

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: P635552

Luminaire Tested: GWS-SA3E-722-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-51)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14279.9 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

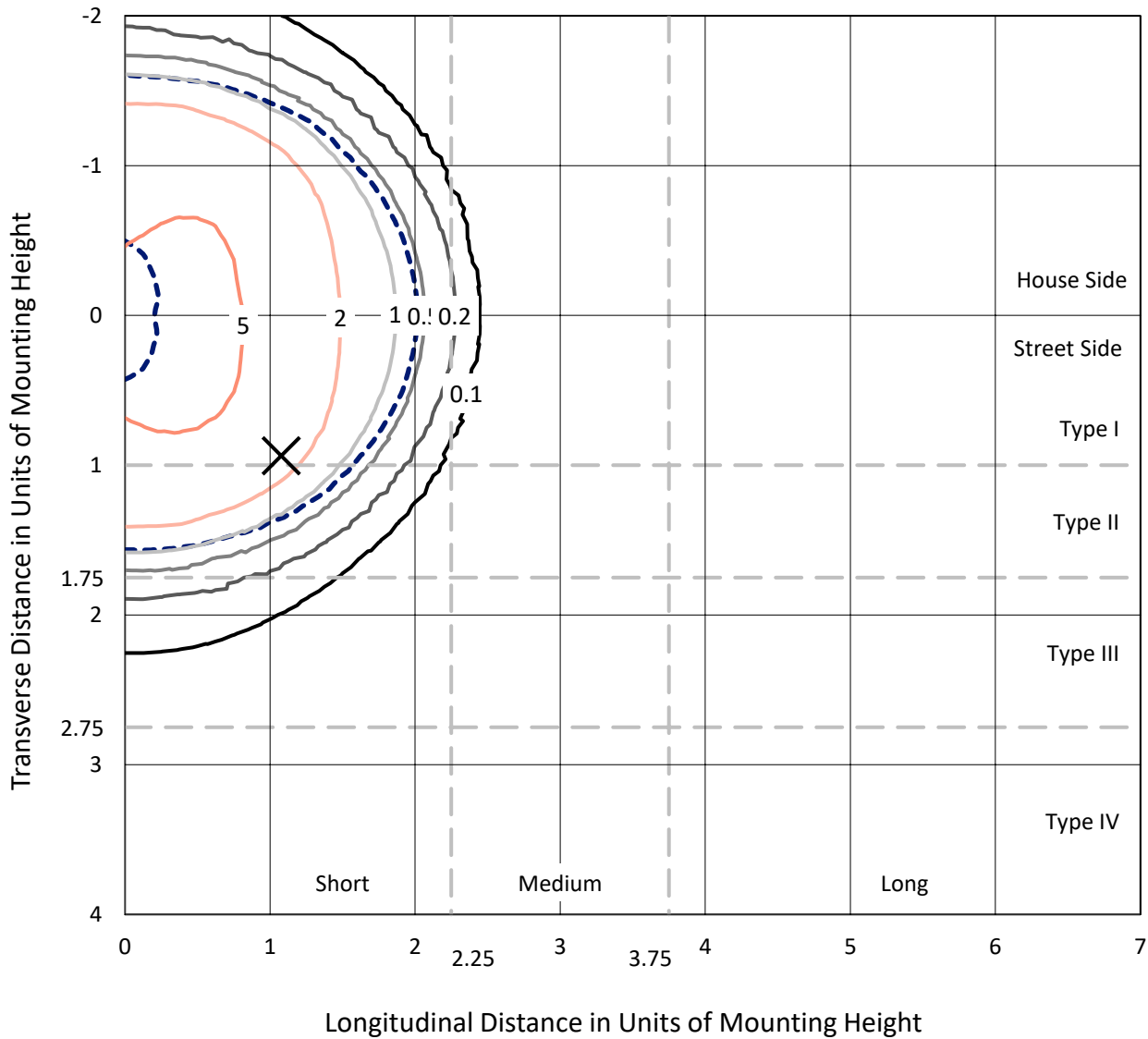
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

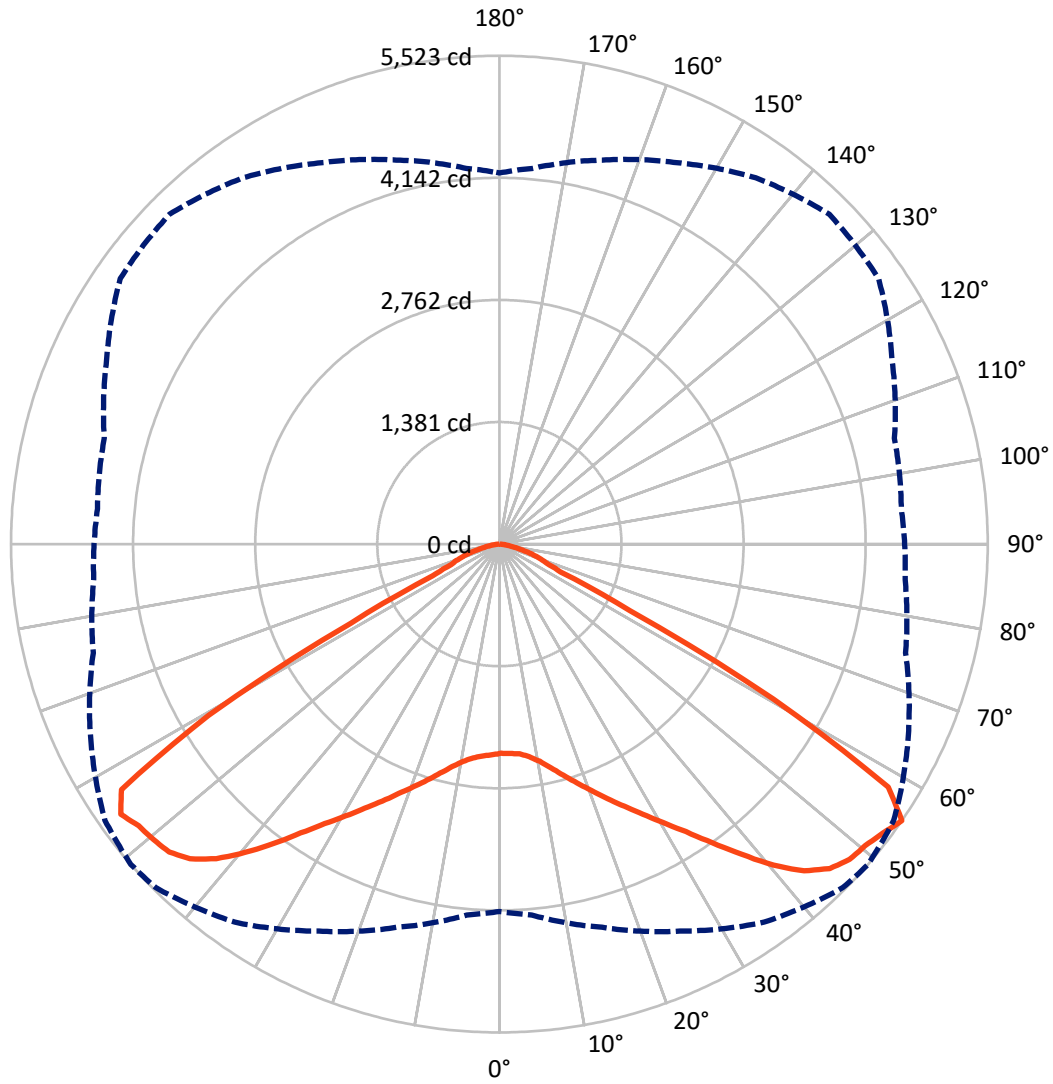
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7069.9	0.0	7069.9
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	7210.0	0.0	7210.0
	% Fixture	50.5	0.0	50.5
Total	Lumens	14279.9	0.0	14279.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.8	1.6
10°-20°	761.1	5.3
20°-30°	1449.8	10.2
30°-40°	2457.7	17.2
40°-50°	3698.6	25.9
50°-60°	4048.5	28.4
60°-70°	1280.1	9.0
70°-80°	307.2	2.2
80°-90°	46.1	0.3
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°	14279.9	100.0
0°-180°	14279.9	100.0

Coefficient of Utilization



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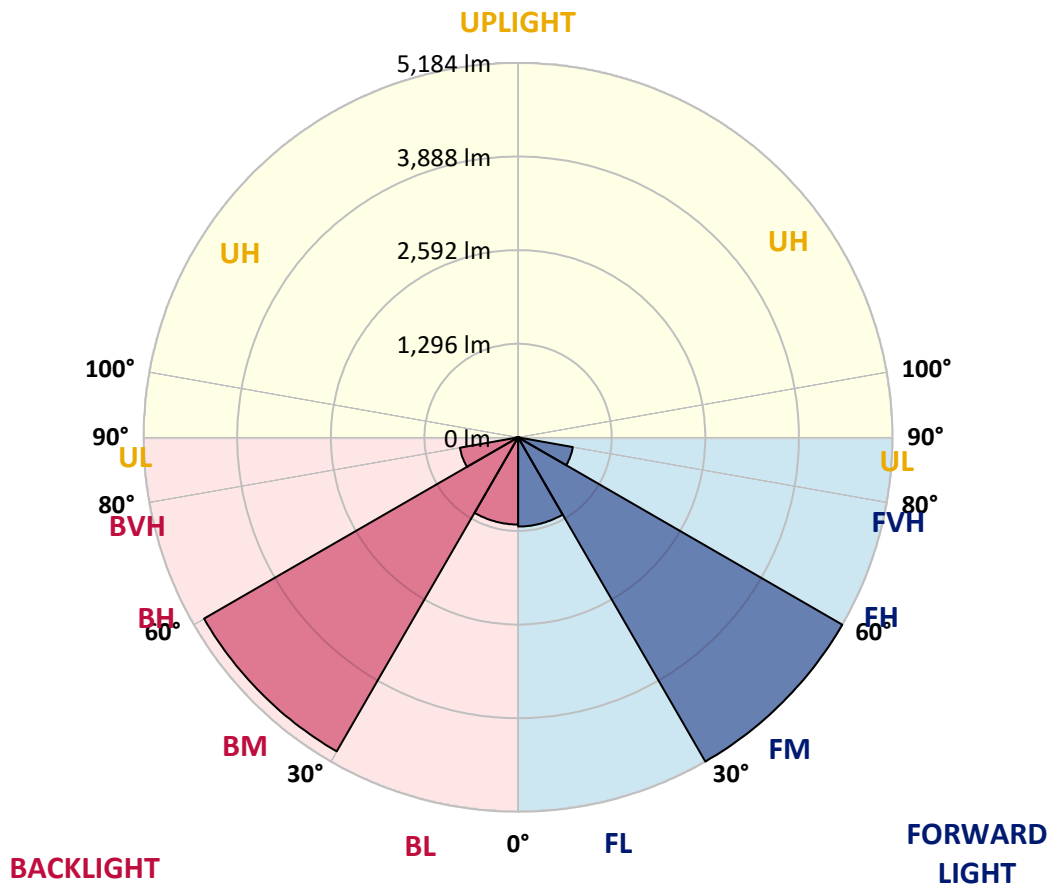
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.6	8.6			
FM (30°-60°)	5184.0	36.3			
FH (60°-80°)	770.0	5.4			G1/1800
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	1207.0	8.5	B3/2500		
BM (30°-60°)	5020.7	35.2	B4/8500		
BH (60°-80°)	817.4	5.7	B2/1000		G1/1800
BVH (80°-90°)	24.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6
