

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: P634318

Luminaire Tested: GWS-SA3B-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7636.2 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

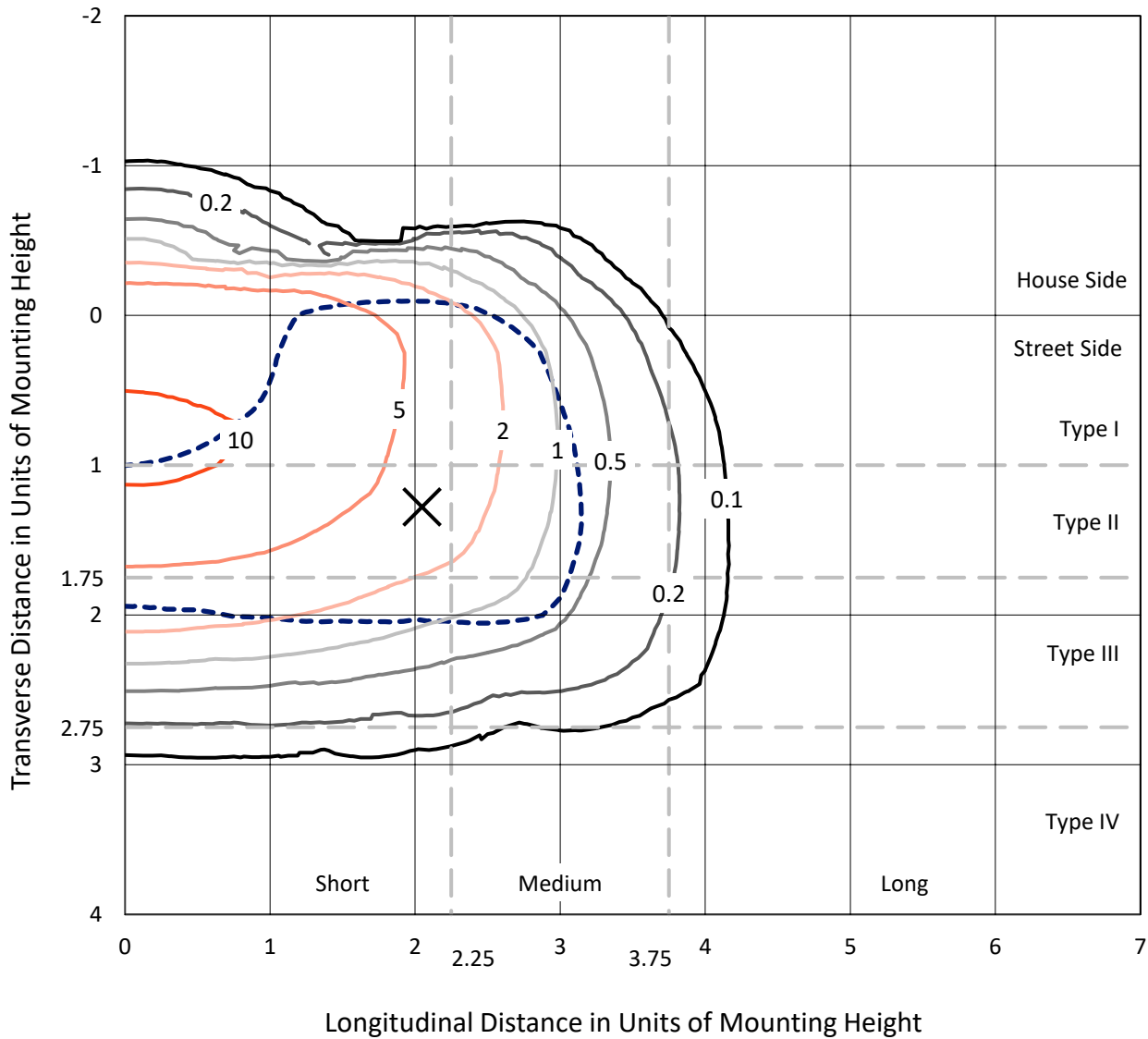
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

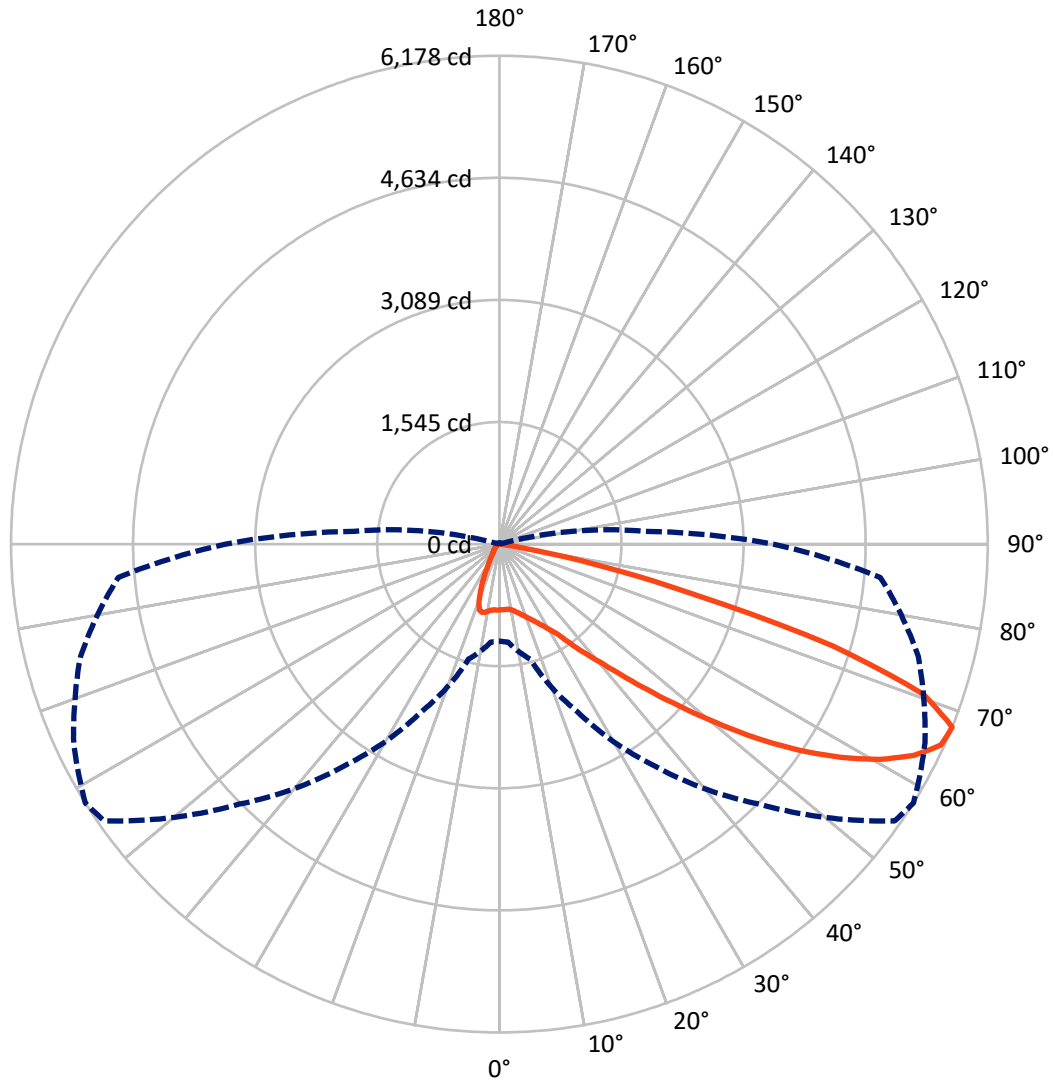
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.1	0.0	833.1
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	6803.1	0.0	6803.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	7636.2	0.0	7636.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	1.0
10°-20°	219.5	2.9
20°-30°	383.1	5.0
30°-40°	684.2	9.0
40°-50°	1250.5	16.4
50°-60°	2079.7	27.2
60°-70°	2258.9	29.6
70°-80°	663.2	8.7
80°-90°	18.9	0.2
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°	7636.2	100.0
0°-180°	7636.2	100.0

Coefficient of Utilization



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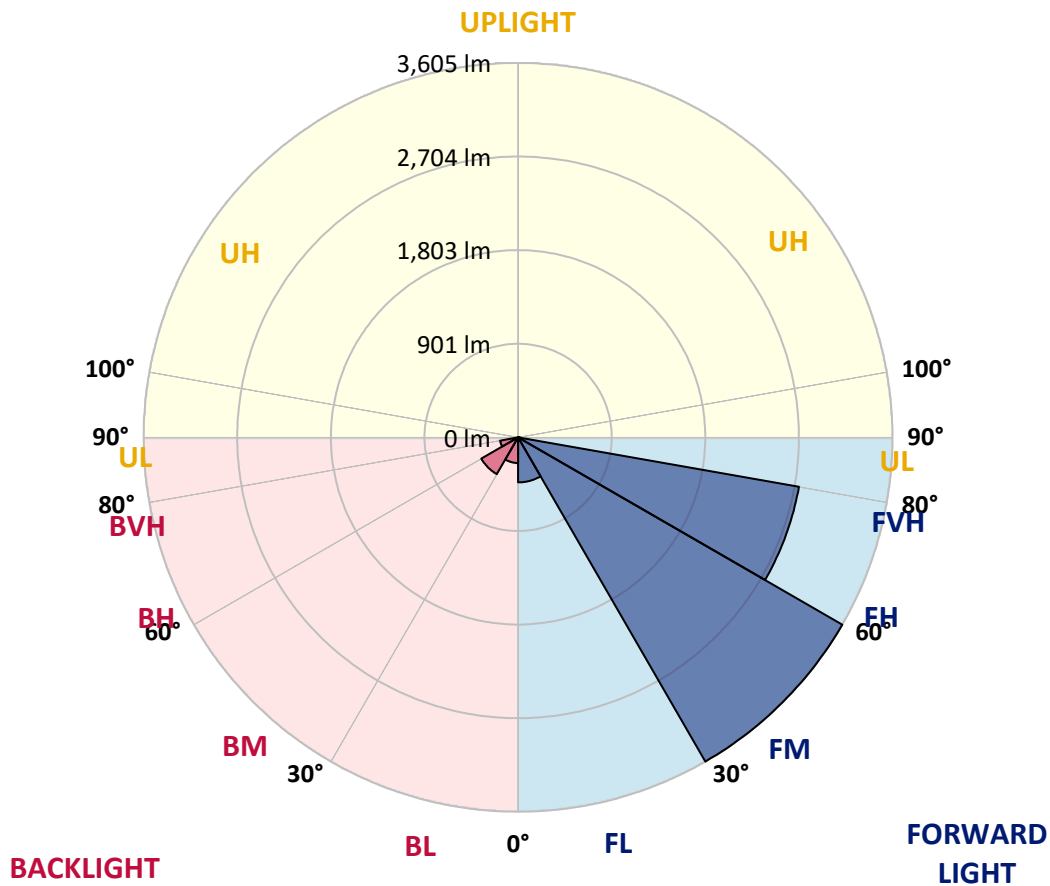
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.6	5.7			
FM (30°-60°)	3605.2	47.2			
FH (60°-80°)	2746.3	36.0			G2/5000
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	247.1	3.2	B1/500		
BM (30°-60°)	409.2	5.4	B1/1000		
BH (60°-80°)	175.9	2.3	B1/500		G1/500
BVH (80°-90°)	0.9	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1
