

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: P147464

Luminaire Tested: **TMU-F03-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147464
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-F03-LED-E-U-5MQ-7030
Description: TALON MEDIUM LED AREA LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7292.1 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

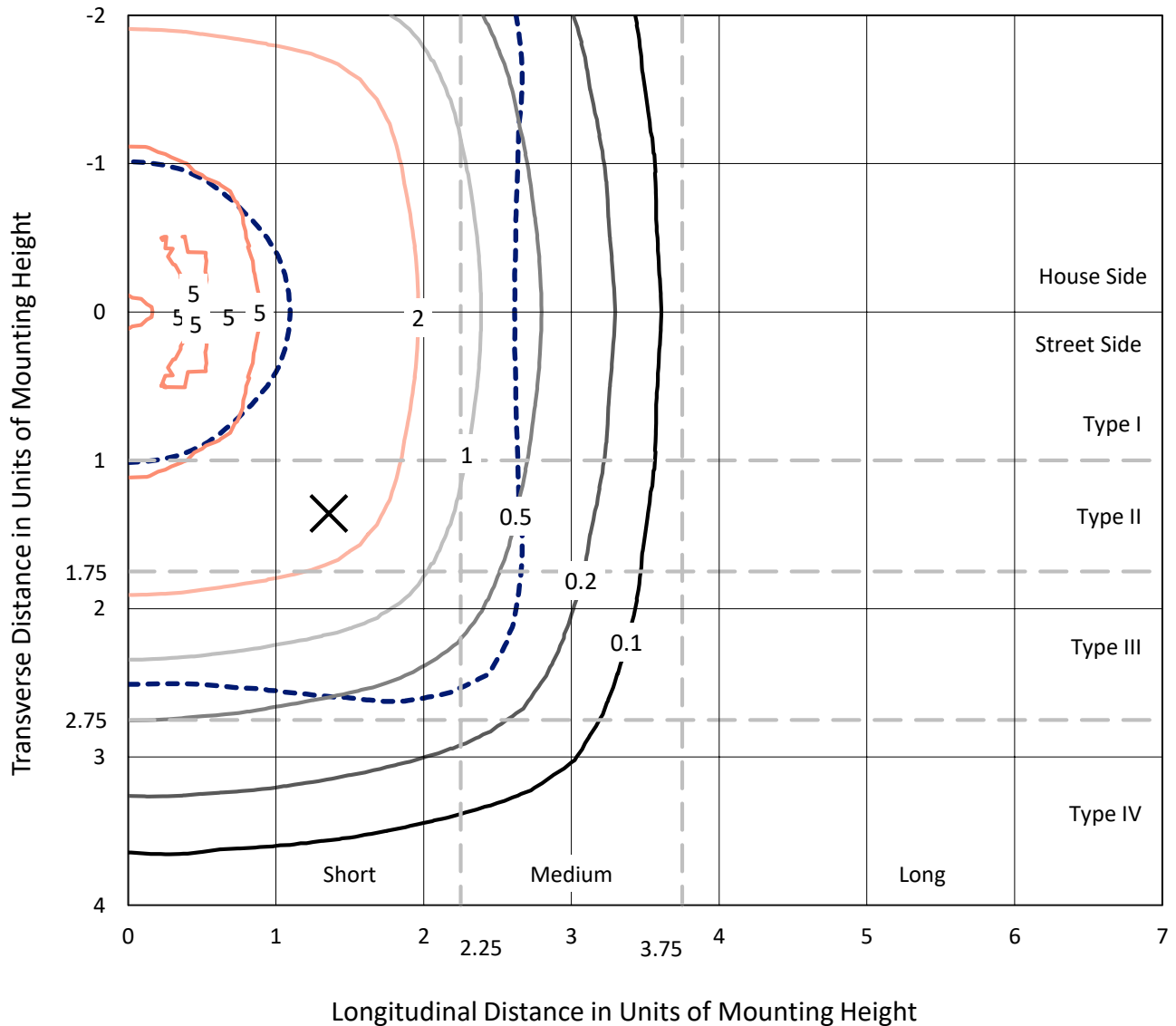
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

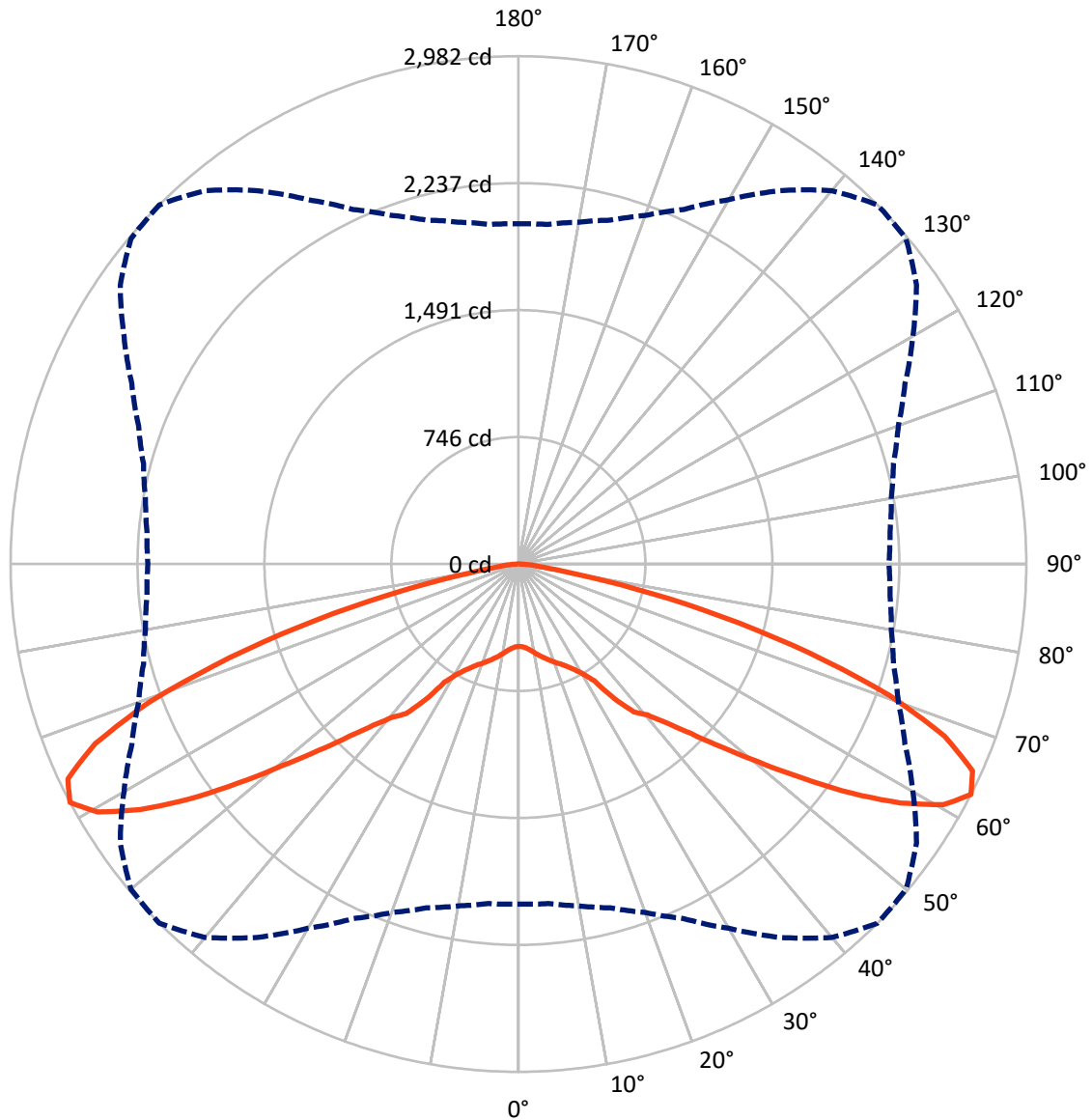
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3646.1	0.0	3646.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3646.1	0.0	3646.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7292.1	0.0	7292.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	0.7
10°-20°	164.0	2.2
20°-30°	317.1	4.3
30°-40°	613.9	8.4
40°-50°	1108.4	15.2
50°-60°	1927.4	26.4
60°-70°	2188.1	30.0
70°-80°	848.3	11.6
80°-90°	76.5	1.0
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°	7292.1	100.0
0°-180°	7292.1	100.0



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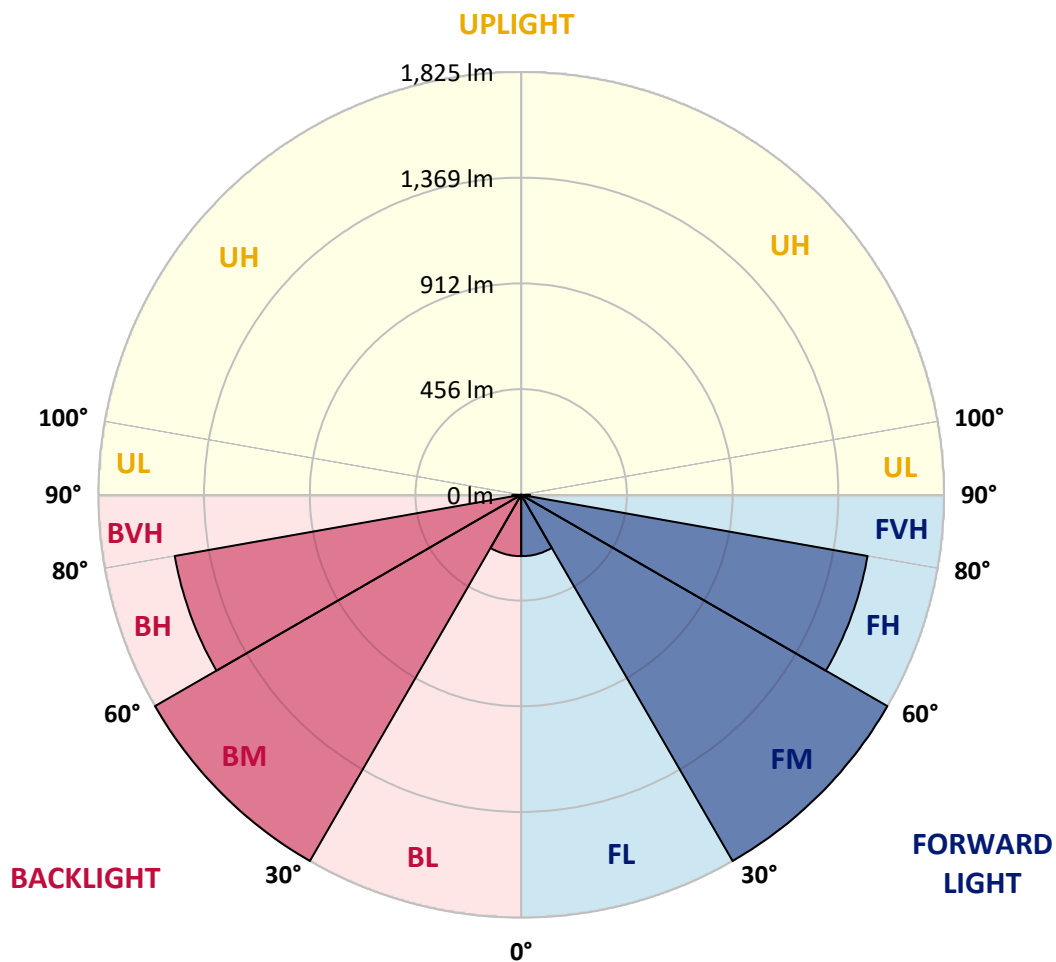
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.8	3.6			
FM	(30°-60°)	1824.8	25.0			
FH	(60°-80°)	1518.2	20.8			G1/1800
