

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: P632328

Luminaire Tested: GWS-SA2C-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632328
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5497.6 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

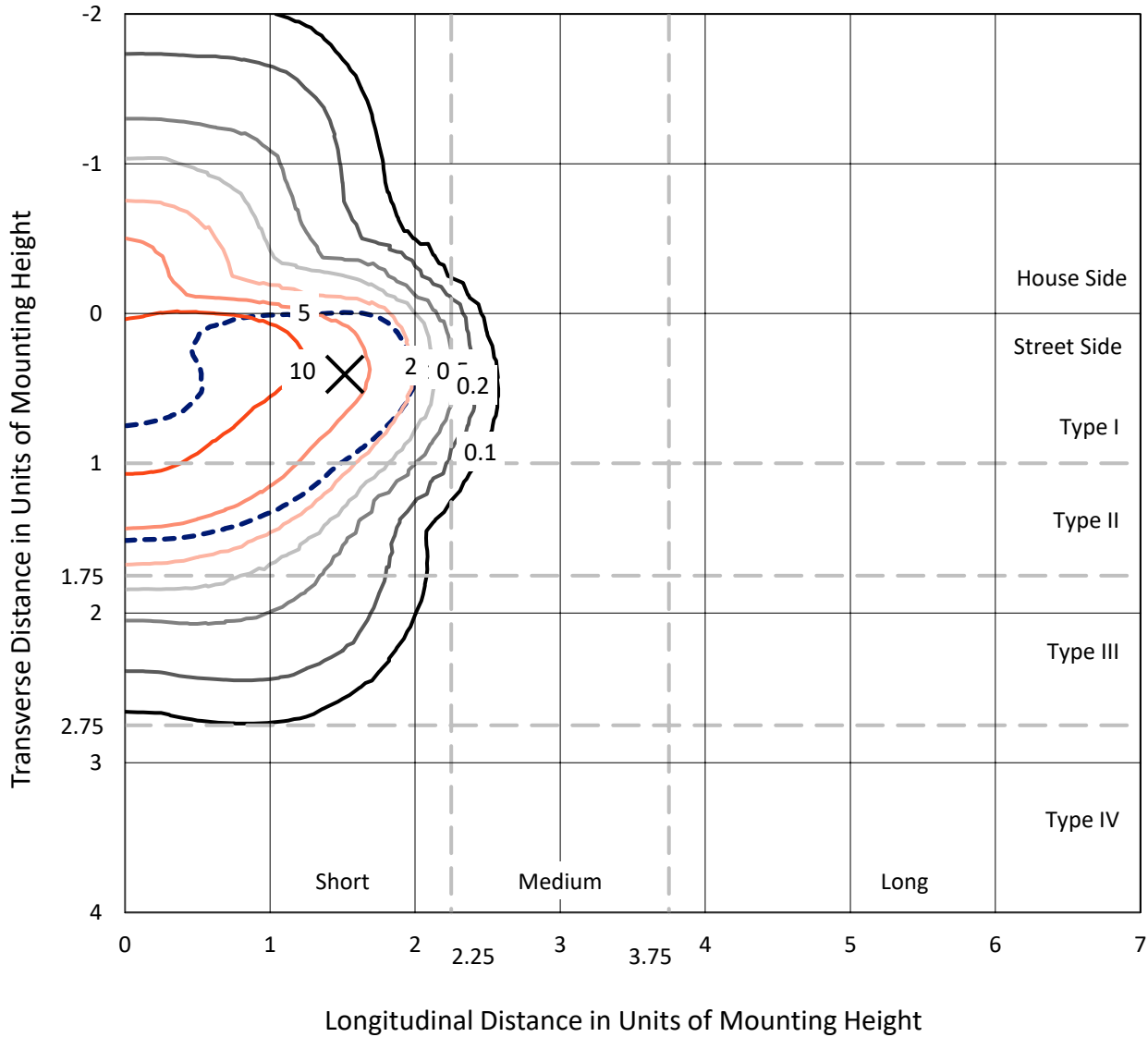
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

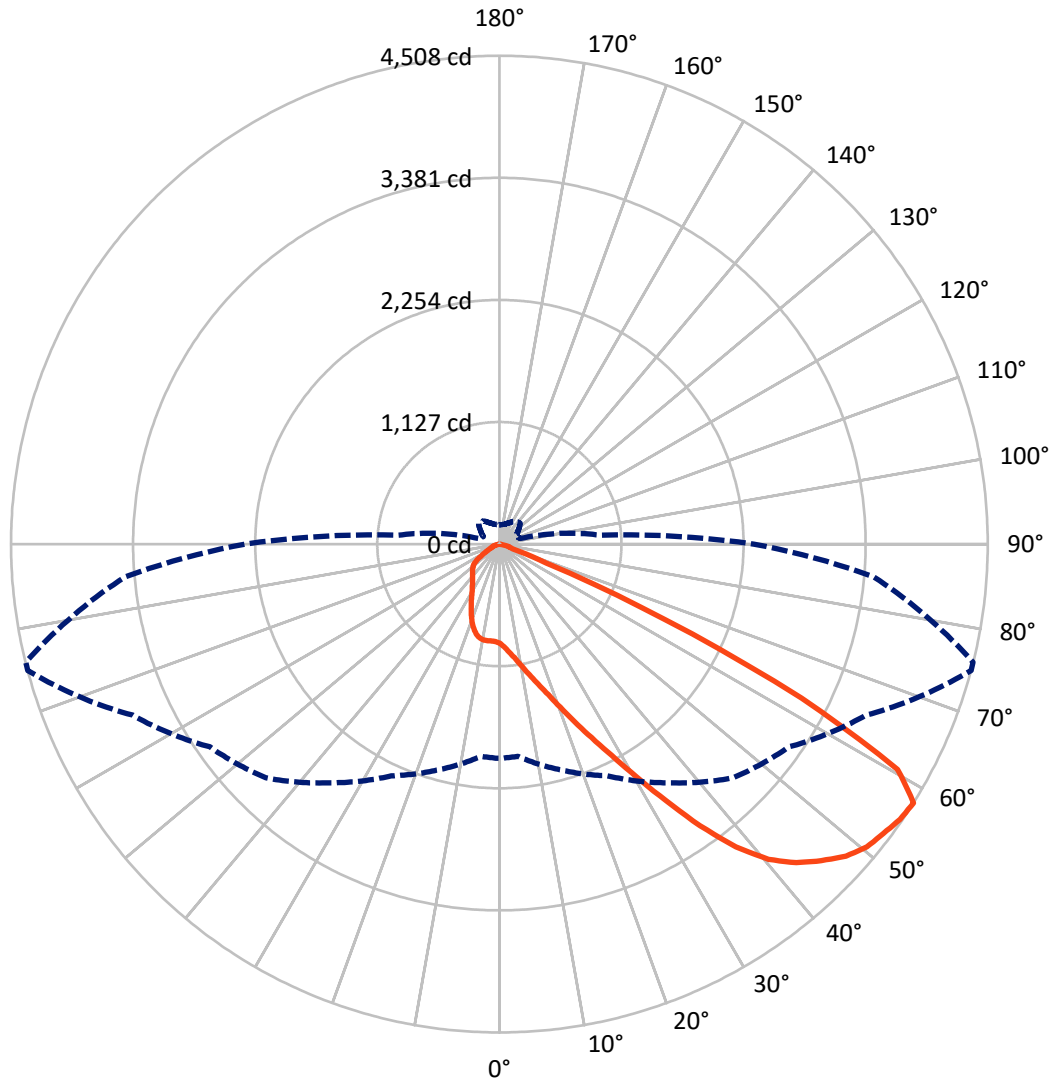
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.1 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	898.0	0.0	898.0
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	4599.6	0.0	4599.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	5497.6	0.0	5497.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	1.7
10°-20°	303.1	5.5
20°-30°	555.0	10.1
30°-40°	920.9	16.8
40°-50°	1406.4	25.6
50°-60°	1580.3	28.7
60°-70°	582.9	10.6
70°-80°	55.7	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°	5497.6	100.0
0°-180°	5497.6	100.0

Coefficient of Utilization



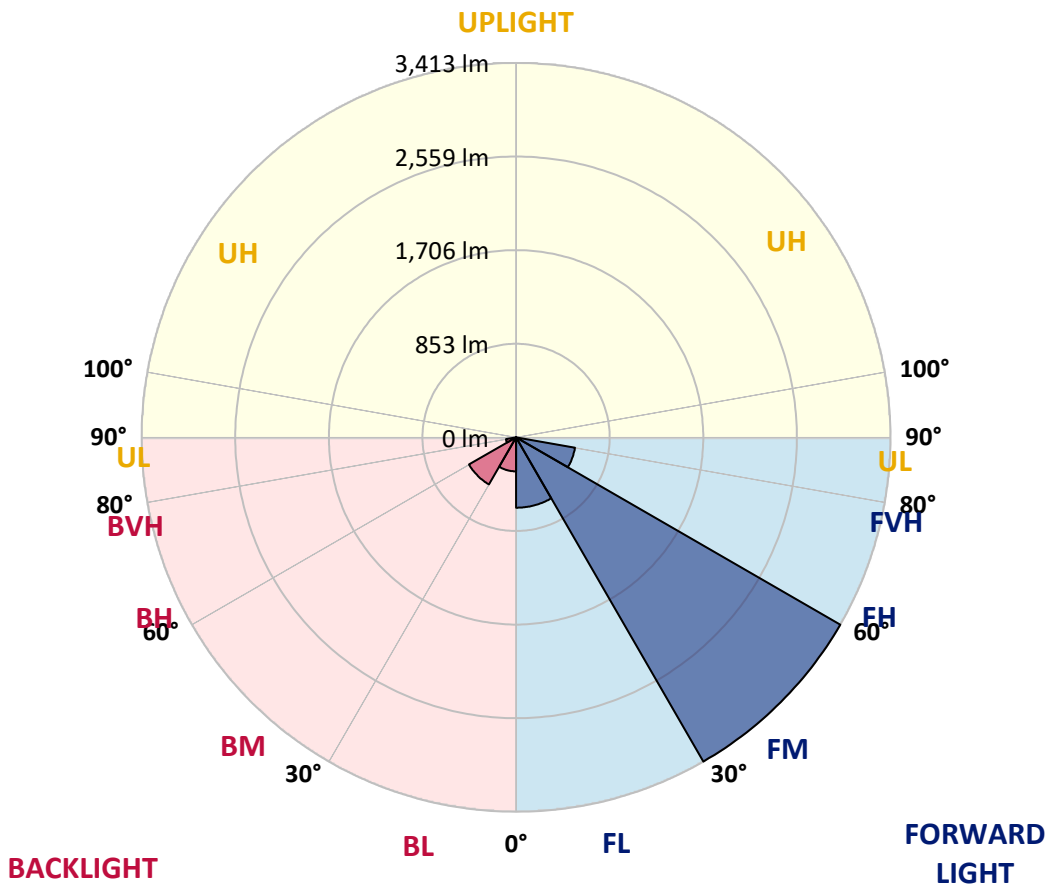
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	641.6	11.7			
FM (30°-60°)	3412.7	62.1			
FH (60°-80°)	545.3	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	309.9	5.6	B1/500		
BM (30°-60°)	494.9	9.0	B1/1000		
