

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: P630843

Luminaire Tested: GWS-SA1E-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4501.1 lumens
Efficiency: N/A
Efficacy: 77.1 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

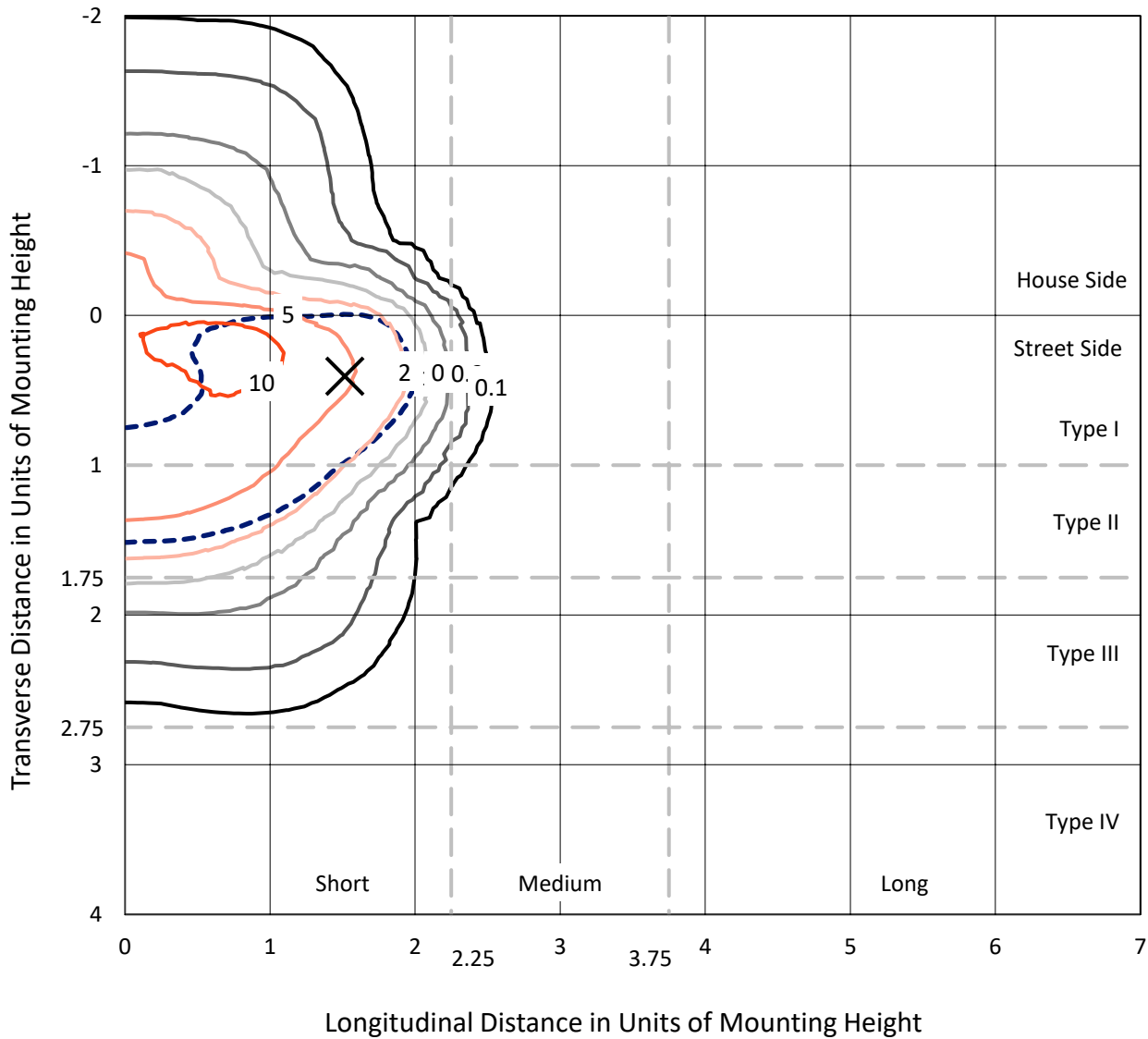
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

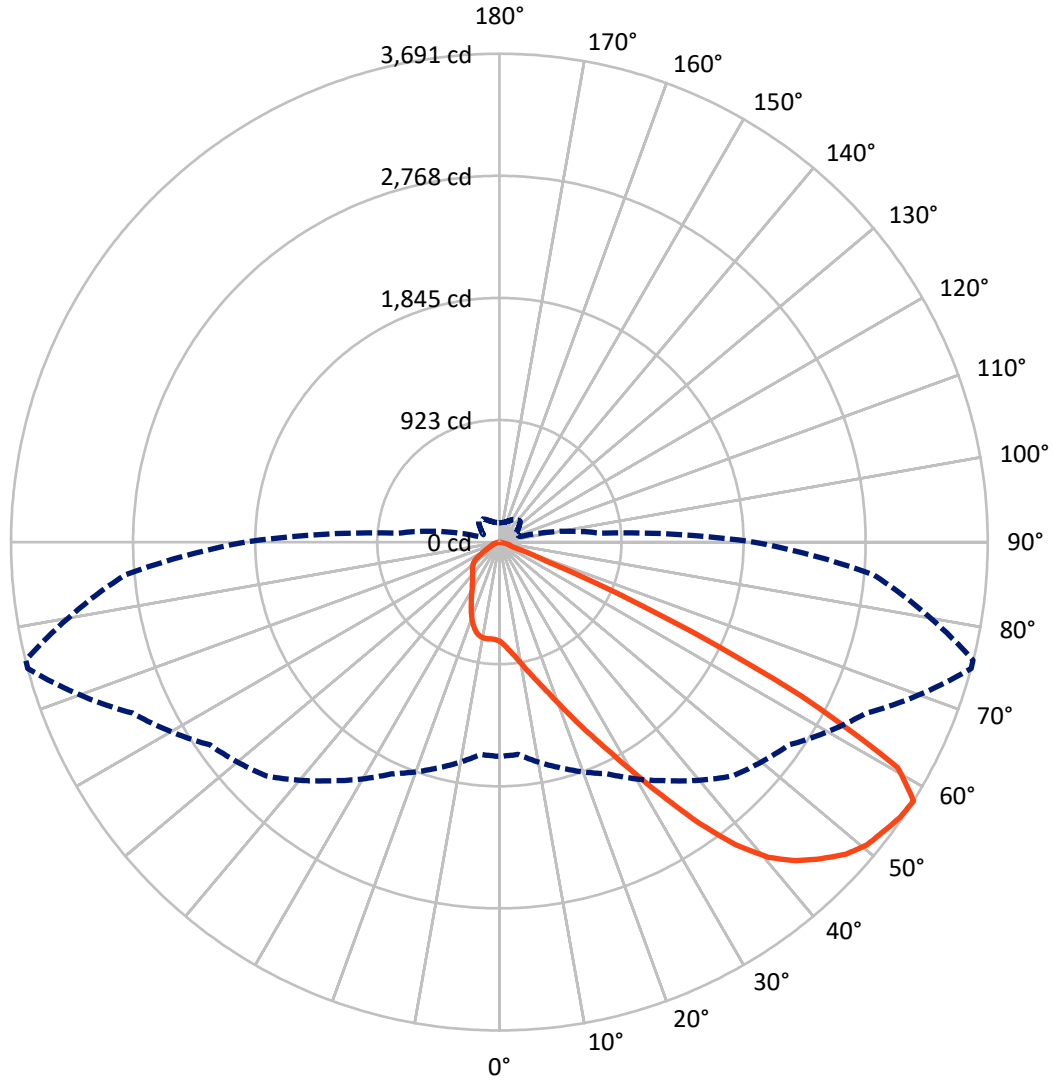
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	735.2	0.0	735.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	3765.8	0.0	3765.8
	% Fixture	83.7	0.0	83.7
Total	Lumens	4501.1	0.0	4501.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.7
10°-20°	248.2	5.5
20°-30°	454.4	10.1
30°-40°	753.9	16.8
40°-50°	1151.4	25.6
50°-60°	1293.9	28.7
60°-70°	477.2	10.6
70°-80°	45.6	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°	4501.1	100.0
0°-180°	4501.1	100.0

Coefficient of Utilization



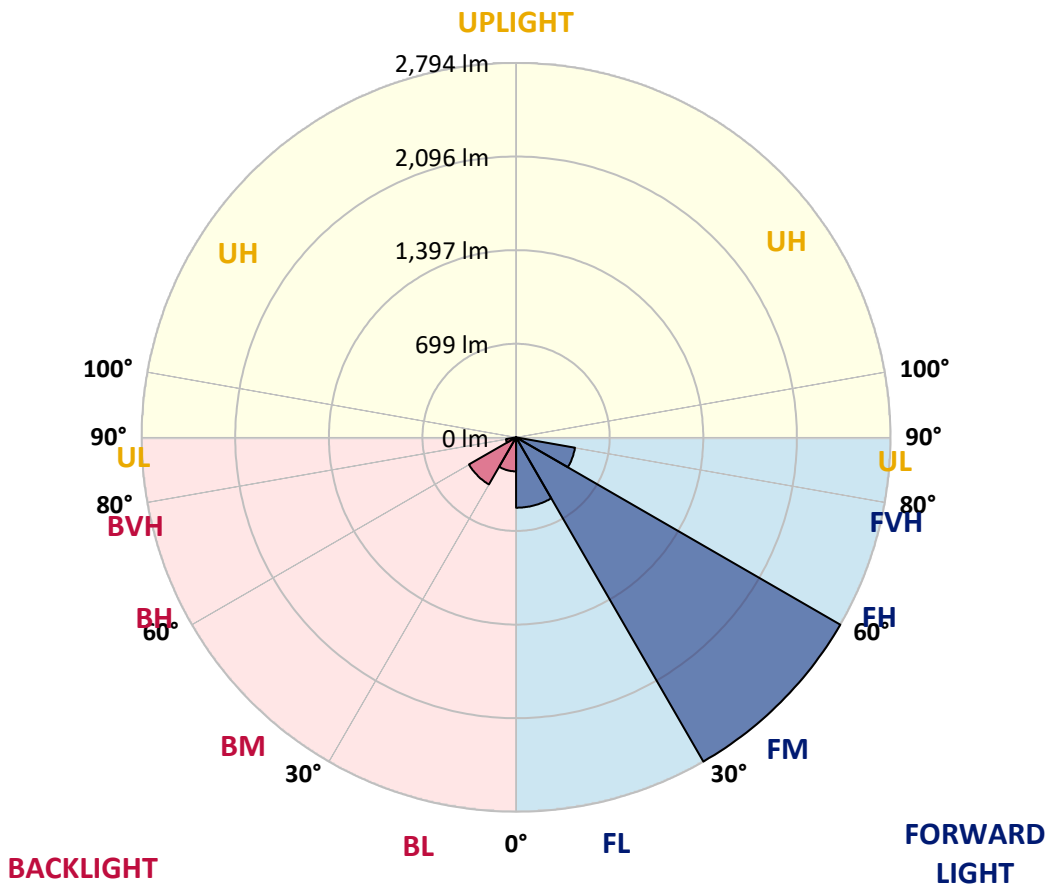
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	525.3	11.7			
FM (30°-60°)	2794.1	62.1			
FH (60°-80°)	446.5	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	253.7	5.6	B1/500		
BM (30°-60°)	405.2	9.0	B1/1000		
BH (60°-80°)	76.4	1.7	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°	55°	65°	75°	76°	85°
