

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: P632383

Luminaire Tested: GWS-SA2C-750-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632383
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-SA2C-750-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5623.6 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

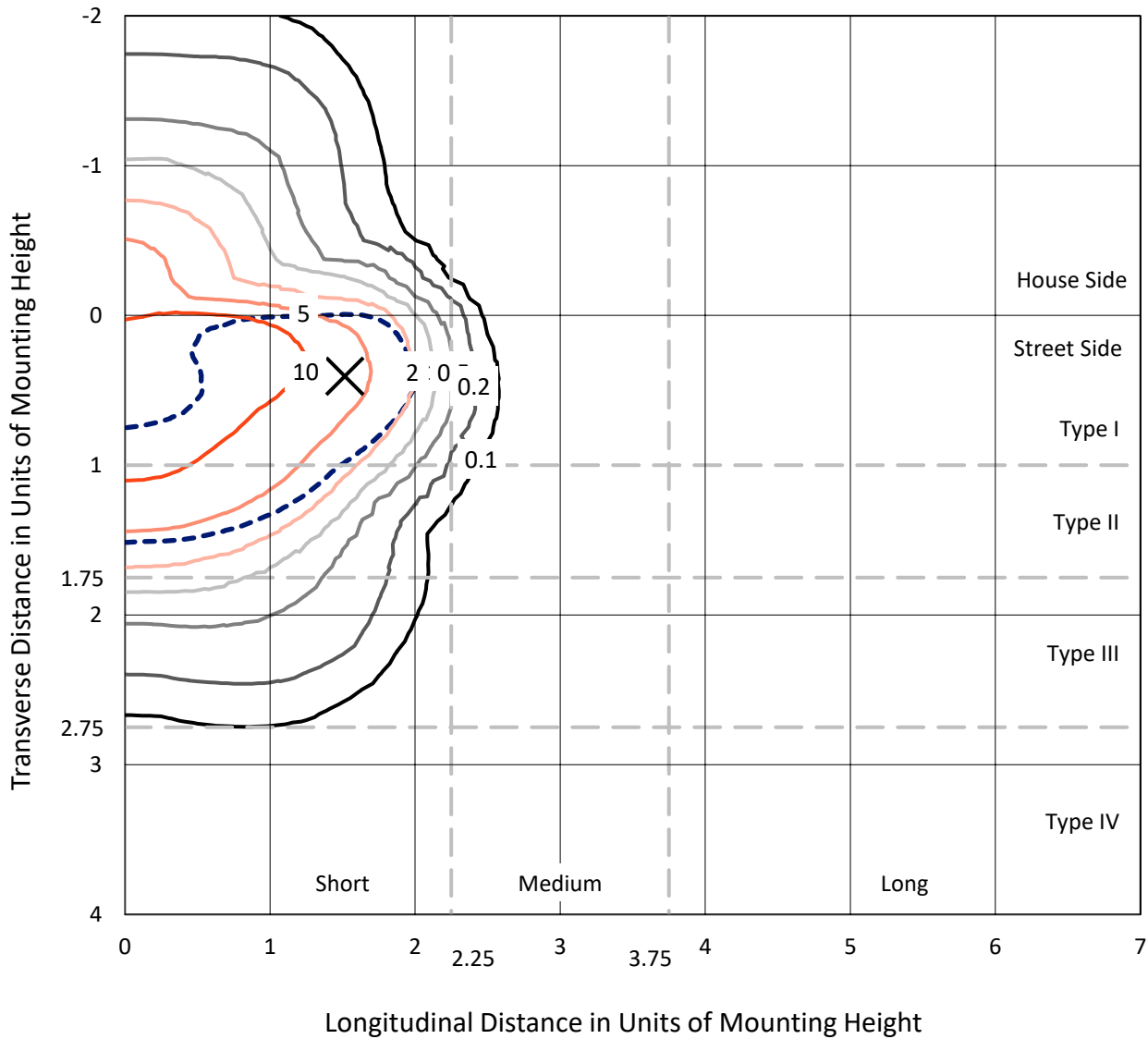
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

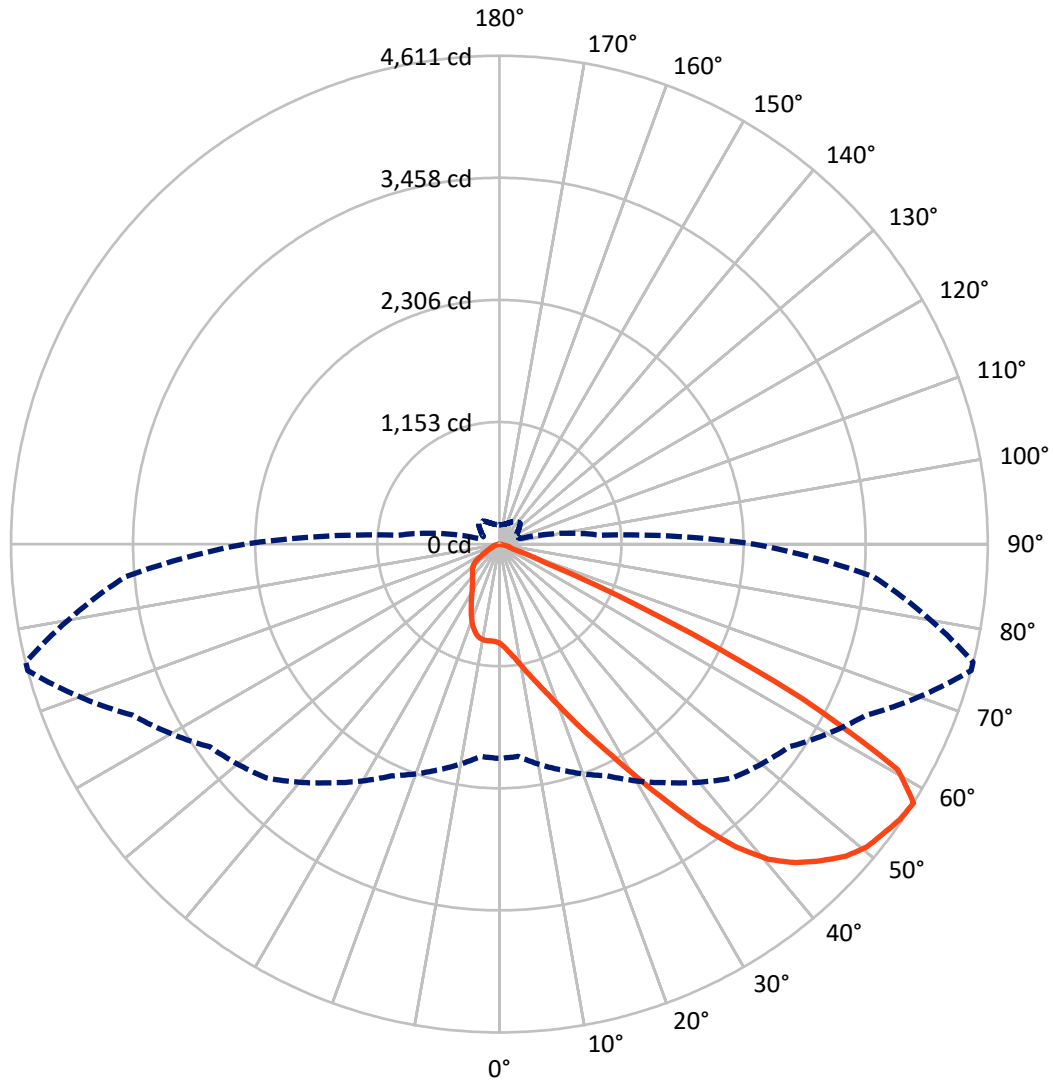
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 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	918.6	0.0	918.6
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	4705.0	0.0	4705.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	5623.6	0.0	5623.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.7
10°-20°	310.0	5.5
20°-30°	567.8	10.1
30°-40°	942.0	16.8
40°-50°	1438.6	25.6
50°-60°	1616.5	28.7
60°-70°	596.2	10.6
70°-80°	57.0	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°	5623.6	100.0
0°-180°	5623.6	100.0

Coefficient of Utilization



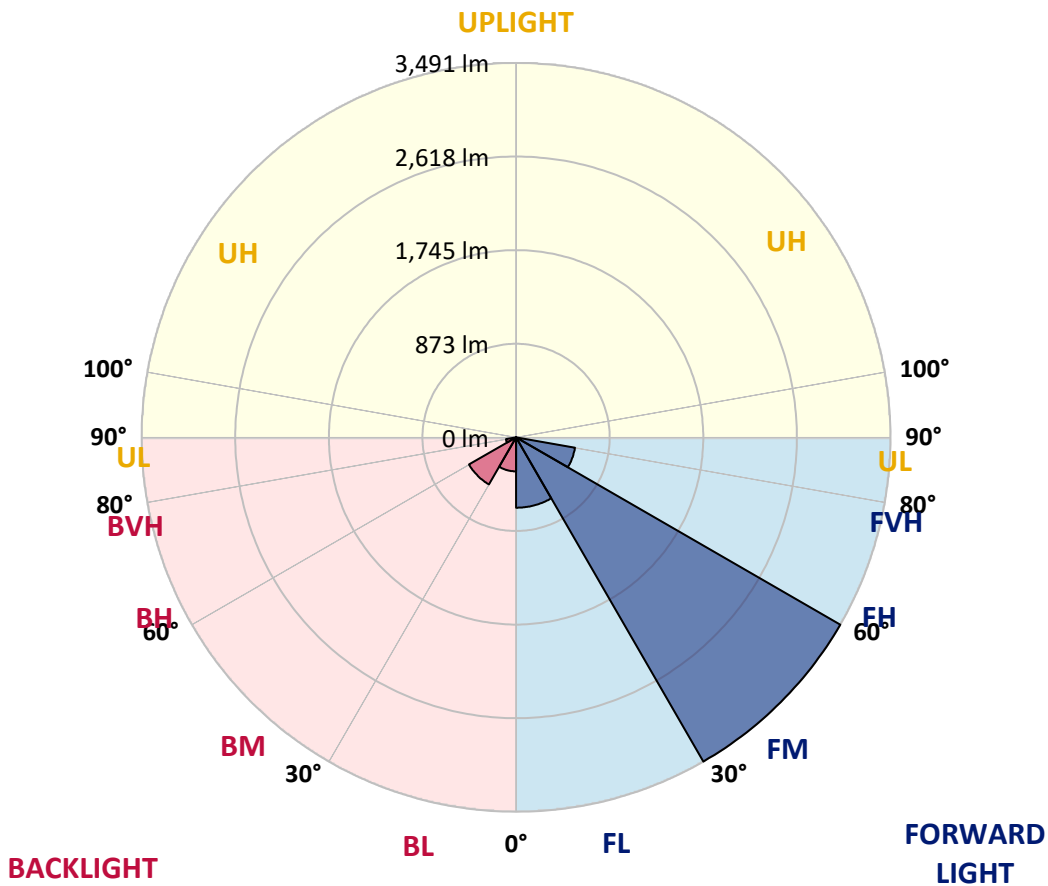
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.3	11.7			
FM (30°-60°)	3490.9	62.1			
FH (60°-80°)	557.8	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	317.0	5.6	B1/500		