BH (60°-80°)	93.3	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°	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9
2.5°	1024.4	1035.0	1031.7	1025.1	1021.1	1007.2	998.5	973.3	955.4	953.4	936.8
5°	1153.8	1151.8	1149.1	1141.2	1134.5	1112.6	1086.8	1044.3	1006.5	1001.8	966.7
7.5°	1224.8	1226.1	1227.4	1226.1	1221.5	1204.9	1176.3	1126.6	1068.9	1064.9	1009.1
10°	1254.0	1256.6	1263.3	1275.9	1287.1	1285.8	1269.2	1218.1	1147.1	1140.5	1065.5
12.5°	1267.9	1271.2	1281.8	1305.7	1336.2	1360.1	1362.8	1317.0	1238.7	1228.1	1132.6
15°	1287.1	1290.5	1303.7	1334.9	1379.4	1426.5	1457.0	1427.8	1340.2	1328.9	1206.2
17.5°	1295.8	1300.4	1319.7	1360.8	1418.5	1490.8	1559.8	1557.2	1460.3	1451.7	1291.8
20°	1312.4	1315.7	1332.9	1377.4	1447.0	1551.2	1667.3	1709.1	1606.9	1594.3	1395.3
22.5°	1364.8	1366.1	1374.1	1401.9	1466.9	1595.0	1776.8	1886.3	1780.1	1763.5	1511.4
25°	1450.4	1449.7	1453.0	1457.7	1505.4	1639.4	1882.3	2086.0	1978.5	1960.6	1642.8
27.5°	1559.2	1559.2	1567.1	1553.9	1573.1	1694.5	1986.4	2315.5	2209.4	2184.2	1786.7
30°	1687.2	1686.6	1705.1	1683.9	1689.9	1781.4	2098.6	2565.7	2488.0	2456.8	1952.6
32.5°	1861.0	1857.1	1878.3	1849.1	1829.2	1912.8	2235.2	2827.1	2821.8	2774.0	2160.9
