

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: P639871

Luminaire Tested: GWS-SA5C-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639871
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-SA5C-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14835.3 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

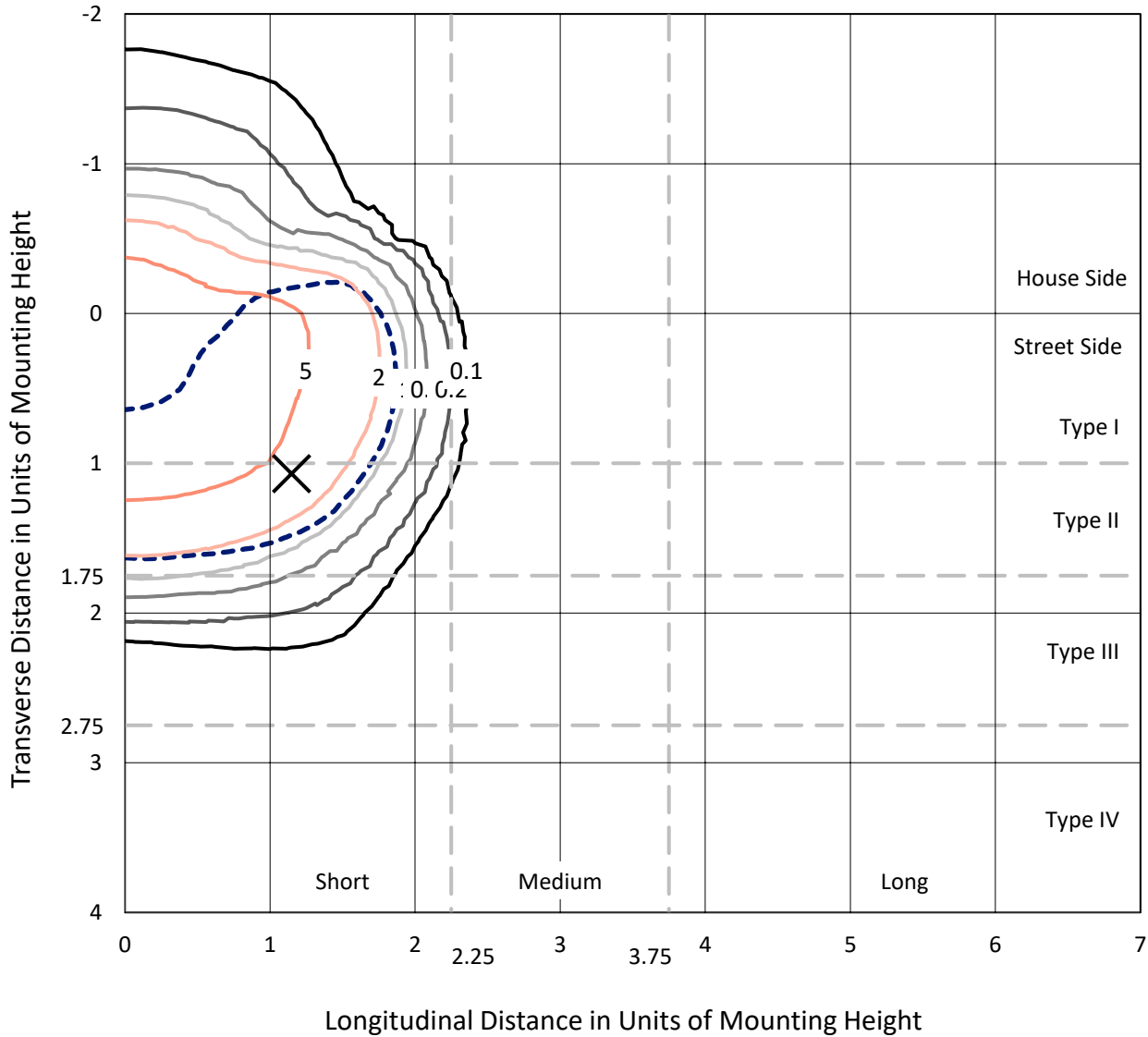
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

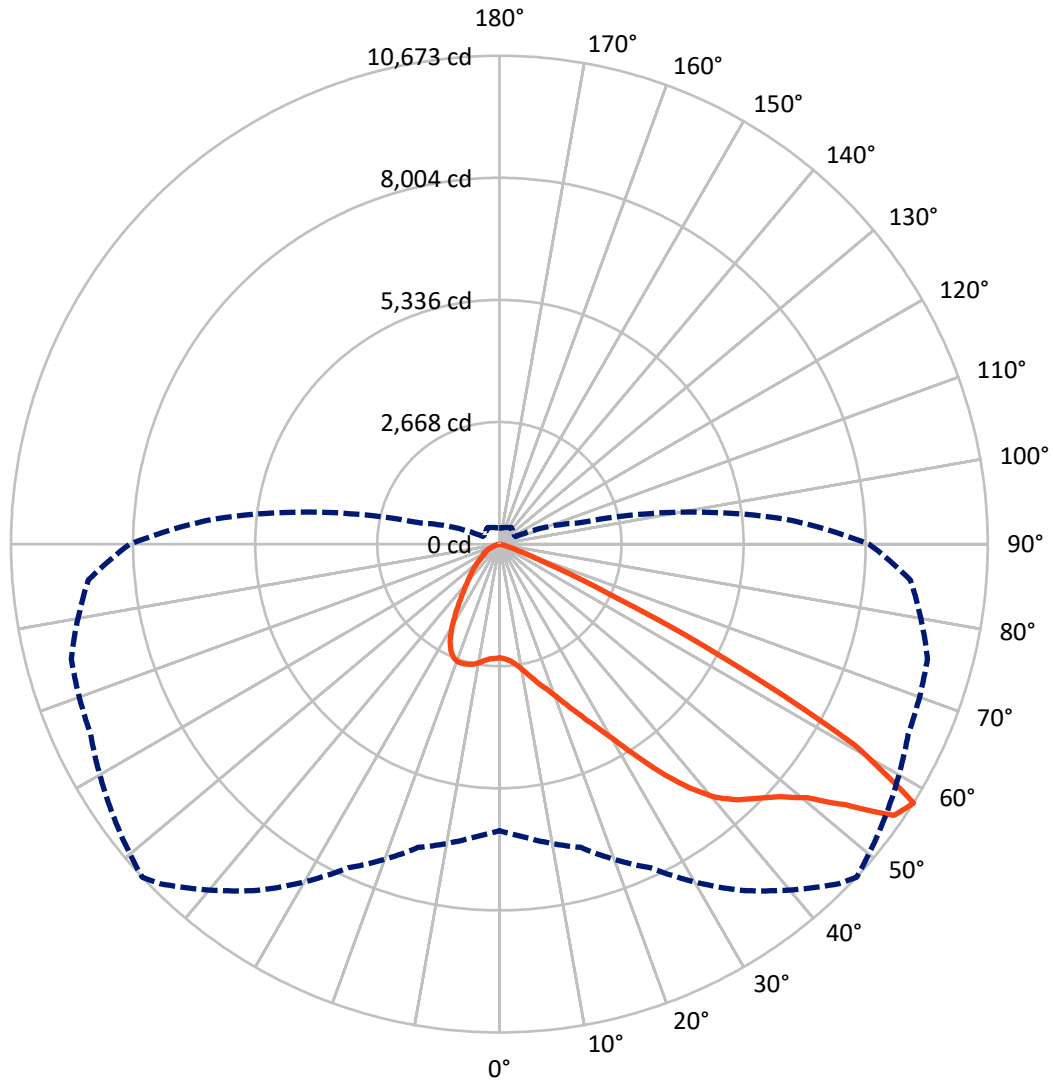
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 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	3218.5	0.0	3218.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	11616.8	0.0	11616.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	14835.3	0.0	14835.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.1	1.7
10°-20°	833.7	5.6
20°-30°	1548.0	10.4
30°-40°	2478.0	16.7
40°-50°	3622.2	24.4
50°-60°	4470.5	30.1
60°-70°	1493.8	10.1
70°-80°	139.2	0.9
80°-90°	2.9	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°	14835.3	100.0
0°-180°	14835.3	100.0

Coefficient of Utilization



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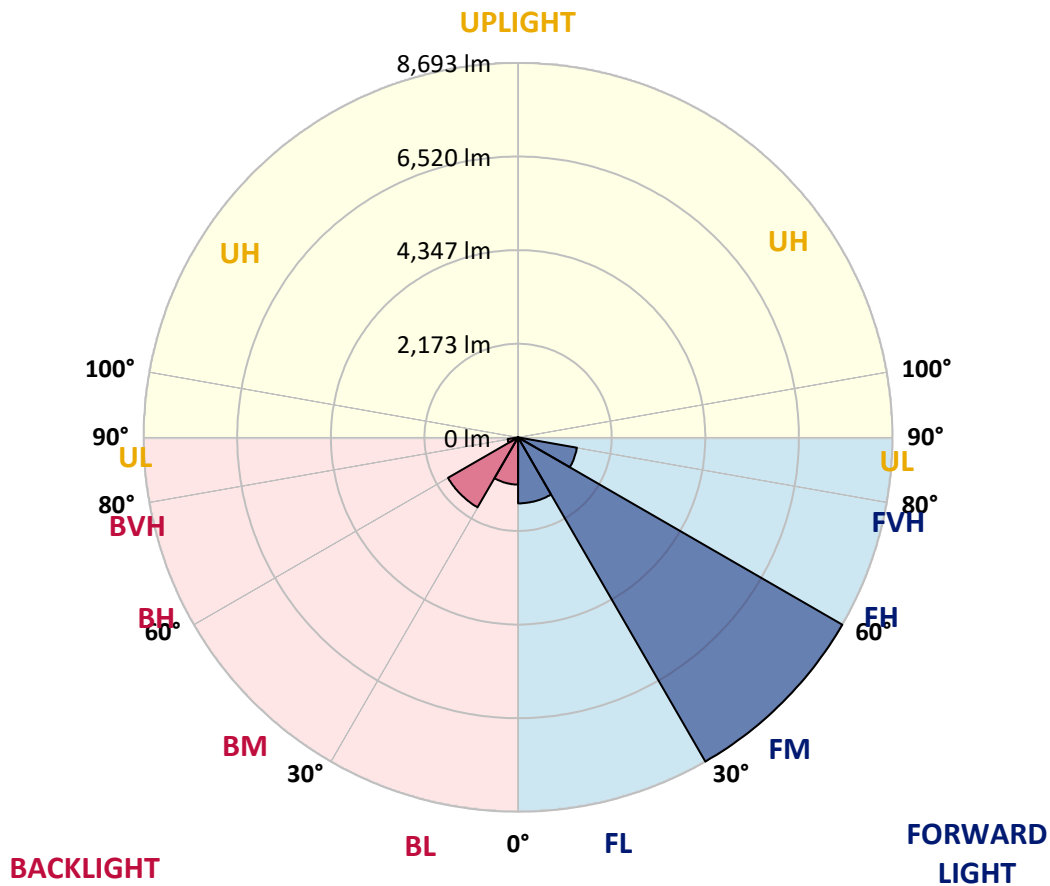
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1533.2	10.3			
FM (30°-60°)	8693.4	58.6			
FH (60°-80°)	1388.3	9.4			G1/1800
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	1095.5	7.4	B3/2500		
BM (30°-60°)	1877.4	12.7	B2/2500		
