

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: P642511

Luminaire Tested: GWS-SA6D-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 16293.7 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

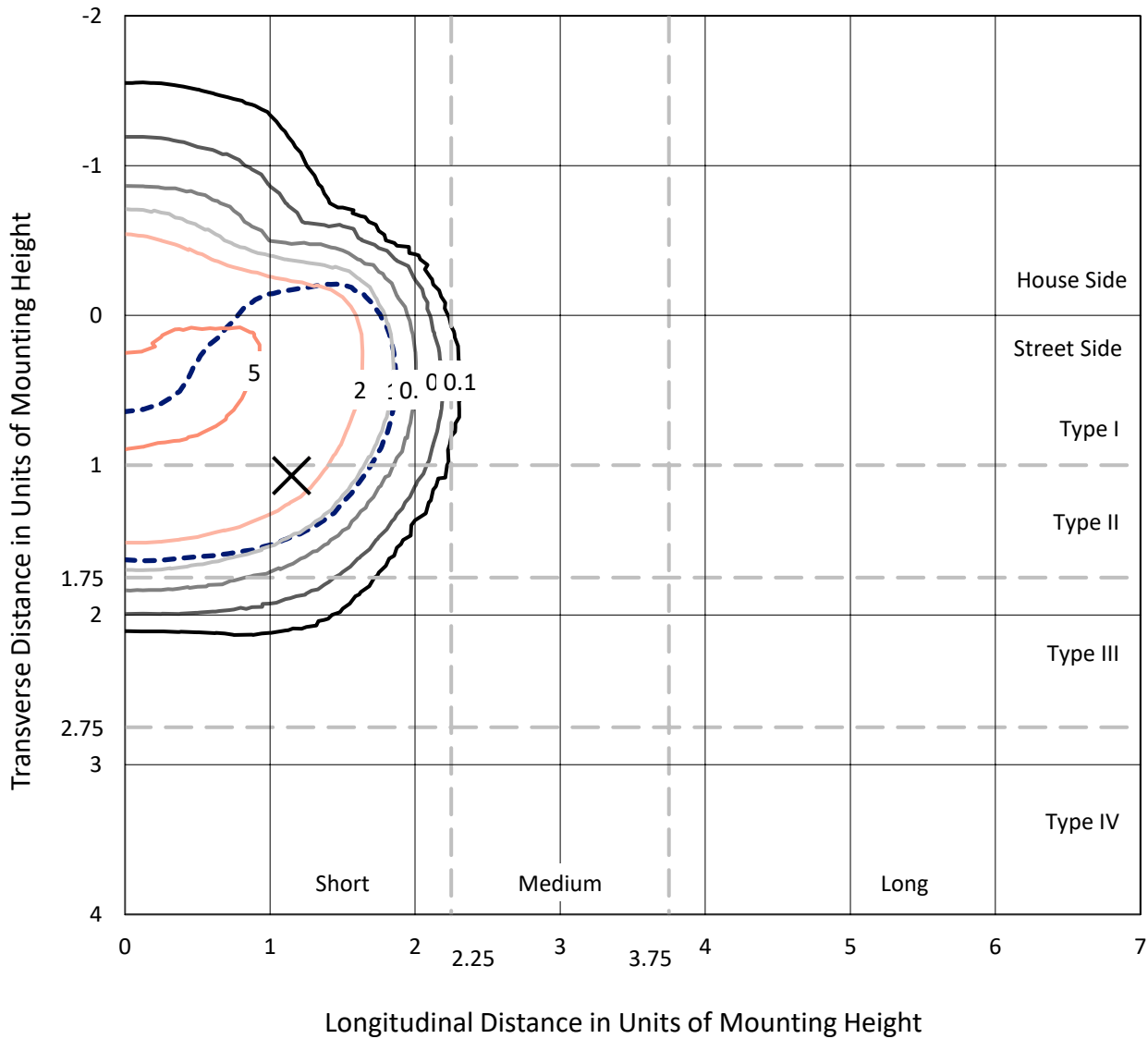
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

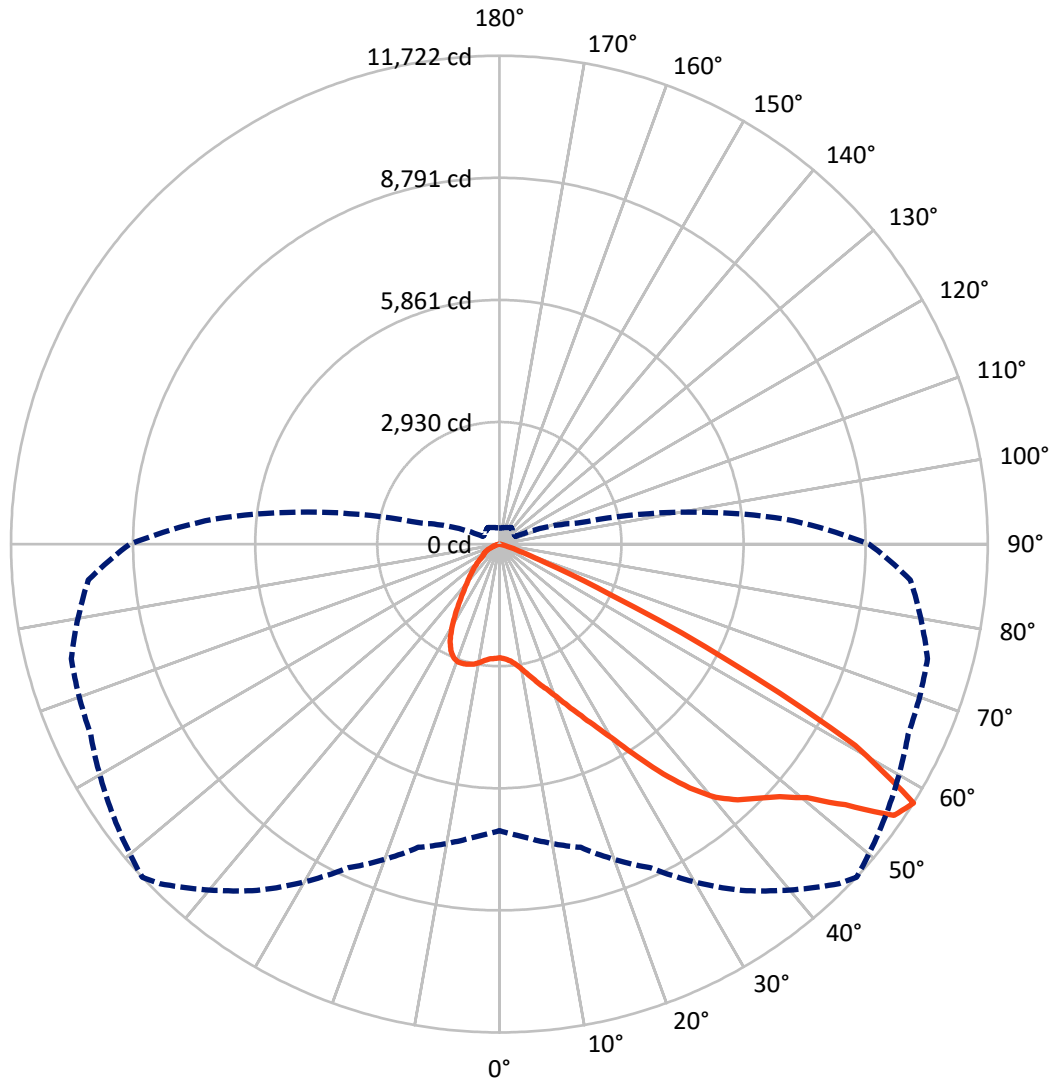
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3534.9	0.0	3534.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	12758.8	0.0	12758.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	16293.7	0.0	16293.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.4	1.7
10°-20°	915.6	5.6
20°-30°	1700.1	10.4
30°-40°	2721.6	16.7
40°-50°	3978.3	24.4
50°-60°	4910.0	30.1
60°-70°	1640.6	10.1
70°-80°	152.9	0.9
80°-90°	3.2	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°	16293.7	100.0
0°-180°	16293.7	100.0

Coefficient of Utilization



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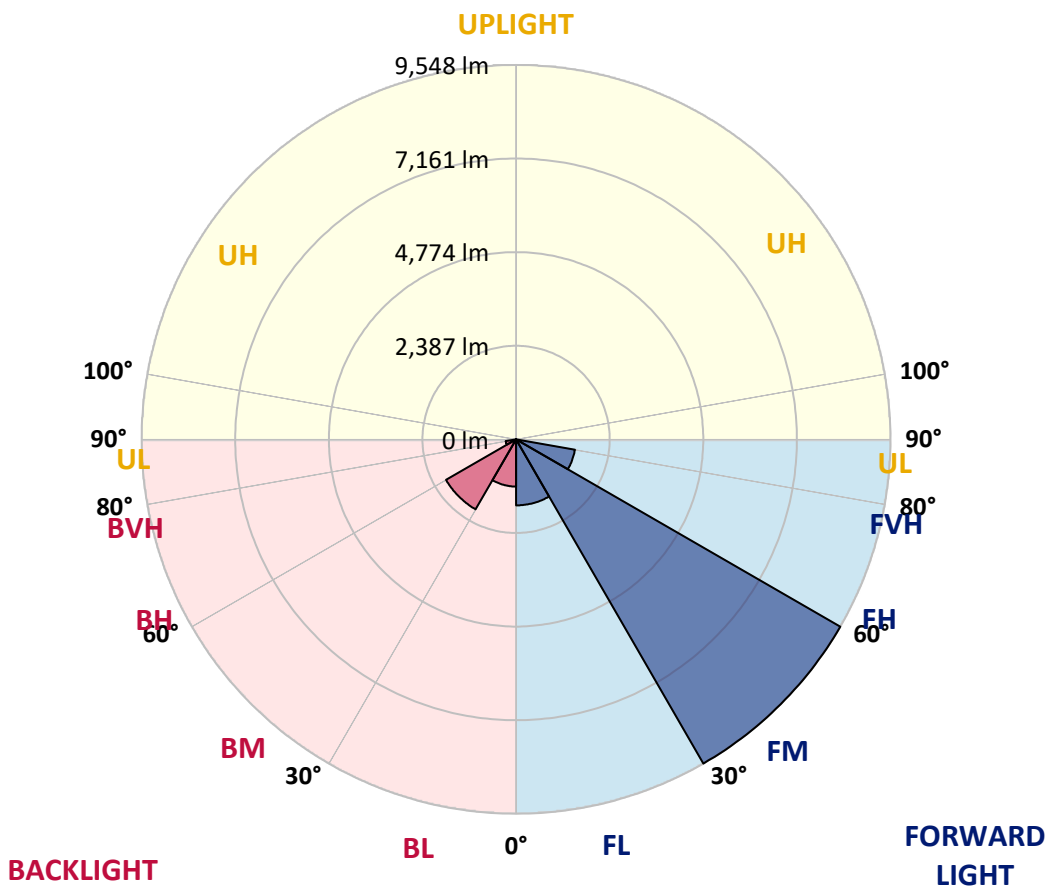
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1683.9	10.3			
FM (30°-60°)	9548.0	58.6			
FH (60°-80°)	1524.8	9.4			G1/1800
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	1203.2	7.4	B3/2500		
BM (30°-60°)	2061.9	12.7	B2/2500		
BH (60°-80°)	268.7	1.6	B1/500		G1/500
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6
