

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: P630409

Luminaire Tested: GWS-SA1D-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5002.4 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

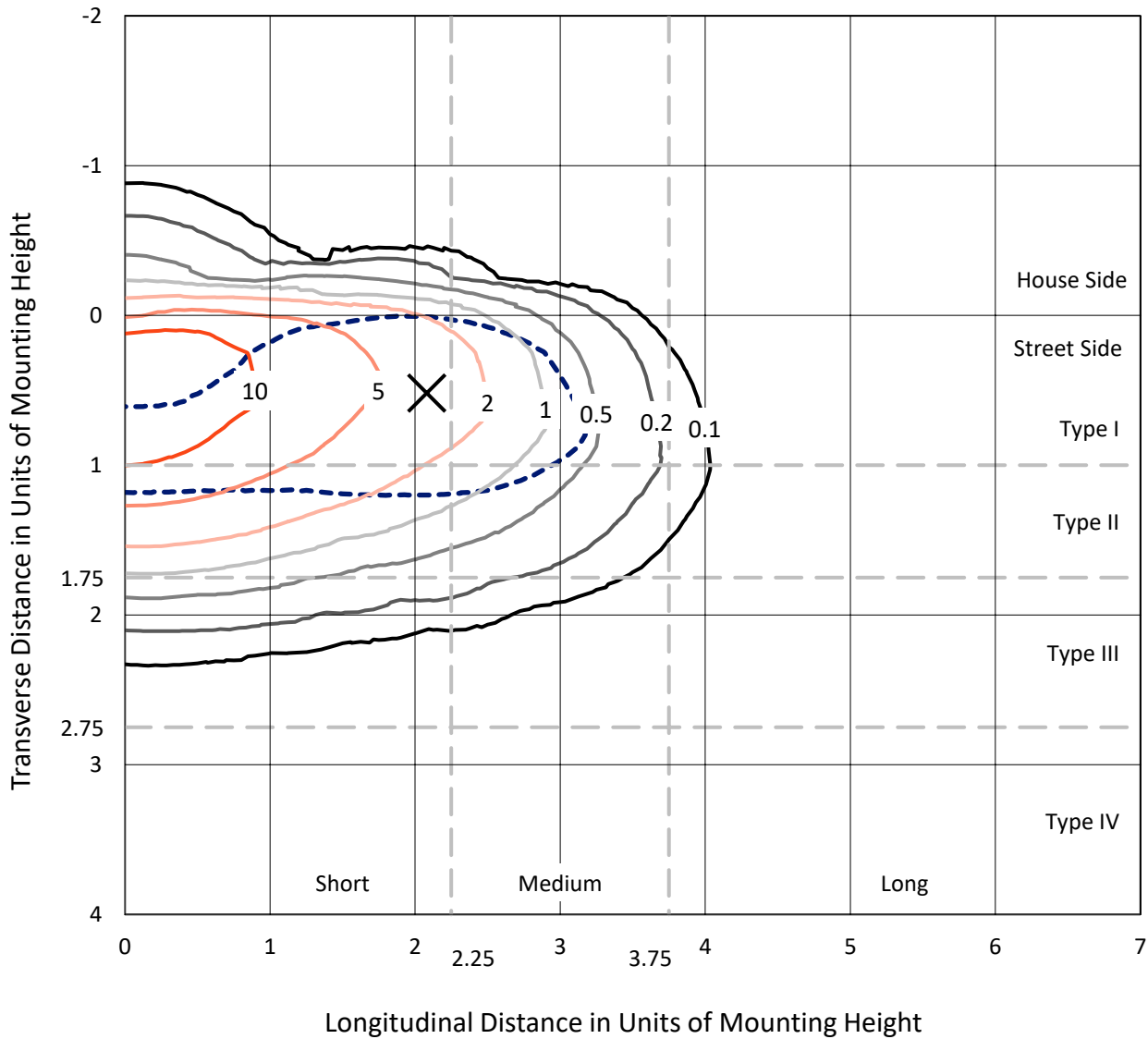
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

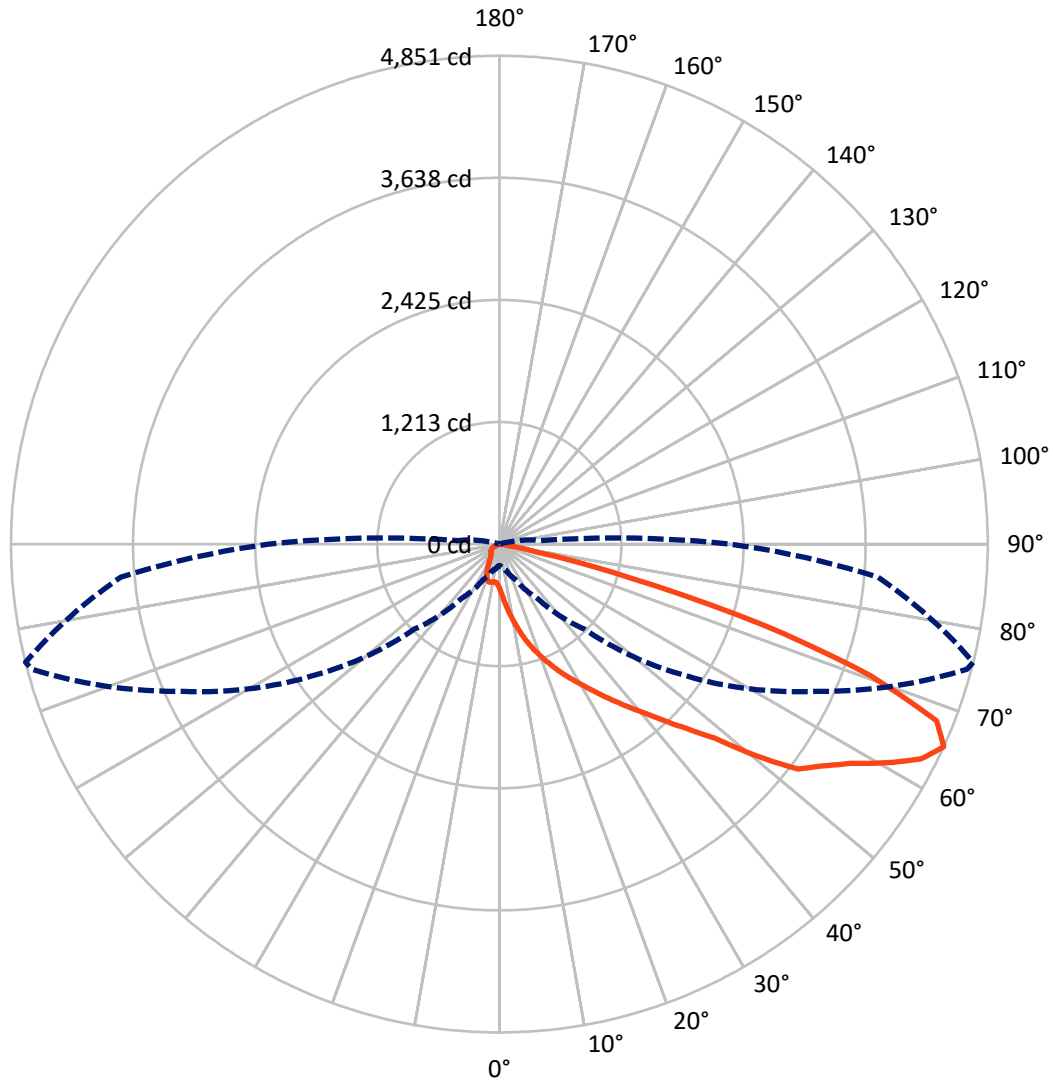
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	276.6	0.0	276.6
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	4725.8	0.0	4725.8
	% Fixture	94.5	0.0	94.5
Total	Lumens	5002.4	0.0	5002.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	1.1
10°-20°	204.4	4.1
20°-30°	417.1	8.3
30°-40°	741.8	14.8
40°-50°	1096.6	21.9
50°-60°	1255.5	25.1
60°-70°	957.9	19.1
70°-80°	268.3	5.4
80°-90°	6.7	0.1
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°	5002.4	100.0
0°-180°	5002.4	100.0

Coefficient of Utilization



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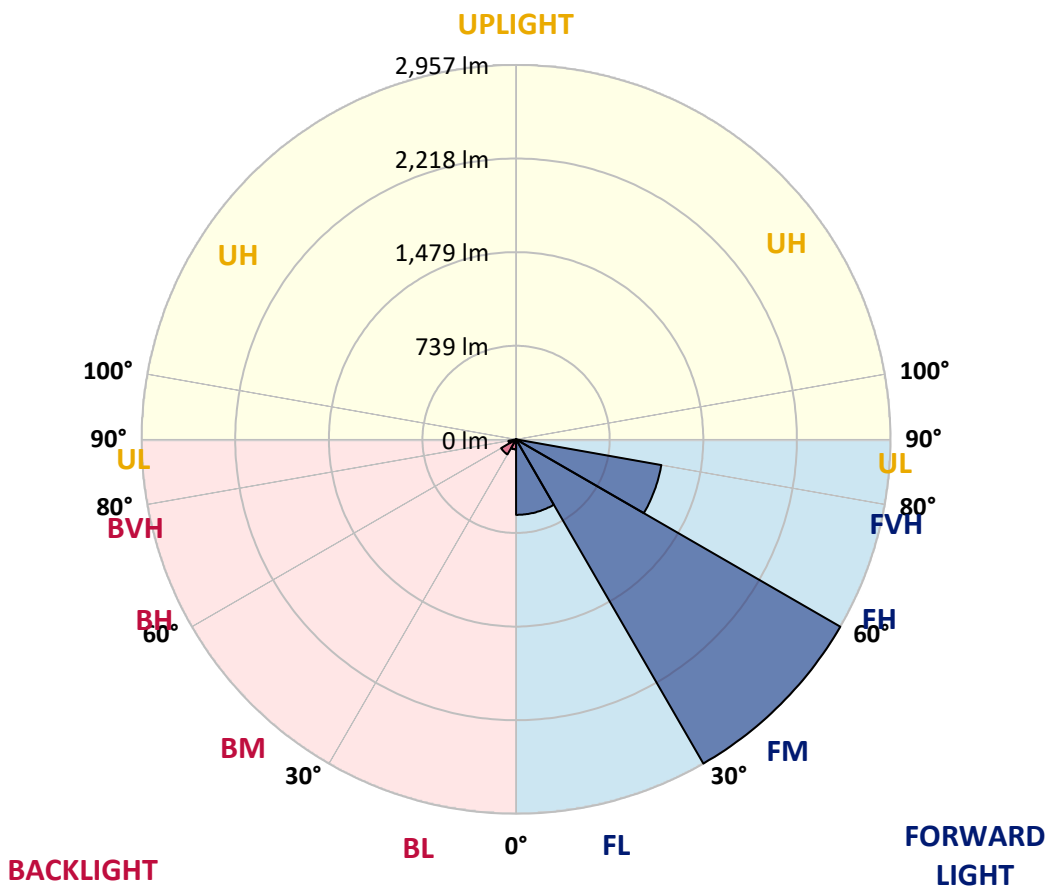
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	596.5	11.9			
FM (30°-60°)	2957.5	59.1			
FH (60°-80°)	1165.4	23.3			G1/1800
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	78.9	1.6	B0/110		
BM (30°-60°)	136.5	2.7	B0/220		
BH (60°-80°)	60.8	1.2	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9
