

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: P632389

Luminaire Tested: GWS-SA2C-750-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632389
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-SA2C-750-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7635.3 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

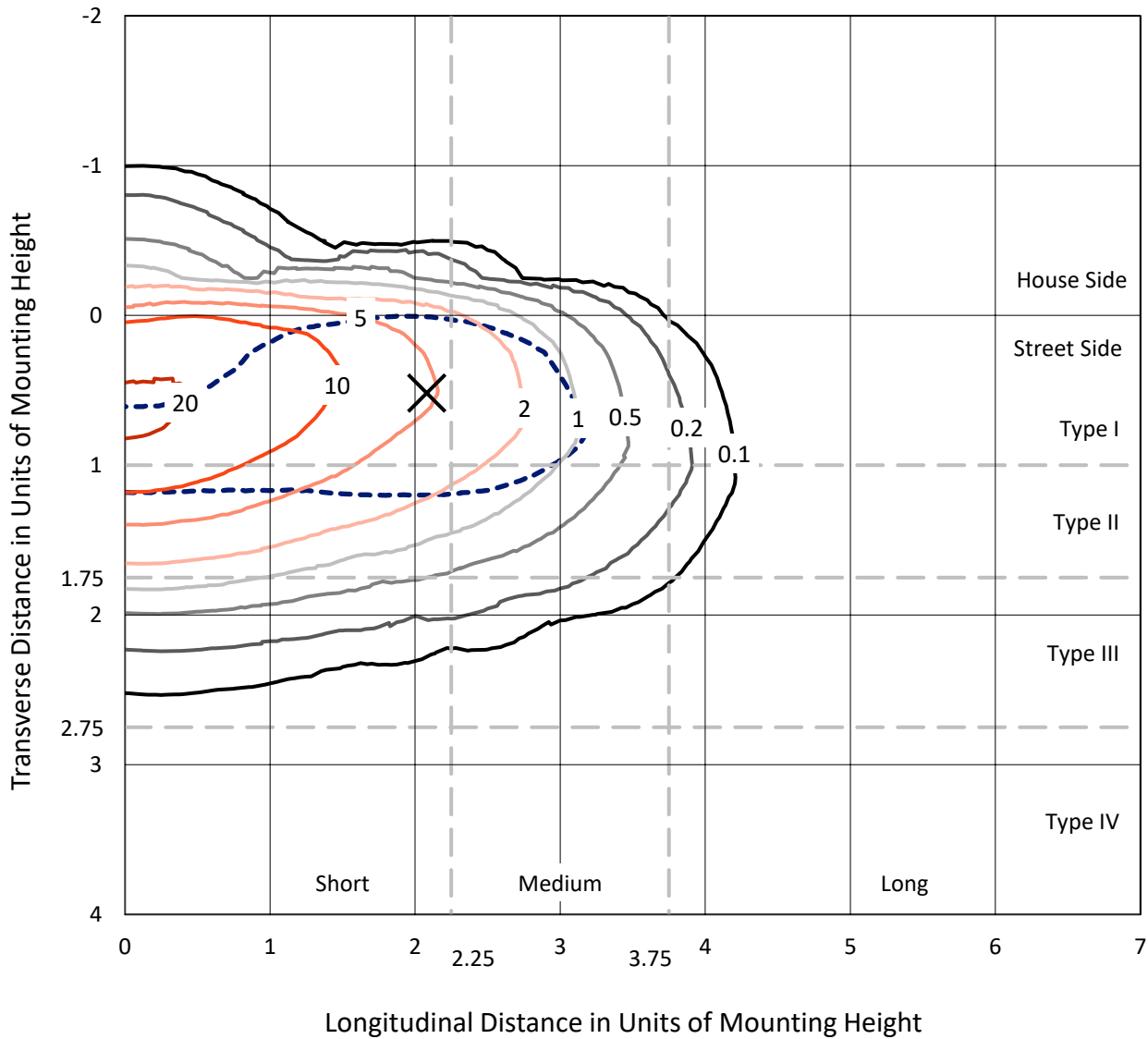
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

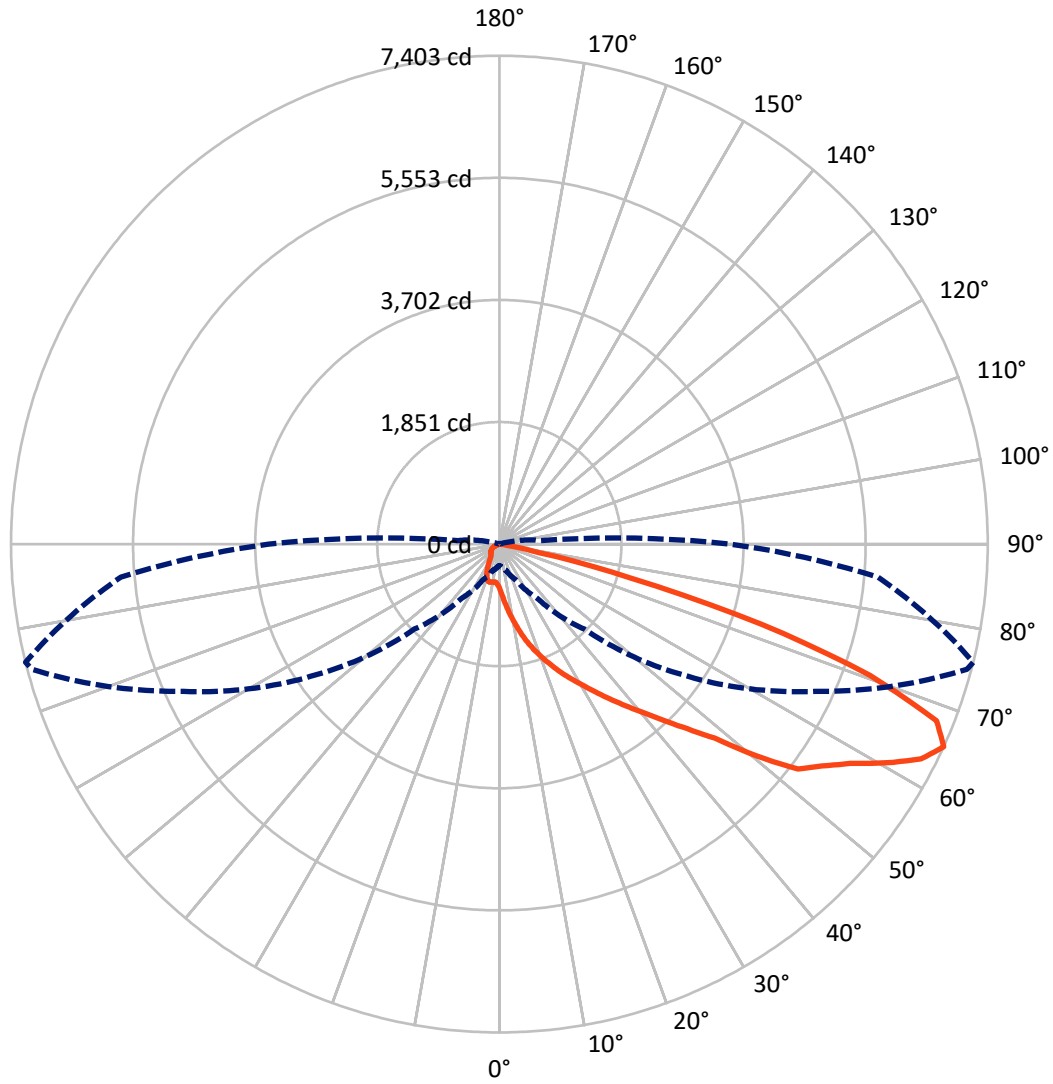
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.9 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	422.2	0.0	422.2
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	7213.1	0.0	7213.1
	% Fixture	94.5	0.0	94.5
Total	Lumens	7635.3	0.0	7635.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.2	1.1
10°-20°	312.1	4.1
20°-30°	636.6	8.3
30°-40°	1132.3	14.8
40°-50°	1673.8	21.9
50°-60°	1916.3	25.1
60°-70°	1462.1	19.1
70°-80°	409.6	5.4
80°-90°	10.3	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°	7635.3	100.0
0°-180°	7635.3	100.0

Coefficient of Utilization



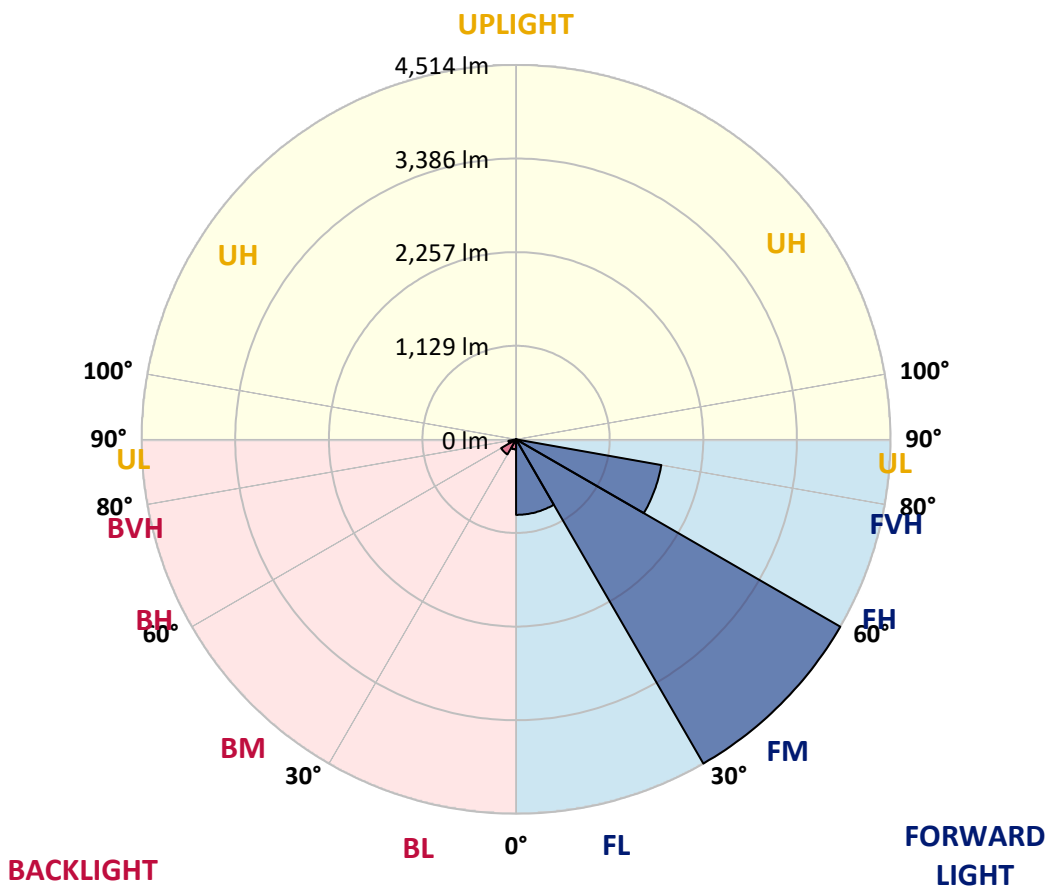
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	910.5	11.9			
FM (30°-60°)	4514.1	59.1			
FH (60°-80°)	1778.8	23.3			G1/1800
FVH (80°-90°)	9.7	0.1			G0/10
BL (0°-30°)	120.5	1.6	B1/500		