2.5°	2330.7	2333.0	2337.7	2345.8	2353.9	2365.6	2370.2	2376.0	2374.8	2381.8	2381.8
5°	2319.1	2322.6	2329.6	2341.2	2355.1	2377.2	2383.0	2396.9	2410.8	2428.3	2434.1
7.5°	2333.0	2337.7	2345.8	2364.4	2385.3	2414.3	2425.9	2449.2	2475.9	2507.2	2520.0
10°	2359.7	2365.6	2379.5	2409.7	2443.4	2487.5	2497.9	2527.0	2569.9	2612.9	2638.5
12.5°	2389.9	2399.2	2424.8	2472.4	2522.3	2580.4	2596.6	2632.6	2679.1	2734.8	2769.7
15°	2424.8	2432.9	2472.4	2539.7	2617.6	2694.2	2712.8	2747.6	2799.9	2854.5	2903.2
17.5°	2497.9	2511.9	2558.3	2636.1	2726.7	2817.3	2838.2	2877.7	2919.5	2962.5	3008.9
20°	2597.8	2609.4	2668.6	2765.0	2871.9	2954.3	2975.2	3010.1	3029.8	3051.9	3091.4
22.5°	2697.7	2713.9	2781.3	2895.1	3020.5	3109.9	3126.2	3158.7	3144.8	3137.8	3163.4
25°	2821.9	2844.0	2910.2	3034.5	3162.2	3272.5	3285.3	3313.2	3289.9	3253.9	3252.8
27.5°	2976.4	2996.1	3064.6	3192.4	3319.0	3433.9	3458.3	3495.5	3444.4	3400.3	3368.9
30°	3159.9	3172.7	3248.1	3384.0	3514.1	3623.2	3654.6	3691.7	3653.4	3580.3	3548.9
32.5°	3373.6	3391.0	3478.1	3620.9	3737.0	3846.2	3877.6	3924.0	3882.2	3799.7	3760.3
35°	3630.2	3647.6	3739.4	3895.0	4013.4	4126.1	4148.1	4186.5	4134.2	4039.0	4007.6
37.5°	3908.9	3931.0	4047.1	4194.6	4318.8	4450.1	4451.2	4462.8	4388.5	4270.1	4235.2
40°	4222.5	4251.5	4367.6	4520.9	4670.7	4777.6	4776.4	4743.9	4618.5	4435.0	4381.6
42.5°	4532.5	4555.7	4673.0	4831.0	4980.8	5081.8	5051.6	4972.7	4791.5	4541.8	4471.0
