

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: P180077

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180077
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-E03-LED-E1-5WQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8115.2 lumens
Efficiency: N/A
Efficacy: 107.9 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

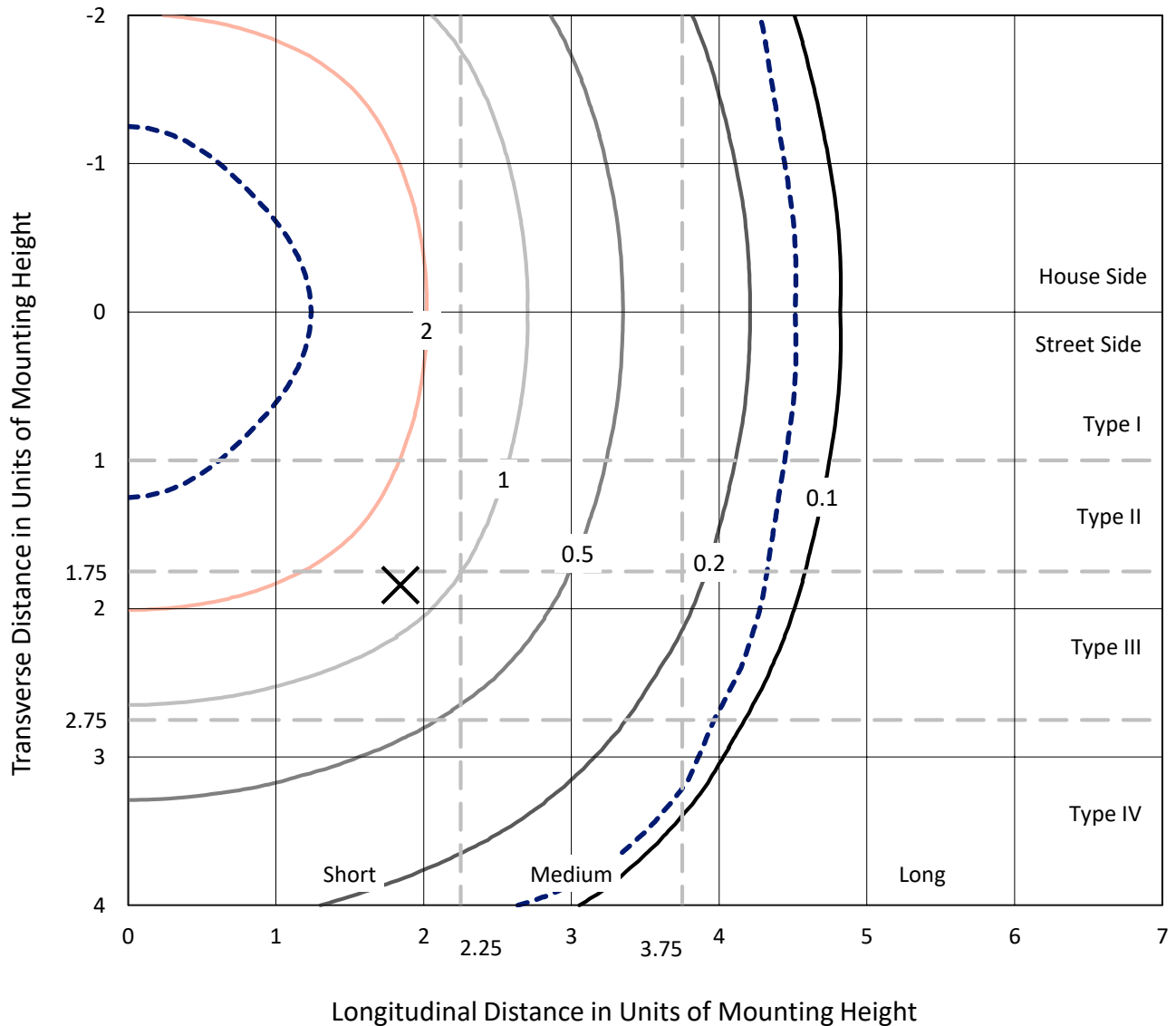
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

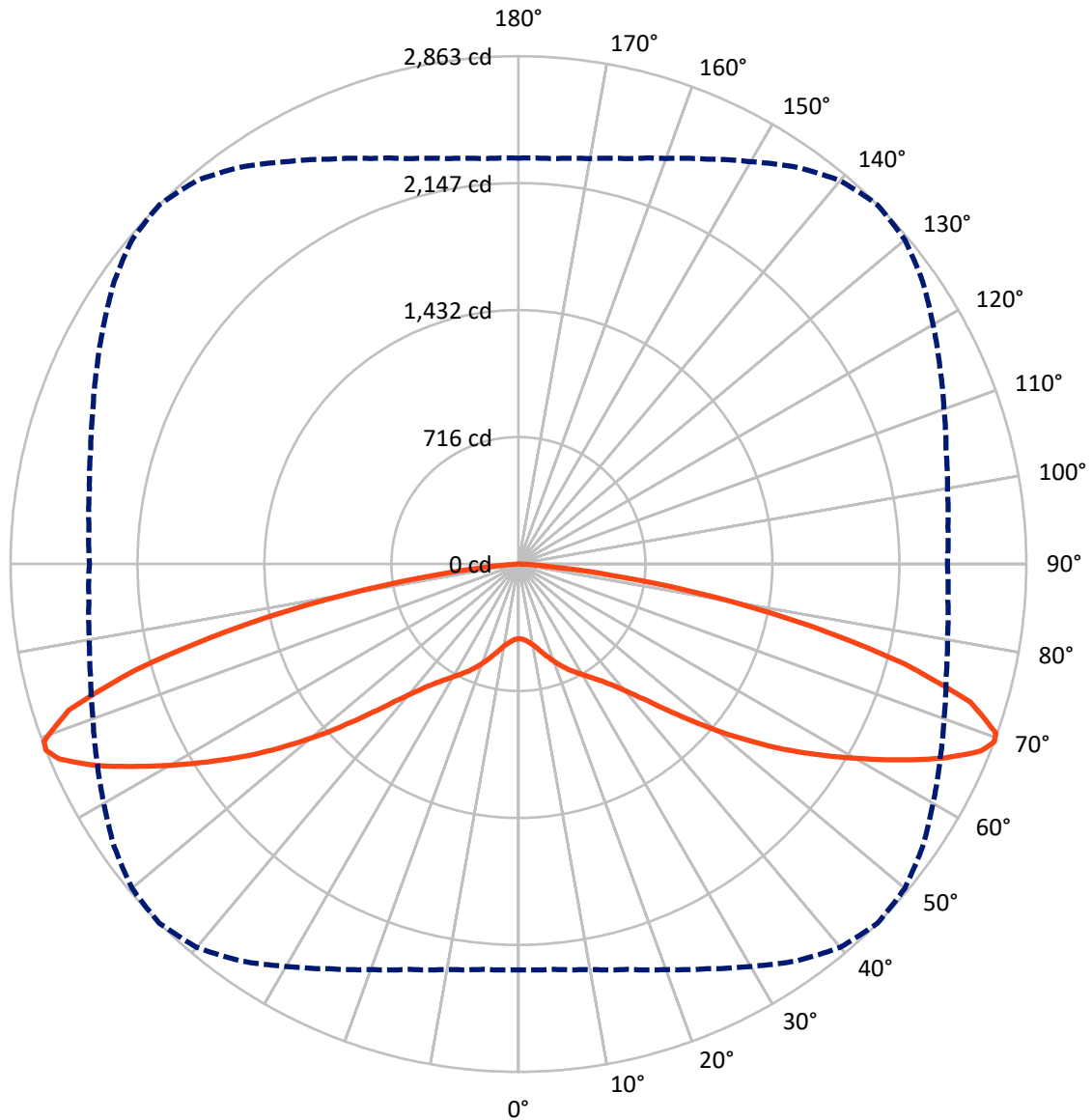
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 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	4057.6	0.0	4057.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4057.6	0.0	4057.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8115.2	0.0	8115.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	0.5
10°-20°	149.4	1.8
20°-30°	302.6	3.7
30°-40°	507.3	6.3
40°-50°	894.8	11.0
50°-60°	1577.9	19.4
60°-70°	2409.1	29.7
70°-80°	2013.0	24.8
80°-90°	218.7	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°	8115.2	100.0
0°-180°	8115.2	100.0



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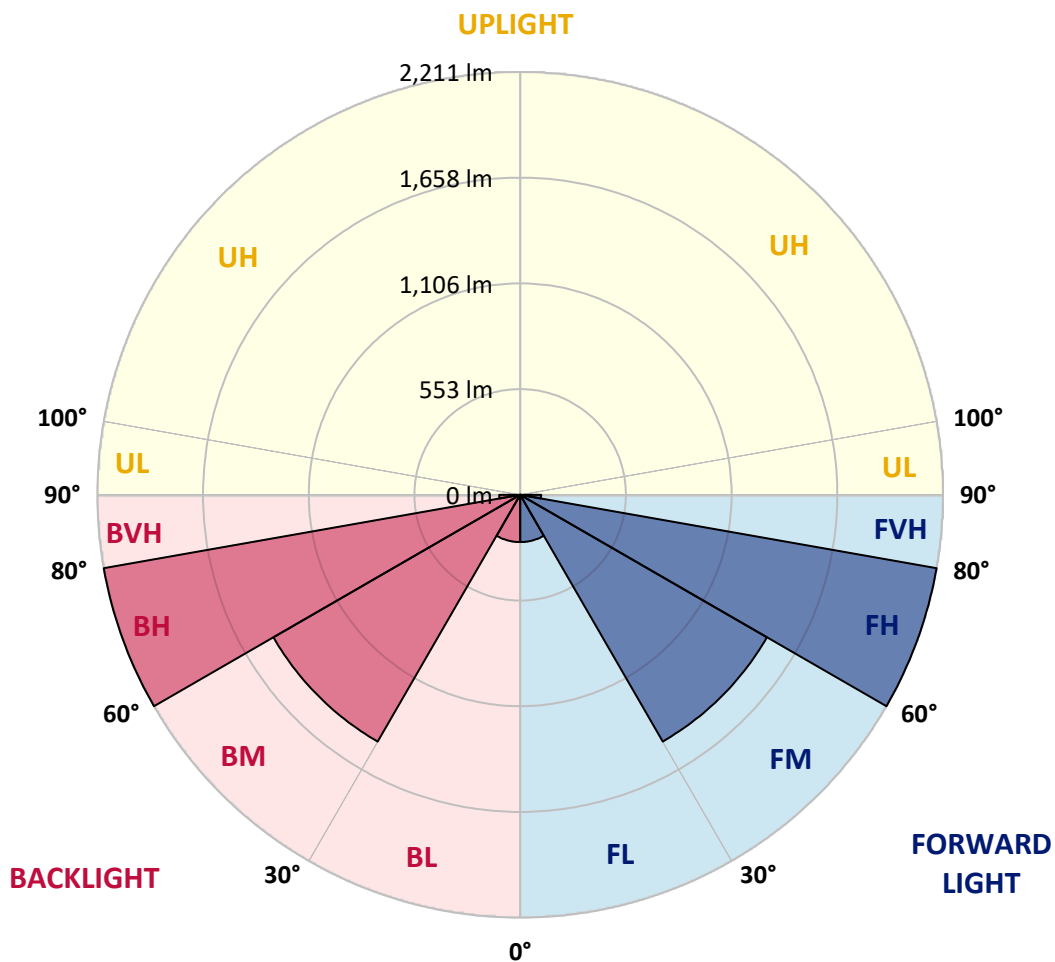
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.2	3.0			
FM	(30°-60°)	1490.0	18.4			
FH	(60°-80°)	2211.1	27.2			G2/5000
FVH	(80°-90°)	109.4	1.3			G2/225
