

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: P629888

Luminaire Tested: GWS-SA1C-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629888
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-SA1C-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5061.4 lumens
Efficiency: N/A
Efficacy: 148.4 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): 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

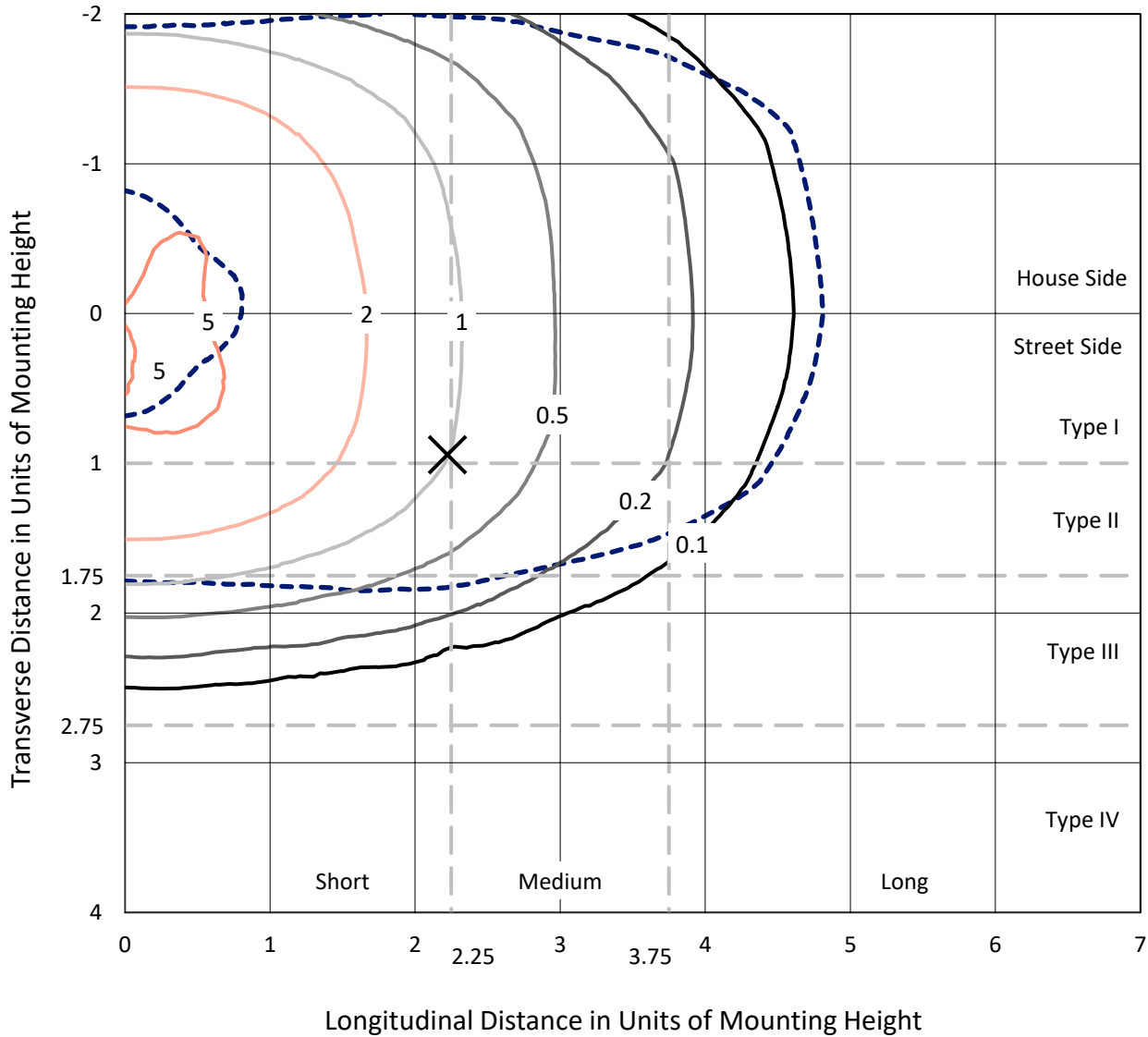


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Iso-Footcandle Lines of Horizontal Illumination

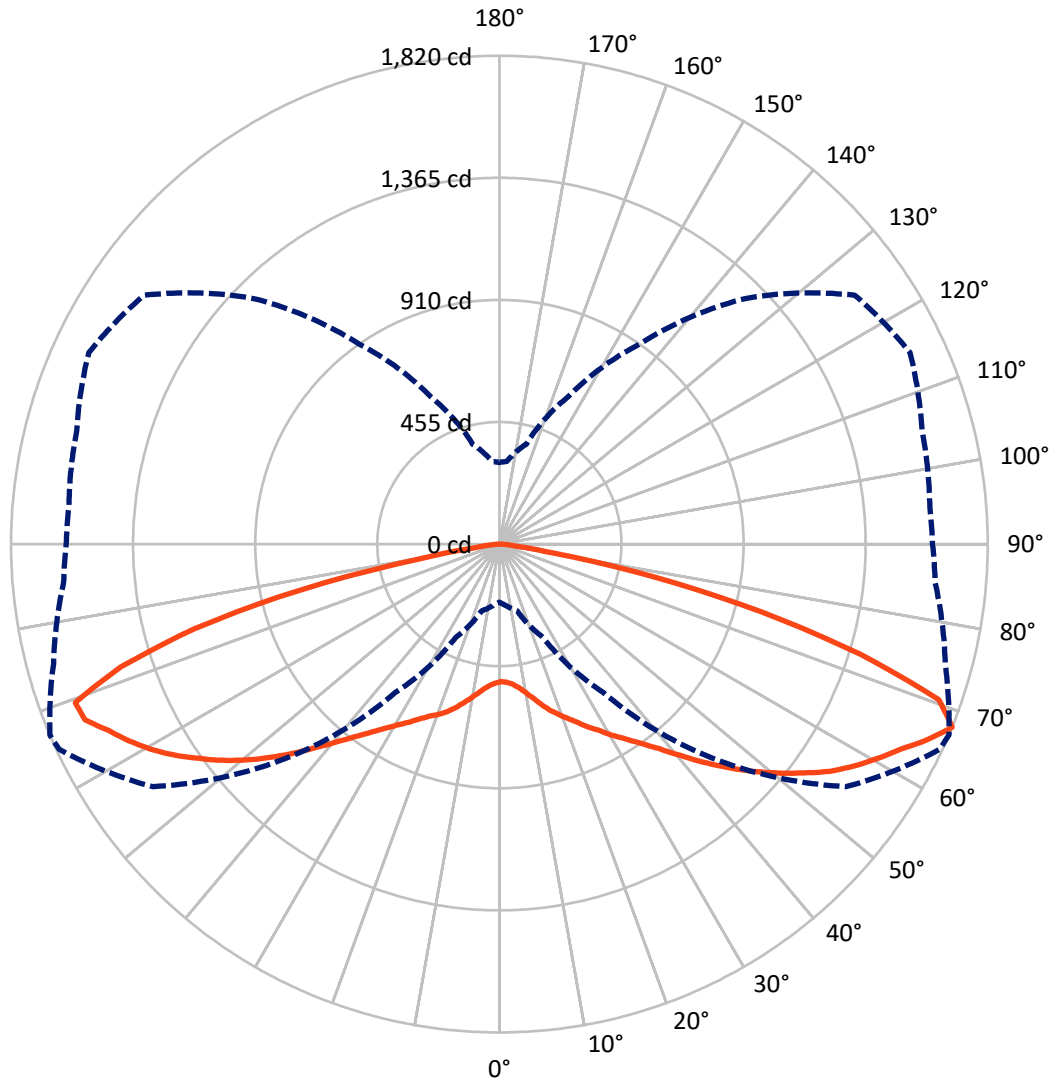
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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	2502.8	0.0	2502.8
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	2558.6	0.0	2558.6
	% Fixture	50.6	0.0	50.6
Total	Lumens	5061.4	0.0	5061.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.3	1.0
10°-20°	169.9	3.4
20°-30°	333.3	6.6
30°-40°	567.8	11.2
40°-50°	911.8	18.0
50°-60°	1238.9	24.5
60°-70°	1185.1	23.4
70°-80°	563.5	11.1
80°-90°	40.8	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°	5061.4	100.0
0°-180°	5061.4	100.0

Coefficient of Utilization



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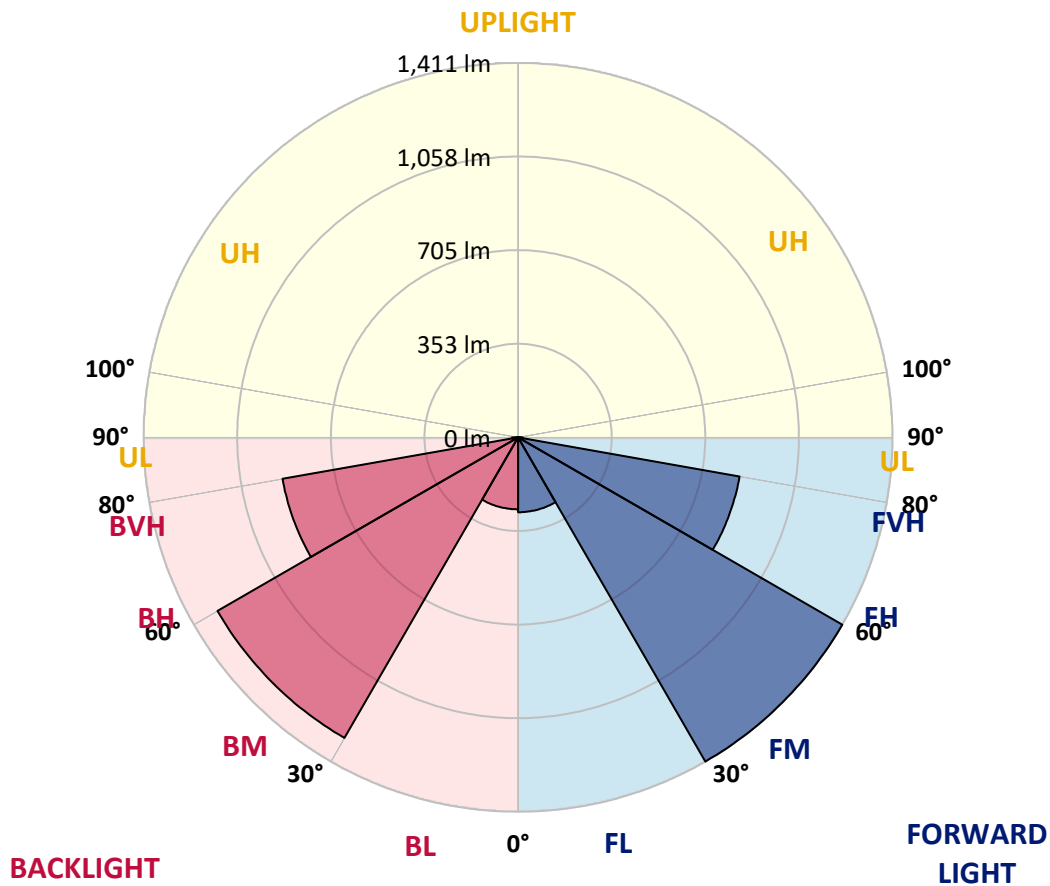
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.2	5.6			
FM (30°-60°)	1410.7	27.9			
FH (60°-80°)	847.4	16.7			G1/1800
