

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: P629780

Luminaire Tested: GWS-SA1C-735-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629780
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-735-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4880.2 lumens
Efficiency: N/A
Efficacy: 143.1 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

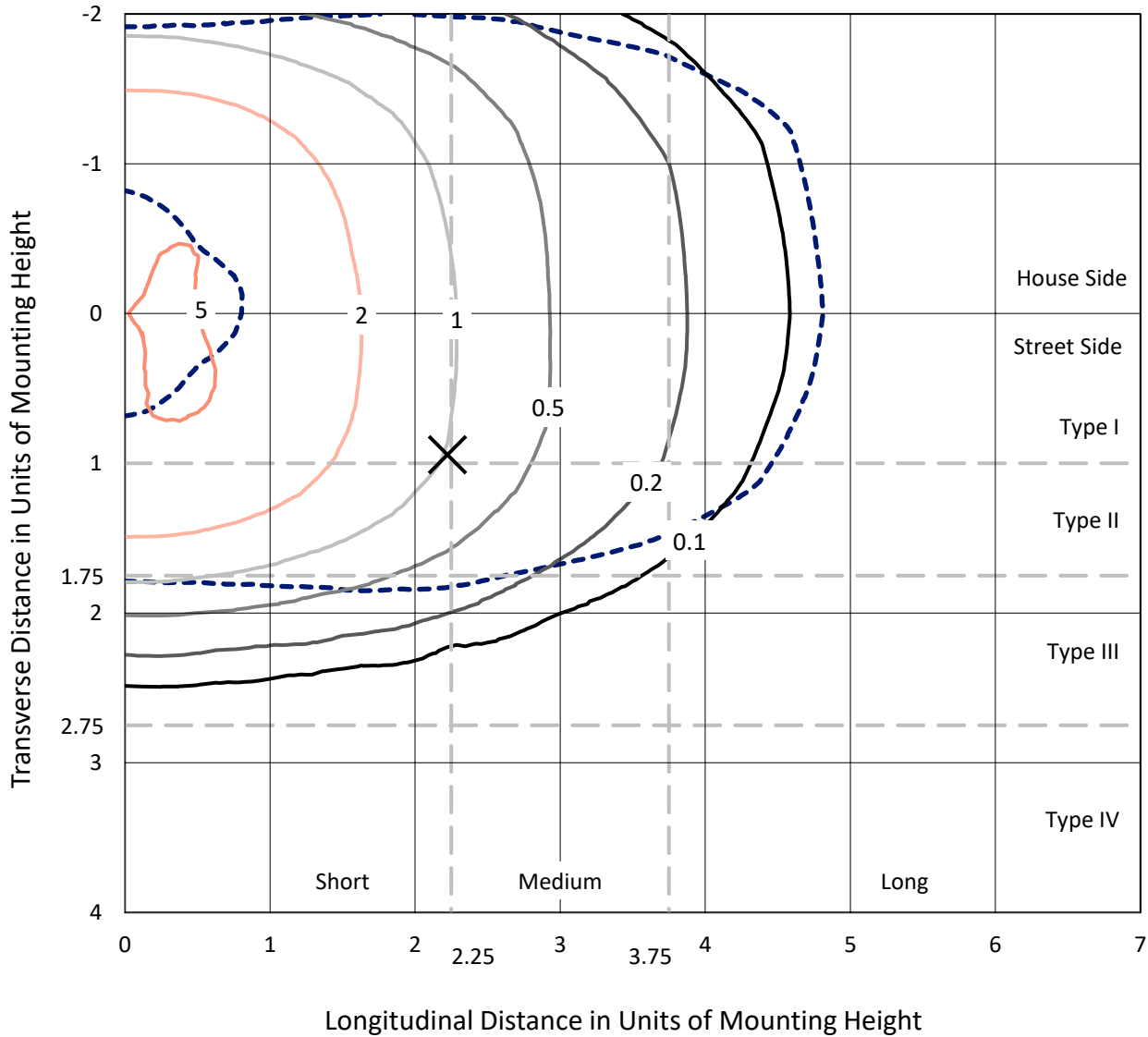
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

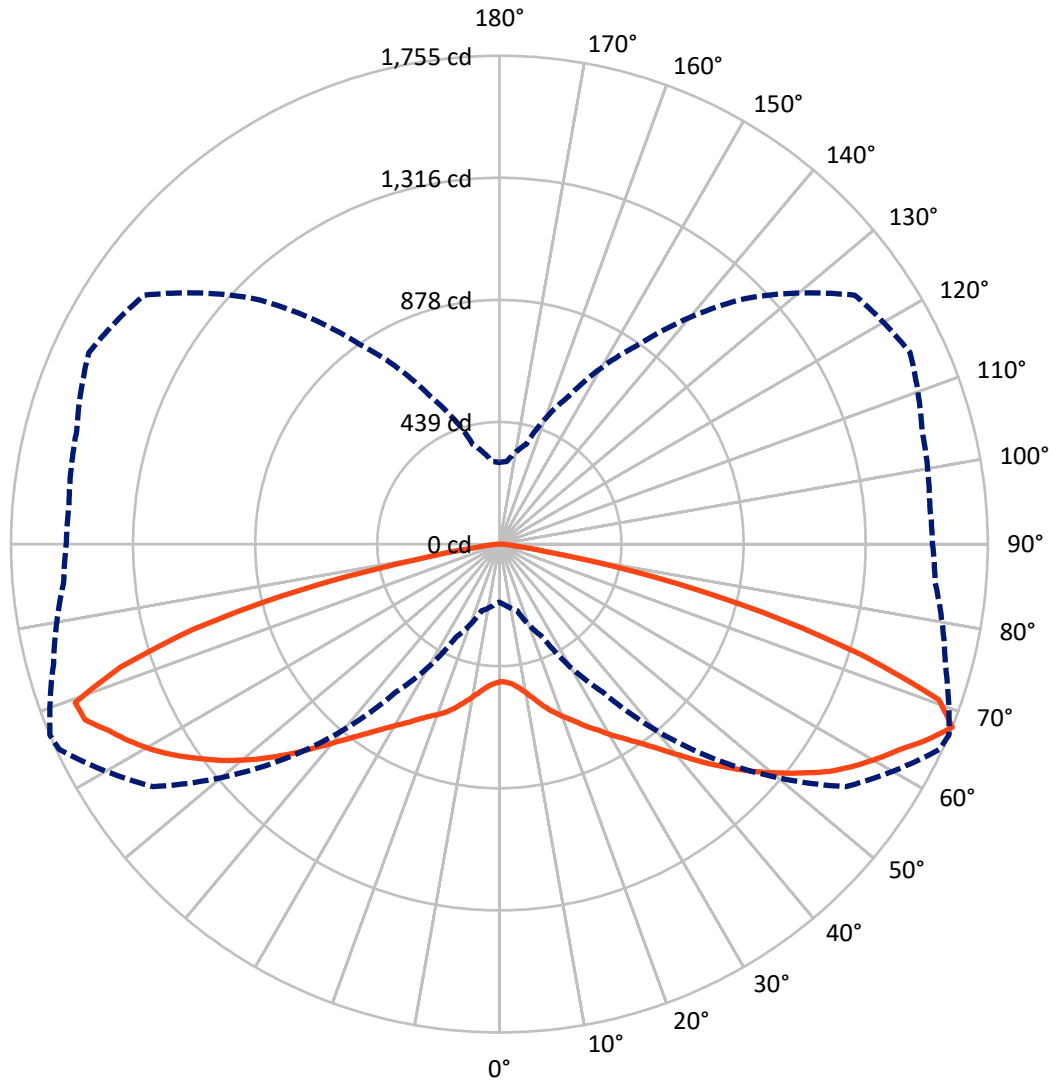
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 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	2413.2	0.0	2413.2
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	2467.0	0.0	2467.0
	% Fixture	50.6	0.0	50.6
Total	Lumens	4880.2	0.0	4880.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.0
10°-20°	163.8	3.4
20°-30°	321.4	6.6
30°-40°	547.5	11.2
40°-50°	879.1	18.0
50°-60°	1194.6	24.5
60°-70°	1142.7	23.4
70°-80°	543.3	11.1
80°-90°	39.4	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°	4880.2	100.0
0°-180°	4880.2	100.0

Coefficient of Utilization



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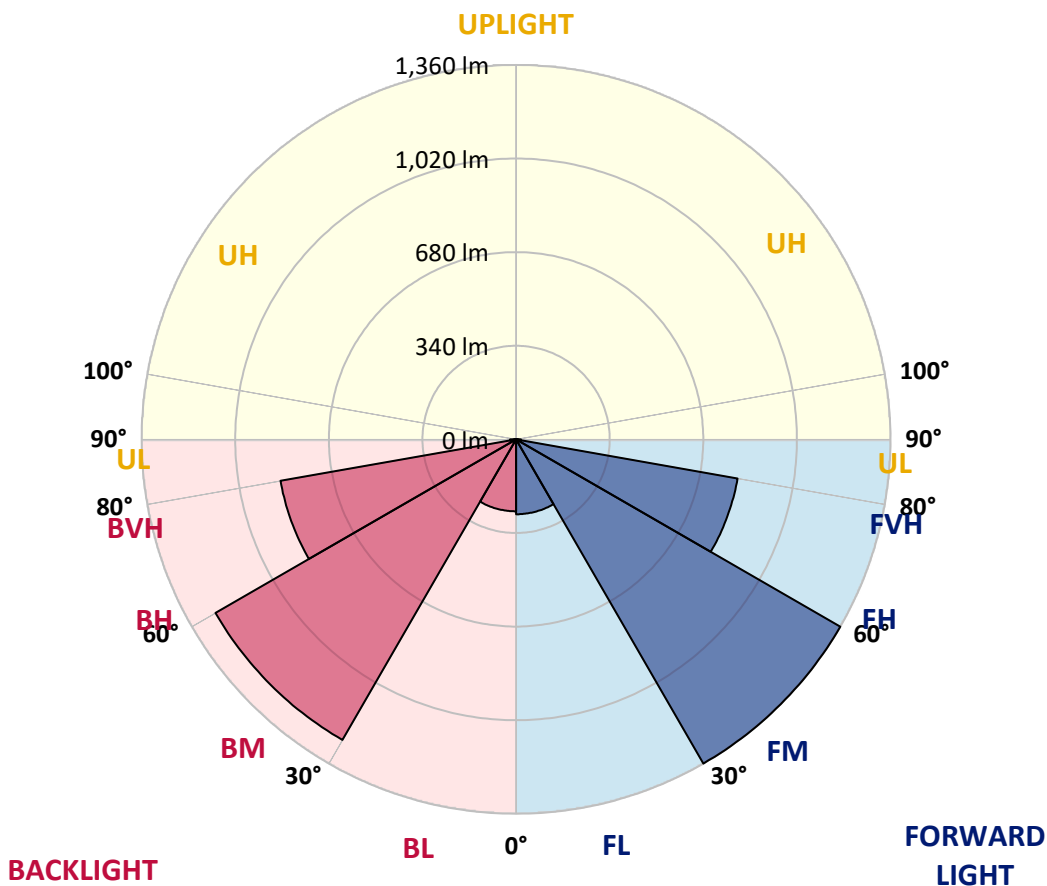
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.1	5.6			
FM (30°-60°)	1360.2	27.9			
FH (60°-80°)	817.1	16.7			G1/1800
FVH (80°-90°)	17.7	0.4			G1/100
BL (0°-30°)	261.5	5.4	B1/500		
