

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: P631615

Luminaire Tested: GWS-SA2B-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3807.8 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

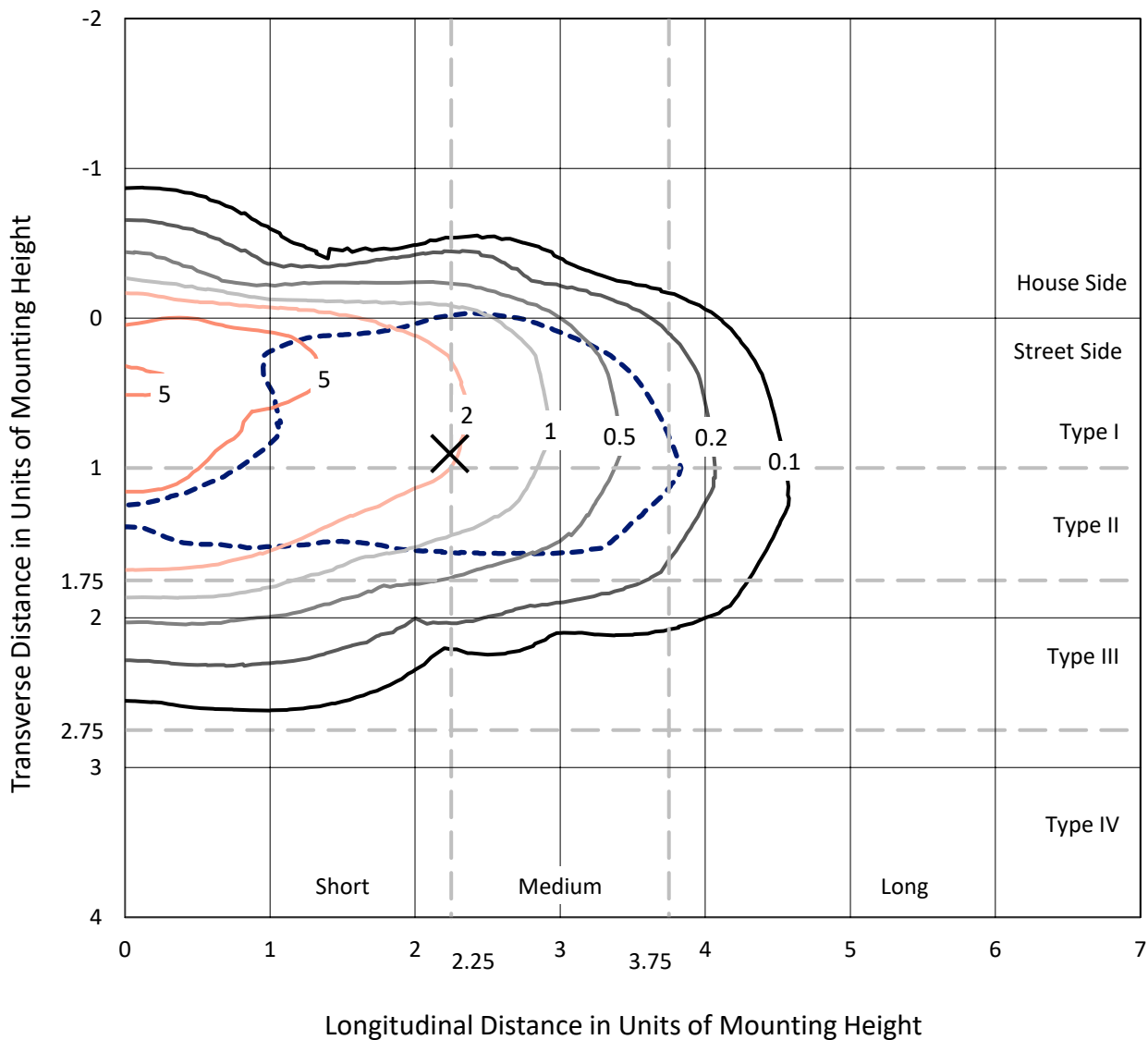
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

