

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: P634096

Luminaire Tested: GWS-SA3B-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634096  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-722-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

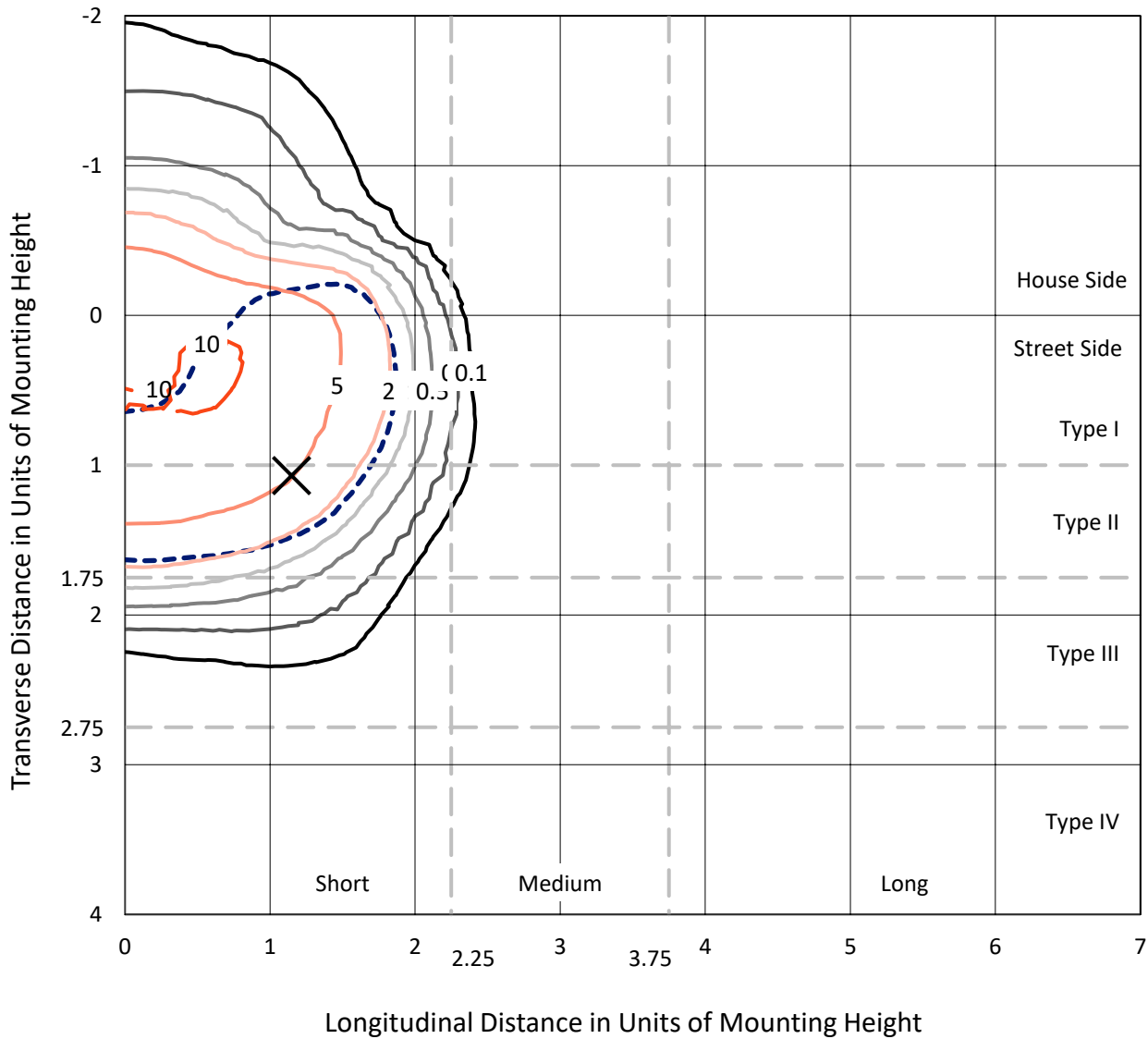
Lumens per Lamp: N/A  
Luminaire Lumens: 4731.2 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

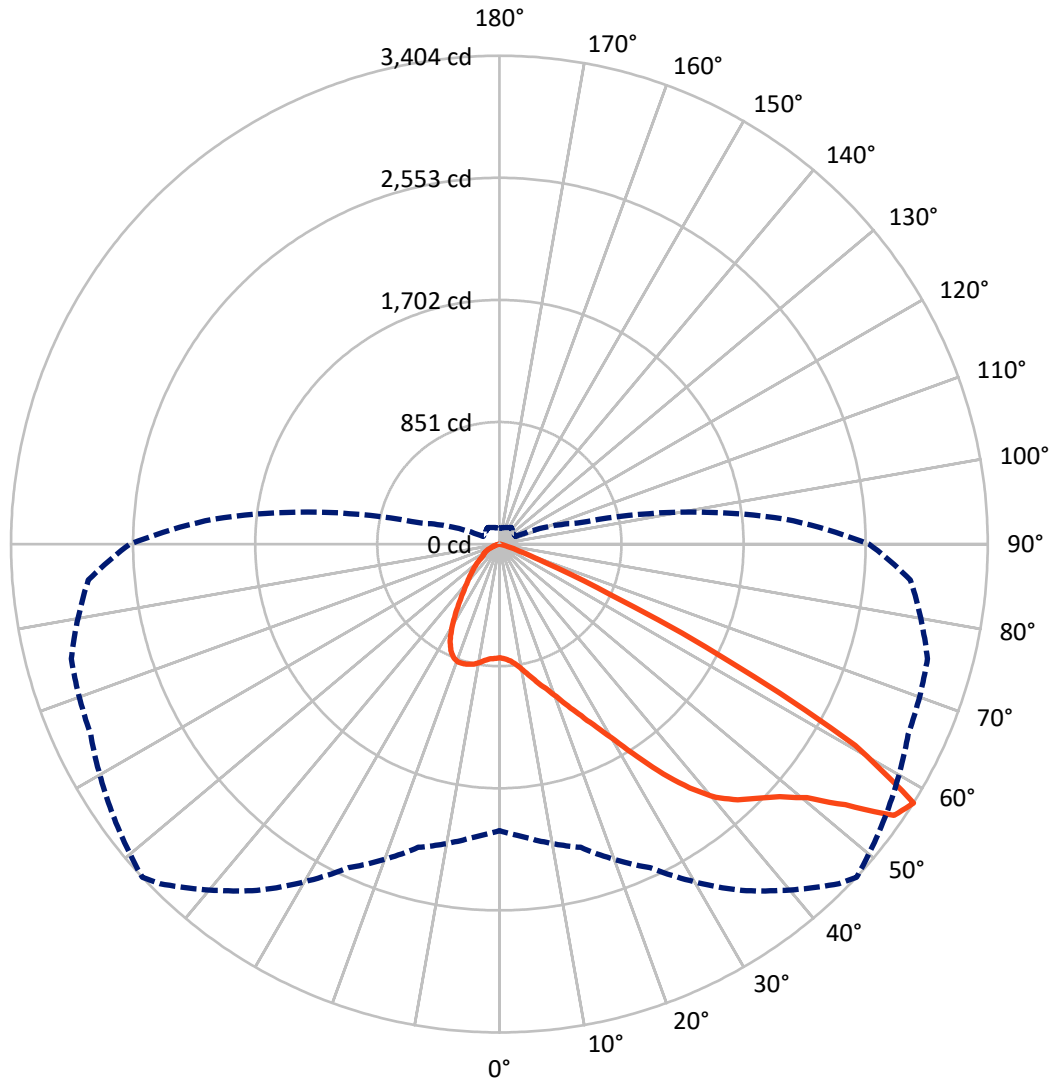
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1026.4	0.0	1026.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	3704.8	0.0	3704.8
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	4731.2	0.0	4731.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.8	1.7
10°-20°	265.9	5.6
20°-30°	493.7	10.4
30°-40°	790.3	16.7
40°-50°	1155.2	24.4
50°-60°	1425.7	30.1
60°-70°	476.4	10.1
70°-80°	44.4	0.9
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°	4731.2	100.0
0°-180°	4731.2	100.0

**Coefficient of Utilization**



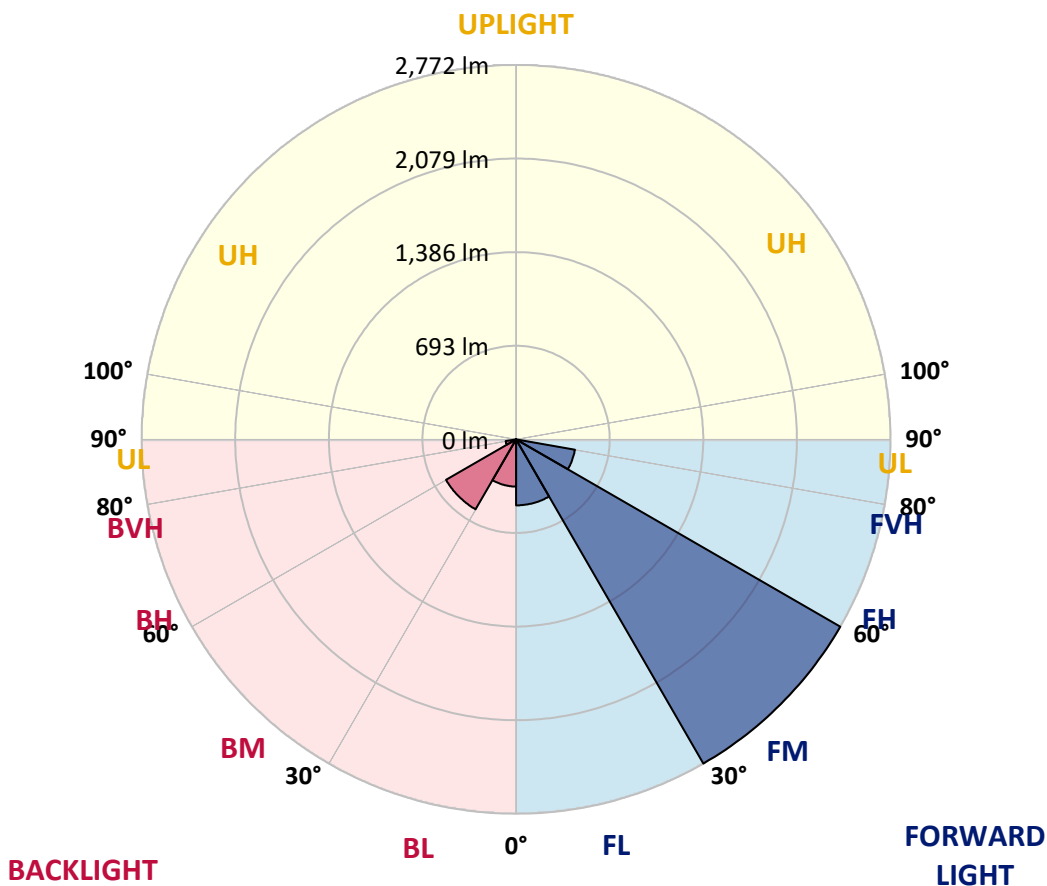
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.0	10.3			
FM (30°-60°)	2772.4	58.6			
FH (60°-80°)	442.7	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	349.4	7.4	B1/500		
BM (30°-60°)	598.7	12.7	B1/1000		