BM (30°-60°)	1261.1	25.8	B2/2500		
BH (60°-80°)	868.9	17.8	B2/1000		G2/1000
BVH (80°-90°)	21.7	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°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1
2.5°	484.0	484.6	485.7	487.7	489.7	492.8	495.8	495.5	496.9	497.9	498.9
5°	481.2	481.9	483.6	486.3	489.4	494.5	500.9	503.7	505.7	509.4	512.8
7.5°	487.0	488.4	490.7	494.5	499.2	505.7	514.5	519.3	522.4	529.2	534.9
10°	494.8	496.5	501.3	508.4	515.6	525.4	536.6	543.8	545.8	554.6	565.5
12.5°	502.3	504.3	512.2	525.1	538.0	551.2	564.5	573.3	574.0	585.9	598.1
15°	514.2	515.9	526.4	543.1	562.8	581.2	597.5	603.6	606.3	614.8	630.1
17.5°	540.4	542.4	556.0	574.0	594.7	614.1	630.4	635.5	635.5	642.7	655.2
20°	568.6	570.6	588.6	611.7	636.9	656.6	669.2	664.4	662.7	664.8	673.6
22.5°	600.2	603.9	621.3	648.1	679.0	703.2	709.6	695.3	690.6	685.8	687.9
25°	640.6	645.0	662.0	690.6	720.8	746.3	750.1	728.0	725.2	708.6	702.5
27.5°	687.2	690.6	711.7	739.9	768.1	789.5	793.6	766.4	757.2	734.1	719.8
30°	747.3	750.4	768.7	796.6	821.1	836.0	841.1	803.8	796.6	761.3	739.2
32.5°	812.9	814.3	833.0	859.8	881.6	895.9	888.7	845.2	834.7	794.9	764.7
35°	888.0	888.0	912.2	933.9	951.3	955.3	941.7	892.1	879.9	836.7	799.0
37.5°	961.8	963.8	986.3	1012.1	1027.4	1026.7	1001.9	947.5	933.6	886.7	844.9
40°	1041.7	1046.1	1068.5	1097.4	1112.0	1110.0	1071.9	1011.4	997.1	941.7	901.0
