

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: P636296

Luminaire Tested: GWS-SA3F-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636296
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-SA3F-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15098.6 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

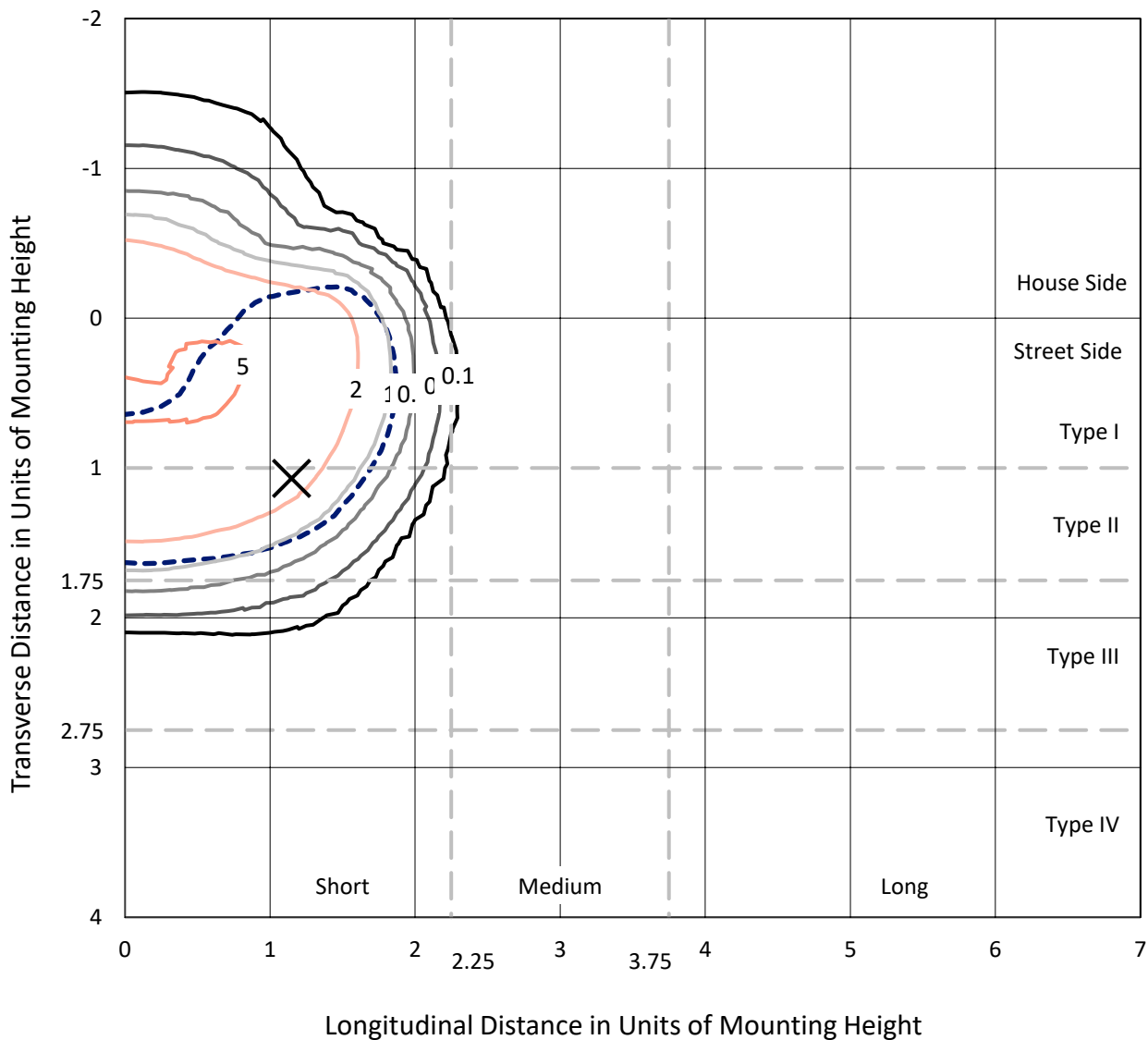
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

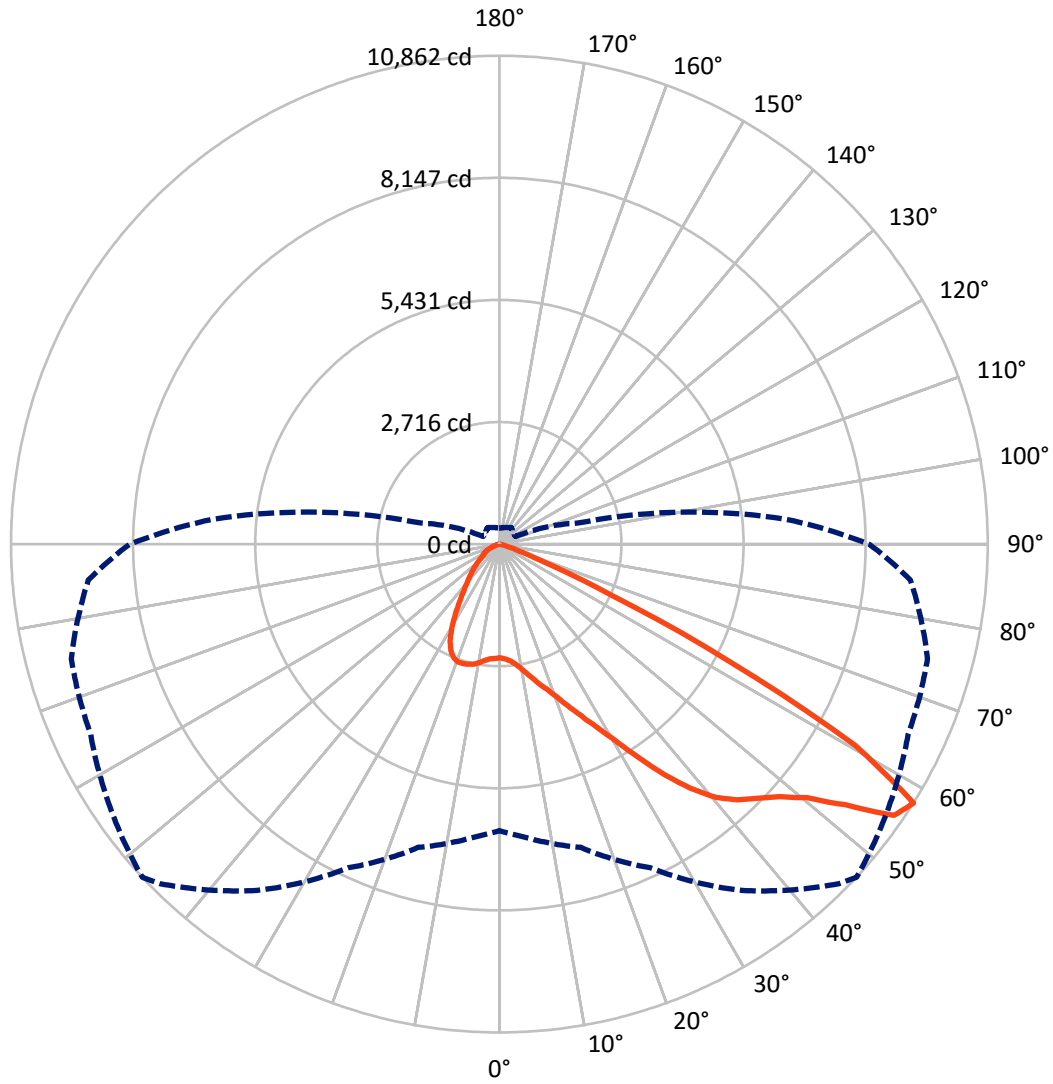
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	3275.6	0.0	3275.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	11823.0	0.0	11823.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	15098.6	0.0	15098.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	1.7
10°-20°	848.5	5.6
20°-30°	1575.4	10.4
30°-40°	2522.0	16.7
40°-50°	3686.5	24.4
50°-60°	4549.8	30.1
60°-70°	1520.3	10.1
70°-80°	141.7	0.9
80°-90°	3.0	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°	15098.6	100.0
0°-180°	15098.6	100.0

Coefficient of Utilization



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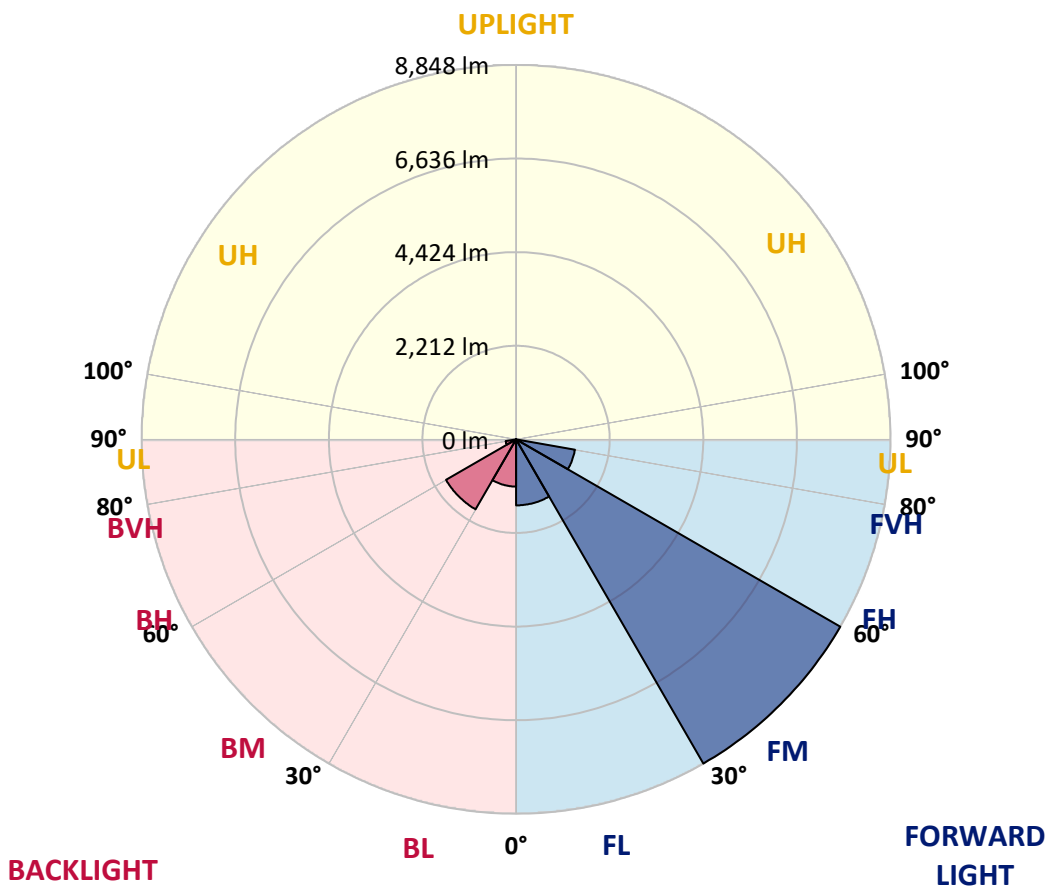
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1560.4	10.3			
FM (30°-60°)	8847.7	58.6			
FH (60°-80°)	1412.9	9.4			G1/1800
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	1115.0	7.4	B3/2500		
BM (30°-60°)	1910.7	12.7	B2/2500		
