

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: STREETWORKS

Report Number: P148038

Luminaire Tested: **AVM-E03-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148038
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-E03-LED-E-U-5WQ-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8061.3 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

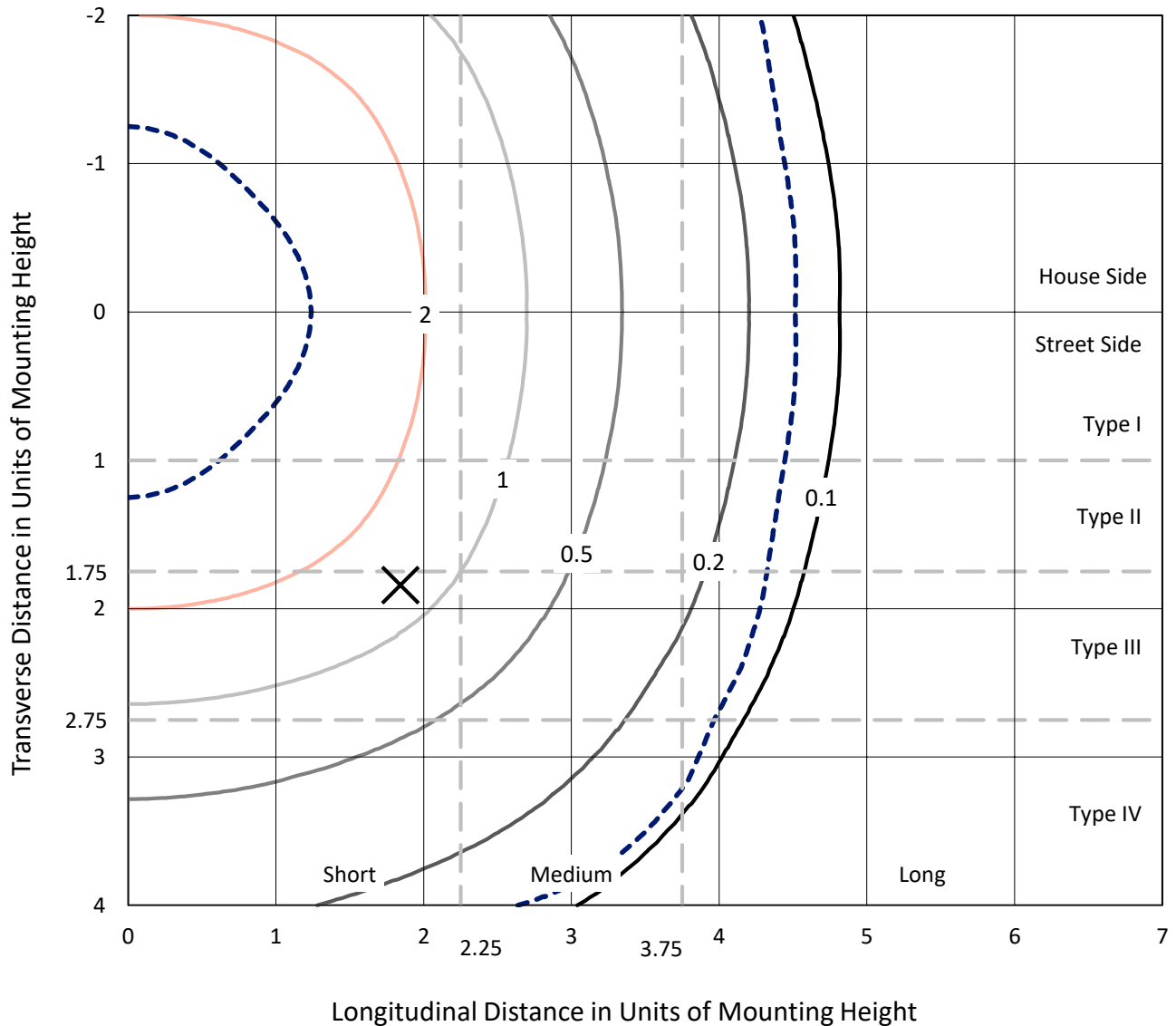
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

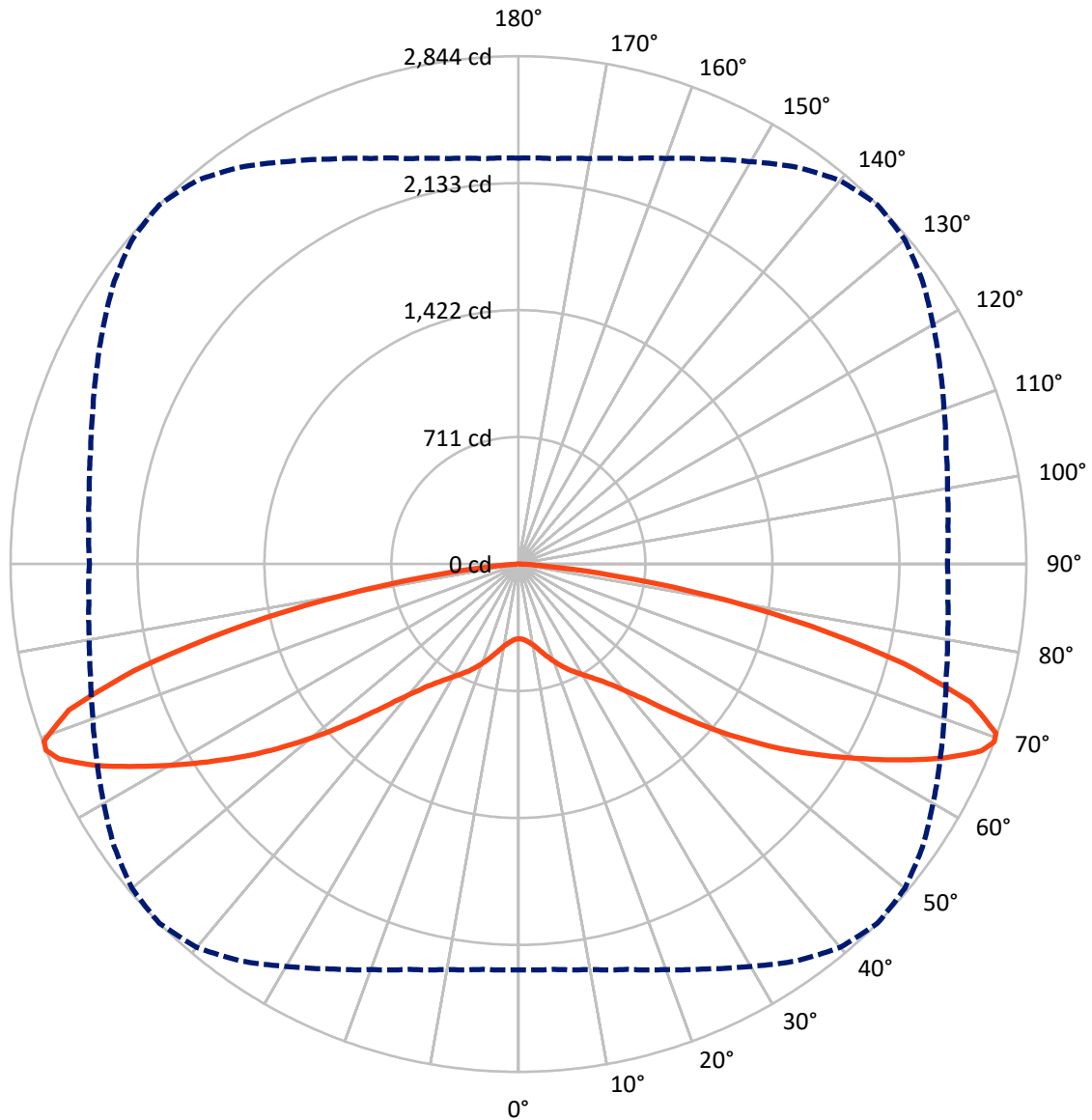
✕ Max cd
 - - - 1/2 Max cd



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	4030.6	0.0	4030.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4030.6	0.0	4030.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8061.3	0.0	8061.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	0.5
10°-20°	148.4	1.8
20°-30°	300.6	3.7
30°-40°	503.9	6.3
40°-50°	888.9	11.0
50°-60°	1567.5	19.4
60°-70°	2393.1	29.7
70°-80°	1999.7	24.8
80°-90°	217.3	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°	8061.3	100.0
0°-180°	8061.3	100.0



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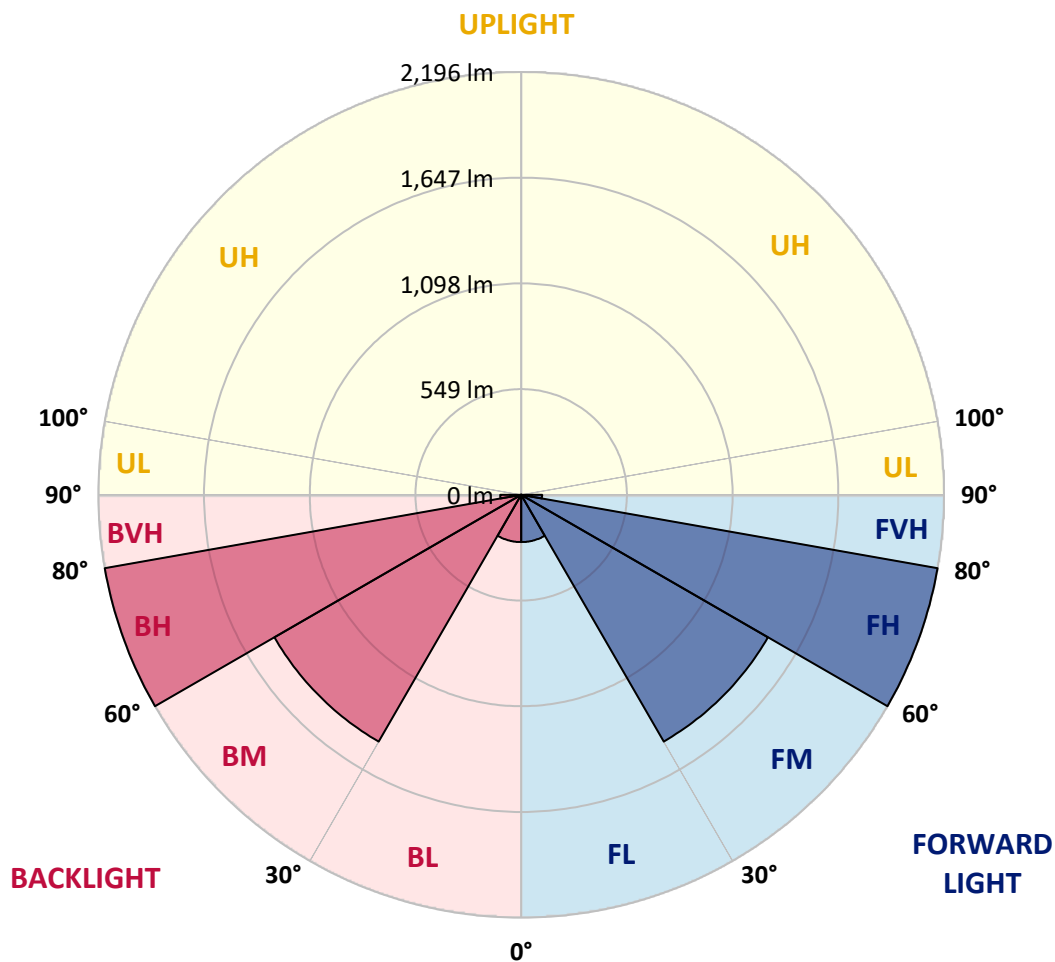
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.5	3.0			
FM	(30°-60°)	1480.1	18.4			
FH	(60°-80°)	2196.4	27.2			G2/5000
FVH	(80°-90°)	108.6	1.3			G2/225