45°	4756.7	4774.1	4897.2	5074.8	5227.0	5289.7	5235.1	5139.9	4894.8	4609.2	4504.7
47.5°	4862.3	4885.6	5009.8	5186.3	5358.2	5394.2	5329.2	5239.8	4955.2	4671.9	4531.4
50°	4805.4	4835.6	4976.1	5139.9	5333.8	5408.1	5361.7	5272.3	5019.1	4733.4	4579.0
52.5°	4657.9	4687.0	4864.7	5063.2	5282.7	5430.2	5429.0	5355.9	5092.3	4750.8	4581.3
55°	4153.9	4210.8	4487.2	4829.8	5220.0	5495.2	5523.1	5445.3	5103.9	4755.5	4605.7
57.5°	2703.5	2803.4	3065.8	3511.7	4294.5	4998.2	5186.3	5204.9	5020.3	4735.7	4610.3
60°	1128.8	1208.9	1416.8	1712.9	2359.7	3197.0	3561.7	3927.5	4368.8	4529.0	4567.4
62.5°	701.4	708.4	729.3	796.6	1012.6	1421.4	1656.0	1998.6	2654.7	3213.3	3471.1
65°	632.9	636.4	641.0	636.4	646.8	696.8	759.5	879.1	1146.2	1423.7	1753.6
67.5°	557.4	562.1	565.5	562.1	565.5	567.9	574.8	585.3	634.1	673.5	703.7
70°	450.6	457.5	463.4	461.0	475.0	475.0	481.9	490.1	514.5	543.5	564.4
72.5°	343.7	337.9	344.9	347.2	360.0	367.0	377.4	386.7	414.6	432.0	458.7
75°	223.0	217.2	227.6	233.4	250.8	260.1	269.4	278.7	298.5	310.1	335.6
77.5°	120.8	119.6	130.1	138.2	156.8	168.4	175.4	182.3	198.6	202.1	218.3
80°	69.7	69.7	76.6	82.5	94.1	106.8	113.8	119.6	131.2	134.7	141.7
82.5°	38.3	38.3	41.8	45.3	54.6	61.5	67.4	72.0	82.5	85.9	89.4
85°	18.6	17.4	19.7	22.1	25.5	29.0	32.5	34.8	43.0	45.3	49.9
87.5°	2.3	2.3	2.3	3.5	4.6	7.0	8.1	8.1	12.8	15.1	17.4
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°	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6	2365.6
