

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: P631955

Luminaire Tested: GWS-SA2B-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631955
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4366.9 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

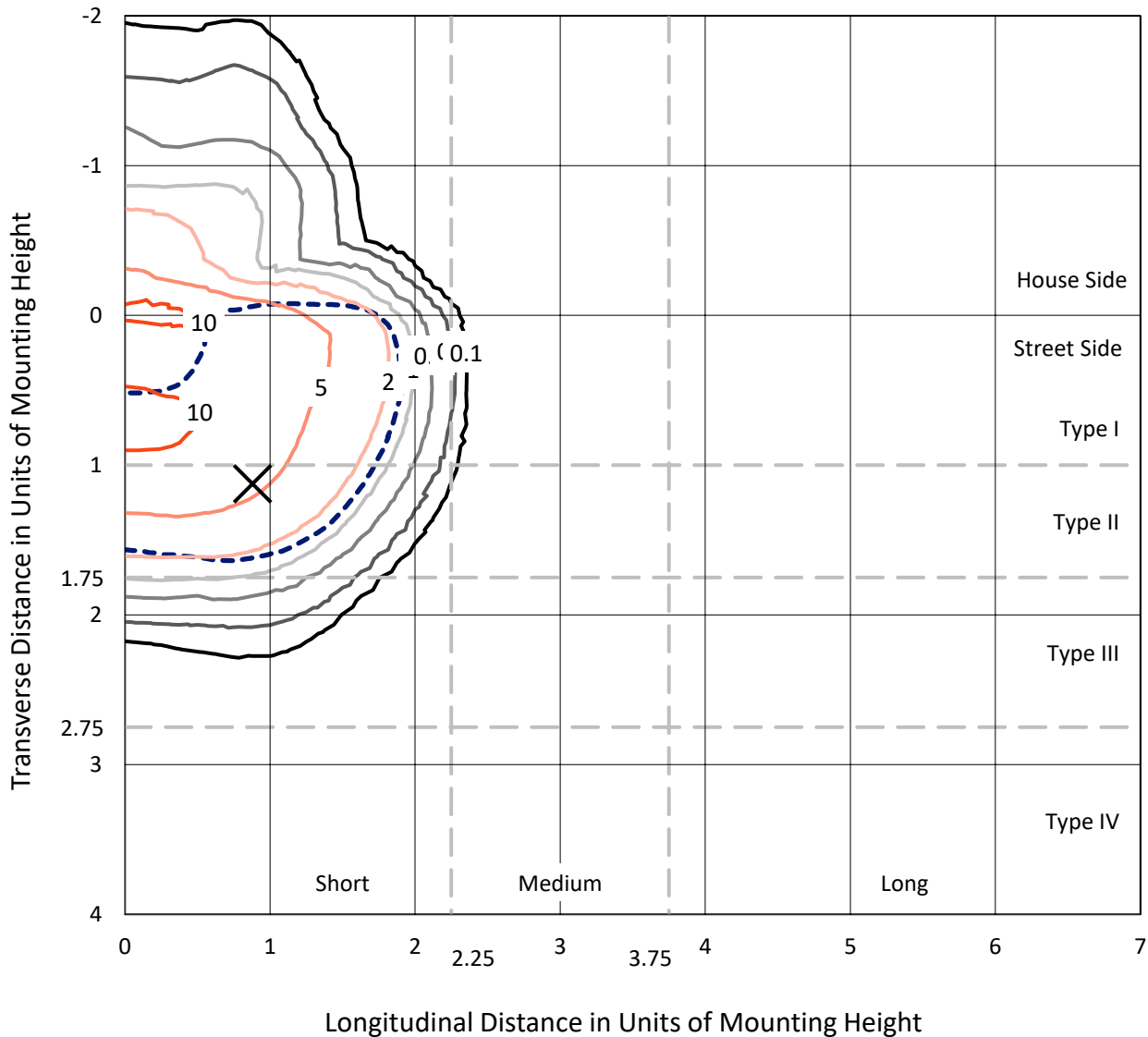
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

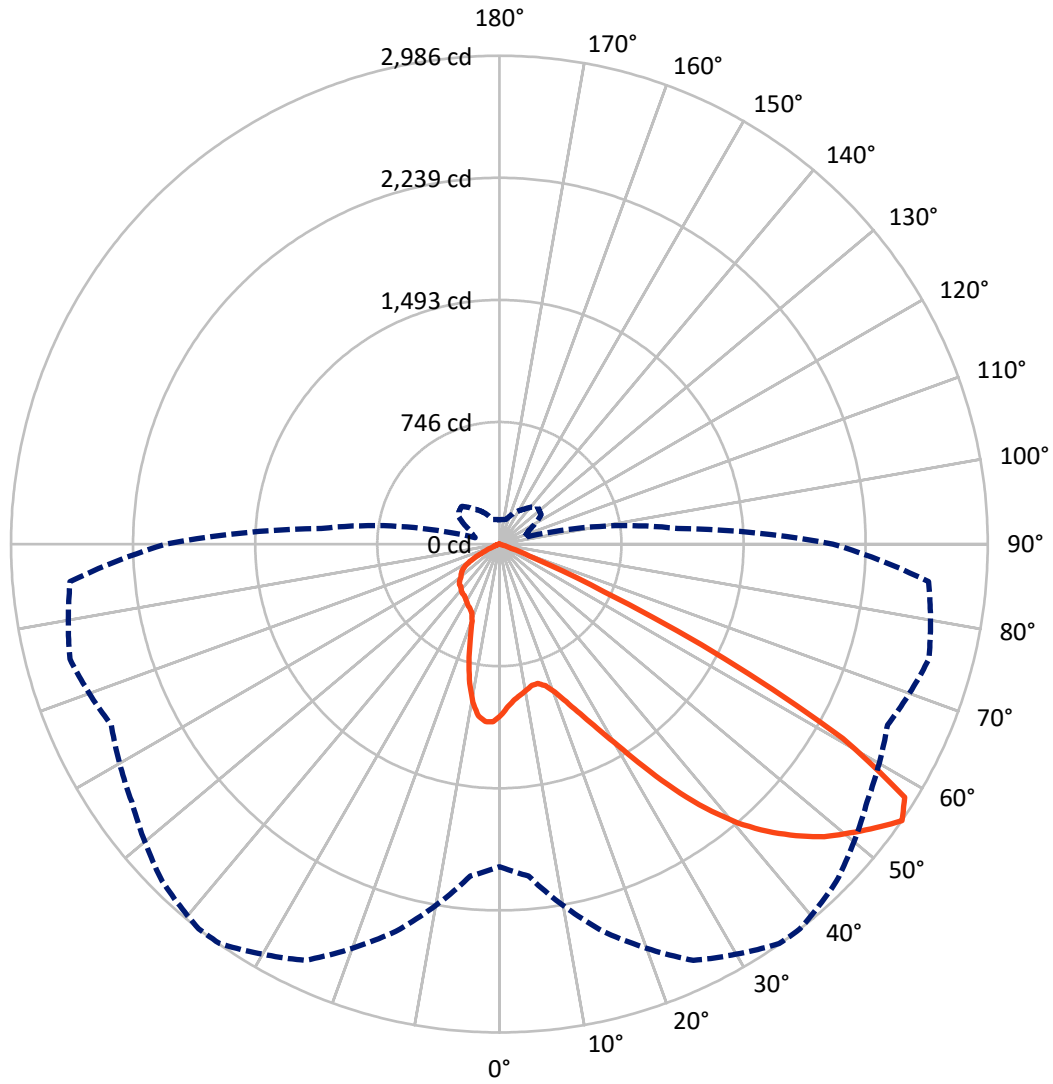
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	850.8	0.0	850.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3516.1	0.0	3516.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	4366.9	0.0	4366.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	2.2
10°-20°	260.7	6.0
20°-30°	447.3	10.2
30°-40°	741.9	17.0
40°-50°	1090.7	25.0
50°-60°	1274.5	29.2
60°-70°	432.0	9.9
70°-80°	22.1	0.5
80°-90°	0.9	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°	4366.9	100.0
0°-180°	4366.9	100.0

Coefficient of Utilization



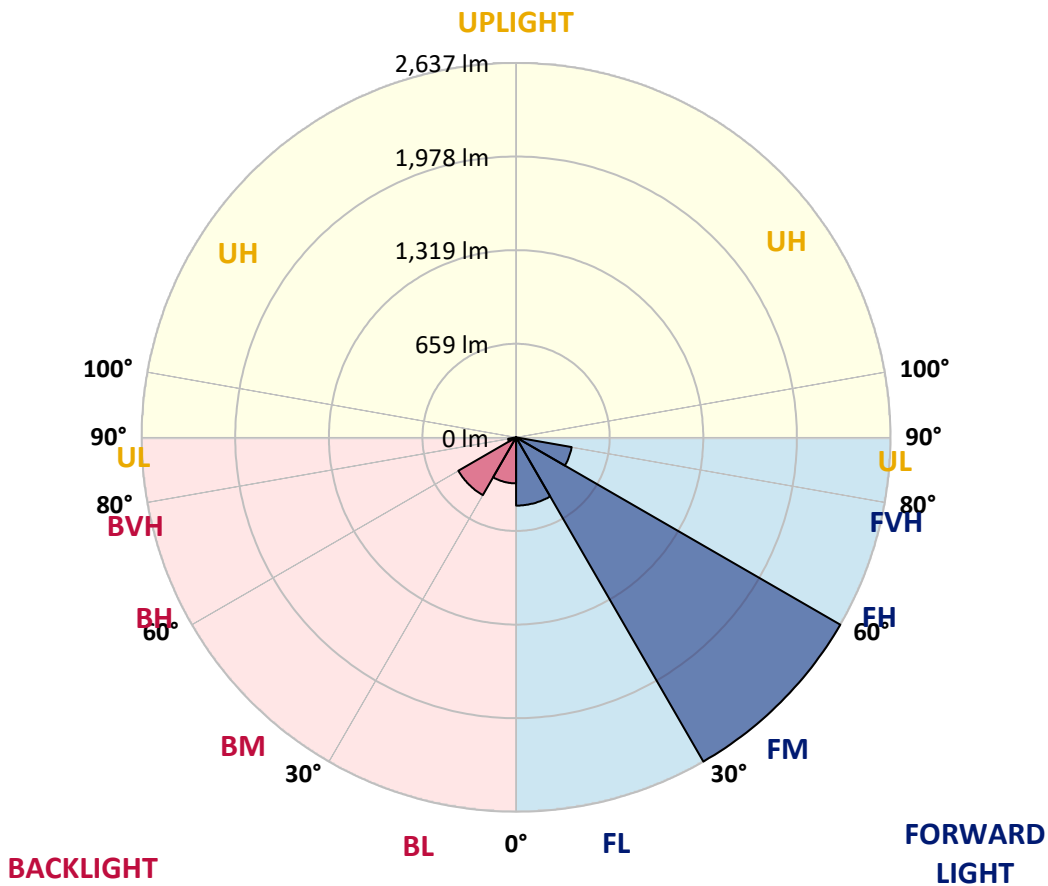
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	480.7	11.0			
FM (30°-60°)	2637.5	60.4			
FH (60°-80°)	397.5	9.1			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	324.1	7.4	B1/500		
BM (30°-60°)	469.6	10.8	B1/1000		
BH (60°-80°)	56.6	1.3	B0/110		G0/110
BVH (80°-90°)	0.4	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°	38°	45°	55°	65°	75°	85°
