

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: P634312

Luminaire Tested: GWS-SA3B-740-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6972.6 lumens
Efficiency: N/A
Efficacy: 102.1 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

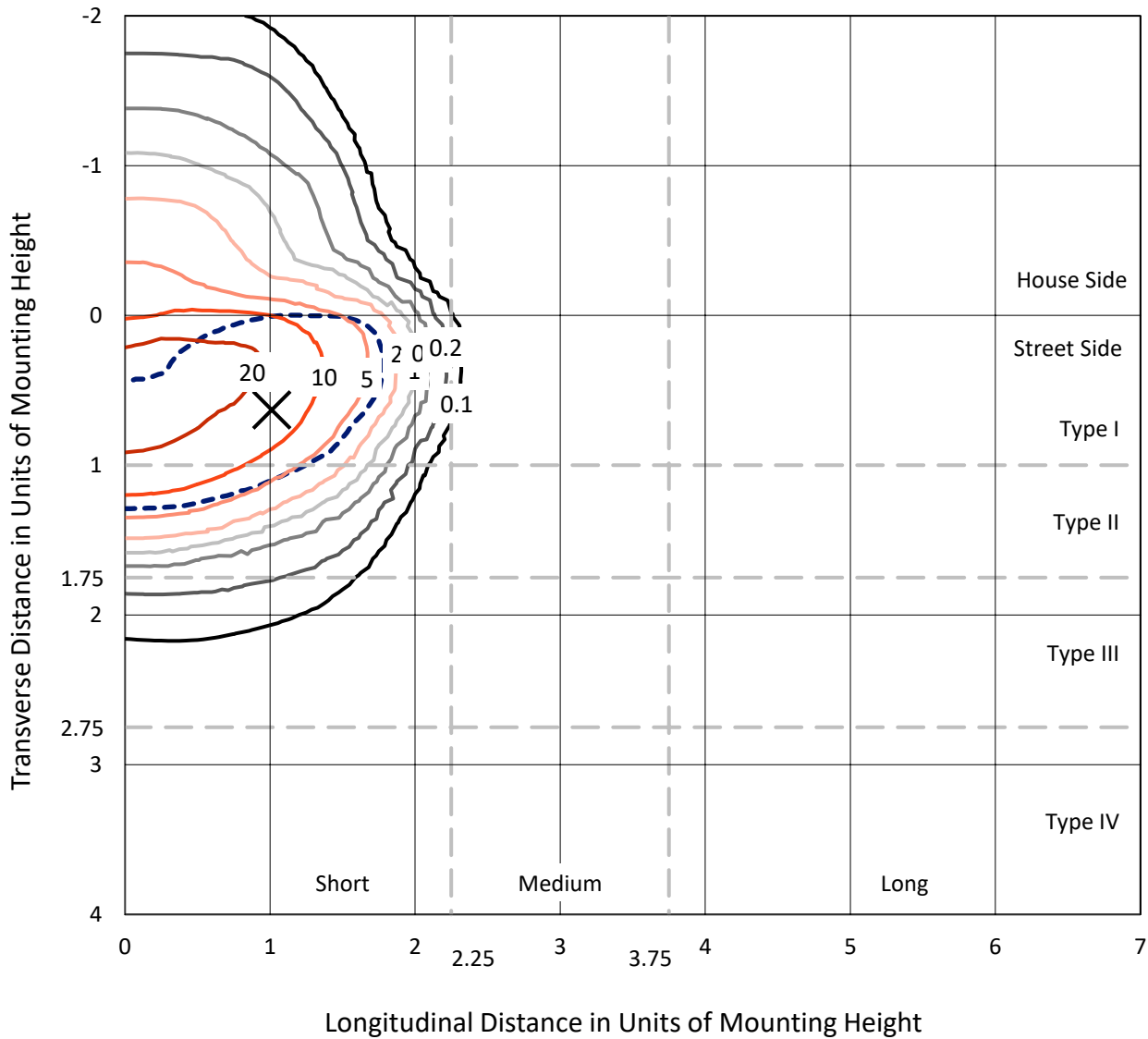
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

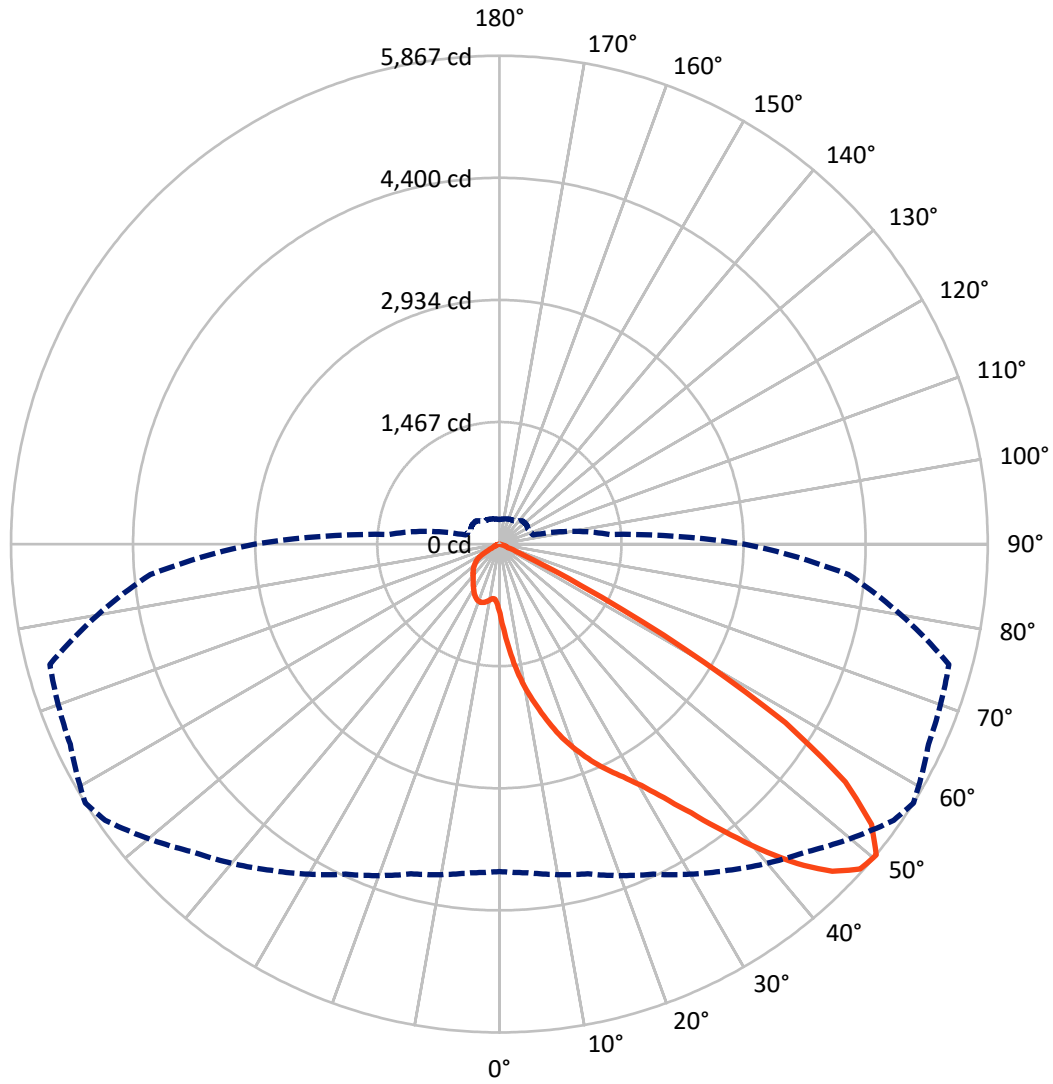
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	976.6	0.0	976.6
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	5996.0	0.0	5996.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	6972.6	0.0	6972.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.2	1.5
10°-20°	408.5	5.9
20°-30°	826.5	11.9
30°-40°	1462.2	21.0
40°-50°	2131.6	30.6
50°-60°	1708.5	24.5
60°-70°	307.8	4.4
70°-80°	24.3	0.3
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°	6972.6	100.0
0°-180°	6972.6	100.0

Coefficient of Utilization



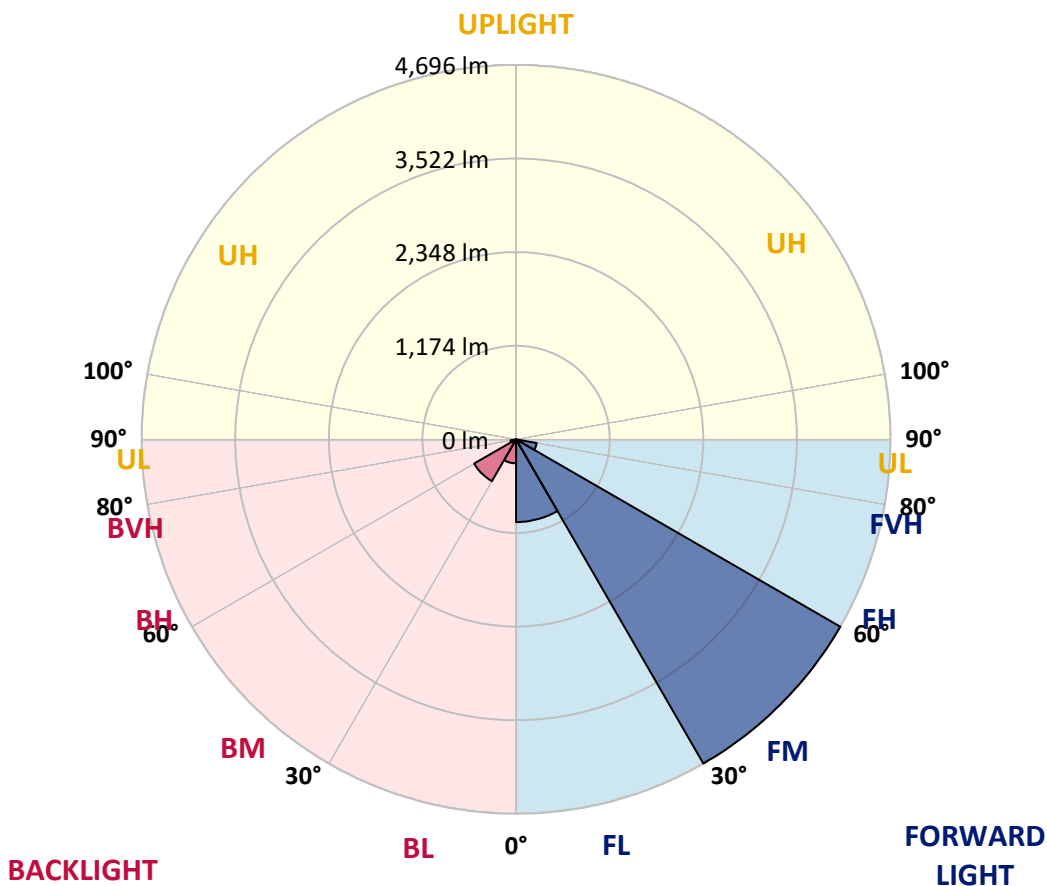
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.5	14.9			
FM (30°-60°)	4695.8	67.3			
FH (60°-80°)	262.7	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	300.7	4.3	B1/500		
BM (30°-60°)	606.5	8.7	B1/1000		