0°	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7
2.5°	838.7	847.4	844.7	839.3	836.0	824.6	817.5	796.9	782.2	780.6	767.0
5°	944.6	943.0	940.8	934.3	928.9	911.0	889.8	855.0	824.1	820.3	791.5
7.5°	1002.8	1003.9	1004.9	1003.9	1000.1	986.5	963.1	922.4	875.1	871.9	826.2
10°	1026.7	1028.8	1034.3	1044.6	1053.8	1052.7	1039.2	997.3	939.2	933.8	872.4
12.5°	1038.1	1040.8	1049.5	1069.0	1094.0	1113.6	1115.8	1078.3	1014.2	1005.5	927.3
15°	1053.8	1056.5	1067.4	1092.9	1129.3	1167.9	1192.9	1169.0	1097.3	1088.1	987.6
17.5°	1060.9	1064.7	1080.5	1114.1	1161.4	1220.6	1277.1	1274.9	1195.6	1188.6	1057.6
20°	1074.5	1077.2	1091.3	1127.7	1184.7	1270.0	1365.1	1399.3	1315.7	1305.3	1142.4
22.5°	1117.4	1118.5	1125.0	1147.8	1201.0	1305.9	1454.7	1544.4	1457.4	1443.9	1237.4
25°	1187.5	1186.9	1189.6	1193.4	1232.6	1342.3	1541.1	1707.9	1619.9	1605.2	1345.0
27.5°	1276.6	1276.6	1283.1	1272.2	1288.0	1387.4	1626.4	1895.8	1808.9	1788.3	1462.9
30°	1381.4	1380.8	1396.1	1378.7	1383.6	1458.5	1718.2	2100.6	2037.0	2011.5	1598.7
32.5°	1523.7	1520.5	1537.8	1513.9	1497.6	1566.1	1830.1	2314.6	2310.3	2271.2	1769.2
35°	1703.5	1698.1	1703.5	1680.2	1650.8	1716.6	1976.8	2528.1	2613.4	2572.1	1972.4