BH (60°-80°)	249.0	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°	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5
2.5°	2553.8	2552.1	2550.3	2560.8	2557.3	2555.6	2559.1	2559.1	2559.1	2548.6	2527.5
5°	2615.2	2615.2	2613.4	2623.9	2615.2	2609.9	2611.7	2611.7	2604.6	2585.4	2559.1
7.5°	2711.6	2708.1	2704.6	2715.1	2706.3	2704.6	2708.1	2697.5	2685.3	2653.7	2616.9
10°	2850.0	2850.0	2844.8	2855.3	2848.3	2844.8	2844.8	2837.8	2815.0	2765.9	2711.6
12.5°	3041.1	3032.3	3020.1	3011.3	3007.8	3006.0	3007.8	2997.3	2972.7	2909.6	2834.3
15°	3249.7	3242.7	3223.4	3209.4	3190.1	3186.6	3197.1	3188.3	3163.8	3077.9	2971.0
17.5°	3512.6	3521.4	3472.3	3442.5	3386.4	3382.9	3386.4	3400.4	3382.9	3272.5	3116.5
20°	3736.9	3744.0	3707.1	3686.1	3635.3	3612.5	3619.5	3642.3	3623.0	3493.3	3276.0
22.5°	3977.1	3985.8	3947.3	3903.5	3880.7	3880.7	3907.0	3938.5	3912.2	3742.2	3458.3
25°	4264.5	4271.5	4240.0	4182.2	4141.8	4192.7	4231.2	4315.4	4271.5	4040.2	3673.8
27.5°	4594.1	4595.8	4550.2	4490.6	4469.6	4564.3	4602.8	4732.5	4715.0	4375.0	3901.7
30°	4946.4	4948.1	4937.6	4897.3	4878.0	5002.5	5055.0	5242.6	5230.3	4790.4	4212.0
32.5°	5312.7	5312.7	5332.0	5328.5	5351.3	5554.6	5638.7	5852.6	5840.3	5298.7	4597.6
35°	5680.8	5682.5	5715.8	5800.0	5894.6	6164.6	6275.0	6534.4	6506.4	5906.9	5090.1
37.5°	6099.7	6082.2	6127.8	6254.0	6464.3	6776.3	6881.4	7128.6	7097.0	6529.1	5733.4
40°	6604.5	6573.0	6573.0	6720.2	6958.6	7317.9	7407.3	7530.0	7423.1	7032.2	6364.4
