

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: P634351

Luminaire Tested: GWS-SA3B-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634351
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-SA3B-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10425.1 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 68.3
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

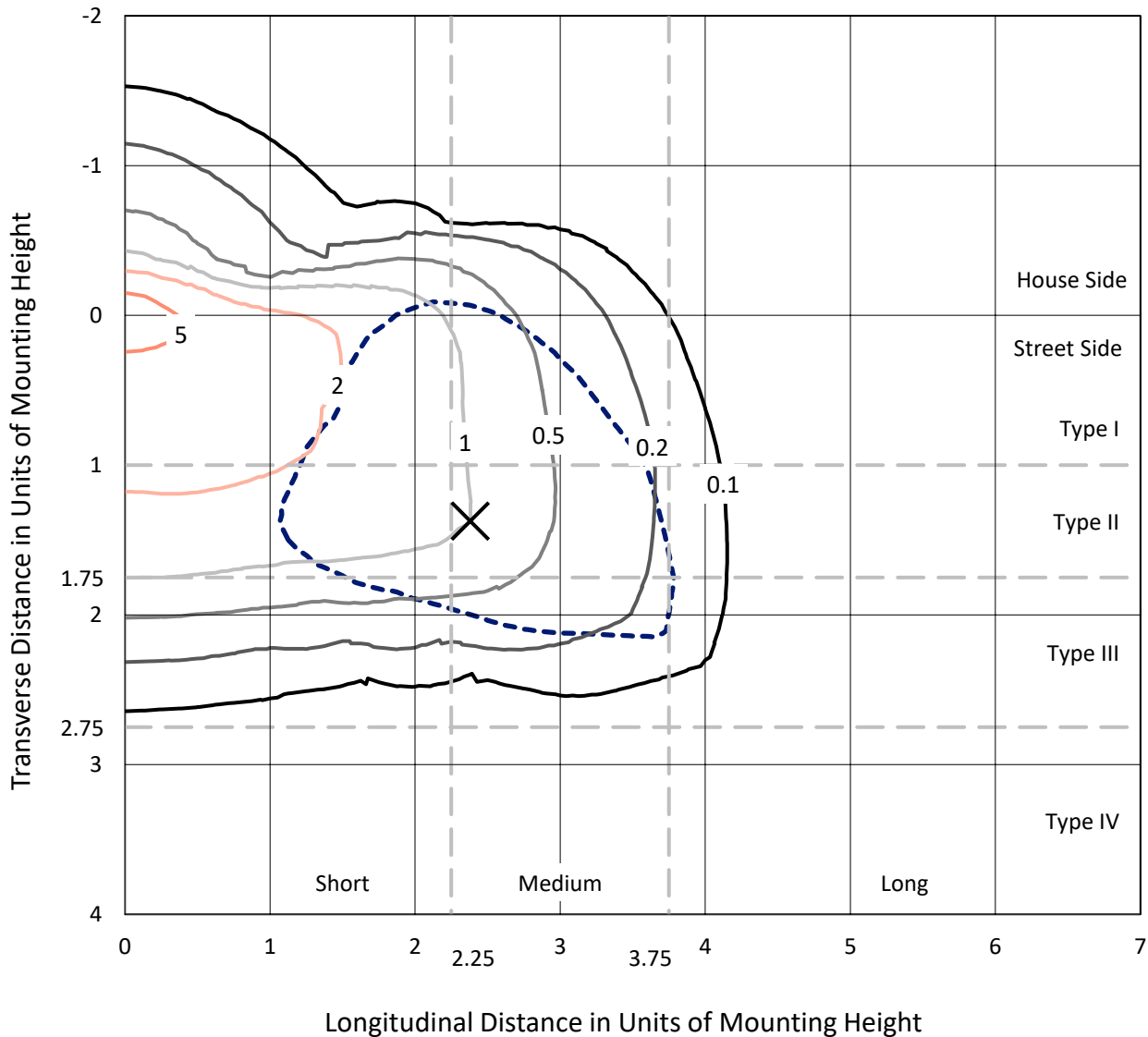


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Iso-Footcandle Lines of Horizontal Illumination

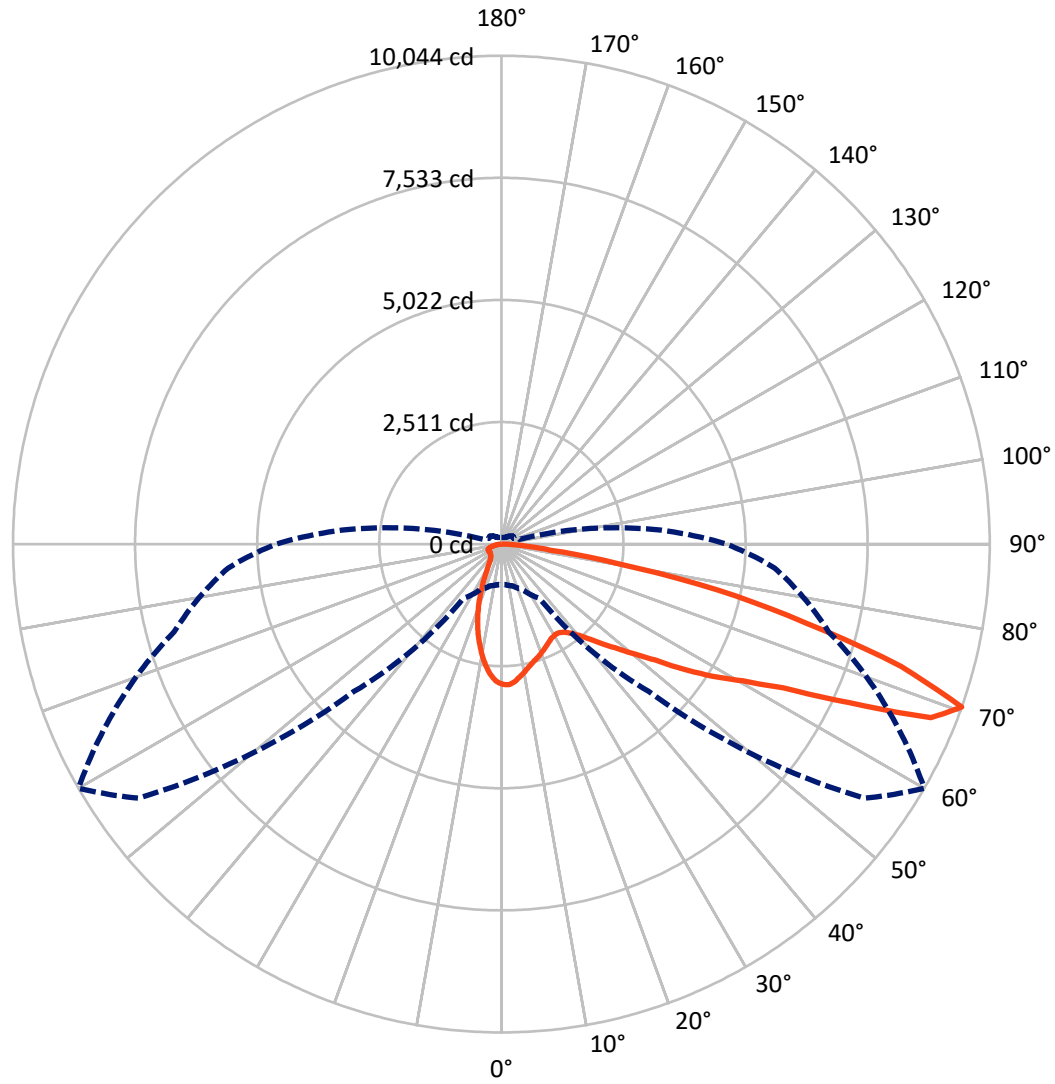
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 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	1782.9	0.0	1782.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	8642.2	0.0	8642.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	10425.1	0.0	10425.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.7	2.4
10°-20°	557.1	5.3
20°-30°	713.4	6.8
30°-40°	937.6	9.0
40°-50°	1360.3	13.0
50°-60°	2122.4	20.4
60°-70°	2778.6	26.7
70°-80°	1536.5	14.7
80°-90°	170.5	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°	10425.1	100.0
0°-180°	10425.1	100.0

Coefficient of Utilization



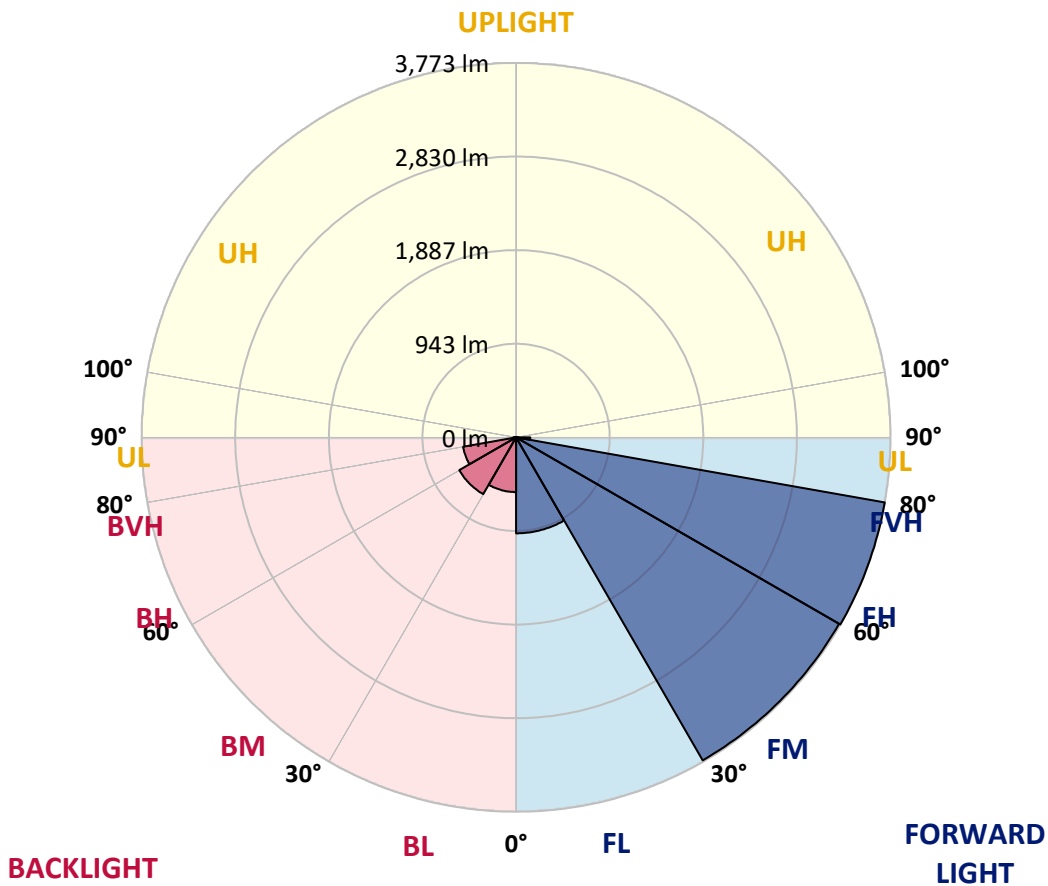
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	967.5	9.3			
FM (30°-60°)	3759.3	36.1			
FH (60°-80°)	3773.3	36.2			G2/5000
FVH (80°-90°)	142.1	1.4			G2/225
BL (0°-30°)	551.6	5.3	B2/1000		
BM (30°-60°)	661.1	6.3	B1/1000		