FVH	(80°-90°)	38.3	0.5			G1/100
BL	(0°-30°)	264.8	3.6	B1/500		
BM	(30°-60°)	1824.8	25.0	B2/2500		
BH	(60°-80°)	1518.2	20.8	B3/2500		G1/1800
BVH	(80°-90°)	38.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1
2.5°	487.1	488.6	488.2	487.4	487.4	487.5	487.1	486.0	485.6	486.3	487.0
5°	498.4	498.4	498.4	498.4	497.6	497.6	496.9	496.2	496.5	495.8	495.4
7.5°	515.8	514.6	514.6	514.2	514.2	513.4	512.3	510.8	511.2	510.8	510.4
10°	536.1	536.4	535.3	536.5	534.6	534.2	532.7	532.0	531.6	530.4	530.4
12.5°	560.6	559.4	559.5	558.7	558.0	557.2	555.0	554.6	553.0	552.3	551.2
15°	583.6	583.2	581.7	580.2	579.8	579.1	576.4	574.9	574.5	572.6	571.2
17.5°	606.6	605.8	604.0	603.2	601.7	600.6	598.3	596.0	594.9	594.2	592.3
20°	631.1	630.3	628.4	627.0	625.0	623.6	620.2	618.3	617.1	616.0	614.5
22.5°	661.6	660.2	657.1	654.4	650.3	648.8	644.2	641.6	639.8	638.3	637.5
25°	694.8	695.2	691.0	687.6	682.8	678.6	673.0	669.9	668.0	666.5	666.2
27.5°	736.3	736.6	732.8	728.0	720.4	716.0	708.4	704.6	703.4	702.0	701.6
30°	801.8	798.5	792.1	784.2	777.3	767.6	756.6	752.8	749.1	748.0	748.0
32.5°	922.5	920.6	915.4	895.8	886.7	866.3	847.1	836.2	823.8	817.7	814.0
35°	1007.0	1006.2	1002.0	995.3	989.6	985.4	974.2	972.2	970.0	970.0	973.0
