

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: P641497

Luminaire Tested: GWS-SA6B-722-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15325.6 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

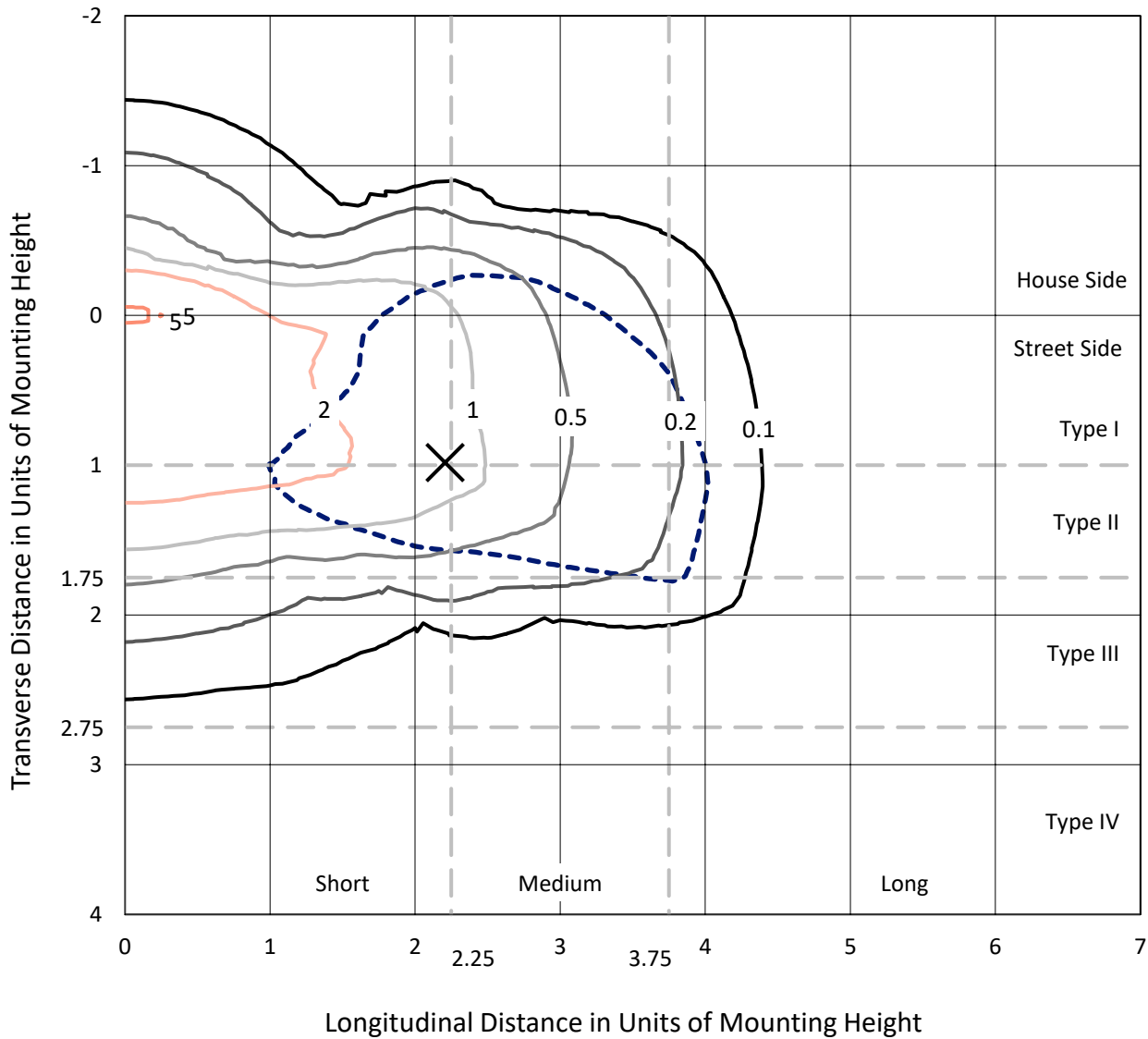
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

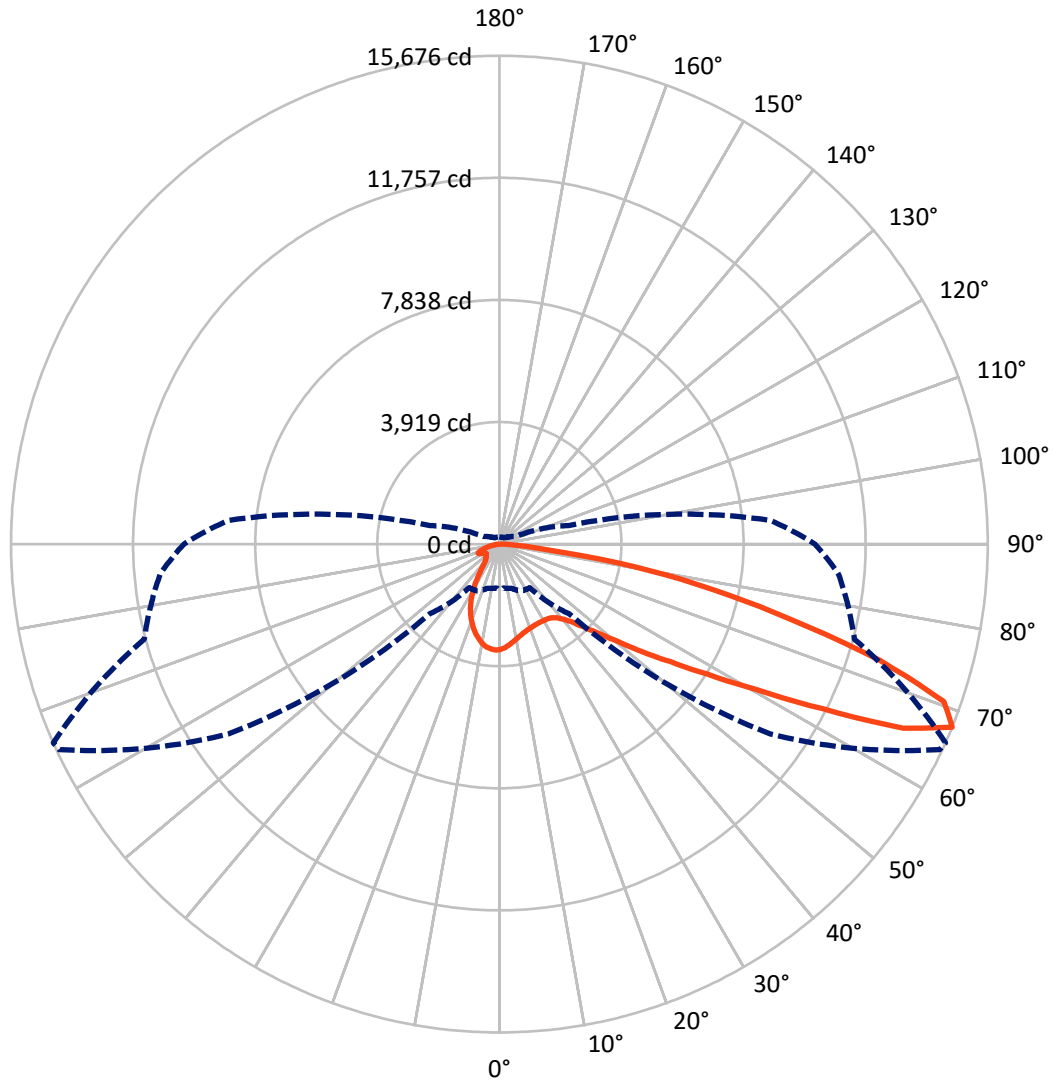
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3109.9	0.0	3109.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	12215.7	0.0	12215.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	15325.6	0.0	15325.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.2	1.9
10°-20°	730.4	4.8
20°-30°	1004.0	6.6
30°-40°	1372.6	9.0
40°-50°	2079.9	13.6
50°-60°	3233.2	21.1
60°-70°	3936.4	25.7
70°-80°	2397.9	15.6
80°-90°	273.9	1.8
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°	15325.6	100.0
0°-180°	15325.6	100.0

Coefficient of Utilization



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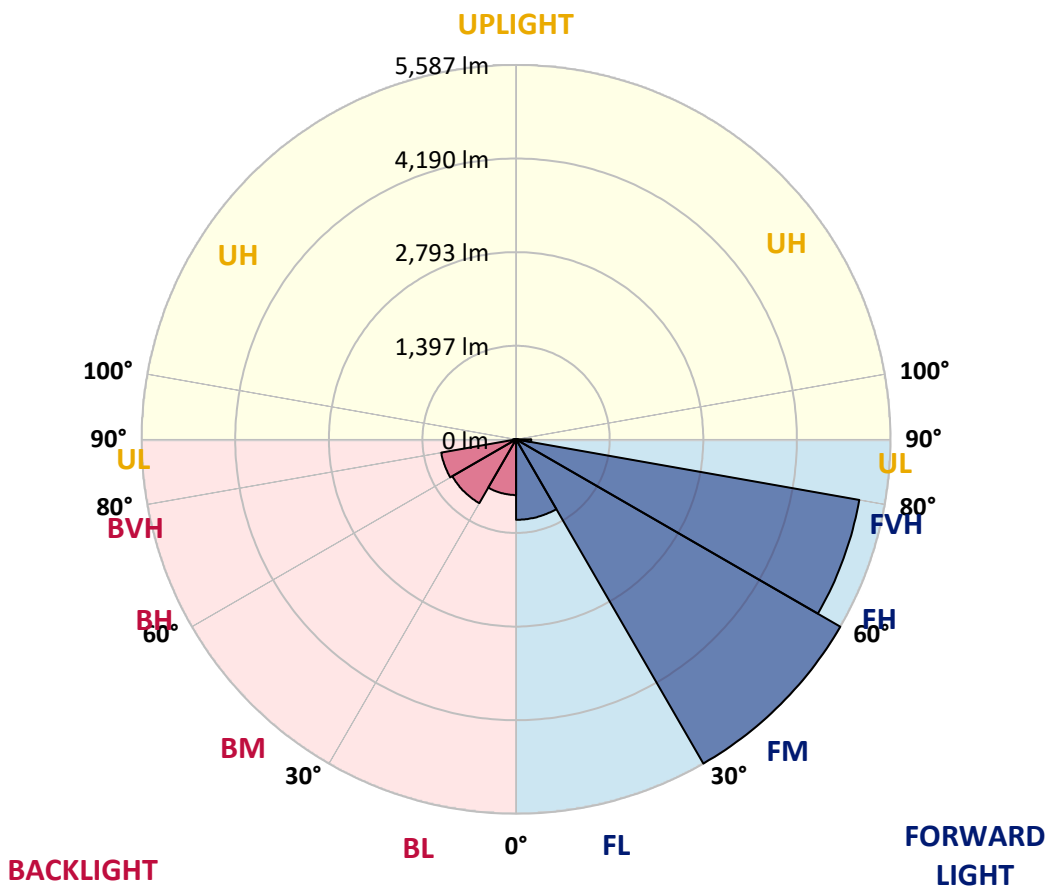
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1200.8	7.8			
FM (30°-60°)	5586.8	36.5			
FH (60°-80°)	5200.4	33.9			G3/7500
FVH (80°-90°)	227.7	1.5			G3/500
BL (0°-30°)	830.8	5.4	B2/1000		
BM (30°-60°)	1099.0	7.2	B2/2500		
BH (60°-80°)	1133.9	7.4	B3/2500		G3/2500
BVH (80°-90°)	46.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5
2.5°	3171.9	3183.0	3176.3	3218.8	3221.1	3274.7	3304.9	3330.6	3332.9	3366.4	3388.8
