

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: P631889

Luminaire Tested: GWS-SA2B-750-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5885.5 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

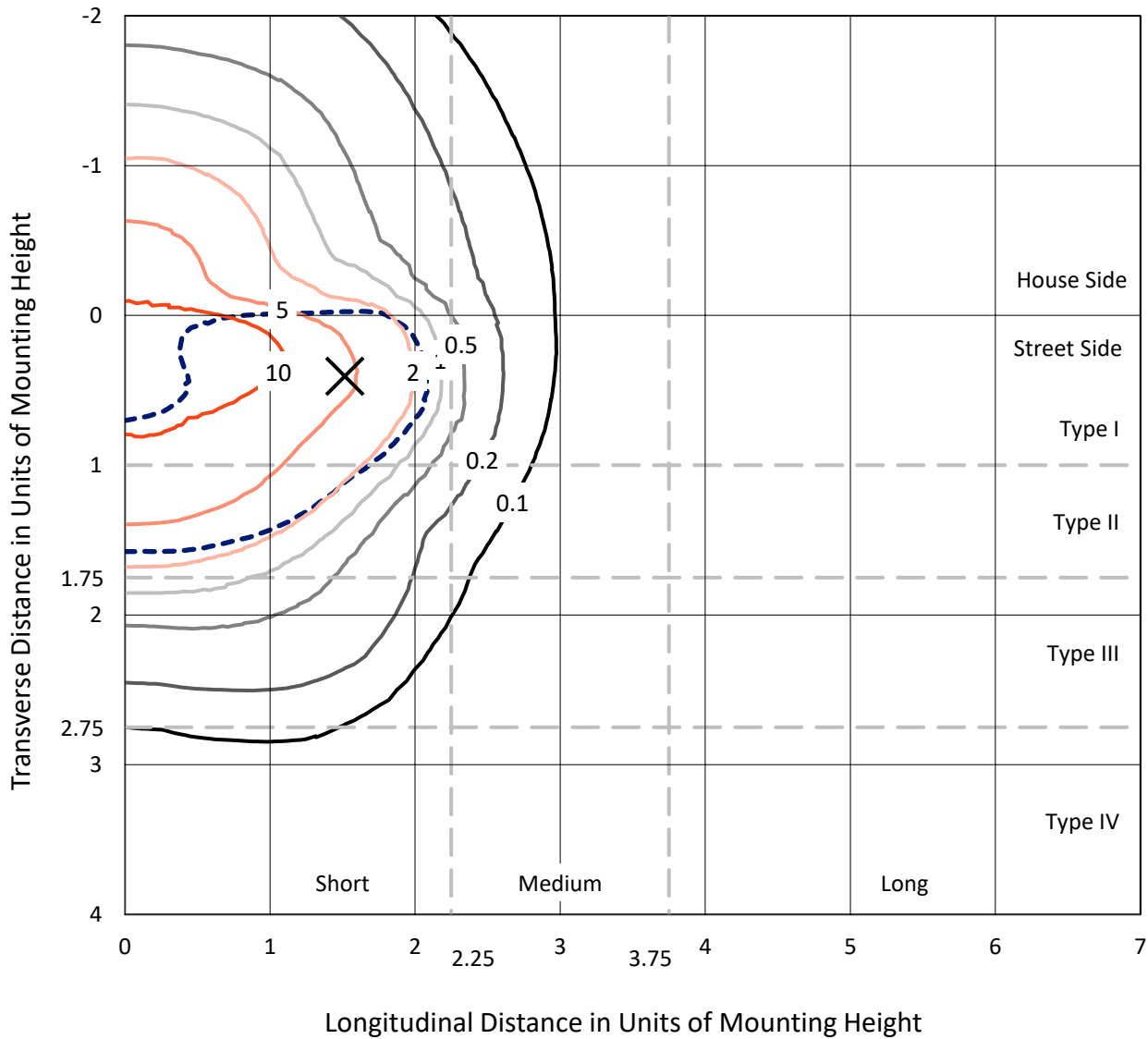
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

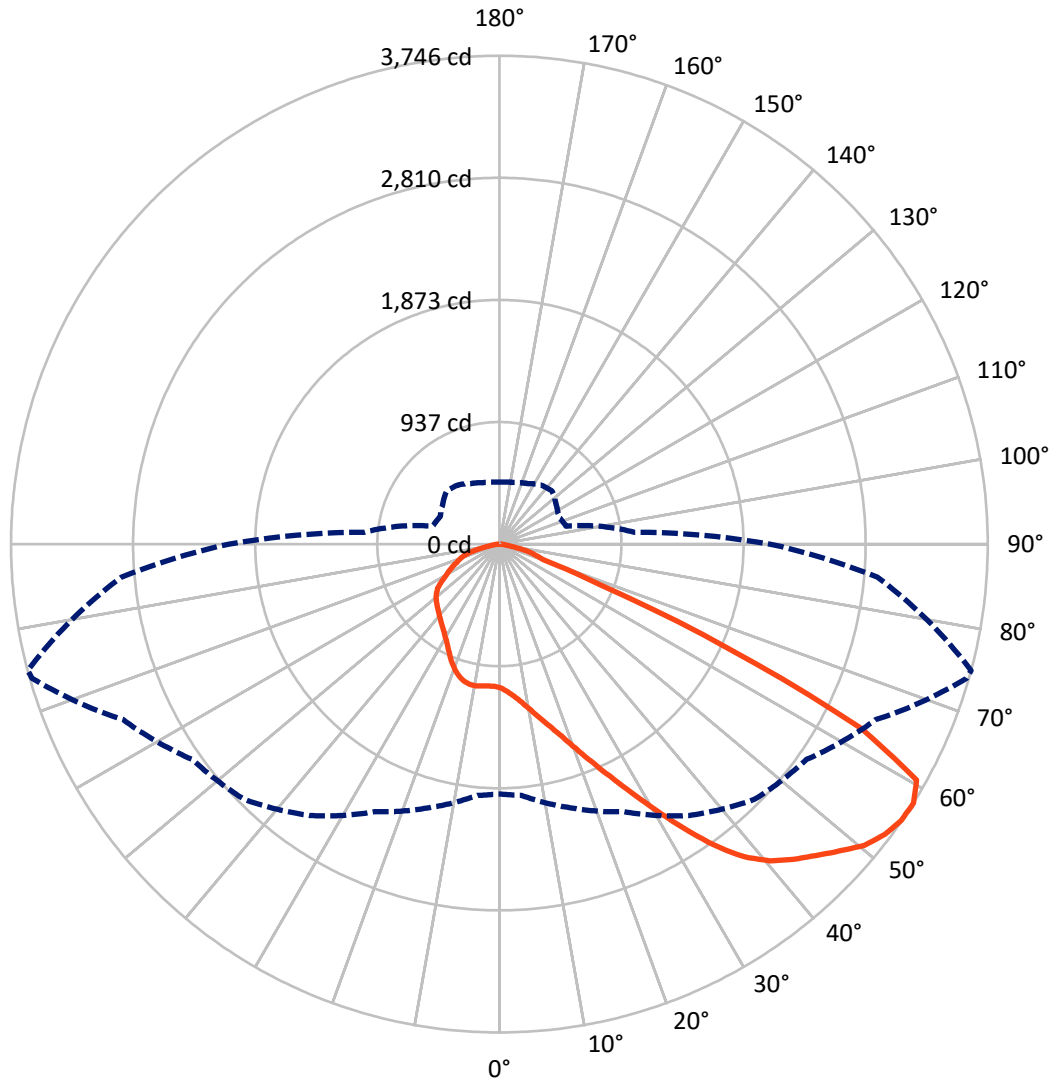
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1592.1	0.0	1592.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4293.4	0.0	4293.4
	% Fixture	72.9	0.0	72.9
Total	Lumens	5885.5	0.0	5885.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	1.9
10°-20°	351.2	6.0
20°-30°	622.8	10.6
30°-40°	953.4	16.2
40°-50°	1327.5	22.6
50°-60°	1521.1	25.8
60°-70°	781.5	13.3
70°-80°	196.8	3.3
80°-90°	21.0	0.4
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°	5885.5	100.0
0°-180°	5885.5	100.0

Coefficient of Utilization



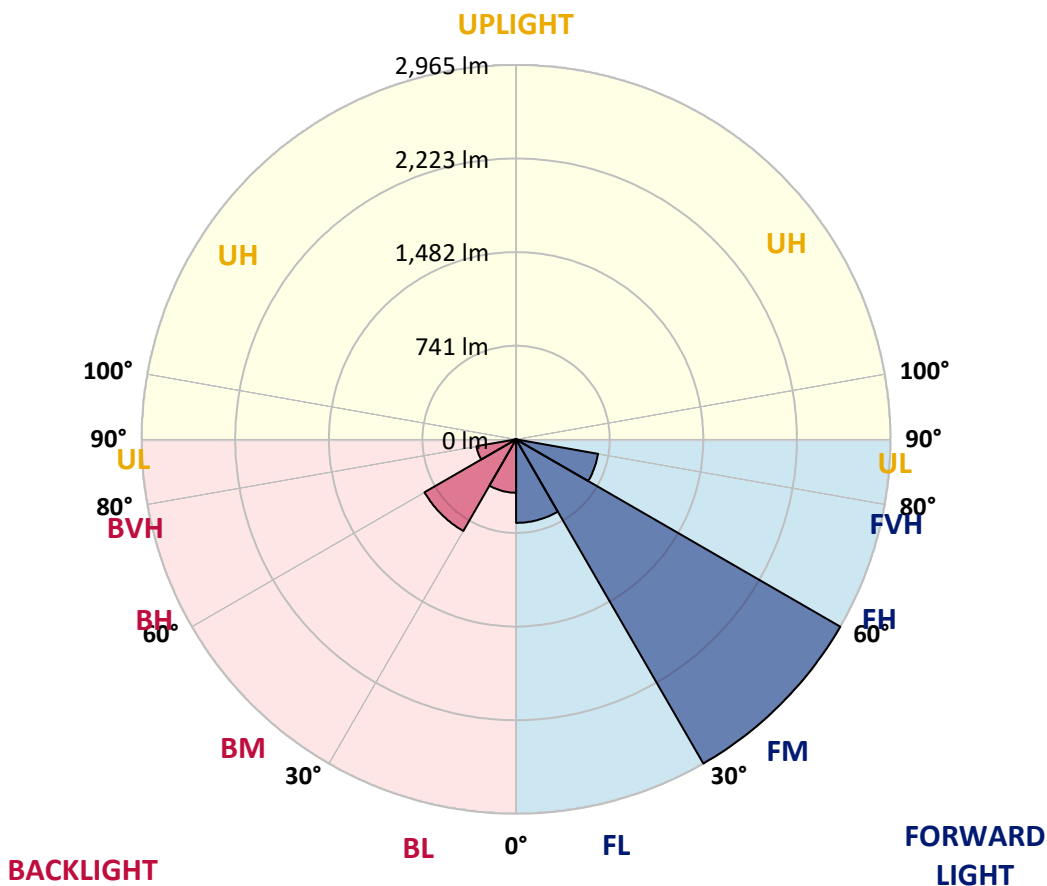
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.3	11.2			
FM (30°-60°)	2964.6	50.4			
FH (60°-80°)	659.7	11.2			G0/660
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	423.0	7.2	B1/500		
BM (30°-60°)	837.3	14.2	B1/1000		
BH (60°-80°)	318.6	5.4	B1/500		G1/500
BVH (80°-90°)	13.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2
2.5°	1184.2	1187.2	1184.2	1189.3	1179.1	1174.6	1163.4	1146.7	1133.6	1131.6	1116.9
