

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: P635387

Luminaire Tested: GWS-SA3D-760-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635387
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-SA3D-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15651.4 lumens
Efficiency: N/A
Efficacy: 129.6 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): 120.8
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

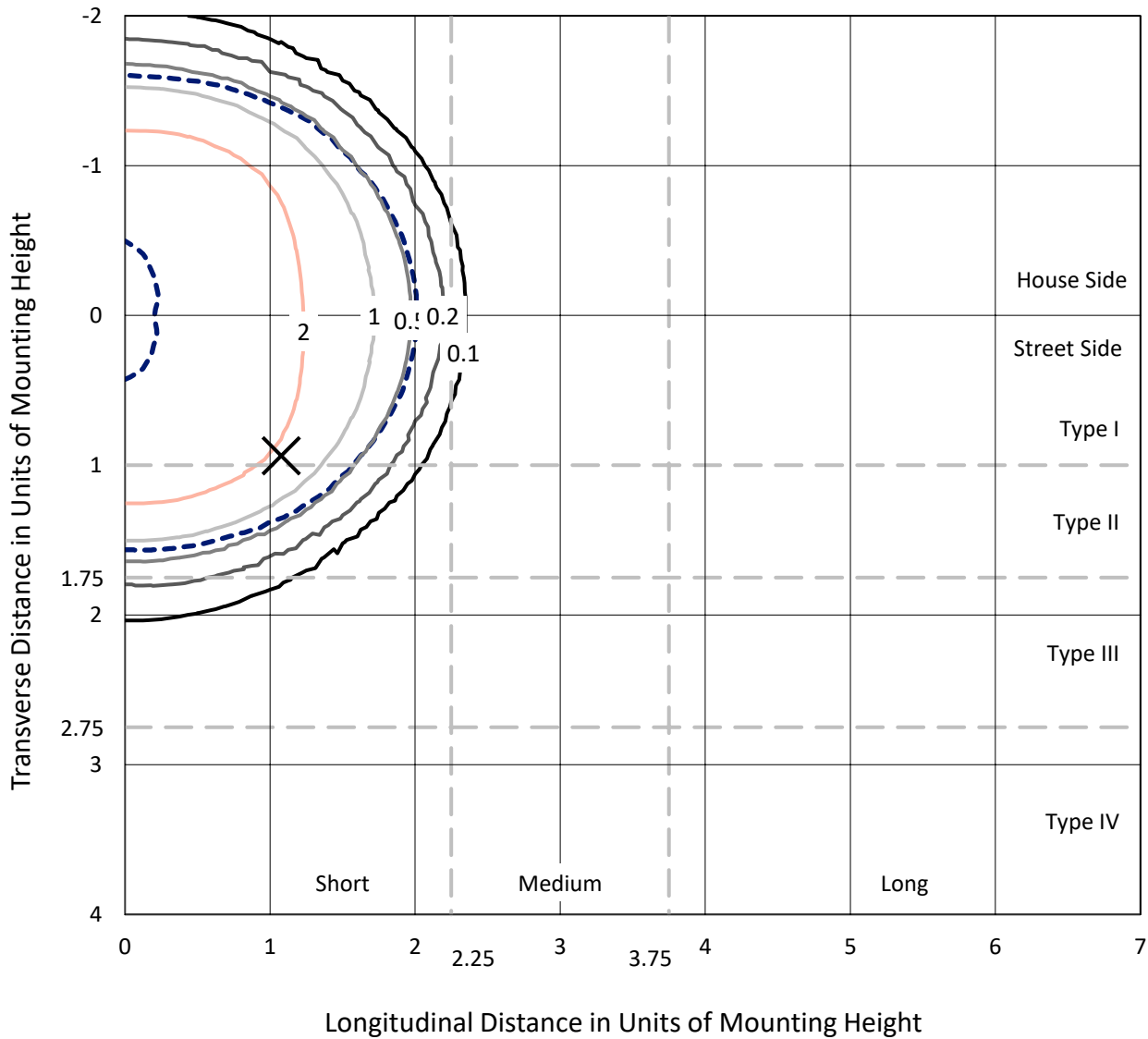


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Iso-Footcandle Lines of Horizontal Illumination

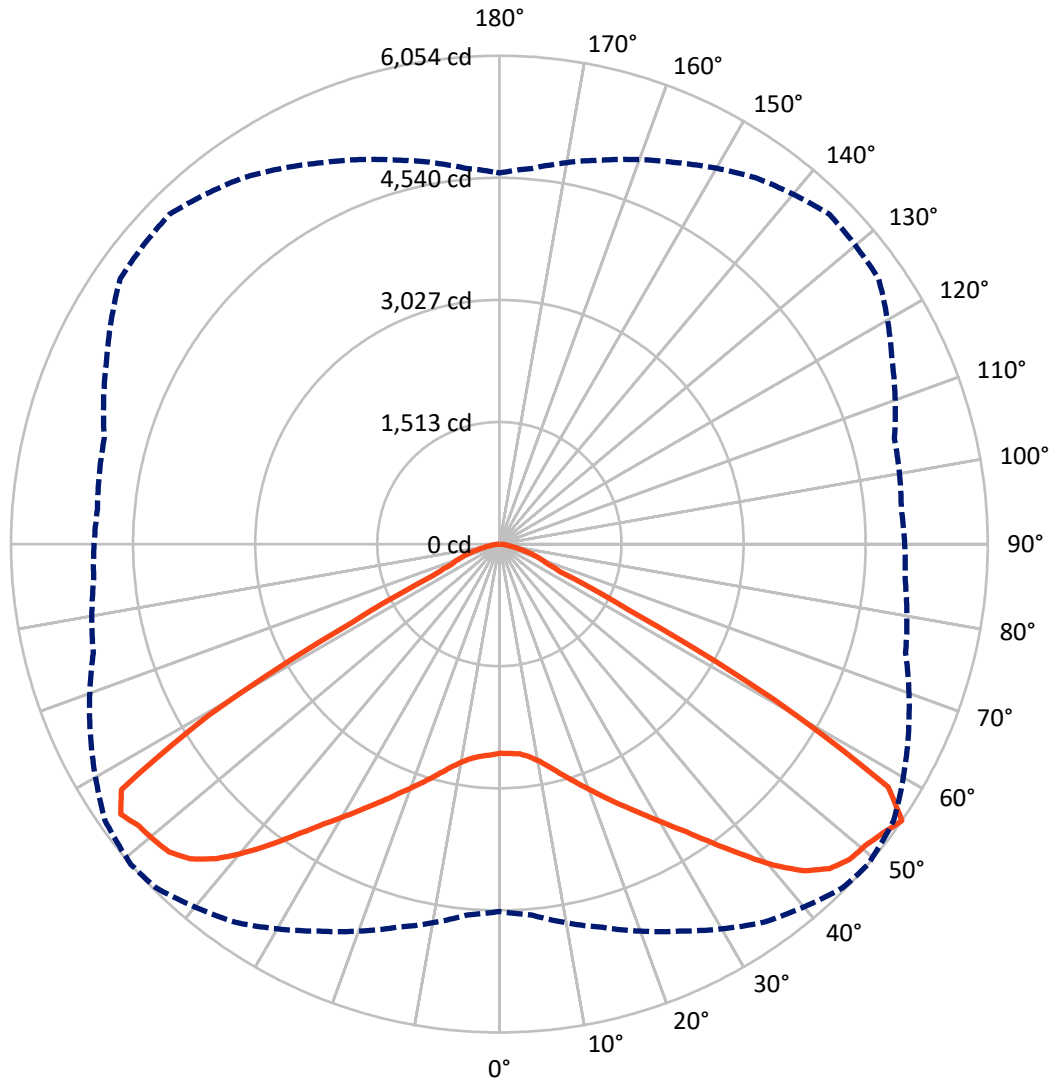
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	7748.9	0.0	7748.9
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	7902.5	0.0	7902.5
	% Fixture	50.5	0.0	50.5
Total	Lumens	15651.4	0.0	15651.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.9	1.6
10°-20°	834.3	5.3
20°-30°	1589.0	10.2
30°-40°	2693.7	17.2
40°-50°	4053.8	25.9
50°-60°	4437.3	28.4
60°-70°	1403.1	9.0
70°-80°	336.7	2.2
80°-90°	50.5	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°	15651.4	100.0
0°-180°	15651.4	100.0

Coefficient of Utilization



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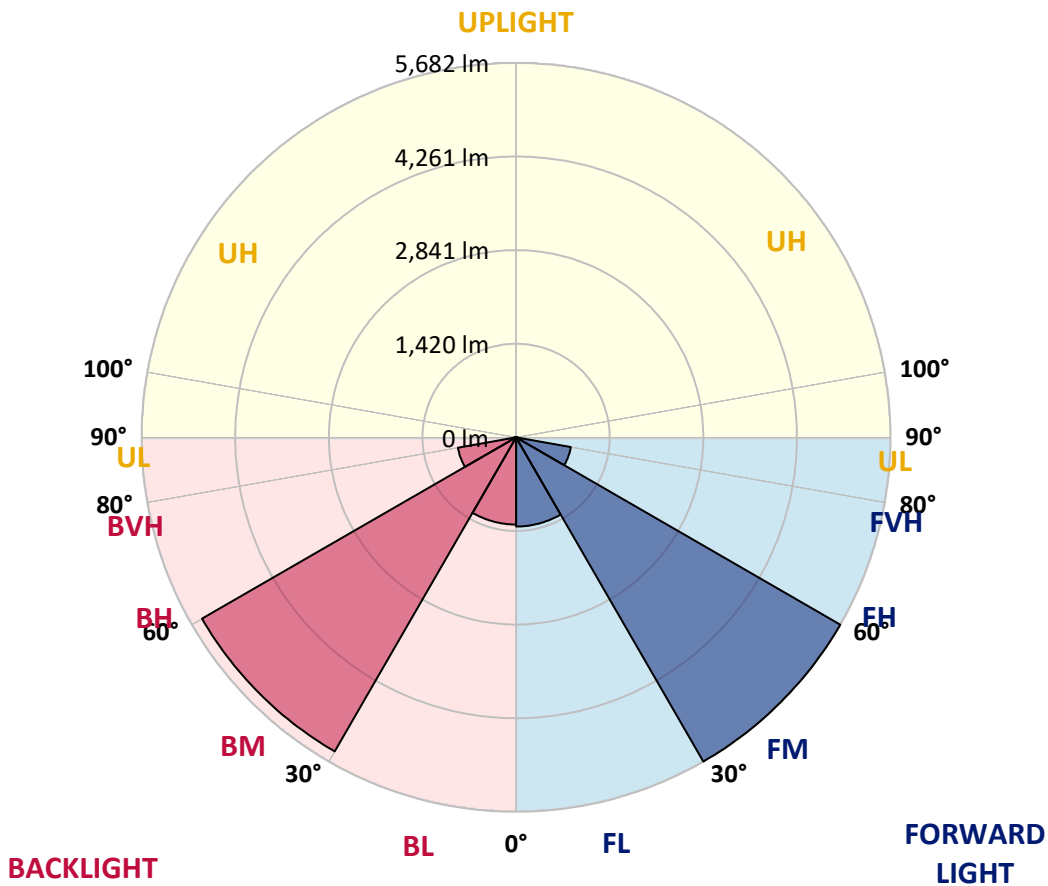
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1353.2	8.6			
FM (30°-60°)	5681.9	36.3			
FH (60°-80°)	844.0	5.4			G1/1800
FVH (80°-90°)	23.4	0.1			G1/100
BL (0°-30°)	1323.0	8.5	B3/2500		
