

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: P629291

Luminaire Tested: GWS-SA1B-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629291  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-735-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

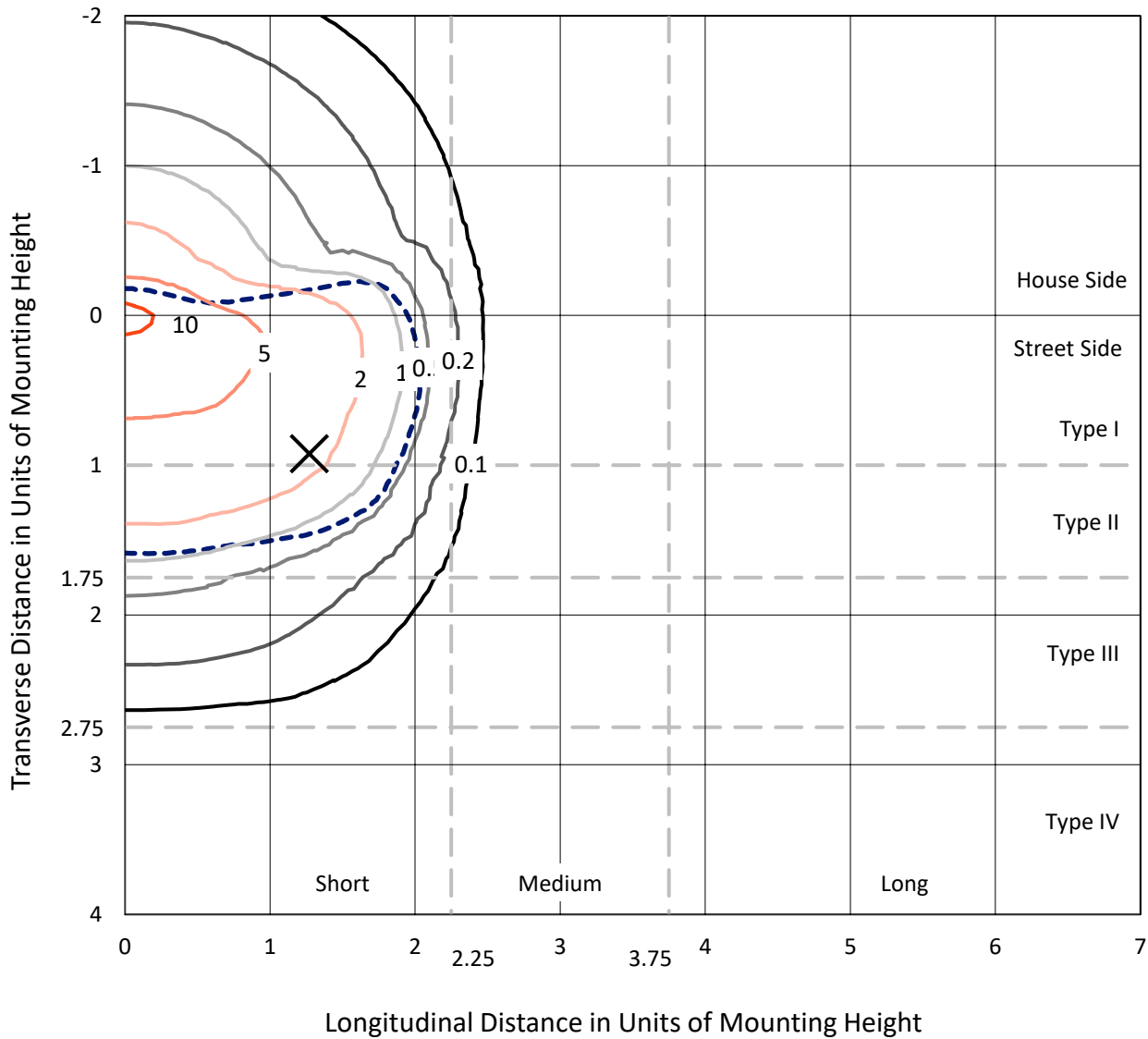
Lumens per Lamp: N/A  
Luminaire Lumens: 2960.3 lumens  
Efficiency: N/A  
Efficacy: 118.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

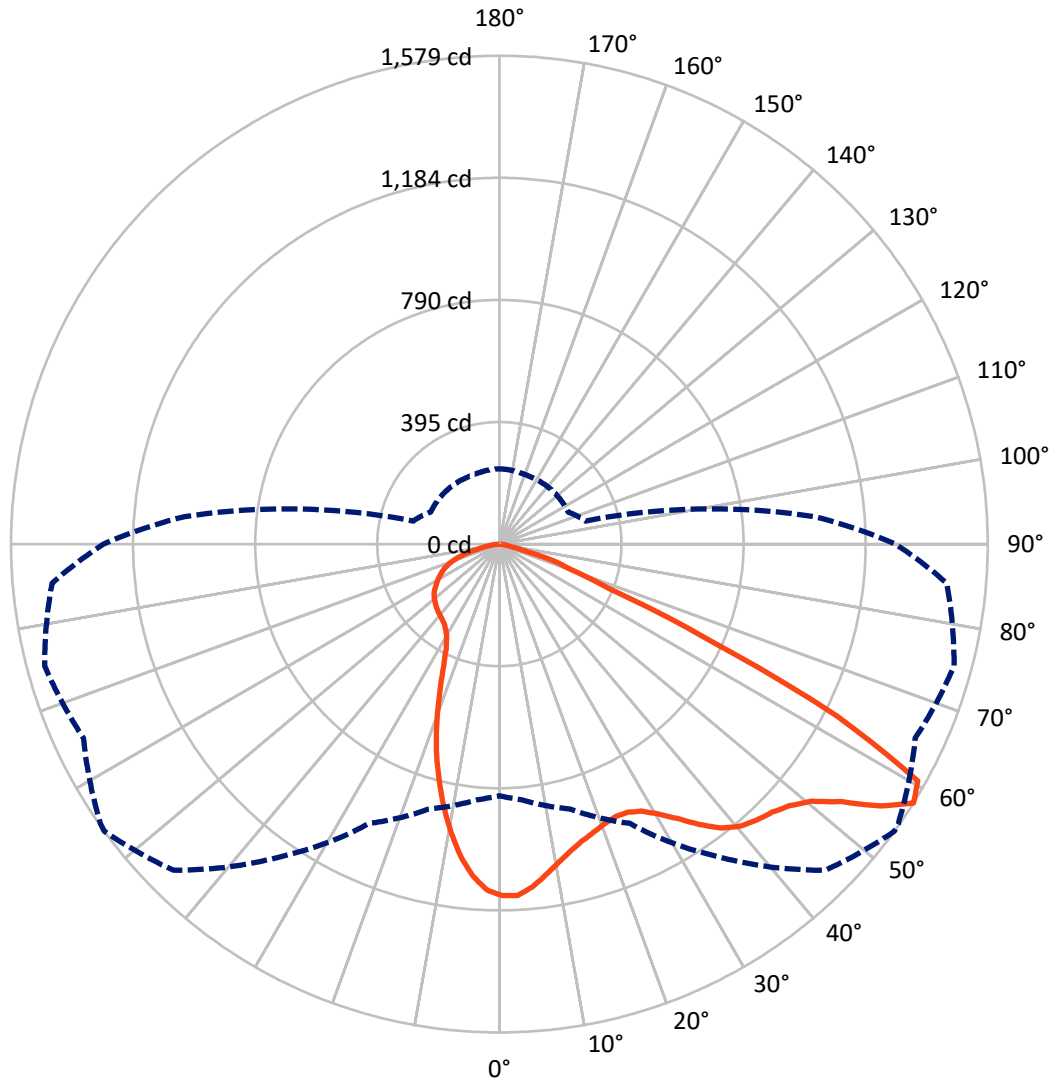
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	860.6	0.0	860.6
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	2099.7	0.0	2099.7
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	2960.3	0.0	2960.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.9	3.4
10°-20°	238.4	8.1
20°-30°	329.9	11.1
30°-40°	458.4	15.5
40°-50°	605.4	20.4
50°-60°	719.4	24.3
60°-70°	398.5	13.5
70°-80°	99.2	3.4
80°-90°	11.3	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°	2960.3	100.0
0°-180°	2960.3	100.0

**Coefficient of Utilization**



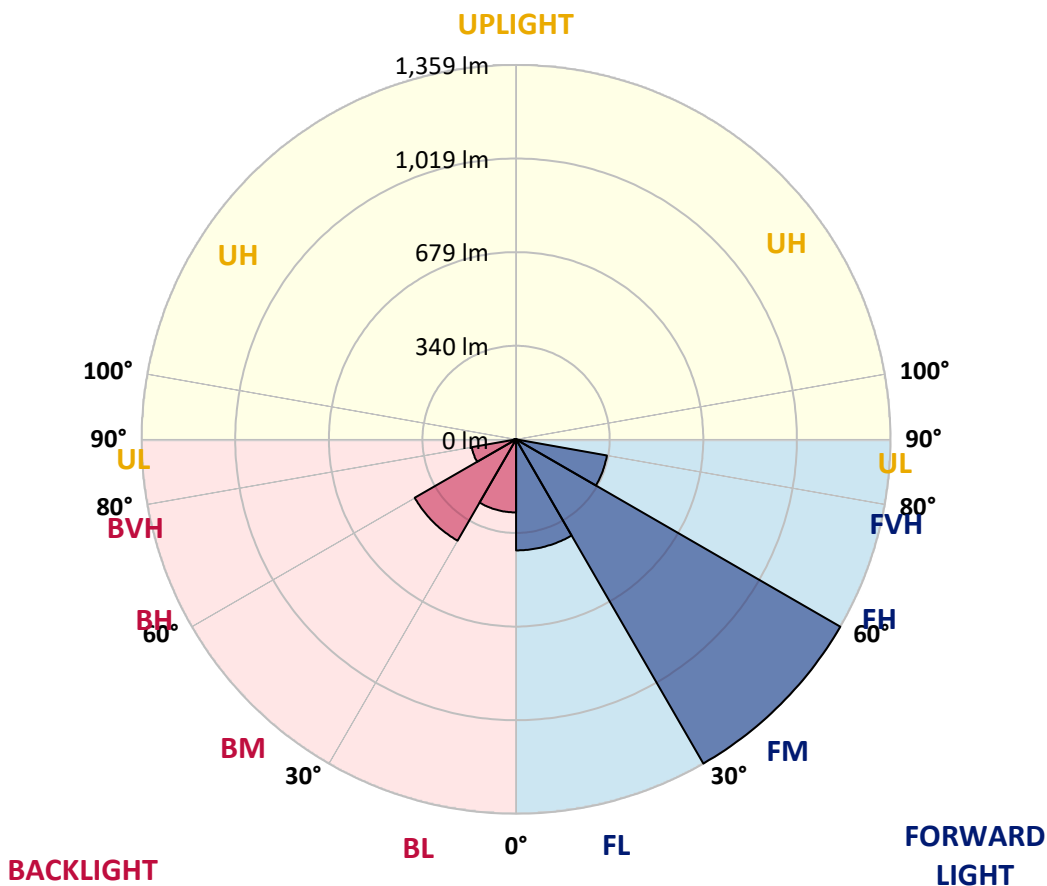
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	402.9	13.6			
FM (30°-60°)	1358.5	45.9			
FH (60°-80°)	334.7	11.3			G0/660
FVH (80°-90°)	3.5	0.1			G0/10
BL (0°-30°)	265.2	9.0	B1/500		
BM (30°-60°)	424.6	14.3	B1/1000		
BH (60°-80°)	163.1	5.5	B1/500		G1/500