2.5°	682.6	692.8	684.8	671.5	645.7	620.8	588.7	544.7	509.6	505.1	472.2
5°	921.8	920.9	903.6	886.2	859.1	816.4	751.9	670.1	591.4	584.7	510.9
7.5°	1064.1	1065.4	1055.7	1042.3	1015.6	971.6	904.5	805.7	690.6	677.2	563.8
10°	1183.7	1183.3	1176.2	1169.9	1145.9	1116.6	1044.5	936.0	797.3	776.4	623.0
12.5°	1273.5	1276.7	1280.2	1286.4	1276.2	1247.3	1179.3	1061.0	905.4	882.2	690.6
15°	1344.7	1345.6	1358.9	1382.9	1391.4	1376.3	1314.5	1181.9	1012.1	992.1	768.4
17.5°	1366.0	1367.8	1390.5	1434.5	1479.0	1487.4	1440.7	1303.8	1117.0	1095.7	844.0
20°	1410.9	1415.0	1431.8	1470.5	1526.6	1571.9	1553.7	1427.0	1222.0	1193.9	921.4
22.5°	1552.4	1554.6	1548.8	1553.7	1582.6	1635.1	1646.2	1546.1	1329.6	1299.8	1005.0
25°	1795.6	1796.5	1756.0	1717.8	1696.0	1705.8	1730.2	1656.0	1436.3	1406.9	1082.8
27.5°	2048.2	2051.3	2002.8	1937.9	1860.1	1815.6	1808.5	1756.5	1543.9	1511.4	1159.7
30°	2286.1	2286.1	2234.9	2155.8	2051.7	1965.0	1913.9	1857.8	1659.1	1623.5	1238.4
32.5°	2500.0	2498.2	2432.8	2347.0	2244.3	2149.1	2041.5	1963.7	1787.1	1747.6	1329.1
35°	2676.5	2672.0	2597.8	2515.5	2405.7	2335.0	2214.9	2077.5	1925.9	1886.3	1422.5
37.5°	2809.9	2805.0	2737.0	2649.8	2548.0	2502.2	2401.7	2214.0	2072.2	2036.2	1526.1
