8	709.8	709.8
2.5°	709.8	710.0	709.8	710.0	710.0	709.1	709.3	708.9
5°	709.6	708.9	709.1	709.4	709.1	709.6	708.9	709.4
7.5°	708.6	707.4	707.8	707.8	707.4	707.9	707.6	707.4
10°	706.6	705.0	705.9	705.4	705.2	705.4	705.4	705.5
12.5°	704.8	703.8	704.0	703.8	703.6	704.2	704.0	704.2
15°	704.5	702.9	702.7	702.3	702.5	702.9	702.9	703.4
17.5°	704.0	702.1	702.0	701.5	701.7	702.5	702.7	702.2
20°	705.2	703.6	703.3	702.9	702.7	703.6	703.4	703.4
22.5°	710.7	708.7	708.6	707.0	706.4	707.0	706.6	706.6
25°	719.5	717.2	716.5	714.3	712.7	712.7	712.1	711.6
27.5°	735.4	731.9	731.2	729.3	727.3	727.6	726.4	726.2
30°	753.9	750.8	748.0	745.5	742.9	742.0	740.6	740.3
32.5°	778.1	774.5	771.2	768.0	764.5	763.2	760.7	759.6
35°	807.6	803.0	799.1	796.8	793.4	791.5	790.0	791.8
37.5°	849.1	843.4	841.5	838.9	836.6	833.8	834.4	833.8
40°	906.4	901.3	899.4	894.8	894.2	891.1	893.0	891.1
42.5°	977.3	967.8	966.5	963.0	961.8	960.0	960.8	959.4
45°	1054.4	1046.0	1044.4	1038.7	1038.9	1034.8	1036.4	1036.4
47.5°	1141.1	1132.3	1125.1	1120.9	1119.4	1116.8	1118.1	1118.0
50°	1230.7	1218.7	1210.6	1202.6	1199.1	1200.0	1197.3	1202.1
52.5°	1326.9	1308.9	1297.6	1289.9	1283.3	1284.7	1285.0	1286.3
55°	1426.3	1403.5	1387.1	1377.1	1371.0	1371.4	1373.1	1374.7
57.5°	1526.4	1498.1	1475.6	1460.8	1456.8	1458.6	1458.5	1458.3
60°	1630.3	1596.1	1567.3	1550.4	1546.8	1545.9	1553.5	1551.0
62.5°	1741.8	1700.8	1670.9	1649.3	1644.2	1647.7	1654.6	1653.0
65°	1889.6	1832.8	1794.4	1773.0	1764.3	1767.8	1777.1	1776.8
67.5°	2080.2	2000.8	1950.1	1922.5	1916.3	1920.6	1925.7	1930.6
70°	2365.2	2251.9	2179.3	2119.8	2094.3	2089.4	2094.5	2094.7
71°	2465.4	2335.4	2219.7	2147.1	2105.3	2087.6	2088.9	2080.2
72.5°	2461.3	2300.9	2165.7	2089.8	2031.6	2017.5	2010.6	2000.0
75°	2295.5	2151.0	2033.7	1950.8	1894.9	1878.2	1866.1	1865.4
77.5°	2081.7	1975.2	1845.8	1758.1	1690.0	1662.2	1649.9	1649.5
80°	1673.5	1513.9	1419.3	1366.5	1284.3	1260.5	1235.4	1226.0
82.5°	1012.0	790.8	643.0	571.4	531.7	437.9	392.9	371.7
85°	235.7	167.4	115.4	75.8	54.6	43.3	33.4	29.4
87.5°	15.9	12.6	11.2	9.0	6.9	6.7	4.1	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)