

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: P630965

Luminaire Tested: GWS-SA1E-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630965
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-SA1E-760-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4794.9 lumens
Efficiency: N/A
Efficacy: 82.1 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

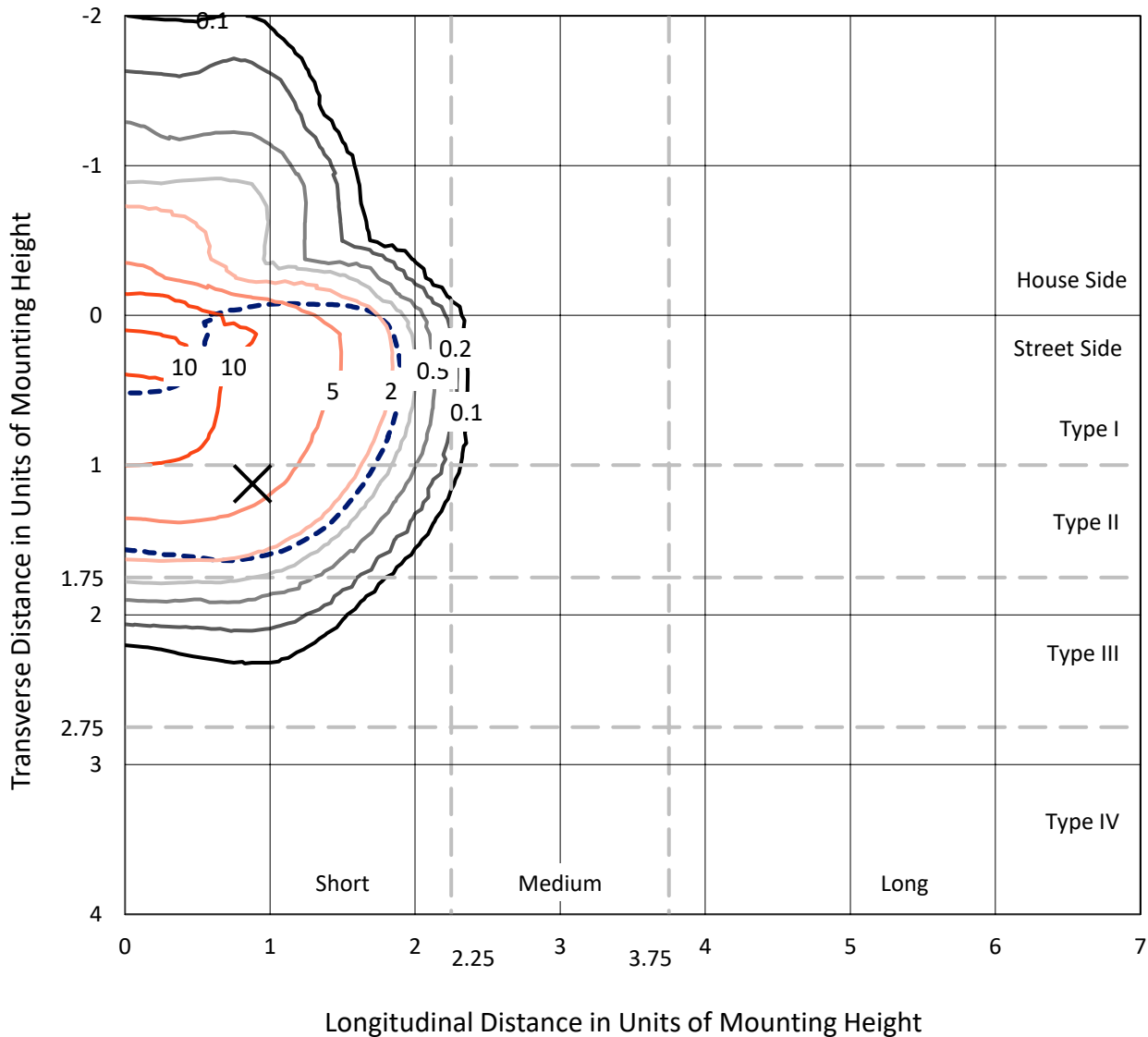
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

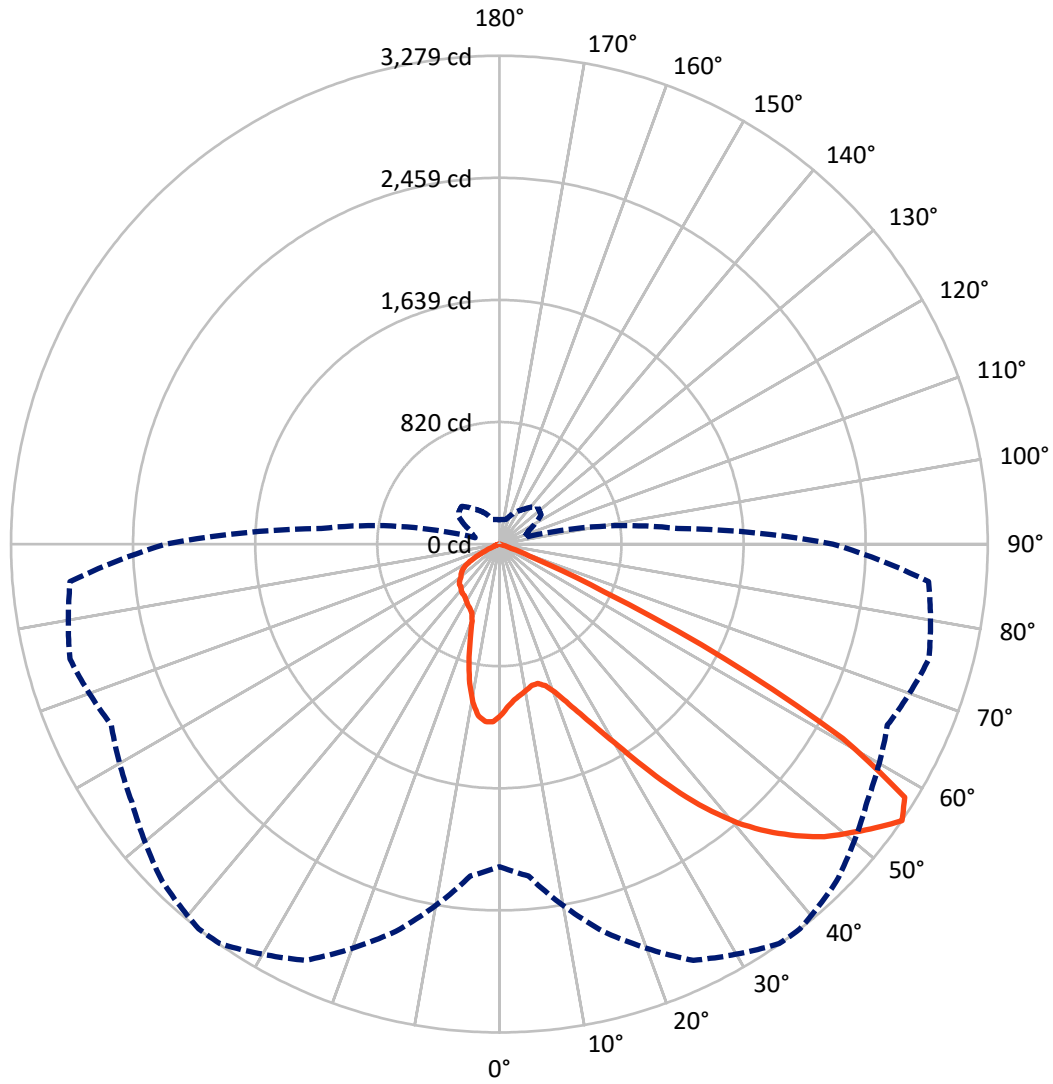
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 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	934.2	0.0	934.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3860.7	0.0	3860.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	4794.9	0.0	4794.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	2.2
10°-20°	286.2	6.0
20°-30°	491.2	10.2
30°-40°	814.6	17.0
40°-50°	1197.6	25.0
50°-60°	1399.4	29.2
60°-70°	474.4	9.9
70°-80°	24.2	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°	4794.9	100.0
0°-180°	4794.9	100.0

Coefficient of Utilization



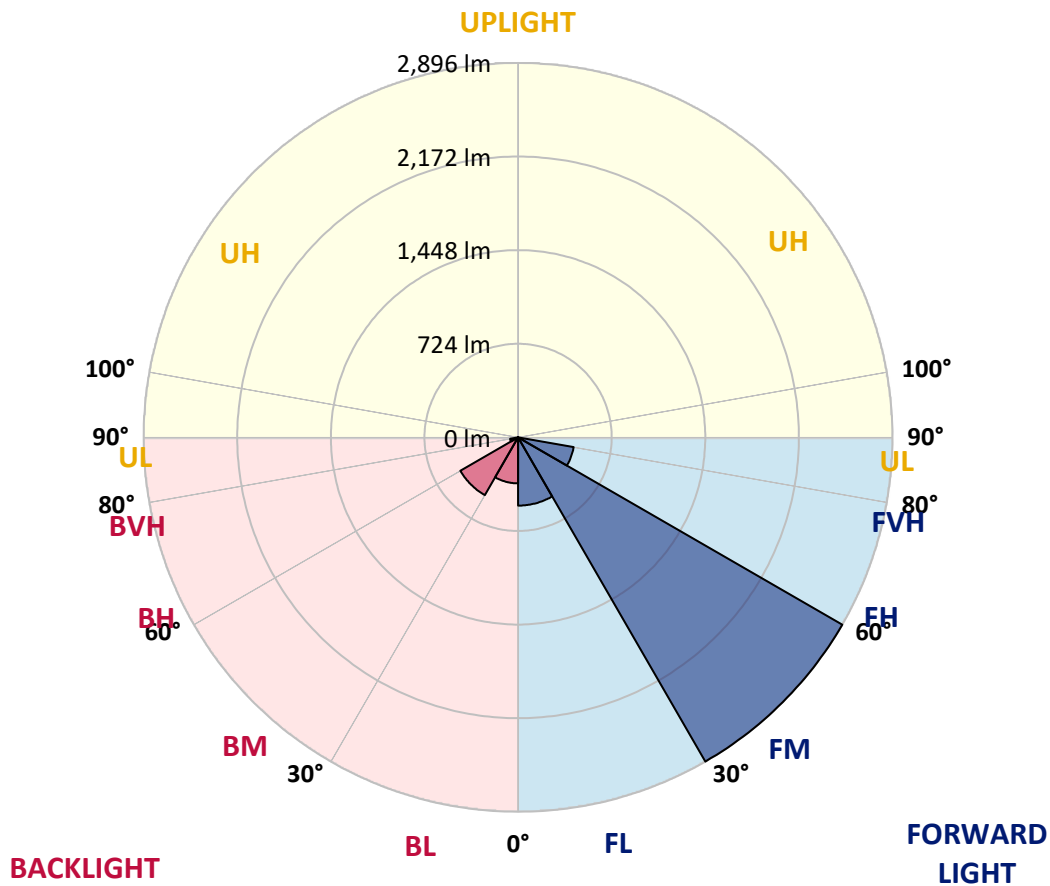
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.8	11.0			
FM (30°-60°)	2896.0	60.4			
FH (60°-80°)	436.4	9.1			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	355.9	7.4	B1/500		
