

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: P632811

Luminaire Tested: GWS-SA2D-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11440.5 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

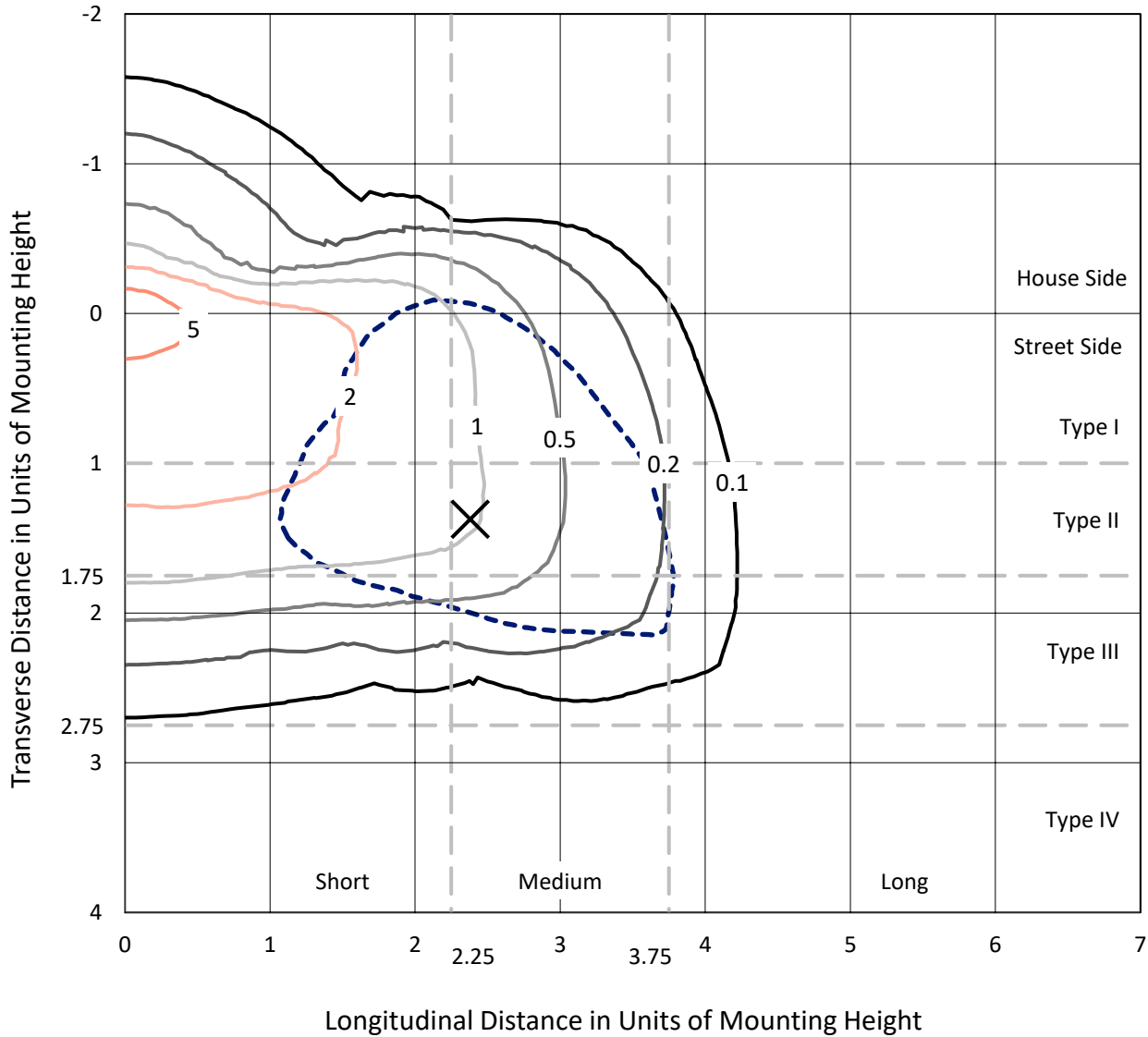
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

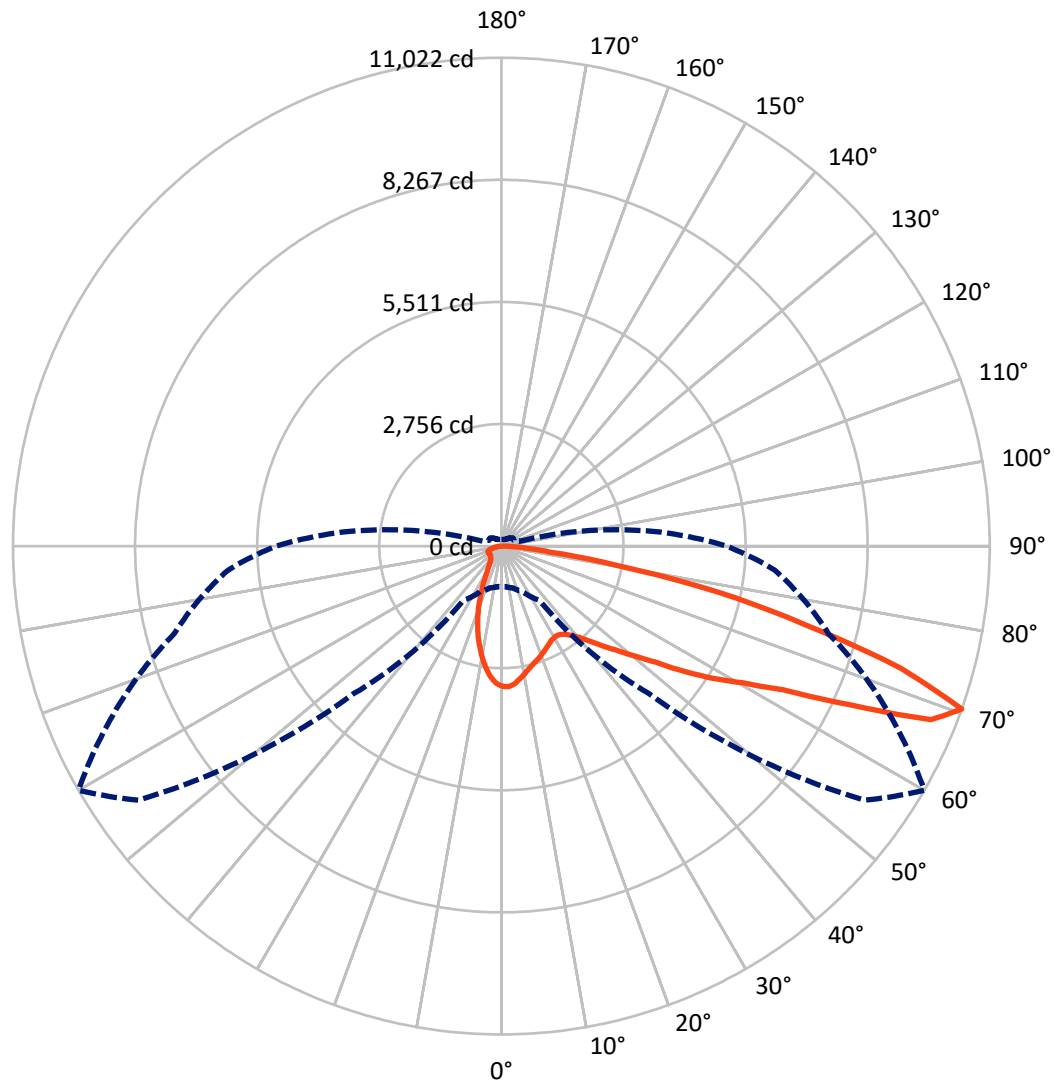
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1956.6	0.0	1956.6
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	9483.9	0.0	9483.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	11440.5	0.0	11440.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	2.4
10°-20°	611.3	5.3
20°-30°	782.9	6.8
30°-40°	1028.9	9.0
40°-50°	1492.8	13.0
50°-60°	2329.1	20.4
60°-70°	3049.3	26.7
70°-80°	1686.2	14.7
80°-90°	187.1	1.6
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°	11440.5	100.0
0°-180°	11440.5	100.0

Coefficient of Utilization



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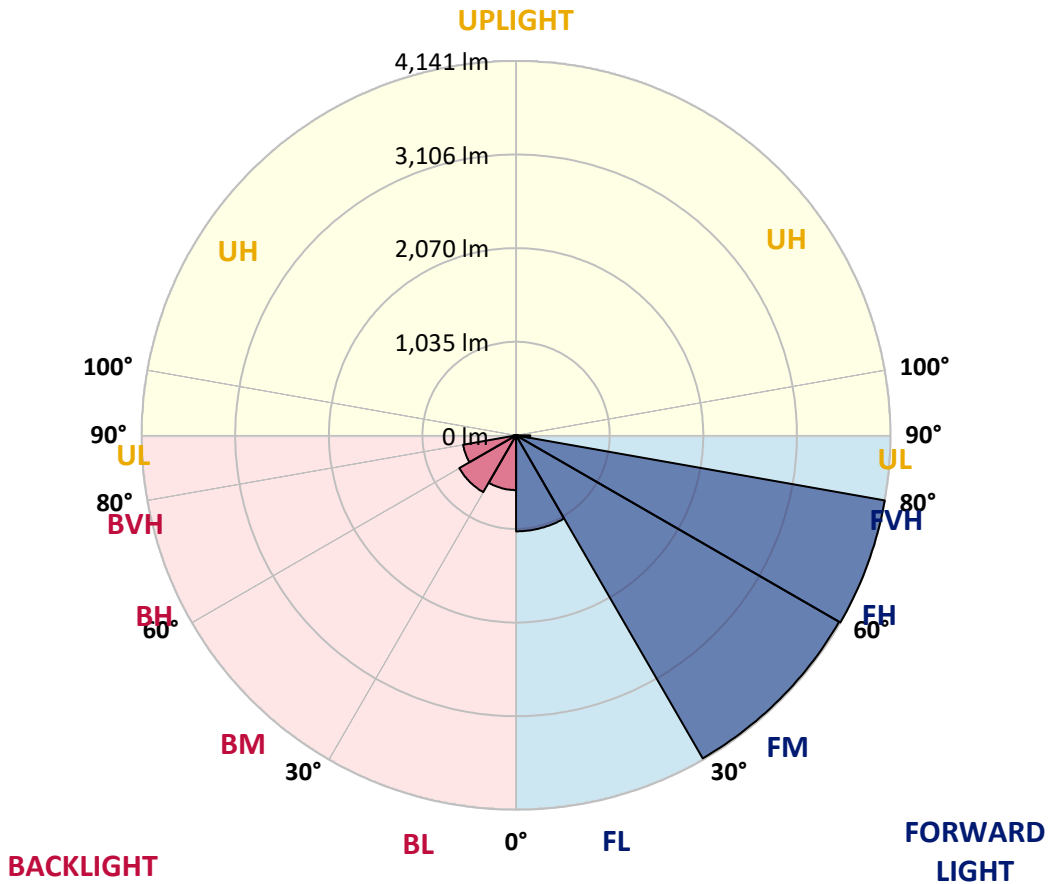
CATALOG NUMBER: GWS-SA2D-740-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1061.8	9.3			
FM (30°-60°)	4125.4	36.1			
FH (60°-80°)	4140.8	36.2			G2/5000
FVH (80°-90°)	155.9	1.4			G2/225
BL (0°-30°)	605.3	5.3	B2/1000		
BM (30°-60°)	725.4	6.3	B1/1000		
BH (60°-80°)	594.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	31.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7
