

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: P642481

Luminaire Tested: GWS-SA6D-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642481
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-SA6D-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17101.4 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

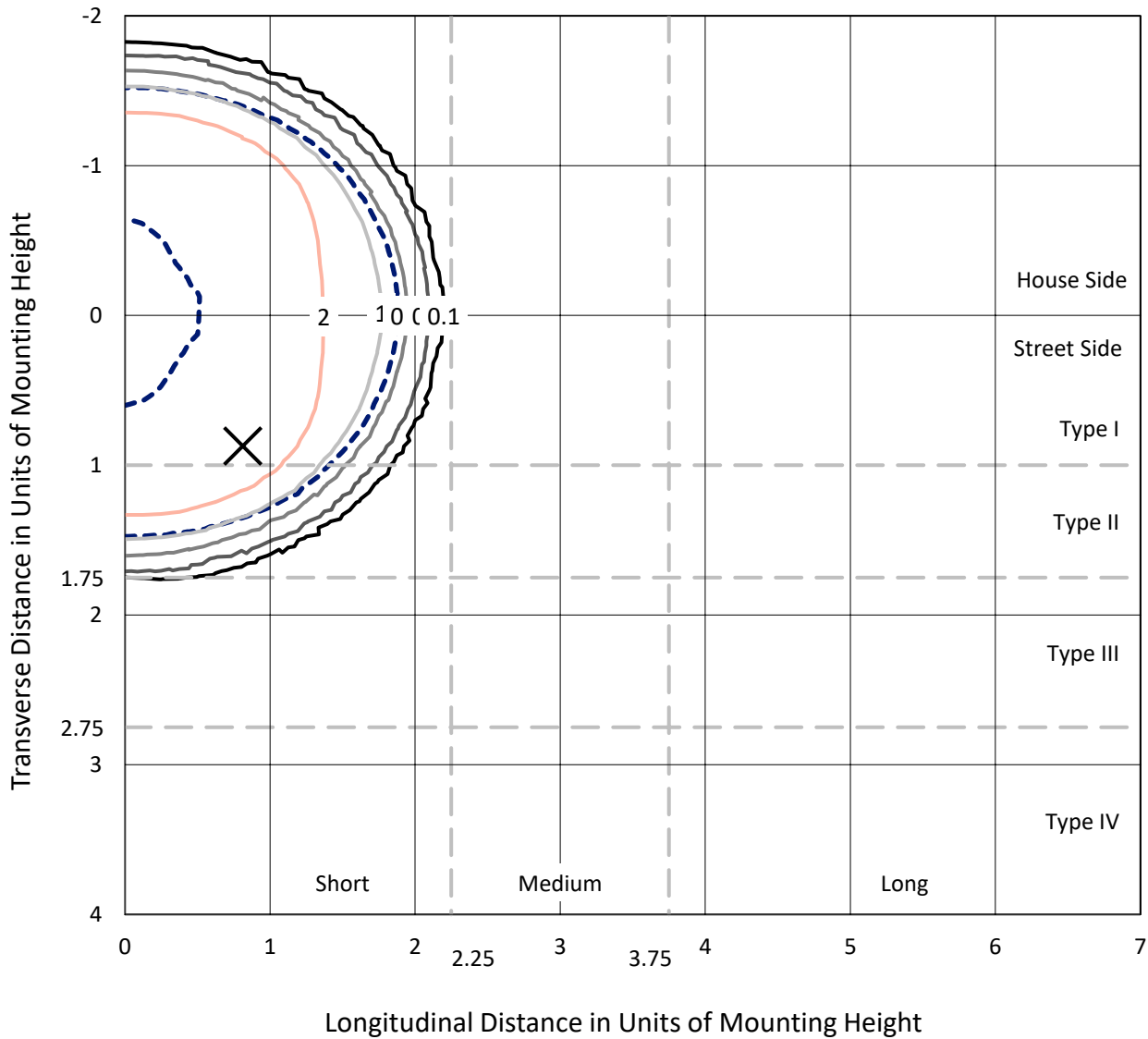
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

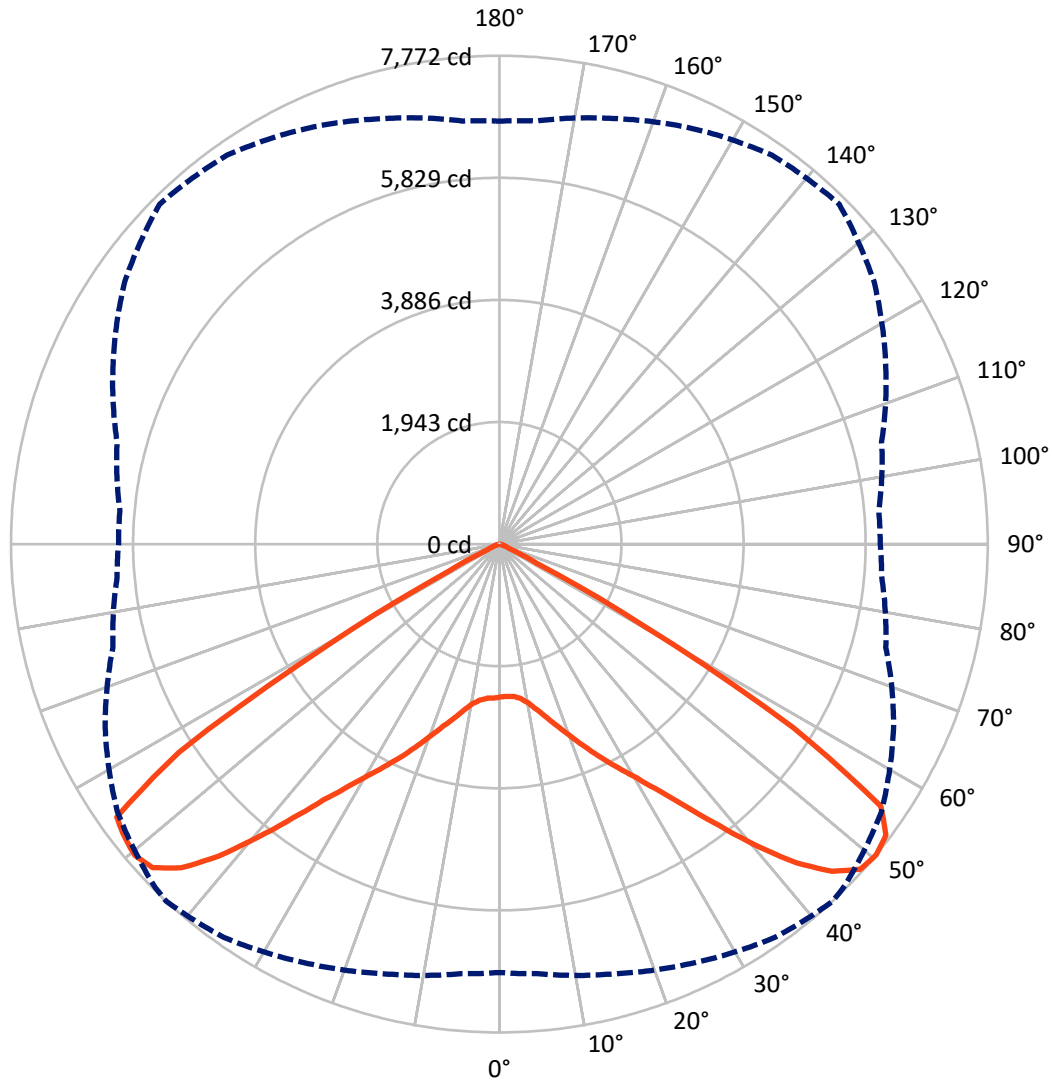
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	8550.5	0.0	8550.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8550.9	0.0	8550.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	17101.4	0.0	17101.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.5	1.4
10°-20°	824.3	4.8
20°-30°	1667.7	9.8
30°-40°	3094.2	18.1
40°-50°	5136.2	30.0
50°-60°	5241.7	30.7
60°-70°	859.6	5.0
70°-80°	37.6	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°	17101.4	100.0
0°-180°	17101.4	100.0

Coefficient of Utilization

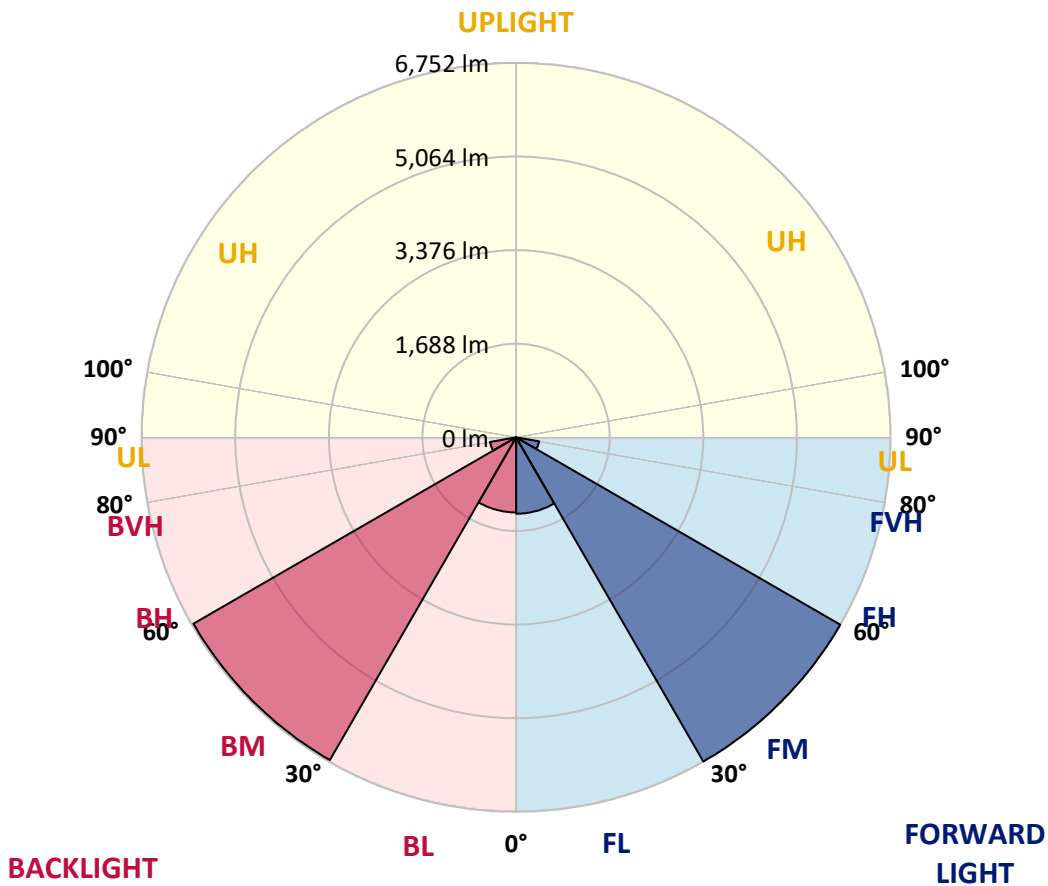


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1377.8	8.1			
FM (30°-60°)	6752.5	39.5			
FH (60°-80°)	420.5	2.5			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	1353.8	7.9	B3/2500		
BM (30°-60°)	6719.6	39.3	B4/8500		