2.5°	816.5	815.0	815.0	820.9	821.7	824.7	831.4	832.1	835.8	834.4	829.1
5°	774.0	774.7	779.2	789.6	798.6	809.7	826.2	829.9	838.1	842.6	839.6
7.5°	734.4	735.2	741.9	758.3	775.5	797.8	824.7	832.1	848.5	860.5	861.2
10°	719.5	718.8	725.5	744.1	766.5	797.8	836.6	846.3	870.9	891.8	895.5
12.5°	724.0	723.3	730.0	747.1	771.7	811.2	857.5	870.9	902.2	934.3	941.0
15°	741.9	741.2	745.6	759.8	786.6	827.6	884.3	904.4	944.0	982.7	993.2
17.5°	795.6	791.9	787.4	788.9	804.5	847.0	918.6	943.2	992.4	1038.7	1047.6
20°	891.0	881.3	869.4	853.7	846.3	875.4	958.1	986.5	1046.1	1099.1	1100.5
22.5°	1034.9	1031.2	1003.6	958.1	926.1	926.8	1004.4	1037.2	1110.2	1168.4	1160.2
25°	1235.5	1233.3	1190.8	1116.2	1032.7	1004.4	1063.3	1096.8	1186.3	1248.2	1222.1
27.5°	1484.5	1468.9	1418.9	1318.3	1193.7	1105.0	1137.8	1167.6	1266.8	1325.0	1275.8
30°	1701.5	1702.3	1655.3	1550.2	1410.0	1256.4	1228.8	1254.9	1340.6	1401.8	1342.1
32.5°	1910.3	1917.0	1865.6	1770.9	1617.3	1454.0	1359.3	1363.7	1435.3	1501.7	1429.4
35°	2104.2	2109.4	2073.6	1993.1	1849.9	1660.5	1541.2	1539.0	1577.7	1645.6	1550.9
37.5°	2321.1	2326.4	2291.3	2219.0	2084.8	1896.9	1747.7	1744.8	1760.4	1815.6	1707.5
40°	2552.3	2562.0	2523.2	2462.1	2333.8	2175.0	1987.8	1961.0	1945.3	2010.2	1910.3