BM (30°-60°)	515.6	10.8	B1/1000		
BH (60°-80°)	62.2	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°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1070.9	1068.7	1073.1	1081.9	1090.1	1092.9	1101.1	1112.6	1119.7	1136.7	1150.4
5°	1022.7	1021.6	1026.0	1033.7	1044.6	1048.5	1061.1	1080.2	1099.4	1129.0	1158.1
7.5°	978.9	978.3	984.9	1001.9	1017.8	1022.7	1038.0	1061.6	1087.4	1132.9	1175.6
10°	921.3	921.9	934.5	958.6	987.6	997.5	1022.2	1056.1	1089.6	1148.2	1207.4
12.5°	902.7	903.8	910.3	929.0	960.8	973.4	1007.9	1059.4	1102.2	1170.1	1248.5
15°	948.2	948.2	942.7	944.9	959.1	970.6	1006.8	1070.4	1123.5	1196.4	1289.1
17.5°	1036.4	1033.1	1019.4	1000.8	995.8	999.7	1028.7	1094.0	1153.7	1227.1	1335.1
20°	1155.9	1157.0	1130.1	1091.2	1060.0	1059.4	1077.0	1135.6	1197.0	1263.9	1385.0
22.5°	1300.6	1296.2	1260.6	1207.4	1153.1	1148.8	1155.9	1199.2	1259.5	1321.9	1446.4
25°	1468.3	1466.1	1415.7	1344.4	1272.6	1262.2	1262.2	1305.0	1348.8	1404.7	1519.8
27.5°	1643.7	1643.7	1594.9	1512.7	1417.3	1398.7	1395.9	1446.4	1475.4	1486.4	1581.7
30°	1824.0	1821.8	1773.6	1689.2	1587.2	1568.0	1560.4	1597.6	1618.5	1585.6	1659.0
32.5°	2007.0	2010.9	1962.1	1883.7	1792.7	1780.1	1756.6	1756.6	1773.6	1727.5	1780.7
35°	2203.8	2202.7	2164.3	2111.2	2033.3	2019.1	1980.2	1919.3	1945.1	1924.8	1948.9
