

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: P631099

Luminaire Tested: GWS-SA1F-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-SL2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3643.9 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

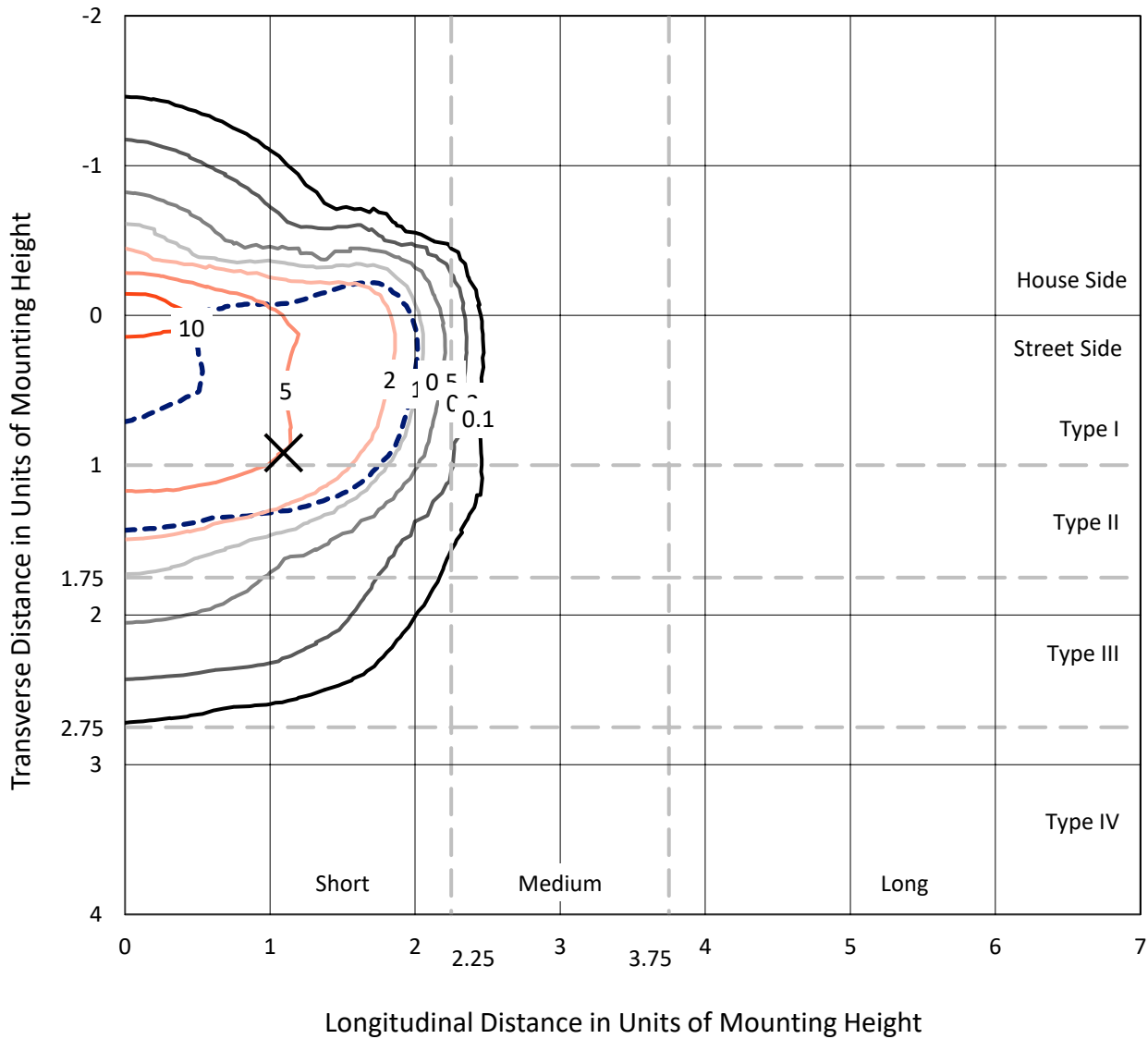
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

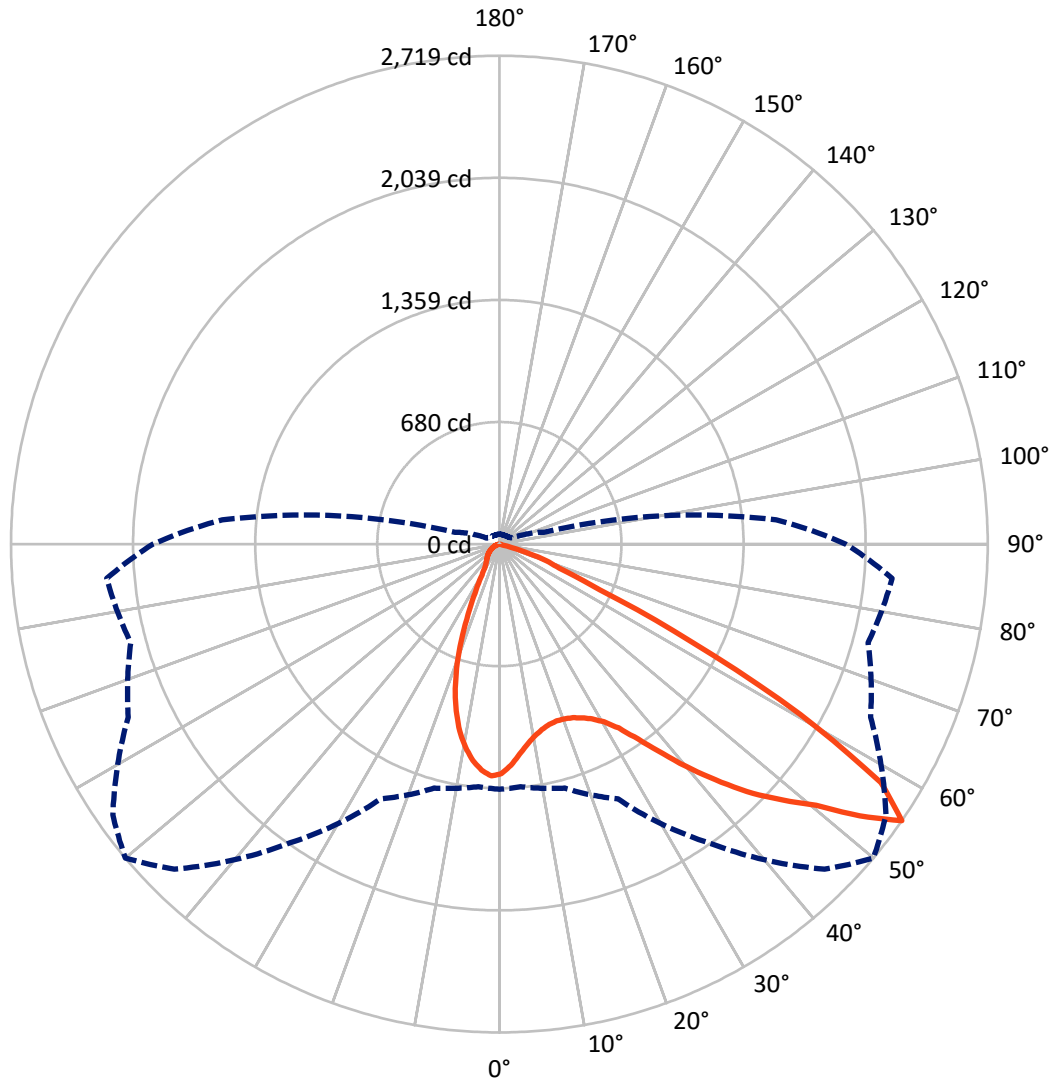
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	718.0	0.0	718.0
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	2925.9	0.0	2925.9
	% Fixture	80.3	0.0	80.3
Total	Lumens	3643.9	0.0	3643.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.3	3.1
10°-20°	276.3	7.6
20°-30°	389.7	10.7
30°-40°	576.7	15.8
40°-50°	832.0	22.8
50°-60°	981.4	26.9
60°-70°	437.8	12.0
70°-80°	37.6	1.0
80°-90°	0.0	0.0
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°	3643.9	100.0
0°-180°	3643.9	100.0

Coefficient of Utilization



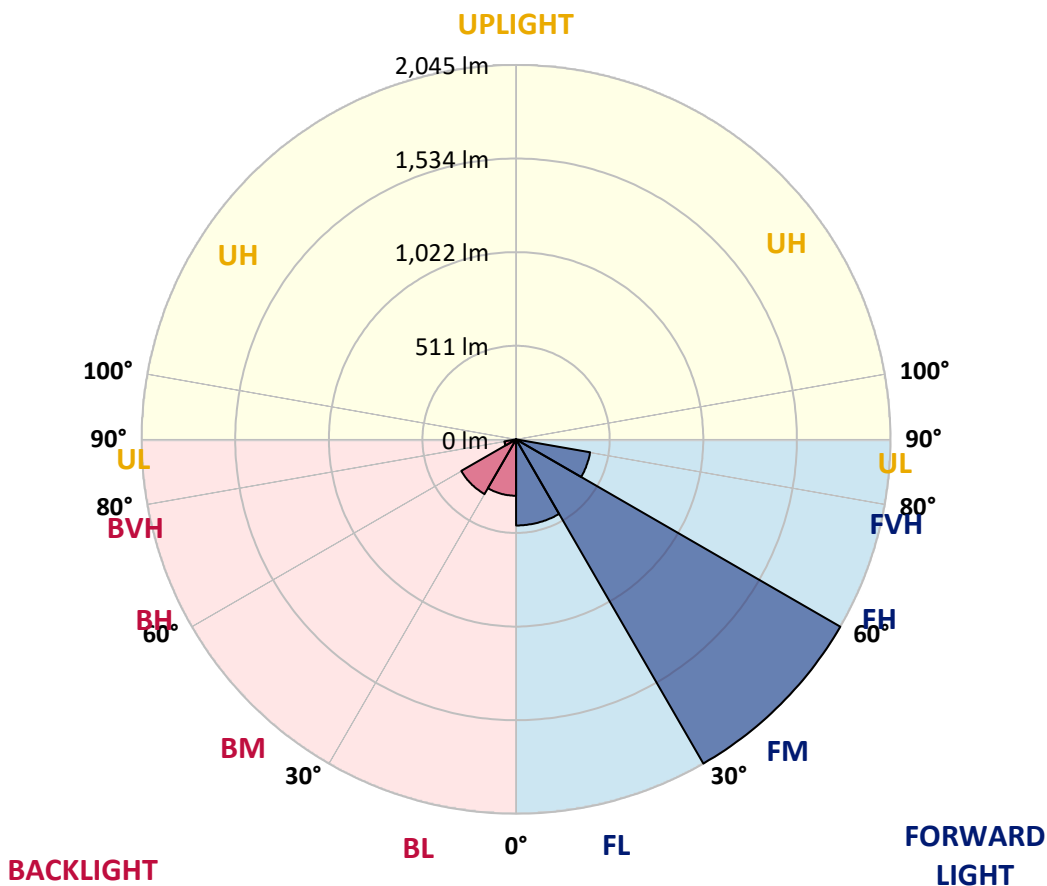
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.4	12.9			
FM (30°-60°)	2044.8	56.1			
FH (60°-80°)	410.6	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	307.9	8.4	B1/500		
BM (30°-60°)	345.3	9.5	B1/1000		