42.5°	2786.4	2801.3	2787.9	2726.8	2617.1	2485.9	2299.5	2257.8	2224.2	2305.5	2199.6
45°	3077.2	3095.1	3089.1	3042.2	2957.1	2850.5	2674.6	2626.1	2610.4	2685.7	2559.7
47.5°	3356.8	3376.2	3397.8	3387.4	3327.0	3277.8	3082.4	3054.8	3050.4	3130.9	2935.5
50°	3564.8	3582.7	3665.5	3725.1	3766.2	3755.7	3586.5	3545.4	3538.7	3590.2	3332.2
52.5°	3714.0	3731.1	3845.2	4031.6	4182.2	4264.2	4093.5	4084.5	4048.0	4030.1	3703.5
55°	3829.5	3853.4	3973.4	4255.3	4558.8	4740.7	4634.1	4602.0	4508.0	4405.2	4048.0
57.5°	3852.6	3862.3	4031.6	4411.9	4851.0	5145.6	5145.6	5089.6	4908.5	4766.0	4446.2
60°	3645.4	3675.2	3904.1	4399.2	4976.3	5410.3	5569.8	5531.0	5286.5	5111.3	4829.4
62.5°	3185.3	3218.9	3497.7	4095.7	4851.0	5464.7	5891.2	5885.2	5609.3	5396.8	5147.1
65°	2442.7	2467.3	2710.3	3426.1	4321.6	5255.2	6120.8	6137.2	5864.3	5585.5	5256.7
67.5°	1227.3	1244.4	1506.9	2340.5	3425.4	4652.0	6105.2	6178.2	5941.9	5485.6	4838.4
70°	428.7	445.9	569.7	1004.4	2084.8	3552.2	5577.3	5696.6	5486.3	4682.5	3569.3
72.5°	146.9	155.1	236.4	372.8	811.2	2105.6	4241.1	4420.8	4044.3	3143.6	2051.2
75°	83.5	88.7	126.8	202.1	340.0	692.7	2406.1	2516.5	2357.7	1713.4	844.0
77.5°	56.7	61.1	79.0	114.8	187.9	222.9	981.2	1235.5	1077.4	559.2	215.5
80°	33.6	36.5	48.5	67.9	96.2	86.5	210.3	279.6	360.1	167.0	64.9
82.5°	15.7	17.9	31.3	44.7	48.5	36.5	61.9	75.3	101.4	82.0	26.8