BH (60°-80°)	78.0	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	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°	47°	55°	65°	75°	85°
0°	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0
2.5°	800.2	799.7	799.1	802.4	801.3	800.8	801.9	801.9	801.9	798.6	792.0
5°	819.5	819.5	818.9	822.2	819.5	817.8	818.4	818.4	816.2	810.1	801.9
7.5°	849.7	848.6	847.5	850.8	848.0	847.5	848.6	845.3	841.4	831.6	820.0
10°	893.1	893.1	891.4	894.7	892.5	891.4	891.4	889.2	882.1	866.7	849.7
12.5°	952.9	950.2	946.3	943.6	942.5	942.0	942.5	939.2	931.5	911.7	888.1
15°	1018.3	1016.1	1010.1	1005.7	999.6	998.5	1001.8	999.1	991.4	964.5	931.0
17.5°	1100.7	1103.4	1088.0	1078.7	1061.1	1060.0	1061.1	1065.5	1060.0	1025.4	976.6
20°	1171.0	1173.2	1161.6	1155.1	1139.1	1132.0	1134.2	1141.3	1135.3	1094.6	1026.5
22.5°	1246.2	1249.0	1236.9	1223.2	1216.0	1216.0	1224.3	1234.1	1225.9	1172.6	1083.7
25°	1336.3	1338.5	1328.6	1310.5	1297.9	1313.8	1325.9	1352.2	1338.5	1266.0	1151.2
27.5°	1439.6	1440.1	1425.8	1407.2	1400.6	1430.2	1442.3	1483.0	1477.5	1370.9	1222.6
30°	1550.0	1550.5	1547.2	1534.6	1528.5	1567.5	1584.0	1642.8	1638.9	1501.1	1319.8
32.5°	1664.8	1664.8	1670.8	1669.7	1676.8	1740.6	1766.9	1833.9	1830.1	1660.4	1440.7
35°	1780.1	1780.6	1791.1	1817.4	1847.1	1931.7	1966.3	2047.6	2038.8	1850.9	1595.0