0°	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2
2.5°	975.3	973.3	977.3	985.3	992.8	995.3	1002.8	1013.3	1019.8	1035.2	1047.7
5°	931.4	930.4	934.4	941.4	951.4	954.9	966.4	983.8	1001.3	1028.2	1054.7
7.5°	891.5	891.0	897.0	912.4	926.9	931.4	945.4	966.9	990.3	1031.7	1070.7
10°	839.1	839.6	851.1	873.0	899.5	908.5	930.9	961.9	992.3	1045.7	1099.6
12.5°	822.1	823.1	829.1	846.1	875.0	886.5	917.9	964.9	1003.8	1065.7	1137.1
15°	863.5	863.5	858.5	860.5	873.5	884.0	916.9	974.8	1023.3	1089.6	1174.0
17.5°	943.9	940.9	928.4	911.4	907.0	910.4	936.9	996.3	1050.7	1117.6	1215.9
20°	1052.7	1053.7	1029.2	993.8	965.4	964.9	980.8	1034.2	1090.1	1151.0	1261.4
22.5°	1184.5	1180.5	1148.0	1099.6	1050.2	1046.2	1052.7	1092.1	1147.0	1203.9	1317.3
25°	1337.2	1335.2	1289.3	1224.4	1159.0	1149.5	1149.5	1188.5	1228.4	1279.3	1384.1
27.5°	1496.9	1496.9	1452.5	1377.7	1290.8	1273.8	1271.3	1317.3	1343.7	1353.7	1440.5
30°	1661.2	1659.2	1615.2	1538.4	1445.5	1428.1	1421.1	1455.0	1474.0	1444.0	1510.9
32.5°	1827.9	1831.4	1787.0	1715.6	1632.7	1621.2	1599.8	1599.8	1615.2	1573.3	1621.7
35°	2007.1	2006.1	1971.1	1922.7	1851.8	1838.9	1803.4	1748.0	1771.5	1753.0	1775.0
37.5°	2165.3	2172.8	2155.8	2119.9	2062.5	2049.5	1991.1	1890.8	1908.7	1937.7	1957.2
