

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: P632414

Luminaire Tested: GWS-SA2C-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632414
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7830.5 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

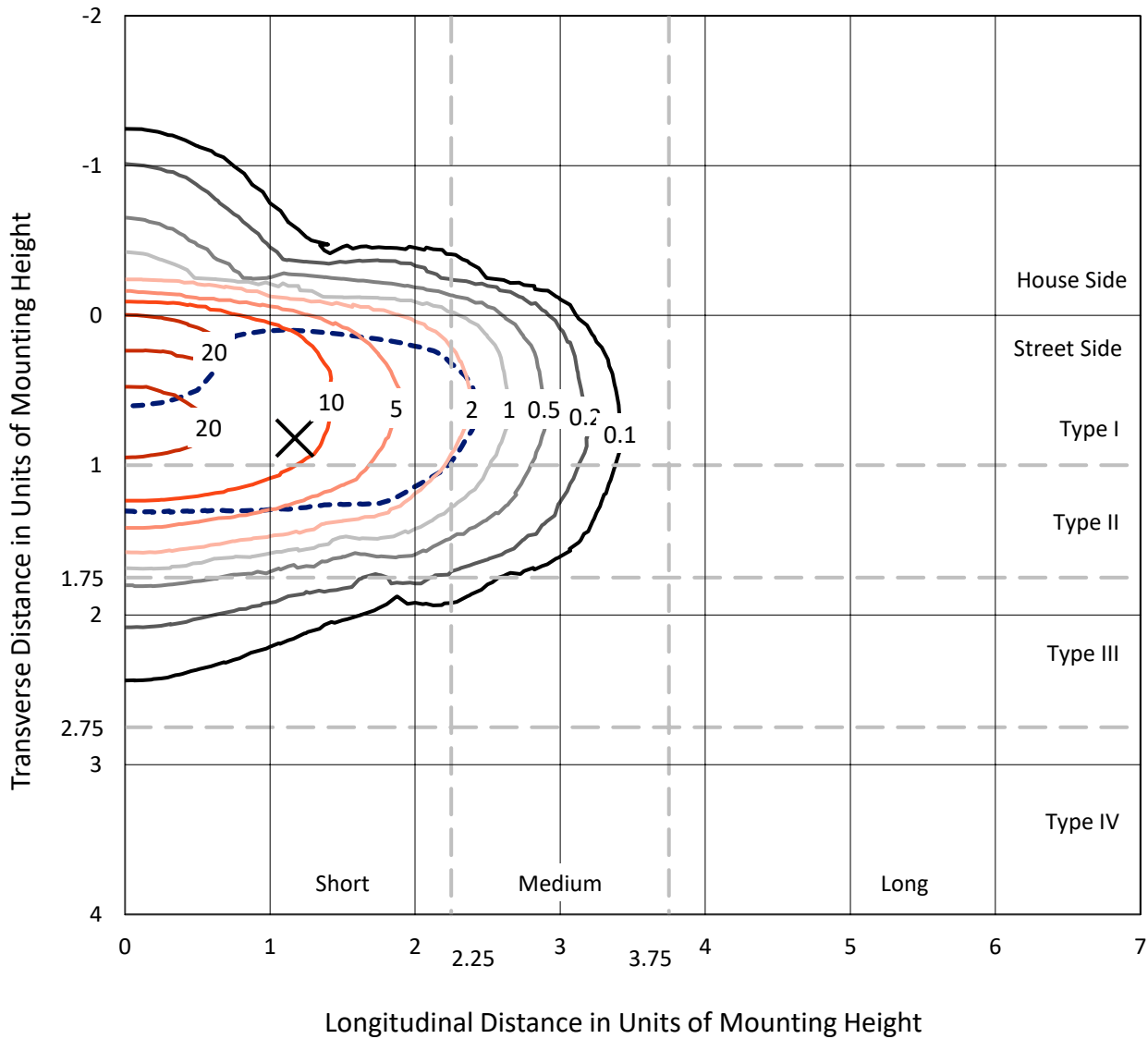
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

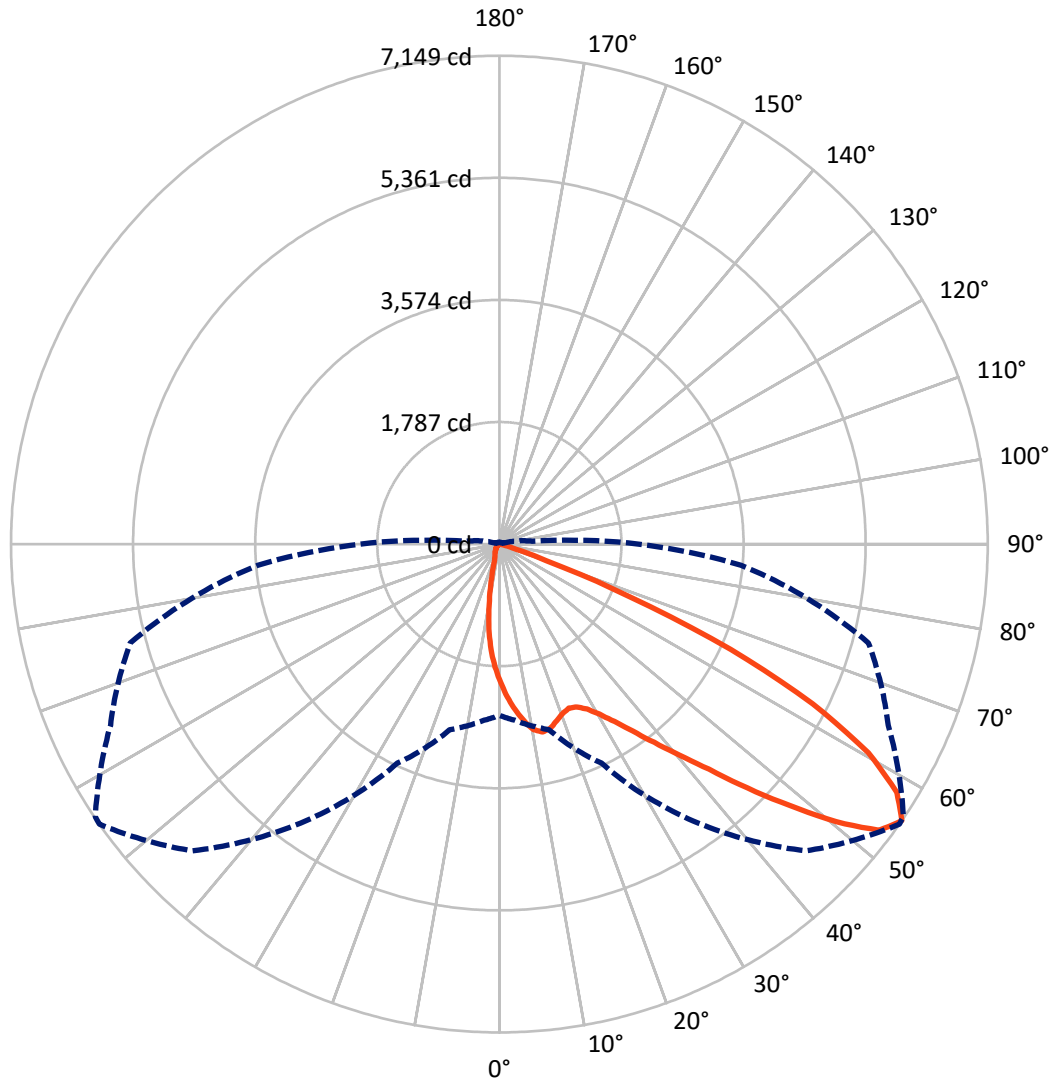
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.5 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	483.2	0.0	483.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	7347.3	0.0	7347.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	7830.5	0.0	7830.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	2.3
10°-20°	431.0	5.5
20°-30°	717.8	9.2
30°-40°	1223.2	15.6
40°-50°	1996.7	25.5
50°-60°	2090.4	26.7
60°-70°	1054.4	13.5
70°-80°	133.2	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°	7830.5	100.0
0°-180°	7830.5	100.0

Coefficient of Utilization



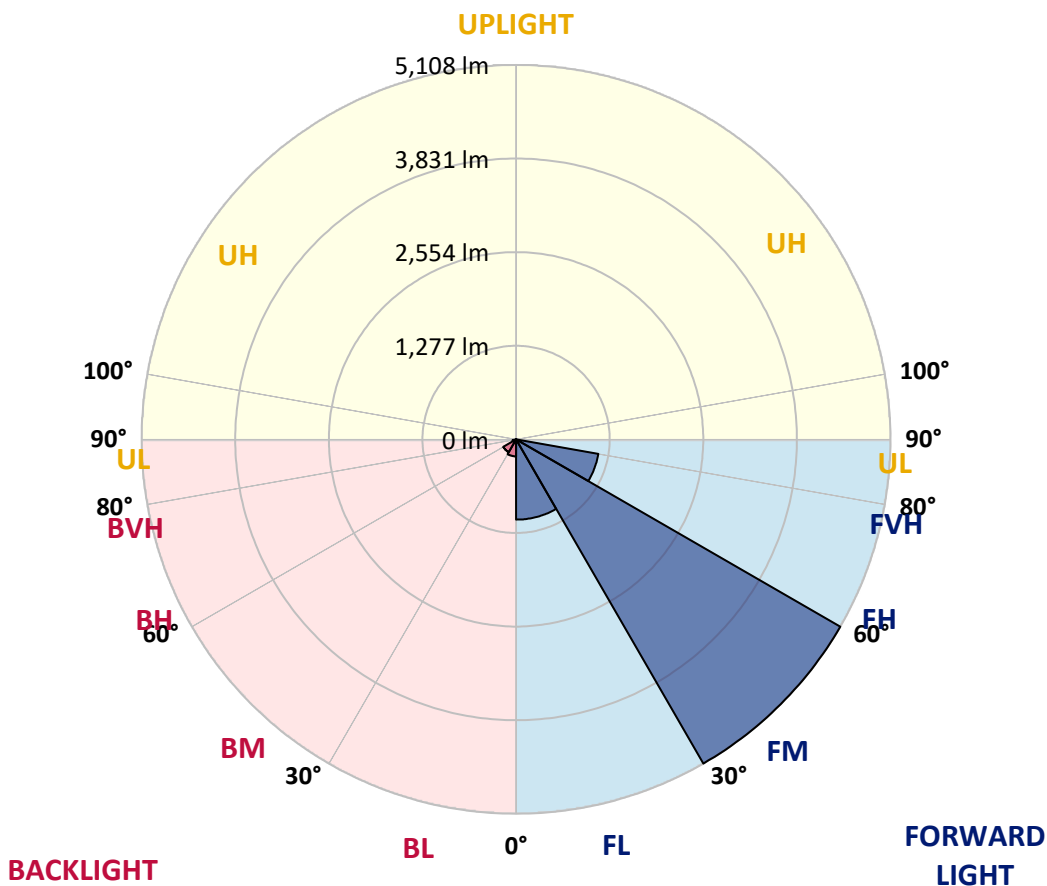
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1095.4	14.0			
FM (30°-60°)	5108.3	65.2			
FH (60°-80°)	1139.1	14.5			G1/1800
FVH (80°-90°)	4.6	0.1			G0/10
BL (0°-30°)	232.2	3.0	B1/500		
BM (30°-60°)	202.0	2.6	B0/220		
