

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: P636376

Luminaire Tested: GWS-SA3F-760-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15988 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

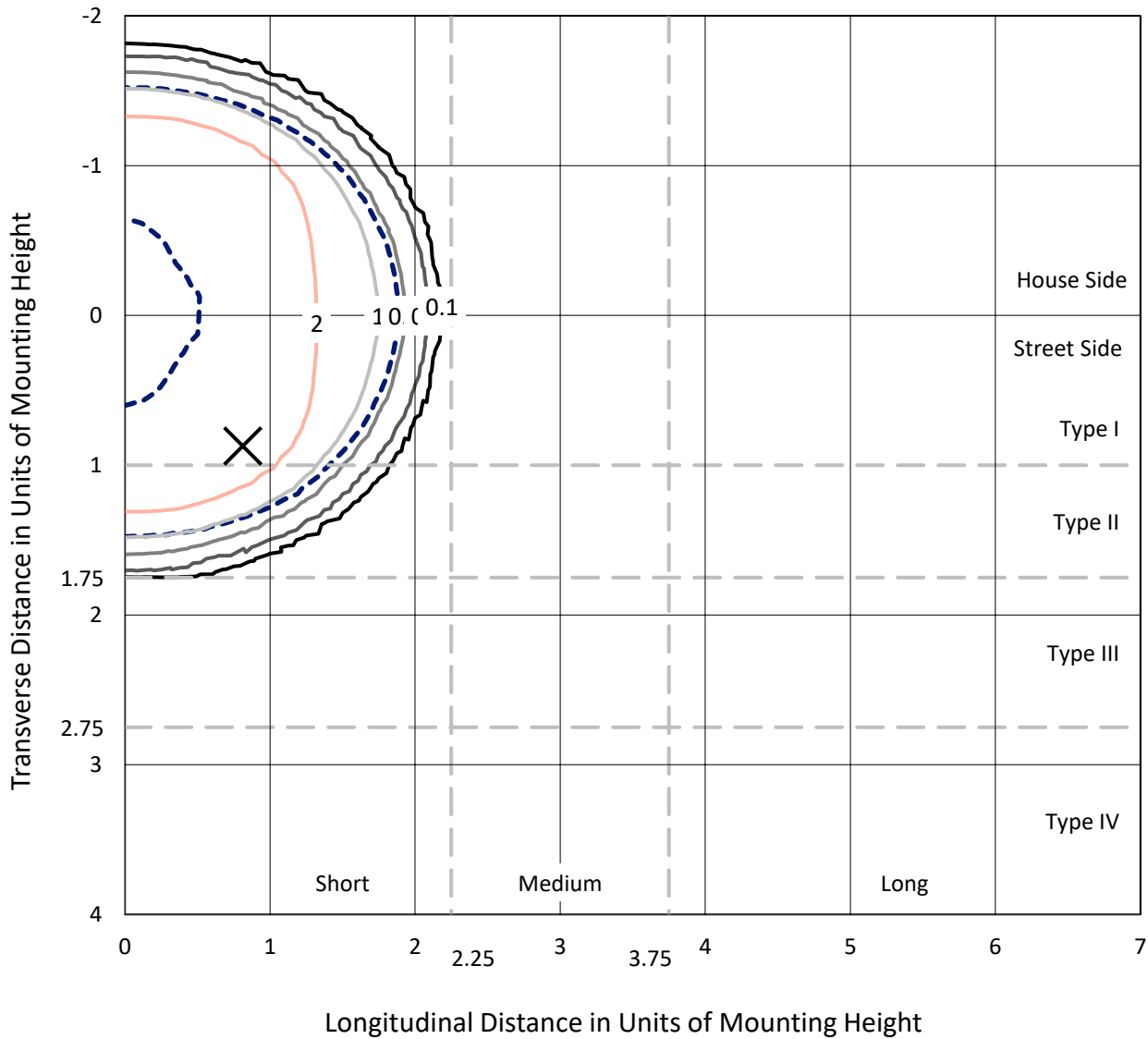
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

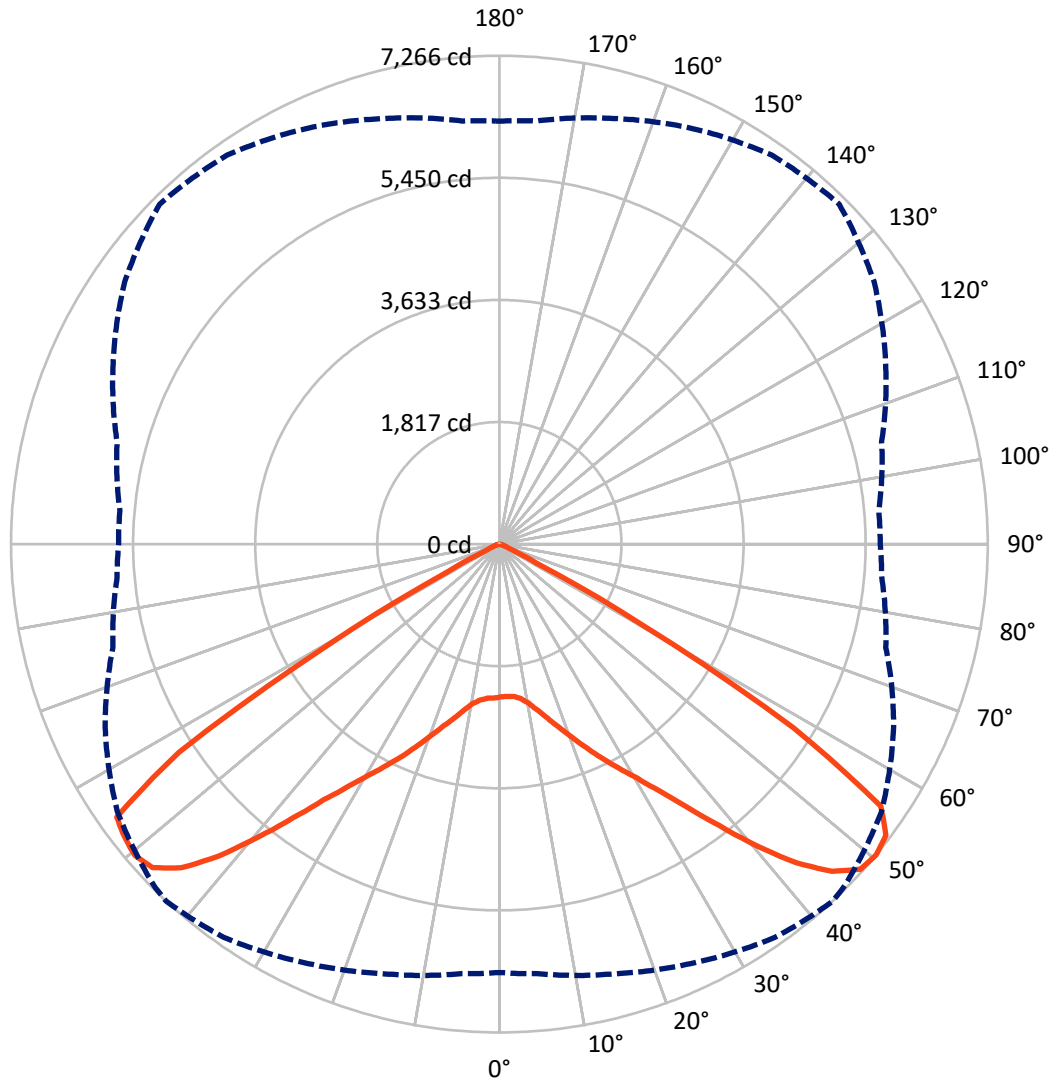
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7993.8	0.0	7993.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7994.2	0.0	7994.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	15988.0	0.0	15988.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.4
10°-20°	770.6	4.8
20°-30°	1559.1	9.8
30°-40°	2892.7	18.1
40°-50°	4801.8	30.0
50°-60°	4900.4	30.7
60°-70°	803.6	5.0
70°-80°	35.2	0.2
80°-90°	0.5	0.0
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°	15988.0	100.0
0°-180°	15988.0	100.0

Coefficient of Utilization



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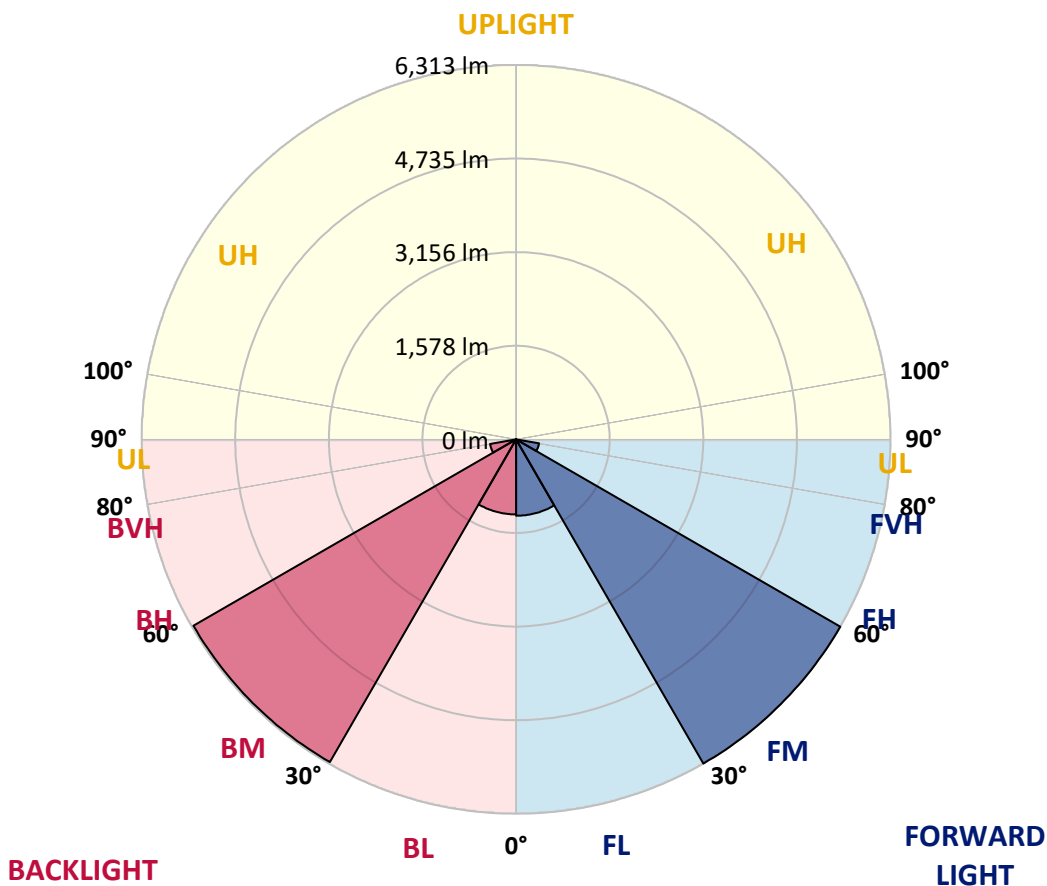
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1288.1	8.1			
FM (30°-60°)	6312.8	39.5			
FH (60°-80°)	393.1	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1265.7	7.9	B3/2500		
BM (30°-60°)	6282.2	39.3	B4/8500		
BH (60°-80°)	445.7	2.8	B1/500		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0