BVH (80°-90°)	7.8	0.3			G0/10
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°	54°	55°	65°	75°	85°
0°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1115.2	1117.5	1119.0	1124.4	1128.9	1133.0	1137.3	1137.3	1137.0	1136.3	1134.8
5°	1071.1	1073.7	1077.2	1084.6	1094.5	1101.6	1113.2	1114.2	1119.3	1121.3	1120.3
7.5°	1020.0	1020.7	1025.3	1034.9	1050.6	1063.3	1080.0	1082.0	1094.2	1101.3	1100.0
10°	964.0	961.4	969.5	983.7	1004.2	1025.5	1047.1	1048.8	1068.4	1081.8	1080.8
12.5°	912.8	913.0	921.1	938.4	964.0	990.3	1019.2	1023.3	1047.3	1064.6	1062.8
15°	869.9	871.0	880.8	900.4	929.5	960.9	996.9	1000.7	1031.1	1053.9	1048.8
17.5°	835.7	836.7	845.4	867.7	898.8	936.8	980.7	984.5	1022.2	1049.4	1039.0
20°	812.2	811.7	820.0	841.3	873.5	914.8	966.5	972.1	1019.5	1051.1	1032.4
22.5°	802.5	802.3	808.4	825.9	856.0	897.8	957.9	965.5	1022.5	1059.0	1028.3
25°	807.4	806.3	811.7	824.6	848.7	891.2	960.4	968.5	1035.4	1075.2	1029.1
27.5°	822.3	821.0	825.6	837.3	855.5	898.1	978.1	987.5	1062.8	1104.9	1039.2
30°	845.1	844.3	848.9	860.1	876.0	920.9	1012.1	1022.7	1105.1	1151.0	1061.3
32.5°	871.7	870.4	878.6	891.5	910.0	962.4	1057.7	1071.7	1155.3	1210.3	1098.3
35°	901.6	900.6	911.8	930.5	957.1	1020.2	1113.0	1128.2	1206.5	1277.4	1147.4
37.5°	930.8	930.8	952.3	980.2	1013.6	1083.1	1164.9	1174.5	1241.9	1337.0	1200.1