BM (30°-60°)	506.2	9.0	B1/1000		
BH (60°-80°)	95.4	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°	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9
2.5°	1047.9	1058.7	1055.4	1048.6	1044.5	1030.2	1021.4	995.6	977.3	975.3	958.3
5°	1180.2	1178.2	1175.5	1167.3	1160.5	1138.1	1111.7	1068.2	1029.6	1024.8	988.8
7.5°	1252.8	1254.2	1255.6	1254.2	1249.5	1232.5	1203.3	1152.4	1093.4	1089.3	1032.3
10°	1282.7	1285.4	1292.2	1305.1	1316.6	1315.3	1298.3	1246.1	1173.4	1166.7	1090.0
12.5°	1297.0	1300.4	1311.2	1335.6	1366.9	1391.3	1394.0	1347.2	1267.1	1256.2	1158.5
15°	1316.6	1320.0	1333.6	1365.5	1411.0	1459.2	1490.4	1460.5	1370.9	1359.4	1233.8
17.5°	1325.5	1330.2	1349.9	1392.0	1451.0	1525.0	1595.6	1592.9	1493.8	1485.0	1321.4
20°	1342.4	1345.8	1363.5	1408.9	1480.2	1586.8	1705.5	1748.3	1643.8	1630.9	1427.3
22.5°	1396.0	1397.4	1405.5	1434.1	1500.6	1631.6	1817.5	1929.5	1820.9	1803.9	1546.0
25°	1483.6	1482.9	1486.3	1491.1	1539.9	1677.0	1925.4	2133.8	2023.8	2005.5	1680.4
27.5°	1594.9	1594.9	1603.0	1589.5	1609.2	1733.4	2032.0	2368.6	2260.0	2234.2	1827.7
30°	1725.9	1725.2	1744.2	1722.5	1728.6	1822.3	2146.7	2624.5	2545.1	2513.2	1997.4
32.5°	1903.7	1899.6	1921.3	1891.5	1871.1	1956.6	2286.5	2891.9	2886.4	2837.6	2210.5