5°	2955.0	2961.7	2961.7	3001.9	3028.8	3100.3	3169.6	3243.4	3249.0	3329.5	3391.0
7.5°	2779.4	2786.1	2781.7	2835.3	2870.0	2949.4	3037.7	3150.6	3161.8	3291.5	3398.8
10°	2641.9	2639.7	2650.9	2700.1	2744.8	2839.8	2938.2	3066.8	3083.5	3247.9	3407.8
12.5°	2548.0	2550.2	2556.9	2608.4	2656.4	2750.4	2852.1	2991.9	3009.7	3197.6	3403.3
15°	2503.3	2498.8	2504.4	2551.4	2597.2	2679.9	2785.0	2929.2	2947.1	3152.9	3404.4
17.5°	2493.2	2489.9	2488.7	2522.3	2556.9	2634.1	2734.7	2881.2	2900.2	3123.8	3411.1
20°	2524.5	2520.0	2507.7	2522.3	2536.8	2601.7	2698.9	2846.5	2867.8	3104.8	3424.5
22.5°	2610.6	2602.8	2583.8	2565.9	2546.9	2586.0	2676.6	2820.8	2842.0	3092.5	3438.0
25°	2741.4	2734.7	2714.6	2674.3	2605.0	2598.3	2672.1	2809.6	2830.9	3083.5	3443.5
27.5°	2921.4	2911.4	2891.2	2833.1	2720.2	2644.1	2688.9	2808.5	2828.6	3073.5	3438.0
30°	3135.0	3128.3	3117.1	3046.6	2895.7	2741.4	2726.9	2817.4	2833.1	3067.9	3426.8
32.5°	3351.9	3345.2	3354.1	3320.6	3135.0	2902.4	2809.6	2842.0	2853.2	3066.8	3416.7
35°	3543.0	3550.9	3615.7	3621.3	3439.1	3120.4	2940.4	2899.1	2901.3	3089.1	3421.2
37.5°	3743.2	3773.4	3858.3	3931.0	3779.0	3408.9	3135.0	3006.4	3004.2	3146.1	3449.1
40°	4008.1	4021.6	4130.0	4266.4	4171.4	3804.7	3411.1	3181.9	3166.3	3262.4	3524.0
42.5°	4266.4	4298.8	4472.1	4628.7	4597.4	4250.8	3758.8	3444.7	3416.7	3468.1	3678.3
45°	4595.1	4626.4	4821.0	5022.2	5079.2	4755.0	4203.8	3818.1	3790.1	3777.8	3961.2
