

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: P629834

Luminaire Tested: GWS-SA1C-740-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-740-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4237.2 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

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

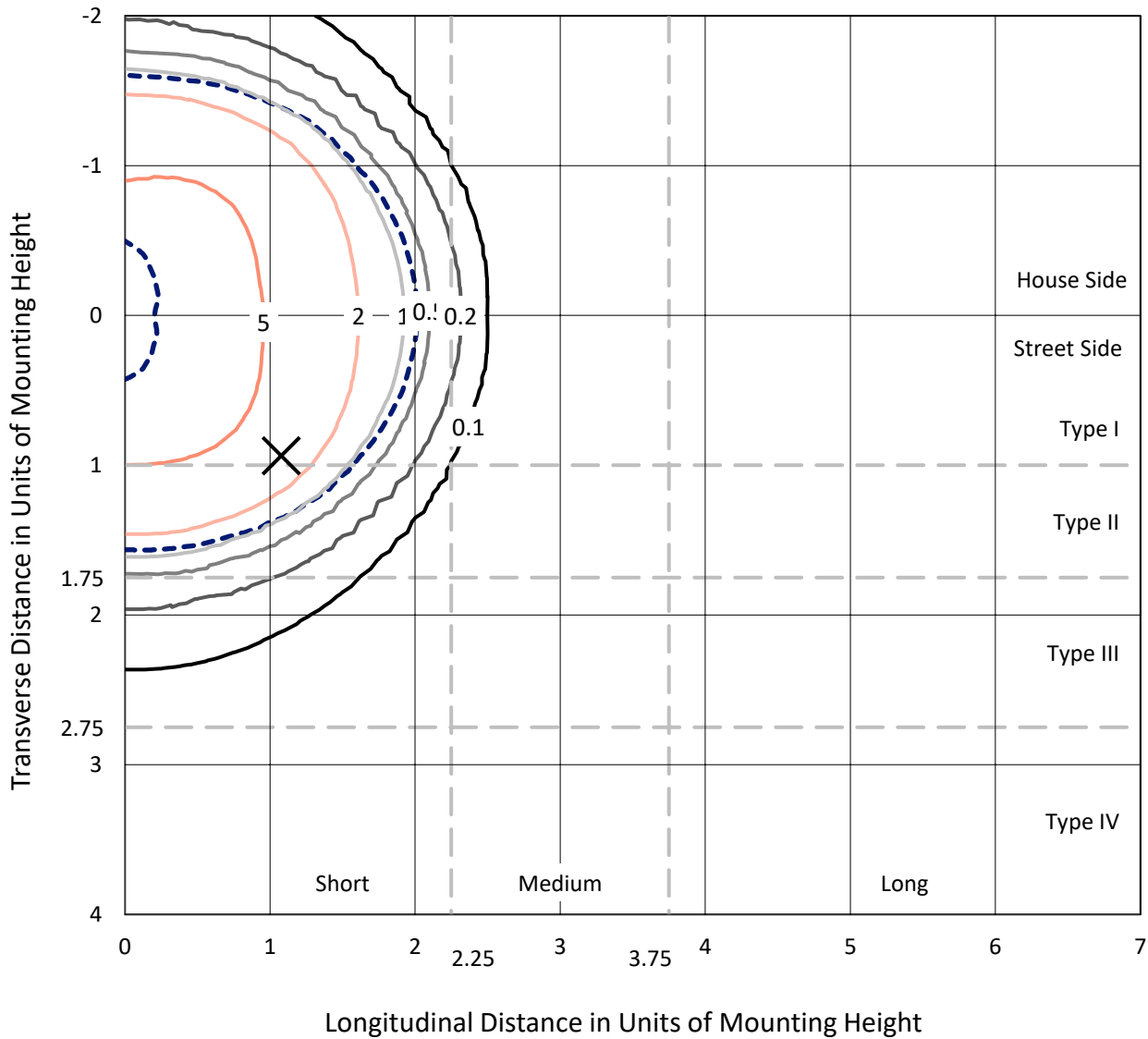


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Iso-Footcandle Lines of Horizontal Illumination

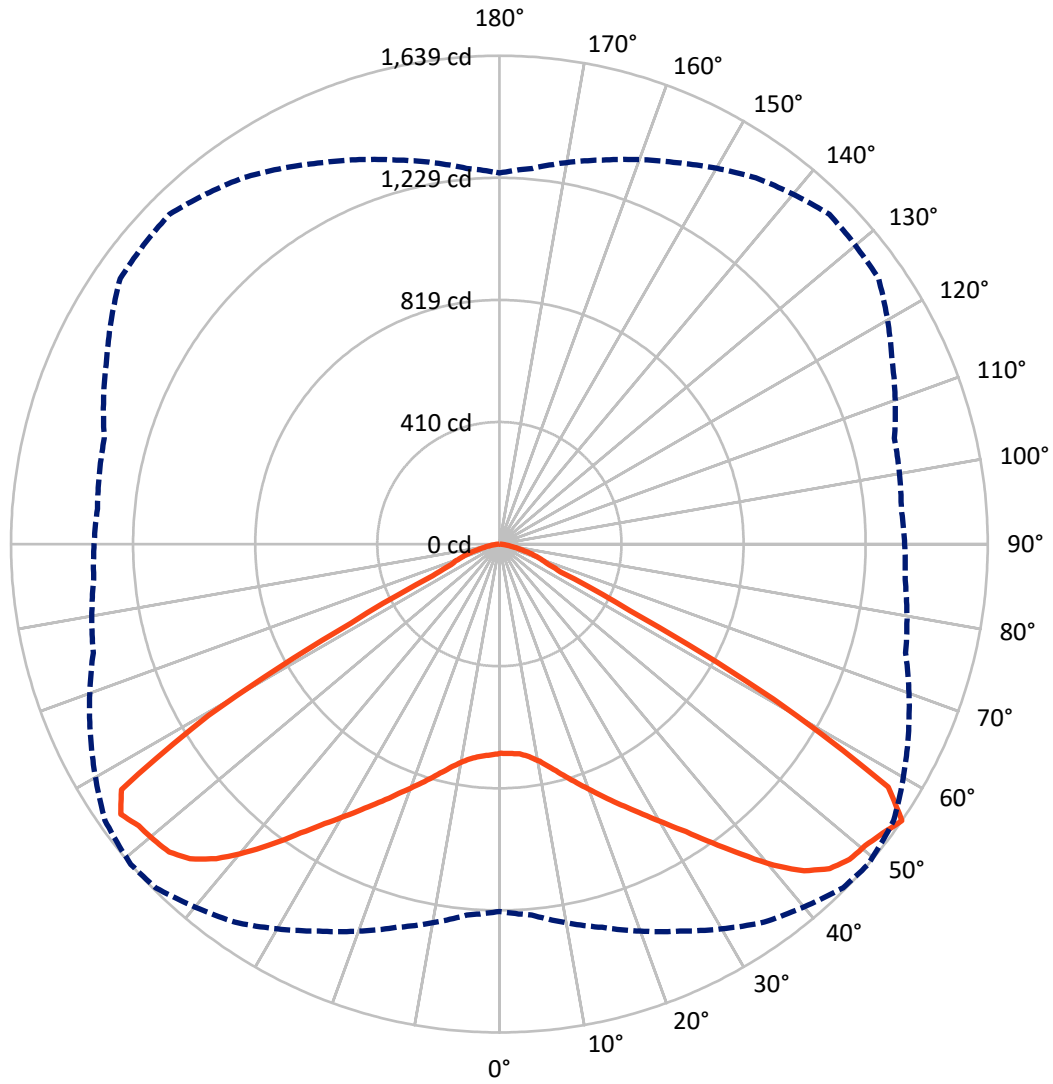
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2097.8	0.0	2097.8
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2139.4	0.0	2139.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	4237.2	0.0	4237.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.6
10°-20°	225.9	5.3
20°-30°	430.2	10.2
30°-40°	729.3	17.2
40°-50°	1097.5	25.9
50°-60°	1201.3	28.4
60°-70°	379.9	9.0
70°-80°	91.2	2.2
80°-90°	13.7	0.3
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°	4237.2	100.0
0°-180°	4237.2	100.0

Coefficient of Utilization



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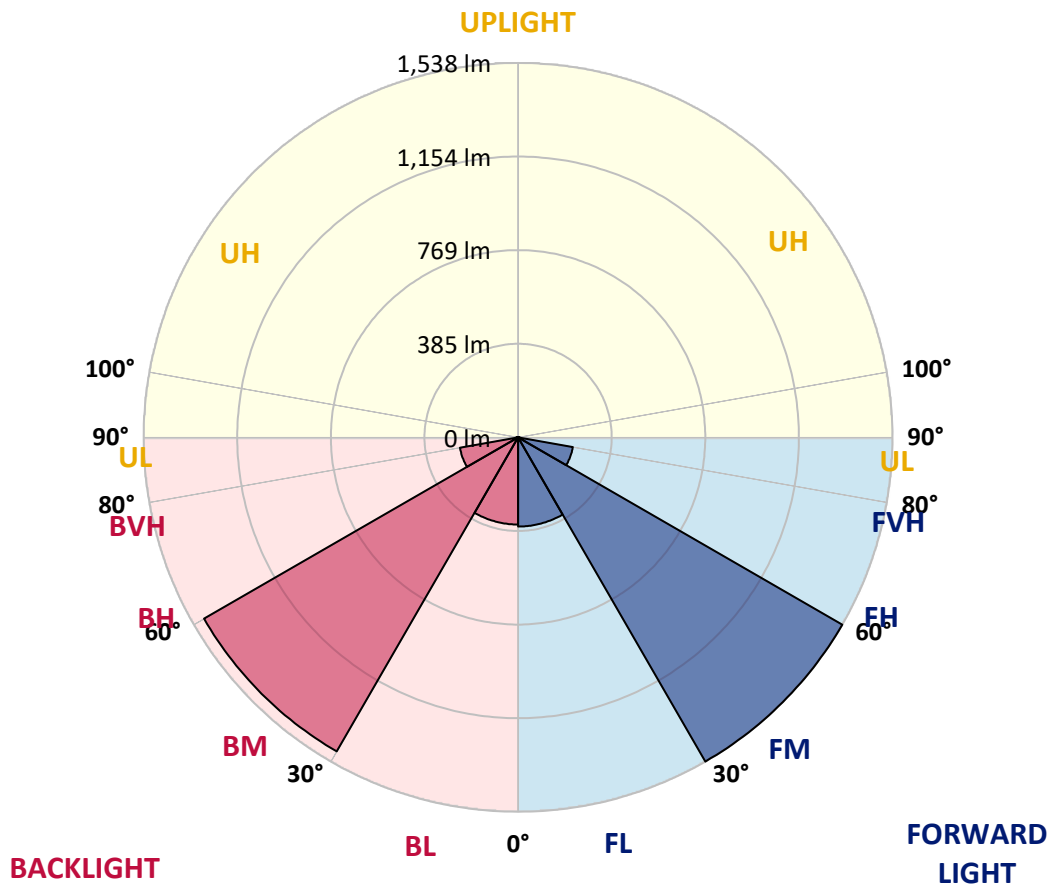
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.3	8.6			
FM (30°-60°)	1538.2	36.3			
FH (60°-80°)	228.5	5.4			G0/660
FVH (80°-90°)	6.3	0.1			G0/10
BL (0°-30°)	358.2	8.5	B1/500		
BM (30°-60°)	1489.8	35.2	B2/2500		