BM (30°-60°)	208.3	2.7	B0/220		
BH (60°-80°)	92.8	1.2	B0/110		G0/110
BVH (80°-90°)	0.6	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0
2.5°	1041.8	1057.4	1045.2	1024.9	985.5	947.5	898.6	831.4	777.8	771.0	720.8
5°	1407.0	1405.6	1379.2	1352.7	1311.3	1246.1	1147.7	1022.8	902.7	892.5	779.8
7.5°	1624.2	1626.2	1611.3	1590.9	1550.2	1483.0	1380.5	1229.8	1054.0	1033.7	860.6
10°	1806.7	1806.1	1795.2	1785.7	1749.1	1704.3	1594.3	1428.7	1216.9	1185.0	950.9
12.5°	1943.8	1948.6	1954.0	1963.5	1947.9	1903.8	1800.0	1619.4	1381.9	1346.6	1054.0
15°	2052.4	2053.8	2074.2	2110.8	2123.7	2100.6	2006.3	1804.0	1544.8	1514.2	1172.8
17.5°	2085.0	2087.7	2122.3	2189.5	2257.4	2270.3	2199.0	1990.0	1704.9	1672.4	1288.2
20°	2153.6	2159.7	2185.5	2244.5	2330.0	2399.3	2371.4	2178.0	1865.1	1822.4	1406.3
22.5°	2369.4	2372.8	2364.0	2371.4	2415.6	2495.6	2512.6	2359.9	2029.4	1983.9	1533.9
25°	2740.7	2742.0	2680.3	2621.9	2588.6	2603.6	2640.9	2527.5	2192.3	2147.5	1652.7
27.5°	3126.2	3130.9	3056.9	2957.9	2839.1	2771.2	2760.3	2680.9	2356.5	2307.0	1770.1
30°	3489.3	3489.3	3411.2	3290.4	3131.6	2999.3	2921.2	2835.7	2532.3	2478.0	1890.2
32.5°	3815.7	3813.0	3713.3	3582.3	3425.5	3280.2	3116.0	2997.2	2727.8	2667.4	2028.7
35°	4085.2	4078.4	3965.1	3839.5	3671.9	3563.9	3380.7	3171.0	2939.5	2879.1	2171.2