FVH (80°-90°)	18.4	0.4			G1/100
BL (0°-30°)	271.2	5.4	B1/500		
BM (30°-60°)	1307.9	25.8	B2/2500		
BH (60°-80°)	901.2	17.8	B2/1000		G2/1000
BVH (80°-90°)	22.5	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°	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5
2.5°	501.9	502.6	503.7	505.8	507.9	511.1	514.3	513.9	515.3	516.4	517.4
5°	499.1	499.8	501.6	504.4	507.6	512.8	519.5	522.4	524.5	528.4	531.9
7.5°	505.1	506.5	509.0	512.8	517.8	524.5	533.6	538.6	541.8	548.8	554.8
10°	513.2	515.0	519.9	527.3	534.7	544.9	556.6	564.0	566.1	575.2	586.5
12.5°	521.0	523.1	531.2	544.6	558.0	571.7	585.5	594.6	595.3	607.7	620.4
15°	533.3	535.1	546.0	563.3	583.7	602.7	619.6	626.0	628.8	637.6	653.5
17.5°	560.4	562.5	576.6	595.3	616.8	636.9	653.8	659.1	659.1	666.5	679.6
20°	589.7	591.8	610.5	634.5	660.5	681.0	694.0	689.1	687.3	689.4	698.6
22.5°	622.5	626.3	644.3	672.2	704.2	729.3	736.0	721.2	716.2	711.3	713.4
25°	664.4	669.0	686.6	716.2	747.6	774.0	777.9	755.0	752.2	734.9	728.6
27.5°	712.7	716.2	738.1	767.3	796.6	818.8	823.0	794.8	785.3	761.3	746.5
30°	775.1	778.3	797.3	826.2	851.6	867.1	872.4	833.6	826.2	789.5	766.6
32.5°	843.1	844.5	863.9	891.8	914.3	929.1	921.7	876.6	865.7	824.4	793.1
35°	921.0	921.0	946.0	968.6	986.6	990.8	976.7	925.2	912.6	867.8	828.7
37.5°	997.5	999.6	1022.9	1049.7	1065.5	1064.8	1039.1	982.7	968.2	919.6	876.2