BL	(0°-30°)	245.5	3.0	B1/500		
BM	(30°-60°)	1480.1	18.4	B2/2500		
BH	(60°-80°)	2196.4	27.2	B3/2500		G2/5000
BVH	(80°-90°)	108.6	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°	418.6	418.6	418.6	418.6	418.6	418.6	418.6	418.6	418.6	418.6	418.6
2.5°	422.0	422.8	422.0	422.0	422.0	422.0	422.0	421.2	421.2	421.2	422.0
5°	430.4	431.3	430.4	431.3	431.3	431.3	431.3	430.4	430.4	430.4	430.4
7.5°	443.9	443.9	443.9	444.8	443.9	443.9	444.8	443.9	443.9	443.9	443.9
10°	463.4	462.5	462.5	462.5	462.5	462.5	463.4	463.4	463.4	462.5	462.5
12.5°	487.0	486.1	487.0	487.0	487.8	487.8	487.8	487.8	487.8	487.8	487.0
15°	515.7	515.7	515.7	516.5	518.2	518.2	517.4	518.2	518.2	518.2	518.2
17.5°	547.8	549.4	547.8	548.6	549.4	548.6	550.3	551.1	552.0	551.1	548.6
20°	580.7	581.5	581.5	581.5	581.5	583.2	584.0	584.0	586.6	585.7	584.9
22.5°	611.9	613.6	613.6	614.4	614.4	617.0	617.0	617.0	618.6	620.3	618.6
25°	644.8	644.0	644.0	645.7	646.5	649.9	649.9	651.6	654.1	654.9	653.2
27.5°	674.3	673.5	673.5	676.0	676.9	681.1	681.1	684.5	686.2	687.0	685.3
30°	705.6	705.6	704.7	707.3	709.8	713.2	714.9	718.2	720.8	721.6	719.9
32.5°	742.7	741.0	741.9	743.6	745.2	748.6	751.2	755.4	758.7	759.6	757.9
35°	784.9	782.4	783.2	784.9	787.4	792.5	796.7	799.3	804.3	806.0	802.6
