

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: P634100

Luminaire Tested: GWS-SA3B-722-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634100
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-SA3B-722-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4805.3 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

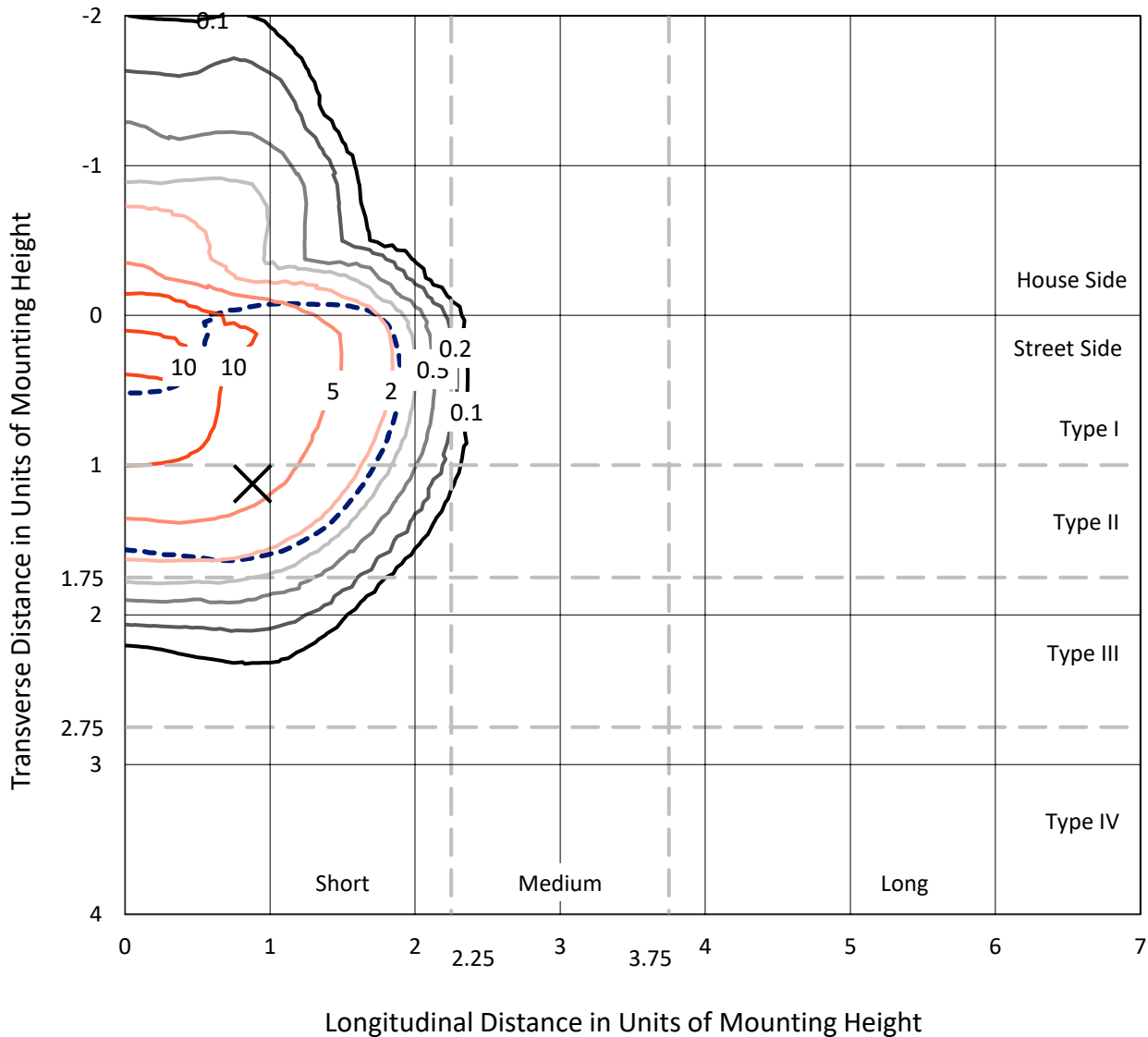
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

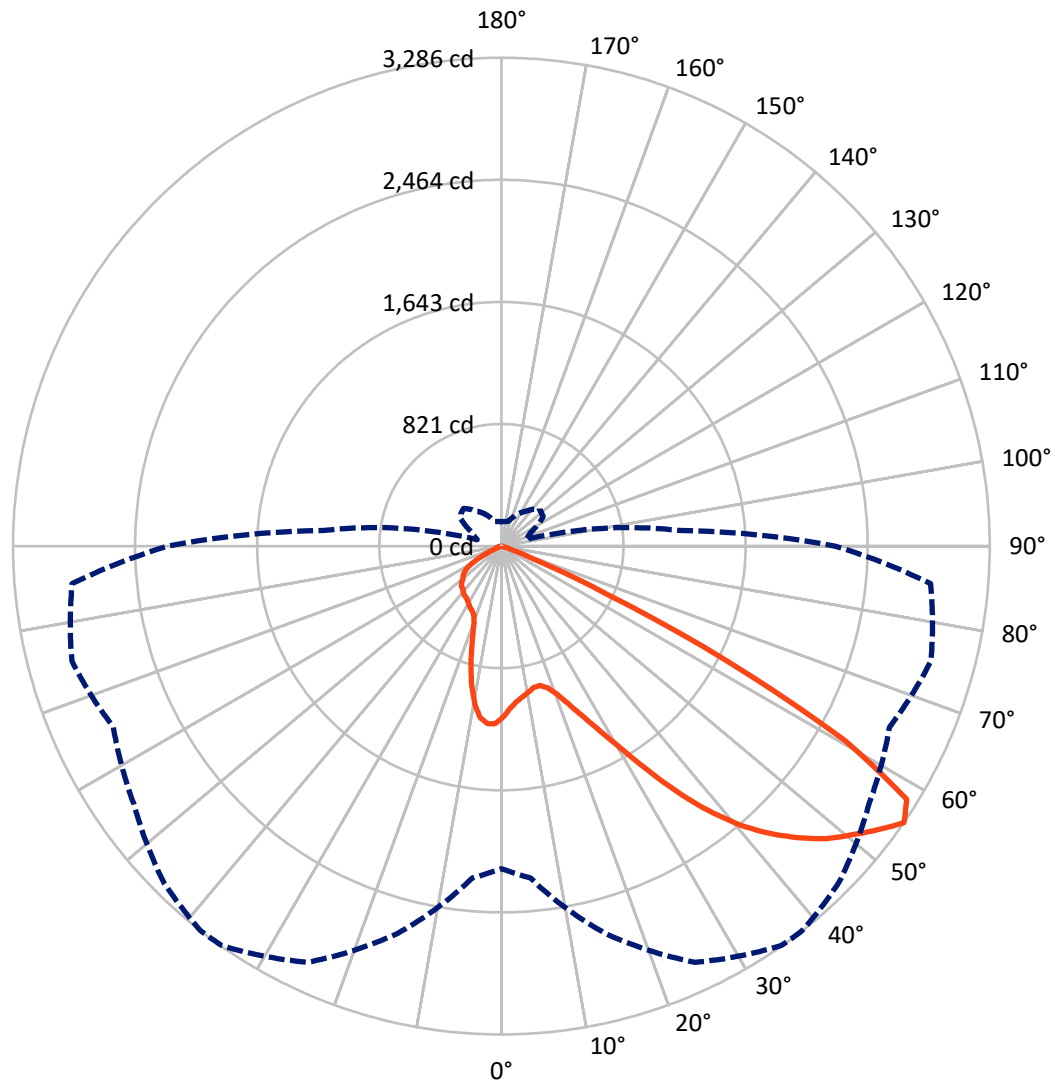
✕ Max cd
 - - - 1/2 Max cd



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	936.2	0.0	936.2
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	3869.1	0.0	3869.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	4805.3	0.0	4805.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	2.2
10°-20°	286.8	6.0
20°-30°	492.2	10.2
30°-40°	816.4	17.0
40°-50°	1200.2	25.0
50°-60°	1402.4	29.2
60°-70°	475.4	9.9
70°-80°	24.3	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°	4805.3	100.0
0°-180°	4805.3	100.0

Coefficient of Utilization



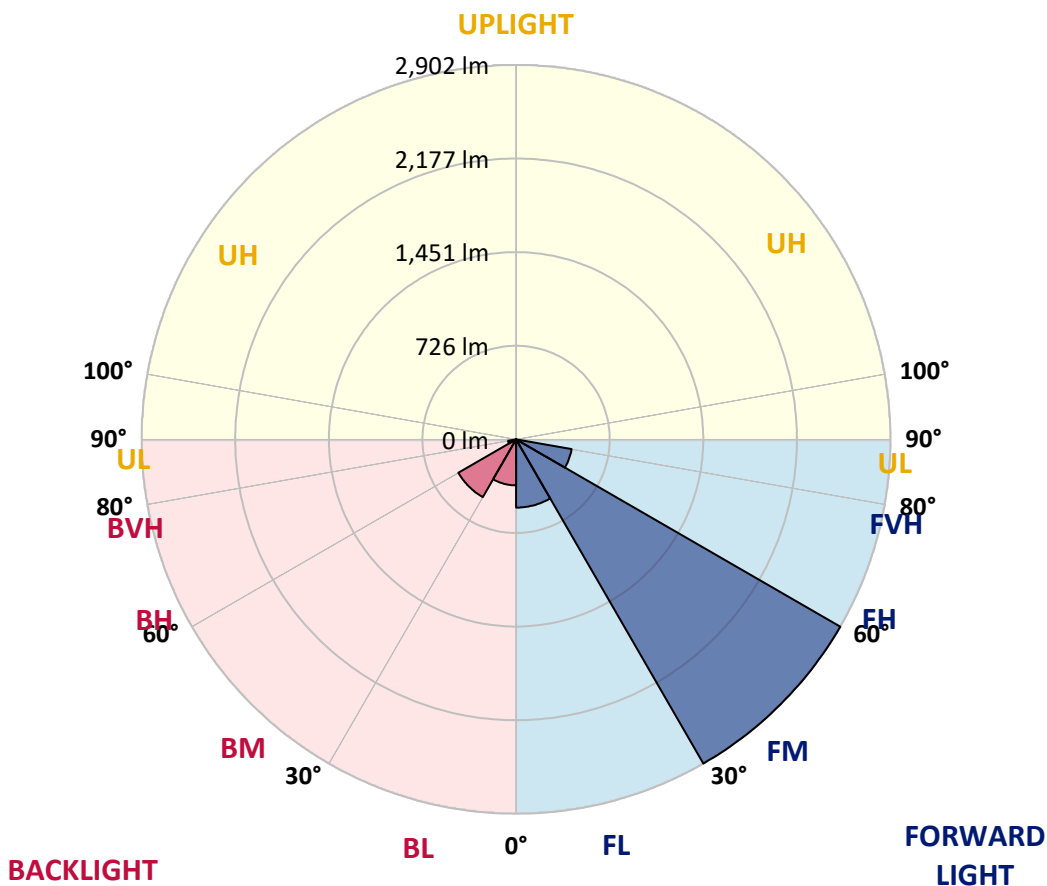
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	528.9	11.0			
FM (30°-60°)	2902.3	60.4			
FH (60°-80°)	437.4	9.1			G0/660
FVH (80°-90°)	0.5	0.0			G0/10