BH (60°-80°)	48.5	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°	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9
2.5°	2358.3	2346.9	2364.3	2344.3	2310.1	2281.3	2243.8	2230.5	2170.2	2113.3	2058.4
5°	2644.8	2648.2	2642.8	2614.7	2566.5	2512.9	2437.3	2420.6	2315.5	2207.0	2089.9
7.5°	2715.8	2713.8	2725.1	2735.9	2727.8	2701.1	2618.7	2602.0	2471.4	2308.8	2138.1
10°	2496.9	2498.2	2521.6	2593.9	2683.6	2776.7	2764.0	2754.6	2626.7	2423.9	2191.6
12.5°	2187.6	2199.7	2224.4	2327.5	2479.5	2691.0	2822.2	2831.6	2769.3	2550.4	2254.6
15°	2053.7	2056.4	2076.5	2138.7	2251.9	2512.9	2797.4	2823.6	2888.5	2677.6	2322.8
17.5°	2050.4	2053.7	2062.4	2089.9	2163.5	2373.0	2717.8	2763.3	2978.2	2814.2	2404.5
20°	2176.2	2174.2	2168.2	2153.5	2185.6	2326.9	2644.2	2694.4	3027.1	2947.4	2486.8
22.5°	2404.5	2401.8	2375.0	2314.1	2288.0	2369.0	2608.0	2653.5	3056.5	3065.9	2554.5
25°	2667.6	2686.3	2636.1	2543.7	2479.5	2476.8	2640.1	2672.3	3081.9	3171.0	2600.6
27.5°	2956.1	2962.1	2919.3	2815.5	2722.5	2649.5	2733.2	2757.3	3110.1	3264.7	2626.7
30°	3272.7	3270.7	3221.8	3101.4	2988.2	2883.1	2889.8	2899.2	3175.7	3371.8	2655.5
32.5°	3668.3	3677.0	3590.0	3426.0	3290.1	3144.9	3094.7	3096.0	3294.1	3509.7	2699.0
35°	4205.9	4184.5	4069.3	3835.7	3604.1	3447.4	3361.8	3354.4	3476.9	3695.1	2774.7
37.5°	4718.0	4720.0	4599.5	4342.4	4049.9	3802.9	3681.7	3661.6	3733.9	3952.2	2900.5