BH (60°-80°)	69.4	1.0	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°	58°	65°	75°	85°
0°	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9
2.5°	1232.5	1213.1	1202.0	1193.0	1153.5	1090.9	1049.8	1028.2	992.4	932.0	879.8
5°	1608.3	1594.2	1568.1	1550.2	1499.5	1410.7	1319.0	1282.5	1201.2	1064.8	942.5
7.5°	1857.4	1846.9	1837.2	1813.4	1765.6	1685.1	1583.7	1545.7	1420.4	1226.6	1026.0
10°	2049.0	2040.8	2029.6	2028.9	1991.6	1919.2	1820.1	1780.6	1644.9	1402.5	1124.4
12.5°	2217.5	2210.8	2208.5	2229.4	2205.6	2151.9	2044.5	1995.3	1851.4	1582.2	1233.3
15°	2333.1	2331.6	2341.3	2382.3	2395.7	2371.1	2280.9	2227.9	2062.4	1762.7	1353.3
17.5°	2386.0	2390.5	2409.1	2480.0	2539.6	2560.5	2491.1	2446.4	2271.9	1945.3	1481.6
20°	2476.2	2474.7	2485.9	2553.0	2626.1	2700.7	2679.8	2641.8	2483.7	2138.5	1624.0
22.5°	2730.5	2708.9	2685.0	2695.4	2721.5	2808.8	2847.5	2828.2	2702.2	2336.8	1770.9
25°	3121.2	3098.8	3022.0	2947.5	2898.3	2937.8	2990.7	3000.4	2919.1	2540.4	1924.5
27.5°	3535.8	3515.6	3429.1	3317.3	3176.4	3107.8	3147.3	3166.7	3132.4	2782.7	2087.8
30°	3924.2	3897.4	3802.7	3664.0	3500.7	3395.6	3350.8	3364.3	3384.4	3069.7	2279.4
32.5°	4261.3	4241.1	4127.8	3981.6	3824.3	3714.7	3610.3	3632.7	3681.9	3420.9	2524.7