BH (60°-80°)	244.7	1.6	B1/500		G1/500
BVH (80°-90°)	0.9	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°	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4
2.5°	2509.3	2507.6	2505.8	2516.2	2512.7	2511.0	2514.4	2514.4	2514.4	2504.1	2483.4
5°	2569.6	2569.6	2567.8	2578.2	2569.6	2564.4	2566.1	2566.1	2559.2	2540.3	2514.4
7.5°	2664.3	2660.8	2657.4	2667.7	2659.1	2657.4	2660.8	2650.5	2638.4	2607.4	2571.3
10°	2800.3	2800.3	2795.2	2805.5	2798.6	2795.2	2795.2	2788.3	2765.9	2717.7	2664.3
12.5°	2988.1	2979.4	2967.4	2958.8	2955.3	2953.6	2955.3	2945.0	2920.9	2858.9	2784.8
15°	3193.0	3186.1	3167.2	3153.4	3134.4	3131.0	3141.3	3132.7	3108.6	3024.2	2919.2
17.5°	3451.3	3459.9	3411.7	3382.4	3327.3	3323.9	3327.3	3341.1	3323.9	3215.4	3062.1
20°	3671.8	3678.7	3642.5	3621.8	3571.9	3549.5	3556.4	3578.8	3559.8	3432.4	3218.8
22.5°	3907.7	3916.3	3878.4	3835.4	3813.0	3813.0	3838.8	3869.8	3844.0	3676.9	3397.9
25°	4190.2	4197.1	4166.1	4109.2	4069.6	4119.6	4157.4	4240.1	4197.1	3969.7	3609.8
27.5°	4513.9	4515.7	4470.9	4412.3	4391.7	4484.7	4522.6	4650.0	4632.8	4298.7	3833.7
30°	4860.1	4861.8	4851.5	4811.9	4792.9	4915.2	4966.9	5151.2	5139.1	4706.8	4138.5
32.5°	5220.1	5220.1	5239.0	5235.6	5257.9	5457.7	5540.4	5750.5	5738.4	5206.3	4517.4
35°	5581.7	5583.4	5616.2	5698.8	5791.8	6057.1	6165.6	6420.4	6392.9	5803.9	5001.3
37.5°	5993.3	5976.1	6020.9	6144.9	6351.6	6658.1	6761.4	7004.3	6973.3	6415.3	5633.4