47.5°	4923.8	4956.2	5130.7	5421.3	5621.5	5385.6	4782.9	4311.1	4265.3	4217.2	4388.3
50°	5145.2	5183.2	5349.8	5698.6	6168.2	6172.7	5469.4	4957.4	4899.2	4823.2	4989.8
52.5°	5137.4	5162.0	5320.7	5723.2	6561.7	7077.2	6388.4	5780.2	5733.3	5567.8	5713.1
55°	4733.8	4770.6	4930.5	5433.6	6604.2	7934.7	7739.0	6750.7	6666.8	6370.6	6530.4
57.5°	3923.2	3954.5	4115.5	4736.0	6227.4	8374.1	9454.1	7987.2	7872.1	7244.9	7429.3
60°	2961.7	2923.7	2999.7	3543.0	5326.3	8385.2	10967.9	9664.3	9472.0	8179.5	8333.8
62.5°	2222.6	2184.6	2201.4	2354.6	3611.2	7707.7	11831.0	11958.5	11641.0	9235.0	9204.8
65°	1756.4	1735.2	1783.3	1888.4	2105.3	5869.7	11837.7	14439.4	14239.3	10458.1	10098.1
67.5°	1431.1	1417.7	1466.9	1661.4	1707.2	3154.0	10614.6	15597.7	15675.9	11797.5	10926.5
70°	1152.7	1132.6	1209.7	1465.7	1587.6	1908.5	7603.7	15007.4	15133.7	12595.8	10692.9
72.5°	796.0	797.2	836.3	1187.4	1532.8	1648.0	4301.1	12496.3	12770.2	11872.4	9400.4
75°	536.7	541.1	552.3	783.7	1412.1	1598.8	2292.0	9460.8	9654.2	9813.0	7770.3
77.5°	324.2	326.5	352.2	474.0	973.8	1492.6	1552.9	6858.0	7010.1	6468.9	4816.5
80°	187.8	195.7	219.1	317.5	657.4	1121.4	1201.9	4204.9	4377.1	2875.6	1530.6
82.5°	82.7	88.3	119.6	184.5	383.5	953.7	938.0	1661.4	1636.8	801.6	531.1
85°	14.5	17.9	25.7	58.1	140.9	503.1	727.8	733.4	689.8	304.1	220.3
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	109.6	196.8	195.7	86.1	76.0