BH (60°-80°)	541.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.4	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°	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8
2.5°	2844.3	2847.4	2855.8	2868.0	2880.2	2886.3	2901.5	2897.0	2893.9	2887.8	2880.2
5°	2718.5	2724.6	2732.2	2755.9	2782.6	2803.9	2838.2	2842.0	2843.6	2846.6	2834.4
7.5°	2558.3	2559.8	2578.1	2609.4	2644.5	2681.1	2738.3	2754.3	2768.1	2783.3	2773.4
10°	2381.3	2385.2	2398.9	2443.9	2504.1	2558.3	2635.3	2662.0	2691.0	2724.6	2710.9
12.5°	2236.4	2237.2	2259.3	2307.4	2372.9	2446.2	2542.3	2574.3	2612.5	2665.1	2652.9
15°	2121.2	2121.2	2141.8	2183.0	2258.5	2344.7	2459.1	2500.3	2552.2	2623.1	2601.8
17.5°	2029.7	2030.5	2043.4	2086.9	2154.0	2249.4	2385.2	2440.8	2498.0	2591.9	2559.8
20°	1981.7	1977.8	1980.1	2006.8	2064.0	2156.3	2311.2	2376.0	2453.0	2570.5	2521.7
22.5°	1979.4	1972.5	1962.6	1964.9	1998.4	2074.7	2231.8	2310.4	2407.3	2553.0	2482.8
25°	2018.3	2010.6	1993.1	1973.3	1970.2	2016.0	2157.1	2246.3	2360.0	2545.3	2445.4
27.5°	2083.9	2078.5	2055.6	2025.9	1994.6	1993.1	2100.6	2193.7	2325.7	2553.0	2418.7
30°	2170.8	2161.7	2147.2	2109.0	2061.7	2012.9	2078.5	2165.5	2302.8	2577.4	2407.3
32.5°	2269.2	2263.9	2250.1	2212.0	2161.7	2083.9	2096.1	2171.6	2302.8	2620.1	2409.6
35°	2373.7	2372.9	2372.9	2347.8	2292.1	2195.2	2165.5	2223.4	2337.9	2688.7	2434.0
37.5°	2475.2	2474.4	2498.8	2508.0	2444.6	2340.1	2283.7	2327.2	2414.9	2790.2	2494.2