BH (60°-80°)	476.7	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°	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4
2.5°	2387.0	2392.7	2400.2	2407.8	2417.3	2426.7	2432.4	2449.4	2445.6	2460.8	2460.8
5°	2360.5	2366.2	2375.7	2392.7	2413.5	2434.3	2449.4	2483.5	2502.4	2532.7	2544.0
7.5°	2373.8	2381.3	2392.7	2419.2	2451.3	2483.5	2500.5	2555.3	2593.2	2649.9	2682.1
10°	2417.3	2424.8	2443.8	2489.1	2530.8	2576.2	2597.0	2666.9	2727.5	2805.0	2850.4
12.5°	2466.4	2475.9	2513.7	2581.8	2653.7	2714.2	2742.6	2820.2	2882.6	2969.6	3041.5
15°	2517.5	2532.7	2591.3	2691.5	2793.7	2875.0	2905.3	2988.5	3050.9	3143.6	3224.9
17.5°	2636.7	2653.7	2719.9	2827.7	2967.7	3062.3	3088.7	3175.7	3223.0	3285.4	3370.6
20°	2786.1	2818.3	2899.6	3030.1	3183.3	3274.1	3293.0	3378.1	3374.3	3400.8	3474.6
22.5°	2971.5	2994.2	3083.1	3238.2	3410.3	3510.5	3554.0	3590.0	3542.7	3520.0	3567.3
25°	3164.4	3190.9	3287.3	3457.6	3650.5	3765.9	3801.8	3830.2	3754.5	3669.4	3675.1
27.5°	3414.1	3433.0	3527.6	3709.1	3902.1	4032.6	4064.7	4113.9	4013.7	3877.5	3839.6
30°	3711.0	3729.9	3830.2	4021.2	4212.3	4323.9	4373.0	4433.6	4323.9	4153.6	4110.1
32.5°	4059.0	4078.0	4206.6	4403.3	4560.3	4681.3	4728.6	4792.9	4705.9	4514.9	4465.7
35°	4475.2	4486.5	4637.8	4851.6	5018.0	5135.3	5167.4	5243.1	5146.6	4955.6	4929.1
37.5°	4957.5	4970.7	5135.3	5383.1	5553.3	5683.8	5734.9	5755.7	5638.4	5424.7	5403.9