2.5°	3121.4	3124.7	3133.9	3147.3	3160.7	3167.4	3184.1	3179.1	3175.8	3169.1	3160.7
5°	2983.3	2990.0	2998.3	3024.3	3053.6	3077.0	3114.7	3118.9	3120.5	3123.9	3110.5
7.5°	2807.5	2809.1	2829.2	2863.6	2902.1	2942.2	3005.0	3022.6	3037.7	3054.4	3043.5
10°	2613.3	2617.5	2632.5	2681.9	2748.0	2807.5	2892.0	2921.3	2953.1	2990.0	2974.9
12.5°	2454.2	2455.1	2479.4	2532.1	2604.1	2684.4	2789.9	2825.1	2866.9	2924.7	2911.3
15°	2327.8	2327.8	2350.4	2395.6	2478.5	2573.1	2698.7	2743.9	2800.8	2878.6	2855.2
17.5°	2227.4	2228.2	2242.5	2290.2	2363.8	2468.5	2617.5	2678.6	2741.3	2844.3	2809.1
20°	2174.7	2170.5	2173.0	2202.3	2265.1	2366.3	2536.3	2607.4	2692.0	2820.9	2767.3
22.5°	2172.2	2164.6	2153.7	2156.2	2193.1	2276.8	2449.2	2535.4	2641.7	2801.6	2724.6
25°	2214.8	2206.5	2187.2	2165.5	2162.1	2212.3	2367.2	2465.1	2589.8	2793.2	2683.6
27.5°	2286.8	2281.0	2255.9	2223.2	2188.9	2187.2	2305.2	2407.4	2552.2	2801.6	2654.3
30°	2382.3	2372.2	2356.3	2314.5	2262.6	2209.0	2281.0	2376.4	2527.1	2828.4	2641.7
32.5°	2490.2	2484.4	2469.3	2427.5	2372.2	2286.8	2300.2	2383.1	2527.1	2875.3	2644.3
35°	2604.9	2604.1	2604.1	2576.4	2515.3	2409.0	2376.4	2440.0	2565.6	2950.6	2671.0
37.5°	2716.2	2715.4	2742.2	2752.2	2682.8	2568.1	2506.1	2553.8	2650.1	3061.9	2737.2
40°	2806.6	2810.0	2868.6	2918.8	2880.3	2774.0	2686.9	2711.2	2787.4	3220.1	2852.7
42.5°	2897.9	2907.1	2995.0	3083.7	3098.8	3006.7	2918.8	2933.0	2984.1	3429.4	3025.1