42.5°	7161.9	7132.1	7093.5	7223.2	7423.1	7703.5	7777.1	7743.8	7656.2	7507.2	7083.0
45°	7726.3	7680.7	7707.0	7785.9	7901.6	8034.8	8062.8	7908.6	7868.3	7910.3	7677.2
47.5°	8155.7	8124.2	8189.0	8299.5	8394.1	8413.4	8394.1	8180.3	8176.8	8325.7	8089.1
50°	8299.5	8303.0	8481.7	8723.6	8876.1	8891.9	8865.6	8620.2	8586.9	8630.7	8311.7
52.5°	8313.5	8327.5	8588.7	9049.7	9465.1	9654.4	9633.3	9368.7	9042.6	8995.3	8648.3
55°	7975.2	8057.6	8422.2	9095.2	9978.6	10583.3	10653.5	10146.9	9663.1	9622.8	9372.2
57.5°	6374.9	6543.2	6983.1	7941.9	9405.5	10679.7	10862.0	10497.5	10029.5	9857.7	9177.6
60°	3810.6	4019.1	4441.6	5617.7	7158.4	8778.0	9091.7	9142.5	8927.0	8430.9	7041.0
62.5°	1635.4	1617.8	2138.4	3039.3	4257.5	5579.1	5721.1	5942.0	6129.5	5610.7	4273.3
65°	560.9	610.0	848.3	1370.7	2131.4	2590.6	2716.8	2914.9	3181.3	2625.7	1565.2
67.5°	347.1	368.1	489.0	809.8	1149.8	1132.3	1076.2	1044.7	1016.6	695.9	429.4
70°	252.4	269.9	343.5	557.4	773.0	543.4	471.5	382.1	424.2	390.9	305.0
72.5°	170.0	184.0	236.6	338.3	396.1	264.7	245.4	278.7	336.5	320.8	248.9
75°	101.7	110.4	135.0	164.8	161.3	136.7	138.5	196.3	257.7	240.1	177.0
77.5°	70.1	73.6	89.4	106.9	78.9	42.1	38.6	54.3	87.6	87.6	59.6
80°	17.5	22.8	22.8	14.0	12.3	10.5	10.5	15.8	24.5	17.5	8.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5
85°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5	3.5