40°	5487.1	5530.6	5691.4	5958.1	6149.1	6313.7	6359.1	6289.1	6124.5	5833.2	5795.4
42.5°	6039.4	6077.2	6256.9	6546.3	6767.6	6935.9	6937.8	6786.5	6506.6	6103.7	6047.0
45°	6499.0	6514.2	6746.8	7038.1	7310.5	7429.6	7441.0	7166.7	6744.9	6260.7	6139.6
47.5°	6814.9	6839.5	7041.9	7321.8	7622.5	7730.4	7707.7	7365.3	6858.4	6362.8	6162.3
50°	6818.7	6860.3	7079.7	7350.2	7641.5	7772.0	7739.8	7422.0	6922.7	6366.6	6107.5
52.5°	6215.3	6283.4	6640.9	7032.4	7478.8	7702.0	7709.5	7495.8	6898.1	6306.1	6058.3
55°	4688.9	4762.7	5212.8	5880.5	6743.0	7365.3	7473.1	7408.8	6869.7	6332.6	6145.3
57.5°	2481.6	2424.8	2674.5	3336.5	4420.3	5521.1	5837.0	6351.5	6553.9	6364.7	6306.1
60°	541.0	576.9	767.9	1034.6	1725.0	2597.0	2905.3	3786.7	4834.5	5299.8	5636.5
62.5°	232.6	228.9	238.3	270.5	395.3	658.2	803.9	1312.7	2071.1	2844.7	3368.7
65°	191.0	192.9	200.5	200.5	187.3	189.1	198.6	300.7	484.2	679.0	911.7
67.5°	143.8	145.6	158.9	162.7	153.2	136.2	134.3	113.5	119.2	149.4	155.1
70°	90.8	90.8	98.4	102.1	102.1	94.6	92.7	81.3	79.4	90.8	102.1
72.5°	49.2	49.2	53.0	54.9	53.0	51.1	51.1	49.2	47.3	54.9	70.0
75°	20.8	20.8	22.7	22.7	20.8	20.8	20.8	20.8	20.8	24.6	37.8
77.5°	3.8	5.7	7.6	5.7	3.8	3.8	3.8	5.7	5.7	7.6	11.3
80°	1.9	1.9	3.8	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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°	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4	2432.4
