

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: P635867

Luminaire Tested: GWS-SA3E-750-U-T4W-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-T4W-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22302.8 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

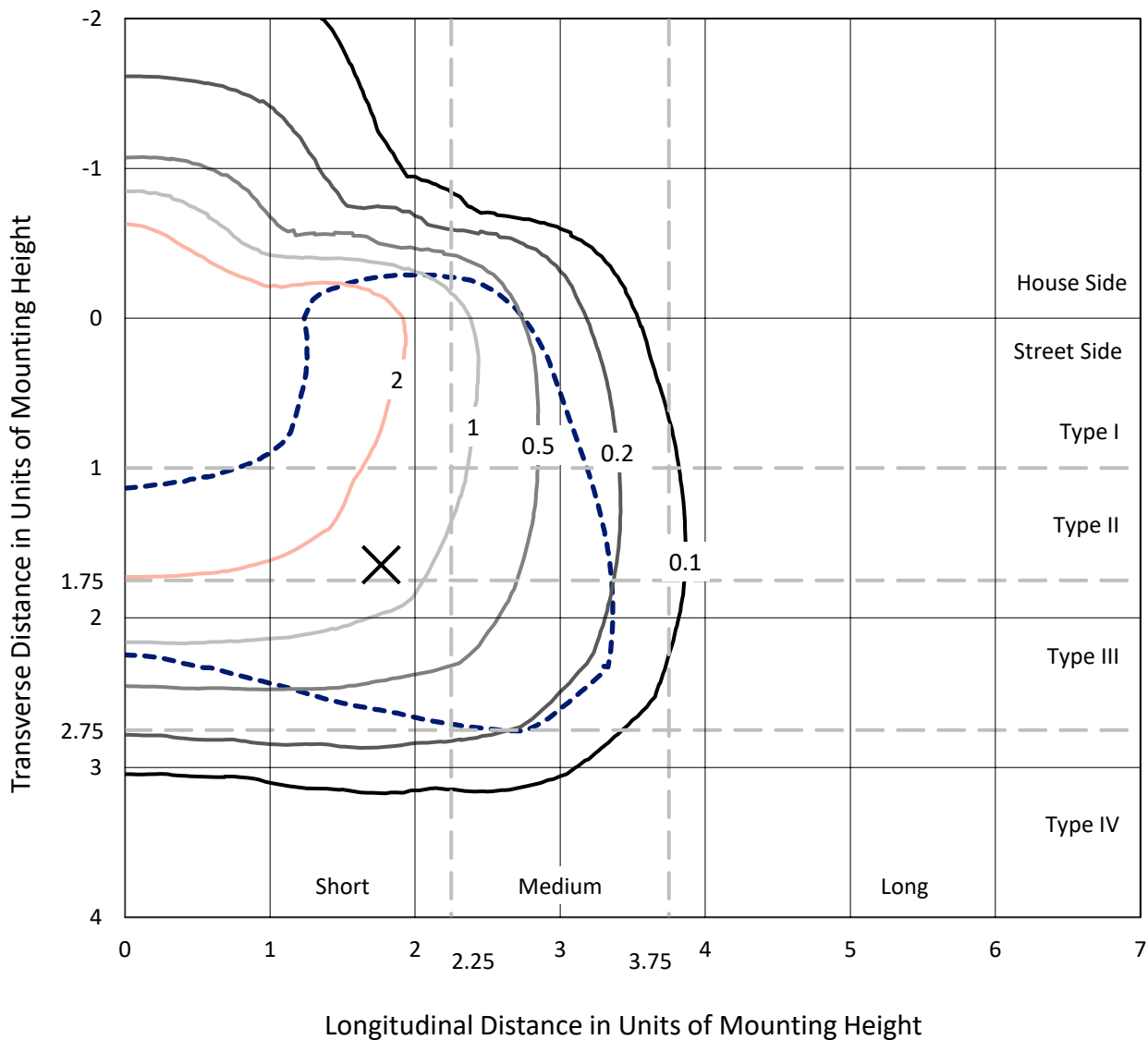
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

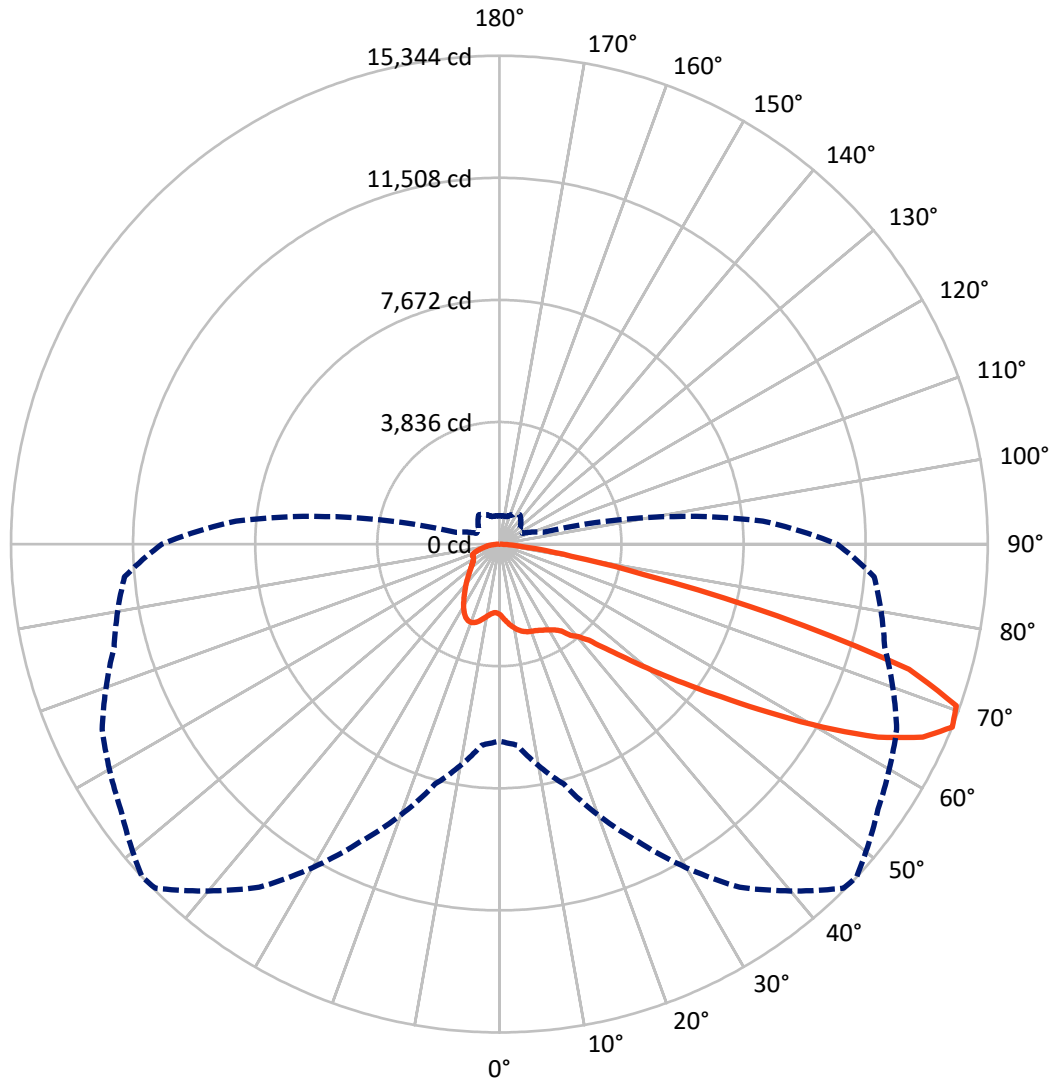
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5083.0	0.0	5083.0
	% Fixture	22.8	0.0	22.8
Street Side	Lumens	17219.8	0.0	17219.8
	% Fixture	77.2	0.0	77.2
Total	Lumens	22302.8	0.0	22302.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	1.0
10°-20°	752.8	3.4
20°-30°	1279.6	5.7
30°-40°	1874.4	8.4
40°-50°	2855.9	12.8
50°-60°	5109.9	22.9
60°-70°	6818.6	30.6
70°-80°	3083.5	13.8
80°-90°	302.1	1.4
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°	22302.8	100.0
0°-180°	22302.8	100.0

Coefficient of Utilization



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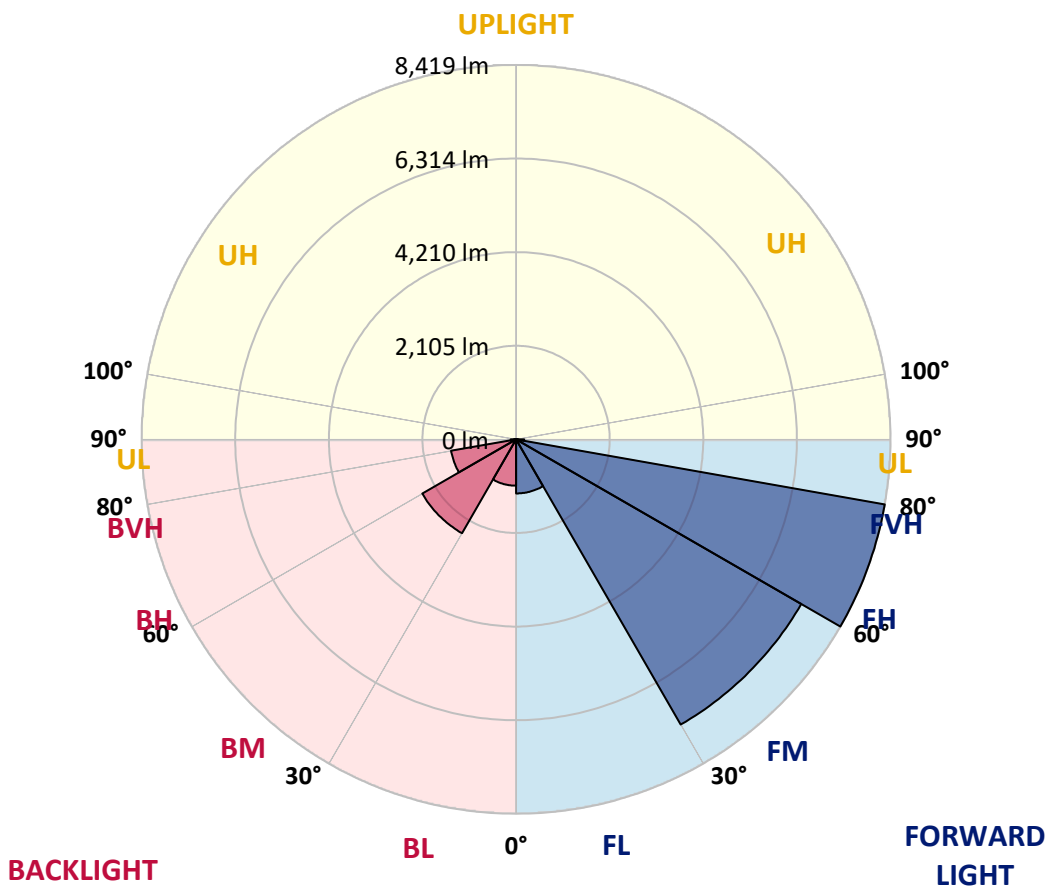
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1216.3	5.5			
FM (30°-60°)	7404.8	33.2			
FH (60°-80°)	8419.1	37.7			G4/12000
FVH (80°-90°)	179.7	0.8			G2/225
BL (0°-30°)	1042.0	4.7	B3/2500		
BM (30°-60°)	2435.5	10.9	B2/2500		
BH (60°-80°)	1483.1	6.6	B3/2500		G3/2500
BVH (80°-90°)	122.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9
2.5°	2357.7	2365.7	2364.1	2351.2	2343.1	2328.6	2330.2	2307.7	2273.8	2251.2	2225.4