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°	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5	3386.5
2.5°	3403.3	3373.1	3399.9	3403.3	3397.7	3393.2	3359.7	3330.6	3327.3	3296.0	3296.0
5°	3415.6	3387.6	3401.1	3375.3	3335.1	3293.7	3222.2	3173.0	3150.6	3110.4	3110.4
7.5°	3432.4	3403.3	3387.6	3323.9	3230.0	3139.4	3024.3	2928.1	2889.0	2832.0	2829.7
10°	3448.0	3411.1	3357.5	3233.4	3083.5	2939.3	2771.6	2635.2	2542.4	2474.2	2474.2
12.5°	3446.9	3398.8	3292.6	3109.3	2902.4	2693.3	2469.7	2264.0	2141.0	2034.8	2028.1
15°	3444.7	3378.7	3209.9	2965.0	2691.1	2401.5	2097.4	1829.1	1646.9	1542.9	1533.9
17.5°	3442.4	3353.0	3117.1	2800.7	2434.0	2039.3	1637.9	1347.2	1195.2	1131.4	1133.7
20°	3442.4	3323.9	3017.6	2611.7	2137.7	1605.5	1201.9	990.6	952.6	955.9	959.3
22.5°	3432.4	3288.1	2906.9	2406.0	1807.9	1180.6	886.6	815.0	835.2	866.5	870.9
25°	3408.9	3228.9	2778.3	2177.9	1415.4	859.8	723.4	710.0	746.8	786.0	797.2
27.5°	3372.0	3160.7	2634.1	1910.7	1042.0	690.9	636.2	635.0	664.1	693.2	703.2
30°	3332.9	3084.7	2482.0	1613.3	754.7	601.5	580.3	580.3	594.8	612.7	610.4
32.5°	3287.0	3007.5	2318.8	1303.6	614.9	551.2	544.5	541.1	543.4	550.1	550.1
35°	3247.9	2939.3	2151.1	976.0	551.2	523.2	516.5	508.7	505.4	500.9	503.1
37.5°	3233.4	2885.6	1977.8	735.7	519.9	503.1	491.9	480.8	472.9	470.7	469.6
40°	3256.8	2863.3	1804.5	606.0	497.5	481.9	469.6	455.0	448.3	448.3	448.3