BL (0°-30°)	356.7	7.4	B1/500		
BM (30°-60°)	516.8	10.8	B1/1000		
BH (60°-80°)	62.3	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°	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3
2.5°	1073.3	1071.1	1075.5	1084.2	1092.5	1095.2	1103.5	1115.0	1122.1	1139.2	1152.9
5°	1024.9	1023.8	1028.2	1035.9	1046.9	1050.7	1063.4	1082.6	1101.8	1131.5	1160.6
7.5°	981.0	980.4	987.0	1004.0	1020.0	1024.9	1040.3	1063.9	1089.7	1135.3	1178.2
10°	923.3	923.9	936.5	960.7	989.8	999.7	1024.4	1058.4	1091.9	1150.7	1210.0
12.5°	904.6	905.7	912.3	931.0	962.9	975.5	1010.1	1061.7	1104.6	1172.7	1251.2
15°	950.2	950.2	944.7	946.9	961.2	972.7	1009.0	1072.7	1126.0	1199.0	1291.9
17.5°	1038.7	1035.4	1021.6	1002.9	998.0	1001.9	1031.0	1096.3	1156.2	1229.8	1338.0
20°	1158.4	1159.5	1132.6	1093.6	1062.3	1061.7	1079.3	1138.1	1199.6	1266.6	1388.0
22.5°	1303.4	1299.0	1263.3	1210.0	1155.6	1151.2	1158.4	1201.8	1262.2	1324.8	1449.5
25°	1471.5	1469.3	1418.7	1347.3	1275.4	1264.9	1264.9	1307.8	1351.7	1407.8	1523.1
27.5°	1647.2	1647.2	1598.3	1516.0	1420.4	1401.7	1399.0	1449.5	1478.6	1489.6	1585.2
30°	1827.9	1825.7	1777.4	1692.8	1590.7	1571.4	1563.7	1601.1	1622.0	1589.0	1662.6
32.5°	2011.4	2015.2	1966.4	1887.8	1796.6	1784.0	1760.4	1760.4	1777.4	1731.3	1784.5