BM (30°-60°)	5502.9	35.2	B4/8500		
BH (60°-80°)	895.9	5.7	B2/1000		G1/1800
BVH (80°-90°)	27.1	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°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2.5°	2554.6	2557.1	2562.2	2571.1	2580.0	2592.7	2597.8	2604.2	2602.9	2610.6	2610.6
5°	2541.8	2545.7	2553.3	2566.0	2581.3	2605.5	2611.8	2627.1	2642.4	2661.5	2667.8
7.5°	2557.1	2562.2	2571.1	2591.5	2614.4	2646.2	2658.9	2684.4	2713.7	2748.0	2762.0
10°	2586.4	2592.7	2608.0	2641.1	2678.0	2726.4	2737.9	2769.7	2816.8	2863.9	2891.9
12.5°	2619.5	2629.7	2657.7	2709.8	2764.6	2828.2	2846.0	2885.5	2936.4	2997.5	3035.7
15°	2657.7	2666.6	2709.8	2783.7	2869.0	2953.0	2973.3	3011.5	3068.8	3128.6	3182.1
17.5°	2737.9	2753.1	2804.0	2889.3	2988.6	3087.9	3110.8	3154.1	3199.9	3247.0	3297.9
20°	2847.3	2860.0	2925.0	3030.6	3147.7	3238.1	3261.0	3299.2	3320.8	3345.0	3388.3
22.5°	2956.8	2974.6	3048.4	3173.2	3310.6	3408.6	3426.5	3462.1	3446.8	3439.2	3467.2
25°	3093.0	3117.2	3189.7	3325.9	3465.9	3586.8	3600.8	3631.4	3605.9	3566.5	3565.2
27.5°	3262.3	3283.9	3359.0	3499.0	3637.7	3763.8	3790.5	3831.2	3775.2	3726.8	3692.5
30°	3463.4	3477.4	3560.1	3709.0	3851.6	3971.2	4005.6	4046.3	4004.3	3924.1	3889.8
32.5°	3697.6	3716.7	3812.1	3968.7	4096.0	4215.6	4250.0	4300.9	4255.1	4164.7	4121.4
35°	3978.9	3998.0	4098.5	4269.1	4398.9	4522.4	4546.5	4588.5	4531.3	4426.9	4392.5
37.5°	4284.3	4308.5	4435.8	4597.5	4733.6	4877.5	4878.7	4891.5	4810.0	4680.2	4642.0