37.5°	2377.5	2385.8	2367.1	2327.7	2264.6	2250.4	2186.3	2076.1	2095.8	2127.6	2149.0
40°	2554.0	2560.6	2579.2	2566.6	2487.1	2460.8	2346.8	2166.0	2187.9	2297.0	2358.4
42.5°	2727.2	2730.5	2768.3	2789.1	2682.8	2636.8	2468.5	2220.8	2243.8	2429.6	2537.0
45°	2837.4	2844.5	2907.0	2970.5	2855.5	2792.4	2574.3	2290.9	2300.8	2521.7	2669.1
47.5°	2833.0	2849.4	2966.7	3082.4	3004.0	2936.0	2701.4	2403.3	2386.9	2608.3	2756.3
50°	2744.7	2764.5	2932.7	3116.3	3110.9	3047.8	2842.8	2566.1	2514.6	2685.0	2767.2
52.5°	2561.7	2618.7	2873.0	3120.7	3196.9	3165.1	3017.7	2785.3	2687.2	2795.2	2784.8
55°	2166.0	2236.1	2691.6	3083.4	3274.7	3278.6	3201.3	3013.8	2874.6	2984.8	2892.7
57.5°	1644.2	1700.1	2071.7	2744.7	3145.9	3209.0	3272.5	3134.4	2990.3	3114.1	2917.9
60°	990.9	1055.6	1297.3	2014.2	2540.9	2648.3	2897.7	2870.8	2697.1	2750.2	2392.9
62.5°	401.7	435.7	599.0	1109.8	1599.3	1699.6	1938.5	1979.1	1936.3	1882.1	1451.3
65°	146.9	160.6	240.1	458.7	735.5	772.2	898.3	970.1	1029.3	876.4	539.9
67.5°	91.0	99.7	156.2	235.7	267.5	248.8	253.2	302.0	288.3	178.1	96.5
70°	67.4	74.5	122.2	163.3	108.0	83.3	56.5	60.3	54.3	47.7	47.1
72.5°	46.6	53.2	91.5	96.5	41.7	29.6	20.8	29.0	32.9	32.3	33.4
75°	30.7	35.6	57.5	37.8	10.4	8.2	7.1	15.3	19.7	19.7	20.3
77.5°	18.1	20.8	20.3	7.7	2.2	2.2	1.6	2.7	4.4	4.9	6.0
80°	2.2	1.6	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6
