

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: P629942

Luminaire Tested: GWS-SA1C-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629942
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4274.9 lumens
Efficiency: N/A
Efficacy: 125.4 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

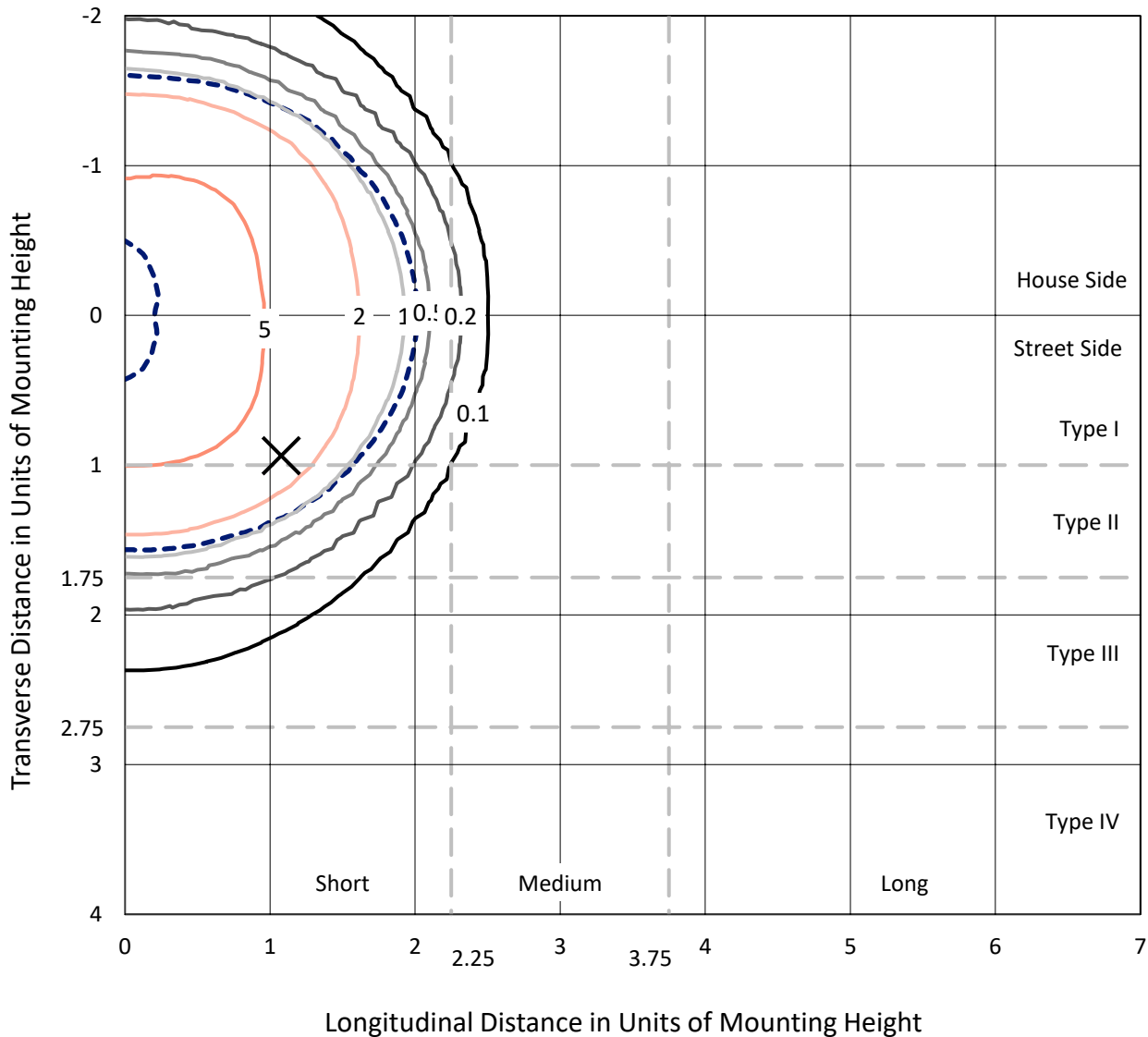
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

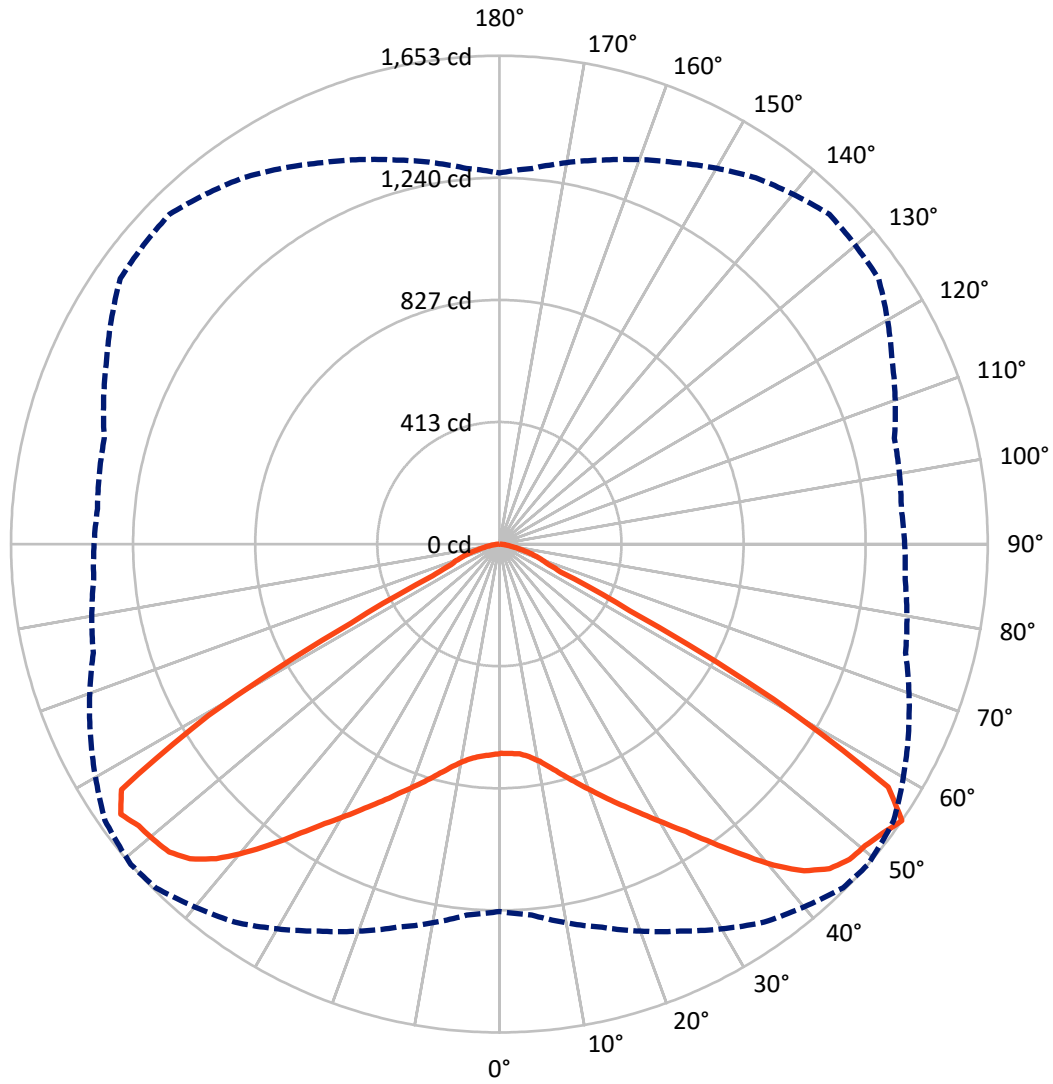
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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	2116.5	0.0	2116.5
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2158.4	0.0	2158.4
	% Fixture	50.5	0.0	50.5
Total	Lumens	4274.9	0.0	4274.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	1.6
10°-20°	227.9	5.3
20°-30°	434.0	10.2
30°-40°	735.7	17.2
40°-50°	1107.2	25.9
50°-60°	1212.0	28.4
60°-70°	383.2	9.0
70°-80°	92.0	2.2
80°-90°	13.8	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°	4274.9	100.0
0°-180°	4274.9	100.0

Coefficient of Utilization



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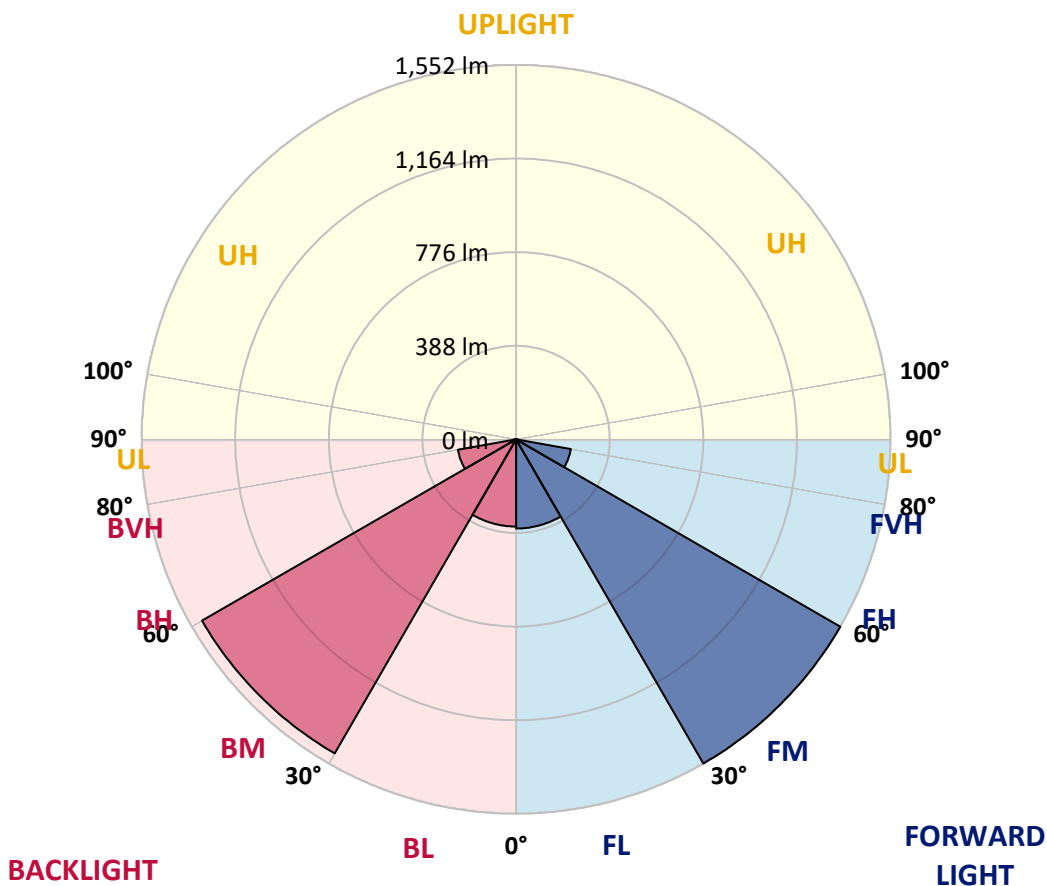
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	369.6	8.6			
FM (30°-60°)	1551.9	36.3			
FH (60°-80°)	230.5	5.4			G0/660
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	361.3	8.5	B1/500		
BM (30°-60°)	1503.0	35.2	B2/2500		