40°	2557.5	2560.6	2614.0	2659.7	2624.7	2527.8	2448.5	2470.6	2540.0	2934.3	2599.5
42.5°	2640.7	2649.1	2729.2	2810.0	2823.7	2739.8	2659.7	2672.7	2719.2	3125.0	2756.6
45°	2731.4	2735.3	2847.4	2960.3	3026.6	2977.1	2911.5	2929.0	2939.7	3360.7	2990.8
47.5°	2819.2	2829.1	2974.0	3128.8	3254.7	3250.1	3213.5	3208.2	3210.5	3647.5	3267.7
50°	2938.9	2953.4	3123.5	3310.4	3495.0	3579.6	3590.3	3549.9	3533.1	3966.4	3612.4
52.5°	3166.2	3166.2	3318.8	3502.6	3750.5	3960.3	4032.0	3965.6	3912.2	4303.5	3978.6
55°	3450.7	3462.9	3584.2	3732.9	4047.2	4360.7	4603.3	4530.0	4379.0	4670.4	4362.2
57.5°	3577.3	3592.6	3784.8	4015.9	4435.5	4816.1	5152.4	5126.5	4906.1	5051.8	4760.4
60°	3348.5	3380.6	3645.2	4032.7	4787.1	5550.6	5787.8	5712.3	5397.3	5452.2	5192.1
62.5°	2793.2	2828.3	3122.0	3662.8	4738.3	6344.6	6789.3	6510.9	6010.6	5957.9	5767.2
65°	1666.6	1665.1	2018.3	2735.3	4136.5	6565.1	8374.3	7854.9	6957.9	6652.0	6359.1
67.5°	1059.5	1057.2	1131.2	1449.2	2752.8	6025.0	9393.4	9528.4	8244.7	7162.3	6408.0
70°	836.0	835.2	888.6	1033.5	1361.5	4287.5	9109.6	10044.0	9021.9	6967.8	5642.1
72.5°	609.4	611.0	693.3	865.7	1050.3	2152.5	7376.7	8594.0	8298.1	6150.9	4580.4
75°	437.8	440.1	489.7	662.8	968.7	1176.9	4905.3	6462.1	6313.4	4930.5	3151.0
77.5°	278.4	281.5	324.9	464.5	782.6	950.4	2974.0	4562.1	4200.5	2778.0	1120.5
80°	170.1	180.0	216.6	346.3	625.5	713.2	1486.6	2403.5	2103.7	762.0	376.8
82.5°	87.7	95.3	130.4	214.3	431.0	626.2	841.3	1009.9	651.4	318.8	200.6
