

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: P629843

Luminaire Tested: GWS-SA1C-740-U-SL3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-SL3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4709.6 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

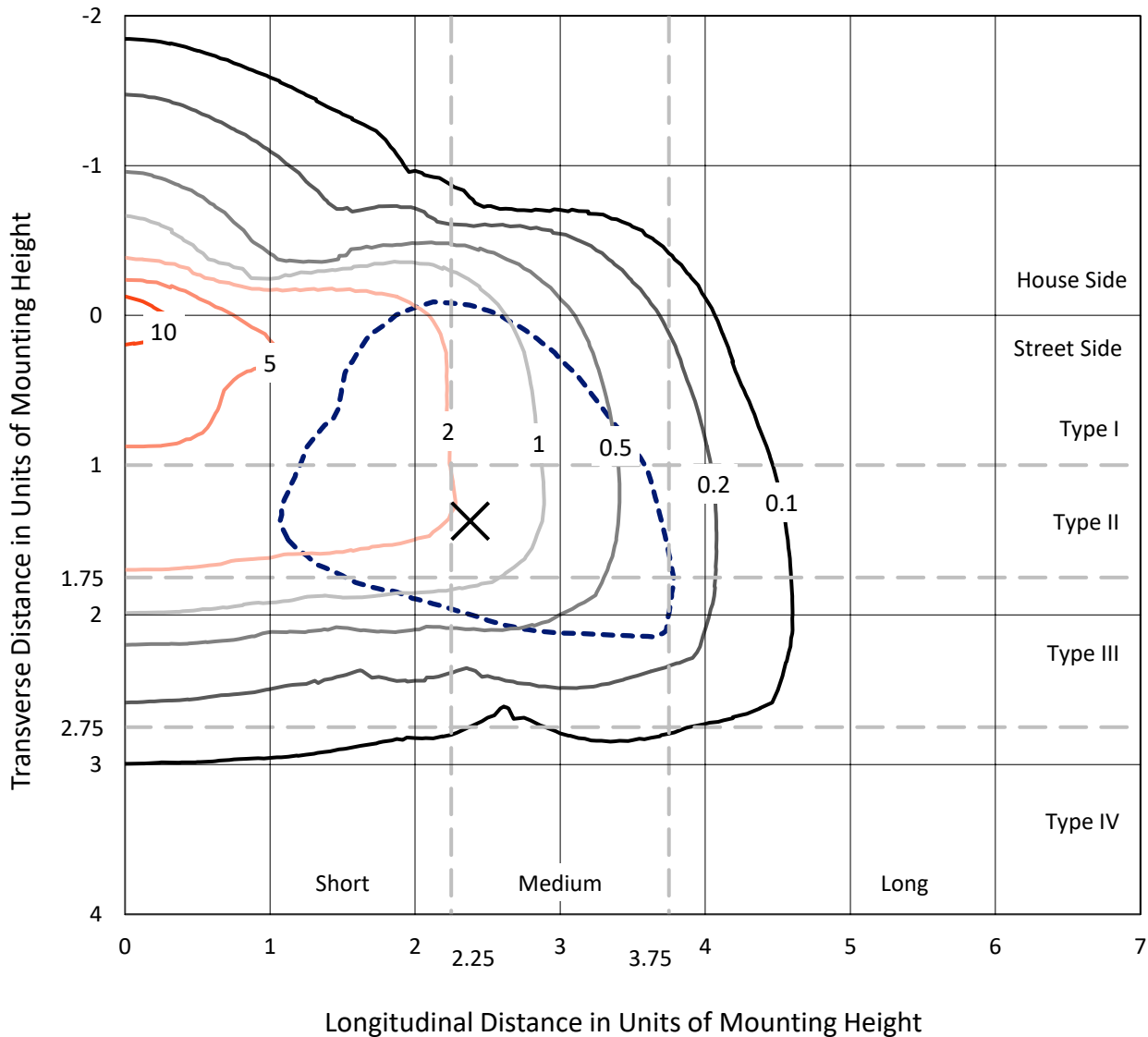
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

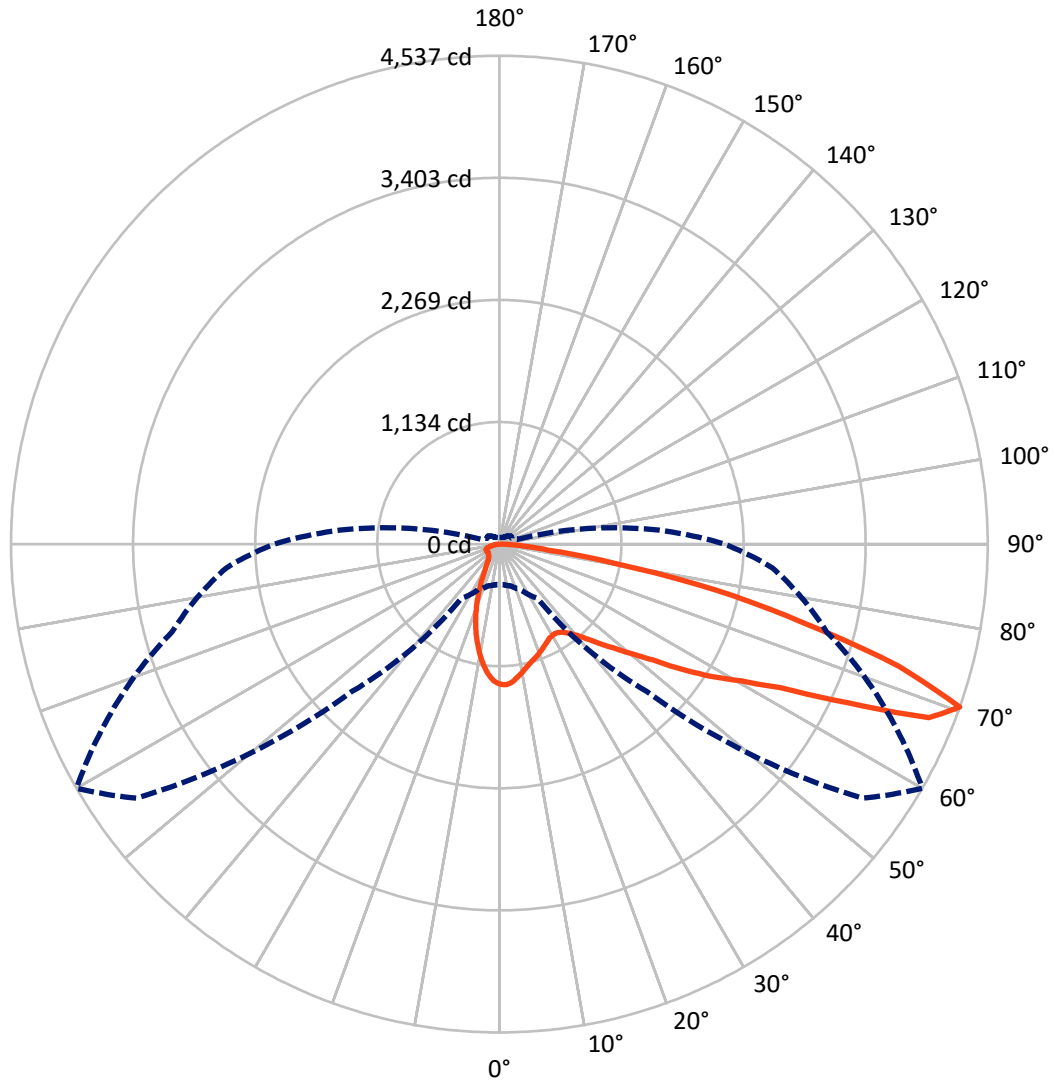
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	805.5	0.0	805.5
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	3904.1	0.0	3904.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	4709.6	0.0	4709.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	2.4
10°-20°	251.7	5.3
20°-30°	322.3	6.8
30°-40°	423.6	9.0
40°-50°	614.5	13.0
50°-60°	958.8	20.4
60°-70°	1255.3	26.7
70°-80°	694.1	14.7
80°-90°	77.0	1.6
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°	4709.6	100.0
0°-180°	4709.6	100.0

Coefficient of Utilization



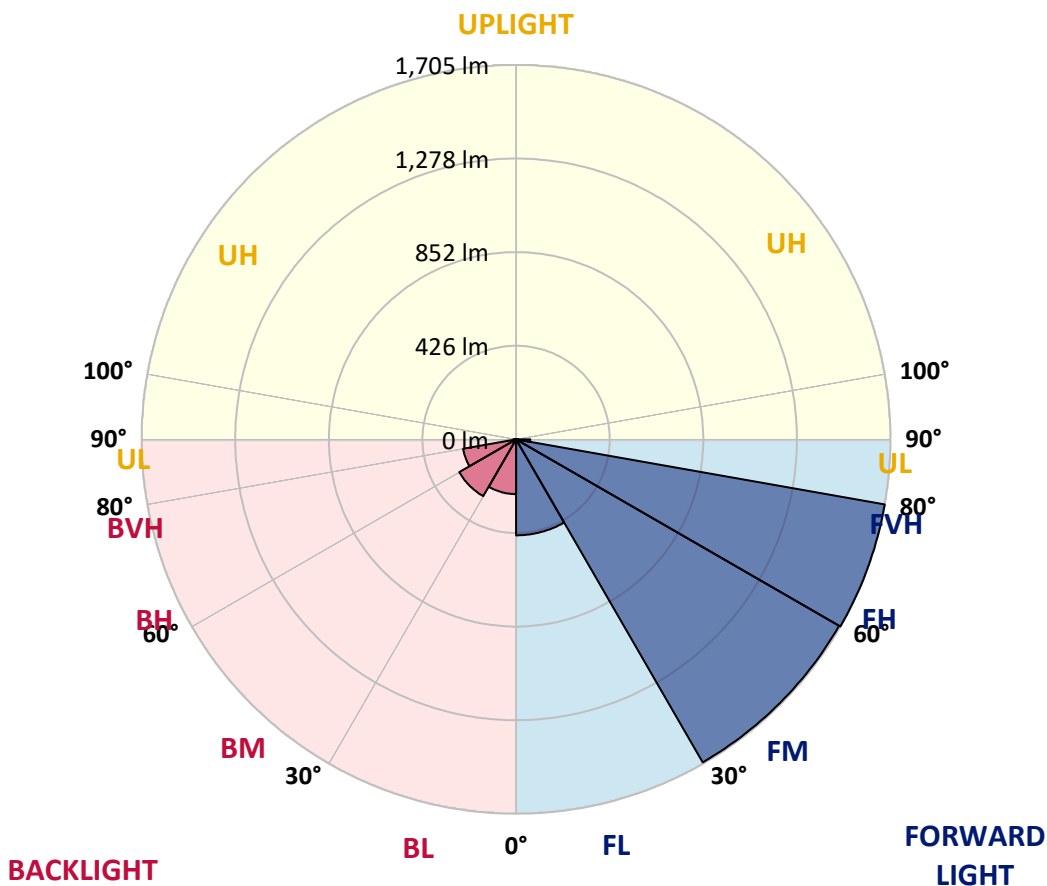
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	437.1	9.3			
FM (30°-60°)	1698.3	36.1			
FH (60°-80°)	1704.6	36.2			G1/1800
FVH (80°-90°)	64.2	1.4			G1/100
BL (0°-30°)	249.2	5.3	B1/500		
BM (30°-60°)	298.6	6.3	B1/1000		
BH (60°-80°)	244.8	5.2	B1/500		G1/500
BVH (80°-90°)	12.8	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2
