

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: P631795

Luminaire Tested: GWS-SA2B-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631795
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-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6574.6 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

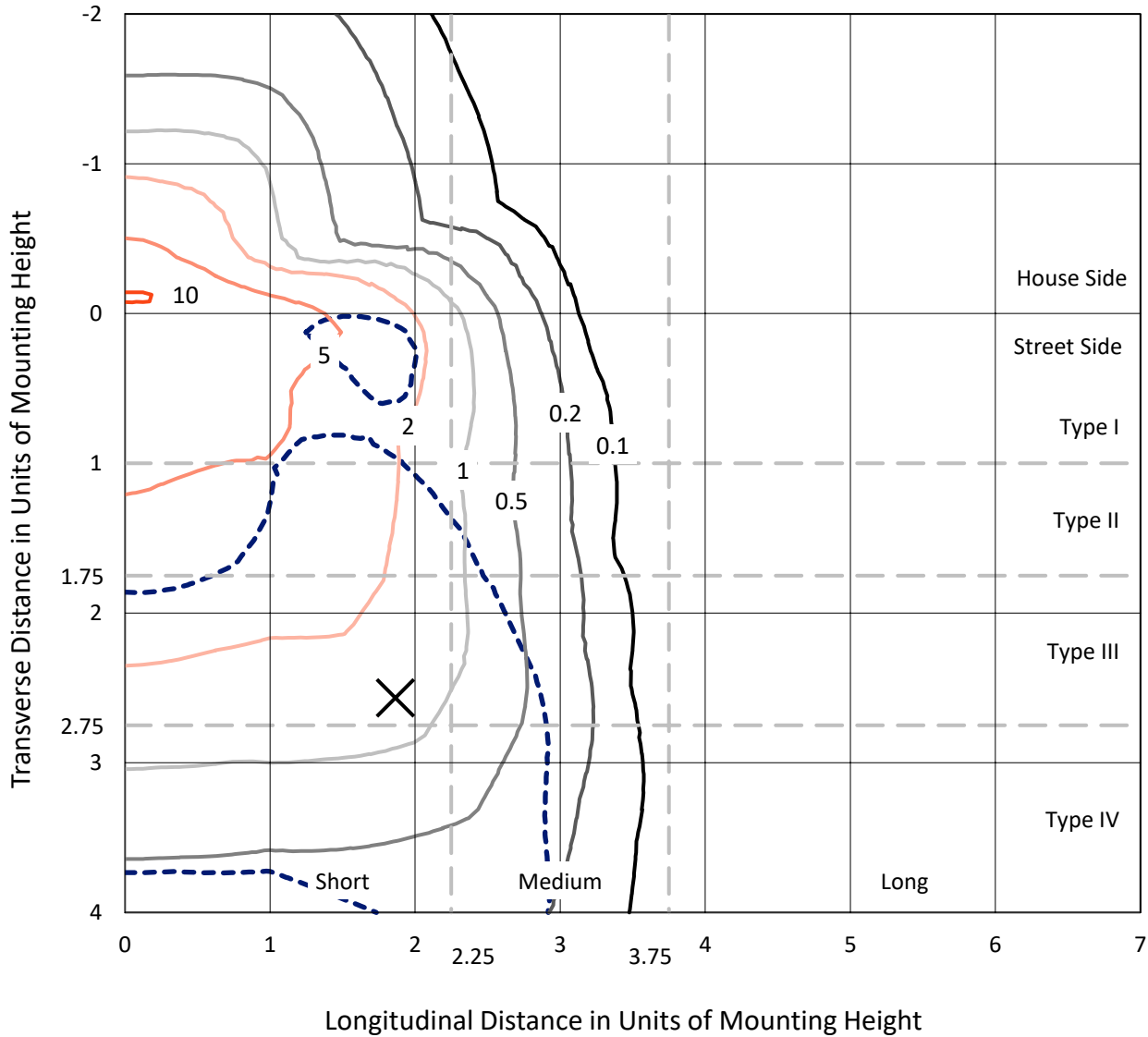
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631795
 CATALOG NUMBER: GWS-SA2B-735-U-T4FT-W