37.5°	831.3	832.2	831.3	835.6	839.8	845.7	850.7	854.1	859.2	861.7	859.2
40°	897.2	894.6	897.2	901.4	908.1	915.7	925.9	928.4	933.5	938.5	932.6
42.5°	982.4	980.7	986.6	990.0	997.6	1006.0	1018.7	1025.4	1033.0	1036.4	1031.4
45°	1093.8	1093.8	1100.6	1101.4	1113.2	1124.2	1141.9	1150.4	1164.7	1164.7	1164.7
47.5°	1217.0	1222.1	1226.3	1234.8	1243.2	1263.5	1281.2	1299.7	1313.2	1314.9	1312.4
50°	1344.5	1349.5	1362.2	1374.0	1392.6	1417.9	1437.3	1461.8	1473.6	1483.7	1480.4
52.5°	1485.4	1486.3	1501.5	1516.7	1543.7	1571.5	1602.7	1628.1	1649.2	1658.4	1650.8
55°	1639.9	1641.6	1655.1	1671.1	1701.5	1733.6	1772.4	1798.5	1825.6	1842.4	1829.8
57.5°	1807.0	1807.8	1821.3	1840.7	1877.0	1909.1	1946.2	1983.4	2008.7	2023.9	2015.5
60°	1991.8	1996.0	2006.2	2030.6	2065.2	2099.0	2136.1	2169.1	2198.6	2214.6	2206.2
62.5°	2189.3	2193.5	2207.9	2227.3	2257.7	2294.8	2330.3	2372.5	2396.9	2414.7	2402.0
65°	2321.8	2329.4	2352.2	2378.4	2423.1	2471.2	2512.6	2570.0	2599.5	2620.6	2608.8
67.5°	2330.3	2334.5	2362.3	2402.0	2461.9	2534.5	2618.9	2708.4	2766.6	2794.5	2774.2
69°	2272.9	2278.8	2305.8	2350.5	2417.2	2501.6	2602.0	2713.4	2802.9	2844.2	2824.8
70°	2207.9	2220.5	2250.1	2299.0	2364.0	2452.6	2556.4	2675.5	2780.1	2836.7	2822.3
72.5°	2071.2	2074.5	2093.9	2132.8	2182.6	2256.0	2353.9	2466.1	2565.7	2646.8	2658.6