42.5°	1115.1	1122.2	1148.4	1177.9	1193.9	1192.5	1152.8	1084.8	1070.9	1008.3	967.6
45°	1173.5	1181.0	1213.6	1254.7	1280.2	1277.9	1237.7	1160.9	1143.9	1078.4	1033.5
47.5°	1224.8	1232.6	1269.0	1312.5	1353.0	1357.0	1320.3	1237.7	1219.7	1153.5	1102.8
50°	1264.3	1268.0	1308.8	1356.4	1403.3	1426.0	1394.1	1314.9	1293.1	1227.6	1170.5
52.5°	1261.2	1266.3	1316.6	1381.2	1444.0	1481.4	1459.3	1387.6	1366.6	1295.2	1239.4
55°	1199.0	1204.1	1263.9	1358.1	1466.8	1521.9	1519.5	1457.0	1441.7	1364.2	1311.2
57.5°	1108.3	1119.5	1179.0	1280.6	1436.9	1554.2	1563.7	1520.2	1504.2	1431.8	1382.2
60°	945.8	960.8	1029.4	1161.3	1341.1	1543.3	1610.9	1573.5	1563.7	1494.7	1446.4
62.5°	687.2	698.1	789.5	962.5	1199.0	1465.8	1650.7	1628.6	1621.1	1551.1	1504.5
65°	411.6	436.4	509.8	680.7	967.2	1319.7	1628.9	1700.6	1692.8	1609.2	1554.2
67.5°	208.3	219.5	248.4	369.1	650.5	1092.0	1519.8	1745.5	1755.0	1658.8	1571.8
70°	129.1	132.2	140.4	182.2	324.9	717.4	1242.8	1628.6	1675.1	1651.0	1525.9
72.5°	103.7	104.3	105.7	113.5	156.0	335.4	785.7	1275.5	1359.4	1541.9	1460.4
75°	86.0	86.3	86.7	89.0	97.2	137.0	382.3	876.5	974.7	1310.5	1354.0
77.5°	69.0	67.3	68.7	69.7	71.7	76.5	131.9	467.6	567.2	860.2	1047.1
80°	44.9	44.2	46.9	47.9	50.0	53.0	70.3	158.7	192.7	313.0	333.1
82.5°	24.1	22.8	28.5	27.5	28.5	30.9	41.5	58.1	65.3	94.5	79.9
85°	7.5	7.5	7.8	9.2	11.2	10.9	18.0	28.5	31.6	40.4	29.9
87.5°	1.4	1.4	1.4	1.4	1.4	1.7	3.7	5.8	7.8	13.9	10.5
