

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: P629452

Luminaire Tested: GWS-SA1B-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629452  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

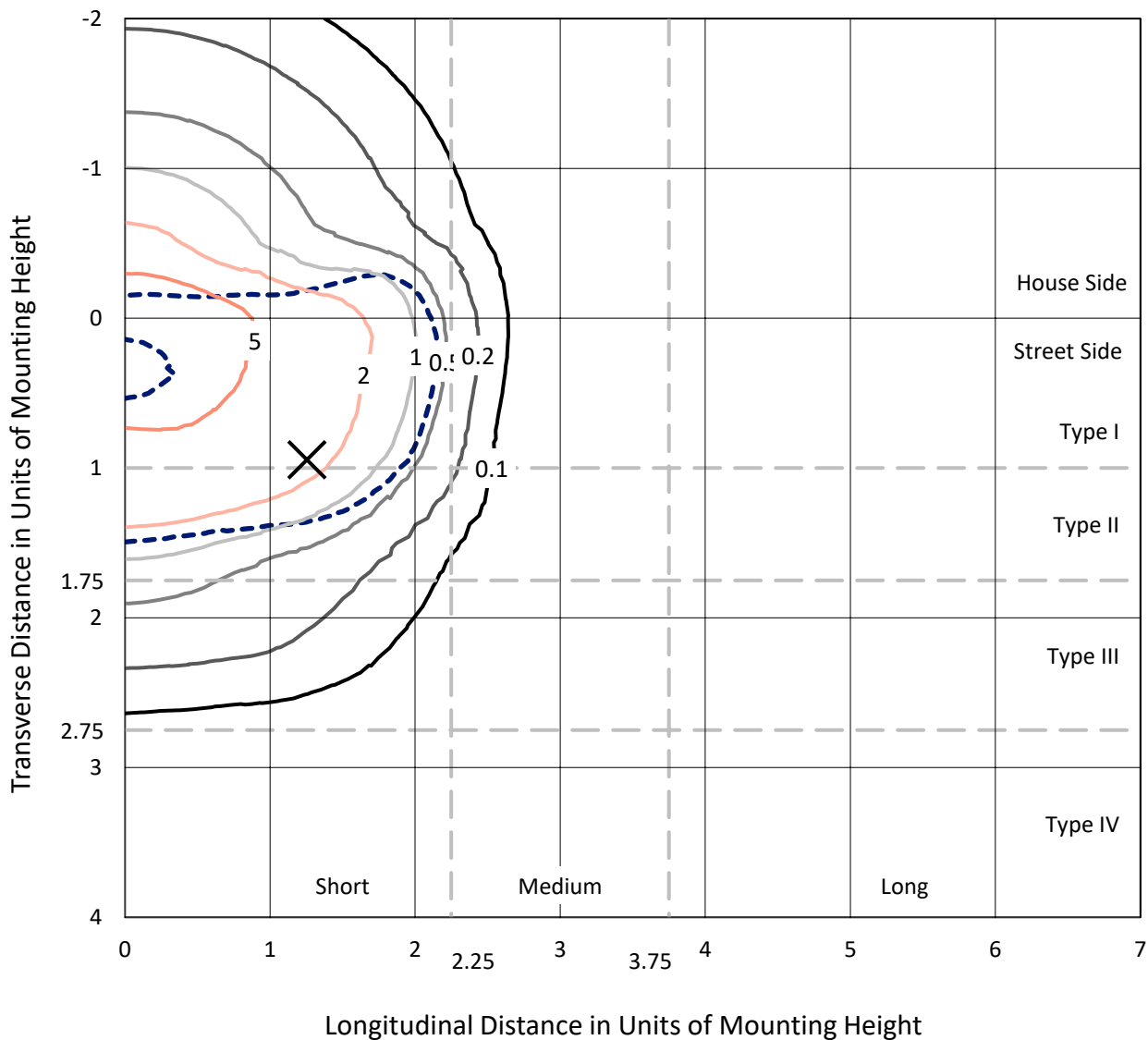
Lumens per Lamp: N/A  
Luminaire Lumens: 3079.7 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

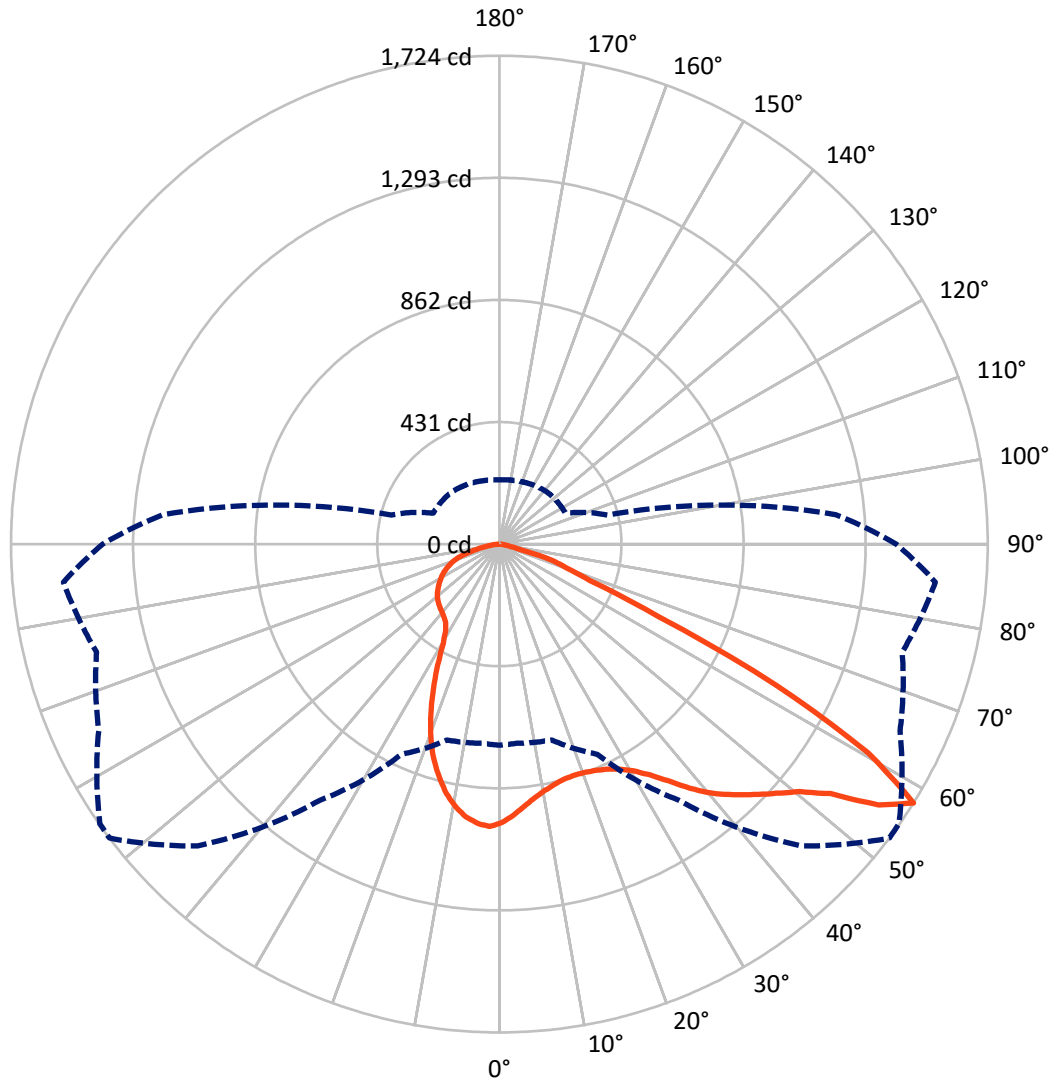
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	962.9	0.0	962.9
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	2116.8	0.0	2116.8
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	3079.7	0.0	3079.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	2.9
10°-20°	233.3	7.6
20°-30°	343.8	11.2
30°-40°	481.2	15.6
40°-50°	632.5	20.5
50°-60°	741.6	24.1
60°-70°	436.9	14.2
70°-80°	108.7	3.5
80°-90°	12.7	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°	3079.7	100.0
0°-180°	3079.7	100.0

**Coefficient of Utilization**



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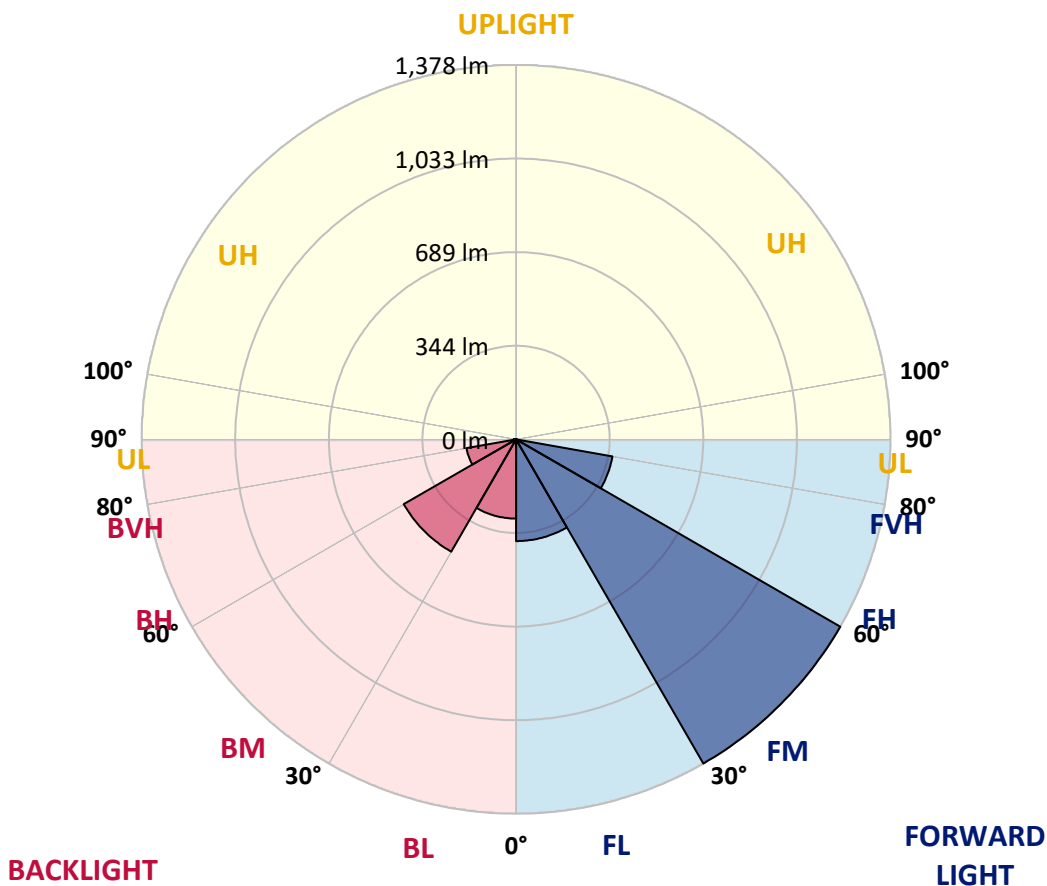
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.4	12.2			
FM (30°-60°)	1377.9	44.7			
FH (60°-80°)	360.2	11.7			G0/660
FVH (80°-90°)	4.3	0.1			G0/10
BL (0°-30°)	291.6	9.5	B1/500		
BM (30°-60°)	477.5	15.5	B1/1000		
BH (60°-80°)	185.4	6.0	B1/500		G1/500