82.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
85°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6	1.6
87.5°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6	1.6
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°	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9	1149.9
2.5°	1160.8	1157.0	1172.9	1184.4	1193.7	1198.1	1192.1	1191.5	1191.5	1179.4	1176.2
5°	1174.5	1176.2	1198.6	1208.5	1210.1	1204.7	1191.0	1181.6	1176.2	1163.6	1156.4
7.5°	1200.8	1206.3	1227.7	1226.0	1211.2	1186.0	1149.9	1121.9	1103.8	1084.1	1072.0
10°	1238.6	1249.1	1262.2	1239.2	1192.1	1127.9	1053.4	1000.2	968.4	946.0	932.3
12.5°	1284.7	1295.1	1290.7	1236.4	1138.3	1023.8	927.9	851.2	814.4	794.2	779.9
15°	1331.3	1337.8	1309.3	1203.6	1043.5	889.5	782.6	706.5	661.5	645.1	633.0
17.5°	1378.9	1377.3	1312.6	1138.9	916.9	738.3	633.0	581.0	568.4	565.6	564.5
20°	1428.8	1414.0	1299.5	1046.3	764.6	588.6	528.9	532.2	555.2	566.2	568.4
22.5°	1485.8	1448.6	1266.6	920.8	608.9	490.5	496.6	528.9	560.1	574.9	577.1
25°	1546.7	1480.3	1211.8	759.6	480.1	451.1	486.7	524.0	557.4	575.5	577.7
27.5°	1586.7	1488.0	1121.9	597.4	412.1	435.7	473.5	509.2	543.7	563.4	566.2
30°	1630.0	1484.7	999.7	460.4	389.1	422.6	455.4	487.8	519.6	541.5	543.7
32.5°	1693.5	1482.5	850.6	373.8	379.8	412.1	436.3	463.1	485.0	497.6	496.0