2.5°	1284.9	1286.3	1290.1	1295.6	1301.1	1303.9	1310.8	1308.7	1307.3	1304.6	1301.1
5°	1228.1	1230.8	1234.3	1245.0	1257.0	1266.7	1282.2	1283.9	1284.6	1286.0	1280.5
7.5°	1155.7	1156.4	1164.7	1178.8	1194.7	1211.2	1237.0	1244.3	1250.5	1257.4	1252.9
10°	1075.8	1077.5	1083.7	1104.0	1131.3	1155.7	1190.5	1202.6	1215.7	1230.8	1224.6
12.5°	1010.3	1010.7	1020.7	1042.4	1072.0	1105.1	1148.5	1163.0	1180.2	1204.0	1198.5
15°	958.3	958.3	967.6	986.2	1020.3	1059.2	1110.9	1129.5	1153.0	1185.0	1175.4
17.5°	916.9	917.3	923.1	942.8	973.1	1016.2	1077.5	1102.7	1128.5	1170.9	1156.4
20°	895.2	893.5	894.5	906.6	932.4	974.1	1044.1	1073.4	1108.2	1161.2	1139.2
22.5°	894.2	891.1	886.6	887.6	902.8	937.3	1008.2	1043.7	1087.5	1153.3	1121.6
25°	911.8	908.3	900.4	891.4	890.1	910.7	974.5	1014.8	1066.1	1149.9	1104.7
27.5°	941.4	939.0	928.6	915.2	901.1	900.4	949.0	991.0	1050.6	1153.3	1092.7
30°	980.7	976.5	970.0	952.8	931.4	909.4	939.0	978.3	1040.3	1164.3	1087.5
32.5°	1025.1	1022.7	1016.5	999.3	976.5	941.4	946.9	981.0	1040.3	1183.6	1088.5
35°	1072.3	1072.0	1072.0	1060.6	1035.5	991.7	978.3	1004.5	1056.1	1214.6	1099.6
37.5°	1118.2	1117.8	1128.8	1133.0	1104.4	1057.2	1031.7	1051.3	1090.9	1260.5	1126.8
40°	1155.4	1156.8	1180.9	1201.6	1185.7	1141.9	1106.1	1116.1	1147.5	1325.6	1174.3
42.5°	1192.9	1196.7	1232.9	1269.4	1275.6	1237.7	1201.6	1207.4	1228.4	1411.8	1245.3