Iso-Footcandle Lines of Horizontal Illumination

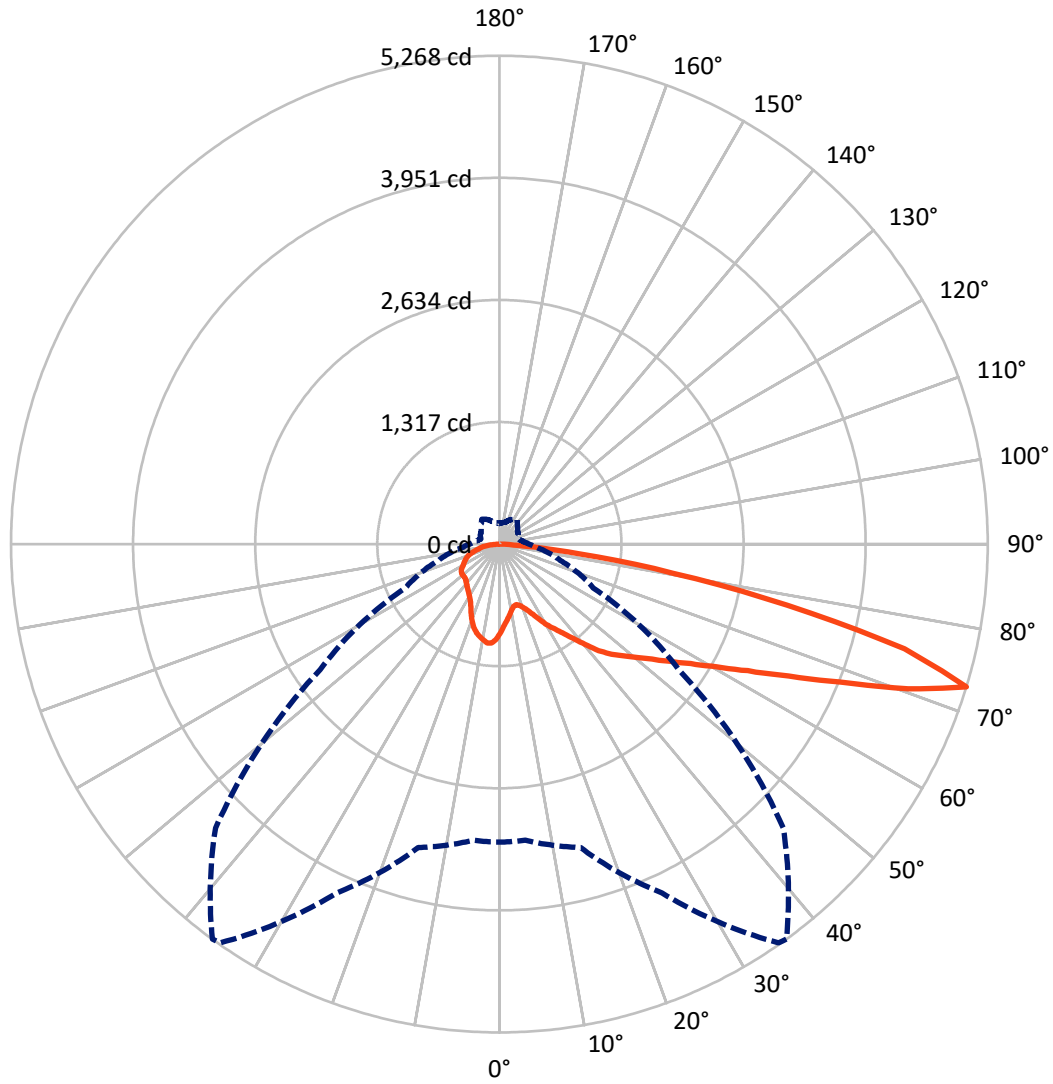
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P631795
CATALOG NUMBER: GWS-SA2B-735-U-T4FT-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631795

CATALOG NUMBER: GWS-SA2B-735-U-T4FT-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1515.7	0.0	1515.7
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	5058.9	0.0	5058.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	6574.6	0.0	6574.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.4
10°-20°	253.8	3.9
20°-30°	420.3	6.4
30°-40°	629.4	9.6
40°-50°	918.2	14.0
50°-60°	1306.9	19.9
60°-70°	1651.2	25.1
70°-80°	1176.6	17.9
80°-90°	128.4	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°	6574.6	100.0
0°-180°	6574.6	100.0