2.5°	2756.0	2754.1	2752.2	2763.5	2759.7	2757.8	2761.6	2761.6	2761.6	2750.3	2727.6
5°	2822.2	2822.2	2820.3	2831.6	2822.2	2816.5	2818.4	2818.4	2810.8	2790.0	2761.6
7.5°	2926.2	2922.4	2918.6	2930.0	2920.5	2918.6	2922.4	2911.1	2897.8	2863.8	2824.1
10°	3075.6	3075.6	3069.9	3081.3	3073.7	3069.9	3069.9	3062.4	3037.8	2984.8	2926.2
12.5°	3281.8	3272.3	3259.1	3249.6	3245.9	3244.0	3245.9	3234.5	3208.0	3139.9	3058.6
15°	3506.9	3499.3	3478.5	3463.4	3442.6	3438.8	3450.1	3440.7	3414.2	3321.5	3206.1
17.5°	3790.6	3800.1	3747.1	3715.0	3654.4	3650.6	3654.4	3669.6	3650.6	3531.5	3363.1
20°	4032.7	4040.3	4000.6	3977.9	3923.0	3898.4	3906.0	3930.6	3909.8	3769.8	3535.3
22.5°	4291.9	4301.3	4259.7	4212.4	4187.8	4187.8	4216.2	4250.3	4221.9	4038.4	3732.0
25°	4602.1	4609.7	4575.6	4513.2	4469.7	4524.5	4566.1	4656.9	4609.7	4360.0	3964.6
27.5°	4957.7	4959.6	4910.4	4846.1	4823.4	4925.5	4967.2	5107.1	5088.2	4721.3	4210.5
30°	5337.9	5339.8	5328.4	5284.9	5264.1	5398.4	5455.2	5657.6	5644.3	5169.5	4545.3
32.5°	5733.2	5733.2	5754.0	5750.2	5774.8	5994.3	6085.0	6315.8	6302.6	5718.1	4961.5
35°	6130.4	6132.3	6168.3	6259.1	6361.2	6652.5	6771.7	7051.6	7021.4	6374.4	5493.0
37.5°	6582.5	6563.6	6612.8	6749.0	6976.0	7312.6	7426.1	7692.8	7658.8	7045.9	6187.2
40°	7127.3	7093.2	7093.2	7252.1	7509.4	7897.1	7993.6	8126.0	8010.6	7588.8	6868.1
42.5°	7728.8	7696.6	7655.0	7795.0	8010.6	8313.3	8392.7	8356.8	8262.2	8101.4	7643.7