37.5°	4288.8	4281.3	4177.5	4044.5	3889.1	3819.1	3665.8	3379.3	3162.8	3107.8	2329.4
40°	4399.4	4384.5	4312.6	4213.5	4083.2	4022.1	3958.3	3637.9	3425.5	3356.9	2516.0
42.5°	4432.0	4414.4	4366.9	4320.7	4242.0	4193.8	4262.3	3929.8	3713.9	3654.9	2729.1
45°	4335.6	4325.5	4321.4	4354.7	4368.9	4382.5	4551.5	4252.8	4032.3	3987.5	2997.2
47.5°	4103.5	4100.8	4136.8	4275.2	4425.9	4569.1	4865.7	4651.3	4444.9	4396.7	3371.9
50°	3674.6	3702.4	3802.9	4045.8	4347.2	4675.0	5159.6	5203.7	5112.8	5042.2	3860.5
52.5°	3004.0	3057.6	3283.0	3652.2	4085.2	4645.1	5295.4	5646.3	5739.2	5665.9	4210.8
55°	2357.2	2407.4	2608.3	3076.6	3654.2	4417.8	5301.5	5799.0	6001.9	5934.0	4447.6
57.5°	1755.8	1802.0	1984.6	2432.5	3067.8	3970.5	5156.2	5883.8	6313.4	6270.0	4821.6
60°	1147.7	1193.2	1358.1	1749.7	2379.6	3318.9	4798.5	5866.2	6737.6	6733.6	5281.1
62.5°	636.6	672.6	792.1	1097.5	1660.8	2570.3	4236.6	5689.0	7148.3	7174.0	5659.8
65°	325.8	348.9	421.5	603.4	1005.2	1822.4	3497.4	5283.1	7338.3	7403.4	5759.6
67.5°	213.1	220.6	238.2	313.6	538.2	1146.4	2632.1	4632.2	7070.9	7146.9	5425.0
70°	173.1	179.2	189.4	209.0	277.6	608.8	1728.7	3699.7	5908.2	5959.8	4320.0
72.5°	126.9	135.1	154.7	167.6	200.2	333.9	899.3	2428.5	4057.4	4148.3	2714.9
75°	93.7	98.4	114.7	132.3	163.6	211.1	344.1	1276.7	2095.2	2042.3	1140.2
77.5°	56.3	59.7	73.3	84.8	116.7	131.7	120.1	471.7	637.3	599.3	275.6