40°	5073.4	5080.1	5029.9	4895.4	4585.4	4236.0	4057.9	4037.2	4067.3	4277.5	3065.2
42.5°	5261.5	5280.3	5294.3	5325.8	5090.8	4776.9	4503.1	4501.1	4469.6	4648.3	3256.0
45°	5268.9	5297.0	5382.7	5597.6	5624.3	5394.1	5096.2	5051.3	4930.2	5045.3	3426.7
47.5°	4977.7	5042.6	5224.7	5650.4	5931.6	6007.9	5712.7	5685.3	5345.2	5359.3	3554.5
50°	4298.9	4366.5	4701.9	5379.3	6009.3	6495.2	6389.5	6332.6	5692.0	5566.8	3616.1
52.5°	3602.7	3664.3	3891.9	4734.0	5687.3	6648.5	6959.8	6892.2	6003.2	5639.1	3590.7
55°	2506.9	2589.3	2811.5	3538.5	4945.6	6350.0	7148.6	7134.5	6281.0	5593.5	3551.2
57.5°	1229.0	1310.7	1532.3	2181.6	3663.7	5544.0	6860.1	6934.4	6447.0	5544.7	3519.1
60°	513.4	546.9	623.2	957.2	2049.7	4189.8	6208.7	6311.8	6345.3	5478.4	3515.7
62.5°	297.9	303.2	311.3	397.0	797.3	2401.8	5150.4	5297.0	5810.4	5390.7	3462.8
65°	224.9	226.9	223.6	243.7	329.3	911.1	3721.2	3920.7	4849.8	5048.0	3254.0
67.5°	184.8	184.8	176.1	180.1	206.8	341.4	2054.4	2332.9	3588.7	4149.0	2687.0
70°	147.3	150.6	146.6	141.2	147.9	188.8	731.0	906.4	2089.9	2450.0	1567.1
72.5°	111.8	111.8	118.5	114.5	109.8	118.5	255.0	286.5	838.8	1021.5	565.6
75°	86.4	89.0	93.7	89.7	83.0	70.3	122.5	129.9	253.0	237.6	126.5
77.5°	44.2	44.9	59.6	65.6	61.6	42.8	53.6	58.9	82.3	73.6	46.9