5°	1276.3	1282.9	1278.8	1276.8	1263.1	1253.0	1236.3	1202.9	1175.6	1171.5	1142.7
7.5°	1335.5	1340.1	1340.1	1341.6	1336.5	1324.9	1307.2	1267.7	1229.2	1223.2	1179.6
10°	1355.2	1358.8	1365.4	1378.0	1388.1	1391.7	1380.0	1342.1	1295.0	1289.0	1228.2
12.5°	1359.8	1363.8	1374.0	1397.2	1425.1	1450.4	1452.4	1424.6	1371.9	1365.4	1284.4
15°	1368.4	1372.5	1386.1	1415.0	1456.0	1504.5	1534.4	1515.2	1457.0	1449.9	1348.2
17.5°	1367.4	1371.9	1392.2	1430.7	1485.8	1556.2	1613.8	1621.9	1561.7	1549.6	1420.5
20°	1364.9	1368.9	1390.7	1437.7	1506.1	1602.7	1707.0	1749.0	1684.2	1673.1	1505.0
22.5°	1385.1	1389.7	1406.4	1445.3	1516.7	1638.6	1793.0	1894.2	1829.4	1813.7	1602.2
25°	1430.7	1437.2	1447.4	1474.2	1535.9	1670.5	1881.0	2058.7	1992.4	1973.7	1708.0
27.5°	1501.0	1509.1	1523.3	1535.9	1578.9	1711.0	1968.6	2242.9	2176.6	2156.9	1819.8
30°	1587.0	1597.7	1615.9	1624.5	1653.8	1770.7	2063.7	2432.7	2394.2	2366.9	1945.8
32.5°	1706.0	1720.6	1737.8	1740.4	1758.1	1861.3	2157.9	2620.9	2620.4	2601.2	2089.0
35°	1860.8	1876.5	1880.0	1883.6	1892.2	1985.8	2271.7	2792.5	2858.8	2836.5	2244.9
37.5°	2029.8	2052.6	2058.2	2042.5	2054.6	2135.6	2399.8	2930.1	3066.3	3042.5	2395.7
40°	2210.5	2219.6	2234.8	2210.0	2225.2	2307.2	2525.3	3018.2	3221.1	3195.8	2514.6
42.5°	2340.1	2356.8	2379.5	2370.4	2379.0	2453.9	2613.3	3060.7	3331.4	3306.1	2600.2