40°	956.6	958.1	990.6	1032.4	1074.9	1139.8	1199.1	1207.2	1257.7	1378.0	1246.0
42.5°	985.2	986.5	1024.3	1079.0	1129.7	1185.7	1219.9	1224.0	1260.7	1398.5	1278.4
45°	1008.0	1009.8	1056.7	1115.2	1177.3	1220.2	1236.4	1239.9	1265.0	1409.7	1302.0
47.5°	1020.0	1022.5	1076.2	1144.4	1209.5	1251.1	1263.5	1265.0	1282.7	1429.2	1330.4
50°	1017.9	1023.0	1083.6	1158.8	1233.3	1282.2	1307.1	1309.6	1319.0	1457.8	1363.6
52.5°	1035.9	1038.2	1099.3	1176.1	1267.3	1339.8	1382.8	1386.4	1382.1	1479.4	1383.3
55°	1006.0	1016.9	1079.8	1173.5	1319.0	1428.7	1495.1	1493.3	1439.3	1503.5	1416.3
57.5°	813.7	829.7	887.2	996.1	1233.8	1491.0	1579.0	1574.7	1483.7	1522.0	1452.0
60°	563.3	565.9	617.8	695.1	952.3	1317.2	1554.4	1563.8	1491.8	1498.6	1385.9
62.5°	450.6	449.8	454.6	456.6	605.6	925.9	1227.0	1261.2	1239.4	1167.7	982.2
65°	384.7	387.5	401.6	394.3	395.3	521.5	733.1	737.9	722.7	696.9	519.5
67.5°	301.0	305.9	330.9	359.6	350.5	335.8	380.4	378.1	298.0	230.6	190.6
70°	188.5	191.6	218.4	282.3	305.1	275.7	244.5	243.5	159.6	131.3	143.9
72.5°	110.0	110.5	118.1	157.4	202.5	188.5	179.9	173.3	102.6	104.7	114.8
75°	60.6	60.6	60.3	67.9	79.8	70.7	68.4	66.6	68.7	77.8	85.4
77.5°	12.7	12.9	13.7	18.0	23.3	28.4	35.7	36.0	44.9	51.9	58.0
80°	5.8	6.1	7.6	9.6	12.4	16.5	21.8	22.0	27.1	32.7	36.7
82.5°	3.0	3.3	4.1	5.1	6.6	8.6	12.2	12.2	16.2	19.3	21.8
85°	1.0	1.0	1.5	2.0	2.8	3.5	4.8	4.8	7.1	9.4	10.9
