

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: P630418

Luminaire Tested: GWS-SA1D-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6305.7 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

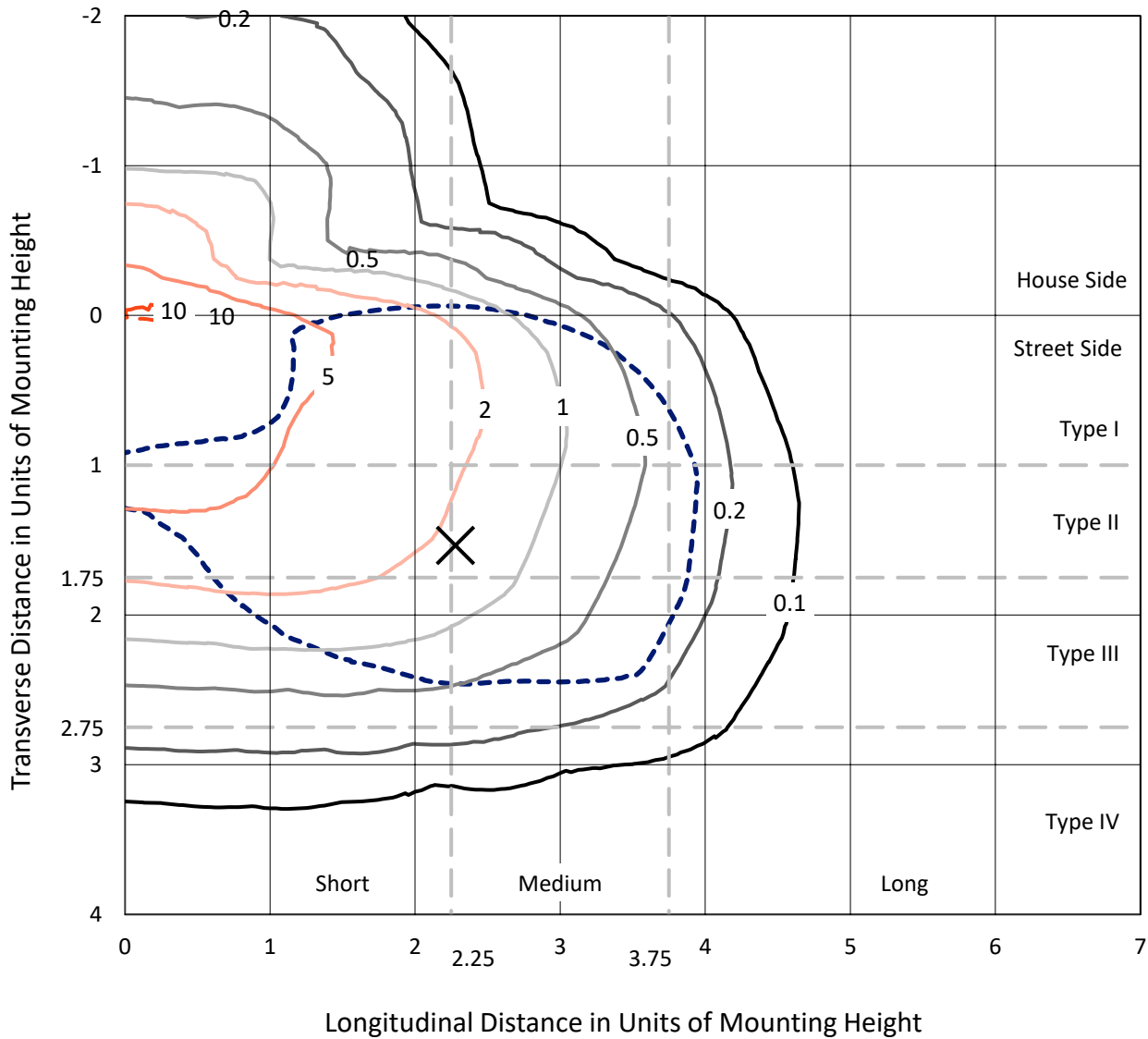
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

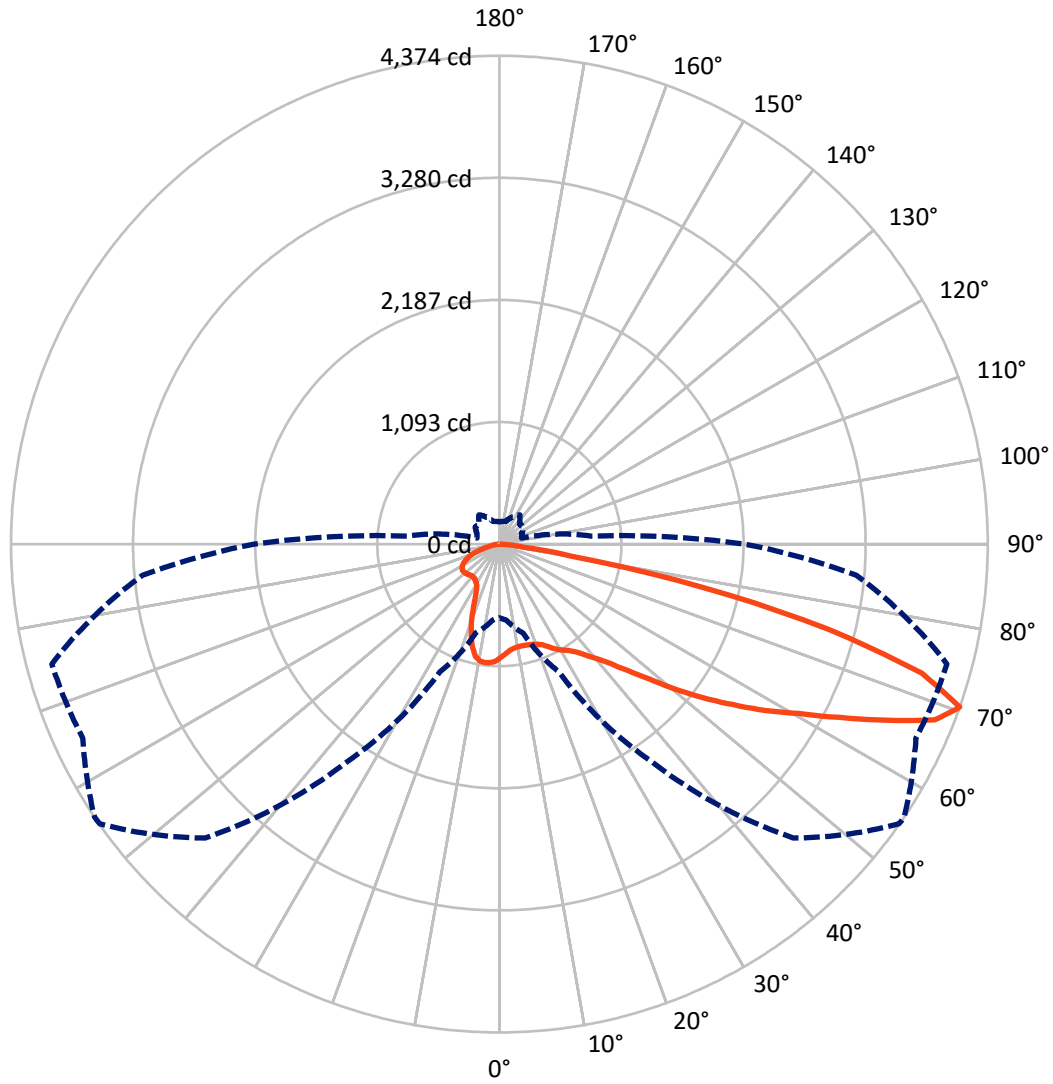
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1212.3	0.0	1212.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	5093.4	0.0	5093.4
	% Fixture	80.8	0.0	80.8
Total	Lumens	6305.7	0.0	6305.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	1.5
10°-20°	255.2	4.0
20°-30°	421.9	6.7
30°-40°	630.8	10.0
40°-50°	938.8	14.9
50°-60°	1334.7	21.2
60°-70°	1653.0	26.2
70°-80°	912.8	14.5
80°-90°	64.3	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°	6305.7	100.0
0°-180°	6305.7	100.0

Coefficient of Utilization



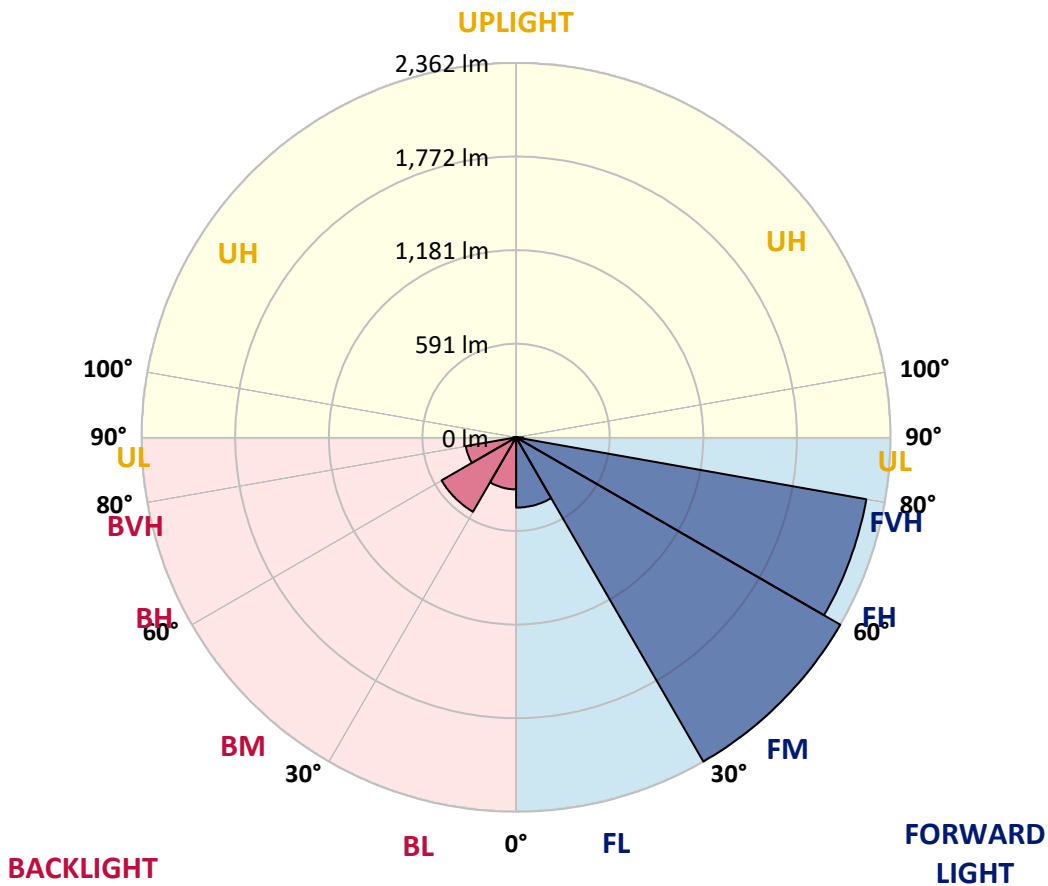
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.2	7.0			
FM (30°-60°)	2362.0	37.5			
FH (60°-80°)	2243.6	35.6			G2/5000
FVH (80°-90°)	44.7	0.7			G1/100
BL (0°-30°)	328.2	5.2	B1/500		
BM (30°-60°)	542.3	8.6	B1/1000		
BH (60°-80°)	322.2	5.1	B1/500		G1/500
BVH (80°-90°)	19.6	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8
2.5°	952.5	947.1	953.4	956.5	964.5	976.0	986.3	986.7	992.0	1004.9	1017.4