37.5°	1882.2	1899.6	1905.6	1865.4	1841.5	1907.2	2153.3	2719.3	2902.9	2860.0	2183.7
40°	2093.0	2087.6	2108.2	2063.1	2047.9	2120.7	2326.0	2861.6	3132.2	3091.4	2371.7
42.5°	2248.4	2258.1	2283.7	2258.7	2246.7	2315.2	2471.1	2944.8	3291.3	3251.1	2505.8
45°	2434.7	2441.7	2451.5	2430.9	2418.4	2485.7	2575.9	2981.2	3412.5	3369.0	2596.0
47.5°	2636.2	2641.6	2641.6	2599.3	2559.1	2586.8	2646.0	3001.8	3523.8	3482.0	2662.8
50°	2780.7	2783.4	2807.3	2777.4	2690.0	2647.1	2678.0	3021.9	3597.7	3558.6	2684.6
52.5°	2652.5	2649.3	2728.0	2789.9	2813.3	2728.0	2733.4	3051.2	3633.6	3599.9	2701.9
55°	2233.7	2228.3	2339.1	2489.5	2695.4	2804.6	2800.3	3068.6	3673.2	3652.6	2765.0
57.5°	1619.3	1610.1	1764.4	1931.7	2201.6	2497.7	2671.5	3058.8	3690.6	3689.0	2838.3
60°	973.4	965.8	1111.4	1287.4	1496.0	1793.7	2082.1	2740.0	3458.1	3461.4	2647.6
62.5°	599.2	606.2	737.7	827.3	905.0	994.6	1161.4	1843.1	2561.8	2583.0	1860.5
65°	403.1	408.5	530.2	643.2	643.2	525.8	451.4	881.1	1366.7	1330.9	880.0
67.5°	270.5	276.5	372.6	504.6	523.7	366.7	183.1	262.9	380.8	369.4	217.8
70°	159.2	165.7	248.2	346.0	381.3	255.3	122.2	111.4	108.1	104.8	84.7
72.5°	71.2	73.9	126.6	176.0	160.8	107.6	86.4	89.1	84.2	82.6	69.0
75°	21.7	22.8	32.6	38.0	38.6	38.6	52.1	70.1	66.3	66.8	53.2
