

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: P630108

Luminaire Tested: GWS-SA1D-722-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630108
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4598 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

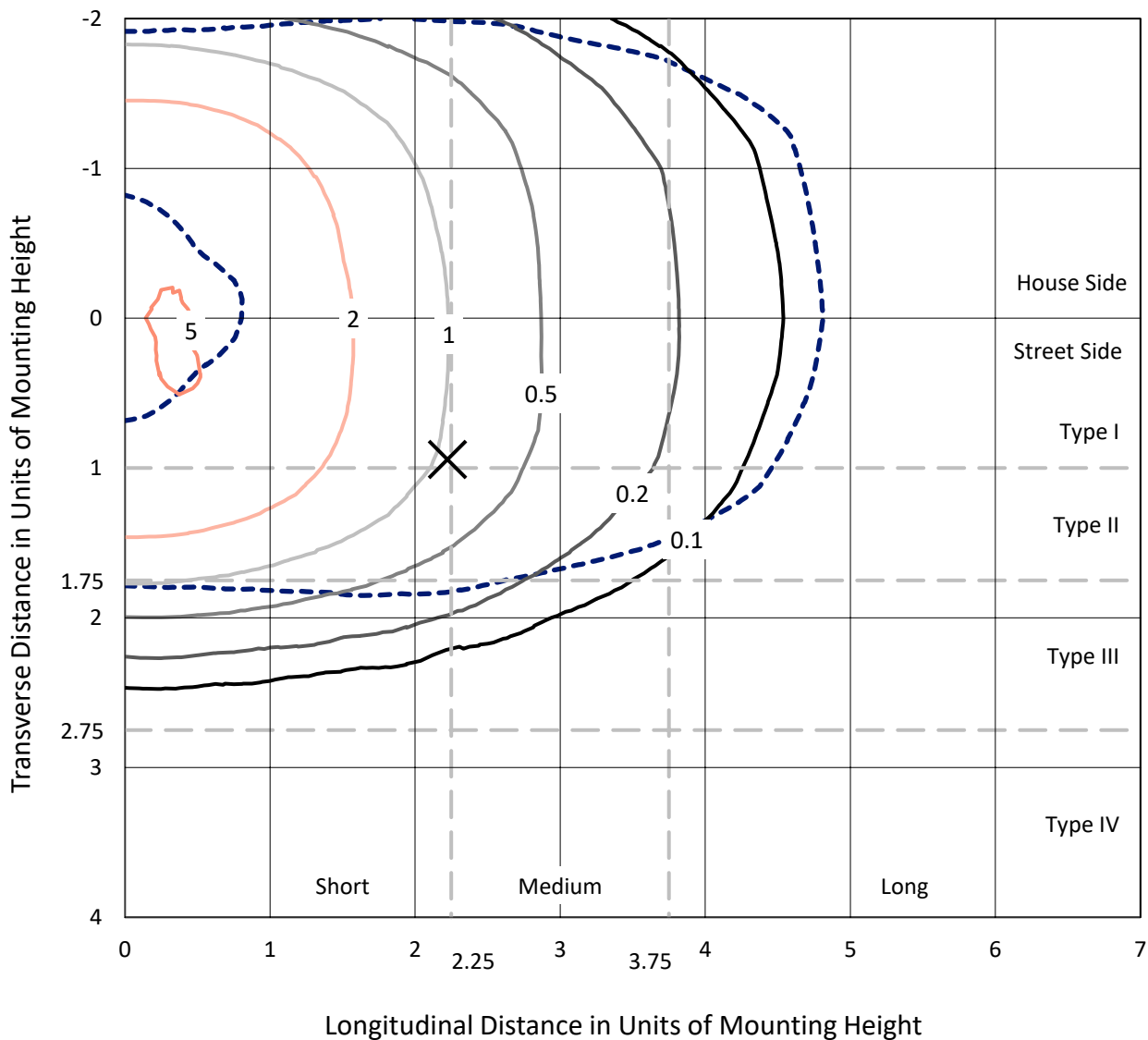
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

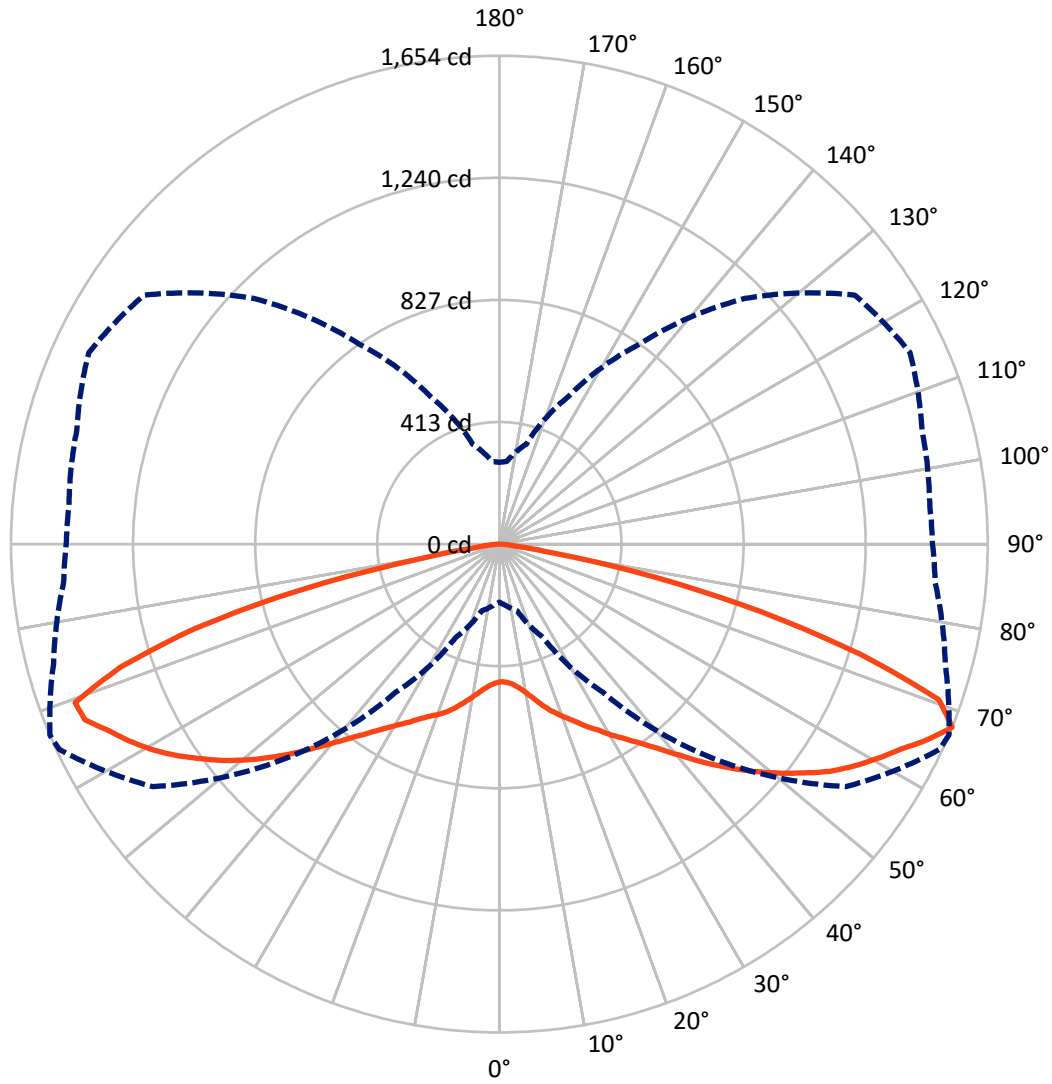
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2273.6	0.0	2273.6
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	2324.4	0.0	2324.4
	% Fixture	50.6	0.0	50.6
Total	Lumens	4598.0	0.0	4598.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.7	1.0
10°-20°	154.3	3.4
20°-30°	302.8	6.6
30°-40°	515.8	11.2
40°-50°	828.3	18.0
50°-60°	1125.5	24.5
60°-70°	1076.6	23.4
70°-80°	511.9	11.1
80°-90°	37.1	0.8
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°	4598.0	100.0
0°-180°	4598.0	100.0

Coefficient of Utilization



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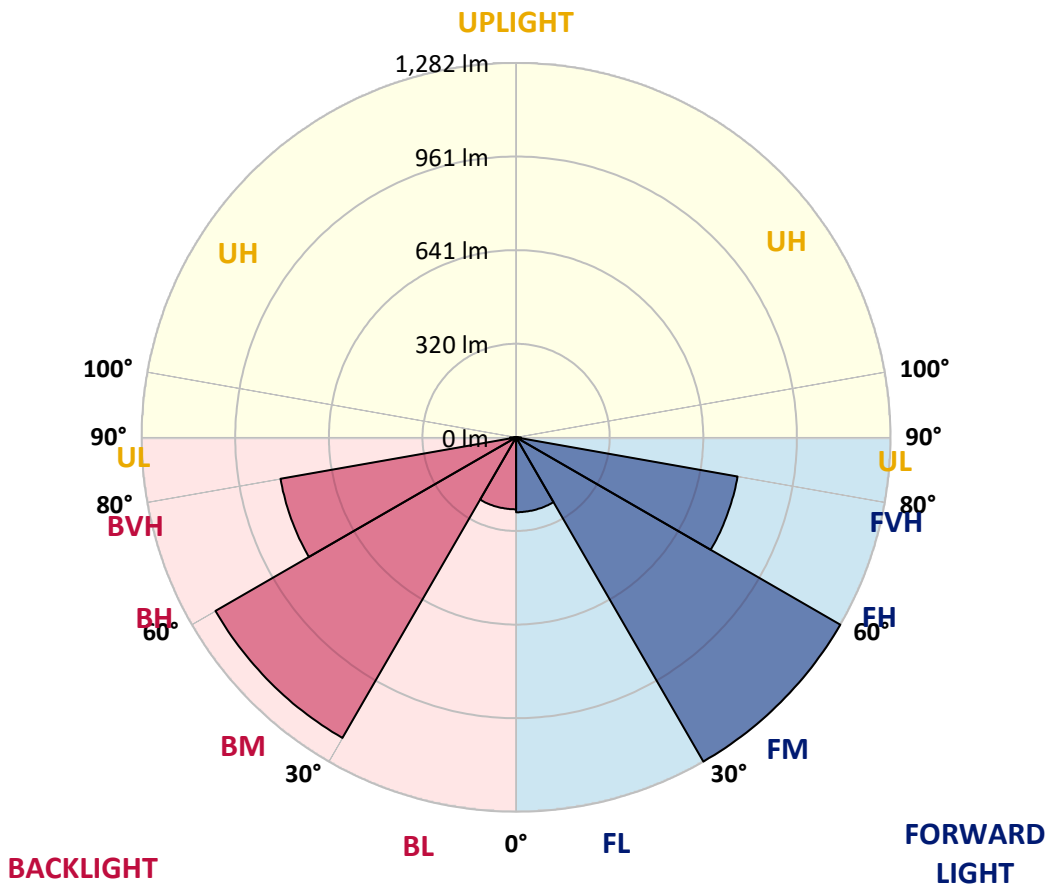
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.4	5.6			
FM (30°-60°)	1281.5	27.9			
FH (60°-80°)	769.8	16.7			G1/1800
FVH (80°-90°)	16.7	0.4			G1/100
BL (0°-30°)	246.4	5.4	B1/500		
BM (30°-60°)	1188.1	25.8	B2/2500		
BH (60°-80°)	818.7	17.8	B2/1000		G2/1000