BH (60°-80°)	244.7	5.7	B1/500		G0/660
BVH (80°-90°)	7.4	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°	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2
2.5°	697.7	698.4	699.8	702.3	704.7	708.2	709.6	711.3	710.9	713.0	713.0
5°	694.3	695.3	697.4	700.9	705.0	711.6	713.4	717.5	721.7	726.9	728.7
7.5°	698.4	699.8	702.3	707.8	714.1	722.8	726.2	733.2	741.2	750.6	754.4
10°	706.4	708.2	712.3	721.4	731.5	744.7	747.8	756.5	769.3	782.2	789.9
12.5°	715.5	718.2	725.9	740.1	755.1	772.5	777.3	788.1	802.0	818.7	829.1
15°	725.9	728.3	740.1	760.3	783.6	806.5	812.1	822.5	838.2	854.5	869.1
17.5°	747.8	752.0	765.9	789.2	816.3	843.4	849.7	861.5	874.0	886.9	900.8
20°	777.7	781.2	798.9	827.8	859.7	884.4	890.7	901.1	907.0	913.6	925.4
22.5°	807.6	812.5	832.6	866.7	904.2	931.0	935.9	945.6	941.4	939.4	947.0
25°	844.8	851.4	871.2	908.4	946.7	979.7	983.5	991.8	984.9	974.1	973.8
27.5°	891.0	896.9	917.4	955.7	993.6	1028.0	1035.3	1046.4	1031.1	1017.9	1008.5
30°	946.0	949.8	972.4	1013.1	1052.0	1084.7	1094.1	1105.2	1093.7	1071.8	1062.4
32.5°	1009.9	1015.1	1041.2	1084.0	1118.7	1151.4	1160.8	1174.7	1162.2	1137.5	1125.7
35°	1086.8	1092.0	1119.4	1166.0	1201.5	1235.2	1241.8	1253.3	1237.6	1209.1	1199.7
37.5°	1170.2	1176.8	1211.6	1255.7	1292.9	1332.2	1332.5	1336.0	1313.8	1278.3	1267.9
40°	1264.1	1272.7	1307.5	1353.4	1398.2	1430.2	1429.9	1420.2	1382.6	1327.7	1311.7