85°	0.0	0.0	10.4	18.6	17.9	10.4	17.1	18.6	27.6	41.0	10.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.2	4.5	8.2	4.5
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°	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1	832.1
2.5°	835.1	829.9	835.8	832.9	835.8	835.1	829.1	825.4	825.4	818.7	816.5
5°	845.5	840.3	841.8	835.1	833.6	829.9	822.4	819.4	819.4	812.7	810.5
7.5°	868.7	860.5	859.0	845.5	839.6	829.1	815.7	810.5	809.7	803.0	800.8
10°	905.2	895.5	888.8	871.6	854.5	833.6	805.3	781.4	768.0	750.1	748.6
12.5°	949.9	938.0	927.6	901.5	873.1	826.2	742.6	655.4	601.7	559.2	562.2
15°	999.9	988.7	972.3	932.8	874.6	752.3	577.9	443.6	378.0	343.0	341.5
17.5°	1054.3	1037.9	1011.1	957.4	827.6	574.9	375.8	265.4	231.1	219.2	216.2
20°	1105.0	1084.9	1051.3	962.6	691.9	389.2	234.9	205.8	199.8	196.1	196.1
22.5°	1158.7	1133.4	1083.4	922.3	514.5	249.0	199.8	193.1	188.6	183.4	182.7
25°	1213.1	1180.3	1112.5	817.2	337.0	196.1	187.2	179.7	171.5	163.3	161.1
27.5°	1259.4	1216.9	1134.8	660.6	216.2	176.7	170.7	158.1	146.9	137.9	136.4
30°	1314.5	1260.1	1144.5	483.2	170.0	155.8	146.9	133.5	120.0	111.1	108.1
32.5°	1388.4	1328.7	1129.6	314.7	150.6	137.2	123.0	107.4	93.9	84.3	82.8
35°	1503.2	1432.3	1061.0	200.6	136.4	118.6	101.4	85.0	73.8	66.4	64.9