2.5°	2231.6	2236.9	2244.0	2251.1	2259.9	2268.7	2274.0	2290.0	2286.4	2300.6	2300.6
5°	2206.8	2212.1	2221.0	2236.9	2256.4	2275.8	2290.0	2321.8	2339.5	2367.8	2378.4
7.5°	2219.2	2226.3	2236.9	2261.7	2291.7	2321.8	2337.7	2389.0	2424.3	2477.4	2507.5
10°	2259.9	2267.0	2284.6	2327.1	2366.0	2408.4	2427.9	2493.3	2549.9	2622.4	2664.8
12.5°	2305.9	2314.7	2350.1	2413.7	2480.9	2537.5	2564.0	2636.5	2694.9	2776.2	2843.4
15°	2353.6	2367.8	2422.6	2516.3	2611.8	2687.8	2716.1	2793.9	2852.3	2938.9	3015.0
17.5°	2465.0	2480.9	2542.8	2643.6	2774.5	2862.9	2887.6	2969.0	3013.2	3071.5	3151.1
20°	2604.7	2634.8	2710.8	2832.8	2976.1	3060.9	3078.6	3158.2	3154.7	3179.4	3248.4
22.5°	2778.0	2799.2	2882.3	3027.3	3188.3	3282.0	3322.6	3356.2	3312.0	3290.8	3335.0
25°	2958.4	2983.1	3073.3	3232.5	3412.8	3520.7	3554.3	3580.8	3510.1	3430.5	3435.8
27.5°	3191.8	3209.5	3297.9	3467.6	3648.0	3770.0	3800.1	3846.1	3752.3	3625.0	3589.7
30°	3469.4	3487.1	3580.8	3759.4	3938.0	4042.3	4088.3	4144.9	4042.3	3883.2	3842.5
32.5°	3794.8	3812.5	3932.7	4116.6	4263.4	4376.6	4420.8	4480.9	4399.5	4220.9	4175.0
35°	4183.8	4194.4	4335.9	4535.7	4691.3	4800.9	4831.0	4901.7	4811.6	4633.0	4608.2
37.5°	4634.7	4647.1	4800.9	5032.6	5191.7	5313.8	5361.5	5381.0	5271.3	5071.5	5052.0