BVH (80°-90°)	20.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6
2.5°	456.0	456.6	457.6	459.5	461.4	464.3	467.2	466.9	468.1	469.1	470.1
5°	453.4	454.0	455.6	458.2	461.1	465.9	472.0	474.5	476.5	480.0	483.2
7.5°	458.8	460.1	462.4	465.9	470.4	476.5	484.8	489.3	492.1	498.6	504.0
10°	466.2	467.8	472.3	479.0	485.7	495.0	505.6	512.3	514.2	522.6	532.8
12.5°	473.3	475.2	482.5	494.7	506.9	519.4	531.9	540.2	540.8	552.0	563.6
15°	484.5	486.1	496.0	511.7	530.3	547.5	562.9	568.7	571.2	579.2	593.7
17.5°	509.1	511.0	523.8	540.8	560.4	578.6	594.0	598.8	598.8	605.5	617.3
20°	535.7	537.6	554.6	576.4	600.1	618.6	630.5	626.0	624.4	626.3	634.6
22.5°	565.5	569.0	585.3	610.6	639.8	662.5	668.6	655.1	650.6	646.2	648.1
25°	603.6	607.7	623.8	650.6	679.1	703.2	706.7	685.9	683.3	667.6	661.9
27.5°	647.4	650.6	670.5	697.1	723.7	743.8	747.7	722.1	713.4	691.6	678.2
30°	704.1	707.0	724.3	750.6	773.6	787.7	792.5	757.3	750.6	717.3	696.4
32.5°	765.9	767.2	784.8	810.1	830.6	844.1	837.3	796.3	786.4	749.0	720.5
35°	836.7	836.7	859.4	879.9	896.2	900.1	887.3	840.5	829.0	788.3	752.8
37.5°	906.2	908.1	929.2	953.6	968.0	967.3	944.0	892.7	879.6	835.4	796.0
40°	981.4	985.6	1006.7	1033.9	1047.7	1045.8	1009.9	952.9	939.5	887.3	848.9
42.5°	1050.6	1057.3	1082.0	1109.8	1124.9	1123.6	1086.1	1022.1	1009.0	950.0	911.6
45°	1105.7	1112.7	1143.4	1182.2	1206.2	1204.0	1166.2	1093.8	1077.8	1016.0	973.7