2.5°	2388.8	2373.7	2383.0	2386.5	2386.5	2383.0	2367.9	2363.2	2356.3	2345.8	2345.8
5°	2442.2	2430.6	2432.9	2427.1	2413.2	2395.7	2367.9	2353.9	2342.3	2329.6	2328.4
7.5°	2533.9	2518.8	2516.5	2494.5	2457.3	2420.1	2378.3	2352.8	2335.4	2319.1	2317.9
10°	2653.6	2639.6	2622.2	2578.1	2523.5	2468.9	2412.0	2377.2	2351.6	2328.4	2327.2
12.5°	2787.1	2770.8	2738.3	2673.3	2604.8	2551.4	2486.3	2432.9	2394.6	2363.2	2357.4
15°	2932.3	2909.0	2853.3	2776.6	2709.3	2652.4	2582.7	2506.1	2448.0	2398.1	2392.3
17.5°	3043.7	3013.6	2953.2	2881.2	2825.4	2768.5	2677.9	2581.6	2497.9	2435.2	2425.9
20°	3120.4	3096.0	3027.5	2974.1	2941.6	2891.6	2785.9	2676.8	2582.7	2503.7	2499.1
22.5°	3191.2	3162.2	3094.8	3063.5	3063.5	3029.8	2928.8	2799.9	2689.6	2597.8	2586.2
25°	3271.4	3240.0	3188.9	3185.4	3201.7	3186.6	3064.6	2926.5	2797.6	2694.2	2675.6
27.5°	3382.8	3348.0	3317.8	3338.7	3361.9	3345.7	3209.8	3049.6	2913.7	2809.2	2792.9
30°	3560.5	3517.6	3489.7	3515.2	3560.5	3512.9	3365.4	3195.9	3058.8	2943.9	2935.7
32.5°	3767.2	3718.5	3689.4	3730.1	3770.7	3696.4	3550.1	3387.5	3243.5	3122.7	3108.8
35°	4015.7	3954.2	3911.2	3965.8	4007.6	3934.5	3789.3	3634.8	3474.6	3349.2	3330.6
37.5°	4236.4	4162.1	4133.0	4209.7	4265.4	4217.8	4059.9	3914.7	3739.4	3602.3	3594.2
40°	4396.7	4323.5	4302.6	4429.2	4526.7	4515.1	4373.4	4207.4	4042.5	3884.5	3869.4
42.5°	4466.3	4415.2	4419.9	4590.6	4741.6	4815.9	4689.3	4511.6	4352.5	4188.8	4178.3