BH (60°-80°)	64.8	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5
2.5°	1187.7	1188.6	1189.1	1201.1	1205.5	1223.3	1232.7	1237.6	1250.5	1265.6	1278.0
5°	1108.1	1106.8	1109.0	1124.1	1133.9	1160.2	1174.4	1184.2	1212.6	1248.2	1278.0
7.5°	1038.7	1041.4	1044.0	1060.5	1075.2	1103.7	1124.1	1138.8	1178.4	1231.3	1281.6
10°	989.8	989.8	993.8	1012.5	1029.8	1065.0	1085.4	1104.1	1151.3	1216.2	1285.6
12.5°	953.7	954.2	959.1	980.4	1000.5	1036.9	1058.3	1076.5	1128.6	1201.1	1286.5
15°	936.8	935.5	939.5	962.2	984.4	1018.7	1040.9	1058.7	1112.6	1192.6	1290.9
17.5°	932.4	931.5	934.6	956.9	979.5	1012.9	1034.7	1052.5	1110.3	1195.3	1304.3
20°	945.3	943.5	942.2	961.3	982.7	1015.6	1038.3	1058.3	1121.0	1210.0	1324.7
22.5°	976.0	976.0	972.9	982.2	996.5	1026.3	1049.8	1076.1	1149.0	1239.3	1355.0
25°	1032.5	1028.0	1022.3	1026.3	1024.5	1043.2	1071.2	1107.7	1202.0	1287.8	1391.9
27.5°	1097.0	1101.0	1091.2	1091.6	1076.1	1069.4	1101.9	1157.0	1280.7	1356.3	1446.6
30°	1184.6	1181.5	1182.0	1180.6	1144.6	1113.0	1148.1	1221.5	1379.9	1460.9	1517.8
32.5°	1253.1	1257.6	1272.3	1280.7	1233.6	1182.8	1220.2	1309.2	1492.9	1580.1	1605.0
35°	1325.6	1333.6	1363.4	1391.0	1351.4	1293.2	1333.2	1425.3	1599.2	1698.0	1705.1