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°	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1	494.1
2.5°	500.9	497.9	499.6	500.6	500.3	499.6	496.2	495.5	493.8	491.1	490.4
5°	515.9	512.5	512.8	511.8	508.4	504.0	496.5	492.8	489.7	486.3	486.0
7.5°	539.3	535.6	534.6	529.8	520.3	510.1	498.2	491.4	486.3	481.9	481.2
10°	569.3	565.5	562.1	550.9	535.3	521.7	506.0	496.2	488.7	483.3	482.3
12.5°	602.6	599.5	591.0	574.7	556.0	540.0	524.1	511.8	500.9	492.8	491.8
15°	639.6	632.8	619.9	598.8	581.2	568.2	548.9	532.2	514.9	504.0	501.6
17.5°	665.4	659.7	644.4	624.0	610.0	598.8	576.1	552.3	528.8	512.8	509.4
20°	683.8	677.7	660.3	645.4	641.0	631.4	604.9	577.4	550.2	530.5	526.1
22.5°	697.0	690.6	672.9	665.4	671.6	669.9	644.0	612.8	580.5	557.0	551.6
25°	709.6	703.5	687.9	690.6	706.9	712.0	684.1	647.8	611.1	583.5	577.1
27.5°	721.5	713.7	706.6	721.5	744.6	754.1	724.6	683.4	643.7	615.5	610.4
30°	739.9	730.7	729.7	751.4	788.1	796.3	763.7	722.5	683.1	654.6	648.1
32.5°	763.0	754.5	755.2	787.8	830.3	837.1	809.2	770.8	731.4	702.8	694.0
35°	794.2	783.7	789.5	829.6	872.4	885.0	862.5	830.6	792.2	763.0	753.1
37.5°	837.4	822.1	834.0	876.1	919.3	938.0	920.7	896.9	858.8	829.2	820.1
40°	892.5	879.9	884.6	931.2	975.7	998.2	987.3	963.8	926.1	895.2	884.6
42.5°	957.7	945.1	943.4	993.1	1037.6	1071.6	1061.0	1039.6	1000.5	965.2	955.0