35°	2080.7	2074.0	2080.7	2052.1	2016.3	2096.6	2414.4	3087.8	3192.0	3141.6	2409.1
37.5°	2298.9	2320.2	2327.5	2278.4	2249.2	2329.5	2630.0	3321.4	3545.6	3493.2	2667.2
40°	2556.4	2549.7	2574.9	2519.9	2501.3	2590.2	2841.0	3495.2	3825.6	3775.8	2896.7
42.5°	2746.1	2758.1	2789.3	2758.7	2744.1	2827.7	3018.2	3596.7	4020.0	3970.9	3060.6
45°	2973.7	2982.3	2994.3	2969.1	2953.8	3036.1	3146.2	3641.2	4168.0	4114.9	3170.7
47.5°	3219.8	3226.5	3226.5	3174.7	3125.6	3159.5	3231.8	3666.4	4304.0	4252.9	3252.4
50°	3396.3	3399.6	3428.8	3392.4	3285.5	3233.1	3270.9	3690.9	4394.2	4346.4	3278.9
52.5°	3239.8	3235.8	3332.0	3407.6	3436.1	3332.0	3338.6	3726.7	4438.0	4396.9	3300.1
55°	2728.2	2721.6	2856.9	3040.7	3292.2	3425.5	3420.2	3748.0	4486.4	4461.2	3377.1
57.5°	1977.8	1966.5	2155.0	2359.3	2689.1	3050.7	3263.0	3736.0	4507.7	4505.7	3466.7
60°	1188.9	1179.7	1357.5	1572.4	1827.2	2190.8	2543.1	3346.6	4223.7	4227.7	3233.8
62.5°	731.8	740.4	901.0	1010.5	1105.4	1214.8	1418.5	2251.2	3129.0	3154.8	2272.4
65°	492.3	498.9	647.6	785.6	785.6	642.2	551.3	1076.2	1669.3	1625.5	1074.8
67.5°	330.4	337.7	455.1	616.4	639.6	447.8	223.6	321.1	465.1	451.2	266.1
70°	194.4	202.4	303.2	422.6	465.8	311.8	149.3	136.0	132.0	128.1	103.5
72.5°	86.9	90.2	154.6	215.0	196.4	131.4	105.5	108.8	102.8	100.8	84.3