BH (60°-80°)	242.5	5.7	B1/500		G0/660
BVH (80°-90°)	7.3	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9
2.5°	691.6	692.3	693.6	696.1	698.5	701.9	703.3	705.0	704.7	706.7	706.7
5°	688.1	689.2	691.2	694.7	698.8	705.4	707.1	711.2	715.4	720.5	722.2
7.5°	692.3	693.6	696.1	701.6	707.8	716.4	719.8	726.7	734.7	744.0	747.7
10°	700.2	701.9	706.1	715.0	725.0	738.1	741.2	749.8	762.6	775.3	782.9
12.5°	709.2	711.9	719.5	733.6	748.4	765.7	770.5	781.2	795.0	811.5	821.8
15°	719.5	721.9	733.6	753.6	776.7	799.4	804.9	815.3	830.8	847.0	861.5
17.5°	741.2	745.3	759.1	782.2	809.1	836.0	842.2	853.9	866.3	879.0	892.8
20°	770.8	774.3	791.9	820.5	852.2	876.6	882.8	893.2	899.0	905.6	917.3
22.5°	800.5	805.3	825.3	859.0	896.3	922.8	927.6	937.3	933.1	931.1	938.6
25°	837.3	843.9	863.5	900.4	938.3	971.0	974.8	983.1	976.2	965.5	965.2
27.5°	883.2	889.0	909.4	947.3	984.8	1018.9	1026.2	1037.2	1022.0	1008.9	999.6
30°	937.6	941.4	963.8	1004.1	1042.7	1075.1	1084.4	1095.4	1084.1	1062.4	1053.0
32.5°	1001.0	1006.2	1032.0	1074.4	1108.9	1141.3	1150.6	1164.3	1151.9	1127.5	1115.8
35°	1077.2	1082.3	1109.6	1155.7	1190.9	1224.3	1230.9	1242.2	1226.7	1198.5	1189.2
37.5°	1159.9	1166.4	1200.9	1244.6	1281.5	1320.4	1320.8	1324.2	1302.2	1267.0	1256.7
40°	1252.9	1261.5	1296.0	1341.5	1385.9	1417.6	1417.3	1407.6	1370.4	1316.0	1300.1