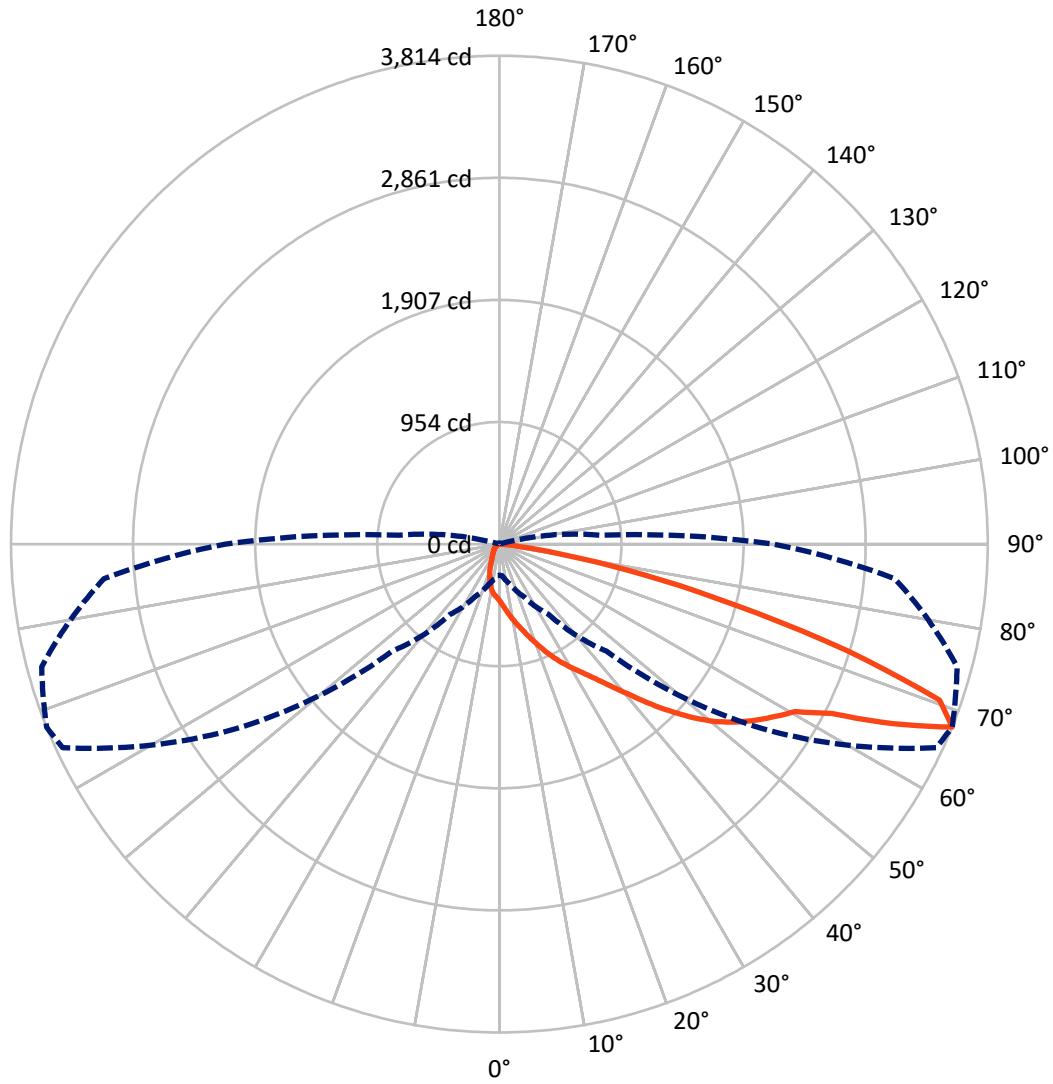
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA2B-722-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA2B-722-U-T2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	275.0	0.0	275.0
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	3532.8	0.0	3532.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	3807.8	0.0	3807.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.1
10°-20°	124.1	3.3
20°-30°	213.3	5.6
30°-40°	370.8	9.7
40°-50°	647.0	17.0
50°-60°	975.9	25.6
60°-70°	978.6	25.7
70°-80°	431.8	11.3
80°-90°	23.1	0.6
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°	3807.8	100.0
0°-180°	3807.8	100.0