40°	1080.3	1084.9	1108.2	1138.1	1153.3	1151.2	1111.7	1049.0	1034.2	976.7	934.4
42.5°	1156.5	1163.9	1191.0	1221.7	1238.2	1236.8	1195.6	1125.1	1110.6	1045.8	1003.5
45°	1217.1	1224.8	1258.7	1301.3	1327.8	1325.3	1283.7	1204.0	1186.4	1118.4	1071.9
47.5°	1270.3	1278.4	1316.1	1361.2	1403.2	1407.4	1369.4	1283.7	1265.0	1196.3	1143.8
50°	1311.2	1315.1	1357.4	1406.7	1455.4	1479.0	1445.8	1363.7	1341.2	1273.1	1213.9
52.5°	1308.0	1313.3	1365.5	1432.4	1497.7	1536.4	1513.5	1439.1	1417.3	1343.3	1285.5
55°	1243.5	1248.8	1310.8	1408.5	1521.3	1578.4	1575.9	1511.0	1495.2	1414.8	1359.8
57.5°	1149.4	1161.0	1222.7	1328.1	1490.3	1611.9	1621.7	1576.6	1560.0	1485.0	1433.5
60°	980.9	996.4	1067.6	1204.4	1390.9	1600.6	1670.7	1631.9	1621.7	1550.2	1500.1
62.5°	712.7	724.0	818.8	998.2	1243.5	1520.2	1712.0	1689.0	1681.3	1608.7	1560.4
65°	426.8	452.6	528.7	706.0	1003.1	1368.7	1689.4	1763.8	1755.7	1669.0	1611.9
67.5°	216.1	227.7	257.7	382.8	674.6	1132.5	1576.3	1810.3	1820.2	1720.4	1630.2
70°	133.9	137.1	145.6	188.9	337.0	744.1	1289.0	1689.0	1737.3	1712.3	1582.6
72.5°	107.5	108.2	109.6	117.7	161.8	347.9	814.9	1322.8	1409.9	1599.2	1514.6
75°	89.2	89.5	89.9	92.3	100.8	142.0	396.5	909.0	1010.9	1359.1	1404.3
77.5°	71.6	69.8	71.2	72.3	74.4	79.3	136.8	485.0	588.3	892.1	1086.0
80°	46.5	45.8	48.6	49.7	51.8	55.0	73.0	164.6	199.9	324.6	345.4
82.5°	25.0	23.6	29.6	28.6	29.6	32.1	43.0	60.3	67.7	98.0	82.8
85°	7.8	7.8	8.1	9.5	11.6	11.3	18.7	29.6	32.8	41.9	31.0