37.5°	1069.2	1064.6	1063.9	1065.0	1063.5	1064.2	1073.3	1085.8	1096.3	1101.6	1100.8
40°	1161.2	1154.8	1158.6	1155.8	1152.4	1151.8	1154.8	1159.6	1164.6	1164.5	1163.4
42.5°	1281.4	1284.4	1285.9	1275.0	1267.8	1265.9	1273.2	1271.6	1276.5	1274.6	1269.7
45°	1460.2	1458.2	1455.6	1442.4	1431.1	1422.0	1423.9	1421.3	1421.6	1418.6	1414.9
47.5°	1640.3	1646.7	1635.8	1629.4	1616.6	1610.1	1615.4	1610.9	1619.6	1603.8	1596.2
50°	1815.2	1819.8	1816.0	1807.0	1807.0	1816.0	1822.4	1830.7	1842.8	1824.7	1797.5
52.5°	1958.5	1962.3	1968.0	1975.4	1994.0	2013.2	2040.3	2069.4	2092.3	2089.0	2058.0
55°	2046.0	2050.4	2059.9	2085.9	2119.1	2169.6	2231.0	2298.6	2351.3	2377.0	2354.4
57.5°	2075.4	2078.8	2104.4	2135.7	2187.3	2262.4	2365.3	2481.8	2583.2	2647.6	2637.5
60°	2068.6	2068.6	2094.6	2137.6	2210.0	2309.5	2455.0	2616.4	2771.6	2868.2	2853.9
62.5°	1997.3	2001.1	2038.4	2090.0	2177.6	2296.7	2470.1	2676.3	2862.2	2982.0	2970.4
65°	1841.3	1843.9	1884.2	1945.7	2043.4	2184.3	2374.0	2602.4	2815.4	2930.8	2908.9
67.5°	1589.1	1591.6	1624.5	1693.8	1797.2	1944.6	2149.2	2400.7	2609.2	2700.5	2634.8
70°	1264.0	1271.6	1292.8	1366.2	1444.6	1589.1	1777.6	2029.0	2225.8	2312.1	2239.7
72.5°	861.4	880.6	906.3	971.6	1046.5	1166.4	1316.4	1528.4	1686.3	1786.2	1721.8