40°	2882.4	2872.6	2825.5	2760.5	2675.2	2635.1	2593.3	2383.5	2244.3	2199.4	1648.4
42.5°	2903.7	2892.2	2861.0	2830.8	2779.2	2747.6	2792.5	2574.7	2433.3	2394.6	1788.0
45°	2840.6	2833.9	2831.2	2853.0	2862.4	2871.3	2982.0	2786.3	2641.8	2612.5	1963.7
47.5°	2688.5	2686.7	2710.3	2801.0	2899.7	2993.5	3187.9	3047.3	2912.2	2880.6	2209.1
50°	2407.5	2425.7	2491.5	2650.7	2848.1	3062.9	3380.4	3409.3	3349.7	3303.5	2529.3
52.5°	1968.1	2003.3	2150.9	2392.8	2676.5	3043.3	3469.3	3699.2	3760.2	3712.1	2758.8
55°	1544.4	1577.3	1708.9	2015.7	2394.1	2894.4	3473.3	3799.3	3932.2	3887.8	2913.9
57.5°	1150.4	1180.6	1300.2	1593.7	2009.9	2601.3	3378.2	3854.9	4136.4	4107.9	3159.0
60°	751.9	781.7	889.8	1146.4	1559.0	2174.5	3143.8	3843.3	4414.3	4411.6	3460.0
62.5°	417.1	440.7	518.9	719.0	1088.1	1684.0	2775.7	3727.3	4683.3	4700.2	3708.1
65°	213.4	228.6	276.1	395.3	658.6	1193.9	2291.4	3461.3	4807.8	4850.5	3773.5
67.5°	139.6	144.5	156.1	205.4	352.6	751.1	1724.4	3034.9	4632.6	4682.4	3554.3
70°	113.4	117.4	124.1	137.0	181.9	398.9	1132.6	2423.9	3870.9	3904.7	2830.3
72.5°	83.2	88.5	101.4	109.8	131.2	218.8	589.2	1591.0	2658.3	2717.8	1778.7
75°	61.4	64.5	75.1	86.7	107.2	138.3	225.4	836.4	1372.7	1338.0	747.1
77.5°	36.9	39.1	48.0	55.6	76.5	86.3	78.7	309.0	417.5	392.6	180.5
80°	18.2	20.5	31.6	41.8	48.9	34.7	32.9	86.3	92.9	92.9	45.4