5°	909.3	906.7	908.4	917.8	926.2	940.9	956.5	957.8	972.9	998.3	1023.2
7.5°	876.0	872.4	879.1	891.1	901.8	918.2	938.7	940.5	961.8	1000.1	1038.3
10°	828.0	825.3	837.7	853.8	876.9	904.0	931.1	933.4	961.4	1011.6	1065.0
12.5°	807.1	807.1	812.4	827.5	852.9	888.9	929.8	933.4	968.5	1029.4	1099.2
15°	839.5	841.7	837.3	836.4	846.6	880.9	931.6	936.9	981.8	1047.6	1133.0
17.5°	904.9	907.1	895.6	877.3	867.1	888.4	938.2	944.0	996.0	1067.6	1169.5
20°	996.5	999.2	973.8	945.8	910.7	910.2	951.1	956.5	1014.3	1089.4	1208.2
22.5°	1103.7	1105.4	1073.4	1029.0	975.1	950.7	973.4	978.7	1037.8	1119.7	1250.0
25°	1227.7	1233.1	1194.4	1129.9	1057.0	1006.3	1010.3	1016.5	1080.1	1160.1	1299.3
27.5°	1360.2	1366.9	1322.4	1251.3	1150.8	1067.6	1057.9	1063.2	1125.0	1185.0	1325.5
30°	1495.9	1500.7	1456.3	1374.9	1251.7	1137.0	1097.9	1101.0	1144.6	1197.0	1352.2
32.5°	1646.6	1642.6	1599.9	1506.1	1368.2	1220.2	1135.2	1134.3	1166.4	1221.0	1390.5
35°	1788.0	1793.8	1748.4	1644.8	1496.3	1322.9	1191.3	1187.7	1212.6	1260.2	1444.3
37.5°	1959.2	1957.4	1903.2	1791.1	1624.8	1421.1	1270.0	1263.7	1272.6	1321.1	1519.4
40°	2081.5	2093.9	2058.8	1954.3	1775.1	1542.1	1362.0	1348.2	1350.4	1396.2	1619.9
42.5°	2181.5	2193.1	2196.6	2129.9	1947.2	1691.5	1476.7	1462.9	1464.3	1529.2	1743.5
45°	2258.5	2274.0	2324.3	2304.7	2141.1	1864.0	1631.9	1617.7	1618.6	1690.6	1892.9