37.5°	1911.4	1905.9	1920.2	1959.7	2025.6	2123.4	2156.3	2233.8	2223.9	2045.9	1796.6
40°	2069.5	2059.7	2059.7	2105.8	2180.5	2293.1	2321.1	2359.5	2326.0	2203.6	1994.3
42.5°	2244.2	2234.9	2222.8	2263.4	2326.0	2413.9	2437.0	2426.6	2399.1	2352.4	2219.5
45°	2421.1	2406.8	2415.0	2439.7	2476.0	2517.7	2526.5	2478.2	2465.6	2478.7	2405.7
47.5°	2555.6	2545.7	2566.1	2600.7	2630.3	2636.4	2630.3	2563.3	2562.2	2608.9	2534.8
50°	2600.7	2601.8	2657.8	2733.6	2781.4	2786.3	2778.1	2701.2	2690.7	2704.5	2604.5
52.5°	2605.1	2609.5	2691.3	2835.7	2965.9	3025.2	3018.6	2935.7	2833.5	2818.7	2710.0
55°	2499.1	2524.9	2639.1	2850.0	3126.8	3316.3	3338.3	3179.6	3028.0	3015.3	2936.8
57.5°	1997.6	2050.3	2188.2	2488.6	2947.2	3346.5	3403.7	3289.4	3142.8	3088.9	2875.8
60°	1194.1	1259.4	1391.8	1760.3	2243.1	2750.6	2848.9	2864.8	2797.3	2641.9	2206.3
62.5°	512.4	507.0	670.1	952.4	1334.1	1748.2	1792.7	1861.9	1920.7	1758.1	1339.1
65°	175.8	191.1	265.8	429.5	667.9	811.8	851.3	913.4	996.9	822.8	490.5
67.5°	108.8	115.3	153.2	253.8	360.3	354.8	337.2	327.3	318.6	218.0	134.6
70°	79.1	84.6	107.7	174.7	242.2	170.3	147.7	119.7	132.9	122.5	95.6
72.5°	53.3	57.7	74.1	106.0	124.1	82.9	76.9	87.3	105.5	100.5	78.0
75°	31.9	34.6	42.3	51.6	50.5	42.8	43.4	61.5	80.7	75.2	55.5
77.5°	22.0	23.1	28.0	33.5	24.7	13.2	12.1	17.0	27.5	27.5	18.7