40°	6489.3	6458.3	6458.3	6603.0	6837.2	7190.3	7278.1	7398.7	7293.6	6909.6	6253.4
42.5°	7037.0	7007.7	6969.8	7097.3	7293.6	7569.2	7641.5	7608.8	7522.7	7376.3	6959.5
45°	7591.6	7546.8	7572.6	7650.1	7763.8	7894.7	7922.2	7770.7	7731.1	7772.4	7543.3
47.5°	8013.5	7982.5	8046.2	8154.7	8247.7	8266.7	8247.7	8037.6	8034.2	8180.6	7948.1
50°	8154.7	8158.2	8333.8	8571.5	8721.3	8736.8	8711.0	8469.9	8437.2	8480.2	8166.8
52.5°	8168.5	8182.3	8438.9	8891.8	9300.0	9486.0	9465.3	9205.3	8884.9	8838.4	8497.4
55°	7836.1	7917.1	8275.3	8936.6	9804.6	10398.8	10467.7	9969.9	9494.6	9455.0	9208.7
57.5°	6263.7	6429.1	6861.3	7803.4	9241.4	10493.5	10672.6	10314.4	9854.6	9685.8	9017.6
60°	3744.1	3949.1	4364.1	5519.7	7033.6	8624.9	8933.2	8983.1	8771.3	8283.9	6918.2
62.5°	1606.8	1589.6	2101.1	2986.3	4183.3	5481.8	5621.3	5838.3	6022.6	5512.8	4198.8
65°	551.1	599.3	833.6	1346.8	2094.2	2545.4	2669.4	2864.1	3125.8	2579.9	1537.9
67.5°	341.0	361.7	480.5	795.7	1129.8	1112.6	1057.4	1026.4	998.9	683.7	421.9
70°	248.0	265.2	337.6	547.7	759.5	533.9	463.3	375.4	416.8	384.1	299.7
72.5°	167.1	180.8	232.5	332.4	389.2	260.1	241.1	273.8	330.7	315.2	244.6
75°	99.9	108.5	132.6	161.9	158.4	134.3	136.1	192.9	253.2	235.9	173.9
77.5°	68.9	72.3	87.8	105.1	77.5	41.3	37.9	53.4	86.1	86.1	58.6
80°	17.2	22.4	22.4	13.8	12.1	10.3	10.3	15.5	24.1	17.2	8.6
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4
85°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4
