

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: P632359

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7939.3 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

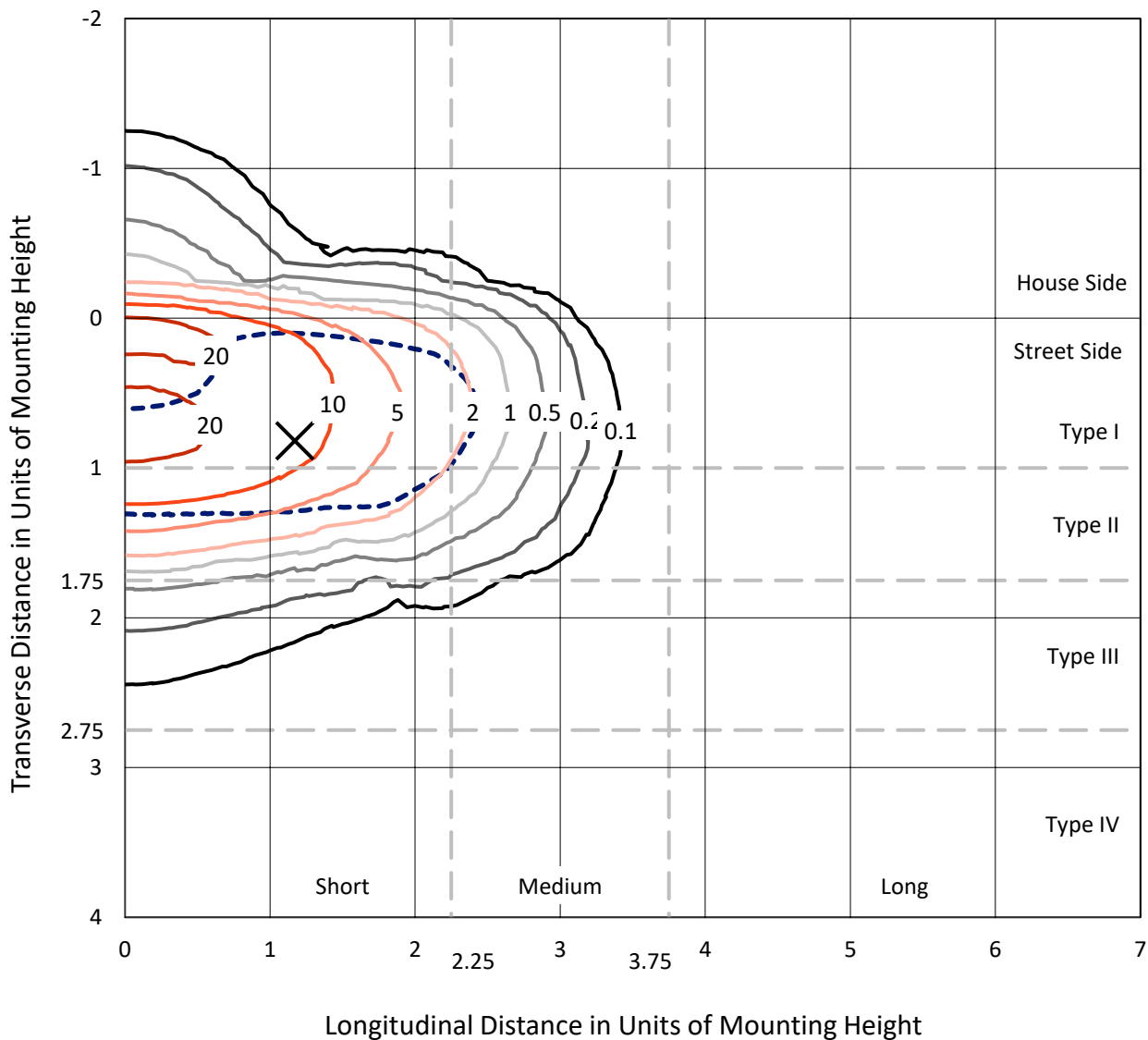
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

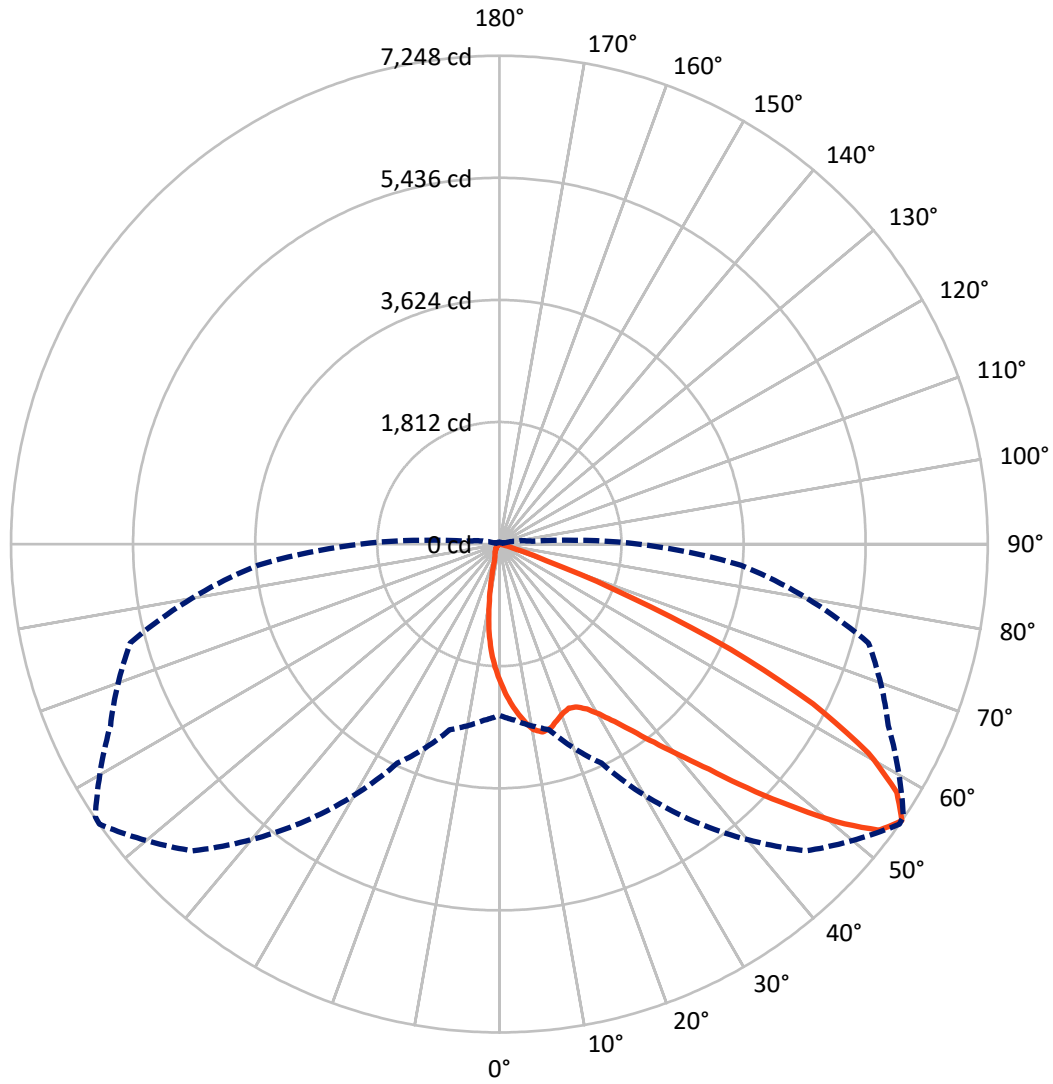
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.9	0.0	489.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	7449.4	0.0	7449.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	7939.3	0.0	7939.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	2.3
10°-20°	437.0	5.5
20°-30°	727.8	9.2
30°-40°	1240.2	15.6
40°-50°	2024.4	25.5
50°-60°	2119.5	26.7
60°-70°	1069.0	13.5
70°-80°	135.0	1.7
80°-90°	5.1	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°	7939.3	100.0
0°-180°	7939.3	100.0

Coefficient of Utilization



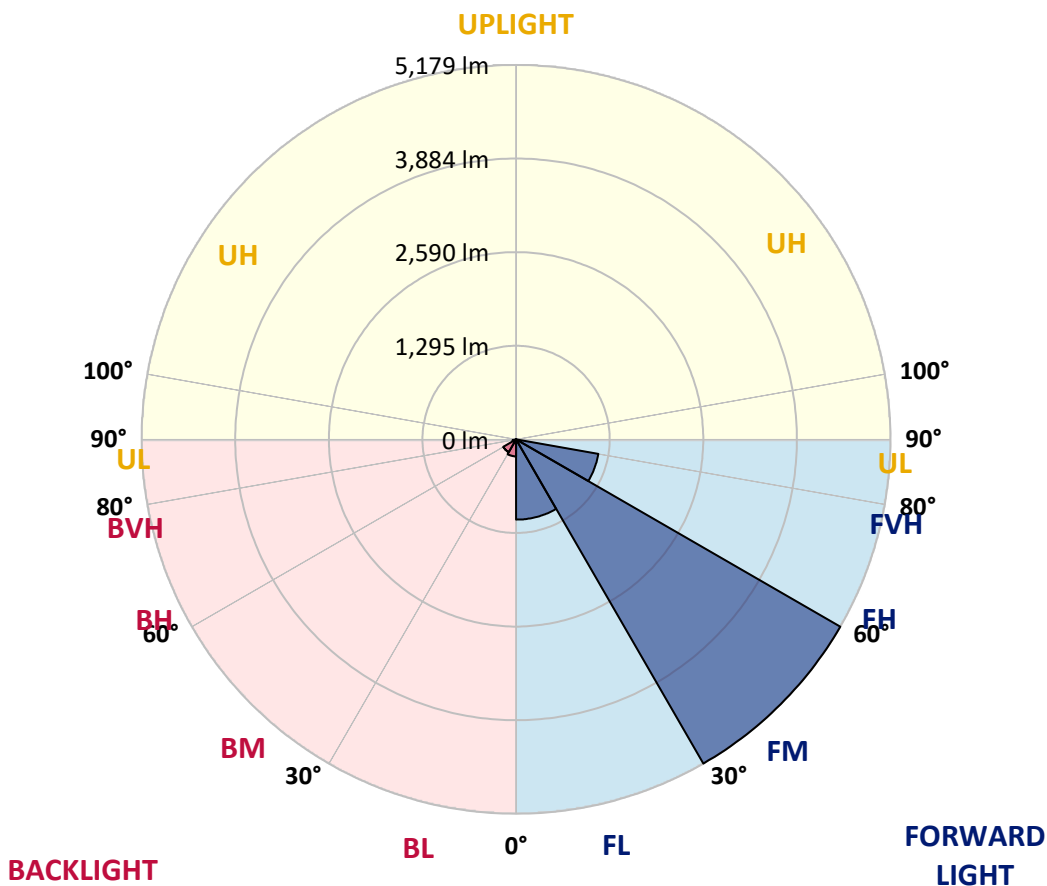
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1110.6	14.0			
FM (30°-60°)	5179.2	65.2			
FH (60°-80°)	1154.9	14.5			G1/1800
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	235.5	3.0	B1/500		
BM (30°-60°)	204.8	2.6	B0/220		
BH (60°-80°)	49.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	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°	56°	65°	75°	85°
