

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: P631592

Luminaire Tested: GWS-SA2B-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631592
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-SA2B-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4481.2 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

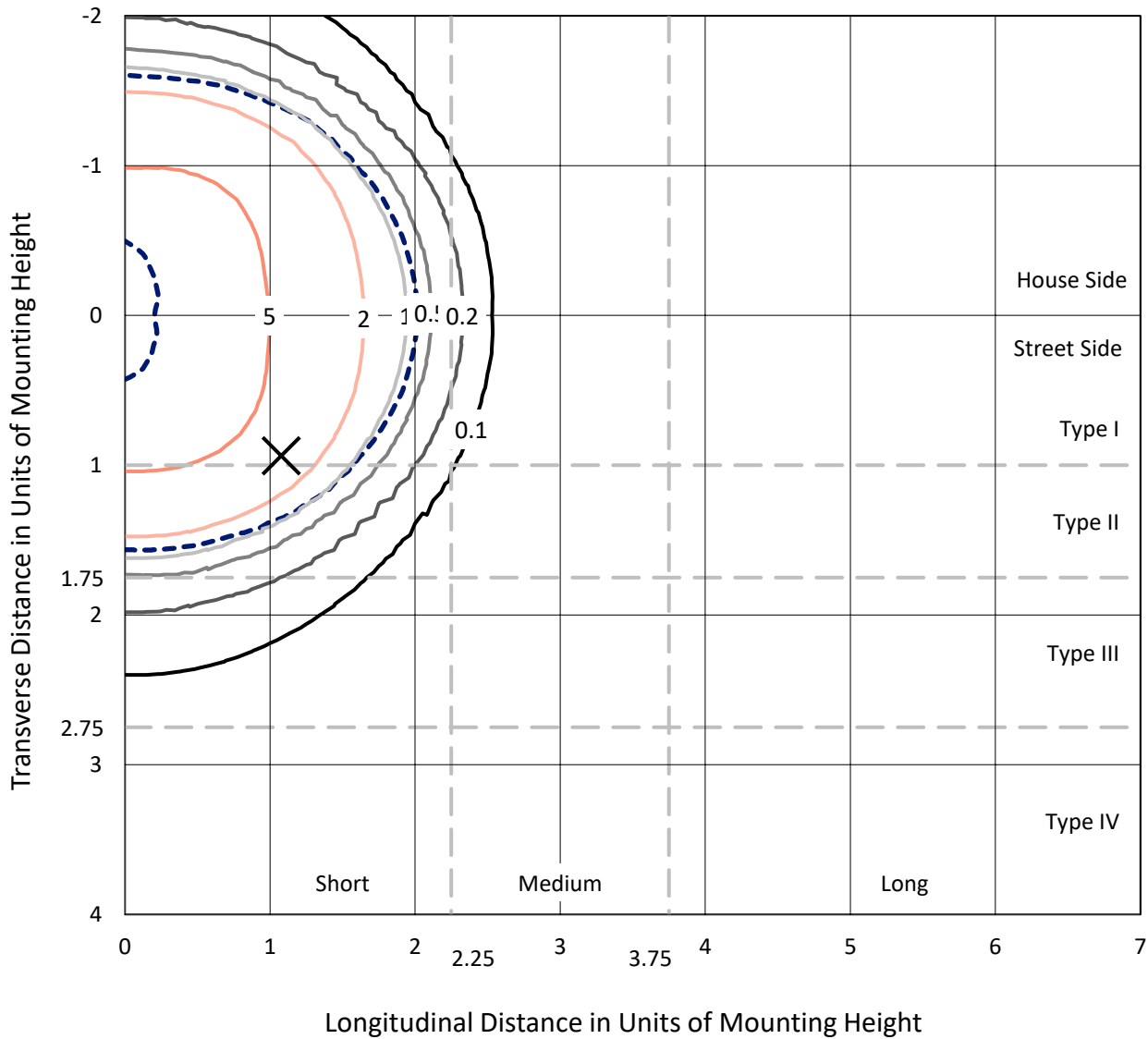
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631592
 CATALOG NUMBER: GWS-SA2B-722-U-RW-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