40°	5129.9	5170.5	5320.8	5570.2	5748.8	5902.6	5945.0	5879.6	5725.8	5453.5	5418.1
42.5°	5646.2	5681.6	5849.6	6120.1	6327.0	6484.4	6486.1	6344.7	6083.0	5706.3	5653.3
45°	6075.9	6090.0	6307.5	6579.9	6834.5	6945.9	6956.5	6700.1	6305.8	5853.1	5739.9
47.5°	6371.2	6394.2	6583.4	6845.1	7126.3	7227.1	7205.8	6885.8	6411.9	5948.6	5761.1
50°	6374.7	6413.6	6618.8	6871.6	7144.0	7266.0	7235.9	6938.8	6472.0	5952.1	5709.9
52.5°	5810.6	5874.3	6208.5	6574.6	6991.9	7200.5	7207.6	7007.8	6449.0	5895.5	5663.9
55°	4383.6	4452.6	4873.4	5497.7	6304.0	6885.8	6986.6	6926.5	6422.5	5920.3	5745.2
57.5°	2320.0	2267.0	2500.4	3119.3	4132.5	5161.7	5457.0	5938.0	6127.2	5950.3	5895.5
60°	505.7	539.3	717.9	967.3	1612.7	2427.9	2716.1	3540.1	4519.8	4954.8	5269.5
62.5°	217.5	214.0	222.8	252.9	369.6	615.4	751.5	1227.2	1936.3	2659.5	3149.4
65°	178.6	180.4	187.4	187.4	175.1	176.8	185.7	281.2	452.7	634.8	852.3
67.5°	134.4	136.2	148.5	152.1	143.2	127.3	125.5	106.1	111.4	139.7	145.0
70°	84.9	84.9	92.0	95.5	95.5	88.4	86.6	76.0	74.3	84.9	95.5
72.5°	46.0	46.0	49.5	51.3	49.5	47.7	47.7	46.0	44.2	51.3	65.4
75°	19.5	19.5	21.2	21.2	19.5	19.5	19.5	19.5	19.5	23.0	35.4
77.5°	3.5	5.3	7.1	5.3	3.5	3.5	3.5	5.3	5.3	7.1	10.6
80°	1.8	1.8	3.5	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0	2274.0
2.5°	2312.9	2293.5	2300.6	2304.1	2298.8	2295.3	2275.8	2270.5	2261.7	2247.5	2244.0