75°	26.5	27.9	39.8	46.4	47.1	47.1	63.7	85.6	80.9	81.6	65.0
77.5°	6.6	6.6	10.6	10.0	5.3	4.6	11.9	19.2	19.9	17.9	13.3
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°	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9	916.9
2.5°	929.5	912.3	901.0	885.1	873.8	861.9	851.2	842.6	838.0	836.6	837.3
5°	950.8	923.6	897.0	866.5	845.3	825.4	809.4	796.8	790.9	788.9	788.9
7.5°	983.3	945.5	898.3	850.6	814.7	783.6	765.0	751.1	745.7	744.4	740.4
10°	1025.7	974.0	896.4	822.0	771.6	739.1	725.8	721.9	723.9	724.5	723.9
12.5°	1076.8	1003.8	883.7	780.2	725.8	705.9	707.3	717.9	729.8	735.8	737.1
15°	1131.2	1031.0	855.2	730.5	686.7	686.0	705.3	729.8	753.0	763.0	765.7
17.5°	1192.3	1052.9	811.4	677.4	652.9	672.1	706.6	744.4	775.6	792.2	795.5
20°	1259.3	1070.8	755.7	627.6	623.0	657.5	705.3	751.7	790.2	808.8	812.1
22.5°	1328.9	1083.5	691.3	581.9	595.8	640.9	692.7	737.8	774.3	795.5	798.2
25°	1408.6	1084.8	625.7	543.4	570.6	618.4	662.1	699.3	729.8	748.4	750.4
27.5°	1478.2	1068.9	567.3	512.2	547.4	590.5	619.7	640.3	661.5	672.1	672.8
30°	1558.5	1041.0	512.2	487.0	523.5	556.0	570.6	575.2	577.2	579.2	576.6
32.5°	1654.0	1007.2	471.1	462.4	496.3	518.2	522.2	512.9	501.6	485.7	481.7
35°	1771.5	976.6	437.2	438.6	466.4	479.7	476.4	456.5	434.6	415.3	412.0