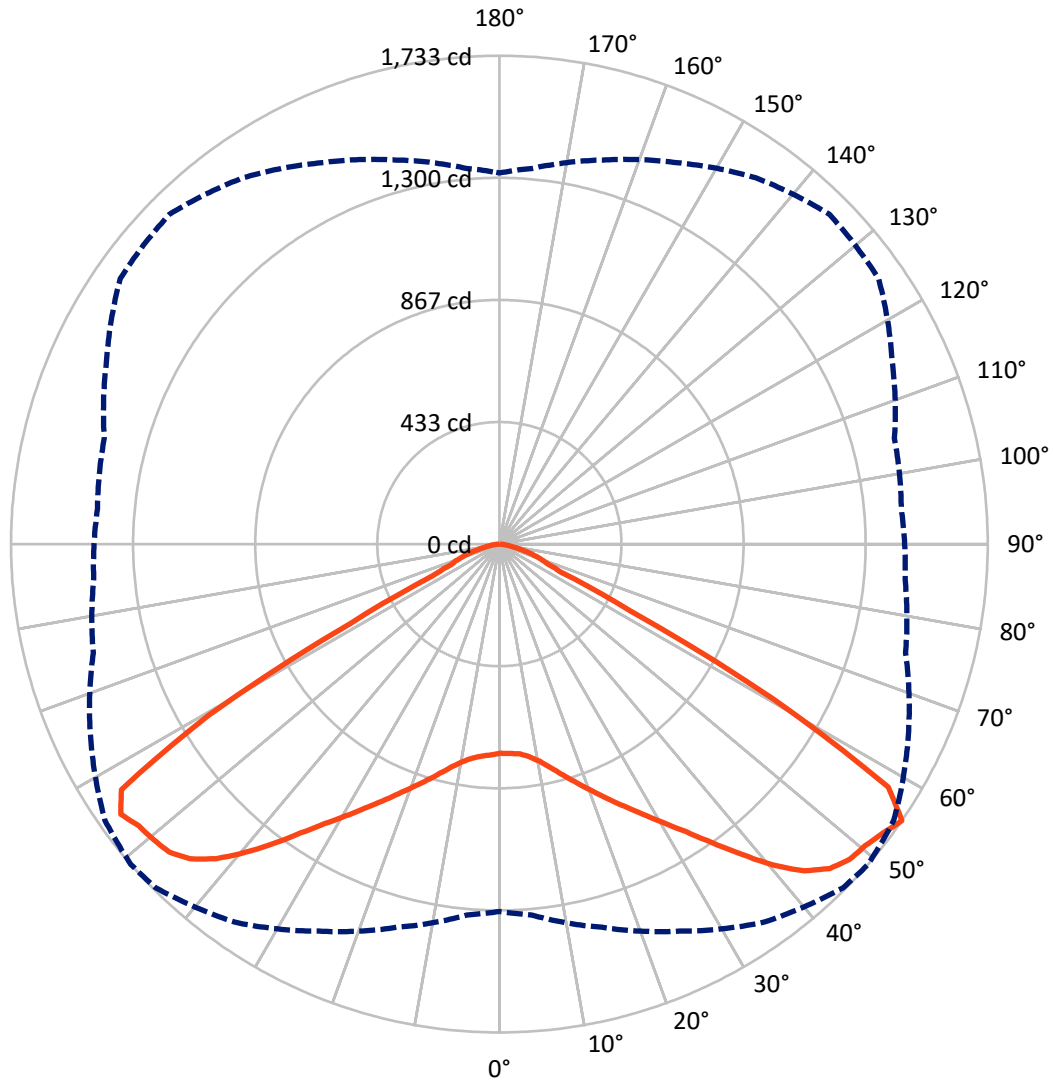
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

REPORT NUMBER: P631592
CATALOG NUMBER: GWS-SA2B-722-U-RW-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631592

CATALOG NUMBER: GWS-SA2B-722-U-RW-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.6	0.0	2218.6
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	2262.6	0.0	2262.6
	% Fixture	50.5	0.0	50.5
Total	Lumens	4481.2	0.0	4481.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.6
10°-20°	238.9	5.3
20°-30°	455.0	10.2
30°-40°	771.2	17.2
40°-50°	1160.7	25.9
50°-60°	1270.5	28.4
60°-70°	401.7	9.0
70°-80°	96.4	2.2
80°-90°	14.5	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°	4481.2	100.0
0°-180°	4481.2	100.0