Coefficient of Utilization

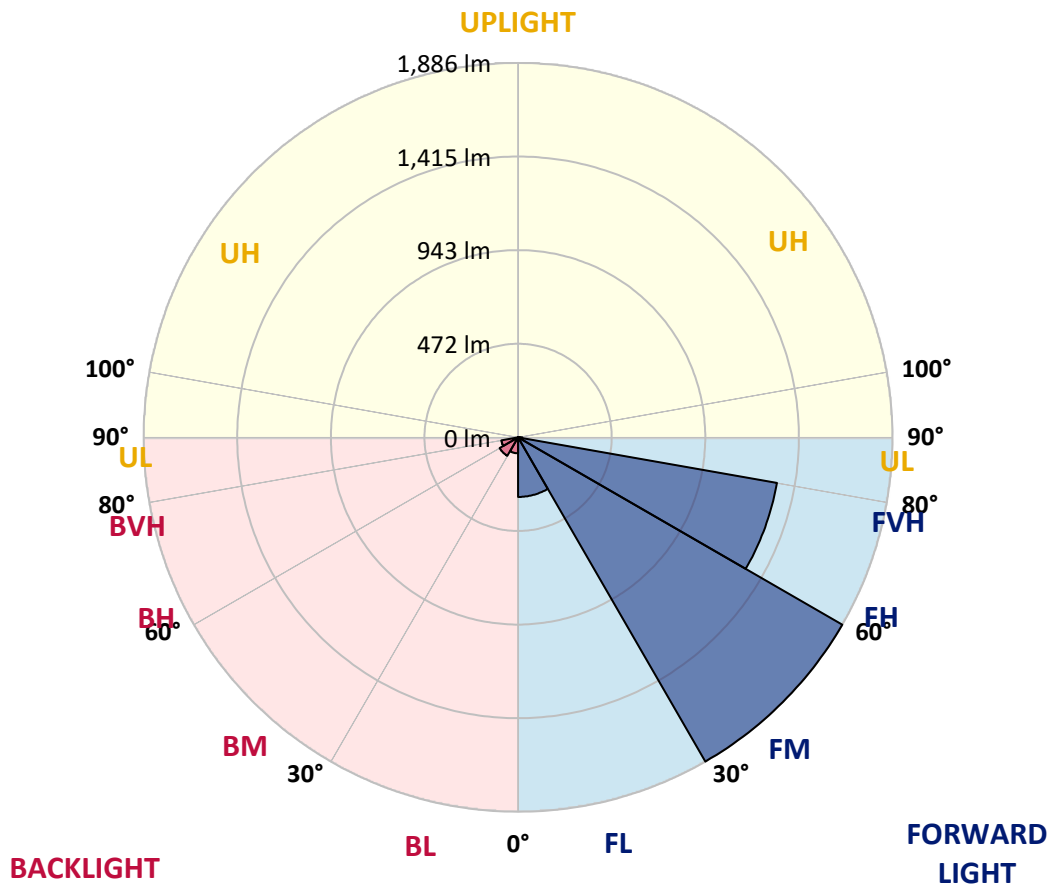


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.2	7.9			
FM (30°-60°)	1886.4	49.5			
FH (60°-80°)	1324.5	34.8			G1/1800
FVH (80°-90°)	21.8	0.6			G1/100
BL (0°-30°)	80.4	2.1	B0/110		
BM (30°-60°)	107.4	2.8	B0/220		
BH (60°-80°)	85.8	2.3	B0/110		G0/110
BVH (80°-90°)	1.3	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