0°	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1
2.5°	2391.1	2379.5	2397.2	2376.8	2342.2	2313.0	2275.0	2261.4	2200.4	2142.7	2087.0
5°	2681.6	2685.0	2679.5	2651.0	2602.2	2547.9	2471.2	2454.2	2347.6	2237.7	2118.9
7.5°	2753.5	2751.5	2763.0	2773.9	2765.7	2738.6	2655.1	2638.1	2505.8	2340.9	2167.8
10°	2531.6	2532.9	2556.7	2630.0	2720.9	2815.3	2802.4	2792.9	2663.2	2457.6	2222.1
12.5°	2218.0	2230.2	2255.3	2359.9	2513.9	2728.4	2861.4	2870.9	2807.8	2585.9	2285.9
15°	2082.3	2085.0	2105.3	2168.5	2283.2	2547.9	2836.3	2862.8	2928.6	2714.8	2355.1
17.5°	2078.9	2082.3	2091.1	2118.9	2193.6	2406.0	2755.5	2801.7	3019.6	2853.3	2437.9
20°	2206.5	2204.4	2198.3	2183.4	2216.0	2359.2	2680.9	2731.8	3069.1	2988.3	2521.4
22.5°	2437.9	2435.2	2408.0	2346.3	2319.8	2401.9	2644.2	2690.4	3099.0	3108.5	2589.9
25°	2704.6	2723.6	2672.7	2579.1	2513.9	2511.2	2676.8	2709.4	3124.8	3215.0	2636.8
27.5°	2997.2	3003.3	2959.8	2854.6	2760.3	2686.3	2771.2	2795.6	3153.3	3310.1	2663.2
30°	3318.2	3316.2	3266.6	3144.4	3029.7	2923.2	2930.0	2939.5	3219.8	3418.6	2692.4
32.5°	3719.3	3728.1	3639.9	3473.6	3335.8	3188.6	3137.7	3139.0	3339.9	3558.5	2736.5
35°	4264.3	4242.6	4125.9	3889.0	3654.2	3495.3	3408.5	3401.0	3525.2	3746.5	2813.2
37.5°	4783.5	4785.6	4663.4	4402.8	4106.2	3855.7	3732.9	3712.5	3785.8	4007.1	2940.8