35°	4546.8	4536.4	4416.3	4271.0	4104.7	4048.8	3959.3	3963.8	4013.0	3845.2	2823.7
37.5°	4795.1	4777.2	4668.4	4533.4	4401.4	4392.5	4367.9	4370.1	4395.5	4339.5	3167.4
40°	4951.7	4935.3	4857.8	4774.2	4680.3	4681.8	4809.3	4819.0	4789.9	4825.0	3530.5
42.5°	5010.6	4998.7	4956.9	4957.7	4948.0	4992.0	5231.3	5249.2	5144.8	5206.0	3840.7
45°	4908.5	4903.2	4906.2	5013.6	5129.9	5265.6	5576.5	5607.9	5460.2	5458.7	4083.1
47.5°	4578.9	4568.5	4655.7	4838.4	5107.5	5371.5	5785.3	5833.8	5680.9	5603.4	4235.2
50°	3933.2	3963.0	4100.9	4375.3	4784.7	5226.1	5783.1	5867.3	5689.1	5590.7	4209.8
52.5°	2849.0	2843.1	3145.1	3522.3	4020.4	4760.8	5475.9	5598.9	5490.0	5466.2	4153.1
55°	1550.2	1604.6	1808.1	2307.7	2929.6	3880.2	4774.2	5042.7	5168.7	5420.7	4255.3
57.5°	569.7	593.5	721.0	1074.4	1550.9	2412.8	3646.9	4051.7	4441.0	5294.0	4238.1
60°	229.7	234.1	284.8	395.2	651.7	1228.0	2187.7	2547.1	2913.9	4052.5	3252.4
62.5°	167.0	173.0	193.1	231.1	329.6	536.9	943.2	1096.8	1199.0	2007.2	1602.4
65°	135.0	139.4	155.8	173.0	217.7	288.6	304.2	293.0	291.5	519.0	367.6
67.5°	111.8	116.3	128.2	140.2	156.6	143.9	104.4	109.6	89.5	88.7	72.3
70°	82.0	87.2	99.2	111.8	93.9	38.8	60.4	89.5	67.9	56.7	55.2
72.5°	61.9	65.6	76.8	73.1	27.6	14.9	40.3	64.9	52.2	41.8	41.0