80°	27.8	31.2	48.2	63.8	74.7	52.9	50.2	131.7	141.9	141.9	69.2
82.5°	9.5	12.2	25.8	42.1	36.7	20.4	23.8	33.9	38.0	40.0	20.4
85°	0.0	0.0	6.1	12.2	5.4	2.7	6.1	7.5	9.5	10.2	6.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.7	2.7
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°	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0
2.5°	693.6	661.7	613.6	570.1	536.9	505.6	481.9	462.9	459.5	448.6	450.0
5°	724.9	667.2	578.3	509.7	461.5	428.9	401.8	381.4	372.6	363.8	357.0
7.5°	773.1	689.6	564.7	481.2	424.9	374.7	332.6	298.6	282.3	272.2	265.4
10°	832.1	720.8	565.4	464.2	380.8	304.1	246.4	209.0	191.4	186.0	185.3
12.5°	902.7	760.2	570.8	436.4	317.0	226.0	182.6	165.6	160.2	155.4	155.4
15°	977.4	804.3	570.8	385.5	241.6	176.5	158.1	147.3	140.5	137.8	136.4
17.5°	1056.1	845.7	557.2	315.6	185.3	155.4	140.5	130.3	124.9	120.8	119.5
20°	1140.2	885.0	523.3	241.6	158.8	139.1	124.9	114.7	109.3	105.2	105.2
22.5°	1225.8	921.7	468.3	186.0	140.5	123.5	110.0	100.5	95.0	90.9	90.9
25°	1305.2	946.1	397.7	153.4	126.9	110.0	97.7	88.2	82.1	79.4	78.1
27.5°	1379.2	961.7	319.7	135.1	114.0	98.4	85.5	76.7	71.9	69.9	68.6
30°	1455.8	965.8	244.3	122.8	103.2	86.9	74.7	67.9	63.8	61.1	61.1
32.5°	1530.5	961.1	186.6	112.7	93.7	76.7	66.5	60.4	57.0	55.0	54.3