45°	1021.6	1010.0	1012.4	1063.1	1113.0	1150.1	1139.5	1114.4	1071.9	1031.1	1023.0
47.5°	1088.2	1078.7	1080.7	1134.4	1189.5	1226.5	1213.3	1182.7	1133.1	1089.6	1079.7
50°	1156.5	1145.6	1148.7	1205.1	1264.6	1299.6	1279.2	1234.0	1179.3	1136.8	1128.3
52.5°	1224.5	1211.6	1219.4	1272.8	1334.3	1362.1	1324.4	1269.7	1216.7	1174.5	1165.0
55°	1302.7	1289.1	1280.6	1337.7	1398.5	1410.1	1358.4	1294.5	1231.6	1183.7	1177.9
57.5°	1374.0	1362.5	1346.5	1403.6	1448.5	1440.0	1384.6	1287.7	1195.3	1133.8	1125.6
60°	1437.9	1428.1	1414.1	1462.7	1483.1	1464.1	1363.5	1207.2	1105.5	1041.3	1037.6
62.5°	1496.7	1486.2	1473.3	1514.7	1512.0	1467.8	1267.7	1083.5	947.5	878.5	872.4
65°	1543.3	1533.8	1530.0	1562.6	1558.2	1394.8	1118.5	880.9	692.3	614.5	612.1
67.5°	1556.5	1552.8	1572.8	1628.2	1559.2	1247.9	877.2	584.2	371.8	298.1	293.6
70°	1506.9	1506.6	1564.0	1643.2	1417.9	953.3	517.6	263.4	186.9	165.8	163.1
72.5°	1442.3	1441.3	1486.9	1417.5	1051.5	521.7	217.8	141.0	116.9	111.1	111.1
75°	1336.3	1333.6	1367.9	1078.4	591.3	196.4	115.6	96.9	91.8	90.7	90.7
77.5°	1089.2	1066.5	1012.4	666.5	206.3	96.5	76.5	76.1	73.1	72.7	72.7
80°	358.2	358.2	416.3	254.2	91.1	59.5	54.0	56.8	53.7	51.7	51.3
82.5°	58.5	80.5	114.5	72.7	49.3	37.0	33.3	35.3	37.0	29.6	29.6
85°	23.1	30.2	44.2	34.0	22.8	15.0	16.0	17.7	15.6	13.6	13.3
87.5°	8.8	10.9	15.6	8.2	4.8	2.7	1.7	1.7	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)