42.5°	1344.9	1351.8	1386.6	1433.5	1477.9	1507.9	1498.9	1475.5	1421.8	1347.7	1326.6
45°	1411.4	1416.6	1453.1	1505.8	1551.0	1569.6	1553.4	1525.1	1452.4	1367.7	1336.6
47.5°	1442.8	1449.7	1486.5	1538.9	1589.9	1600.6	1581.3	1554.8	1470.3	1386.3	1344.6
50°	1425.9	1434.8	1476.5	1525.1	1582.7	1604.7	1590.9	1564.4	1489.3	1404.5	1358.7
52.5°	1382.1	1390.7	1443.5	1502.4	1567.5	1611.3	1610.9	1589.2	1511.0	1409.7	1359.4
55°	1232.6	1249.5	1331.5	1433.1	1548.9	1630.6	1638.8	1615.8	1514.4	1411.1	1366.6
57.5°	802.2	831.8	909.7	1042.0	1274.3	1483.1	1538.9	1544.4	1489.6	1405.2	1368.0
60°	334.9	358.7	420.4	508.3	700.2	948.6	1056.8	1165.4	1296.3	1343.9	1355.2
62.5°	208.1	210.2	216.4	236.4	300.5	421.8	491.4	593.0	787.7	953.5	1030.0
65°	187.8	188.8	190.2	188.8	191.9	206.8	225.4	260.9	340.1	422.5	520.3
67.5°	165.4	166.8	167.8	166.8	167.8	168.5	170.6	173.7	188.1	199.9	208.8
70°	133.7	135.8	137.5	136.8	140.9	140.9	143.0	145.4	152.7	161.3	167.5
72.5°	102.0	100.3	102.3	103.0	106.8	108.9	112.0	114.7	123.0	128.2	136.1
75°	66.2	64.4	67.5	69.3	74.4	77.2	79.9	82.7	88.6	92.0	99.6
77.5°	35.8	35.5	38.6	41.0	46.5	50.0	52.0	54.1	58.9	60.0	64.8
80°	20.7	20.7	22.7	24.5	27.9	31.7	33.8	35.5	38.9	40.0	42.0
82.5°	11.4	11.4	12.4	13.4	16.2	18.3	20.0	21.4	24.5	25.5	26.5
85°	5.5	5.2	5.9	6.5	7.6	8.6	9.6	10.3	12.7	13.4	14.8
87.5°	0.7	0.7	0.7	1.0	1.4	2.1	2.4	2.4	3.8	4.5	5.2
