

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P631905

Luminaire Tested: GWS-SA2B-750-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6818.7 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

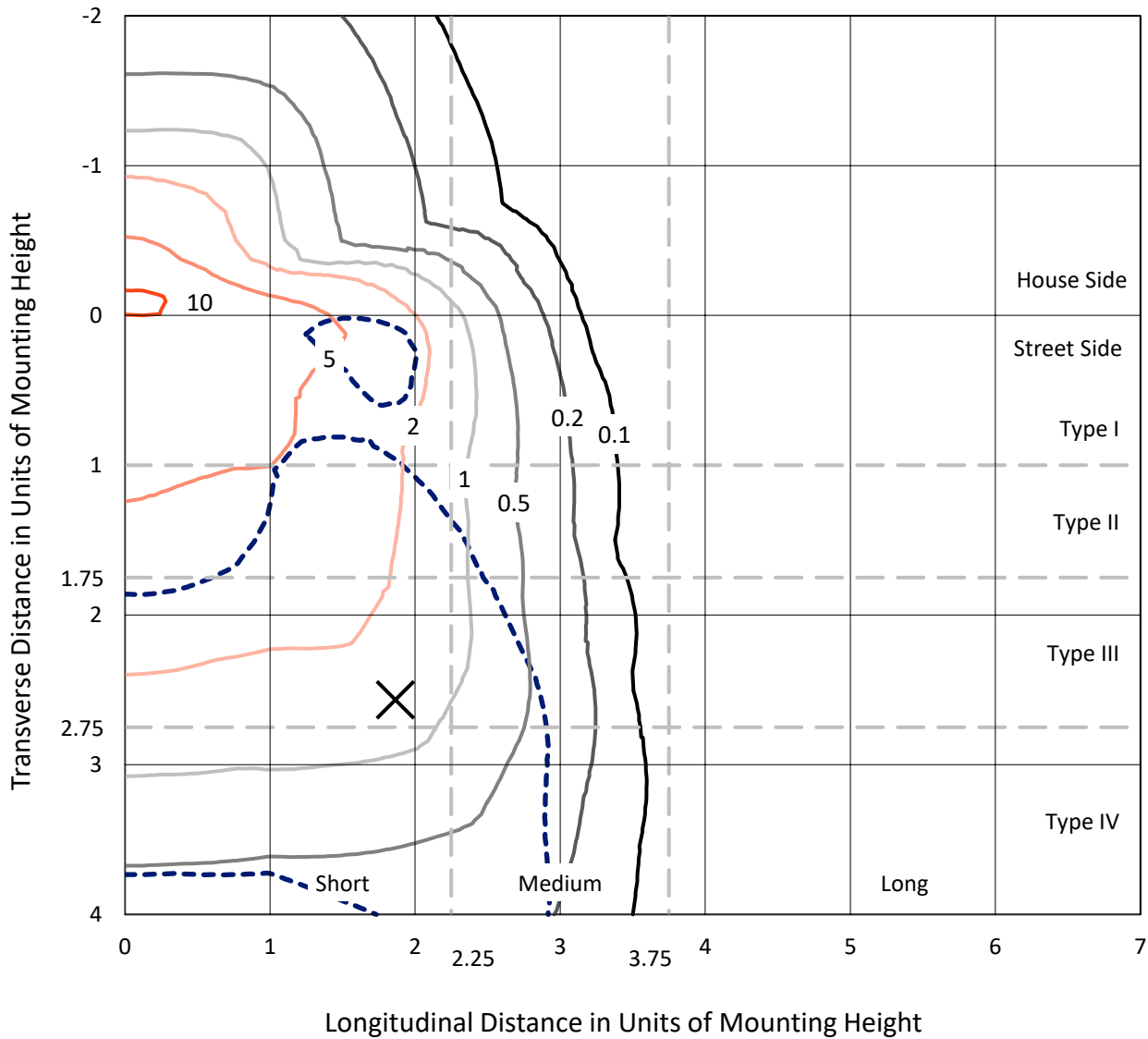
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

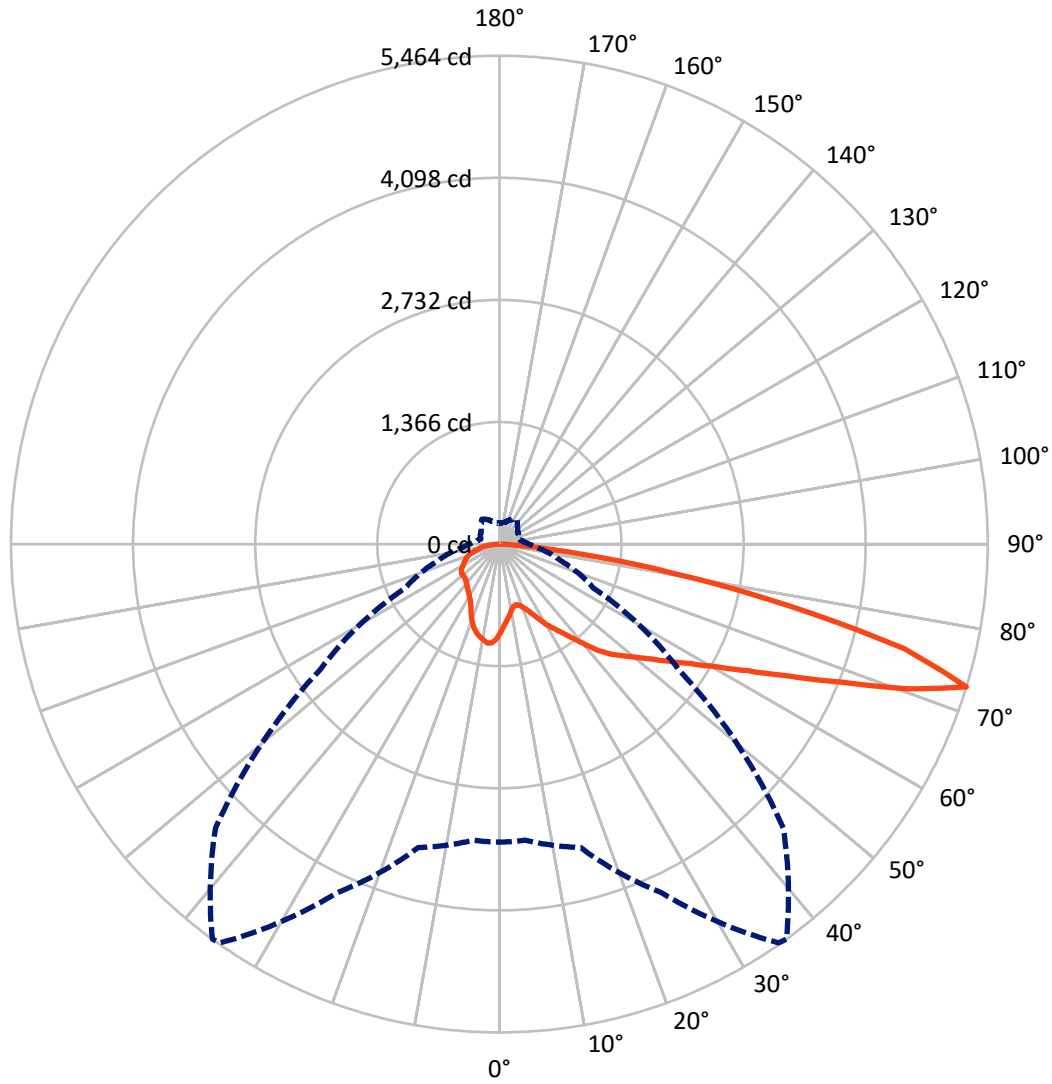
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1572.0	0.0	1572.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5246.7	0.0	5246.7
	% Fixture	76.9	0.0	76.9
Total	Lumens	6818.7	0.0	6818.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	1.4
10°-20°	263.2	3.9
20°-30°	435.9	6.4
30°-40°	652.7	9.6
40°-50°	952.3	14.0
50°-60°	1355.4	19.9
60°-70°	1712.5	25.1
70°-80°	1220.3	17.9
80°-90°	133.2	2.0
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°	6818.7	100.0
0°-180°	6818.7	100.0

Coefficient of Utilization



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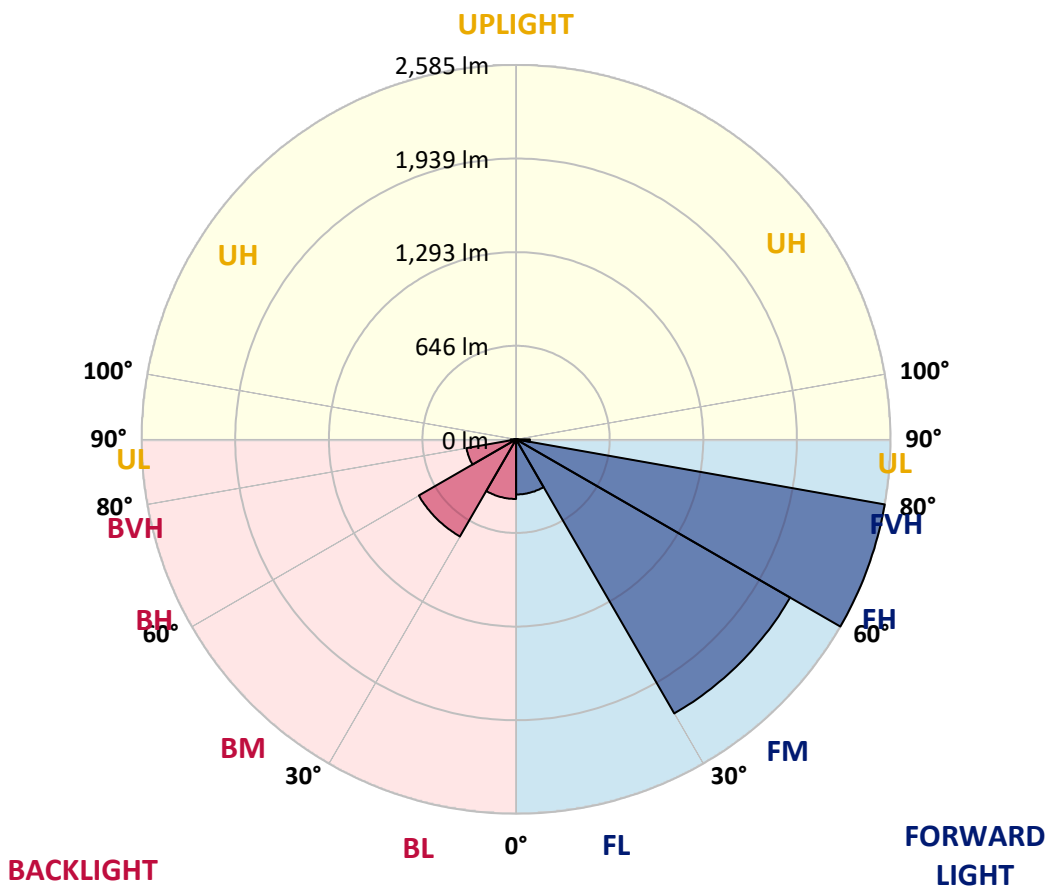
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.7	5.6			
FM (30°-60°)	2185.2	32.0			
FH (60°-80°)	2585.2	37.9			G2/5000
FVH (80°-90°)	95.6	1.4			G1/100
BL (0°-30°)	411.7	6.0	B1/500		
BM (30°-60°)	775.2	11.4	B1/1000		
BH (60°-80°)	347.5	5.1	B1/500		G1/500
BVH (80°-90°)	37.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9