2.5°	2474.0	2453.2	2460.8	2464.6	2458.9	2455.1	2434.3	2428.6	2419.2	2404.0	2400.2
5°	2557.2	2540.2	2538.3	2527.0	2500.5	2468.3	2428.6	2411.6	2392.7	2373.8	2370.0
7.5°	2697.2	2676.4	2663.2	2625.3	2564.8	2513.7	2447.5	2411.6	2387.0	2362.4	2356.7
10°	2876.9	2852.3	2814.5	2744.5	2663.2	2589.4	2511.8	2464.6	2426.7	2392.7	2390.8
12.5°	3067.9	3041.5	2973.4	2884.5	2786.1	2718.0	2619.7	2553.5	2496.7	2445.6	2440.0
15°	3268.4	3236.3	3143.6	3037.7	2946.9	2876.9	2769.1	2663.2	2576.2	2502.4	2494.8
17.5°	3421.6	3381.9	3272.2	3192.8	3119.0	3047.1	2926.1	2786.1	2670.7	2581.8	2561.0
20°	3518.1	3480.3	3376.2	3332.7	3298.7	3247.6	3103.9	2958.2	2829.6	2719.9	2701.0
22.5°	3610.8	3565.4	3474.6	3474.6	3501.1	3480.3	3325.2	3158.7	3007.4	2880.7	2852.3
25°	3714.8	3678.9	3614.6	3667.5	3733.7	3731.8	3572.9	3364.9	3190.9	3049.0	3020.6
27.5°	3866.1	3830.2	3807.5	3907.7	3991.0	3985.3	3811.3	3586.2	3402.7	3262.7	3236.3
30°	4132.8	4098.8	4074.2	4195.2	4301.2	4261.4	4070.4	3852.9	3667.5	3508.6	3489.7
32.5°	4488.4	4452.5	4420.3	4541.4	4635.9	4584.9	4403.3	4199.0	3985.3	3830.2	3792.4
35°	4955.6	4879.9	4847.8	4991.5	5031.3	4974.5	4800.5	4620.8	4393.8	4216.0	4191.5
37.5°	5437.9	5349.0	5326.3	5451.2	5515.5	5494.7	5290.4	5103.1	4857.2	4660.5	4632.2
40°	5850.3	5768.9	5729.2	5924.0	6069.7	6082.9	5899.4	5670.6	5381.2	5176.9	5125.8