47.5°	1154.0	1161.4	1195.6	1236.6	1274.7	1278.6	1244.0	1166.2	1149.2	1086.8	1039.1
50°	1191.1	1194.7	1233.1	1277.9	1322.1	1343.6	1313.5	1238.9	1218.4	1156.6	1102.8
52.5°	1188.3	1193.1	1240.5	1301.3	1360.5	1395.8	1374.9	1307.4	1287.5	1220.3	1167.8
55°	1129.7	1134.5	1190.8	1279.5	1382.0	1433.9	1431.6	1372.7	1358.3	1285.3	1235.3
57.5°	1044.2	1054.7	1110.8	1206.5	1353.8	1464.3	1473.2	1432.3	1417.2	1349.0	1302.3
60°	891.1	905.2	969.9	1094.1	1263.5	1454.0	1517.8	1482.5	1473.2	1408.2	1362.8
62.5°	647.4	657.7	743.8	906.8	1129.7	1381.0	1555.2	1534.4	1527.4	1461.4	1417.5
65°	387.8	411.1	480.3	641.4	911.3	1243.3	1534.7	1602.3	1594.9	1516.2	1464.3
67.5°	196.3	206.9	234.1	347.7	612.9	1028.8	1431.9	1644.6	1653.5	1562.9	1480.9
70°	121.7	124.6	132.2	171.6	306.1	675.9	1171.0	1534.4	1578.3	1555.5	1437.7
72.5°	97.7	98.3	99.6	106.9	147.0	316.0	740.3	1201.7	1280.8	1452.8	1375.9
75°	81.0	81.3	81.7	83.9	91.6	129.0	360.2	825.8	918.3	1234.7	1275.7
77.5°	65.0	63.4	64.7	65.6	67.6	72.0	124.2	440.6	534.4	810.4	986.5
80°	42.3	41.6	44.2	45.1	47.1	50.0	66.3	149.5	181.6	294.9	313.8
82.5°	22.7	21.5	26.9	25.9	26.9	29.1	39.1	54.8	61.5	89.0	75.2
85°	7.0	7.0	7.4	8.6	10.6	10.2	17.0	26.9	29.8	38.1	28.2
87.5°	1.3	1.3	1.3	1.3	1.3	1.6	3.5	5.4	7.4	13.1	9.9