45°	1233.9	1235.7	1286.3	1337.3	1367.3	1344.9	1315.3	1323.2	1328.0	1518.2	1351.1
47.5°	1273.6	1278.1	1343.5	1413.5	1470.3	1468.3	1451.7	1449.3	1450.3	1647.8	1476.2
50°	1327.7	1334.2	1411.1	1495.5	1578.9	1617.1	1621.9	1603.7	1596.1	1791.8	1631.9
52.5°	1430.4	1430.4	1499.3	1582.3	1694.3	1789.1	1821.5	1791.5	1767.4	1944.1	1797.3
55°	1558.9	1564.4	1619.2	1686.4	1828.3	1970.0	2079.5	2046.5	1978.2	2109.9	1970.7
57.5°	1616.1	1623.0	1709.8	1814.2	2003.7	2175.7	2327.6	2315.9	2216.3	2282.2	2150.5
60°	1512.7	1527.2	1646.8	1821.8	2162.6	2507.5	2614.7	2580.6	2438.3	2463.1	2345.6
62.5°	1261.9	1277.7	1410.4	1654.7	2140.5	2866.2	3067.1	2941.3	2715.3	2691.5	2605.4
65°	752.9	752.2	911.8	1235.7	1868.7	2965.8	3783.2	3548.5	3143.3	3005.1	2872.8
67.5°	478.6	477.6	511.0	654.7	1243.6	2721.8	4243.5	4304.5	3724.6	3235.6	2894.8
70°	377.7	377.3	401.4	466.9	615.1	1936.9	4115.3	4537.4	4075.7	3147.8	2548.9
72.5°	275.3	276.0	313.2	391.1	474.5	972.4	3332.4	3882.4	3748.7	2778.7	2069.2
75°	197.8	198.8	221.2	299.4	437.6	531.7	2216.0	2919.3	2852.1	2227.4	1423.5
77.5°	125.8	127.2	146.8	209.9	353.5	429.3	1343.5	2060.9	1897.6	1255.0	506.2
80°	76.8	81.3	97.9	156.4	282.6	322.2	671.6	1085.8	950.4	344.2	170.2
82.5°	39.6	43.1	58.9	96.8	194.7	282.9	380.1	456.2	294.3	144.0	90.6
85°	12.4	14.5	20.7	39.3	92.7	175.4	251.5	226.7	135.1	67.9	42.0