35°	2128.3	2121.6	2128.3	2099.2	2062.5	2144.6	2469.7	3158.6	3265.1	3213.6	2464.3
37.5°	2351.6	2373.4	2380.8	2330.6	2300.7	2382.9	2690.3	3397.5	3626.9	3573.3	2728.3
40°	2615.0	2608.2	2634.0	2577.6	2558.6	2649.6	2906.1	3575.3	3913.3	3862.4	2963.1
42.5°	2809.1	2821.3	2853.2	2822.0	2807.0	2892.5	3087.3	3679.1	4112.1	4061.9	3130.8
45°	3041.9	3050.7	3062.9	3037.1	3021.5	3105.6	3218.3	3724.6	4263.5	4209.2	3243.4
47.5°	3293.6	3300.4	3300.4	3247.5	3197.3	3231.9	3305.9	3750.4	4402.6	4350.4	3326.9
50°	3474.2	3477.6	3507.4	3470.1	3360.8	3307.2	3345.9	3775.5	4494.9	4446.0	3354.0
52.5°	3314.0	3309.9	3408.3	3485.7	3514.9	3408.3	3415.1	3812.2	4539.7	4497.6	3375.8
55°	2790.7	2784.0	2922.4	3110.4	3367.6	3504.0	3498.6	3833.9	4589.2	4563.5	3454.5
57.5°	2023.2	2011.6	2204.4	2413.4	2750.7	3120.6	3337.8	3821.7	4611.0	4608.9	3546.1
60°	1216.2	1206.7	1388.6	1608.5	1869.1	2241.0	2601.4	3423.3	4320.5	4324.6	3307.9
62.5°	748.6	757.4	921.6	1033.6	1130.7	1242.7	1451.0	2302.8	3200.7	3227.1	2324.5
65°	503.6	510.4	662.4	803.6	803.6	657.0	564.0	1100.8	1707.6	1662.8	1099.5
67.5°	338.0	345.4	465.6	630.5	654.2	458.1	228.7	328.5	475.8	461.5	272.2
70°	198.9	207.0	310.2	432.3	476.4	319.0	152.7	139.1	135.1	131.0	105.9
72.5°	88.9	92.3	158.1	219.9	200.9	134.4	107.9	111.3	105.2	103.2	86.2
75°	27.1	28.5	40.7	47.5	48.2	48.2	65.2	87.5	82.8	83.5	66.5