87.5°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
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°	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4	2483.4
2.5°	2495.5	2474.8	2488.6	2485.2	2495.5	2498.9	2483.4	2480.0	2481.7	2461.1	2454.2
5°	2519.6	2495.5	2502.4	2495.5	2507.6	2517.9	2512.7	2519.6	2528.2	2512.7	2505.8
7.5°	2571.3	2547.2	2545.4	2535.1	2552.3	2559.2	2557.5	2576.4	2593.7	2583.3	2573.0
10°	2660.8	2628.1	2624.7	2616.1	2621.2	2626.4	2607.4	2610.9	2626.4	2614.3	2609.2
12.5°	2771.1	2731.4	2722.8	2702.2	2702.2	2676.3	2635.0	2626.4	2638.4	2629.8	2621.2
15°	2889.9	2836.5	2822.7	2786.6	2752.1	2703.9	2660.8	2650.5	2659.1	2648.8	2641.9
17.5°	3022.5	2962.2	2917.4	2853.7	2777.9	2721.1	2672.9	2650.5	2636.7	2616.1	2614.3
20°	3153.4	3074.2	2998.4	2896.8	2796.9	2710.8	2631.6	2573.0	2523.1	2492.1	2480.0
22.5°	3304.9	3187.8	3065.6	2922.6	2779.7	2648.8	2509.3	2409.4	2323.3	2294.0	2280.2
25°	3466.8	3315.3	3132.7	2946.7	2721.1	2511.0	2321.6	2173.4	2059.8	2021.9	2006.4
27.5°	3645.9	3437.6	3201.6	2941.6	2600.6	2314.7	2063.2	1878.9	1767.0	1732.6	1744.6
30°	3873.3	3596.0	3287.7	2888.2	2419.7	2039.1	1744.6	1589.6	1505.2	1472.5	1474.2
32.5°	4176.4	3823.3	3413.4	2774.5	2187.2	1725.7	1467.3	1353.7	1296.8	1253.8	1250.3
35°	4610.4	4169.5	3530.6	2591.9	1904.8	1446.7	1258.9	1169.4	1090.2	1040.2	1048.8
37.5°	5130.5	4605.2	3594.3	2345.7	1587.9	1229.7	1102.2	1010.9	921.4	847.3	855.9