40°	5143.9	5150.7	5099.8	4963.4	4649.1	4294.9	4114.3	4093.3	4123.8	4336.9	3107.8
42.5°	5334.6	5353.6	5367.9	5399.8	5161.6	4843.2	4565.7	4563.6	4531.7	4712.9	3301.2
45°	5342.1	5370.6	5457.5	5675.3	5702.5	5469.0	5167.0	5121.5	4998.7	5115.4	3474.3
47.5°	5046.9	5112.7	5297.3	5729.0	6014.0	6091.4	5792.1	5764.3	5419.5	5433.7	3603.9
50°	4358.7	4427.2	4767.2	5454.1	6092.7	6585.5	6478.3	6420.6	5771.0	5644.1	3666.4
52.5°	3652.8	3715.2	3946.0	4799.8	5766.3	6740.9	7056.5	6988.0	6086.6	5717.4	3640.6
55°	2541.8	2625.2	2850.6	3587.6	5014.3	6438.2	7247.9	7233.7	6368.3	5671.3	3600.5
57.5°	1246.1	1328.9	1553.6	2211.9	3714.6	5621.0	6955.4	7030.7	6536.6	5621.7	3568.0
60°	520.6	554.5	631.9	970.5	2078.2	4248.0	6295.0	6399.5	6433.5	5554.5	3564.6
62.5°	302.0	307.5	315.6	402.5	808.3	2435.2	5222.0	5370.6	5891.2	5465.6	3510.9
65°	228.0	230.1	226.7	247.0	333.9	923.7	3772.9	3975.2	4917.2	5118.1	3299.2
67.5°	187.3	187.3	178.5	182.6	209.7	346.1	2082.9	2365.3	3638.5	4206.6	2724.3
70°	149.3	152.7	148.6	143.2	150.0	191.4	741.1	919.0	2118.9	2484.1	1588.9
72.5°	113.3	113.3	120.1	116.1	111.3	120.1	258.6	290.5	850.4	1035.7	573.5
75°	87.6	90.3	95.0	90.9	84.2	71.3	124.2	131.7	256.6	240.9	128.3
77.5°	44.8	45.5	60.4	66.5	62.4	43.4	54.3	59.7	83.5	74.7	47.5
80°	27.1	28.5	33.9	52.3	41.4	23.1	22.4	23.8	39.4	33.9	19.7