5°	2565.7	2578.6	2562.5	2541.5	2509.2	2462.5	2457.6	2406.0	2341.5	2296.4	2249.6
7.5°	2746.3	2754.4	2735.0	2699.5	2652.8	2589.9	2578.6	2517.3	2436.7	2365.7	2298.0
10°	2886.6	2896.3	2870.5	2823.7	2762.4	2699.5	2691.5	2628.6	2543.1	2459.3	2373.8
12.5°	3005.9	3009.2	2981.7	2918.9	2852.7	2788.2	2780.2	2722.1	2643.1	2557.6	2464.1
15°	3075.3	3076.9	3043.0	2973.7	2910.8	2854.4	2849.5	2799.5	2727.0	2646.3	2546.3
17.5°	3070.4	3073.7	3049.5	2988.2	2933.4	2899.5	2894.7	2862.4	2806.0	2733.4	2633.4
20°	3010.8	3014.0	2997.9	2957.6	2928.5	2918.9	2920.5	2910.8	2876.9	2817.3	2715.7
22.5°	2964.0	2968.8	2954.3	2925.3	2922.1	2944.7	2949.5	2954.3	2938.2	2885.0	2786.6
25°	2986.6	2994.7	2972.1	2931.8	2938.2	2988.2	2997.9	3014.0	3001.1	2955.9	2870.5
27.5°	3143.0	3147.9	3089.8	3007.6	2988.2	3041.4	3055.9	3081.7	3072.1	3030.1	2964.0
30°	3505.9	3502.6	3378.5	3176.9	3096.2	3117.2	3128.5	3165.6	3168.8	3141.4	3078.5
32.5°	4017.1	4000.9	3809.0	3488.1	3254.3	3202.7	3215.6	3265.6	3302.7	3273.6	3188.2
35°	4557.3	4542.8	4331.5	3955.8	3546.2	3367.2	3352.7	3391.4	3447.8	3367.2	3244.6
37.5°	5071.7	5049.1	4833.0	4368.6	3905.8	3655.8	3634.9	3596.2	3562.3	3407.5	3314.0
40°	5642.6	5616.8	5428.1	4902.4	4302.5	3876.8	3823.5	3670.3	3639.7	3541.3	3494.6
42.5°	6252.2	6252.2	6095.7	5578.1	4781.4	4192.8	4123.5	3892.9	3925.1	3860.6	3805.8
45°	6861.7	6879.5	6755.3	6258.6	5421.7	4789.5	4678.2	4350.9	4428.3	4399.2	4371.8