37.5°	1643.4	1577.7	948.4	150.6	122.3	102.9	82.8	67.1	58.9	53.7	52.2
40°	1851.4	1759.7	809.0	132.0	108.1	87.2	67.9	55.2	49.2	44.7	43.2
42.5°	2121.3	1974.4	648.7	120.0	94.7	73.1	55.2	45.5	40.3	37.3	36.5
45°	2436.7	2183.9	479.4	108.1	82.0	60.4	45.5	37.3	33.6	31.3	30.6
47.5°	2759.6	2367.4	331.1	95.4	70.1	50.0	38.0	32.1	29.1	26.1	25.4
50°	3104.0	2522.4	225.9	82.8	59.7	41.0	32.8	29.1	25.4	23.1	22.4
52.5°	3356.8	2579.9	157.3	71.6	50.7	35.0	29.1	26.1	23.1	20.1	19.4
55°	3590.2	2578.4	119.3	60.4	43.2	30.6	26.1	23.1	20.1	17.9	17.1
57.5°	3822.8	2558.2	93.9	51.4	37.3	27.6	23.1	20.1	18.6	15.7	14.9
60°	3973.4	2482.2	73.1	43.2	32.1	23.9	20.1	17.9	15.7	13.4	12.7
62.5°	4053.2	2376.3	55.9	34.3	26.1	20.9	17.9	15.7	13.4	11.2	10.4
65°	3945.1	2188.4	44.0	26.8	20.1	17.9	14.9	12.7	10.4	8.2	7.5
67.5°	3465.7	1845.4	34.3	21.6	15.7	13.4	12.7	10.4	7.5	6.0	5.2
70°	2449.4	1263.8	26.8	16.4	11.9	10.4	9.7	8.2	6.0	4.5	3.7
72.5°	1344.4	637.5	19.4	11.9	8.9	8.2	7.5	6.7	5.2	3.7	3.7
75°	517.5	175.2	14.2	8.2	6.0	6.0	5.2	5.2	4.5	3.0	3.0
77.5°	135.0	52.2	8.9	5.2	3.7	3.7	3.7	3.0	3.0	2.2	2.2
80°	43.2	17.1	5.2	3.7	3.0	2.2	2.2	1.5	2.2	1.5	1.5
82.5°	14.2	6.0	3.0	3.0	2.2	1.5	1.5	0.7	0.7	0.0	0.0
85°	5.2	3.0	2.2	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0
87.5°	3.0	1.5	1.5	1.5	1.5	0.7	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)