87.5°	3.1	3.1	3.4	3.4	3.8	7.9	48.6	51.3	35.8	21.4	17.2
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°	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2	1303.2
2.5°	1294.2	1286.0	1282.5	1282.2	1273.6	1261.2	1252.9	1247.0	1243.6	1242.9	1242.9
5°	1271.2	1260.5	1246.4	1235.7	1212.6	1189.2	1169.5	1158.5	1145.7	1144.0	1143.7
7.5°	1240.5	1225.0	1198.1	1168.1	1127.8	1088.9	1055.8	1033.4	1011.0	1006.9	1005.5
10°	1207.4	1186.4	1140.6	1087.8	1027.5	969.3	918.7	879.0	852.8	834.2	830.8
12.5°	1174.7	1146.8	1079.6	1001.0	918.3	838.7	762.6	697.8	650.9	623.7	618.9
15°	1144.0	1105.1	1013.1	912.8	805.3	696.4	588.5	504.5	438.7	415.2	409.7
17.5°	1116.1	1067.5	948.6	821.5	687.4	545.1	422.5	347.7	309.1	297.4	294.6
20°	1088.2	1028.9	883.2	725.3	562.4	402.8	308.7	273.6	259.1	254.6	253.3
22.5°	1058.2	986.5	811.8	630.6	435.9	301.5	252.6	237.1	232.6	232.9	232.6
25°	1028.2	943.5	737.1	527.6	324.6	244.7	220.5	214.7	215.7	218.8	219.5
27.5°	1003.4	905.2	663.7	414.5	253.6	210.5	199.2	198.8	202.6	206.7	207.4
30°	985.5	871.1	591.3	318.7	208.8	187.1	182.6	184.7	189.2	192.3	193.3
32.5°	972.8	841.8	514.1	250.5	183.0	170.6	168.5	170.6	173.3	176.4	177.1
35°	968.3	820.4	438.3	204.3	165.4	158.5	157.1	158.2	159.5	161.3	162.0
37.5°	978.3	809.8	359.1	177.8	154.7	150.6	148.5	147.8	148.2	148.9	149.2
40°	1007.9	814.6	294.3	162.3	147.8	144.0	140.6	139.2	138.9	139.6	139.2