47.5°	7381.0	7414.9	7390.7	6953.7	6205.4	5515.2	5345.9	5005.6	5171.7	5241.0	5318.4
50°	7940.6	7977.7	7953.5	7780.9	7123.0	6394.1	6242.5	5890.9	6176.4	6384.4	6637.6
52.5°	8771.1	8824.3	8622.7	8556.6	8237.3	7392.3	7256.8	6856.9	7374.5	7719.7	8284.1
55°	9472.6	9471.0	9400.0	9551.6	9433.9	8613.0	8463.1	8100.2	8761.4	9127.5	9953.1
57.5°	9798.3	9837.0	10080.5	10509.5	10744.9	10104.7	9961.2	9590.3	10249.9	10440.2	11331.9
60°	9966.0	10014.4	10485.3	11333.6	11967.3	11733.5	11677.0	11204.5	11575.4	11552.9	12494.6
62.5°	9730.6	9827.4	10583.7	11710.9	12839.7	13370.3	13352.6	12638.2	12702.7	12481.7	13215.5
65°	8650.1	8755.0	9941.9	11522.2	13338.0	14615.2	14620.1	13936.3	13568.7	12933.3	13094.5
67.5°	6186.0	6336.0	7803.5	10309.5	13162.3	15287.7	15344.2	14524.9	13771.8	12533.3	11823.8
70°	3372.0	3481.7	4631.5	7493.9	11578.7	15126.5	15231.3	14241.1	12875.2	10841.7	9101.7
72.5°	1532.0	1567.5	2154.5	4112.2	7909.9	13020.4	13459.0	12709.1	10574.0	8008.3	5787.7
75°	701.5	717.6	938.5	1967.4	4133.2	8713.0	9021.0	9466.1	7358.4	5057.2	3017.2
77.5°	440.2	445.1	533.8	899.8	2060.9	4349.3	4673.4	5636.1	4308.9	2502.8	1261.1
80°	259.6	264.5	332.2	487.0	967.6	1990.0	2298.0	2228.7	2025.5	1080.5	574.1
82.5°	130.6	135.5	191.9	277.4	527.3	791.8	932.1	936.9	754.7	585.4	324.1
85°	46.8	48.4	62.9	109.7	224.2	261.2	291.9	356.4	369.3	340.3	156.4
87.5°	0.0	0.0	1.6	3.2	6.5	25.8	27.4	51.6	108.0	120.9	62.9