40°	4628.0	4659.8	4787.1	4955.1	5119.3	5236.4	5235.1	5199.5	5062.0	4860.9	4802.4
42.5°	4967.8	4993.3	5121.9	5295.0	5459.2	5569.9	5536.8	5450.2	5251.7	4978.0	4900.4
45°	5213.5	5232.6	5367.5	5562.3	5729.0	5797.7	5737.9	5633.5	5365.0	5051.9	4937.3
47.5°	5329.3	5354.8	5491.0	5684.4	5872.8	5912.3	5841.0	5743.0	5431.2	5120.6	4966.6
50°	5267.0	5300.1	5454.1	5633.5	5846.1	5927.6	5876.6	5778.6	5501.2	5188.0	5018.8
52.5°	5105.3	5137.1	5331.9	5549.5	5790.1	5951.7	5950.5	5870.3	5581.3	5207.1	5021.3
55°	4552.9	4615.3	4918.2	5293.7	5721.4	6023.0	6053.6	5968.3	5594.1	5212.2	5048.0
57.5°	2963.1	3072.6	3360.3	3849.0	4706.9	5478.2	5684.4	5704.8	5502.4	5190.6	5053.1
60°	1237.2	1325.0	1552.8	1877.4	2586.4	3504.1	3903.8	4304.7	4788.4	4964.0	5006.0
62.5°	768.8	776.4	799.3	873.2	1109.9	1557.9	1815.1	2190.5	2909.7	3521.9	3804.5
65°	693.7	697.5	702.6	697.5	709.0	763.7	832.4	963.5	1256.3	1560.5	1922.0
67.5°	611.0	616.0	619.9	616.0	619.9	622.4	630.0	641.5	695.0	738.2	771.3
70°	493.9	501.5	507.9	505.3	520.6	520.6	528.2	537.1	563.9	595.7	618.6
72.5°	376.8	370.4	378.0	380.6	394.6	402.2	413.7	423.9	454.4	473.5	502.8
75°	244.4	238.0	249.5	255.8	274.9	285.1	295.3	305.5	327.1	339.8	367.8
77.5°	132.4	131.1	142.6	151.5	171.8	184.6	192.2	199.8	217.7	221.5	239.3
80°	76.4	76.4	84.0	90.4	103.1	117.1	124.7	131.1	143.8	147.6	155.3
82.5°	42.0	42.0	45.8	49.6	59.8	67.5	73.8	78.9	90.4	94.2	98.0
85°	20.4	19.1	21.6	24.2	28.0	31.8	35.6	38.2	47.1	49.6	54.7
87.5°	2.5	2.5	2.5	3.8	5.1	7.6	8.9	8.9	14.0	16.5	19.1
