

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: P180082

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180082
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F03-LED-E1-5WQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6699.3 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

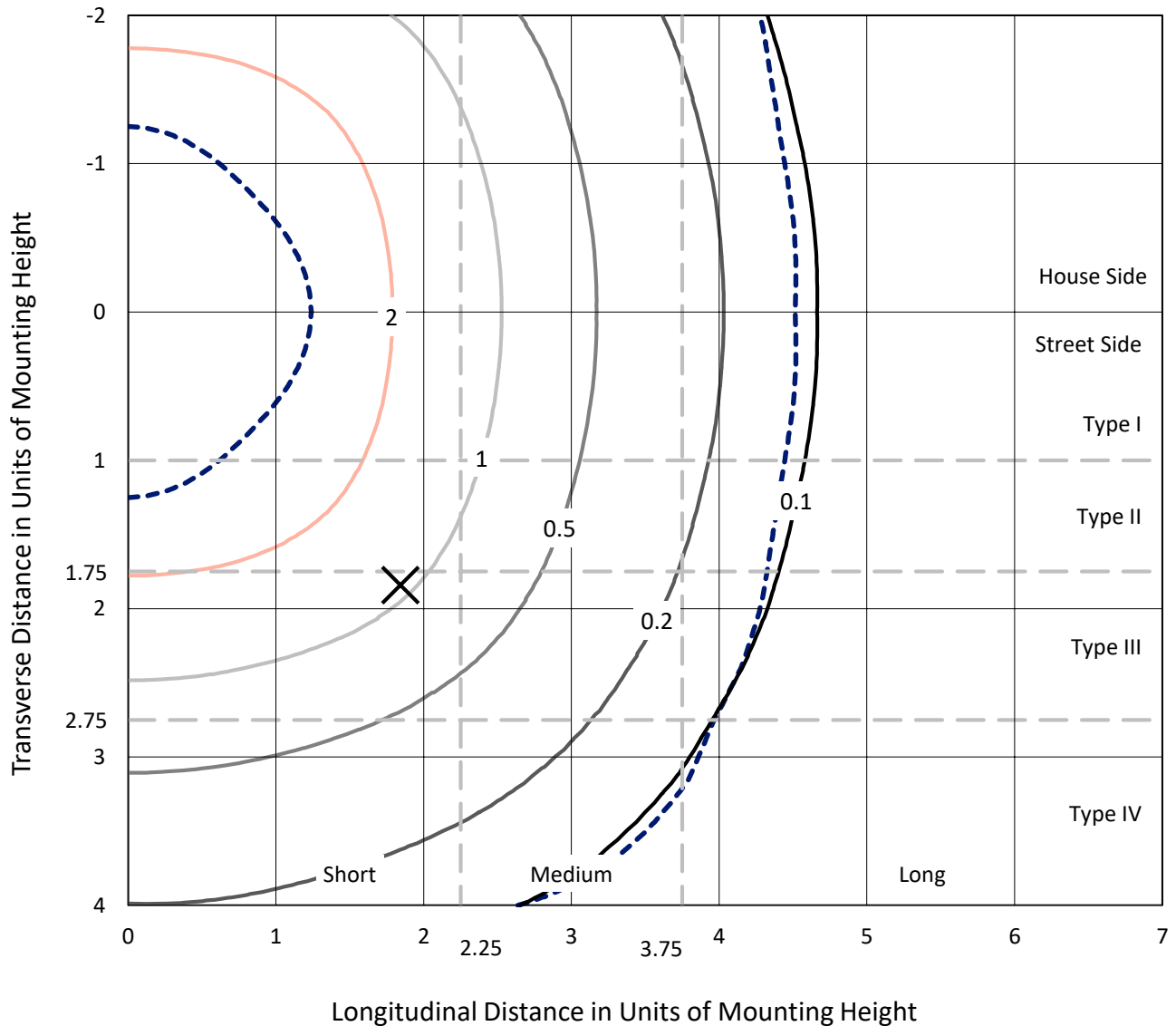
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

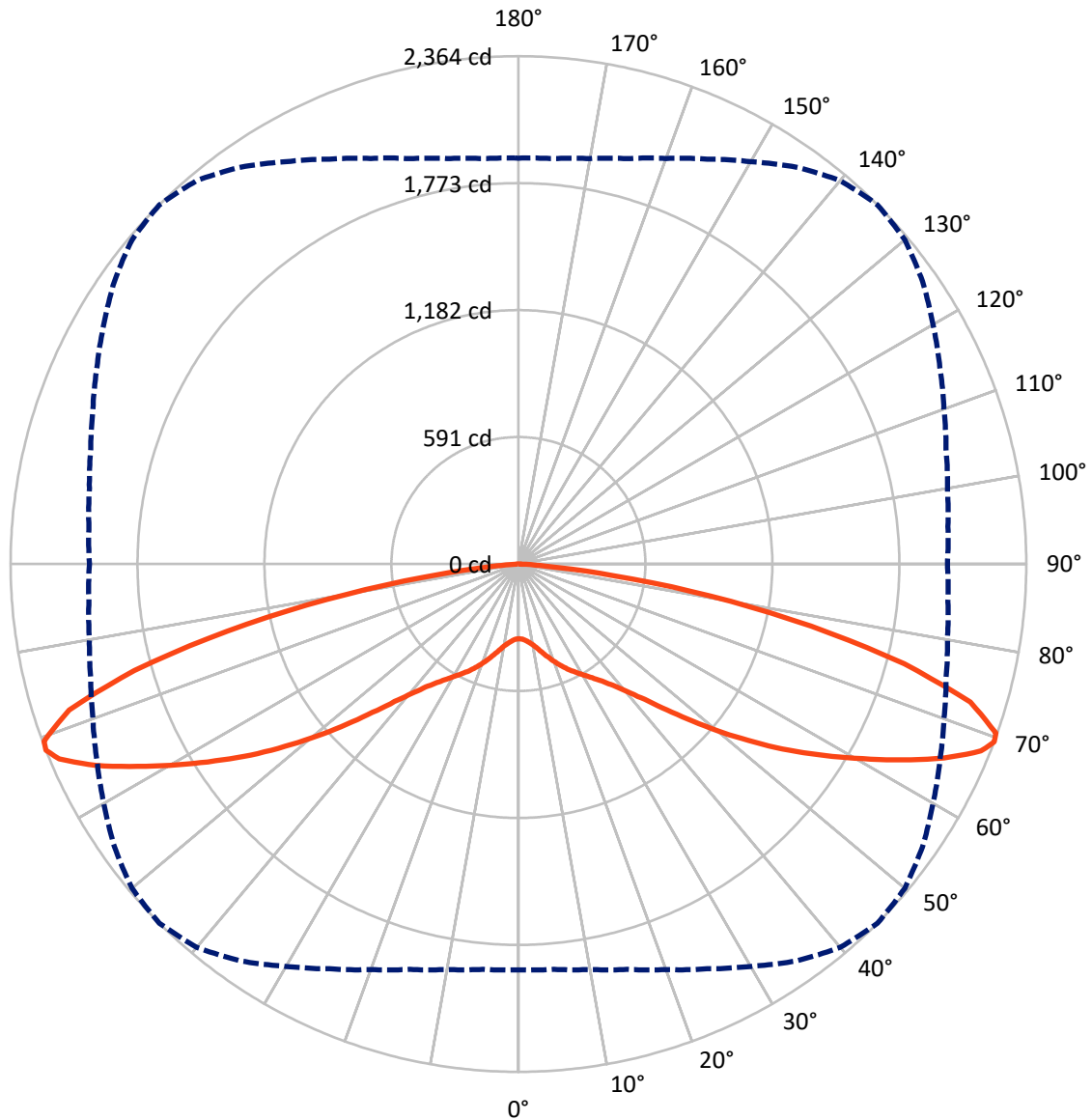
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3349.6	0.0	3349.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3349.6	0.0	3349.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6699.3	0.0	6699.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	0.5
10°-20°	123.4	1.8
20°-30°	249.8	3.7
30°-40°	418.8	6.3
40°-50°	738.7	11.0
50°-60°	1302.6	19.4
60°-70°	1988.7	29.7
70°-80°	1661.8	24.8
80°-90°	180.6	2.7
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°	6699.3	100.0
0°-180°	6699.3	100.0



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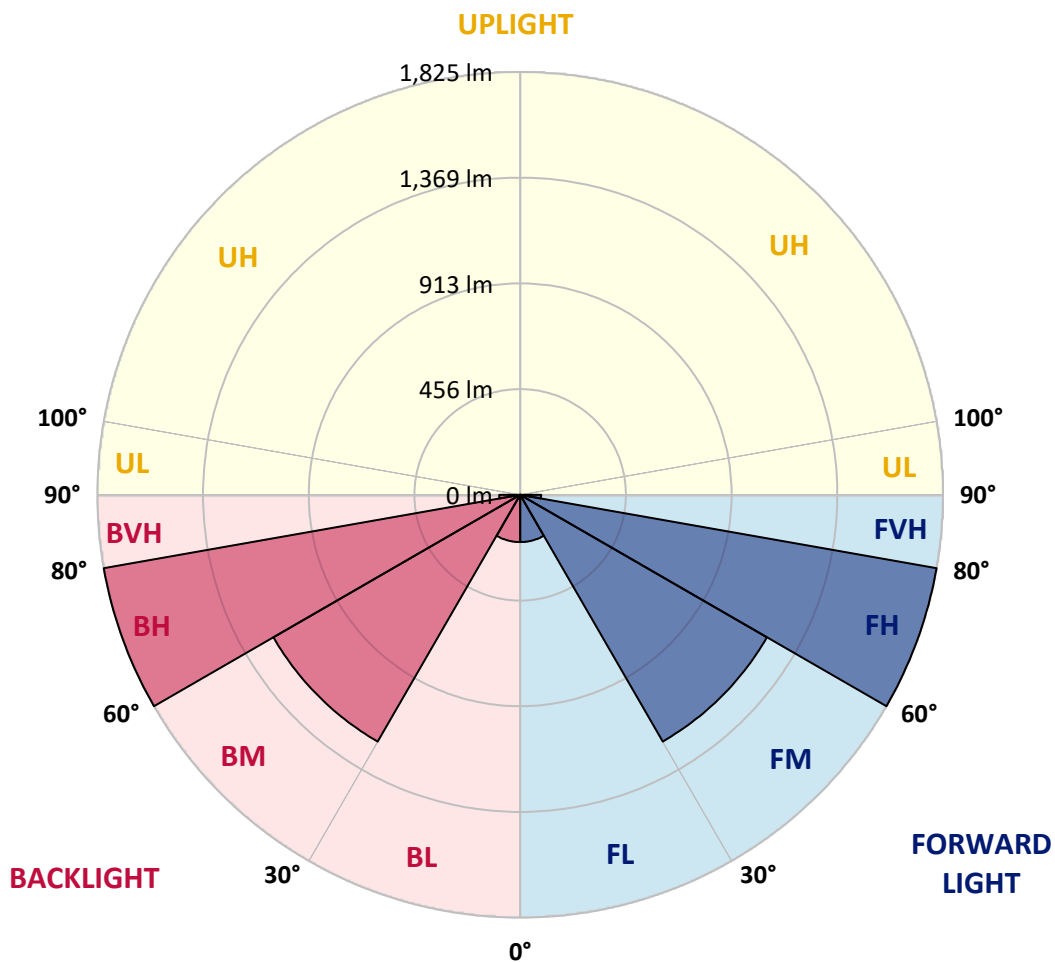
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.0	3.0			
FM (30°-60°)	1230.0	18.4			
FH (60°-80°)	1825.3	27.2			G2/5000
FVH (80°-90°)	90.3	1.3			G1/100
BL (0°-30°)	204.0	3.0	B1/500		
BM (30°-60°)	1230.0	18.4	B2/2500		
