

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: P629779

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629779
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4179.1 lumens
Efficiency: N/A
Efficacy: 122.6 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

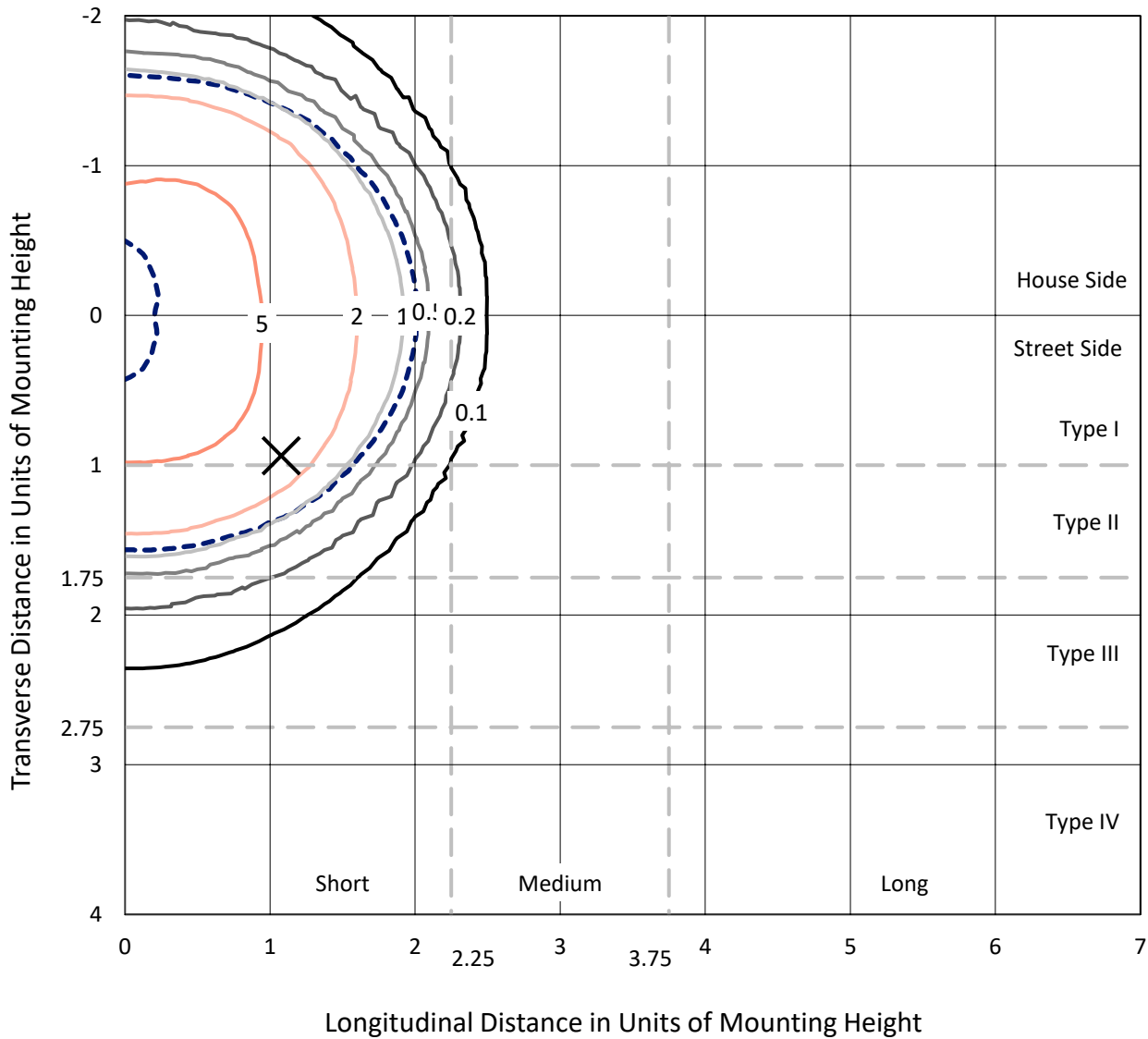


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Iso-Footcandle Lines of Horizontal Illumination

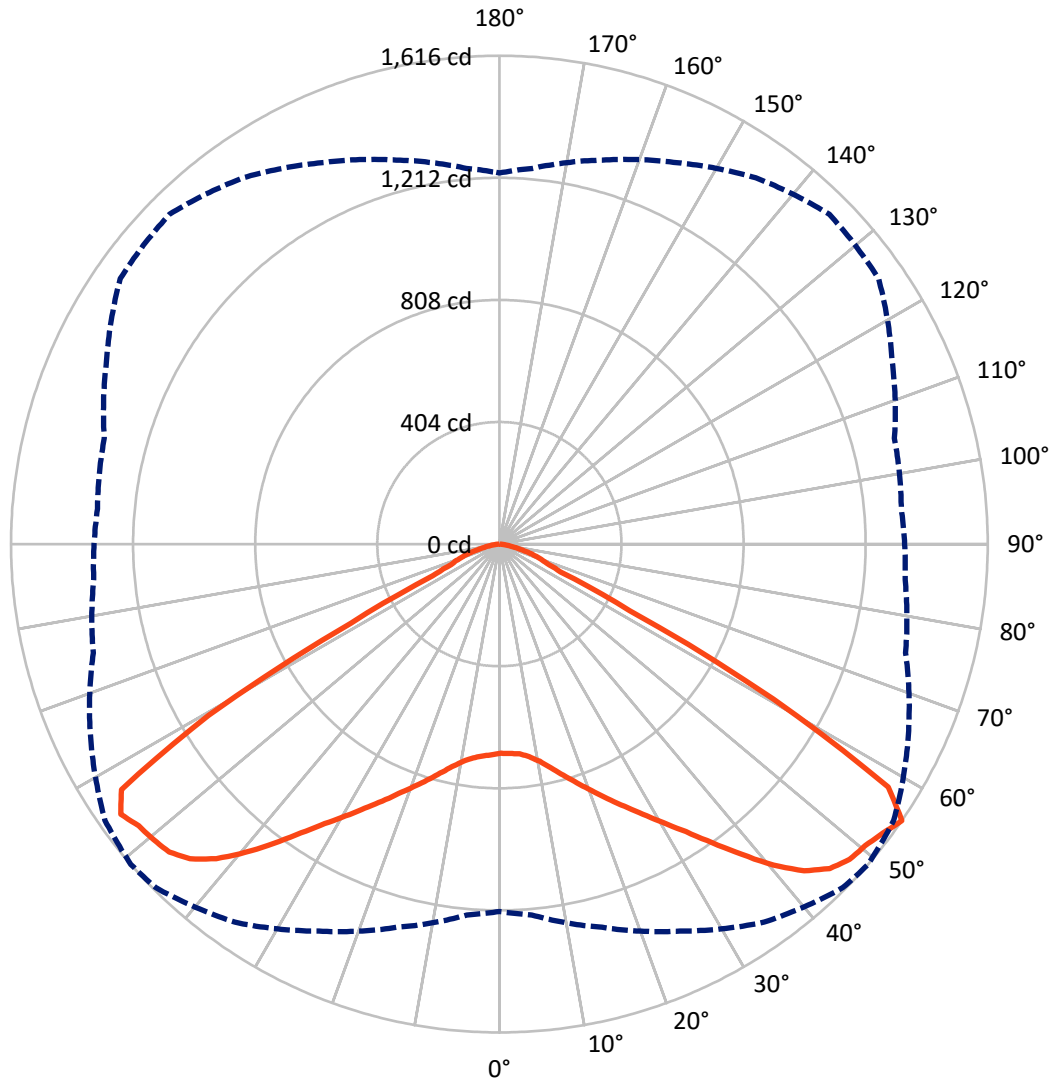
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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	2069.1	0.0	2069.1
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2110.1	0.0	2110.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	4179.1	0.0	4179.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	1.6
10°-20°	222.8	5.3
20°-30°	424.3	10.2
30°-40°	719.2	17.2
40°-50°	1082.4	25.9
50°-60°	1184.8	28.4
60°-70°	374.6	9.0
70°-80°	89.9	2.2
80°-90°	13.5	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°	4179.1	100.0
0°-180°	4179.1	100.0

Coefficient of Utilization



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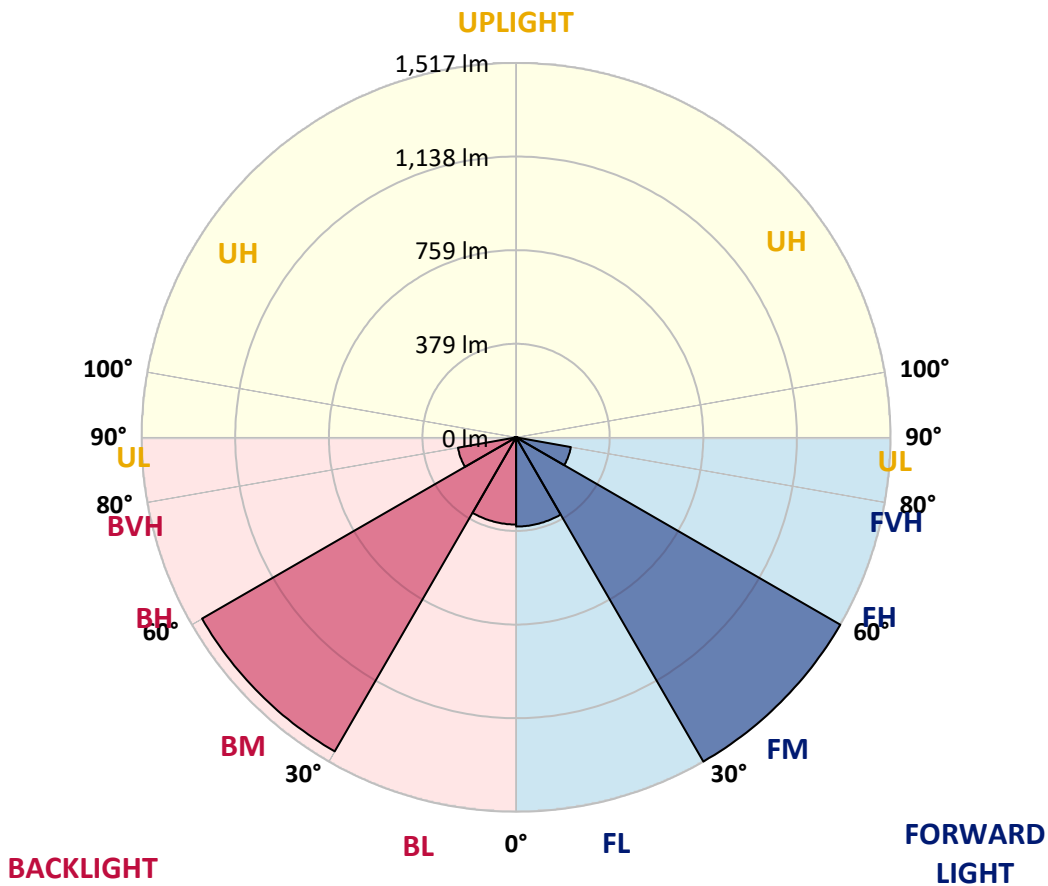
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.3	8.6			
FM (30°-60°)	1517.1	36.3			
FH (60°-80°)	225.3	5.4			G0/660
FVH (80°-90°)	6.2	0.1			G0/10
BL (0°-30°)	353.2	8.5	B1/500		
BM (30°-60°)	1469.3	35.2	B2/2500		