2.5°	910.4	908.9	905.8	915.0	924.1	923.1	935.7	947.8	961.0	974.7	992.9
5°	837.5	836.5	834.0	847.6	861.3	860.8	881.6	901.3	928.1	957.5	993.9
7.5°	764.7	762.1	765.7	782.9	802.1	804.1	832.5	864.9	903.8	947.8	999.5
10°	700.4	699.9	701.4	720.6	749.5	751.5	787.9	833.0	884.6	943.3	1012.1
12.5°	683.7	682.7	678.6	688.2	710.0	713.0	753.0	808.2	871.4	945.8	1029.3
15°	711.0	708.5	694.3	689.8	700.4	702.9	736.8	793.5	863.8	950.4	1051.1
17.5°	758.1	756.6	729.7	711.0	718.1	720.1	745.4	791.0	861.8	959.5	1077.9
20°	826.9	820.3	778.3	750.0	750.0	753.0	768.2	802.1	864.3	970.6	1108.3
22.5°	918.0	904.8	845.6	807.2	797.0	801.1	807.7	829.9	875.0	989.3	1146.2
25°	1020.2	1008.1	937.7	883.6	869.4	870.9	865.4	869.4	898.3	1015.2	1193.3
27.5°	1129.0	1120.9	1046.0	977.2	954.9	954.9	935.2	925.6	930.6	1044.5	1245.9
30°	1226.2	1215.0	1151.8	1076.4	1047.0	1047.0	1009.6	988.8	976.7	1080.4	1316.3
32.5°	1277.3	1270.7	1228.7	1171.0	1135.1	1129.5	1097.1	1072.8	1044.5	1133.6	1411.4
35°	1344.1	1342.6	1317.3	1272.2	1226.7	1218.6	1196.3	1177.1	1128.0	1199.9	1537.9
37.5°	1428.1	1425.6	1421.5	1394.7	1340.0	1338.5	1318.8	1295.5	1231.7	1295.5	1691.2
40°	1522.2	1517.7	1512.6	1512.1	1479.2	1473.6	1472.1	1445.8	1356.7	1410.9	1851.2
42.5°	1651.8	1636.1	1588.5	1609.8	1634.1	1629.0	1648.2	1608.8	1512.6	1548.0	2002.5
45°	1811.2	1772.7	1678.6	1684.7	1745.9	1756.0	1822.8	1813.2	1684.2	1706.4	2161.9