87.5°	1.4	1.4	1.4	1.4	1.4	1.8	3.9	6.0	8.1	14.5	10.9
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°	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5	512.5
2.5°	519.5	516.4	518.1	519.2	518.8	518.1	514.6	513.9	512.1	509.3	508.6
5°	535.1	531.5	531.9	530.8	527.3	522.7	515.0	511.1	507.9	504.4	504.0
7.5°	559.4	555.5	554.4	549.5	539.6	529.1	516.7	509.7	504.4	499.8	499.1
10°	590.4	586.5	583.0	571.4	555.1	541.0	524.8	514.6	506.9	501.2	500.2
12.5°	624.9	621.8	612.9	596.0	576.6	560.1	543.5	530.8	519.5	511.1	510.0
15°	663.4	656.3	642.9	621.1	602.7	589.3	569.2	552.0	534.0	522.7	520.2
17.5°	690.1	684.1	668.3	647.1	632.7	621.1	597.4	572.8	548.4	531.9	528.4
20°	709.2	702.8	684.9	669.3	664.8	654.9	627.4	598.9	570.7	550.2	545.6
22.5°	722.9	716.2	697.9	690.1	696.5	694.7	667.9	635.5	602.0	577.7	572.1
25°	736.0	729.6	713.4	716.2	733.1	738.4	709.5	671.8	633.7	605.2	598.5
27.5°	748.3	740.2	732.8	748.3	772.3	782.1	751.5	708.8	667.6	638.3	633.0
30°	767.3	757.8	756.8	779.3	817.4	825.8	792.0	749.4	708.5	678.9	672.2
32.5°	791.3	782.5	783.2	817.0	861.1	868.1	839.2	799.4	758.5	728.9	719.7
35°	823.7	812.8	818.8	860.4	904.8	917.8	894.6	861.4	821.6	791.3	781.1
37.5°	868.5	852.6	865.0	908.7	953.4	972.8	954.8	930.2	890.7	860.0	850.5
40°	925.6	912.6	917.5	965.8	1011.9	1035.2	1023.9	999.6	960.5	928.4	917.5
42.5°	993.3	980.2	978.5	1029.9	1076.1	1111.3	1100.4	1078.2	1037.7	1001.0	990.4