BL	(0°-30°)	247.2	3.0	B1/500		
BM	(30°-60°)	1490.0	18.4	B2/2500		
BH	(60°-80°)	2211.1	27.2	B3/2500		G2/5000
BVH	(80°-90°)	109.4	1.3			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°	421.4	421.4	421.4	421.4	421.4	421.4	421.4	421.4	421.4	421.4	421.4
2.5°	424.8	425.7	424.8	424.8	424.8	424.8	424.8	424.0	424.0	424.0	424.8
5°	433.3	434.1	433.3	434.1	434.1	434.1	434.1	433.3	433.3	433.3	433.3
7.5°	446.9	446.9	446.9	447.7	446.9	446.9	447.7	446.9	446.9	446.9	446.9
10°	466.4	465.6	465.6	465.6	465.6	465.6	466.4	466.4	466.4	465.6	465.6
12.5°	490.2	489.4	490.2	490.2	491.1	491.1	491.1	491.1	491.1	491.1	490.2
15°	519.2	519.2	519.2	520.0	521.7	521.7	520.8	521.7	521.7	521.7	521.7
17.5°	551.4	553.1	551.4	552.3	553.1	552.3	554.0	554.8	555.6	554.8	552.3
20°	584.6	585.4	585.4	585.4	585.4	587.1	587.9	587.9	590.5	589.7	588.8
22.5°	616.0	617.7	617.7	618.5	618.5	621.1	621.1	621.1	622.8	624.5	622.8
25°	649.1	648.3	648.3	650.0	650.8	654.2	654.2	655.9	658.4	659.4	657.6
27.5°	678.9	678.1	678.1	680.6	681.4	685.7	685.7	689.0	690.8	691.6	689.9
30°	710.3	710.3	709.4	712.0	714.5	718.0	719.6	723.1	725.6	726.4	724.7
32.5°	747.6	746.0	746.8	748.6	750.2	753.6	756.2	760.4	763.8	764.7	763.0
35°	790.1	787.6	788.5	790.1	792.7	797.8	802.1	804.6	809.7	811.4	808.0