85°	27.5	32.0	45.8	87.0	205.2	388.2	556.8	501.9	299.0	150.3	93.1
87.5°	6.9	6.9	7.6	7.6	8.4	17.5	107.5	113.7	79.3	47.3	38.1
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°	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8	2884.8
2.5°	2864.9	2846.6	2839.0	2838.2	2819.2	2791.7	2773.4	2760.4	2752.8	2751.3	2751.3
5°	2813.8	2790.2	2758.9	2735.3	2684.2	2632.3	2588.8	2564.4	2536.2	2532.4	2531.6
7.5°	2745.9	2711.6	2652.1	2585.8	2496.5	2410.3	2337.1	2287.5	2237.9	2228.8	2225.7
10°	2672.7	2626.2	2524.7	2408.0	2274.6	2145.6	2033.5	1945.8	1887.8	1846.6	1839.0
12.5°	2600.3	2538.5	2389.7	2215.8	2032.8	1856.6	1688.0	1544.6	1440.9	1380.6	1369.9
15°	2532.4	2446.2	2242.5	2020.6	1782.6	1541.5	1302.8	1116.7	971.0	919.1	906.9
17.5°	2470.6	2363.0	2099.9	1818.4	1521.7	1206.7	935.1	769.6	684.2	658.3	652.2
20°	2408.8	2277.6	1955.0	1605.6	1244.8	891.7	683.4	605.6	573.6	563.7	560.6
22.5°	2342.4	2183.8	1797.1	1395.9	964.9	667.4	559.1	524.8	514.9	515.6	514.9
25°	2276.1	2088.4	1631.5	1167.8	718.5	541.6	488.2	475.2	477.5	484.4	485.9
27.5°	2221.2	2003.8	1469.1	917.6	561.4	466.0	440.9	440.1	448.5	457.7	459.2
30°	2181.5	1928.3	1308.9	705.6	462.2	414.2	404.3	408.8	418.8	425.6	427.9
32.5°	2153.3	1863.4	1138.0	554.5	405.0	377.6	373.0	377.6	383.7	390.5	392.1
35°	2143.4	1816.1	970.2	452.3	366.1	350.9	347.8	350.1	353.2	357.0	358.5
37.5°	2165.5	1792.5	794.8	393.6	342.5	333.3	328.7	327.2	328.0	329.5	330.3