77.5°	5.4	5.4	8.7	8.1	4.3	3.8	9.8	15.8	16.3	14.7	10.9
80°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
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°	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7
2.5°	761.0	746.9	737.7	724.6	715.4	705.6	696.9	689.9	686.1	685.0	685.5
5°	778.4	756.2	734.4	709.4	692.1	675.8	662.7	652.4	647.5	645.9	645.9
7.5°	805.0	774.1	735.5	696.4	667.1	641.5	626.3	614.9	610.6	609.5	606.2
10°	839.8	797.4	733.9	673.0	631.8	605.1	594.3	591.0	592.6	593.2	592.6
12.5°	881.6	821.9	723.6	638.8	594.3	578.0	579.1	587.8	597.5	602.4	603.5
15°	926.2	844.2	700.2	598.1	562.2	561.7	577.4	597.5	616.5	624.7	626.9
17.5°	976.2	862.1	664.3	554.6	534.5	550.3	578.5	609.5	635.0	648.6	651.3
20°	1031.0	876.7	618.7	513.9	510.1	538.3	577.4	615.5	647.0	662.2	664.9
22.5°	1088.1	887.1	566.0	476.4	487.8	524.7	567.1	604.1	633.9	651.3	653.5
25°	1153.2	888.2	512.3	444.9	467.2	506.3	542.1	572.5	597.5	612.7	614.4
27.5°	1210.3	875.1	464.4	419.4	448.2	483.5	507.4	524.2	541.6	550.3	550.8
30°	1276.0	852.3	419.4	398.7	428.6	455.2	467.2	471.0	472.6	474.2	472.1
32.5°	1354.2	824.6	385.7	378.6	406.3	424.2	427.5	419.9	410.7	397.6	394.4
35°	1450.4	799.6	358.0	359.1	381.9	392.7	390.0	373.7	355.8	340.1	337.3