82.5°	11.5	12.2	19.0	19.0	17.0	8.8	8.8	8.8	19.0	17.6	8.1
85°	0.0	0.0	3.4	2.7	2.7	3.4	3.4	3.4	4.8	6.8	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.0
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°	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1	2051.1
2.5°	2051.1	2007.6	1949.2	1896.3	1825.0	1785.0	1729.3	1683.9	1645.2	1633.0	1627.5
5°	2051.7	1977.1	1852.2	1727.3	1573.9	1453.1	1328.9	1230.5	1149.7	1123.9	1117.2
7.5°	2065.3	1955.4	1753.1	1526.4	1269.9	1058.1	868.7	699.1	620.3	593.9	588.4
10°	2083.6	1937.0	1638.4	1285.5	916.9	644.8	456.8	348.2	296.6	268.1	272.2
12.5°	2107.4	1922.1	1511.5	1024.8	606.8	354.3	251.1	210.4	199.5	194.1	191.4
15°	2139.3	1904.4	1354.0	766.3	371.9	228.0	193.4	182.6	178.5	175.8	175.1
17.5°	2171.9	1884.1	1193.8	538.9	247.0	189.4	173.7	168.3	165.6	163.6	162.9
20°	2206.5	1849.5	1005.8	371.3	194.8	170.4	160.2	154.1	150.7	147.3	146.6
22.5°	2221.4	1793.8	826.0	259.9	173.1	156.8	143.9	136.4	132.3	129.6	129.6
25°	2207.2	1703.6	640.0	197.5	157.5	141.8	129.0	120.8	117.4	114.7	114.7
27.5°	2169.1	1587.5	466.9	163.6	140.5	126.2	114.0	106.6	103.8	102.5	102.5
30°	2127.1	1440.9	329.2	140.5	121.5	110.0	99.8	95.0	94.3	93.0	93.0
32.5°	2091.1	1303.8	226.7	123.5	107.2	95.7	88.9	86.9	87.6	86.2	86.9
35°	2071.4	1169.4	168.3	110.0	95.7	84.8	81.4	81.4	81.4	80.8	80.8