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°	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6	465.6
2.5°	472.0	469.1	470.7	471.7	471.3	470.7	467.5	466.9	465.3	462.7	462.1
5°	486.1	482.9	483.2	482.2	479.0	474.9	467.8	464.3	461.4	458.2	457.9
7.5°	508.2	504.6	503.7	499.2	490.2	480.6	469.4	463.0	458.2	454.0	453.4
10°	536.3	532.8	529.6	519.0	504.3	491.5	476.8	467.5	460.4	455.3	454.4
12.5°	567.7	564.8	556.8	541.5	523.8	508.8	493.8	482.2	472.0	464.3	463.3
15°	602.6	596.2	584.0	564.2	547.5	535.4	517.1	501.4	485.1	474.9	472.6
17.5°	627.0	621.5	607.1	587.9	574.8	564.2	542.7	520.3	498.2	483.2	480.0
20°	644.2	638.5	622.2	608.1	603.9	594.9	570.0	544.0	518.4	499.8	495.7
22.5°	656.7	650.6	634.0	627.0	632.7	631.1	606.8	577.3	546.9	524.8	519.7
25°	668.6	662.8	648.1	650.6	666.0	670.8	644.6	610.3	575.7	549.8	543.7
27.5°	679.8	672.4	665.7	679.8	701.6	710.5	682.7	643.9	606.5	579.9	575.1
30°	697.1	688.4	687.5	708.0	742.5	750.2	719.5	680.7	643.6	616.7	610.6
32.5°	718.9	710.8	711.5	742.2	782.3	788.7	762.4	726.2	689.1	662.2	653.9
35°	748.3	738.4	743.8	781.6	822.0	833.8	812.7	782.6	746.4	718.9	709.6
37.5°	789.0	774.6	785.8	825.5	866.1	883.8	867.4	845.0	809.1	781.3	772.6
40°	840.8	829.0	833.5	877.4	919.3	940.4	930.2	908.1	872.5	843.4	833.5
42.5°	902.3	890.5	888.9	935.6	977.6	1009.6	999.7	979.5	942.7	909.4	899.8
45°	962.5	951.6	953.9	1001.6	1048.7	1083.6	1073.6	1049.9	1009.9	971.5	963.8