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°	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9	701.9
2.5°	708.8	704.3	707.1	708.1	708.1	707.1	702.6	701.2	699.2	696.1	696.1
5°	724.7	721.2	721.9	720.2	716.0	710.9	702.6	698.5	695.0	691.2	690.9
7.5°	751.9	747.4	746.7	740.2	729.1	718.1	705.7	698.1	693.0	688.1	687.8
10°	787.4	783.2	778.1	765.0	748.8	732.6	715.7	705.4	697.8	690.9	690.5
12.5°	827.0	822.2	812.5	793.2	772.9	757.1	737.8	721.9	710.5	701.2	699.5
15°	870.1	863.2	846.6	823.9	803.9	787.0	766.4	743.6	726.4	711.6	709.8
17.5°	903.2	894.2	876.3	854.9	838.4	821.5	794.6	766.0	741.2	722.6	719.8
20°	925.9	918.7	898.3	882.5	872.8	858.0	826.7	794.3	766.4	742.9	741.5
22.5°	946.9	938.3	918.3	909.0	909.0	899.0	869.0	830.8	798.1	770.8	767.4
25°	970.7	961.4	946.2	945.2	950.0	945.5	909.4	868.4	830.1	799.4	793.9
27.5°	1003.8	993.4	984.5	990.7	997.6	992.7	952.4	904.9	864.6	833.5	828.7
30°	1056.5	1043.7	1035.5	1043.1	1056.5	1042.4	998.6	948.3	907.6	873.5	871.1
32.5°	1117.8	1103.4	1094.7	1106.8	1118.9	1096.8	1053.4	1005.2	962.4	926.6	922.5
35°	1191.6	1173.3	1160.6	1176.8	1189.2	1167.5	1124.4	1078.5	1031.0	993.8	988.3
37.5°	1257.0	1235.0	1226.4	1249.1	1265.7	1251.5	1204.7	1161.6	1109.6	1068.9	1066.5
40°	1304.6	1282.9	1276.7	1314.2	1343.2	1339.7	1297.7	1248.4	1199.5	1152.6	1148.2
42.5°	1325.3	1310.1	1311.5	1362.1	1406.9	1429.0	1391.4	1338.7	1291.5	1242.9	1239.8