BH (60°-80°)	239.2	5.7	B1/500		G0/660
BVH (80°-90°)	7.2	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°	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3
2.5°	682.1	682.8	684.1	686.5	688.9	692.3	693.7	695.4	695.0	697.1	697.1
5°	678.7	679.7	681.8	685.2	689.2	695.7	697.4	701.5	705.5	710.6	712.3
7.5°	682.8	684.1	686.5	692.0	698.1	706.6	710.0	716.8	724.6	733.8	737.5
10°	690.6	692.3	696.4	705.2	715.1	728.0	731.0	739.5	752.1	764.7	772.2
12.5°	699.4	702.1	709.6	723.6	738.2	755.2	759.9	770.5	784.1	800.4	810.6
15°	709.6	712.0	723.6	743.3	766.0	788.5	793.9	804.1	819.4	835.4	849.6
17.5°	731.0	735.1	748.7	771.5	798.0	824.5	830.6	842.2	854.4	867.0	880.6
20°	760.3	763.7	781.0	809.2	840.5	864.6	870.7	880.9	886.7	893.2	904.7
22.5°	789.5	794.3	814.0	847.3	884.0	910.1	914.9	924.4	920.3	918.3	925.8
25°	825.9	832.3	851.7	888.1	925.4	957.7	961.5	969.6	962.8	952.3	951.9
27.5°	871.1	876.8	896.9	934.3	971.3	1005.0	1012.1	1023.0	1008.0	995.1	985.9
30°	924.8	928.5	950.6	990.3	1028.4	1060.4	1069.5	1080.4	1069.2	1047.8	1038.6
32.5°	987.3	992.4	1017.9	1059.7	1093.7	1125.6	1134.8	1148.4	1136.1	1112.0	1100.5
35°	1062.4	1067.5	1094.3	1139.9	1174.6	1207.5	1214.0	1225.2	1209.9	1182.0	1172.9
37.5°	1144.0	1150.4	1184.4	1227.6	1263.9	1302.3	1302.7	1306.1	1284.3	1249.7	1239.5
40°	1235.7	1244.2	1278.2	1323.1	1366.9	1398.2	1397.8	1388.3	1351.6	1297.9	1282.3