47.5°	1906.8	1873.4	1785.9	1780.8	1857.2	1869.9	2015.1	2033.3	1868.9	1897.2	2358.7
50°	1985.3	1962.0	1890.1	1897.2	1978.2	1990.8	2205.9	2244.9	2043.0	2092.6	2587.5
52.5°	2079.9	2046.5	1990.8	2024.2	2123.4	2138.6	2417.9	2460.0	2199.8	2307.1	2824.3
55°	2133.0	2119.4	2120.4	2171.5	2296.0	2316.7	2640.1	2633.0	2343.6	2490.8	3002.4
57.5°	2255.5	2250.4	2297.0	2316.2	2497.4	2524.2	2862.3	2801.5	2474.1	2633.0	3088.0
60°	2471.6	2458.9	2499.4	2528.8	2746.4	2784.3	3110.2	2966.5	2562.7	2738.8	3059.1
62.5°	2775.2	2759.5	2761.1	2807.6	3079.9	3119.9	3386.0	3104.2	2590.0	2755.0	2876.4
65°	3152.7	3130.0	3104.2	3167.4	3522.7	3556.1	3686.1	3204.4	2524.7	2599.1	2494.9
67.5°	3551.0	3532.3	3501.9	3634.5	4096.0	4116.3	4022.7	3195.8	2317.7	2182.1	1750.0
70°	3574.3	3578.8	3722.6	4202.3	4844.5	4849.6	4341.0	3022.7	1877.0	1414.4	871.9
72.5°	3334.4	3326.8	3514.1	4306.1	5446.7	5463.9	4491.3	2448.8	1159.9	705.4	408.9
75°	2708.4	2721.6	2918.4	3767.6	4668.4	4683.6	3661.3	1443.8	551.1	345.1	261.6
77.5°	1166.0	1239.3	1627.5	2654.3	3343.5	3296.5	1887.1	585.0	294.0	245.9	200.4
80°	336.5	365.4	579.9	1262.1	2003.5	1968.1	746.9	219.1	205.0	184.7	143.7
82.5°	108.8	120.4	212.5	502.5	897.7	896.7	283.4	129.6	134.1	125.5	92.6
85°	30.4	34.9	65.3	152.3	277.8	272.3	82.0	61.2	71.4	72.4	46.1
87.5°	0.0	0.0	0.5	1.0	1.0	1.0	2.0	9.1	20.7	26.3	18.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9	997.9