75°	485.2	512.3	520.2	569.6	631.4	726.1	835.8	987.8	1147.2	1228.2	1150.6
77.5°	209.6	231.8	241.7	264.7	312.9	352.5	419.2	521.8	645.0	702.0	608.8
80°	103.3	108.6	112.7	119.9	133.5	146.3	178.0	222.8	273.3	286.2	227.8
82.5°	79.9	83.7	90.8	96.6	99.9	103.3	106.3	112.4	117.2	119.8	113.1
85°	56.2	61.1	69.0	75.4	79.2	81.8	84.4	86.4	81.8	74.6	78.4
87.5°	14.7	19.2	26.8	29.0	32.8	34.7	34.0	35.0	31.6	23.0	25.6
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°	484.1	484.1	484.1	484.1	484.1	484.1	484.1	484.1
2.5°	486.7	486.3	486.7	486.7	486.7	486.3	486.3	486.3
5°	495.4	495.4	495.8	495.0	495.0	495.4	495.0	494.6
7.5°	510.1	509.7	509.7	509.3	509.7	509.4	509.3	508.9
10°	529.7	528.9	529.3	528.2	528.2	527.8	527.8	527.8
12.5°	550.8	549.6	550.0	548.9	547.0	547.4	547.8	547.4
15°	571.2	570.0	568.9	568.2	567.0	567.4	567.4	567.0
17.5°	591.9	589.6	589.2	588.1	587.8	587.7	587.8	588.1
20°	613.4	611.8	611.5	610.4	610.0	611.2	611.5	610.7
22.5°	636.4	635.6	636.4	635.6	636.8	637.5	637.9	637.1
25°	665.4	664.6	665.8	668.4	670.0	670.6	672.6	671.8
27.5°	702.7	702.0	704.6	708.4	710.6	714.4	716.3	717.0
30°	751.0	754.4	755.9	763.4	764.9	770.9	770.9	773.6
32.5°	821.1	827.5	838.8	850.5	866.7	878.4	878.4	884.4
35°	975.0	977.6	986.2	988.1	991.5	995.2	991.5	994.5