42.5°	1058.9	834.9	247.4	153.3	142.3	136.8	133.0	131.6	131.6	133.4	133.4
45°	1133.7	874.9	213.6	146.8	137.5	130.6	126.5	125.8	127.2	129.9	130.3
47.5°	1243.3	933.5	193.3	142.0	133.0	125.1	120.9	120.6	123.4	127.8	128.2
50°	1373.2	1017.9	182.3	138.5	129.9	120.6	116.5	116.8	119.9	124.7	125.8
52.5°	1529.6	1133.0	183.0	137.1	128.2	117.8	113.7	113.0	116.1	120.9	122.0
55°	1691.2	1272.9	196.4	137.5	125.8	116.5	111.0	108.5	111.3	114.7	115.1
57.5°	1869.0	1430.7	229.8	136.8	122.7	115.1	108.5	103.0	104.8	106.8	107.9
60°	2069.6	1616.4	301.9	138.2	121.3	112.0	103.7	96.5	96.1	97.5	97.9
62.5°	2337.6	1869.0	382.8	140.6	124.4	108.2	96.5	88.9	87.5	88.2	88.6
65°	2542.7	1989.6	357.3	138.5	130.9	105.4	89.6	81.7	78.9	78.2	78.2
67.5°	2459.3	1830.1	248.8	133.0	134.0	105.8	84.1	74.1	70.6	68.9	68.6
70°	2092.6	1486.5	173.0	127.5	130.6	105.1	78.2	67.9	63.4	61.0	60.6
72.5°	1653.3	1135.1	139.9	116.5	118.5	94.8	69.6	61.0	57.2	54.1	54.1
75°	1064.1	692.6	116.8	103.7	96.8	73.7	60.3	54.4	50.7	47.6	47.6
77.5°	358.0	257.1	90.6	87.9	72.4	55.5	50.7	46.9	43.8	41.0	40.7
80°	145.4	122.0	66.5	66.5	50.7	42.4	39.6	37.9	35.8	32.4	32.4
82.5°	84.4	74.1	46.5	40.3	33.8	29.3	27.6	25.8	25.8	23.4	23.4
85°	40.7	41.0	27.9	24.8	19.3	16.9	16.2	15.2	14.8	13.4	13.1
87.5°	22.1	22.4	14.1	11.0	7.6	6.5	5.5	5.2	4.8	4.5	4.5
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)