37.5°	836.9	837.8	836.9	841.1	845.4	851.4	856.5	859.8	864.9	867.4	864.9
40°	903.2	900.7	903.2	907.4	914.2	921.9	932.0	934.6	939.7	944.7	938.9
42.5°	988.9	987.3	993.2	996.7	1004.3	1012.8	1025.5	1032.3	1039.9	1043.4	1038.2
45°	1101.1	1101.1	1107.9	1108.8	1120.7	1131.7	1149.6	1158.1	1172.5	1172.5	1172.5
47.5°	1225.2	1230.2	1234.5	1243.0	1251.5	1271.9	1289.8	1308.5	1322.1	1323.7	1321.2
50°	1353.5	1358.5	1371.3	1383.2	1401.9	1427.4	1446.9	1471.5	1483.5	1493.7	1490.2
52.5°	1495.4	1496.2	1511.5	1526.8	1554.0	1582.1	1613.5	1639.0	1660.2	1669.5	1661.9
55°	1650.8	1652.6	1666.1	1682.2	1712.8	1745.1	1784.2	1810.5	1837.8	1854.7	1842.0
57.5°	1819.1	1819.9	1833.5	1853.0	1889.6	1921.9	1959.3	1996.7	2022.2	2037.4	2028.9
60°	2005.1	2009.4	2019.5	2044.2	2079.1	2113.0	2150.4	2183.5	2213.3	2229.4	2220.9
62.5°	2203.9	2208.2	2222.6	2242.2	2272.8	2310.2	2345.9	2388.3	2412.9	2430.8	2418.1
65°	2337.3	2344.9	2367.9	2394.2	2439.3	2487.7	2529.3	2587.2	2616.9	2638.2	2626.2
67.5°	2345.9	2350.1	2378.2	2418.1	2478.3	2551.5	2636.4	2726.4	2785.1	2813.1	2792.8
69°	2288.1	2294.0	2321.2	2366.2	2433.3	2518.3	2619.5	2731.6	2821.6	2863.3	2843.7
70°	2222.6	2235.4	2265.1	2314.4	2379.8	2469.0	2573.5	2693.3	2798.7	2855.6	2841.1
72.5°	2085.0	2088.4	2107.9	2147.0	2197.1	2271.1	2369.6	2482.6	2582.9	2664.5	2676.4