45°	2480.7	2485.8	2500.5	2498.5	2503.5	2573.3	2676.6	3079.4	3430.1	3407.3	2673.0
47.5°	2603.2	2610.8	2620.4	2609.3	2598.1	2643.7	2728.2	3095.6	3544.0	3516.7	2749.5
50°	2721.1	2727.7	2739.3	2706.9	2665.5	2677.1	2753.5	3117.9	3650.8	3631.5	2809.7
52.5°	2742.9	2750.0	2804.6	2811.2	2758.1	2717.1	2798.0	3167.0	3713.5	3701.4	2831.4
55°	2469.1	2481.8	2590.6	2715.6	2846.6	2833.5	2869.4	3192.8	3738.3	3741.3	2870.4
57.5°	1916.5	1934.7	2093.6	2265.2	2541.0	2769.2	2878.5	3186.2	3729.7	3746.4	2910.4
60°	1257.1	1267.7	1456.0	1648.3	1934.2	2250.0	2576.4	3067.8	3653.3	3677.1	2900.3
62.5°	759.1	771.2	922.6	1068.3	1236.8	1447.9	1747.4	2465.6	3062.2	3115.3	2322.8
65°	529.9	546.0	678.6	798.6	856.8	813.2	885.1	1377.0	1907.9	1930.1	1419.5
67.5°	384.1	395.2	504.0	646.8	711.0	574.4	437.7	609.8	831.0	839.1	585.5
70°	251.5	264.2	362.8	492.4	580.5	465.6	327.4	330.0	349.7	353.7	340.1
72.5°	138.2	145.7	224.2	326.9	343.1	278.3	255.6	274.3	288.0	288.0	291.5
75°	71.4	77.9	91.6	107.8	130.1	152.3	184.2	212.0	226.7	227.7	226.2
77.5°	36.4	39.0	49.1	53.1	58.2	67.8	88.1	112.9	126.0	131.1	130.1
80°	17.2	18.2	20.7	24.3	29.9	38.0	47.6	56.7	64.8	65.8	71.4
82.5°	9.1	10.1	11.1	13.2	16.2	20.2	27.8	33.4	38.5	39.5	44.0
85°	3.5	4.0	4.6	5.1	7.1	8.6	11.6	15.7	19.2	19.2	22.8
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.5	3.5	3.5	6.1