REPORT NUMBER: P631615

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1
2.5°	516.0	519.3	516.0	516.7	507.3	502.9	493.4	480.3	477.0	468.6	455.9
5°	579.1	582.0	578.7	578.0	567.0	559.0	543.3	520.8	514.2	497.8	472.6
7.5°	613.3	615.1	616.2	618.1	614.0	607.5	593.3	565.2	558.3	531.7	496.3
10°	617.0	618.4	623.9	634.8	642.8	646.8	638.8	612.9	602.0	576.1	525.5
12.5°	606.8	608.9	617.7	635.9	658.1	678.5	683.6	661.1	651.2	618.1	559.7
15°	593.3	595.1	607.1	631.9	665.4	703.0	724.1	714.3	703.3	668.7	597.6
17.5°	572.5	575.1	591.8	625.3	668.7	722.3	767.8	771.1	763.5	725.9	639.6
20°	560.8	562.7	577.6	612.2	666.5	736.5	808.6	839.6	831.2	791.9	687.7
22.5°	570.7	572.1	582.0	608.9	659.2	744.5	846.5	908.1	903.4	862.6	738.3
25°	622.4	627.2	621.3	626.1	662.5	748.9	877.2	976.6	977.7	936.6	790.8
27.5°	727.4	721.2	707.3	683.6	688.0	760.5	903.4	1041.1	1050.6	1008.7	837.4
30°	834.2	830.5	822.1	785.3	754.7	786.4	925.6	1107.1	1122.0	1079.8	879.0
32.5°	954.0	957.7	942.7	898.7	846.5	838.9	948.6	1169.8	1197.8	1160.3	927.8
35°	1097.3	1098.4	1068.8	1020.0	961.0	925.6	989.8	1239.0	1290.8	1263.1	993.0
37.5°	1236.8	1243.4	1227.4	1150.5	1098.0	1033.5	1057.9	1327.9	1400.8	1389.9	1075.0
40°	1360.4	1370.6	1365.5	1291.1	1222.3	1168.0	1163.6	1432.2	1533.8	1546.2	1183.3
42.5°	1458.8	1465.3	1469.3	1416.5	1355.6	1325.0	1294.0	1553.1	1690.9	1741.5	1315.9
45°	1562.6	1564.8	1573.2	1537.5	1484.3	1486.8	1448.2	1700.0	1856.3	1958.0	1468.2
47.5°	1694.9	1702.2	1698.2	1660.6	1612.5	1641.3	1607.4	1851.2	2019.6	2189.1	1624.2
50°	1856.0	1863.6	1860.0	1816.3	1762.7	1774.7	1753.6	1998.1	2177.0	2407.0	1753.9
52.5°	1939.1	1945.3	1990.4	2010.1	1982.1	1905.5	1878.2	2159.5	2310.0	2586.3	1873.1
55°	1899.0	1903.4	2001.7	2084.8	2187.6	2111.1	2003.6	2284.2	2427.4	2726.2	1961.7
57.5°	1732.8	1756.5	1890.2	2030.9	2247.0	2314.0	2206.9	2419.7	2540.4	2823.5	2048.8
60°	1392.1	1391.0	1582.7	1835.2	2131.1	2369.8	2494.1	2603.0	2653.7	2898.2	2165.4
62.5°	769.3	776.2	1031.3	1364.0	1809.0	2225.5	2709.4	2919.7	2912.1	3028.7	2347.9
65°	383.0	396.9	535.3	781.3	1203.7	1839.2	2746.6	3402.9	3381.1	3335.9	2725.1
67.5°	243.1	248.5	325.1	454.1	669.1	1182.2	2515.2	3763.3	3814.0	3700.3	3099.4
70°	157.4	166.5	225.9	310.5	403.8	609.3	1842.5	3529.7	3646.0	3660.2	2866.1
72.5°	85.6	92.2	144.3	221.6	291.5	304.7	1034.9	2648.9	2835.9	3104.8	2242.3
75°	48.8	53.6	79.1	150.5	213.9	185.5	458.8	1773.3	1892.4	2218.9	1606.7
77.5°	29.5	33.5	44.5	73.2	134.1	123.9	173.5	1079.4	1155.2	1323.9	843.3
80°	13.5	16.0	28.1	40.5	73.2	58.7	66.3	503.3	519.7	543.3	279.1
82.5°	6.2	7.3	12.8	24.1	41.5	33.9	25.5	116.2	163.6	154.9	71.1
85°	0.7	0.7	4.7	9.8	11.7	8.7	10.6	26.2	33.2	46.6	20.4
87.5°	0.0	0.0	0.4	0.4	0.7	1.1	2.2	3.3	4.7	7.7	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631615