75°	1850.5	1861.6	1876.0	1902.3	1927.8	1981.3	2047.6	2124.9	2183.5	2246.4	2248.9
77.5°	1398.5	1431.6	1442.7	1448.7	1459.6	1502.1	1559.9	1627.1	1675.5	1685.7	1684.0
80°	627.9	672.1	682.2	730.7	760.4	831.0	919.3	1022.1	1090.9	1098.6	1079.9
82.5°	123.2	131.7	153.8	192.0	261.7	303.4	361.1	433.3	499.5	537.9	514.9
85°	40.7	43.3	50.1	55.3	63.7	72.2	87.5	108.7	135.1	149.5	133.4
87.5°	16.2	16.2	18.7	20.4	22.0	22.0	22.0	20.4	19.5	16.2	14.4
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°	421.4	421.4	421.4	421.4	421.4	421.4	421.4	421.4
2.5°	424.0	424.0	424.0	424.0	424.0	424.0	424.0	424.0
5°	433.3	432.5	432.5	431.6	431.6	431.6	431.6	431.6
7.5°	446.0	445.2	444.4	445.2	444.4	444.4	444.4	444.4
10°	465.6	463.9	463.1	462.2	462.2	462.2	461.3	461.3
12.5°	488.6	488.6	487.7	486.8	485.1	486.0	485.1	483.4
15°	520.0	518.2	517.4	516.6	514.9	514.9	514.9	514.0
17.5°	551.4	549.7	549.7	547.2	546.3	546.3	546.3	547.2
20°	586.2	583.7	582.0	580.3	578.6	579.4	577.8	579.4
22.5°	621.1	617.7	616.0	613.4	610.9	610.9	610.1	608.4
25°	655.1	650.8	649.1	646.6	643.2	643.2	641.5	639.8
27.5°	687.4	683.1	681.4	676.3	672.9	672.1	670.3	669.5
30°	723.1	718.0	715.4	710.3	705.2	704.4	701.8	701.8
32.5°	760.4	755.4	753.6	746.0	741.8	741.8	740.0	738.3
35°	807.2	799.5	797.8	790.1	784.2	784.2	782.5	783.4
37.5°	862.4	856.5	850.5	844.6	837.8	836.9	835.2	833.5