45°	4481.4	4450.1	4487.2	4700.9	4899.5	5051.6	4943.6	4795.0	4615.0	4457.0	4452.4
47.5°	4497.7	4480.3	4537.2	4763.6	4999.4	5175.9	5115.5	4962.2	4779.9	4625.4	4613.8
50°	4536.0	4529.0	4592.9	4807.7	5047.0	5209.6	5141.0	4988.9	4801.9	4649.8	4621.9
52.5°	4547.6	4536.0	4627.7	4876.3	5125.9	5208.4	5060.9	4862.3	4674.2	4504.7	4475.6
55°	4583.6	4562.7	4625.4	4901.8	5235.1	5275.8	5056.3	4759.0	4496.5	4265.4	4196.9
57.5°	4592.9	4569.7	4610.3	4860.0	5116.7	5080.7	4444.3	3840.4	3345.7	3089.0	3118.1
60°	4543.0	4549.9	4480.3	4452.4	4104.0	3623.2	2720.9	2175.1	1708.3	1510.8	1553.8
62.5°	3458.3	3487.4	3249.3	2825.4	2172.8	1722.2	1139.2	884.9	749.0	714.2	720.0
65°	1745.4	1784.9	1537.6	1271.6	945.3	764.1	660.8	639.9	632.9	624.8	624.8
67.5°	691.0	702.6	693.3	649.2	603.9	587.6	583.0	580.6	572.5	567.9	569.0
70°	555.1	564.4	550.5	522.6	504.0	502.8	500.5	495.9	490.1	490.1	493.5
72.5°	452.9	462.2	442.5	425.0	411.1	400.6	394.8	391.4	383.2	383.2	386.7
75°	333.3	339.1	322.8	320.5	305.4	295.0	285.7	281.0	270.6	265.9	269.4
77.5°	221.8	220.6	212.5	212.5	206.7	193.9	183.5	173.0	159.1	149.8	152.1
80°	144.0	144.0	140.5	140.5	134.7	124.3	111.5	101.0	92.9	85.9	85.9
82.5°	91.7	90.6	89.4	88.3	85.9	75.5	66.2	59.2	53.4	48.8	49.9
85°	51.1	51.1	48.8	48.8	44.1	38.3	33.7	29.0	25.5	24.4	24.4
87.5°	17.4	17.4	16.3	16.3	13.9	10.5	8.1	7.0	5.8	4.6	5.8
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)