40°	2326.0	2332.0	2349.0	2337.5	2265.1	2241.2	2137.4	1972.6	1992.6	2091.9	2147.8
42.5°	2483.8	2486.8	2521.2	2540.2	2443.3	2401.4	2248.2	2022.6	2043.5	2212.7	2310.6
45°	2584.1	2590.6	2647.5	2705.4	2600.6	2543.2	2344.5	2086.4	2095.4	2296.6	2430.9
47.5°	2580.1	2595.1	2701.9	2807.2	2735.8	2673.9	2460.3	2188.8	2173.8	2375.5	2510.2
50°	2499.7	2517.7	2671.0	2838.2	2833.2	2775.8	2589.1	2337.0	2290.1	2445.3	2520.2
52.5°	2333.0	2384.9	2616.5	2842.2	2911.5	2882.6	2748.3	2536.7	2447.3	2545.7	2536.2
55°	1972.6	2036.5	2451.3	2808.2	2982.4	2985.9	2915.5	2744.8	2618.0	2718.4	2634.5
57.5°	1497.4	1548.4	1886.8	2499.7	2865.1	2922.5	2980.4	2854.6	2723.4	2836.2	2657.5
60°	902.5	961.4	1181.5	1834.4	2314.1	2411.9	2639.0	2614.5	2456.3	2504.7	2179.3
62.5°	365.9	396.8	545.6	1010.8	1456.5	1547.9	1765.5	1802.4	1763.5	1714.1	1321.7
65°	133.8	146.3	218.6	417.8	669.9	703.3	818.1	883.5	937.4	798.1	491.7
67.5°	82.9	90.8	142.3	214.6	243.6	226.6	230.6	275.0	262.6	162.2	87.9
70°	61.4	67.9	111.3	148.7	98.3	75.9	51.4	54.9	49.4	43.4	42.9
72.5°	42.4	48.4	83.4	87.9	37.9	27.0	19.0	26.5	29.9	29.4	30.4
75°	28.0	32.4	52.4	34.4	9.5	7.5	6.5	14.0	18.0	18.0	18.5
77.5°	16.5	19.0	18.5	7.0	2.0	2.0	1.5	2.5	4.0	4.5	5.5
80°	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
82.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
85°	0.0	0.0	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5