BVH (80°-90°)	8.5	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°	53°	55°	65°	75°	85°
0°	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4
2.5°	926.9	929.5	930.0	938.1	938.6	950.3	958.0	956.5	964.5	974.4	982.1
5°	882.6	882.9	885.5	895.0	900.2	915.5	928.5	928.5	944.0	964.3	981.6
7.5°	846.1	845.8	848.1	858.8	867.3	885.7	903.3	905.4	927.2	956.7	985.0
10°	812.1	813.9	816.5	829.5	840.3	863.2	884.2	887.5	915.0	951.5	989.7
12.5°	790.3	790.6	794.5	809.0	823.0	847.3	869.4	873.5	905.2	946.6	993.0
15°	776.3	776.6	780.7	796.8	813.1	837.8	860.3	865.0	899.4	945.8	999.5
17.5°	770.1	769.8	773.7	789.8	807.7	833.4	857.5	863.2	902.0	951.8	1010.9
20°	770.1	770.4	772.4	787.0	805.1	832.3	860.3	867.3	912.1	965.3	1028.5
22.5°	781.0	782.0	783.1	792.9	807.2	833.9	867.8	877.2	933.9	987.8	1051.6
25°	802.2	802.5	803.5	811.6	818.1	838.3	880.3	894.3	967.9	1020.8	1080.6
27.5°	830.8	834.4	835.4	840.6	840.6	849.2	899.7	919.9	1013.8	1068.2	1117.7
30°	870.7	872.0	873.8	879.5	873.3	869.6	928.2	954.1	1066.9	1125.5	1162.3
32.5°	905.7	908.5	918.4	927.7	916.6	905.2	970.2	1000.8	1118.0	1185.1	1209.7
35°	935.5	942.5	961.4	982.1	974.4	963.0	1025.9	1057.8	1160.0	1227.9	1251.7
37.5°	971.5	977.0	1002.9	1036.6	1043.6	1038.1	1093.9	1116.7	1187.9	1238.8	1274.5
40°	1008.1	1016.4	1049.8	1096.4	1123.1	1127.0	1156.6	1171.9	1197.5	1217.5	1270.1