42.5°	1356.9	1363.8	1398.9	1446.2	1491.1	1521.3	1512.3	1488.6	1434.4	1359.7	1338.5
45°	1424.0	1429.2	1466.0	1519.2	1564.8	1583.5	1567.2	1538.7	1465.3	1379.8	1348.5
47.5°	1455.6	1462.6	1499.8	1552.6	1604.1	1614.8	1595.4	1568.6	1483.4	1398.6	1356.5
50°	1438.6	1447.6	1489.7	1538.7	1596.8	1619.0	1605.1	1578.3	1502.5	1417.0	1370.8
52.5°	1394.4	1403.1	1456.3	1515.8	1581.5	1625.6	1625.3	1603.4	1524.4	1422.2	1371.5
55°	1243.5	1260.6	1343.3	1445.9	1562.7	1645.1	1653.4	1630.1	1527.9	1423.6	1378.8
57.5°	809.3	839.2	917.8	1051.3	1285.6	1496.3	1552.6	1558.2	1502.9	1417.7	1380.2
60°	337.9	361.9	424.1	512.8	706.4	957.1	1066.2	1175.8	1307.9	1355.8	1367.3
62.5°	210.0	212.1	218.3	238.5	303.2	425.5	495.7	598.3	794.7	961.9	1039.1
65°	189.5	190.5	191.9	190.5	193.6	208.6	227.4	263.2	343.1	426.2	525.0
67.5°	166.9	168.3	169.3	168.3	169.3	170.0	172.1	175.2	189.8	201.6	210.7
70°	134.9	137.0	138.7	138.0	142.2	142.2	144.3	146.7	154.0	162.7	169.0
72.5°	102.9	101.2	103.3	103.9	107.8	109.9	113.0	115.8	124.1	129.3	137.3
75°	66.7	65.0	68.1	69.9	75.1	77.9	80.7	83.4	89.3	92.8	100.5
77.5°	36.2	35.8	38.9	41.4	46.9	50.4	52.5	54.6	59.4	60.5	65.4
80°	20.9	20.9	22.9	24.7	28.2	32.0	34.1	35.8	39.3	40.3	42.4
82.5°	11.5	11.5	12.5	13.6	16.3	18.4	20.2	21.6	24.7	25.7	26.8
85°	5.6	5.2	5.9	6.6	7.6	8.7	9.7	10.4	12.9	13.6	14.9