80°	5.5	7.1	7.1	4.4	3.8	3.3	3.3	4.9	7.7	5.5	2.7
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
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°	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0	792.0
2.5°	795.9	789.3	793.7	792.6	795.9	797.0	792.0	790.9	791.5	784.9	782.7
5°	803.5	795.9	798.0	795.9	799.7	803.0	801.3	803.5	806.3	801.3	799.1
7.5°	820.0	812.3	811.8	808.5	814.0	816.2	815.6	821.7	827.2	823.9	820.6
10°	848.6	838.1	837.0	834.3	835.9	837.6	831.6	832.7	837.6	833.8	832.1
12.5°	883.7	871.1	868.4	861.8	861.8	853.5	840.3	837.6	841.4	838.7	835.9
15°	921.6	904.6	900.2	888.7	877.7	862.3	848.6	845.3	848.0	844.7	842.5
17.5°	963.9	944.7	930.4	910.1	885.9	867.8	852.4	845.3	840.9	834.3	833.8
20°	1005.7	980.4	956.2	923.8	892.0	864.5	839.2	820.6	804.6	794.8	790.9
22.5°	1054.0	1016.6	977.7	932.1	886.5	844.7	800.2	768.4	740.9	731.6	727.2
25°	1105.6	1057.3	999.1	939.8	867.8	800.8	740.4	693.1	656.9	644.8	639.9
27.5°	1162.7	1096.3	1021.0	938.1	829.4	738.2	658.0	599.2	563.5	552.5	556.4
30°	1235.2	1146.8	1048.5	921.1	771.7	650.3	556.4	507.0	480.0	469.6	470.2
32.5°	1331.9	1219.3	1088.6	884.8	697.5	550.3	468.0	431.7	413.6	399.8	398.8
35°	1470.3	1329.7	1125.9	826.6	607.5	461.4	401.5	372.9	347.7	331.7	334.5