Coefficient of Utilization



REPORT NUMBER: P631795

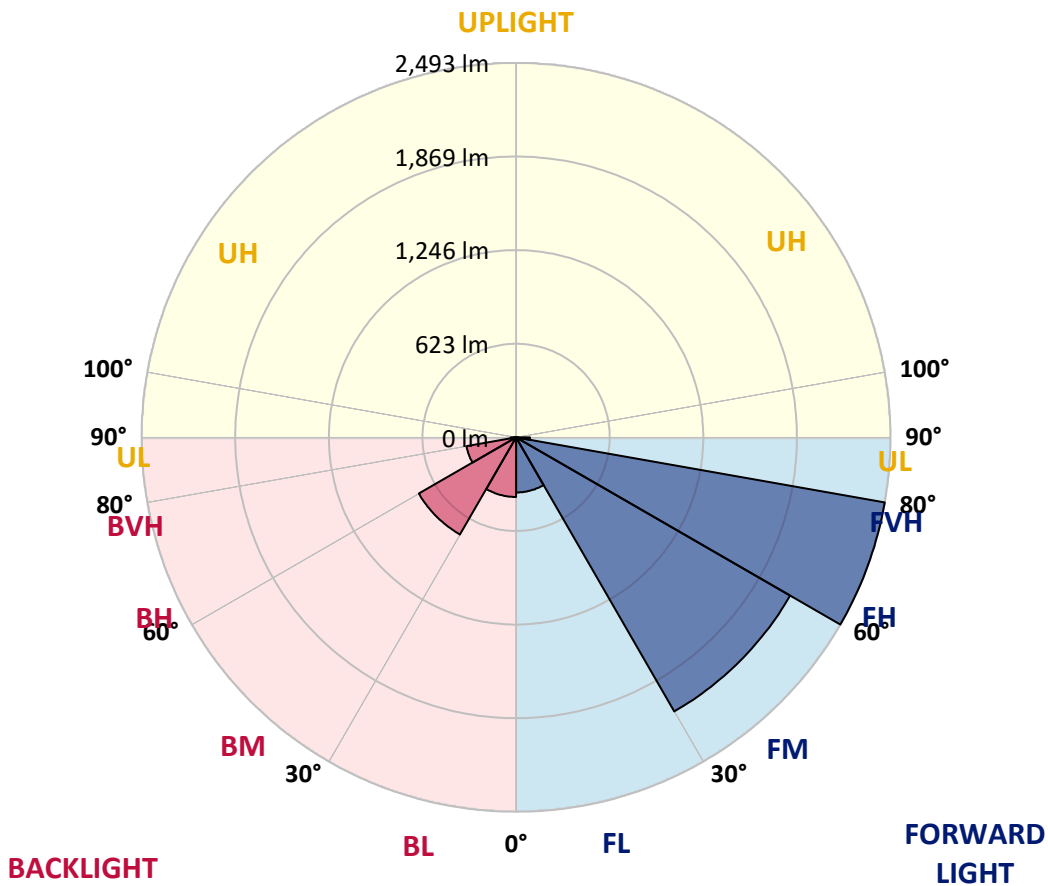
CATALOG NUMBER: GWS-SA2B-735-U-T4FT-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.0	5.6			
FM (30°-60°)	2107.0	32.0			
FH (60°-80°)	2492.7	37.9			G2/5000
FVH (80°-90°)	92.2	1.4			G1/100
BL (0°-30°)	396.9	6.0	B1/500		
BM (30°-60°)	747.5	11.4	B1/1000		
BH (60°-80°)	335.1	5.1	B1/500		G1/500
BVH (80°-90°)	36.3	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