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°	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2	708.2
2.5°	715.1	710.6	713.4	714.4	714.4	713.4	708.9	707.5	705.4	702.3	702.3
5°	731.1	727.6	728.3	726.6	722.4	717.2	708.9	704.7	701.2	697.4	697.0
7.5°	758.6	754.1	753.4	746.8	735.6	724.5	712.0	704.3	699.1	694.3	693.9
10°	794.4	790.2	785.0	771.8	755.4	739.1	722.1	711.6	704.0	697.0	696.7
12.5°	834.4	829.5	819.8	800.3	779.8	763.8	744.3	728.3	716.9	707.5	705.7
15°	877.8	870.9	854.2	831.2	811.1	794.0	773.2	750.2	732.8	717.9	716.2
17.5°	911.2	902.2	884.1	862.5	845.8	828.8	801.7	772.8	747.8	729.0	726.2
20°	934.1	926.8	906.3	890.3	880.6	865.6	834.0	801.3	773.2	749.5	748.1
22.5°	955.3	946.7	926.5	917.1	917.1	907.0	876.8	838.2	805.2	777.7	774.2
25°	979.3	969.9	954.6	953.6	958.5	954.0	917.4	876.1	837.5	806.5	801.0
27.5°	1012.7	1002.3	993.2	999.5	1006.4	1001.6	960.9	912.9	872.3	841.0	836.1
30°	1065.9	1053.0	1044.7	1052.3	1065.9	1051.6	1007.5	956.7	915.7	881.3	878.9
32.5°	1127.8	1113.2	1104.5	1116.7	1128.8	1106.6	1062.8	1014.1	971.0	934.8	930.7
35°	1202.2	1183.7	1170.9	1187.2	1199.7	1177.8	1134.4	1088.1	1040.2	1002.6	997.1
37.5°	1268.2	1246.0	1237.3	1260.2	1276.9	1262.7	1215.4	1171.9	1119.4	1078.4	1076.0
40°	1316.2	1294.3	1288.0	1325.9	1355.1	1351.7	1309.3	1259.5	1210.2	1162.9	1158.4
42.5°	1337.1	1321.8	1323.2	1374.3	1419.5	1441.7	1403.8	1350.6	1303.0	1254.0	1250.8