Coefficient of Utilization



REPORT NUMBER: P631592

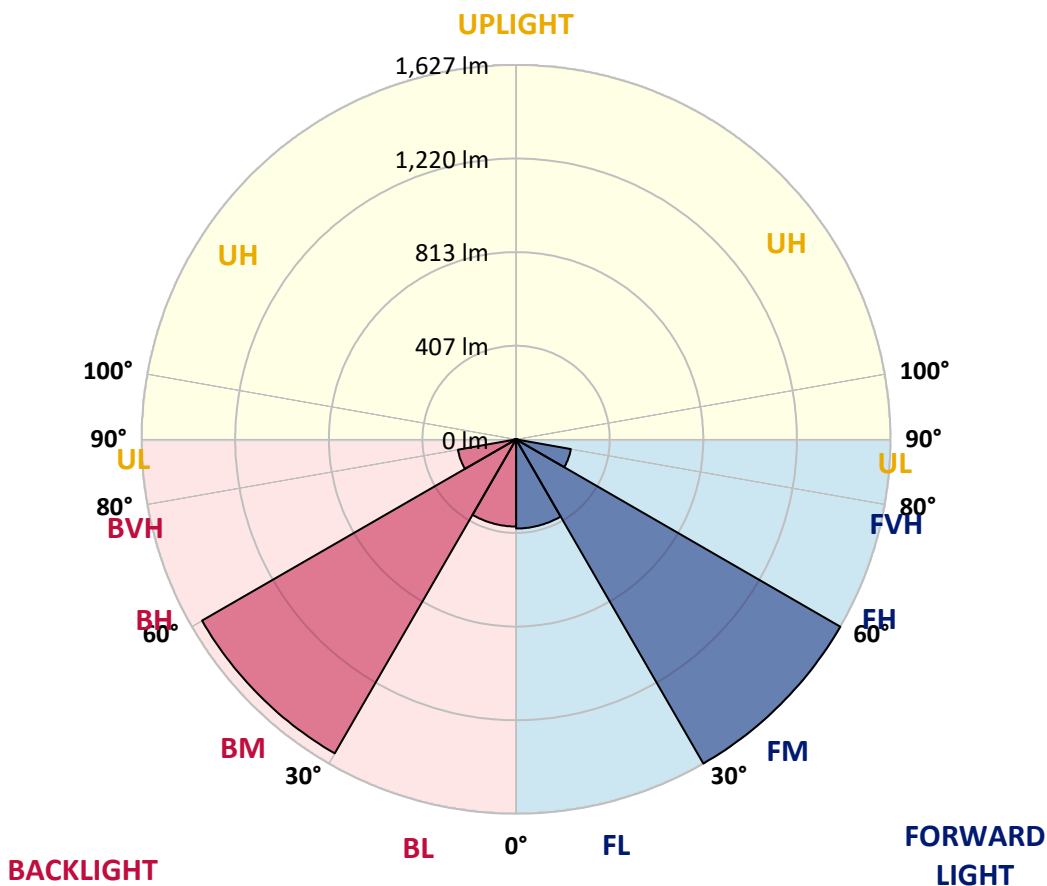
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	387.4	8.6			
FM (30°-60°)	1626.8	36.3			
FH (60°-80°)	241.6	5.4			G0/660
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	378.8	8.5	B1/500		
BM (30°-60°)	1575.6	35.2	B2/2500		
BH (60°-80°)	256.5	5.7	B1/500		G0/660
BVH (80°-90°)	7.8	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