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°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2.5°	2618.2	2601.7	2611.8	2615.7	2615.7	2611.8	2595.3	2590.2	2582.6	2571.1	2571.1
5°	2676.8	2664.0	2666.6	2660.2	2644.9	2625.8	2595.3	2580.0	2567.3	2553.3	2552.0
7.5°	2777.3	2760.8	2758.2	2734.0	2693.3	2652.6	2606.8	2578.7	2559.7	2541.8	2540.6
10°	2908.4	2893.1	2874.0	2825.7	2765.9	2706.0	2643.7	2605.5	2577.5	2552.0	2550.7
12.5°	3054.8	3037.0	3001.3	2930.0	2855.0	2796.4	2725.1	2666.6	2624.6	2590.2	2583.8
15°	3213.9	3188.4	3127.3	3043.3	2969.5	2907.1	2830.8	2746.8	2683.1	2628.4	2622.0
17.5°	3336.1	3303.0	3236.8	3157.9	3096.8	3034.4	2935.1	2829.5	2737.9	2669.1	2658.9
20°	3420.1	3393.4	3318.3	3259.7	3224.1	3169.3	3053.5	2933.9	2830.8	2744.2	2739.1
22.5°	3497.7	3465.9	3392.1	3357.7	3357.7	3320.8	3210.1	3068.8	2947.9	2847.3	2834.6
25°	3585.6	3551.2	3495.2	3491.4	3509.2	3492.6	3359.0	3207.5	3066.2	2953.0	2932.6
27.5°	3707.7	3669.6	3636.5	3659.4	3684.8	3667.0	3518.1	3342.4	3193.5	3079.0	3061.1
30°	3902.5	3855.4	3824.8	3852.8	3902.5	3850.3	3688.7	3502.8	3352.6	3226.6	3217.7
32.5°	4129.1	4075.6	4043.8	4088.3	4132.9	4051.4	3891.0	3712.8	3555.0	3422.6	3407.4
35°	4401.4	4334.0	4286.9	4346.7	4392.5	4312.3	4153.2	3983.9	3808.3	3670.8	3650.5
37.5°	4643.3	4561.8	4530.0	4614.0	4675.1	4622.9	4449.8	4290.7	4098.5	3948.3	3939.4
40°	4818.9	4738.7	4715.8	4854.6	4961.5	4948.8	4793.5	4611.5	4430.7	4257.6	4241.1