37.5°	1898.9	950.8	411.4	415.3	433.9	443.2	433.2	411.4	401.4	384.8	385.5
40°	2011.7	929.5	388.1	392.1	400.7	409.4	393.4	378.8	397.4	396.1	397.4
42.5°	2091.9	911.6	368.2	366.2	372.2	378.2	366.2	358.9	390.1	381.5	386.1
45°	2139.0	895.0	351.6	339.7	349.0	359.6	351.6	342.4	353.0	313.2	309.8
47.5°	2170.9	885.7	337.0	313.8	330.4	349.0	332.4	309.8	294.6	260.1	257.4
50°	2174.2	881.1	319.8	287.3	308.5	328.4	309.2	278.0	256.1	240.8	238.9
52.5°	2191.5	890.4	295.9	253.4	276.7	308.5	295.2	264.1	234.2	220.9	218.3
55°	2268.4	929.5	256.1	207.0	240.8	293.3	284.0	235.5	207.0	199.0	197.1
57.5°	2348.0	937.5	201.7	163.9	209.7	271.4	259.4	217.0	189.1	179.8	177.8
60°	2147.0	772.3	151.3	135.3	185.1	250.8	240.2	205.7	173.2	161.9	159.9
62.5°	1410.5	417.3	120.1	114.8	155.9	212.3	218.9	185.8	154.6	142.6	142.0
65°	650.2	193.7	92.2	90.9	122.1	169.2	188.4	162.6	130.7	120.1	120.1
67.5°	177.1	96.2	72.3	67.0	82.9	113.5	137.3	121.4	92.9	80.3	79.6
70°	88.2	77.6	65.0	57.7	59.7	70.3	80.9	67.7	47.1	38.5	37.8
72.5°	72.3	63.7	55.1	49.1	45.1	43.1	41.8	33.8	21.9	16.6	15.9
75°	53.7	45.8	39.1	31.8	27.2	25.2	22.6	16.6	9.3	5.3	4.6
77.5°	11.9	11.3	10.6	8.0	7.3	6.0	4.6	3.3	1.3	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)