45°	8337.9	8288.7	8317.0	8402.2	8527.0	8670.8	8701.0	8534.6	8491.1	8536.5	8284.9
47.5°	8801.3	8767.2	8837.2	8956.4	9058.5	9079.3	9058.5	8827.8	8824.0	8984.8	8729.4
50°	8956.4	8960.2	9153.1	9414.1	9578.7	9595.7	9567.3	9302.5	9266.6	9313.9	8969.6
52.5°	8971.5	8986.6	9268.5	9766.0	10214.2	10418.5	10395.8	10110.2	9758.4	9707.3	9332.8
55°	8606.5	8695.4	9088.8	9815.1	10768.5	11421.0	11496.7	10950.1	10428.0	10384.5	10114.0
57.5°	6879.5	7061.1	7535.8	8570.5	10149.9	11525.1	11721.8	11328.4	10823.3	10638.0	9904.0
60°	4112.2	4337.3	4793.1	6062.3	7725.0	9472.8	9811.4	9866.2	9633.6	9098.2	7598.3
62.5°	1764.8	1745.9	2307.7	3279.9	4594.5	6020.7	6173.9	6412.3	6614.7	6054.8	4611.5
65°	605.3	658.3	915.5	1479.2	2300.1	2795.7	2931.9	3145.6	3433.1	2833.5	1689.1
67.5°	374.5	397.2	527.7	873.9	1240.8	1221.9	1161.4	1127.4	1097.1	750.9	463.4
70°	272.4	291.3	370.7	601.5	834.2	586.4	508.8	412.4	457.7	421.8	329.1
72.5°	183.5	198.6	255.4	365.1	427.5	285.6	264.8	300.8	363.2	346.1	268.6
75°	109.7	119.2	145.6	177.8	174.0	147.5	149.4	211.9	278.1	259.1	191.0
77.5°	75.7	79.4	96.5	115.4	85.1	45.4	41.6	58.6	94.6	94.6	64.3
80°	18.9	24.6	24.6	15.1	13.2	11.3	11.3	17.0	26.5	18.9	9.5
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8	3.8
85°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
87.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