42.5°	1326.5	1333.3	1367.6	1413.8	1457.7	1487.2	1478.4	1455.3	1402.3	1329.2	1308.5
45°	1392.1	1397.2	1433.2	1485.2	1529.7	1548.1	1532.1	1504.2	1432.5	1348.9	1318.3
47.5°	1423.0	1429.8	1466.2	1517.8	1568.1	1578.6	1559.6	1533.4	1450.2	1367.3	1326.1
50°	1406.3	1415.2	1456.3	1504.2	1561.0	1582.7	1569.1	1543.0	1468.9	1385.3	1340.1
52.5°	1363.2	1371.7	1423.7	1481.8	1546.0	1589.2	1588.8	1567.4	1490.3	1390.4	1340.7
55°	1215.7	1232.3	1313.2	1413.5	1527.7	1608.2	1616.4	1593.6	1493.7	1391.7	1347.9
57.5°	791.2	820.4	897.2	1027.7	1256.8	1462.8	1517.8	1523.2	1469.2	1385.9	1349.2
60°	330.3	353.8	414.6	501.3	690.6	935.6	1042.3	1149.4	1278.6	1325.5	1336.7
62.5°	205.3	207.3	213.4	233.1	296.4	416.0	484.6	584.9	776.9	940.4	1015.8
65°	185.2	186.2	187.6	186.2	189.3	203.9	222.3	257.3	335.4	416.7	513.2
67.5°	163.1	164.5	165.5	164.5	165.5	166.2	168.2	171.3	185.6	197.1	206.0
70°	131.9	133.9	135.6	134.9	139.0	139.0	141.0	143.4	150.6	159.1	165.2
72.5°	100.6	98.9	100.9	101.6	105.4	107.4	110.5	113.2	121.3	126.4	134.2
75°	65.3	63.6	66.6	68.3	73.4	76.1	78.8	81.6	87.3	90.7	98.2
77.5°	35.3	35.0	38.1	40.4	45.9	49.3	51.3	53.4	58.1	59.1	63.9
80°	20.4	20.4	22.4	24.1	27.5	31.3	33.3	35.0	38.4	39.4	41.5
82.5°	11.2	11.2	12.2	13.3	16.0	18.0	19.7	21.1	24.1	25.1	26.2
85°	5.4	5.1	5.8	6.5	7.5	8.5	9.5	10.2	12.6	13.3	14.6
87.5°	0.7	0.7	0.7	1.0	1.4	2.0	2.4	2.4	3.7	4.4	5.1