47.5°	2290.0	2306.9	2408.7	2455.4	2346.9	2070.4	1824.9	1804.0	1807.1	1886.7	2063.7
50°	2279.8	2302.5	2440.3	2571.5	2519.5	2280.2	2055.7	2041.0	2029.0	2144.6	2249.1
52.5°	2191.8	2216.7	2437.2	2645.3	2660.4	2478.6	2294.0	2285.6	2282.9	2418.5	2456.3
55°	1932.5	1974.3	2330.0	2664.9	2770.7	2665.3	2552.4	2538.1	2551.9	2712.0	2665.8
57.5°	1788.9	1820.0	2120.2	2643.1	2861.0	2843.2	2810.3	2811.6	2827.2	3030.8	2919.7
60°	1707.1	1743.5	2003.7	2583.5	2947.7	3059.3	3080.2	3080.2	3108.2	3374.6	3177.6
62.5°	1598.6	1635.5	1894.7	2468.8	3027.7	3313.6	3419.5	3418.1	3429.3	3743.2	3429.7
65°	1378.5	1412.7	1675.9	2287.8	3066.9	3593.8	3805.0	3801.0	3778.8	4071.3	3596.4
67.5°	1000.9	1033.4	1283.7	1943.6	2925.9	3819.7	4202.1	4203.9	4070.9	4278.1	3605.3
70°	659.9	682.1	825.3	1262.4	2379.4	3722.3	4368.4	4373.7	4115.8	4149.2	3208.7
72.5°	411.8	427.3	515.4	752.8	1406.0	2946.3	3941.5	3956.2	3702.7	3646.2	2636.4
75°	273.5	284.1	342.8	438.9	650.5	1594.6	2996.1	3043.3	2967.7	2858.3	1836.9
77.5°	164.5	173.4	218.3	278.8	288.1	623.0	1748.9	1870.7	1881.4	1492.3	769.3
80°	75.1	85.4	120.5	159.2	153.4	217.0	616.7	645.2	761.3	474.0	242.8
82.5°	44.5	48.9	80.0	79.2	65.4	105.4	221.9	227.7	193.4	173.4	103.6
85°	17.8	20.9	33.8	29.8	24.0	34.2	83.6	87.6	84.0	75.6	38.2
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	7.6	8.0	11.6	20.9	11.6