2.5°	1004.0	1002.5	1023.3	1039.4	1054.6	1064.7	1067.8	1069.8	1073.9	1075.9	1073.9
5°	1011.1	1018.7	1053.1	1078.4	1098.7	1110.8	1111.3	1110.3	1113.3	1110.8	1109.3
7.5°	1026.3	1041.0	1084.5	1111.3	1124.5	1125.0	1112.8	1098.7	1091.6	1085.5	1083.5
10°	1046.5	1068.3	1115.9	1133.6	1129.5	1110.8	1084.0	1061.7	1049.1	1040.0	1037.9
12.5°	1074.4	1098.7	1143.7	1143.2	1117.9	1084.5	1053.1	1026.3	1008.1	997.4	993.9
15°	1100.7	1131.5	1163.9	1140.1	1100.2	1059.7	1019.2	983.3	959.0	942.3	939.2
17.5°	1133.1	1166.0	1178.6	1130.5	1077.9	1025.8	971.6	924.6	891.7	871.9	870.4
20°	1170.5	1199.9	1185.7	1113.8	1049.1	980.7	907.4	854.7	819.3	800.1	801.6
22.5°	1214.0	1235.3	1187.7	1091.1	1009.1	917.0	835.0	784.4	760.6	750.5	751.0
25°	1260.6	1274.3	1184.2	1060.2	947.8	839.0	760.6	737.3	735.3	732.8	733.8
27.5°	1315.8	1312.7	1173.5	1016.7	865.4	748.5	708.5	714.6	722.7	721.6	722.7
30°	1389.6	1360.8	1159.9	956.5	767.2	672.6	677.6	694.8	705.4	706.5	709.5
32.5°	1474.1	1413.9	1138.1	874.5	673.6	630.0	648.8	669.5	682.2	684.7	688.7
35°	1574.9	1474.7	1099.7	772.2	606.3	604.7	621.9	636.1	649.8	650.8	650.8
37.5°	1690.7	1535.4	1038.4	659.4	564.8	583.0	599.2	602.2	605.8	602.7	604.2
40°	1797.0	1594.1	951.4	556.7	530.9	563.7	577.4	567.3	556.2	548.6	550.1
42.5°	1886.1	1634.1	836.0	484.8	496.4	546.5	557.2	536.4	514.7	500.5	502.5