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°	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9	2210.9
2.5°	2217.4	2193.2	2185.1	2177.0	2164.1	2159.3	2149.6	2140.0	2140.0	2130.3	2125.4
5°	2228.7	2196.4	2175.4	2165.8	2157.7	2162.5	2162.5	2165.8	2177.0	2170.6	2173.8
7.5°	2269.0	2231.9	2202.9	2194.8	2194.8	2214.1	2227.0	2243.2	2264.1	2267.4	2267.4
10°	2339.9	2296.4	2265.7	2260.9	2269.0	2296.4	2315.7	2335.1	2360.9	2362.5	2365.7
12.5°	2417.3	2373.8	2343.1	2349.6	2357.7	2393.1	2414.1	2430.2	2456.0	2456.0	2454.4
15°	2498.0	2449.6	2423.8	2436.7	2460.9	2501.2	2504.4	2506.0	2518.9	2515.7	2514.1
17.5°	2581.8	2530.2	2510.9	2530.2	2556.0	2575.4	2559.2	2536.7	2531.8	2525.4	2522.2
20°	2664.1	2610.8	2602.8	2617.3	2625.4	2609.2	2559.2	2517.3	2498.0	2488.3	2485.1
22.5°	2735.0	2689.9	2685.0	2685.0	2644.7	2588.3	2514.1	2457.6	2431.8	2418.9	2415.7
25°	2818.9	2776.9	2768.9	2725.3	2622.1	2518.9	2418.9	2367.3	2346.4	2339.9	2341.5
27.5°	2917.2	2888.2	2862.4	2738.2	2557.6	2396.4	2283.5	2260.9	2252.8	2260.9	2265.7
30°	3038.2	3009.2	2951.1	2722.1	2454.4	2236.7	2128.7	2127.1	2151.2	2172.2	2175.4
32.5°	3136.6	3123.7	3028.5	2670.5	2309.3	2060.9	1969.0	1975.5	2019.0	2048.0	2052.9
35°	3214.0	3234.9	3093.0	2585.0	2136.7	1894.8	1822.3	1825.5	1849.7	1890.0	1891.6
37.5°	3323.6	3394.6	3151.1	2454.4	1938.4	1751.3	1685.2	1661.0	1657.8	1669.1	1672.3
40°	3544.6	3651.0	3193.0	2264.1	1746.5	1622.3	1548.1	1501.4	1461.0	1430.4	1420.7
42.5°	3878.4	4000.9	3217.2	2033.5	1575.5	1494.9	1411.0	1351.4	1280.4	1215.9	1193.3