75°	46.2	48.5	38.8	11.9	3.0	3.7	14.9	26.8	29.1	23.9	23.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.2	3.0	3.7	4.5
80°	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9	832.9
2.5°	850.0	818.7	774.0	736.7	708.3	680.8	659.9	639.0	638.3	627.8	625.6
5°	885.8	829.1	747.1	688.2	652.4	630.8	615.9	608.4	604.7	601.0	599.5
7.5°	937.3	856.0	742.6	680.0	650.2	636.0	625.6	621.1	618.9	615.9	615.1
10°	1000.6	894.8	759.0	695.7	669.6	656.2	645.0	638.3	634.5	629.3	627.8
12.5°	1076.7	942.5	785.1	721.8	694.2	676.3	661.4	651.7	646.5	639.7	638.3
15°	1158.7	993.9	814.2	745.6	712.8	689.7	671.1	656.2	646.5	638.3	636.0
17.5°	1243.7	1046.1	840.3	762.0	721.8	694.2	667.3	647.2	635.3	624.8	621.9
20°	1339.1	1099.8	857.5	765.0	718.8	682.2	650.9	625.6	613.7	599.5	596.5
22.5°	1439.1	1149.8	864.9	758.3	702.4	659.9	626.3	600.2	583.1	568.2	563.7
25°	1536.0	1194.5	861.2	739.7	677.8	628.6	594.3	567.4	548.8	533.9	530.1
27.5°	1638.9	1231.8	847.8	712.1	644.2	594.3	561.5	538.3	521.2	504.8	501.1
30°	1754.5	1266.1	826.2	678.5	604.7	559.2	533.9	518.2	499.6	482.4	477.2
32.5°	1893.9	1296.6	794.8	638.3	569.7	528.6	514.5	502.6	480.9	463.0	459.3
35°	2053.5	1322.0	755.3	596.5	535.4	509.3	506.3	490.6	462.3	441.4	436.9