42.5°	6092.4	6022.4	6012.9	6315.5	6553.9	6724.1	6504.7	6268.3	5963.7	5733.0	5691.4
45°	6147.2	6101.8	6181.3	6578.5	6949.2	7259.4	7072.1	6822.5	6493.3	6249.3	6209.6
47.5°	6141.5	6126.4	6268.3	6714.6	7183.7	7565.8	7473.1	7191.3	6873.5	6618.2	6580.4
50°	6060.2	6062.1	6298.5	6782.7	7278.3	7649.0	7556.3	7295.3	7011.6	6760.0	6729.8
52.5°	6028.0	6016.7	6241.8	6761.9	7374.8	7611.2	7403.1	7110.0	6794.1	6483.9	6438.5
55°	6141.5	6113.2	6249.3	6744.9	7386.1	7590.4	7041.9	6406.3	5759.5	5392.5	5362.3
57.5°	6311.8	6281.5	6345.8	6620.1	6794.1	6311.8	5182.6	4157.4	3491.6	3209.8	3086.8
60°	5636.5	5615.7	5566.5	5235.5	4490.3	3387.6	2307.6	1471.5	1057.3	854.9	854.9
62.5°	3497.3	3468.9	3202.2	2379.4	1728.8	1000.6	550.4	344.2	261.0	244.0	242.1
65°	981.7	976.0	807.6	571.2	363.2	225.1	198.6	202.4	198.6	192.9	191.0
67.5°	147.5	162.7	162.7	132.4	126.7	141.9	166.4	177.8	168.3	158.9	155.1
70°	94.6	102.1	98.4	85.1	90.8	105.9	119.2	121.1	115.4	105.9	104.0
72.5°	66.2	73.8	60.5	54.9	56.7	62.4	68.1	68.1	66.2	62.4	58.6
75°	39.7	39.7	28.4	26.5	26.5	28.4	28.4	32.2	32.2	30.3	28.4
77.5°	13.2	15.1	9.5	7.6	7.6	7.6	9.5	11.3	11.3	9.5	7.6
80°	1.9	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	1.9
82.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
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)