35°	1776.8	1479.8	676.9	337.1	374.3	403.9	423.1	435.7	411.6	403.9	405.6
37.5°	1883.7	1486.4	530.5	321.7	372.7	401.7	418.2	382.0	344.7	330.5	328.3
40°	2002.1	1503.4	404.5	315.7	378.2	407.2	399.5	339.8	293.8	265.8	259.8
42.5°	2121.0	1522.0	320.1	313.5	387.5	422.6	368.9	309.1	240.1	224.2	222.0
45°	2209.3	1518.7	276.8	309.7	395.7	431.3	360.6	265.3	214.3	207.2	207.7
47.5°	2253.7	1482.5	253.2	300.9	399.0	422.6	340.4	247.2	196.8	204.4	211.0
50°	2230.1	1388.8	231.3	283.9	391.9	411.1	308.0	233.5	188.0	219.8	234.6
52.5°	2201.6	1273.7	207.2	257.6	374.9	395.2	295.4	229.6	182.5	212.1	223.1
55°	2239.4	1200.8	167.7	217.0	341.4	357.9	285.5	229.1	169.9	165.0	163.3
57.5°	2186.3	1055.6	120.0	156.2	262.0	283.4	278.4	225.3	150.7	150.2	152.4
60°	1689.7	644.0	82.2	99.2	160.6	180.9	252.7	215.4	129.9	119.5	120.0
62.5°	960.2	274.0	56.5	61.4	82.2	97.6	192.9	195.7	120.0	114.0	120.0
65°	334.3	98.1	43.8	41.1	45.5	52.1	110.7	151.3	109.1	98.7	99.7
67.5°	69.1	48.8	38.9	34.0	34.0	34.0	56.5	94.3	89.9	78.4	79.5
70°	43.8	41.7	34.0	29.0	28.0	25.8	32.3	52.1	61.9	57.0	57.5
72.5°	32.3	31.8	26.9	23.6	20.8	18.6	20.3	25.8	31.8	32.9	33.4
75°	19.7	20.3	17.5	14.8	13.2	11.5	12.1	12.1	12.1	11.0	12.1
77.5°	6.0	6.6	5.5	4.4	3.8	3.8	3.8	3.3	2.7	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.1	1.1	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)