35°	2208.6	2207.5	2169.0	2115.7	2037.8	2023.5	1984.5	1923.5	1949.3	1929.0	1953.2
37.5°	2382.7	2390.9	2372.3	2332.7	2269.5	2255.3	2191.0	2080.6	2100.4	2132.2	2153.6
40°	2559.6	2566.1	2584.8	2572.2	2492.5	2466.2	2351.9	2170.7	2192.6	2301.9	2363.5
42.5°	2733.1	2736.4	2774.3	2795.2	2688.6	2642.5	2473.9	2225.6	2248.7	2434.9	2542.5
45°	2843.5	2850.7	2913.3	2977.0	2861.6	2798.5	2579.9	2295.9	2305.8	2527.1	2674.9
47.5°	2839.1	2855.6	2973.1	3089.0	3010.5	2942.4	2707.3	2408.5	2392.0	2613.9	2762.2
50°	2750.7	2770.5	2939.1	3123.1	3117.6	3054.4	2849.0	2571.6	2520.0	2690.8	2773.2
52.5°	2567.2	2624.4	2879.2	3127.5	3203.8	3172.0	3024.2	2791.3	2693.0	2801.2	2790.8
55°	2170.7	2241.0	2697.4	3090.1	3281.8	3285.7	3208.2	3020.4	2880.9	2991.3	2899.0
57.5°	1647.8	1703.8	2076.2	2750.7	3152.8	3215.9	3279.6	3141.2	2996.8	3120.9	2924.3
60°	993.1	1057.9	1300.1	2018.5	2546.4	2654.0	2903.9	2877.0	2702.9	2756.2	2398.1
62.5°	402.6	436.7	600.3	1112.3	1602.7	1703.3	1942.7	1983.4	1940.5	1886.2	1454.4
65°	147.2	160.9	240.6	459.7	737.1	773.9	900.2	972.2	1031.5	878.3	541.0
67.5°	91.2	100.0	156.5	236.2	268.0	249.4	253.8	302.6	288.9	178.5	96.7
70°	67.6	74.7	122.5	163.7	108.2	83.5	56.6	60.4	54.4	47.8	47.2