5°	2390.7	2374.8	2373.1	2362.5	2337.7	2307.6	2270.5	2254.6	2236.9	2219.2	2215.7
7.5°	2521.6	2502.2	2489.8	2454.4	2397.8	2350.1	2288.2	2254.6	2231.6	2208.6	2203.3
10°	2689.6	2666.6	2631.2	2565.8	2489.8	2420.8	2348.3	2304.1	2268.7	2236.9	2235.1
12.5°	2868.2	2843.4	2779.8	2696.7	2604.7	2541.1	2449.1	2387.2	2334.2	2286.4	2281.1
15°	3055.6	3025.6	2938.9	2839.9	2755.0	2689.6	2588.8	2489.8	2408.4	2339.5	2332.4
17.5°	3198.9	3161.7	3059.2	2984.9	2915.9	2848.7	2735.6	2604.7	2496.8	2413.7	2394.3
20°	3289.0	3253.7	3156.4	3115.8	3083.9	3036.2	2901.8	2765.6	2645.4	2542.8	2525.1
22.5°	3375.7	3333.3	3248.4	3248.4	3273.1	3253.7	3108.7	2953.1	2811.6	2693.1	2666.6
25°	3473.0	3439.4	3379.2	3428.7	3490.6	3488.9	3340.3	3145.8	2983.1	2850.5	2824.0
27.5°	3614.4	3580.8	3559.6	3653.3	3731.1	3725.8	3563.1	3352.7	3181.2	3050.3	3025.6
30°	3863.7	3831.9	3808.9	3922.1	4021.1	3984.0	3805.4	3602.0	3428.7	3280.2	3262.5
32.5°	4196.2	4162.6	4132.5	4245.7	4334.1	4286.4	4116.6	3925.6	3725.8	3580.8	3545.5
35°	4633.0	4562.2	4532.2	4666.6	4703.7	4650.6	4488.0	4320.0	4107.8	3941.6	3918.6
37.5°	5083.9	5000.8	4979.5	5096.3	5156.4	5136.9	4945.9	4770.9	4541.0	4357.1	4330.6
40°	5469.4	5393.3	5356.2	5538.3	5674.5	5686.9	5515.3	5301.4	5030.8	4839.9	4792.1