77.5°	6.8	6.8	10.9	10.2	5.4	4.8	12.2	19.7	20.4	18.3	13.6
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
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°	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9	937.9
2.5°	950.8	933.2	921.6	905.4	893.8	881.6	870.7	861.9	857.2	855.8	856.5
5°	972.6	944.7	917.6	886.4	864.6	844.3	828.0	815.1	809.0	807.0	807.0
7.5°	1005.8	967.1	918.9	870.1	833.4	801.5	782.5	768.3	762.8	761.5	757.4
10°	1049.2	996.3	916.9	840.9	789.3	756.1	742.5	738.4	740.4	741.1	740.4
12.5°	1101.5	1026.8	904.0	798.1	742.5	722.1	723.5	734.3	746.5	752.7	754.0
15°	1157.2	1054.7	874.8	747.2	702.4	701.8	721.4	746.5	770.3	780.5	783.2
17.5°	1219.6	1077.1	830.0	692.9	667.8	687.5	722.8	761.5	793.4	810.3	813.7
20°	1288.1	1095.4	773.0	642.0	637.3	672.6	721.4	768.9	808.3	827.3	830.7
22.5°	1359.4	1108.3	707.2	595.2	609.5	655.6	708.5	754.7	792.0	813.7	816.5
25°	1440.8	1109.6	640.0	555.8	583.7	632.5	677.3	715.3	746.5	765.6	767.6
27.5°	1512.1	1093.4	580.3	523.9	559.9	604.0	633.9	654.9	676.6	687.5	688.2
30°	1594.2	1064.9	523.9	498.2	535.5	568.7	583.7	588.4	590.5	592.5	589.8
32.5°	1692.0	1030.2	481.9	473.0	507.7	530.1	534.1	524.6	513.1	496.8	492.7
35°	1812.1	999.0	447.3	448.6	477.1	490.7	487.3	466.9	444.5	424.9	421.5