REPORT NUMBER: P631592

CATALOG NUMBER: GWS-SA2B-722-U-RW-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3
2.5°	731.4	732.1	733.6	736.1	738.7	742.3	743.8	745.6	745.3	747.4	747.4
5°	727.8	728.9	731.0	734.7	739.1	746.0	747.8	752.2	756.6	762.0	763.8
7.5°	732.1	733.6	736.1	742.0	748.5	757.6	761.3	768.6	777.0	786.8	790.8
10°	740.5	742.3	746.7	756.2	766.8	780.6	783.9	793.0	806.5	820.0	828.0
12.5°	750.0	752.9	760.9	775.9	791.5	809.8	814.9	826.2	840.7	858.2	869.2
15°	760.9	763.5	775.9	797.0	821.4	845.5	851.3	862.2	878.6	895.8	911.1
17.5°	783.9	788.3	802.8	827.2	855.7	884.1	890.7	903.1	916.2	929.7	944.2
20°	815.2	818.9	837.5	867.7	901.2	927.1	933.7	944.6	950.8	957.7	970.1
22.5°	846.6	851.7	872.8	908.5	947.9	975.9	981.0	991.2	986.9	984.7	992.7
25°	885.6	892.5	913.3	952.2	992.3	1027.0	1031.0	1039.7	1032.4	1021.1	1020.8
27.5°	934.0	940.2	961.7	1001.8	1041.5	1077.6	1085.3	1096.9	1080.9	1067.0	1057.2
30°	991.6	995.6	1019.3	1061.9	1102.8	1137.0	1146.9	1158.5	1146.5	1123.5	1113.7
32.5°	1058.7	1064.1	1091.5	1136.3	1172.7	1207.0	1216.8	1231.4	1218.3	1192.4	1180.0
35°	1139.2	1144.7	1173.5	1222.3	1259.5	1294.8	1301.7	1313.8	1297.4	1267.5	1257.6
37.5°	1226.7	1233.6	1270.0	1316.3	1355.3	1396.5	1396.8	1400.5	1377.2	1340.0	1329.1
40°	1325.1	1334.2	1370.6	1418.7	1465.7	1499.3	1498.9	1488.7	1449.3	1391.7	1375.0
42.5°	1422.4	1429.6	1466.5	1516.0	1563.0	1594.7	1585.3	1560.5	1503.6	1425.3	1403.0
45°	1492.7	1498.2	1536.8	1592.5	1640.3	1660.0	1642.8	1613.0	1536.1	1446.4	1413.6
47.5°	1525.9	1533.1	1572.1	1627.5	1681.5	1692.8	1672.4	1644.3	1555.0	1466.1	1422.0
50°	1508.0	1517.5	1561.6	1613.0	1673.8	1697.1	1682.6	1654.5	1575.1	1485.4	1436.9
52.5°	1461.7	1470.8	1526.6	1588.9	1657.8	1704.1	1703.7	1680.7	1598.0	1490.9	1437.7
55°	1303.6	1321.4	1408.1	1515.7	1638.1	1724.5	1733.2	1708.8	1601.7	1492.3	1445.3
57.5°	848.4	879.7	962.1	1102.0	1347.7	1568.5	1627.5	1633.4	1575.4	1486.1	1446.8
60°	354.2	379.4	444.6	537.5	740.5	1003.3	1117.7	1232.5	1371.0	1421.3	1433.3
62.5°	220.1	222.3	228.9	250.0	317.8	446.1	519.7	627.2	833.1	1008.4	1089.3
65°	198.6	199.7	201.2	199.7	203.0	218.7	238.3	275.9	359.7	446.8	550.3
67.5°	174.9	176.4	177.5	176.4	177.5	178.2	180.4	183.7	199.0	211.4	220.8
70°	141.4	143.6	145.4	144.7	149.1	149.1	151.2	153.8	161.4	170.6	177.1
72.5°	107.9	106.0	108.2	109.0	113.0	115.2	118.4	121.4	130.1	135.6	143.9
75°	70.0	68.1	71.4	73.2	78.7	81.6	84.5	87.5	93.7	97.3	105.3
77.5°	37.9	37.5	40.8	43.4	49.2	52.8	55.0	57.2	62.3	63.4	68.5
80°	21.9	21.9	24.1	25.9	29.5	33.5	35.7	37.5	41.2	42.3	44.5
82.5°	12.0	12.0	13.1	14.2	17.1	19.3	21.1	22.6	25.9	27.0	28.1
85°	5.8	5.5	6.2	6.9	8.0	9.1	10.2	10.9	13.5	14.2	15.7
87.5°	0.7	0.7	0.7	1.1	1.5	2.2	2.6	2.6	4.0	4.7	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631592