45°	4491.2	4531.5	3217.2	1788.4	1424.0	1375.6	1291.7	1220.8	1130.5	1054.7	1038.5
47.5°	5471.6	5342.6	3220.4	1551.3	1290.1	1270.8	1198.2	1117.6	1017.6	954.7	945.0
50°	6948.8	6495.7	3286.5	1354.6	1178.8	1182.1	1128.8	1040.1	949.8	903.1	895.0
52.5°	8622.7	7916.4	3463.9	1209.5	1085.3	1109.5	1080.5	995.0	914.4	874.0	866.0
55°	10196.6	9222.6	3615.5	1106.3	1006.3	1048.2	1046.6	967.6	895.0	854.7	849.9
57.5°	11535.1	10117.6	3592.9	1022.4	938.5	991.8	1016.0	949.8	882.1	848.2	843.4
60°	12367.2	10591.7	3272.0	945.0	886.9	951.5	998.2	945.0	888.6	880.5	882.1
62.5°	12728.5	10504.7	2656.0	886.9	853.1	932.1	1017.6	978.9	948.2	967.6	978.9
65°	12167.3	9756.4	1954.5	843.4	820.8	936.9	1062.7	1032.1	948.2	961.1	966.0
67.5°	10609.5	8305.0	1412.7	799.9	780.5	951.5	1127.2	1024.0	893.4	893.4	883.7
70°	7645.5	5973.2	1025.6	756.3	740.2	930.5	1130.5	969.2	830.5	825.7	801.5
72.5°	4600.8	3523.6	799.9	707.9	678.9	825.7	1059.5	904.7	769.2	728.9	699.9
75°	2389.9	1765.8	670.9	654.7	582.2	699.9	969.2	804.7	658.0	622.5	606.3
77.5°	1024.0	825.7	575.7	583.8	483.8	588.6	782.1	696.7	583.8	538.6	524.1
80°	504.8	469.3	454.8	467.7	387.0	454.8	674.1	609.6	495.1	443.5	422.5
82.5°	288.7	274.1	327.4	332.2	275.8	380.6	569.3	516.0	409.6	353.2	319.3
85°	133.8	143.5	198.4	200.0	170.9	261.2	372.5	290.3	217.7	180.6	172.6
87.5°	53.2	62.9	87.1	85.5	50.0	48.4	32.3	17.7	14.5	12.9	11.3
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)