37.5°	1942.4	972.6	420.8	424.9	443.9	453.4	443.2	420.8	410.6	393.6	394.3
40°	2057.8	950.8	397.0	401.1	409.9	418.7	402.5	387.5	406.5	405.2	406.5
42.5°	2139.9	932.5	376.7	374.6	380.7	386.8	374.6	367.2	399.1	390.2	395.0
45°	2188.1	915.5	359.7	347.5	357.0	367.8	359.7	350.2	361.1	320.3	316.9
47.5°	2220.6	906.0	344.8	321.0	338.0	357.0	340.0	316.9	301.3	266.0	263.3
50°	2224.0	901.3	327.1	293.9	315.6	335.9	316.3	284.4	262.0	246.4	244.3
52.5°	2241.7	910.8	302.7	259.3	283.0	315.6	302.0	270.1	239.6	226.0	223.3
55°	2320.4	950.8	262.0	211.7	246.4	300.0	290.5	240.9	211.7	203.6	201.6
57.5°	2401.9	959.0	206.3	167.6	214.5	277.6	265.4	221.9	193.4	183.9	181.9
60°	2196.2	790.0	154.7	138.5	189.4	256.5	245.7	210.4	177.1	165.6	163.6
62.5°	1442.9	426.9	122.8	117.4	159.5	217.2	224.0	190.0	158.1	145.9	145.2
65°	665.1	198.2	94.3	93.0	124.9	173.1	192.7	166.3	133.7	122.8	122.8
67.5°	181.2	98.4	74.0	68.5	84.8	116.1	140.5	124.2	95.0	82.1	81.4
70°	90.3	79.4	66.5	59.0	61.1	71.9	82.8	69.2	48.2	39.4	38.7
72.5°	74.0	65.2	56.3	50.2	46.2	44.1	42.8	34.6	22.4	17.0	16.3
75°	55.0	46.8	40.0	32.6	27.8	25.8	23.1	17.0	9.5	5.4	4.8
77.5°	12.2	11.5	10.9	8.1	7.5	6.1	4.8	3.4	1.4	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	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)