82.5°	6.2	8.0	16.9	27.6	24.0	13.3	15.6	22.2	24.9	26.2	13.3
85°	0.0	0.0	4.0	8.0	3.6	1.8	4.0	4.9	6.2	6.7	4.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.8	1.8
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°	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9
2.5°	454.5	433.6	402.0	373.5	351.7	331.3	315.7	303.3	301.0	293.9	294.8
5°	474.9	437.1	378.9	333.9	302.4	281.0	263.2	249.9	244.1	238.3	233.9
7.5°	506.5	451.8	370.0	315.3	278.4	245.5	217.9	195.7	185.0	178.3	173.9
10°	545.2	472.2	370.4	304.2	249.5	199.2	161.4	137.0	125.4	121.8	121.4
12.5°	591.4	498.0	374.0	285.9	207.7	148.1	119.6	108.5	104.9	101.8	101.8
15°	640.3	526.9	374.0	252.6	158.3	115.6	103.6	96.5	92.0	90.3	89.4
17.5°	691.9	554.1	365.1	206.8	121.4	101.8	92.0	85.4	81.8	79.2	78.3
20°	747.1	579.9	342.8	158.3	104.1	91.2	81.8	75.1	71.6	68.9	68.9
22.5°	803.1	603.9	306.8	121.8	92.0	80.9	72.0	65.8	62.3	59.6	59.6
25°	855.1	619.9	260.6	100.5	83.2	72.0	64.0	57.8	53.8	52.0	51.1
27.5°	903.6	630.1	209.4	88.5	74.7	64.5	56.0	50.2	47.1	45.8	44.9
30°	953.8	632.8	160.1	80.5	67.6	56.9	48.9	44.5	41.8	40.0	40.0
32.5°	1002.7	629.7	122.3	73.8	61.4	50.2	43.6	39.6	37.4	36.0	35.6
35°	1052.5	615.4	99.2	68.0	55.1	44.0	38.7	35.6	34.2	32.5	32.5