45°	1341.6	1332.2	1343.3	1407.3	1466.7	1512.3	1479.9	1435.4	1381.6	1334.3	1332.9
47.5°	1346.4	1341.2	1358.3	1426.1	1496.6	1549.5	1531.4	1485.5	1430.9	1384.7	1381.2
50°	1357.9	1355.8	1375.0	1439.3	1510.9	1559.6	1539.0	1493.5	1437.5	1392.0	1383.6
52.5°	1361.4	1357.9	1385.4	1459.8	1534.5	1559.2	1515.1	1455.6	1399.3	1348.5	1339.8
55°	1372.2	1365.9	1384.7	1467.4	1567.2	1579.4	1513.7	1424.7	1346.1	1276.9	1256.4
57.5°	1375.0	1368.0	1380.2	1454.9	1531.7	1521.0	1330.5	1149.7	1001.6	924.7	933.4
60°	1360.0	1362.1	1341.2	1332.9	1228.6	1084.7	814.5	651.1	511.4	452.3	465.2
62.5°	1035.3	1044.0	972.7	845.8	650.5	515.6	341.0	264.9	224.2	213.8	215.5
65°	522.5	534.3	460.3	380.7	283.0	228.8	197.8	191.6	189.5	187.0	187.0
67.5°	206.9	210.3	207.5	194.3	180.8	175.9	174.5	173.8	171.4	170.0	170.3
70°	166.2	169.0	164.8	156.4	150.9	150.5	149.8	148.4	146.7	146.7	147.8
72.5°	135.6	138.4	132.5	127.2	123.1	119.9	118.2	117.2	114.7	114.7	115.8
75°	99.8	101.5	96.6	96.0	91.4	88.3	85.5	84.1	81.0	79.6	80.7
77.5°	66.4	66.1	63.6	63.6	61.9	58.1	54.9	51.8	47.6	44.8	45.5
80°	43.1	43.1	42.1	42.1	40.3	37.2	33.4	30.2	27.8	25.7	25.7
82.5°	27.5	27.1	26.8	26.4	25.7	22.6	19.8	17.7	16.0	14.6	14.9
85°	15.3	15.3	14.6	14.6	13.2	11.5	10.1	8.7	7.6	7.3	7.3
87.5°	5.2	5.2	4.9	4.9	4.2	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)