CATALOG NUMBER: GWS-SA2B-722-U-RW-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3	742.3
2.5°	749.6	744.9	747.8	748.9	748.9	747.8	743.1	741.6	739.4	736.1	736.1
5°	766.4	762.7	763.5	761.7	757.3	751.8	743.1	738.7	735.0	731.0	730.7
7.5°	795.2	790.4	789.7	782.8	771.1	759.5	746.3	738.3	732.9	727.8	727.4
10°	832.7	828.3	822.9	809.0	791.9	774.8	756.9	746.0	738.0	730.7	730.3
12.5°	874.6	869.5	859.3	838.9	817.4	800.6	780.2	763.5	751.4	741.6	739.8
15°	920.2	912.9	895.4	871.3	850.2	832.4	810.5	786.4	768.2	752.5	750.7
17.5°	955.2	945.7	926.7	904.1	886.7	868.8	840.4	810.1	783.9	764.2	761.3
20°	979.2	971.6	950.1	933.3	923.1	907.4	874.3	840.0	810.5	785.7	784.2
22.5°	1001.4	992.3	971.2	961.4	961.4	950.8	919.1	878.6	844.0	815.2	811.6
25°	1026.6	1016.8	1000.7	999.6	1004.7	1000.0	961.7	918.4	877.9	845.5	839.6
27.5°	1061.6	1050.6	1041.2	1047.7	1055.0	1049.9	1007.3	957.0	914.3	881.5	876.4
30°	1117.3	1103.8	1095.1	1103.1	1117.3	1102.4	1056.1	1002.9	959.9	923.8	921.3
32.5°	1182.2	1166.9	1157.8	1170.5	1183.3	1160.0	1114.1	1063.0	1017.8	979.9	975.6
35°	1260.2	1240.9	1227.4	1244.5	1257.6	1234.7	1189.1	1140.7	1090.4	1051.0	1045.2
37.5°	1329.4	1306.1	1297.0	1321.0	1338.5	1323.6	1274.0	1228.5	1173.5	1130.5	1127.9
40°	1379.7	1356.8	1350.2	1389.9	1420.5	1416.9	1372.4	1320.3	1268.6	1219.0	1214.3
42.5°	1401.6	1385.6	1387.0	1440.6	1488.0	1511.3	1471.6	1415.8	1365.9	1314.5	1311.2
45°	1406.3	1396.5	1408.1	1475.2	1537.5	1585.3	1551.4	1504.7	1448.2	1398.7	1397.2
47.5°	1411.4	1406.0	1423.8	1494.9	1568.9	1624.3	1605.3	1557.2	1500.0	1451.5	1447.9
50°	1423.5	1421.3	1441.3	1508.7	1583.8	1634.8	1613.3	1565.6	1506.9	1459.2	1450.4
52.5°	1427.1	1423.5	1452.2	1530.2	1608.6	1634.5	1588.2	1525.9	1466.8	1413.6	1404.5
55°	1438.4	1431.8	1451.5	1538.2	1642.8	1655.6	1586.7	1493.4	1411.1	1338.5	1317.0
57.5°	1441.3	1434.0	1446.8	1525.1	1605.7	1594.4	1394.7	1205.2	1049.9	969.4	978.5
60°	1425.6	1427.8	1406.0	1397.2	1287.9	1137.0	853.9	682.6	536.1	474.1	487.6
62.5°	1085.3	1094.4	1019.7	886.7	681.8	540.4	357.5	277.7	235.1	224.1	225.9
65°	547.7	560.1	482.5	399.0	296.6	239.8	207.4	200.8	198.6	196.1	196.1
67.5°	216.8	220.5	217.6	203.7	189.5	184.4	182.9	182.2	179.7	178.2	178.6
70°	174.2	177.1	172.7	164.0	158.2	157.8	157.1	155.6	153.8	153.8	154.9
72.5°	142.1	145.0	138.8	133.4	129.0	125.7	123.9	122.8	120.3	120.3	121.4
75°	104.6	106.4	101.3	100.6	95.8	92.6	89.6	88.2	84.9	83.5	84.5
77.5°	69.6	69.2	66.7	66.7	64.9	60.9	57.6	54.3	49.9	47.0	47.7
80°	45.2	45.2	44.1	44.1	42.3	39.0	35.0	31.7	29.2	27.0	27.0
82.5°	28.8	28.4	28.1	27.7	27.0	23.7	20.8	18.6	16.8	15.3	15.7
85°	16.0	16.0	15.3	15.3	13.8	12.0	10.6	9.1	8.0	7.7	7.7
87.5°	5.5	5.5	5.1	5.1	4.4	3.3	2.6	2.2	1.8	1.5	1.8
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)