37.5°	1106.8	596.3	86.3	62.3	48.9	39.6	34.7	32.5	30.7	29.3	28.9
40°	1174.4	574.1	79.2	57.4	43.1	35.6	31.1	28.9	27.6	26.2	25.8
42.5°	1254.4	552.3	75.6	52.0	38.7	31.6	28.0	25.3	24.0	22.2	21.8
45°	1367.8	547.4	71.6	46.2	34.7	28.5	24.5	21.8	20.0	18.7	18.2
47.5°	1550.1	561.2	64.9	40.0	30.7	24.9	20.9	18.7	16.5	15.1	14.2
50°	1731.1	557.6	58.3	34.7	27.1	21.3	17.8	15.6	13.3	12.0	11.6
52.5°	1829.8	540.7	52.0	30.7	23.6	18.2	15.1	12.5	11.1	9.8	9.3
55°	1919.2	534.1	45.8	26.7	20.0	16.0	12.5	10.2	9.3	8.0	7.6
57.5°	2094.4	549.6	40.5	23.1	17.3	13.8	10.7	8.4	7.6	6.2	5.8
60°	2277.6	551.4	34.7	20.0	15.1	11.6	8.4	6.7	5.8	4.4	4.0
62.5°	2373.2	506.5	28.5	16.9	12.5	9.8	7.1	5.3	4.4	2.7	2.7
65°	2293.2	409.5	24.0	13.8	9.8	7.6	5.3	4.0	2.7	1.3	0.4
67.5°	2029.5	291.3	20.0	11.1	7.1	5.3	4.0	2.7	0.4	0.0	0.0
70°	1486.1	166.3	15.6	8.0	5.3	3.6	2.7	1.3	0.0	0.0	0.0
72.5°	913.4	88.9	11.6	5.3	4.0	2.7	2.2	0.9	0.0	0.0	0.0
75°	346.4	42.7	7.1	3.6	3.1	2.2	1.3	0.4	0.0	0.0	0.0
77.5°	93.8	20.9	4.0	2.7	2.2	1.3	0.9	0.0	0.0	0.0	0.0
80°	24.5	9.8	2.7	1.8	1.3	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	8.4	4.4	1.3	1.3	0.9	0.4	0.0	0.0	0.0	0.0	0.0
85°	3.6	1.8	0.9	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.4	0.4	0.4	0.4	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)