45°	1329.8	1320.4	1331.5	1394.9	1453.8	1498.9	1466.9	1422.8	1369.4	1322.5	1321.1
47.5°	1334.6	1329.4	1346.3	1413.5	1483.4	1535.8	1517.9	1472.4	1418.3	1372.5	1369.0
50°	1345.9	1343.9	1362.8	1426.6	1497.6	1545.8	1525.5	1480.3	1424.9	1379.7	1371.4
52.5°	1349.4	1345.9	1373.2	1446.9	1521.0	1545.5	1501.7	1442.8	1387.0	1336.6	1328.0
55°	1360.1	1353.9	1372.5	1454.5	1553.4	1565.4	1500.3	1412.1	1334.2	1265.7	1245.3
57.5°	1362.8	1355.9	1368.0	1442.1	1518.2	1507.6	1318.7	1139.5	992.7	916.6	925.2
60°	1348.0	1350.1	1329.4	1321.1	1217.8	1075.1	807.4	645.4	506.9	448.3	461.1
62.5°	1026.2	1034.8	964.1	838.4	644.7	511.0	338.0	262.6	222.3	211.9	213.6
65°	517.9	529.6	456.2	377.3	280.5	226.7	196.1	189.9	187.8	185.4	185.4
67.5°	205.0	208.5	205.7	192.6	179.2	174.4	173.0	172.3	169.9	168.5	168.8
70°	164.7	167.5	163.3	155.1	149.5	149.2	148.5	147.1	145.4	145.4	146.4
72.5°	134.4	137.1	131.3	126.1	122.0	118.9	117.2	116.1	113.7	113.7	114.7
75°	98.9	100.6	95.8	95.1	90.6	87.5	84.8	83.4	80.3	78.9	79.9
77.5°	65.8	65.5	63.1	63.1	61.3	57.5	54.4	51.3	47.2	44.5	45.1
80°	42.7	42.7	41.7	41.7	40.0	36.9	33.1	30.0	27.6	25.5	25.5
82.5°	27.2	26.9	26.5	26.2	25.5	22.4	19.6	17.6	15.9	14.5	14.8
85°	15.2	15.2	14.5	14.5	13.1	11.4	10.0	8.6	7.6	7.2	7.2
87.5°	5.2	5.2	4.8	4.8	4.1	3.1	2.4	2.1	1.7	1.4	1.7
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)