42.5°	3348.5	2880.1	1627.9	547.8	481.9	464.0	446.1	432.7	430.4	432.7	433.8
45°	3516.2	2944.9	1444.5	518.8	468.5	446.1	424.9	414.8	414.8	417.0	417.0
47.5°	3815.8	3114.8	1263.4	500.9	455.0	431.6	409.2	399.1	398.0	400.3	400.3
50°	4334.6	3421.2	1100.1	488.6	445.0	420.4	398.0	384.6	381.2	380.1	380.1
52.5°	4988.7	3952.2	996.2	479.6	432.7	408.1	385.7	367.8	361.1	357.8	357.8
55°	5779.1	4660.0	996.2	472.9	417.0	393.5	367.8	349.9	339.9	335.4	335.4
57.5°	6674.7	5484.0	1168.3	467.3	404.7	376.8	348.8	330.9	319.8	313.0	313.0
60°	7585.9	6354.9	1594.3	459.5	393.5	355.5	327.6	310.8	296.3	288.5	287.3
62.5°	8530.6	7314.2	2155.6	464.0	385.7	335.4	305.2	286.2	273.9	266.1	265.0
65°	9396.0	8227.6	2646.4	498.6	386.8	317.5	279.5	262.7	252.7	242.6	241.5
67.5°	10130.5	8731.8	2302.0	569.1	410.3	296.3	253.8	237.0	228.1	221.4	220.3
70°	9616.2	7962.6	1305.9	612.7	442.7	273.9	224.7	213.5	204.6	200.1	199.0
72.5°	8223.1	6741.7	873.2	541.1	403.6	244.8	197.9	188.9	182.2	176.6	175.5
75°	6661.2	5346.4	667.5	443.9	314.2	199.0	169.9	163.2	156.5	150.9	149.8
77.5°	3941.1	3089.1	491.9	351.1	221.4	155.4	140.9	135.3	128.6	124.1	123.0
80°	1257.8	1073.3	311.9	241.5	146.5	119.6	108.4	104.0	97.3	91.7	90.6
82.5°	479.6	414.8	165.5	123.0	97.3	81.6	72.7	68.2	63.7	58.1	57.0
85°	212.4	199.0	91.7	66.0	52.5	40.2	35.8	33.5	28.0	23.5	22.4
87.5°	74.9	74.9	39.1	19.0	11.2	5.6	3.4	1.1	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)