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°	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6	2727.6
2.5°	2740.8	2718.1	2733.3	2729.5	2740.8	2744.6	2727.6	2723.8	2725.7	2703.0	2695.4
5°	2767.3	2740.8	2748.4	2740.8	2754.1	2765.4	2759.7	2767.3	2776.8	2759.7	2752.2
7.5°	2824.1	2797.6	2795.7	2784.3	2803.2	2810.8	2808.9	2829.7	2848.6	2837.3	2825.9
10°	2922.4	2886.5	2882.7	2873.2	2878.9	2884.6	2863.8	2867.6	2884.6	2871.3	2865.7
12.5°	3043.5	3000.0	2990.5	2967.8	2967.8	2939.4	2894.0	2884.6	2897.8	2888.4	2878.9
15°	3174.0	3115.3	3100.2	3060.5	3022.7	2969.7	2922.4	2911.1	2920.5	2909.2	2901.6
17.5°	3319.6	3253.4	3204.2	3134.3	3051.0	2988.6	2935.7	2911.1	2895.9	2873.2	2871.3
20°	3463.4	3376.4	3293.1	3181.5	3071.8	2977.3	2890.3	2825.9	2771.1	2737.0	2723.8
22.5°	3629.8	3501.2	3366.9	3209.9	3052.9	2909.2	2756.0	2646.2	2551.7	2519.5	2504.4
25°	3807.6	3641.2	3440.7	3236.4	2988.6	2757.8	2549.8	2387.1	2262.3	2220.7	2203.6
27.5°	4004.4	3775.5	3516.3	3230.7	2856.2	2542.2	2266.1	2063.7	1940.7	1902.9	1916.1
30°	4254.0	3949.5	3610.9	3172.1	2657.6	2239.6	1916.1	1745.9	1653.2	1617.3	1619.1
32.5°	4587.0	4199.2	3749.0	3047.3	2402.2	1895.3	1611.6	1486.7	1424.3	1377.0	1373.2
35°	5063.6	4579.4	3877.6	2846.7	2092.0	1588.9	1382.7	1284.3	1197.3	1142.5	1151.9
37.5°	5634.9	5057.9	3947.6	2576.3	1744.0	1350.6	1210.6	1110.3	1012.0	930.6	940.1
40°	6312.0	5684.0	3941.9	2220.7	1426.2	1187.9	1066.8	949.5	826.6	752.8	760.4