37.5°	1093.0	1081.2	1072.9	1061.2	1054.0	1054.1	1054.8	1054.1
40°	1153.2	1148.7	1144.9	1135.1	1133.6	1133.2	1133.2	1134.8
42.5°	1261.1	1250.1	1244.1	1235.8	1233.2	1232.4	1232.1	1232.8
45°	1401.3	1383.6	1367.4	1359.1	1351.9	1345.1	1347.4	1347.4
47.5°	1564.6	1537.0	1510.6	1496.3	1483.9	1478.2	1474.4	1473.3
50°	1763.2	1724.8	1690.8	1664.0	1646.0	1645.6	1647.5	1635.4
52.5°	2006.8	1946.0	1903.8	1867.6	1850.7	1848.8	1842.8	1836.0
55°	2276.7	2204.6	2135.0	2096.1	2073.9	2061.8	2054.6	2043.3
57.5°	2554.9	2458.0	2357.8	2295.6	2256.4	2229.2	2214.8	2208.4
60°	2769.4	2637.1	2504.8	2404.9	2339.6	2299.3	2274.4	2264.2
62.5°	2853.8	2674.4	2504.8	2373.6	2279.3	2223.5	2190.0	2175.3
65°	2753.2	2540.6	2347.6	2202.8	2097.6	2035.4	1998.8	1983.0
67.5°	2472.0	2284.2	2074.2	1930.2	1822.0	1760.6	1721.0	1709.3
70°	2072.4	1880.5	1679.9	1551.4	1454.9	1404.7	1363.6	1358.7
72.5°	1557.4	1391.8	1219.9	1113.6	1036.0	953.0	931.9	942.5
75°	998.3	843.4	690.2	594.6	523.6	444.5	414.0	421.5
77.5°	472.8	366.0	264.2	204.4	171.5	146.6	140.2	136.5
80°	175.3	142.2	125.6	119.2	114.6	110.4	107.4	104.1
82.5°	113.4	110.8	107.4	106.3	102.9	97.6	87.8	83.7
85°	84.8	84.8	80.3	80.6	78.1	71.2	62.2	57.3
87.5°	24.9	22.2	20.3	18.8	18.5	16.6	12.1	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)