42.5°	1045.4	1059.6	1105.5	1160.0	1207.4	1216.2	1209.5	1215.9	1194.4	1188.2	1249.6
45°	1091.0	1107.9	1159.7	1229.2	1291.6	1305.4	1261.3	1255.3	1193.9	1177.1	1236.9
47.5°	1144.9	1161.8	1211.3	1292.1	1372.0	1382.1	1314.4	1303.6	1212.1	1194.2	1254.0
50°	1192.6	1204.3	1248.6	1339.1	1446.9	1452.9	1373.0	1359.8	1257.2	1241.6	1307.4
52.5°	1144.1	1142.8	1189.5	1301.0	1485.8	1557.6	1463.2	1450.5	1344.2	1320.4	1390.1
55°	970.7	956.0	997.7	1107.3	1377.2	1650.6	1625.0	1599.6	1460.4	1399.7	1467.6
57.5°	709.7	705.6	715.7	818.6	1103.2	1506.5	1724.0	1721.7	1560.7	1472.3	1544.9
60°	555.0	548.7	521.8	524.6	752.0	1176.8	1496.1	1564.8	1622.9	1515.8	1598.8
62.5°	492.8	488.1	474.1	435.5	447.9	789.0	1096.7	1159.7	1418.1	1338.8	1373.3
65°	408.0	406.7	418.4	416.8	375.3	435.7	619.0	682.5	891.7	902.8	891.7
67.5°	296.5	294.2	323.7	382.1	361.3	328.9	345.0	367.0	457.2	410.6	369.6
70°	192.9	189.5	206.6	276.1	323.5	286.7	248.6	245.0	251.4	156.3	169.0
72.5°	129.3	125.5	125.2	151.9	195.4	193.1	192.6	190.8	170.3	123.4	136.9
75°	72.1	68.9	68.2	65.6	70.0	71.3	75.9	78.5	85.0	93.6	103.7
77.5°	12.2	11.9	15.0	19.2	26.4	34.0	42.0	44.3	54.7	64.8	71.3
80°	6.7	7.0	9.1	11.1	14.8	20.2	25.9	27.5	33.7	39.1	44.3
82.5°	3.6	3.6	4.7	6.0	8.0	10.6	14.0	15.3	19.4	22.8	26.4
85°	1.3	1.3	1.8	2.3	3.4	4.4	5.4	6.2	8.6	11.7	13.2
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.0	1.0	1.3	2.3	3.4