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8	1017.8
2.5°	1025.4	1022.7	1036.1	1046.3	1050.7	1055.2	1051.2	1049.9	1049.9	1041.0	1036.5
5°	1036.5	1037.8	1056.1	1064.5	1064.5	1061.0	1050.3	1042.7	1040.1	1028.5	1025.4
7.5°	1057.4	1063.2	1080.1	1079.6	1067.2	1047.6	1020.9	1000.5	981.8	973.8	968.9
10°	1091.7	1099.2	1110.8	1092.1	1057.4	1005.8	949.4	904.9	878.2	856.9	856.9
12.5°	1130.8	1137.9	1135.7	1092.5	1020.9	924.5	843.1	791.9	754.6	735.0	735.0
15°	1169.9	1175.7	1151.7	1072.1	944.9	816.4	727.5	666.1	633.6	615.4	615.4
17.5°	1209.5	1209.0	1158.4	1025.0	845.8	696.8	609.6	562.1	550.9	547.8	547.4
20°	1247.7	1237.5	1149.9	946.2	730.6	576.3	521.1	524.3	540.7	547.8	548.7
22.5°	1290.9	1265.5	1125.0	845.8	599.9	492.7	496.2	522.0	546.0	556.7	558.1
25°	1334.9	1289.5	1083.2	727.9	490.5	462.0	489.6	518.5	545.6	559.4	560.7
27.5°	1352.7	1289.5	1012.1	591.4	432.2	449.1	479.3	507.4	535.8	551.8	554.9
30°	1367.3	1278.4	912.5	468.2	408.2	436.7	462.9	488.7	516.7	536.3	539.8
32.5°	1387.8	1268.6	791.9	393.5	397.1	424.7	442.9	464.7	490.0	502.9	501.6
35°	1411.8	1253.5	646.5	358.0	387.7	414.4	427.3	440.2	428.7	428.2	429.5
37.5°	1446.0	1240.2	519.8	341.9	381.5	407.3	418.0	390.4	374.4	367.7	365.1
40°	1495.4	1234.8	410.0	332.6	380.6	406.9	399.3	356.6	334.8	311.7	311.3
42.5°	1557.7	1230.8	338.8	328.2	383.7	417.1	373.5	334.4	289.5	279.2	278.4