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1	443.1
2.5°	450.1	439.9	430.7	417.3	408.1	397.9	391.0	382.6	379.4	376.8	373.2
5°	460.3	443.9	421.6	396.9	376.4	357.1	339.3	327.6	317.4	315.9	310.8
7.5°	477.0	452.6	415.1	374.6	340.0	307.9	282.8	262.4	252.2	248.9	243.1
10°	499.3	465.7	405.2	343.3	293.4	255.1	226.7	203.7	187.7	181.8	177.5
12.5°	524.0	477.8	389.6	304.7	247.8	204.1	168.0	143.6	133.4	129.7	126.5
15°	552.5	489.0	364.8	266.0	203.3	150.1	124.6	114.1	109.7	108.6	107.5
17.5°	579.8	496.3	335.3	225.9	156.3	116.6	104.6	100.6	99.5	98.4	97.7
20°	610.8	501.4	300.6	188.0	121.4	98.8	92.9	90.0	87.8	85.6	85.3
22.5°	642.5	501.4	263.1	150.9	101.7	88.6	82.0	76.5	72.5	70.3	69.6
25°	672.7	494.5	225.9	120.6	89.6	78.7	70.3	64.1	58.7	56.1	55.4
27.5°	694.2	476.7	193.5	102.0	81.3	70.0	59.8	52.8	48.5	45.9	45.6
30°	707.7	450.1	163.6	91.1	74.0	60.9	50.7	44.8	41.5	39.7	39.0
32.5°	717.9	417.3	137.0	83.5	67.1	52.8	44.1	39.4	36.4	35.0	34.6
35°	738.3	386.3	117.3	76.5	59.8	46.3	38.6	35.0	32.8	31.0	30.6
37.5°	766.7	360.4	101.7	70.3	52.8	41.2	35.0	31.7	29.9	28.1	27.7
40°	808.6	344.0	90.0	64.1	46.6	37.2	32.1	29.2	26.6	24.8	24.4
42.5°	873.1	336.4	82.4	57.9	41.2	33.5	29.5	25.9	23.3	21.5	21.1
45°	950.0	340.4	75.8	51.7	37.5	31.0	26.2	22.6	20.0	18.2	17.9
47.5°	1032.4	354.6	70.3	45.9	33.9	28.4	23.3	19.3	17.1	15.3	14.9
50°	1118.4	377.9	65.6	40.5	31.0	25.5	20.0	16.8	14.6	13.1	12.8
52.5°	1193.1	409.6	60.9	36.4	28.4	22.6	17.5	14.6	12.4	10.9	10.6
55°	1264.5	439.5	57.2	32.8	25.5	19.7	15.3	12.4	10.6	9.1	8.7
57.5°	1342.1	471.2	52.8	29.5	23.0	17.5	13.5	10.6	9.1	7.7	7.3
60°	1455.1	518.2	46.3	27.0	20.0	15.3	11.7	9.5	8.0	6.2	5.8
62.5°	1618.0	603.8	39.0	23.3	17.1	13.1	9.8	8.0	6.6	5.1	4.4
65°	1922.7	749.6	32.1	19.3	13.8	10.9	8.4	6.6	5.1	3.6	3.3
67.5°	2142.0	787.5	25.9	15.7	11.3	8.4	6.9	5.1	3.6	2.6	2.2
70°	1872.7	565.6	20.0	12.8	9.5	6.6	5.5	4.0	2.6	1.8	1.5
72.5°	1411.0	369.5	14.9	9.8	7.3	5.5	4.0	3.3	2.2	1.5	1.1
75°	994.5	213.5	10.9	7.3	5.1	4.0	3.3	2.6	1.8	1.1	1.1
77.5°	509.8	88.2	7.7	5.1	3.6	2.6	2.2	1.5	1.5	1.1	0.7
80°	154.9	29.2	4.4	3.3	2.6	1.8	1.1	1.1	1.1	0.7	0.4
82.5°	35.3	9.5	2.6	2.6	1.8	1.5	1.1	0.4	0.4	0.0	0.0
85°	9.1	2.9	2.2	1.8	1.8	1.5	0.7	0.4	0.0	0.0	0.0
87.5°	3.3	1.8	1.8	1.8	1.5	1.1	0.7	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)