37.5°	2079.6	1037.1	137.1	100.4	85.5	77.4	74.0	75.3	76.7	76.7	76.7
40°	2120.3	919.6	121.5	91.6	76.7	70.6	67.9	69.9	71.9	73.3	73.3
42.5°	2171.9	824.6	110.0	84.2	70.6	63.8	62.4	64.5	66.5	67.9	67.9
45°	2204.4	728.9	98.4	74.7	64.5	56.3	56.3	59.0	58.4	59.0	59.0
47.5°	2219.4	652.9	86.9	64.5	55.0	48.9	49.5	50.9	49.5	50.9	50.9
50°	2182.7	576.2	76.7	53.6	45.5	42.8	44.1	43.4	43.4	46.2	46.2
52.5°	2115.5	519.2	67.9	45.5	38.7	38.0	39.4	36.7	37.3	37.3	36.7
55°	2066.0	486.6	60.4	39.4	33.3	33.9	33.3	28.5	25.8	23.1	22.4
57.5°	2041.5	473.7	55.0	35.3	29.9	29.9	27.1	19.7	14.9	11.5	10.2
60°	2036.1	458.1	49.5	30.5	26.5	25.1	19.7	11.5	7.5	5.4	4.8
62.5°	1984.5	420.1	44.8	24.4	23.1	20.4	12.2	6.8	4.1	2.7	2.0
65°	1815.5	345.5	40.0	19.0	17.6	14.9	7.5	4.1	2.0	0.7	0.0
67.5°	1444.3	245.0	35.3	14.3	12.2	9.5	4.8	2.7	0.7	0.0	0.0
70°	832.8	132.3	29.2	10.2	8.1	6.1	3.4	1.4	0.0	0.0	0.0
72.5°	278.3	61.8	22.4	6.8	6.1	4.8	2.0	0.7	0.0	0.0	0.0
75°	61.1	36.7	14.9	4.8	4.1	3.4	1.4	0.0	0.0	0.0	0.0
77.5°	23.1	25.8	7.5	3.4	2.7	2.0	0.7	0.0	0.0	0.0	0.0
80°	8.8	17.0	3.4	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	4.8	6.8	2.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	3.4	1.4	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.7	0.7	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)