45°	2997.5	3001.7	3124.7	3248.6	3321.4	3267.0	3195.0	3214.3	3226.0	3688.1	3282.1
47.5°	3093.7	3104.6	3263.7	3433.6	3571.7	3566.7	3526.5	3520.6	3523.2	4002.8	3585.9
50°	3225.2	3241.1	3427.7	3632.8	3835.4	3928.3	3940.0	3895.6	3877.2	4352.7	3964.3
52.5°	3474.6	3474.6	3642.0	3843.7	4115.8	4346.0	4424.7	4351.8	4293.2	4722.7	4366.1
55°	3786.8	3800.2	3933.3	4096.5	4441.4	4785.4	5051.6	4971.3	4805.5	5125.3	4787.1
57.5°	3925.8	3942.5	4153.5	4407.1	4867.5	5285.2	5654.3	5625.8	5383.9	5543.8	5224.0
60°	3674.7	3709.8	4000.3	4425.5	5253.3	6091.2	6351.6	6268.7	5923.0	5983.3	5697.8
62.5°	3065.3	3103.8	3426.1	4019.5	5199.8	6962.6	7450.6	7145.1	6596.0	6538.2	6329.0
65°	1829.0	1827.3	2214.8	3001.7	4539.3	7204.5	9190.0	8620.0	7635.6	7299.9	6978.5
67.5°	1162.7	1160.2	1241.3	1590.4	3020.9	6611.9	10308.3	10456.5	9047.7	7859.9	7032.1
70°	917.4	916.6	975.2	1134.2	1494.1	4705.1	9996.9	11022.3	9900.7	7646.5	6191.7
72.5°	668.8	670.5	760.9	950.1	1152.6	2362.2	8095.1	9431.1	9106.3	6750.0	5026.5
75°	480.5	483.0	537.4	727.4	1063.1	1291.6	5383.1	7091.5	6928.3	5410.7	3457.9
77.5°	305.5	308.9	356.6	509.8	858.8	1043.0	3263.7	5006.4	4609.7	3048.5	1229.6
80°	186.7	197.5	237.7	380.0	686.4	782.6	1631.4	2637.6	2308.6	836.2	413.5
82.5°	96.3	104.6	143.1	235.2	472.9	687.2	923.3	1108.3	714.8	349.9	220.1
85°	30.1	35.2	50.2	95.4	225.2	426.1	611.0	550.8	328.1	164.9	102.1
87.5°	7.5	7.5	8.4	8.4	9.2	19.3	118.0	124.7	87.1	51.9	41.9