BH (60°-80°)	1825.3	27.2	B3/2500		G2/5000
BVH (80°-90°)	90.3	1.3			G1/100
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°	347.9	347.9	347.9	347.9	347.9	347.9	347.9	347.9	347.9	347.9	347.9
2.5°	350.7	351.4	350.7	350.7	350.7	350.7	350.7	350.0	350.0	350.0	350.7
5°	357.7	358.4	357.7	358.4	358.4	358.4	358.4	357.7	357.7	357.7	357.7
7.5°	368.9	368.9	368.9	369.7	368.9	368.9	369.7	368.9	368.9	368.9	368.9
10°	385.0	384.4	384.4	384.4	384.4	384.4	385.0	385.0	385.0	384.4	384.4
12.5°	404.7	404.0	404.7	404.7	405.4	405.4	405.4	405.4	405.4	405.4	404.7
15°	428.6	428.6	428.6	429.2	430.7	430.7	430.0	430.7	430.7	430.7	430.7
17.5°	455.2	456.6	455.2	455.9	456.6	455.9	457.3	458.0	458.7	458.0	455.9
20°	482.5	483.3	483.3	483.3	483.3	484.7	485.4	485.4	487.4	486.8	486.0
22.5°	508.5	510.0	510.0	510.6	510.6	512.7	512.7	512.7	514.1	515.5	514.1
25°	535.9	535.2	535.2	536.6	537.3	540.1	540.1	541.5	543.5	544.3	542.9
27.5°	560.4	559.7	559.7	561.8	562.5	566.0	566.0	568.8	570.2	571.0	569.5
30°	586.3	586.3	585.7	587.7	589.9	592.7	594.1	596.8	599.0	599.7	598.3
32.5°	617.2	615.8	616.6	618.0	619.4	622.1	624.3	627.7	630.5	631.3	629.9
35°	652.3	650.2	650.9	652.3	654.4	658.6	662.1	664.2	668.5	669.9	667.0
37.5°	690.9	691.5	690.9	694.4	697.9	702.8	707.0	709.8	714.1	716.1	714.1