REPORT NUMBER: P631795

CATALOG NUMBER: GWS-SA2B-735-U-T4FT-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	877.8	876.3	873.4	882.2	891.0	890.0	902.2	913.9	926.6	939.8	957.3
5°	807.5	806.6	804.1	817.3	830.5	830.0	850.0	869.0	894.9	923.2	958.3
7.5°	737.3	734.8	738.3	754.8	773.4	775.3	802.7	833.9	871.5	913.9	963.7
10°	675.3	674.8	676.3	694.8	722.6	724.6	759.7	803.2	852.9	909.5	975.9
12.5°	659.2	658.2	654.3	663.6	684.6	687.5	726.1	779.2	840.2	912.0	992.5
15°	685.6	683.1	669.5	665.1	675.3	677.8	710.4	765.1	832.9	916.4	1013.5
17.5°	730.9	729.5	703.6	685.6	692.4	694.3	718.7	762.7	831.0	925.1	1039.3
20°	797.3	791.0	750.5	723.1	723.1	726.1	740.7	773.4	833.4	935.9	1068.6
22.5°	885.1	872.4	815.4	778.3	768.5	772.4	778.8	800.2	843.7	953.9	1105.2
25°	983.7	972.0	904.2	851.9	838.3	839.7	834.4	838.3	866.1	978.8	1150.6
27.5°	1088.6	1080.8	1008.6	942.2	920.7	920.7	901.7	892.4	897.3	1007.1	1201.3
30°	1182.3	1171.5	1110.6	1037.9	1009.6	1009.6	973.4	953.4	941.7	1041.8	1269.1
32.5°	1231.6	1225.2	1184.7	1129.1	1094.5	1089.1	1057.9	1034.4	1007.1	1093.0	1360.9
35°	1296.0	1294.5	1270.1	1226.7	1182.8	1175.0	1153.5	1135.0	1087.6	1156.9	1482.9
37.5°	1377.0	1374.5	1370.6	1344.8	1292.1	1290.6	1271.6	1249.1	1187.7	1249.1	1630.7
40°	1467.7	1463.3	1458.5	1458.0	1426.3	1420.9	1419.4	1394.1	1308.2	1360.4	1784.9
42.5°	1592.6	1577.5	1531.7	1552.1	1575.6	1570.7	1589.2	1551.2	1458.5	1492.6	1930.8
45°	1746.3	1709.3	1618.5	1624.4	1683.4	1693.2	1757.6	1748.3	1623.9	1645.3	2084.5
47.5°	1838.6	1806.4	1721.9	1717.1	1790.7	1802.9	1943.0	1960.6	1802.0	1829.3	2274.3
50°	1914.2	1891.8	1822.5	1829.3	1907.4	1919.6	2126.9	2164.5	1969.8	2017.6	2494.8
52.5°	2005.4	1973.2	1919.6	1951.8	2047.4	2062.0	2331.4	2371.9	2121.1	2224.5	2723.2
55°	2056.7	2043.5	2044.5	2093.8	2213.8	2233.8	2545.6	2538.8	2259.7	2401.7	2895.0
57.5°	2174.8	2169.9	2214.8	2233.3	2408.0	2433.9	2759.8	2701.2	2385.5	2538.8	2977.4
60°	2383.1	2370.9	2409.9	2438.2	2648.1	2684.7	2998.9	2860.3	2470.9	2640.7	2949.6
62.5°	2675.9	2660.7	2662.2	2707.1	2969.6	3008.2	3264.8	2993.0	2497.3	2656.4	2773.5
65°	3039.9	3017.9	2993.0	3054.0	3396.6	3428.8	3554.2	3089.7	2434.3	2506.1	2405.6
67.5°	3423.9	3405.8	3376.6	3504.4	3949.4	3968.9	3878.7	3081.4	2234.8	2104.0	1687.3
70°	3446.3	3450.7	3589.3	4051.9	4671.1	4676.0	4185.6	2914.5	1809.8	1363.8	840.7
72.5°	3215.1	3207.7	3388.3	4151.9	5251.7	5268.3	4330.5	2361.2	1118.4	680.2	394.3
75°	2611.5	2624.2	2814.0	3632.7	4501.3	4515.9	3530.3	1392.1	531.4	332.8	252.3
77.5°	1124.2	1195.0	1569.2	2559.3	3223.8	3178.5	1819.5	564.1	283.5	237.1	193.2
80°	324.5	352.3	559.2	1216.9	1931.8	1897.6	720.2	211.3	197.6	178.1	138.6
82.5°	104.9	116.1	204.9	484.5	865.6	864.6	273.2	124.9	129.3	121.0	89.3
85°	29.3	33.7	62.9	146.9	267.9	262.5	79.0	59.0	68.8	69.8	44.4