45°	1637.7	1224.6	303.3	327.3	391.3	425.1	370.9	303.7	273.0	268.6	268.6
47.5°	1734.2	1214.8	287.3	327.3	399.8	421.5	362.8	297.0	265.5	270.4	273.5
50°	1844.9	1202.4	278.8	326.4	408.2	421.5	345.9	295.7	263.7	289.0	299.3
52.5°	1963.2	1188.1	273.0	322.8	414.0	422.0	346.8	300.1	265.5	293.5	301.9
55°	2093.9	1185.9	265.0	315.3	415.8	410.4	349.1	309.9	268.1	265.9	266.4
57.5°	2258.9	1212.6	259.2	304.2	408.6	386.9	353.5	317.0	265.0	265.5	268.6
60°	2431.4	1262.8	264.1	293.5	394.0	364.6	356.6	313.5	249.9	242.8	243.7
62.5°	2578.2	1301.1	268.1	288.6	372.6	345.1	353.5	305.5	241.5	239.7	243.7
65°	2639.5	1269.5	258.4	278.4	341.5	321.0	346.8	295.3	234.3	227.7	228.1
67.5°	2571.5	1121.4	239.2	255.7	306.4	290.4	336.2	281.9	224.6	216.6	214.8
70°	2196.6	824.0	206.3	219.7	263.7	254.3	319.7	264.6	209.0	203.2	199.2
72.5°	1770.2	583.4	171.2	174.8	206.8	214.3	291.3	242.8	191.2	174.8	169.0
75°	1232.2	366.4	142.7	139.2	149.4	163.6	227.2	201.4	165.0	147.6	142.3
77.5°	530.0	188.1	111.6	109.8	99.6	113.4	174.3	168.1	138.3	118.3	115.2
80°	177.4	108.9	80.5	77.4	66.3	79.6	122.7	134.3	108.5	87.6	82.3
82.5°	88.9	63.1	51.1	46.2	44.5	50.2	72.5	83.6	75.1	60.5	51.1
85°	43.6	36.0	28.0	27.6	23.1	21.8	30.2	35.6	33.8	24.9	23.6
87.5°	16.0	14.2	8.9	7.1	4.4	3.1	1.8	1.8	1.3	1.3	1.3
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)