40°	745.6	743.4	745.6	749.1	754.7	761.0	769.4	771.5	775.7	779.9	775.1
42.5°	816.4	815.0	819.9	822.7	829.0	836.1	846.6	852.2	858.5	861.3	857.1
45°	909.0	909.0	914.6	915.4	925.1	934.2	949.0	956.0	967.9	967.9	967.9
47.5°	1011.4	1015.6	1019.2	1026.1	1033.1	1050.0	1064.8	1080.1	1091.4	1092.8	1090.7
50°	1117.3	1121.5	1132.0	1141.9	1157.3	1178.3	1194.5	1214.8	1224.7	1233.0	1230.2
52.5°	1234.4	1235.2	1247.8	1260.4	1282.9	1306.0	1331.9	1353.0	1370.5	1378.2	1371.9
55°	1362.8	1364.2	1375.5	1388.8	1414.1	1440.7	1472.9	1494.7	1517.1	1531.2	1520.7
57.5°	1501.7	1502.4	1513.6	1529.8	1559.9	1586.5	1617.4	1648.3	1669.3	1682.0	1674.9
60°	1655.3	1658.8	1667.2	1687.5	1716.3	1744.4	1775.3	1802.6	1827.2	1840.5	1833.4
62.5°	1819.5	1822.9	1834.8	1851.0	1876.2	1907.1	1936.6	1971.6	1991.9	2006.7	1996.2
65°	1929.5	1935.8	1954.8	1976.6	2013.7	2053.7	2088.0	2135.7	2160.3	2177.8	2168.0
67.5°	1936.6	1940.0	1963.2	1996.2	2046.0	2106.2	2176.4	2250.8	2299.2	2322.3	2305.5
69°	1888.8	1893.8	1916.2	1953.4	2008.8	2078.9	2162.4	2255.0	2329.3	2363.7	2347.5
70°	1834.8	1845.4	1869.9	1910.6	1964.6	2038.2	2124.5	2223.5	2310.4	2357.4	2345.5
72.5°	1721.2	1724.0	1740.2	1772.4	1813.8	1874.8	1956.2	2049.5	2132.2	2199.5	2209.4
75°	1527.6	1536.8	1548.7	1570.4	1591.5	1635.6	1690.3	1754.2	1802.6	1854.5	1856.6