42.5°	7066.7	6276.1	3819.0	1844.2	1182.2	1055.5	928.7	781.2	662.0	616.6	618.5
45°	7721.2	6756.5	3603.4	1454.6	994.9	926.8	785.0	633.7	580.7	548.5	546.7
47.5°	8205.4	7108.4	3295.0	1144.4	843.6	809.6	645.0	567.5	525.8	499.4	495.6
50°	8475.9	7231.3	2954.6	896.6	713.1	686.6	576.9	514.5	486.1	469.1	465.3
52.5°	8839.1	7378.8	2710.6	707.4	597.7	561.8	531.5	478.6	459.6	446.4	440.7
55°	9414.1	7664.5	2498.7	561.8	497.5	489.9	501.3	457.7	446.4	425.6	418.0
57.5°	8873.2	6885.2	1940.7	435.1	419.9	448.3	484.2	436.9	408.6	389.7	382.1
60°	6243.9	4577.5	976.0	349.9	374.5	419.9	455.9	395.3	367.0	370.7	367.0
62.5°	3442.6	2290.6	438.8	293.2	325.3	370.7	389.7	342.4	323.5	355.6	361.3
65°	1125.5	779.3	253.5	227.0	257.2	302.6	336.7	325.3	321.6	359.4	370.7
67.5°	346.1	257.2	172.1	162.7	177.8	223.2	283.7	351.8	378.3	389.7	395.3
70°	259.1	202.4	147.5	138.1	145.6	170.2	240.2	293.2	276.2	278.1	274.3
72.5°	208.1	160.8	126.7	121.1	121.1	117.3	126.7	158.9	179.7	189.2	189.2
75°	145.6	113.5	96.5	88.9	70.0	56.7	51.1	51.1	45.4	43.5	41.6
77.5°	49.2	41.6	37.8	30.3	20.8	17.0	15.1	13.2	9.5	5.7	3.8
80°	7.6	5.7	3.8	3.8	3.8	1.9	1.9	1.9	0.0	0.0	0.0
82.5°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	0.0	0.0	0.0	0.0
85°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	1.9	1.9	1.9	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)