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°	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2	1102.2
2.5°	1113.3	1098.7	1092.1	1081.5	1072.9	1063.2	1055.7	1050.1	1046.5	1044.5	1042.5
5°	1131.6	1109.3	1091.6	1070.3	1055.7	1041.5	1029.8	1021.7	1017.7	1014.7	1012.6
7.5°	1159.9	1130.0	1096.6	1063.8	1037.9	1015.2	1000.5	991.9	986.3	984.3	982.8
10°	1198.9	1157.4	1102.2	1050.1	1011.6	986.8	976.7	972.7	973.2	972.2	971.6
12.5°	1242.9	1186.2	1100.7	1025.8	983.3	968.6	969.1	975.7	983.3	985.3	985.8
15°	1290.5	1214.6	1086.0	994.4	961.0	962.5	975.7	991.4	1005.6	1011.1	1012.1
17.5°	1342.1	1238.3	1059.2	960.0	942.8	959.0	983.3	1009.1	1029.8	1039.0	1041.5
20°	1399.8	1258.6	1021.2	926.1	925.6	952.4	987.8	1021.7	1048.1	1060.2	1062.2
22.5°	1461.0	1271.2	974.7	894.7	907.9	943.8	984.3	1019.7	1047.6	1059.7	1062.2
25°	1522.8	1275.3	923.6	865.9	889.7	930.2	967.1	995.4	1021.7	1032.4	1034.4
27.5°	1580.4	1263.6	875.0	841.1	873.0	909.9	934.7	949.9	968.1	976.2	977.7
30°	1639.1	1240.4	834.0	821.3	854.2	882.1	893.2	894.2	901.3	901.3	902.3
32.5°	1698.4	1206.0	798.1	802.1	831.0	849.2	850.7	839.1	830.5	816.3	815.8
35°	1766.7	1171.0	768.7	780.4	803.6	814.8	810.2	787.9	767.2	743.9	742.9
37.5°	1829.9	1135.1	743.9	758.1	772.8	780.9	770.2	743.4	726.2	702.4	698.9
40°	1882.1	1102.7	720.1	734.8	741.9	749.0	731.8	710.0	712.5	699.4	698.9