72.5°	46.7	53.3	91.7	96.7	41.7	29.7	20.9	29.1	33.0	32.4	33.5
75°	30.8	35.7	57.7	37.9	10.4	8.2	7.1	15.4	19.8	19.8	20.3
77.5°	18.1	20.9	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°	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3	1152.3
2.5°	1163.3	1159.5	1175.4	1187.0	1196.3	1200.7	1194.6	1194.1	1194.1	1182.0	1178.7
5°	1177.1	1178.7	1201.2	1211.1	1212.8	1207.3	1193.5	1184.2	1178.7	1166.1	1158.9
7.5°	1203.4	1208.9	1230.3	1228.7	1213.9	1188.6	1152.3	1124.3	1106.2	1086.4	1074.4
10°	1241.3	1251.8	1264.9	1241.9	1194.6	1130.4	1055.7	1002.4	970.5	948.0	934.3
12.5°	1287.5	1297.9	1293.5	1239.1	1140.8	1026.0	929.9	853.0	816.2	795.9	781.6
15°	1334.2	1340.7	1312.2	1206.2	1045.8	891.4	784.3	708.0	663.0	646.5	634.4
17.5°	1381.9	1380.3	1315.5	1141.4	918.9	739.9	634.4	582.2	569.6	566.8	565.7
20°	1431.9	1417.1	1302.3	1048.5	766.2	589.9	530.0	533.3	556.4	567.4	569.6
22.5°	1489.0	1451.7	1269.3	922.8	610.2	491.6	497.6	530.0	561.3	576.2	578.4
25°	1550.0	1483.6	1214.4	761.3	481.2	452.0	487.7	525.1	558.6	576.7	578.9
27.5°	1590.1	1491.2	1124.3	598.7	413.0	436.7	474.6	510.3	544.9	564.6	567.4
30°	1633.5	1487.9	1001.9	461.4	390.0	423.5	456.4	488.8	520.7	542.7	544.9
32.5°	1697.2	1485.7	852.5	374.6	380.6	413.0	437.2	464.1	486.1	498.7	497.1