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°	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3	692.3
2.5°	699.1	694.7	697.4	698.4	698.4	697.4	693.0	691.6	689.6	686.5	686.5
5°	714.7	711.3	712.0	710.3	706.2	701.1	693.0	688.9	685.5	681.8	681.4
7.5°	741.6	737.2	736.5	730.0	719.1	708.3	696.0	688.6	683.5	678.7	678.4
10°	776.6	772.5	767.4	754.5	738.5	722.5	705.9	695.7	688.2	681.4	681.1
12.5°	815.7	810.9	801.4	782.4	762.3	746.7	727.6	712.0	700.8	691.6	689.9
15°	858.1	851.3	835.0	812.6	792.9	776.2	755.8	733.4	716.4	701.8	700.1
17.5°	890.8	881.9	864.3	843.2	826.9	810.2	783.7	755.5	731.0	712.7	710.0
20°	913.2	906.1	886.0	870.4	860.9	846.2	815.3	783.4	755.8	732.7	731.4
22.5°	933.9	925.4	905.7	896.5	896.5	886.7	857.1	819.4	787.1	760.3	756.9
25°	957.4	948.2	933.3	932.2	937.0	932.6	896.9	856.4	818.7	788.5	783.0
27.5°	990.0	979.8	971.0	977.1	983.9	979.1	939.4	892.5	852.7	822.1	817.4
30°	1042.0	1029.4	1021.3	1028.8	1042.0	1028.1	984.9	935.3	895.2	861.5	859.2
32.5°	1102.5	1088.2	1079.7	1091.6	1103.5	1081.8	1038.9	991.4	949.2	913.9	909.8
35°	1175.2	1157.2	1144.6	1160.6	1172.9	1151.4	1109.0	1063.8	1016.9	980.2	974.7
37.5°	1239.8	1218.1	1209.6	1232.0	1248.3	1234.4	1188.1	1145.7	1094.3	1054.2	1051.9
40°	1286.7	1265.3	1259.2	1296.2	1324.8	1321.4	1279.9	1231.3	1183.0	1136.8	1132.4
42.5°	1307.1	1292.1	1293.5	1343.5	1387.6	1409.4	1372.4	1320.4	1273.8	1225.9	1222.8