42.5°	5695.7	5630.3	5621.4	5904.4	6127.2	6286.3	6081.2	5860.2	5575.5	5359.7	5320.8
45°	5747.0	5704.6	5778.8	6150.2	6496.8	6786.8	6611.7	6378.3	6070.6	5842.5	5805.3
47.5°	5741.7	5727.5	5860.2	6277.5	6716.0	7073.2	6986.6	6723.1	6426.0	6187.3	6151.9
50°	5665.6	5667.4	5888.5	6341.1	6804.4	7151.0	7064.4	6820.4	6555.1	6319.9	6291.6
52.5°	5635.6	5625.0	5835.4	6321.7	6894.6	7115.7	6921.1	6647.1	6351.8	6061.7	6019.3
55°	5741.7	5715.2	5842.5	6305.8	6905.2	7096.2	6583.4	5989.2	5384.5	5041.4	5013.1
57.5°	5900.8	5872.5	5932.7	6189.1	6351.8	5900.8	4845.2	3886.7	3264.3	3000.8	2885.9
60°	5269.5	5250.1	5204.1	4894.7	4198.0	3167.0	2157.3	1375.7	988.5	799.3	799.3
62.5°	3269.6	3243.1	2993.7	2224.5	1616.2	935.4	514.6	321.8	244.0	228.1	226.3
65°	917.8	912.4	755.1	534.0	339.5	210.4	185.7	189.2	185.7	180.4	178.6
67.5°	137.9	152.1	152.1	123.8	118.5	132.6	155.6	166.2	157.4	148.5	145.0
70°	88.4	95.5	92.0	79.6	84.9	99.0	111.4	113.2	107.9	99.0	97.3
72.5°	61.9	69.0	56.6	51.3	53.0	58.4	63.7	63.7	61.9	58.4	54.8
75°	37.1	37.1	26.5	24.8	24.8	26.5	26.5	30.1	30.1	28.3	26.5
77.5°	12.4	14.1	8.8	7.1	7.1	7.1	8.8	10.6	10.6	8.8	7.1
80°	1.8	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	1.8
82.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	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)