37.5°	1636.2	1468.7	1146.3	748.1	506.4	392.2	351.5	322.4	293.8	270.2	273.0
40°	1832.8	1650.5	1144.6	644.8	414.1	344.9	309.8	275.7	240.0	218.6	220.8
42.5°	2052.0	1822.4	1108.9	535.5	343.3	306.5	269.7	226.8	192.2	179.1	179.6
45°	2242.0	1961.9	1046.3	422.4	288.9	269.1	227.9	184.0	168.6	159.3	158.7
47.5°	2382.6	2064.1	956.8	332.3	245.0	235.1	187.3	164.8	152.7	145.0	143.9
50°	2461.2	2099.8	857.9	260.3	207.1	199.4	167.5	149.4	141.2	136.2	135.1
52.5°	2566.6	2142.6	787.1	205.4	173.6	163.1	154.3	139.0	133.5	129.6	128.0
55°	2733.6	2225.5	725.5	163.1	144.5	142.3	145.5	132.9	129.6	123.6	121.4
57.5°	2576.5	1999.2	563.5	126.3	121.9	130.2	140.6	126.9	118.6	113.1	110.9
60°	1813.1	1329.2	283.4	101.6	108.8	121.9	132.4	114.8	106.6	107.7	106.6
62.5°	999.6	665.1	127.4	85.1	94.5	107.7	113.1	99.4	93.9	103.3	104.9
65°	326.8	226.3	73.6	65.9	74.7	87.9	97.8	94.5	93.4	104.4	107.7
67.5°	100.5	74.7	50.0	47.2	51.6	64.8	82.4	102.2	109.8	113.1	114.8
70°	75.2	58.8	42.8	40.1	42.3	49.4	69.8	85.1	80.2	80.7	79.6
72.5°	60.4	46.7	36.8	35.2	35.2	34.1	36.8	46.1	52.2	54.9	54.9
75°	42.3	33.0	28.0	25.8	20.3	16.5	14.8	14.8	13.2	12.6	12.1
77.5°	14.3	12.1	11.0	8.8	6.0	4.9	4.4	3.8	2.7	1.6	1.1
80°	2.2	1.6	1.1	1.1	1.1	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	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)