37.5°	1402.1	1418.2	1453.8	1502.2	1496.0	1444.4	1480.9	1561.8	1682.8	1769.1	1787.8
40°	1489.8	1505.4	1563.6	1633.5	1648.1	1636.6	1648.6	1695.7	1738.0	1772.3	1823.4
42.5°	1585.9	1607.2	1681.1	1774.5	1829.6	1839.9	1811.9	1807.0	1762.0	1736.7	1815.9
45°	1699.3	1724.2	1807.8	1928.8	2016.5	2030.3	1981.8	1919.1	1777.2	1710.4	1793.2
47.5°	1826.5	1850.1	1933.3	2078.8	2209.1	2214.4	2129.9	2028.9	1822.1	1740.7	1810.5
50°	1869.2	1883.9	1956.0	2126.8	2367.0	2407.9	2285.6	2152.6	1912.4	1829.6	1895.0
52.5°	1722.4	1728.2	1790.9	1963.5	2335.0	2597.9	2512.9	2337.2	2073.0	1965.3	2025.4
55°	1364.8	1355.4	1406.2	1564.5	2029.4	2559.2	2718.9	2627.3	2279.8	2124.6	2194.9
57.5°	954.6	943.5	931.9	1039.2	1514.3	2169.5	2505.4	2667.7	2476.9	2282.5	2377.7
60°	784.7	774.0	718.0	668.6	915.5	1557.8	1924.4	2230.0	2460.9	2274.5	2371.9
62.5°	677.9	671.7	649.0	581.9	538.7	889.2	1205.1	1497.8	1888.4	1786.1	1791.4
65°	532.5	530.7	546.3	553.4	476.4	492.0	614.8	778.5	1020.9	962.6	912.8
67.5°	363.9	359.9	389.2	478.7	458.2	388.3	359.9	363.0	441.7	270.0	214.4
70°	231.3	222.0	222.4	296.7	372.8	306.5	277.6	244.2	219.8	40.0	45.4
72.5°	148.1	142.4	122.3	133.9	172.6	149.5	150.8	129.9	86.7	21.4	24.9