40°	936.3	929.5	922.7	914.2	908.3	906.5	904.0	903.2
42.5°	1034.9	1028.1	1014.4	1007.6	1001.7	996.7	995.7	994.9
45°	1160.6	1152.1	1142.8	1130.1	1122.3	1111.4	1109.6	1105.4
47.5°	1311.8	1295.7	1279.5	1268.5	1256.6	1243.8	1241.3	1234.5
50°	1472.4	1459.6	1432.5	1414.6	1395.9	1383.2	1374.7	1372.2
52.5°	1644.8	1621.1	1593.9	1570.1	1542.9	1526.0	1510.6	1506.4
55°	1825.0	1791.0	1757.0	1729.0	1701.8	1681.4	1667.0	1660.2
57.5°	2005.1	1967.7	1930.3	1899.8	1876.8	1850.5	1836.1	1832.7
60°	2192.9	2157.2	2119.0	2088.4	2060.4	2037.4	2028.9	2012.8
62.5°	2391.7	2354.3	2318.6	2288.9	2253.2	2237.1	2222.6	2213.3
65°	2587.2	2543.8	2498.8	2467.4	2431.6	2408.7	2390.9	2378.2
67.5°	2738.3	2672.9	2612.7	2559.9	2511.6	2475.8	2452.9	2441.0
69°	2780.9	2699.3	2622.0	2553.1	2496.2	2456.3	2430.8	2418.9
70°	2775.7	2685.7	2600.8	2525.1	2463.1	2420.6	2395.9	2373.9
72.5°	2618.5	2536.2	2441.9	2359.5	2303.4	2262.6	2238.0	2226.1
75°	2234.5	2179.3	2111.4	2047.6	2006.8	1983.1	1952.5	1953.3
77.5°	1627.1	1628.8	1582.9	1517.4	1471.5	1463.1	1449.5	1435.9
80°	1009.4	928.7	876.0	805.5	753.6	708.6	689.0	646.6
82.5°	465.6	363.6	282.0	213.3	164.0	128.3	112.2	91.7
85°	103.6	79.0	65.4	52.7	45.0	41.7	34.0	31.4
87.5°	14.4	12.7	11.9	11.1	9.3	6.8	5.1	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)