87.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.5	3.5
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°	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5
2.5°	2539.8	2518.8	2532.8	2529.3	2539.8	2543.3	2527.5	2524.0	2525.8	2504.7	2497.7
5°	2564.3	2539.8	2546.8	2539.8	2552.1	2562.6	2557.3	2564.3	2573.1	2557.3	2550.3
7.5°	2616.9	2592.4	2590.6	2580.1	2597.6	2604.6	2602.9	2622.2	2639.7	2629.2	2618.7
10°	2708.1	2674.8	2671.3	2662.5	2667.7	2673.0	2653.7	2657.2	2673.0	2660.7	2655.5
12.5°	2820.2	2779.9	2771.2	2750.1	2750.1	2723.8	2681.8	2673.0	2685.3	2676.5	2667.7
15°	2941.2	2886.8	2872.8	2836.0	2801.0	2751.9	2708.1	2697.5	2706.3	2695.8	2688.8
17.5°	3076.1	3014.8	2969.2	2904.4	2827.2	2769.4	2720.3	2697.5	2683.5	2662.5	2660.7
20°	3209.4	3128.7	3051.6	2948.2	2846.5	2758.9	2678.3	2618.7	2567.8	2536.3	2524.0
22.5°	3363.6	3244.4	3120.0	2974.5	2829.0	2695.8	2553.8	2452.2	2364.5	2334.7	2320.7
25°	3528.4	3374.1	3188.3	2999.0	2769.4	2555.6	2362.8	2212.0	2096.3	2057.8	2042.0
27.5°	3710.7	3498.6	3258.4	2993.8	2646.7	2355.7	2099.8	1912.3	1798.4	1763.3	1775.6
30°	3942.0	3659.8	3346.1	2939.4	2462.7	2075.3	1775.6	1617.8	1531.9	1498.6	1500.4
32.5°	4250.5	3891.2	3474.0	2823.7	2226.0	1756.3	1493.4	1377.7	1319.9	1276.0	1272.5
35°	4692.2	4243.5	3593.2	2637.9	1938.6	1472.3	1281.3	1190.1	1109.5	1058.7	1067.4
37.5°	5221.6	4687.0	3658.1	2387.3	1616.1	1251.5	1121.8	1028.9	937.7	862.4	871.1