75°	62.3	57.4	44.0	35.1	34.7	21.8	19.1	17.8	12.0	12.0	12.9
77.5°	0.4	0.0	0.0	0.4	0.9	0.4	0.4	0.9	1.8	2.7	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5	1278.5
2.5°	1285.6	1274.9	1286.9	1291.4	1290.9	1291.4	1278.5	1269.6	1269.1	1258.0	1252.7
5°	1290.5	1282.0	1290.9	1285.2	1271.4	1254.0	1230.9	1210.9	1202.0	1189.1	1182.8
7.5°	1299.8	1290.9	1289.6	1266.5	1232.2	1195.7	1154.8	1118.3	1098.8	1075.2	1076.5
10°	1306.5	1296.3	1278.9	1231.8	1174.8	1116.6	1055.6	1001.3	967.1	935.5	930.2
12.5°	1309.2	1294.1	1253.6	1182.4	1102.3	1026.3	936.8	859.4	806.1	764.7	758.9
15°	1314.1	1289.6	1221.1	1122.8	1012.9	905.3	791.4	685.5	614.8	567.2	571.2
17.5°	1321.6	1284.7	1184.6	1056.1	916.8	764.7	610.8	489.3	424.4	396.8	397.2
20°	1332.3	1278.9	1144.6	982.7	801.6	605.9	427.1	335.4	317.2	316.3	314.9
22.5°	1346.5	1273.1	1101.9	902.1	665.0	424.4	284.3	255.8	263.3	278.0	280.7
25°	1363.4	1266.0	1054.3	811.4	516.0	278.5	213.1	208.6	226.9	246.4	250.9
27.5°	1389.7	1262.5	1000.0	708.2	362.1	199.7	174.4	177.0	193.5	210.0	214.0
30°	1434.2	1269.1	940.8	592.5	232.7	159.3	151.2	155.3	164.1	172.6	176.2
32.5°	1494.7	1288.7	883.5	466.2	165.9	138.3	136.6	138.8	142.4	147.2	148.6