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.0	1.3	1.5	2.5
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°	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5	1136.5
2.5°	1131.5	1123.6	1123.9	1125.4	1120.6	1113.2	1108.4	1102.3	1098.5	1097.8	1100.5
5°	1115.2	1106.1	1099.8	1093.2	1079.5	1063.3	1050.6	1040.2	1033.4	1030.9	1027.8
7.5°	1092.9	1081.0	1065.1	1046.6	1021.7	992.8	972.6	953.6	940.4	936.6	934.8
10°	1070.6	1053.4	1025.0	990.6	949.3	910.2	873.5	845.4	823.1	810.4	814.4
12.5°	1047.6	1026.3	981.9	929.0	871.5	812.7	764.5	717.9	681.9	663.9	658.6
15°	1027.3	998.4	936.6	864.9	788.3	714.4	644.7	574.7	529.1	504.3	497.4
17.5°	1010.1	972.6	888.7	799.5	708.0	602.6	516.9	452.1	420.9	407.2	406.2
20°	993.1	947.2	841.3	729.0	615.3	497.2	420.7	390.2	379.1	374.3	374.0
22.5°	977.9	920.6	791.4	658.6	523.0	417.9	375.8	362.6	359.6	359.6	359.1
25°	965.0	894.0	740.2	583.8	439.7	372.0	352.5	346.9	348.2	350.5	350.7
27.5°	959.6	873.2	690.8	507.1	382.1	345.4	336.5	335.8	339.3	342.9	343.4
30°	965.2	859.0	640.1	433.6	347.7	329.2	325.1	326.6	330.9	334.5	334.5
32.5°	982.5	852.0	588.4	379.9	327.7	317.8	316.5	318.0	321.3	323.3	323.6
35°	1011.6	854.7	534.9	343.6	314.7	309.4	309.2	310.2	311.4	312.7	313.0
37.5°	1048.3	867.2	477.7	322.6	306.4	303.3	302.8	302.6	302.8	302.8	303.1
40°	1084.3	885.9	426.5	310.2	300.5	298.0	296.7	295.0	294.7	294.2	294.0