87.5°	0.0	0.0	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5
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°	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2	1047.2
2.5°	1057.2	1053.7	1068.2	1078.7	1087.1	1091.1	1085.7	1085.2	1085.2	1074.2	1071.2
5°	1069.7	1071.2	1091.6	1100.6	1102.1	1097.1	1084.7	1076.2	1071.2	1059.7	1053.2
7.5°	1093.6	1098.6	1118.1	1116.6	1103.1	1080.2	1047.2	1021.8	1005.3	987.3	976.3
10°	1128.1	1137.6	1149.5	1128.6	1085.7	1027.3	959.4	910.9	882.0	861.5	849.1
12.5°	1170.0	1179.5	1175.5	1126.1	1036.7	932.4	845.1	775.2	741.7	723.3	710.3
15°	1212.4	1218.4	1192.5	1096.1	950.4	810.1	712.8	643.4	602.5	587.5	576.5
17.5°	1255.9	1254.4	1195.5	1037.2	835.1	672.4	576.5	529.1	517.6	515.1	514.1
20°	1301.3	1287.8	1183.5	952.9	696.3	536.1	481.7	484.7	505.6	515.6	517.6
22.5°	1353.2	1319.3	1153.5	838.6	554.6	446.7	452.2	481.7	510.1	523.6	525.6
25°	1408.6	1348.2	1103.6	691.8	437.3	410.8	443.2	477.2	507.6	524.1	526.1
27.5°	1445.0	1355.2	1021.8	544.1	375.4	396.8	431.3	463.7	495.2	513.1	515.6
30°	1484.5	1352.2	910.4	419.3	354.4	384.8	414.8	444.2	473.2	493.2	495.2
32.5°	1542.4	1350.2	774.7	340.4	345.9	375.4	397.3	421.8	441.7	453.2	451.7
35°	1618.2	1347.7	616.4	307.0	340.9	367.9	385.3	396.8	374.9	367.9	369.4