75°	1838.2	1849.2	1863.5	1889.7	1915.0	1968.2	2034.0	2110.8	2169.1	2231.5	2234.0
77.5°	1389.2	1422.1	1433.1	1439.0	1450.0	1492.2	1549.6	1616.2	1664.4	1674.5	1672.8
80°	623.7	667.6	677.7	725.8	755.4	825.4	913.2	1015.3	1083.7	1091.3	1072.7
82.5°	122.4	130.8	152.8	190.7	259.9	301.3	358.7	430.4	496.3	534.2	511.5
85°	40.5	43.0	49.8	54.9	63.3	71.7	86.9	108.0	134.2	148.5	132.5
87.5°	16.0	16.0	18.6	20.3	21.9	21.9	21.9	20.3	19.4	16.0	14.3
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°	418.6	418.6	418.6	418.6	418.6	418.6	418.6	418.6
2.5°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
5°	430.4	429.6	429.6	428.7	428.7	428.7	428.7	428.7
7.5°	443.1	442.3	441.4	442.3	441.4	441.4	441.4	441.4
10°	462.5	460.8	460.0	459.1	459.1	459.1	458.3	458.3
12.5°	485.3	485.3	484.5	483.6	481.9	482.8	481.9	480.2
15°	516.5	514.8	514.0	513.1	511.5	511.5	511.5	510.6
17.5°	547.8	546.1	546.1	543.5	542.7	542.7	542.7	543.5
20°	582.4	579.8	578.1	576.4	574.8	575.6	573.9	575.6
22.5°	617.0	613.6	611.9	609.4	606.8	606.8	606.0	604.3
25°	650.7	646.5	644.8	642.3	638.9	638.9	637.2	635.5
27.5°	682.8	678.6	676.9	671.8	668.4	667.6	665.9	665.1
30°	718.2	713.2	710.6	705.6	700.5	699.7	697.1	697.1
32.5°	755.4	750.3	748.6	741.0	736.8	736.8	735.1	733.4
35°	801.8	794.2	792.5	784.9	779.0	779.0	777.3	778.2
37.5°	856.7	850.7	844.8	838.9	832.2	831.3	829.6	828.0