45°	1311.5	1302.3	1313.2	1375.8	1433.9	1478.4	1446.8	1403.3	1350.6	1304.4	1303.0
47.5°	1316.3	1311.2	1327.8	1394.1	1463.1	1514.8	1497.1	1452.2	1398.9	1353.7	1350.3
50°	1327.5	1325.5	1344.1	1407.0	1477.0	1524.6	1504.6	1460.0	1405.3	1360.8	1352.6
52.5°	1330.9	1327.5	1354.3	1427.1	1500.1	1524.3	1481.1	1423.0	1367.9	1318.3	1309.8
55°	1341.4	1335.3	1353.7	1434.5	1532.1	1544.0	1479.7	1392.7	1315.9	1248.3	1228.3
57.5°	1344.1	1337.3	1349.2	1422.3	1497.4	1486.9	1300.6	1123.9	979.1	904.0	912.5
60°	1329.5	1331.6	1311.2	1303.0	1201.1	1060.4	796.3	636.6	499.9	442.2	454.7
62.5°	1012.1	1020.6	950.9	826.9	635.9	504.0	333.4	259.0	219.2	209.0	210.7
65°	510.8	522.4	450.0	372.1	276.6	223.6	193.4	187.3	185.2	182.8	182.8
67.5°	202.2	205.6	202.9	190.0	176.7	172.0	170.6	169.9	167.6	166.2	166.5
70°	162.5	165.2	161.1	152.9	147.5	147.2	146.5	145.1	143.4	143.4	144.4
72.5°	132.5	135.3	129.5	124.4	120.3	117.3	115.6	114.5	112.2	112.2	113.2
75°	97.5	99.2	94.5	93.8	89.4	86.3	83.6	82.2	79.2	77.8	78.8
77.5°	64.9	64.6	62.2	62.2	60.5	56.8	53.7	50.6	46.6	43.8	44.5
80°	42.1	42.1	41.1	41.1	39.4	36.4	32.6	29.6	27.2	25.1	25.1
82.5°	26.8	26.5	26.2	25.8	25.1	22.1	19.4	17.3	15.6	14.3	14.6
85°	15.0	15.0	14.3	14.3	12.9	11.2	9.9	8.5	7.5	7.1	7.1
87.5°	5.1	5.1	4.8	4.8	4.1	3.1	2.4	2.0	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)