37.5°	1715.6	1353.7	483.2	293.0	339.4	365.9	380.9	347.9	314.0	301.0	299.0
40°	1823.4	1369.2	368.4	287.5	344.4	370.9	363.9	309.5	267.5	242.1	236.6
42.5°	1931.7	1386.1	291.5	285.5	352.9	384.8	335.9	281.5	218.6	204.2	202.2
45°	2012.1	1383.1	252.1	282.0	360.4	392.8	328.4	241.6	195.2	188.7	189.2
47.5°	2052.5	1350.2	230.6	274.0	363.4	384.8	310.0	225.1	179.2	186.2	192.2
50°	2031.0	1264.8	210.6	258.6	356.9	374.4	280.5	212.6	171.2	200.2	213.6
52.5°	2005.1	1160.0	188.7	234.6	341.4	359.9	269.0	209.1	166.2	193.2	203.2
55°	2039.5	1093.6	152.7	197.7	311.0	325.9	260.1	208.6	154.7	150.2	148.7
57.5°	1991.1	961.4	109.3	142.3	238.6	258.1	253.6	205.2	137.3	136.8	138.8
60°	1538.9	586.5	74.9	90.3	146.3	164.7	230.1	196.2	118.3	108.8	109.3
62.5°	874.5	249.6	51.4	55.9	74.9	88.8	175.7	178.2	109.3	103.8	109.3
65°	304.5	89.3	39.9	37.4	41.4	47.4	100.8	137.8	99.3	89.8	90.8
67.5°	62.9	44.4	35.4	30.9	30.9	30.9	51.4	85.9	81.9	71.4	72.4
70°	39.9	37.9	30.9	26.5	25.5	23.5	29.4	47.4	56.4	51.9	52.4
72.5°	29.4	29.0	24.5	21.5	19.0	17.0	18.5	23.5	29.0	29.9	30.4
75°	18.0	18.5	16.0	13.5	12.0	10.5	11.0	11.0	11.0	10.0	11.0
77.5°	5.5	6.0	5.0	4.0	3.5	3.5	3.5	3.0	2.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5	1.0	1.0	0.5	0.5	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	1.0	1.0	0.5	0.5	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)