37.5°	1554.7	778.4	336.8	340.1	355.3	362.9	354.7	336.8	328.6	315.1	315.6
40°	1647.0	761.0	317.8	321.0	328.1	335.2	322.1	310.2	325.4	324.3	325.4
42.5°	1712.8	746.4	301.5	299.9	304.7	309.6	299.9	293.9	319.4	312.3	316.2
45°	1751.3	732.8	287.9	278.1	285.7	294.4	287.9	280.3	289.0	256.4	253.7
47.5°	1777.4	725.2	276.0	256.9	270.5	285.7	272.1	253.7	241.2	212.9	210.8
50°	1780.1	721.4	261.8	235.2	252.6	268.9	253.1	227.6	209.7	197.2	195.6
52.5°	1794.2	729.0	242.3	207.5	226.5	252.6	241.7	216.2	191.8	180.9	178.7
55°	1857.2	761.0	209.7	169.5	197.2	240.1	232.5	192.8	169.5	163.0	161.3
57.5°	1922.4	767.6	165.1	134.2	171.7	222.2	212.4	177.6	154.8	147.2	145.6
60°	1757.8	632.3	123.9	110.8	151.6	205.3	196.6	168.4	141.8	132.5	130.9
62.5°	1154.9	341.7	98.3	94.0	127.7	173.8	179.3	152.1	126.6	116.8	116.2
65°	532.3	158.6	75.5	74.4	100.0	138.5	154.3	133.1	107.0	98.3	98.3
67.5°	145.0	78.8	59.2	54.9	67.9	92.9	112.4	99.4	76.0	65.7	65.2
70°	72.2	63.6	53.2	47.3	48.9	57.6	66.3	55.4	38.6	31.5	31.0
72.5°	59.2	52.1	45.1	40.2	36.9	35.3	34.2	27.7	17.9	13.6	13.0
75°	44.0	37.5	32.0	26.1	22.3	20.6	18.5	13.6	7.6	4.3	3.8
77.5°	9.8	9.2	8.7	6.5	6.0	4.9	3.8	2.7	1.1	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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)