80°	26.8	28.1	33.5	51.5	40.8	22.8	22.1	23.4	38.8	33.5	19.4
82.5°	11.4	12.0	18.7	18.7	16.7	8.7	8.7	8.7	18.7	17.4	8.0
85°	0.0	0.0	3.3	2.7	2.7	3.3	3.3	3.3	4.7	6.7	4.0
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°	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9	2022.9
2.5°	2022.9	1980.1	1922.5	1870.3	1800.0	1760.5	1705.6	1660.8	1622.6	1610.6	1605.2
5°	2023.6	1950.0	1826.8	1703.6	1552.4	1433.2	1310.7	1213.6	1134.0	1108.5	1101.8
7.5°	2037.0	1928.6	1729.1	1505.5	1252.5	1043.6	856.8	689.5	611.8	585.7	580.4
10°	2055.1	1910.5	1615.9	1267.9	904.4	635.9	450.5	343.4	292.5	264.4	268.4
12.5°	2078.5	1895.8	1490.8	1010.8	598.4	349.4	247.7	207.5	196.8	191.4	188.8
15°	2110.0	1878.4	1335.5	755.8	366.8	224.9	190.8	180.1	176.1	173.4	172.7
17.5°	2142.1	1858.3	1177.5	531.5	243.7	186.8	171.4	166.0	163.3	161.3	160.7
20°	2176.2	1824.1	992.1	366.2	192.1	168.0	158.0	152.0	148.6	145.3	144.6
22.5°	2191.0	1769.2	814.7	256.4	170.7	154.6	141.9	134.6	130.5	127.9	127.9
25°	2176.9	1680.2	631.2	194.8	155.3	139.9	127.2	119.2	115.8	113.1	113.1
27.5°	2139.4	1565.7	460.6	161.3	138.6	124.5	112.5	105.1	102.4	101.1	101.1
30°	2097.9	1421.1	324.7	138.6	119.8	108.4	98.4	93.7	93.0	91.7	91.7
32.5°	2062.4	1285.9	223.6	121.8	105.8	94.4	87.7	85.7	86.4	85.0	85.7
35°	2043.0	1153.4	166.0	108.4	94.4	83.7	80.3	80.3	80.3	79.7	79.7