40°	930.1	923.3	916.6	908.1	902.2	900.5	898.0	897.2
42.5°	1028.0	1021.2	1007.7	1001.0	995.1	990.0	989.2	988.3
45°	1152.9	1144.5	1135.2	1122.5	1114.9	1103.9	1102.3	1098.0
47.5°	1303.1	1287.1	1271.1	1260.1	1248.3	1235.6	1233.1	1226.3
50°	1462.6	1450.0	1423.0	1405.2	1386.7	1374.0	1365.6	1363.0
52.5°	1634.0	1610.3	1583.3	1559.7	1532.7	1515.8	1500.6	1496.4
55°	1812.9	1779.1	1745.4	1717.5	1690.5	1670.3	1655.9	1649.2
57.5°	1991.8	1954.7	1917.5	1887.2	1864.4	1838.2	1823.9	1820.5
60°	2178.3	2142.9	2104.9	2074.5	2046.7	2023.9	2015.5	1999.4
62.5°	2375.8	2338.7	2303.3	2273.7	2238.3	2222.2	2207.9	2198.6
65°	2570.0	2526.9	2482.2	2450.9	2415.5	2392.7	2375.0	2362.3
67.5°	2720.2	2655.2	2595.3	2542.9	2494.8	2459.4	2436.6	2424.8
69°	2762.4	2681.4	2604.6	2536.2	2479.6	2440.0	2414.7	2402.8
70°	2757.3	2667.9	2583.5	2508.3	2446.7	2404.5	2380.1	2358.1
72.5°	2601.2	2519.3	2425.6	2343.8	2288.1	2247.5	2223.1	2211.3
75°	2219.7	2164.8	2097.3	2034.0	1993.5	1969.9	1939.5	1940.3
77.5°	1616.2	1617.9	1572.4	1507.4	1461.8	1453.4	1439.8	1426.3
80°	1002.7	922.5	870.2	800.1	748.6	703.9	684.5	642.3
82.5°	462.5	361.2	280.2	211.8	162.9	127.4	111.4	91.2
85°	103.0	78.5	65.0	52.3	44.7	41.4	33.8	31.2
87.5°	14.3	12.7	11.8	11.0	9.3	6.8	5.1	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)