40°	5849.1	5267.1	3652.8	2057.8	1321.6	1100.8	988.6	879.9	766.0	697.6	704.6
42.5°	6548.4	5815.8	3538.9	1709.0	1095.5	978.1	860.6	723.9	613.5	571.4	573.2
45°	7154.9	6261.0	3339.1	1347.9	922.0	858.9	727.4	587.2	538.1	508.3	506.6
47.5°	7603.6	6587.0	3053.4	1060.4	781.7	750.2	597.7	525.8	487.3	462.7	459.2
50°	7854.2	6700.9	2737.9	830.8	660.8	636.3	534.6	476.8	450.5	434.7	431.2
52.5°	8190.8	6837.6	2511.7	655.5	553.9	520.6	492.5	443.5	425.9	413.7	408.4
55°	8723.6	7102.3	2315.4	520.6	461.0	454.0	464.5	424.2	413.7	394.4	387.4
57.5°	8222.3	6380.2	1798.4	403.1	389.1	415.4	448.7	404.9	378.6	361.1	354.1
60°	5786.0	4241.7	904.4	324.3	347.1	389.1	422.4	366.3	340.0	343.5	340.0
62.5°	3190.1	2122.6	406.6	271.7	301.5	343.5	361.1	317.3	299.7	329.5	334.8
65°	1042.9	722.1	234.9	210.3	238.4	280.4	312.0	301.5	298.0	333.0	343.5
67.5°	320.8	238.4	159.5	150.7	164.8	206.8	262.9	326.0	350.6	361.1	366.3
70°	240.1	187.5	136.7	128.0	135.0	157.8	222.6	271.7	255.9	257.7	254.2
72.5°	192.8	149.0	117.4	112.2	112.2	108.7	117.4	147.2	166.5	175.3	175.3
75°	135.0	105.2	89.4	82.4	64.9	52.6	47.3	47.3	42.1	40.3	38.6
77.5°	45.6	38.6	35.1	28.0	19.3	15.8	14.0	12.3	8.8	5.3	3.5
80°	7.0	5.3	3.5	3.5	3.5	1.8	1.8	1.8	0.0	0.0	0.0
82.5°	3.5	3.5	3.5	3.5	3.5	1.8	1.8	0.0	0.0	0.0	0.0
85°	3.5	3.5	3.5	3.5	3.5	1.8	1.8	0.0	0.0	0.0	0.0
87.5°	3.5	3.5	3.5	3.5	1.8	1.8	1.8	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)