45°	1986.3	1671.0	700.4	436.2	467.1	534.4	541.5	514.7	486.8	465.6	462.5
47.5°	2124.4	1746.4	579.9	402.3	446.3	527.8	539.5	503.0	466.6	434.7	431.2
50°	2295.0	1853.2	479.2	380.0	436.7	524.3	539.0	490.4	446.8	409.4	406.9
52.5°	2481.2	1957.4	404.8	362.8	427.1	513.6	536.4	476.2	426.1	385.6	382.6
55°	2605.2	1998.4	354.7	346.7	411.4	496.9	526.3	462.5	394.7	357.8	353.2
57.5°	2641.6	1945.8	319.8	332.0	391.2	473.7	507.1	433.7	375.5	346.1	342.6
60°	2578.9	1813.2	298.1	319.8	368.9	443.8	473.7	417.0	360.3	334.0	331.5
62.5°	2401.8	1608.8	281.4	307.2	346.1	412.4	452.4	396.7	343.6	322.9	319.3
65°	2045.5	1319.3	267.7	294.0	324.4	382.6	429.1	376.5	325.4	309.7	305.7
67.5°	1430.6	926.6	253.0	278.3	302.6	353.7	404.8	357.8	306.7	295.0	291.0
70°	699.4	491.4	235.3	260.1	279.3	324.4	380.6	335.0	281.9	275.3	269.7
72.5°	333.0	274.8	214.6	235.3	247.5	285.4	340.1	302.1	252.5	238.4	228.7
75°	223.2	195.3	187.2	206.0	209.0	239.4	291.5	260.6	222.7	206.5	198.4
77.5°	169.0	149.3	157.4	174.1	168.0	196.9	239.9	232.3	200.9	186.2	182.2
80°	118.9	108.8	125.0	135.1	130.6	167.5	216.1	198.9	165.5	149.3	146.3
82.5°	74.9	72.9	92.1	93.6	95.1	132.6	177.6	156.4	128.5	105.8	98.2
85°	37.4	41.5	55.2	55.2	54.7	68.3	101.2	88.1	69.3	55.2	53.6
87.5°	12.7	17.7	23.8	19.2	14.7	11.6	13.2	16.2	17.2	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)