77.5°	1154.5	1181.9	1191.0	1195.9	1205.0	1240.1	1287.7	1343.2	1383.2	1391.5	1390.1
80°	518.3	554.8	563.3	603.2	627.7	686.0	758.9	843.8	900.6	906.9	891.4
82.5°	101.7	108.7	127.0	158.5	216.0	250.4	298.0	357.7	412.4	444.0	425.0
85°	33.7	35.8	41.4	45.6	52.6	59.6	72.3	89.8	111.5	123.4	110.1
87.5°	13.3	13.3	15.4	16.8	18.2	18.2	18.2	16.8	16.1	13.3	11.9
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°	347.9	347.9	347.9	347.9	347.9	347.9	347.9	347.9
2.5°	350.0	350.0	350.0	350.0	350.0	350.0	350.0	350.0
5°	357.7	357.0	357.0	356.3	356.3	356.3	356.3	356.3
7.5°	368.2	367.5	366.8	367.5	366.8	366.8	366.8	366.8
10°	384.4	383.0	382.2	381.6	381.6	381.6	380.8	380.8
12.5°	403.3	403.3	402.6	401.9	400.5	401.2	400.5	399.1
15°	429.2	427.8	427.2	426.4	425.0	425.0	425.0	424.4
17.5°	455.2	453.8	453.8	451.7	451.0	451.0	451.0	451.7
20°	484.0	481.9	480.5	479.1	477.7	478.3	476.9	478.3
22.5°	512.7	510.0	508.5	506.4	504.3	504.3	503.6	502.2
25°	540.7	537.3	535.9	533.8	531.0	531.0	529.6	528.2
27.5°	567.4	563.9	562.5	558.3	555.5	554.8	553.4	552.7
30°	596.8	592.7	590.6	586.3	582.1	581.5	579.4	579.4
32.5°	627.7	623.5	622.1	615.8	612.3	612.3	610.9	609.5
35°	666.3	660.0	658.6	652.3	647.4	647.4	646.0	646.7
37.5°	711.9	707.0	702.1	697.2	691.5	690.9	689.5	688.1