87.5°	0.0	0.0	0.5	1.0	1.0	1.0	2.0	8.8	20.0	25.4	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631795
 CATALOG NUMBER: GWS-SA2B-735-U-T4FT-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2	962.2
2.5°	968.1	966.6	986.6	1002.2	1016.9	1026.6	1029.6	1031.5	1035.4	1037.4	1035.4
5°	974.9	982.2	1015.4	1039.8	1059.3	1071.0	1071.5	1070.5	1073.5	1071.0	1069.6
7.5°	989.5	1003.7	1045.7	1071.5	1084.2	1084.7	1073.0	1059.3	1052.5	1046.6	1044.7
10°	1009.1	1030.0	1075.9	1093.0	1089.1	1071.0	1045.2	1023.7	1011.5	1002.7	1000.8
12.5°	1035.9	1059.3	1102.7	1102.3	1077.9	1045.7	1015.4	989.5	972.0	961.7	958.3
15°	1061.3	1091.0	1122.3	1099.3	1060.8	1021.8	982.7	948.1	924.7	908.5	905.6
17.5°	1092.5	1124.2	1136.4	1090.1	1039.3	989.1	936.8	891.5	859.8	840.7	839.3
20°	1128.6	1156.9	1143.2	1074.0	1011.5	945.6	874.9	824.1	790.0	771.4	772.9
22.5°	1170.6	1191.1	1145.2	1052.0	973.0	884.2	805.1	756.3	733.4	723.6	724.1
25°	1215.5	1228.6	1141.8	1022.2	913.9	809.0	733.4	710.9	709.0	706.5	707.5
27.5°	1268.6	1265.7	1131.5	980.3	834.4	721.7	683.1	689.0	696.8	695.8	696.8
30°	1339.9	1312.1	1118.4	922.2	739.7	648.5	653.4	669.9	680.2	681.2	684.1
32.5°	1421.4	1363.3	1097.4	843.2	649.5	607.5	625.5	645.5	657.7	660.2	664.1
35°	1518.5	1421.9	1060.3	744.6	584.6	583.1	599.7	613.3	626.5	627.5	627.5
37.5°	1630.2	1480.4	1001.3	635.8	544.5	562.1	577.7	580.7	584.1	581.1	582.6
40°	1732.7	1537.0	917.3	536.7	511.9	543.6	556.7	547.0	536.2	528.9	530.4
42.5°	1818.6	1575.6	806.1	467.4	478.7	527.0	537.2	517.2	496.2	482.6	484.5
45°	1915.2	1611.2	675.3	420.6	450.4	515.3	522.1	496.2	469.4	448.9	446.0
47.5°	2048.4	1683.9	559.2	387.9	430.4	508.9	520.1	485.0	449.9	419.1	415.7
50°	2212.8	1786.8	462.1	366.4	421.1	505.5	519.7	472.8	430.9	394.7	392.3
52.5°	2392.4	1887.4	390.4	349.9	411.8	495.3	517.2	459.2	410.8	371.8	368.9
55°	2511.9	1926.9	342.0	334.2	396.7	479.2	507.5	446.0	380.6	345.0	340.6
57.5°	2547.1	1876.1	308.4	320.1	377.2	456.7	488.9	418.2	362.1	333.8	330.3
60°	2486.6	1748.3	287.4	308.4	355.7	427.9	456.7	402.1	347.4	322.0	319.6
62.5°	2315.8	1551.2	271.3	296.2	333.8	397.7	436.2	382.5	331.3	311.3	307.9
65°	1972.3	1272.1	258.1	283.5	312.8	368.9	413.8	363.0	313.7	298.6	294.7
67.5°	1379.4	893.4	244.0	268.4	291.8	341.1	390.4	345.0	295.7	284.5	280.6
70°	674.3	473.8	226.9	250.8	269.3	312.8	366.9	323.0	271.8	265.4	260.1
72.5°	321.1	265.0	206.9	226.9	238.6	275.2	327.9	291.3	243.5	229.8	220.5
75°	215.2	188.3	180.5	198.6	201.5	230.8	281.1	251.3	214.7	199.1	191.3
77.5°	163.0	143.9	151.8	167.9	162.0	189.8	231.3	224.0	193.7	179.6	175.7
80°	114.7	104.9	120.5	130.3	125.9	161.5	208.4	191.8	159.6	143.9	141.0
82.5°	72.2	70.3	88.8	90.3	91.7	127.8	171.3	150.8	123.9	102.0	94.7
85°	36.1	40.0	53.2	53.2	52.7	65.9	97.6	84.9	66.8	53.2	51.7
87.5°	12.2	17.1	22.9	18.5	14.2	11.2	12.7	15.6	16.6	16.1	16.1
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)