42.5°	1912.4	1071.3	697.9	709.0	713.6	718.6	703.4	687.2	700.9	690.8	691.3
45°	1934.7	1044.0	677.6	681.7	692.8	700.4	686.2	668.0	671.0	632.1	623.0
47.5°	1960.0	1028.8	658.4	654.3	674.1	687.2	665.5	639.2	620.9	582.5	578.9
50°	1986.8	1023.3	638.1	627.0	650.8	663.5	638.1	605.3	581.5	560.7	558.7
52.5°	1995.9	1022.8	612.8	594.1	617.9	635.6	614.4	581.0	552.6	532.4	531.4
55°	2031.9	1037.4	580.5	549.1	571.3	607.8	592.1	544.0	521.2	512.1	511.1
57.5°	2073.9	1040.0	529.3	500.0	530.9	573.9	554.1	512.6	487.8	476.7	475.7
60°	2056.7	977.7	474.7	462.5	496.5	542.0	523.8	487.8	459.0	448.4	447.4
62.5°	1567.3	690.3	434.7	430.2	459.5	495.9	492.4	455.0	427.6	420.0	419.0
65°	942.8	484.8	396.3	395.7	416.5	451.4	456.0	425.6	396.8	386.1	386.1
67.5°	466.1	370.9	352.7	350.2	363.4	388.2	407.4	382.6	358.3	348.2	346.7
70°	329.4	326.9	320.8	313.8	316.3	326.4	334.5	313.8	288.0	277.8	275.8
72.5°	284.9	285.4	281.4	275.8	273.8	266.7	259.6	244.4	228.7	218.1	219.1
75°	221.2	222.2	224.7	222.7	217.1	209.5	201.9	182.7	170.0	159.9	157.9
77.5°	129.0	134.1	142.2	140.2	141.2	130.6	127.5	108.8	97.2	90.1	88.6
80°	72.9	75.9	79.5	82.0	78.9	74.4	67.8	57.7	54.1	49.1	48.1
82.5°	44.0	47.1	48.6	50.6	49.6	43.5	38.5	31.9	28.8	26.3	25.8
85°	22.3	24.3	25.8	26.8	23.8	19.7	17.7	14.2	12.1	10.6	10.6
87.5°	5.6	6.1	7.1	6.1	5.6	2.5	2.0	0.5	0.0	0.0	0.0
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)