42.5°	1110.9	900.4	385.7	301.3	295.2	292.2	290.7	287.9	287.6	287.4	287.1
45°	1131.0	912.5	351.7	292.7	289.6	286.9	283.6	281.0	281.5	282.0	282.0
47.5°	1153.5	923.2	326.9	284.6	282.8	280.0	276.0	274.2	276.0	277.7	277.7
50°	1180.9	938.1	306.6	276.5	275.7	272.4	268.9	268.1	270.1	272.7	272.7
52.5°	1200.9	951.0	292.2	268.4	268.4	264.0	261.0	260.8	263.0	265.6	265.8
55°	1238.4	981.2	287.1	259.0	258.0	254.7	252.4	250.6	253.4	255.7	255.7
57.5°	1280.7	1021.2	288.4	245.6	244.3	243.3	241.5	239.5	240.2	242.8	243.0
60°	1191.0	943.7	274.4	232.1	231.4	230.9	228.6	225.0	226.0	228.1	228.3
62.5°	831.9	627.2	222.0	215.4	217.9	217.7	214.6	210.6	210.8	213.6	213.6
65°	431.8	339.3	194.9	200.2	204.0	202.5	197.4	193.9	193.3	196.9	196.1
67.5°	186.3	185.2	177.4	184.2	188.3	185.0	179.7	173.8	174.3	175.6	174.6
70°	150.0	154.6	157.9	165.2	168.5	162.4	156.6	153.3	150.5	150.3	148.5
72.5°	119.9	126.2	133.5	141.1	142.2	136.1	128.7	125.7	121.4	121.1	119.4
75°	90.2	95.5	101.4	107.4	107.4	101.6	96.8	95.3	90.2	88.7	87.2
77.5°	61.6	64.9	69.4	71.0	72.5	70.2	65.4	62.8	57.0	55.5	53.5
80°	38.8	41.1	43.8	44.9	46.4	43.6	39.8	37.0	32.9	31.7	30.7
82.5°	23.3	24.8	26.6	27.1	28.4	26.4	22.8	20.8	18.5	17.5	16.7
85°	11.9	12.7	13.7	13.9	13.7	11.7	10.4	9.4	7.9	7.6	7.1
87.5°	3.0	3.5	3.8	3.5	3.3	2.5	1.8	1.3	0.5	0.5	0.3
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)