47.5°	1025.3	1016.3	1018.2	1068.8	1120.7	1155.6	1143.1	1114.3	1067.6	1026.6	1017.3
50°	1089.6	1079.4	1082.3	1135.4	1191.5	1224.5	1205.2	1162.7	1111.1	1071.1	1063.1
52.5°	1153.7	1141.5	1148.9	1199.2	1257.1	1283.4	1247.8	1196.3	1146.3	1106.6	1097.7
55°	1227.3	1214.5	1206.5	1260.3	1317.6	1328.5	1279.8	1219.6	1160.4	1115.3	1109.8
57.5°	1294.6	1283.7	1268.6	1322.4	1364.7	1356.7	1304.5	1213.2	1126.1	1068.2	1060.5
60°	1354.8	1345.5	1332.4	1378.1	1397.4	1379.4	1284.6	1137.4	1041.6	981.1	977.6
62.5°	1410.2	1400.2	1388.1	1427.1	1424.6	1383.0	1194.4	1020.8	892.7	827.7	822.0
65°	1454.0	1445.1	1441.5	1472.3	1468.1	1314.1	1053.8	830.0	652.3	578.9	576.7
67.5°	1466.5	1463.0	1481.9	1534.1	1469.1	1175.8	826.4	550.4	350.3	280.8	276.7
70°	1419.8	1419.5	1473.6	1548.2	1335.9	898.2	487.7	248.2	176.1	156.3	153.7
72.5°	1358.9	1358.0	1400.9	1335.6	990.7	491.5	205.2	132.9	110.1	104.7	104.7
75°	1259.0	1256.5	1288.8	1016.0	557.2	185.1	108.9	91.3	86.5	85.5	85.5
77.5°	1026.2	1004.8	953.9	627.9	194.4	90.9	72.0	71.7	68.8	68.5	68.5
80°	337.5	337.5	392.2	239.5	85.8	56.0	50.9	53.5	50.6	48.7	48.4
82.5°	55.1	75.9	107.9	68.5	46.4	34.9	31.4	33.3	34.9	27.9	27.9
85°	21.8	28.5	41.6	32.0	21.5	14.1	15.0	16.7	14.7	12.8	12.5
87.5°	8.3	10.2	14.7	7.7	4.5	2.6	1.6	1.6	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)