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°	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4	983.4
2.5°	988.6	981.6	991.2	995.6	997.2	998.2	991.5	986.8	985.2	980.3	977.5
5°	992.2	987.6	996.7	996.7	990.2	983.4	969.7	960.1	953.4	945.3	944.0
7.5°	998.5	995.1	1000.0	989.9	973.6	955.4	931.6	912.9	897.9	888.0	888.3
10°	1006.8	1002.6	998.7	976.2	946.4	912.9	876.4	849.2	824.3	812.9	806.7
12.5°	1012.2	1006.2	989.9	952.6	908.8	863.9	812.4	771.9	735.9	719.6	718.3
15°	1018.9	1008.1	975.4	922.0	861.1	799.9	733.6	677.3	628.6	603.2	601.9
17.5°	1027.8	1009.9	958.0	887.0	810.8	720.6	637.1	566.4	514.5	494.8	498.2
20°	1040.2	1011.9	938.3	848.1	748.3	630.4	526.4	461.4	441.4	440.1	437.5
22.5°	1054.2	1013.2	916.6	804.6	672.6	534.2	434.9	407.2	407.0	413.4	415.0
25°	1070.0	1014.3	891.9	753.8	590.7	438.3	384.7	376.4	382.8	395.0	396.6
27.5°	1090.2	1016.4	862.1	698.0	503.6	378.7	356.9	354.9	362.6	374.0	373.5
30°	1120.0	1023.9	830.5	634.0	414.2	350.4	340.1	340.3	343.4	348.9	349.7
32.5°	1150.4	1035.5	799.7	562.0	362.9	334.4	329.7	329.2	329.2	331.5	332.0
35°	1179.1	1048.8	766.2	486.8	338.0	325.0	321.9	320.4	319.6	319.1	318.3
37.5°	1195.2	1055.2	733.6	412.7	324.8	318.8	315.7	313.6	310.8	308.7	308.2
40°	1188.2	1047.7	695.7	357.2	316.8	312.9	309.2	306.4	302.5	300.7	299.6