42.5°	4895.3	4839.3	4844.4	5031.5	5197.0	5278.4	5139.7	4944.9	4770.6	4591.1	4579.6
45°	4911.8	4877.5	4918.2	5152.4	5370.1	5536.8	5418.4	5255.5	5058.2	4885.1	4880.0
47.5°	4929.7	4910.6	4972.9	5221.1	5479.5	5673.0	5606.8	5438.8	5239.0	5069.7	5056.9
50°	4971.7	4964.0	5034.0	5269.5	5531.7	5709.9	5634.8	5468.1	5263.1	5096.4	5065.9
52.5°	4984.4	4971.7	5072.2	5344.6	5618.3	5708.6	5547.0	5329.3	5123.1	4937.3	4905.5
55°	5023.8	5000.9	5069.7	5372.6	5737.9	5782.5	5541.9	5216.0	4928.4	4675.1	4600.0
57.5°	5034.0	5008.6	5053.1	5326.8	5608.1	5568.6	4871.1	4209.2	3667.0	3385.7	3417.5
60°	4979.3	4986.9	4910.6	4880.0	4498.2	3971.2	2982.2	2384.0	1872.3	1655.9	1703.0
62.5°	3790.5	3822.3	3561.4	3096.8	2381.5	1887.6	1248.6	969.9	821.0	782.8	789.2
65°	1913.1	1956.3	1685.2	1393.7	1036.1	837.5	724.2	701.3	693.7	684.8	684.8
67.5°	757.3	770.1	759.9	711.5	661.9	644.1	639.0	636.4	627.5	622.4	623.7
70°	608.4	618.6	603.3	572.8	552.4	551.1	548.6	543.5	537.1	537.1	541.0
72.5°	496.4	506.6	484.9	465.9	450.6	439.1	432.8	428.9	420.0	420.0	423.9
75°	365.3	371.7	353.8	351.3	334.8	323.3	313.1	308.0	296.6	291.5	295.3
77.5°	243.1	241.8	232.9	232.9	226.6	212.6	201.1	189.7	174.4	164.2	166.7
80°	157.8	157.8	154.0	154.0	147.6	136.2	122.2	110.7	101.8	94.2	94.2
82.5°	100.6	99.3	98.0	96.7	94.2	82.7	72.6	64.9	58.6	53.5	54.7
85°	56.0	56.0	53.5	53.5	48.4	42.0	36.9	31.8	28.0	26.7	26.7
87.5°	19.1	19.1	17.8	17.8	15.3	11.5	8.9	7.6	6.4	5.1	6.4
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)