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°	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7	3165.7
2.5°	3144.0	3123.9	3115.5	3114.7	3093.7	3063.6	3043.5	3029.3	3020.9	3019.3	3019.3
5°	3087.9	3061.9	3027.6	3001.7	2945.6	2888.7	2841.0	2814.2	2783.2	2779.0	2778.2
7.5°	3013.4	2975.7	2910.4	2837.6	2739.7	2645.1	2564.7	2510.3	2455.9	2445.9	2442.5
10°	2933.0	2882.0	2770.6	2642.6	2496.1	2354.6	2231.6	2135.3	2071.7	2026.5	2018.1
12.5°	2853.5	2785.7	2622.5	2431.6	2230.7	2037.4	1852.4	1695.0	1581.2	1515.1	1503.3
15°	2779.0	2684.4	2460.9	2217.4	1956.2	1691.7	1429.7	1225.4	1065.6	1008.6	995.3
17.5°	2711.2	2593.2	2304.4	1995.5	1669.9	1324.2	1026.2	844.6	750.8	722.4	715.7
20°	2643.4	2499.4	2145.4	1762.0	1366.1	978.5	750.0	664.6	629.5	618.6	615.2
22.5°	2570.6	2396.5	1972.1	1531.8	1058.9	732.4	613.6	575.9	565.0	565.8	565.0
25°	2497.8	2291.9	1790.5	1281.5	788.5	594.3	535.7	521.5	524.0	531.5	533.2
27.5°	2437.5	2198.9	1612.2	1007.0	616.1	511.4	483.8	483.0	492.2	502.2	503.9
30°	2394.0	2116.1	1436.4	774.3	507.3	454.5	443.6	448.7	459.5	467.1	469.6
32.5°	2363.0	2044.9	1248.9	608.5	444.5	414.3	409.3	414.3	421.0	428.6	430.2
35°	2352.1	1993.0	1064.7	496.4	401.8	385.0	381.7	384.2	387.6	391.7	393.4
37.5°	2376.4	1967.1	872.2	431.9	375.8	365.8	360.8	359.1	359.9	361.6	362.4
40°	2448.4	1978.8	714.8	394.3	359.1	349.9	341.5	338.2	337.3	339.0	338.2