35°	1606.5	939.3	151.4	103.8	84.2	67.2	59.0	54.3	52.3	49.5	49.5
37.5°	1689.3	910.2	131.7	95.0	74.7	60.4	52.9	49.5	46.8	44.8	44.1
40°	1792.5	876.2	120.8	87.6	65.8	54.3	47.5	44.1	42.1	40.0	39.4
42.5°	1914.7	843.0	115.4	79.4	59.0	48.2	42.8	38.7	36.7	33.9	33.3
45°	2087.7	835.5	109.3	70.6	52.9	43.4	37.3	33.3	30.5	28.5	27.8
47.5°	2366.0	856.5	99.1	61.1	46.8	38.0	31.9	28.5	25.1	23.1	21.7
50°	2642.2	851.1	88.9	52.9	41.4	32.6	27.1	23.8	20.4	18.3	17.6
52.5°	2792.9	825.3	79.4	46.8	36.0	27.8	23.1	19.0	17.0	14.9	14.3
55°	2929.3	815.1	69.9	40.7	30.5	24.4	19.0	15.6	14.3	12.2	11.5
57.5°	3196.8	838.9	61.8	35.3	26.5	21.0	16.3	12.9	11.5	9.5	8.8
60°	3476.4	841.6	52.9	30.5	23.1	17.6	12.9	10.2	8.8	6.8	6.1
62.5°	3622.3	773.1	43.4	25.8	19.0	14.9	10.9	8.1	6.8	4.1	4.1
65°	3500.1	625.1	36.7	21.0	14.9	11.5	8.1	6.1	4.1	2.0	0.7
67.5°	3097.7	444.6	30.5	17.0	10.9	8.1	6.1	4.1	0.7	0.0	0.0
70°	2268.3	253.8	23.8	12.2	8.1	5.4	4.1	2.0	0.0	0.0	0.0
72.5°	1394.1	135.7	17.6	8.1	6.1	4.1	3.4	1.4	0.0	0.0	0.0
75°	528.7	65.2	10.9	5.4	4.8	3.4	2.0	0.7	0.0	0.0	0.0
77.5°	143.2	31.9	6.1	4.1	3.4	2.0	1.4	0.0	0.0	0.0	0.0
80°	37.3	14.9	4.1	2.7	2.0	1.4	0.0	0.0	0.0	0.0	0.0
82.5°	12.9	6.8	2.0	2.0	1.4	0.7	0.0	0.0	0.0	0.0	0.0
85°	5.4	2.7	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.7	0.7	0.7	0.7	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)