35°	1565.4	1322.5	824.3	333.6	137.0	126.3	124.6	124.6	126.3	127.2	127.7
37.5°	1623.7	1358.1	768.7	222.0	122.8	117.0	114.3	113.0	112.5	113.4	113.9
40°	1649.0	1372.8	708.2	161.5	112.5	108.5	104.5	100.5	100.5	103.6	104.1
42.5°	1631.2	1356.3	638.4	133.5	105.4	99.6	93.4	89.9	91.6	94.8	95.6
45°	1593.4	1315.8	561.4	117.9	98.3	90.7	83.6	81.4	83.2	87.2	88.1
47.5°	1587.2	1289.2	469.3	107.7	90.7	83.2	75.6	73.4	75.6	78.7	79.6
50°	1649.0	1312.3	367.0	98.8	83.6	75.2	69.0	66.7	68.1	69.8	70.7
52.5°	1762.0	1398.1	296.3	90.3	75.2	67.2	63.2	60.5	60.5	62.3	62.7
55°	1928.8	1548.1	255.8	80.5	65.4	60.9	57.4	54.7	54.7	55.6	56.1
57.5°	2121.0	1729.6	265.1	67.6	57.4	55.2	52.0	49.8	50.7	50.7	50.7
60°	2094.3	1716.2	283.8	56.9	50.7	49.8	47.2	46.3	48.5	46.7	45.8
62.5°	1542.7	1185.5	148.6	46.7	43.6	42.7	40.9	42.7	45.8	40.9	39.1
65°	749.1	573.8	59.6	38.3	36.9	36.0	35.1	37.8	39.6	32.0	30.2
67.5°	176.2	143.2	38.7	32.5	30.7	28.9	29.8	30.2	28.9	21.8	20.9
70°	45.8	44.9	30.2	27.1	24.5	22.7	22.7	22.2	19.1	13.8	12.9
72.5°	24.9	24.5	21.8	20.5	16.9	15.1	15.6	13.8	10.7	8.0	7.6
75°	12.5	13.3	12.5	11.6	9.3	8.5	8.5	7.6	5.3	3.1	3.1
77.5°	2.7	3.1	3.1	2.7	2.2	1.8	1.8	2.2	0.9	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)