40°	5747.1	5175.3	3589.1	2021.9	1298.6	1081.6	971.3	864.6	752.6	685.4	692.3
42.5°	6434.2	5714.3	3477.2	1679.2	1076.4	961.0	845.6	711.3	602.8	561.4	563.2
45°	7030.1	6151.8	3280.8	1324.4	905.9	843.9	714.7	576.9	528.7	499.4	497.7
47.5°	7471.0	6472.1	3000.1	1041.9	768.1	737.1	587.3	516.7	478.8	454.7	451.2
50°	7717.3	6584.1	2690.1	816.3	649.3	625.2	525.3	468.4	442.6	427.1	423.7
52.5°	8047.9	6718.4	2467.9	644.1	544.2	511.5	483.9	435.7	418.5	406.4	401.3
55°	8571.5	6978.4	2275.1	511.5	452.9	446.1	456.4	416.8	406.4	387.5	380.6
57.5°	8078.9	6268.9	1767.0	396.1	382.3	408.2	440.9	397.8	372.0	354.8	347.9
60°	5685.1	4167.8	888.7	318.6	341.0	382.3	415.1	359.9	334.1	337.6	334.1
62.5°	3134.4	2085.6	399.6	266.9	296.2	337.6	354.8	311.7	294.5	323.8	328.9
65°	1024.7	709.6	230.8	206.7	234.2	275.6	306.6	296.2	292.8	327.2	337.6
67.5°	315.2	234.2	156.7	148.1	161.9	203.2	258.3	320.3	344.4	354.8	359.9
70°	235.9	184.3	134.3	125.7	132.6	155.0	218.7	266.9	251.4	253.2	249.7
72.5°	189.4	146.4	115.4	110.2	110.2	106.8	115.4	144.7	163.6	172.2	172.2
75°	132.6	103.3	87.8	80.9	63.7	51.7	46.5	46.5	41.3	39.6	37.9
77.5°	44.8	37.9	34.4	27.6	18.9	15.5	13.8	12.1	8.6	5.2	3.4
80°	6.9	5.2	3.4	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0
82.5°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0
85°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	0.0	0.0	0.0	0.0
87.5°	3.4	3.4	3.4	3.4	1.7	1.7	1.7	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)