45°	1059.5	1047.5	1050.0	1102.5	1154.3	1192.8	1181.8	1155.8	1111.7	1069.4	1060.9
47.5°	1128.6	1118.7	1120.9	1176.6	1233.7	1272.1	1258.3	1226.6	1175.1	1130.0	1119.8
50°	1199.5	1188.2	1191.4	1249.9	1311.6	1347.9	1326.7	1279.8	1223.1	1179.0	1170.2
52.5°	1270.0	1256.6	1264.7	1320.0	1383.8	1412.7	1373.6	1316.8	1261.9	1218.1	1208.3
55°	1351.0	1336.9	1328.1	1387.3	1450.4	1462.4	1408.8	1342.6	1277.4	1227.7	1221.7
57.5°	1425.0	1413.1	1396.5	1455.7	1502.2	1493.4	1436.0	1335.5	1239.6	1175.8	1167.4
60°	1491.3	1481.1	1466.6	1517.0	1538.2	1518.5	1414.1	1252.0	1146.6	1080.0	1076.1
62.5°	1552.3	1541.4	1528.0	1571.0	1568.1	1522.3	1314.7	1123.7	982.7	911.1	904.8
65°	1600.6	1590.7	1586.8	1620.7	1616.1	1446.5	1160.0	913.6	718.0	637.3	634.8
67.5°	1614.3	1610.4	1631.2	1688.7	1617.1	1294.3	909.7	605.9	385.6	309.1	304.5
70°	1562.9	1562.5	1622.1	1704.2	1470.5	988.7	536.8	273.2	193.9	172.0	169.2
72.5°	1495.9	1494.8	1542.1	1470.2	1090.5	541.0	225.9	146.3	121.3	115.3	115.3
75°	1385.9	1383.1	1418.7	1118.4	613.3	203.7	119.8	100.5	95.2	94.1	94.1
77.5°	1129.7	1106.1	1050.0	691.2	214.0	100.1	79.3	79.0	75.8	75.4	75.4
80°	371.5	371.5	431.8	263.6	94.5	61.7	56.0	58.9	55.7	53.6	53.2
82.5°	60.6	83.5	118.8	75.4	51.1	38.4	34.5	36.7	38.4	30.7	30.7
85°	24.0	31.4	45.8	35.2	23.6	15.5	16.6	18.3	16.2	14.1	13.7
87.5°	9.2	11.3	16.2	8.5	4.9	2.8	1.8	1.8	1.4	1.4	1.4
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)