42.5°	2572.3	2028.2	601.0	372.5	345.7	332.3	323.1	319.8	319.8	323.9	323.9
45°	2753.9	2125.3	519.0	356.6	334.0	317.2	307.2	305.5	308.9	315.6	316.4
47.5°	3020.1	2267.6	469.6	344.9	323.1	303.9	293.8	293.0	299.7	310.5	311.4
50°	3335.7	2472.7	442.8	336.5	315.6	293.0	282.9	283.8	291.3	303.0	305.5
52.5°	3715.7	2752.2	444.5	333.1	311.4	286.3	276.2	274.6	282.1	293.8	296.3
55°	4108.3	3092.1	477.1	334.0	305.5	282.9	269.5	263.7	270.4	278.7	279.6
57.5°	4540.2	3475.4	558.3	332.3	298.0	279.6	263.7	250.3	254.5	259.5	262.0
60°	5027.3	3926.6	733.3	335.7	294.6	272.0	252.0	234.4	233.5	236.9	237.7
62.5°	5678.6	4540.2	930.0	341.5	302.2	262.8	234.4	216.0	212.6	214.3	215.1
65°	6176.6	4833.1	868.0	336.5	318.1	256.1	217.6	198.4	191.7	190.0	190.0
67.5°	5974.0	4445.6	604.4	323.1	325.6	257.0	204.2	180.0	171.6	167.4	166.6
70°	5083.4	3611.0	420.2	309.7	317.2	255.3	190.0	164.9	154.0	148.2	147.3
72.5°	4016.2	2757.3	339.8	282.9	287.9	230.2	169.1	148.2	139.0	131.4	131.4
75°	2584.8	1682.5	283.8	252.0	235.2	179.1	146.5	132.3	123.0	115.5	115.5
77.5°	869.7	624.4	220.1	213.4	175.8	134.8	123.0	113.8	106.3	99.6	98.8
80°	353.2	296.3	161.6	161.6	123.0	103.0	96.3	92.1	87.1	78.7	78.7
82.5°	205.1	180.0	113.0	97.9	82.0	71.1	67.0	62.8	62.8	56.9	56.9
85°	98.8	99.6	67.8	60.3	46.9	41.0	39.3	36.8	36.0	32.6	31.8
87.5°	53.6	54.4	34.3	26.8	18.4	15.9	13.4	12.6	11.7	10.9	10.9
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)