37.5°	2051.1	1022.9	135.2	99.1	84.3	76.3	73.0	74.3	75.6	75.6	75.6
40°	2091.2	907.0	119.8	90.4	75.6	69.6	66.9	68.9	71.0	72.3	72.3
42.5°	2142.1	813.3	108.4	83.0	69.6	62.9	61.6	63.6	65.6	66.9	66.9
45°	2174.2	718.9	97.1	73.6	63.6	55.6	55.6	58.2	57.6	58.2	58.2
47.5°	2189.0	644.0	85.7	63.6	54.2	48.2	48.9	50.2	48.9	50.2	50.2
50°	2152.8	568.3	75.6	52.9	44.9	42.2	43.5	42.8	42.8	45.5	45.5
52.5°	2086.5	512.1	66.9	44.9	38.2	37.5	38.8	36.1	36.8	36.8	36.1
55°	2037.7	480.0	59.6	38.8	32.8	33.5	32.8	28.1	25.4	22.8	22.1
57.5°	2013.6	467.2	54.2	34.8	29.5	29.5	26.8	19.4	14.7	11.4	10.0
60°	2008.2	451.8	48.9	30.1	26.1	24.8	19.4	11.4	7.4	5.4	4.7
62.5°	1957.3	414.4	44.2	24.1	22.8	20.1	12.0	6.7	4.0	2.7	2.0
65°	1790.7	340.7	39.5	18.7	17.4	14.7	7.4	4.0	2.0	0.7	0.0
67.5°	1424.5	241.7	34.8	14.1	12.0	9.4	4.7	2.7	0.7	0.0	0.0
70°	821.4	130.5	28.8	10.0	8.0	6.0	3.3	1.3	0.0	0.0	0.0
72.5°	274.5	60.9	22.1	6.7	6.0	4.7	2.0	0.7	0.0	0.0	0.0
75°	60.2	36.1	14.7	4.7	4.0	3.3	1.3	0.0	0.0	0.0	0.0
77.5°	22.8	25.4	7.4	3.3	2.7	2.0	0.7	0.0	0.0	0.0	0.0
80°	8.7	16.7	3.3	2.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	4.7	6.7	2.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.7	3.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	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)