40°	2231.1	1803.2	651.4	359.3	327.2	318.8	311.2	308.2	307.4	308.9	308.2
42.5°	2344.0	1848.2	547.7	339.4	315.0	302.8	294.4	291.4	291.4	295.2	295.2
45°	2509.5	1936.6	472.9	324.9	304.3	289.1	279.9	278.4	281.5	287.6	288.3
47.5°	2752.0	2066.3	427.9	314.3	294.4	276.9	267.7	267.0	273.1	283.0	283.7
50°	3039.6	2253.2	403.5	306.6	287.6	267.0	257.8	258.6	265.4	276.1	278.4
52.5°	3385.9	2508.0	405.0	303.6	283.7	260.9	251.7	250.2	257.1	267.7	270.0
55°	3743.6	2817.6	434.8	304.3	278.4	257.8	245.6	240.3	246.4	254.0	254.8
57.5°	4137.2	3167.0	508.8	302.8	271.5	254.8	240.3	228.1	231.9	236.5	238.7
60°	4581.1	3578.1	668.2	305.9	268.5	247.9	229.6	213.6	212.8	215.9	216.6
62.5°	5174.6	4137.2	847.4	311.2	275.4	239.5	213.6	196.8	193.7	195.3	196.0
65°	5628.4	4404.2	791.0	306.6	289.8	233.4	198.3	180.8	174.7	173.1	173.1
67.5°	5443.8	4051.0	550.7	294.4	296.7	234.2	186.1	164.0	156.4	152.6	151.8
70°	4632.2	3290.5	382.9	282.2	289.1	232.6	173.1	150.3	140.3	135.0	134.2
72.5°	3659.7	2512.5	309.7	257.8	262.4	209.8	154.1	135.0	126.6	119.8	119.8
75°	2355.4	1533.1	258.6	229.6	214.3	163.2	133.5	120.5	112.1	105.3	105.3
77.5°	792.5	569.0	200.6	194.5	160.2	122.8	112.1	103.7	96.9	90.8	90.0
80°	321.9	270.0	147.2	147.2	112.1	93.8	87.7	83.9	79.3	71.7	71.7
82.5°	186.9	164.0	103.0	89.2	74.8	64.8	61.0	57.2	57.2	51.9	51.9
85°	90.0	90.8	61.8	54.9	42.7	37.4	35.8	33.6	32.8	29.7	29.0
87.5°	48.8	49.6	31.3	24.4	16.8	14.5	12.2	11.4	10.7	9.9	9.9
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)