40°	772.9	767.4	761.7	754.7	749.8	748.4	746.2	745.6
42.5°	854.3	848.7	837.5	831.8	827.0	822.7	822.1	821.3
45°	958.1	951.1	943.4	932.8	926.5	917.4	916.0	912.5
47.5°	1083.0	1069.6	1056.3	1047.2	1037.4	1026.8	1024.8	1019.2
50°	1215.5	1205.0	1182.5	1167.8	1152.4	1141.9	1134.9	1132.8
52.5°	1357.9	1338.2	1315.8	1296.2	1273.8	1259.7	1247.1	1243.5
55°	1506.6	1478.5	1450.5	1427.4	1404.8	1388.1	1376.1	1370.5
57.5°	1655.3	1624.4	1593.6	1568.3	1549.4	1527.6	1515.7	1512.9
60°	1810.3	1780.8	1749.3	1724.0	1700.8	1682.0	1674.9	1661.6
62.5°	1974.4	1943.5	1914.1	1889.6	1860.1	1846.8	1834.8	1827.2
65°	2135.7	2100.0	2062.8	2036.8	2007.4	1988.5	1973.7	1963.2
67.5°	2260.6	2206.6	2156.8	2113.3	2073.3	2043.8	2024.9	2015.1
69°	2295.6	2228.3	2164.5	2107.7	2060.7	2027.7	2006.7	1996.8
70°	2291.5	2217.1	2147.0	2084.6	2033.3	1998.2	1978.0	1959.7
72.5°	2161.7	2093.7	2015.8	1947.7	1901.5	1867.8	1847.5	1837.7
75°	1844.7	1799.1	1743.0	1690.3	1656.7	1637.0	1611.8	1612.5
77.5°	1343.2	1344.6	1306.7	1252.7	1214.8	1207.8	1196.6	1185.3
80°	833.2	766.6	723.2	664.9	622.1	584.9	568.8	533.8
82.5°	384.4	300.2	232.8	176.1	135.3	106.0	92.6	75.7
85°	85.6	65.2	54.0	43.4	37.2	34.3	28.1	26.0
87.5°	11.9	10.5	9.9	9.1	7.7	5.6	4.2	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)