42.5°	1164.9	1024.4	654.5	331.0	310.3	306.4	302.0	297.3	294.7	293.2	292.9
45°	1140.3	996.1	604.7	315.7	304.0	299.4	294.2	289.0	286.2	285.4	285.1
47.5°	1139.5	982.1	551.9	303.5	296.5	291.9	285.4	280.2	277.1	276.1	275.0
50°	1173.7	996.4	492.2	292.9	288.8	283.8	276.6	270.9	267.0	265.7	265.4
52.5°	1244.7	1050.0	438.8	282.3	278.4	272.7	266.7	261.0	256.4	254.0	253.8
55°	1321.4	1118.2	405.7	271.4	266.2	261.3	255.8	249.6	244.4	240.8	240.3
57.5°	1400.8	1192.6	395.5	257.7	253.8	250.4	243.9	237.2	231.2	227.8	227.1
60°	1466.1	1256.6	414.5	243.1	241.1	236.7	230.7	224.2	220.1	217.5	217.0
62.5°	1227.3	1023.1	334.6	227.3	227.3	222.7	215.9	211.3	208.4	206.6	206.1
65°	778.9	633.5	228.4	211.5	211.3	205.0	199.3	196.2	194.9	192.1	191.6
67.5°	339.3	289.5	195.2	195.4	194.4	187.7	182.0	179.6	177.0	173.9	173.7
70°	176.0	179.4	174.7	177.6	175.7	167.7	162.3	158.6	153.2	150.1	150.3
72.5°	142.0	145.7	150.9	155.3	151.4	144.9	136.3	131.9	124.9	121.6	121.8
75°	108.3	112.2	117.2	121.8	118.7	110.7	105.2	100.8	92.8	88.9	89.7
77.5°	74.7	76.7	82.7	82.4	81.4	79.1	71.0	65.8	57.5	52.9	53.4
80°	46.4	47.7	50.5	51.8	51.3	48.2	41.7	37.8	32.9	30.1	30.3
82.5°	28.0	28.8	31.4	31.6	31.4	29.0	24.1	21.3	18.1	16.6	16.6
85°	14.3	14.8	16.3	16.3	14.8	12.4	11.1	9.8	8.0	7.3	7.3
87.5°	3.9	3.9	4.9	4.1	3.4	3.1	1.6	1.3	0.5	0.3	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)