37.5°	2238.4	1346.6	708.3	555.5	510.0	500.3	501.1	474.2	439.9	414.6	411.6
40°	2437.5	1371.2	656.2	519.7	486.9	495.1	488.4	450.4	394.4	369.8	366.8
42.5°	2644.7	1398.1	603.2	486.1	467.5	475.0	465.3	402.6	362.4	349.7	348.2
45°	2831.9	1430.1	545.8	452.6	448.1	445.9	429.5	364.6	347.5	338.5	337.8
47.5°	2966.8	1424.9	484.7	420.5	427.2	419.8	369.8	346.7	332.5	320.6	317.6
50°	2942.2	1333.9	421.3	384.7	400.4	393.7	332.5	325.8	313.2	300.5	296.0
52.5°	2879.6	1210.2	366.1	346.7	371.3	355.7	307.2	300.5	289.3	272.9	267.7
55°	2913.2	1093.8	322.9	316.1	341.5	294.5	278.9	268.4	256.5	238.6	236.4
57.5°	2805.0	892.5	259.5	264.0	302.0	251.3	244.6	228.2	208.0	196.1	194.6
60°	1941.6	479.4	162.5	167.8	218.5	211.0	219.2	204.3	179.7	168.5	166.3
62.5°	891.8	192.4	88.7	85.0	114.8	143.2	187.9	186.4	155.8	137.9	136.4
65°	216.2	88.0	63.4	59.7	64.9	85.7	122.3	146.9	126.0	105.1	102.9
67.5°	70.1	71.6	58.2	54.4	57.4	64.1	73.1	81.3	80.5	73.8	72.3
70°	55.9	64.9	53.7	49.2	49.2	51.4	49.2	39.5	34.3	37.3	38.8
72.5°	41.8	49.2	42.5	38.0	36.5	35.8	30.6	22.4	15.7	14.2	13.4
75°	24.6	27.6	26.1	22.4	20.9	18.6	14.9	9.7	5.2	3.7	2.2
77.5°	4.5	5.2	6.0	4.5	3.7	3.0	2.2	0.7	0.0	0.0	0.0
80°	0.0	0.7	0.7	0.7	0.0	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)