35°	1780.7	1483.0	678.3	337.8	375.1	404.8	424.0	436.7	412.5	404.8	406.5
37.5°	1887.8	1489.6	531.7	322.4	373.5	402.6	419.1	382.8	345.5	331.2	329.0
40°	2006.4	1506.6	405.4	316.4	379.0	408.1	400.4	340.5	294.4	266.4	260.3
42.5°	2125.6	1525.3	320.8	314.2	388.3	423.5	369.7	309.8	240.6	224.6	222.5
45°	2214.1	1522.0	277.4	310.3	396.6	432.3	361.4	265.8	214.8	207.6	208.2
47.5°	2258.6	1485.7	253.8	301.5	399.9	423.5	341.1	247.7	197.2	204.9	211.5
50°	2234.9	1391.8	231.8	284.5	392.7	411.9	308.7	234.0	188.4	220.3	235.1
52.5°	2206.4	1276.5	207.6	258.2	375.7	396.0	296.1	230.1	182.9	212.6	223.5
55°	2244.3	1203.4	168.1	217.5	342.2	358.7	286.2	229.6	170.3	165.3	163.7
57.5°	2191.0	1057.9	120.3	156.5	262.5	284.0	279.0	225.7	151.0	150.5	152.7
60°	1693.4	645.4	82.4	99.4	160.9	181.3	253.2	215.9	130.2	119.7	120.3
62.5°	962.3	274.6	56.6	61.5	82.4	97.8	193.3	196.1	120.3	114.2	120.3
65°	335.0	98.3	43.9	41.2	45.6	52.2	111.0	151.6	109.3	98.9	100.0
67.5°	69.2	48.9	39.0	34.1	34.1	34.1	56.6	94.5	90.1	78.5	79.6
70°	43.9	41.7	34.1	29.1	28.0	25.8	32.4	52.2	62.1	57.1	57.7
72.5°	32.4	31.9	26.9	23.6	20.9	18.7	20.3	25.8	31.9	33.0	33.5
75°	19.8	20.3	17.6	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)