

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: P635222

Luminaire Tested: GWS-SA3D-735-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635222
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15300.8 lumens
Efficiency: N/A
Efficacy: 126.7 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): 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

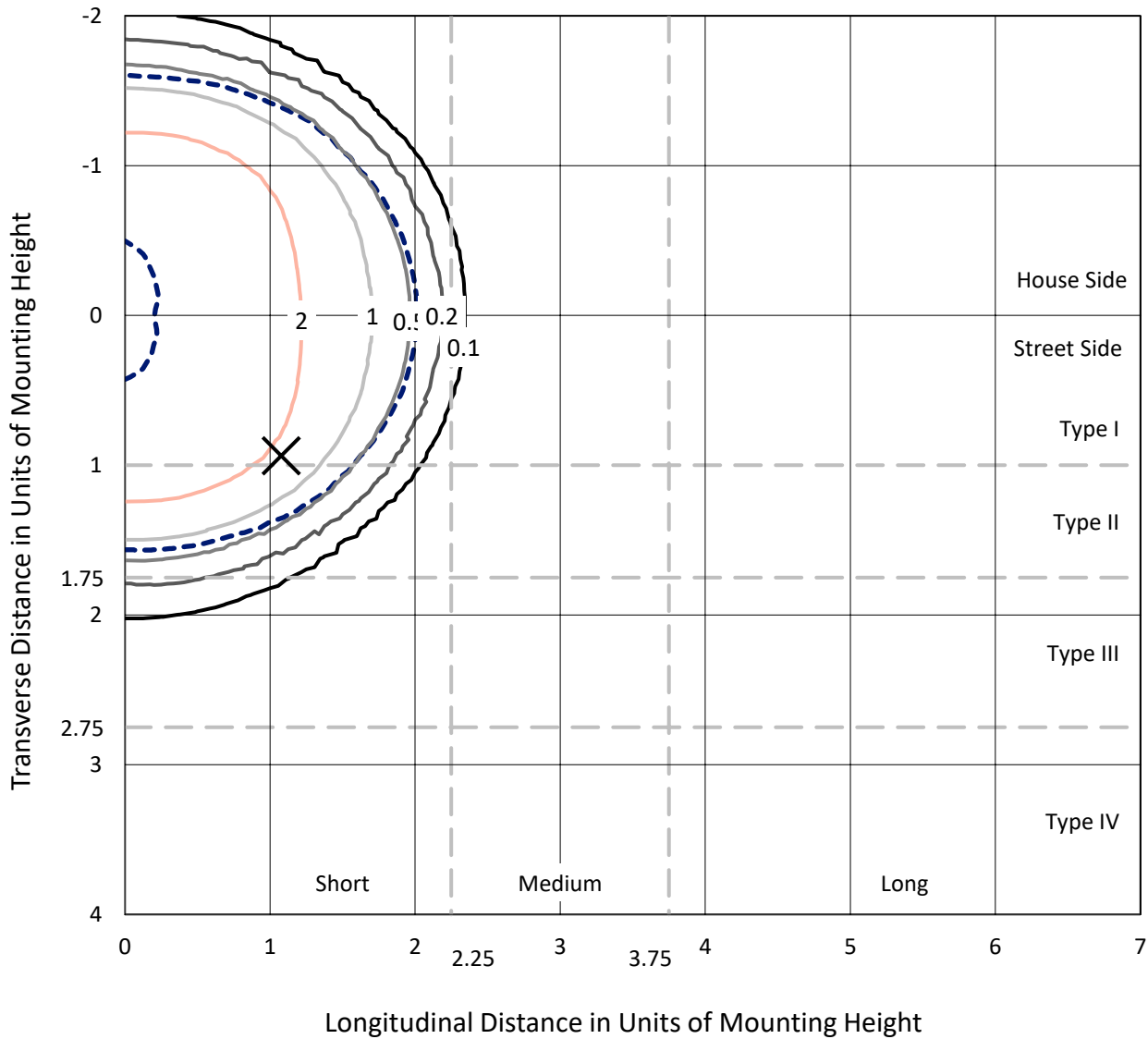


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

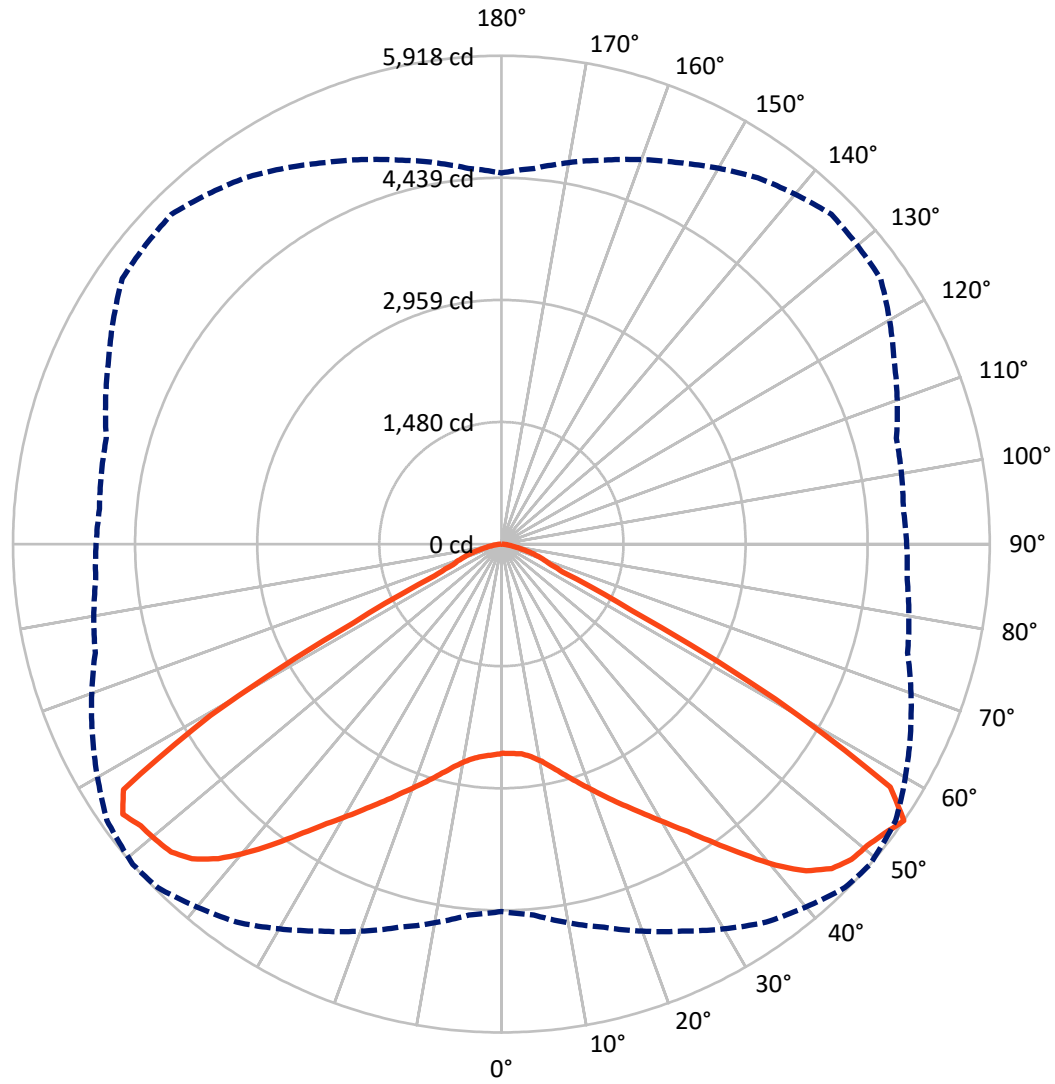


Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

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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	7575.4	0.0	7575.4
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	7725.5	0.0	7725.5
	% Fixture	50.5	0.0	50.5
Total	Lumens	15300.8	0.0	15300.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	1.6
10°-20°	815.6	5.3
20°-30°	1553.4	10.2
30°-40°	2633.4	17.2
40°-50°	3963.0	25.9
50°-60°	4337.9	28.4
60°-70°	1371.7	9.0
70°-80°	329.2	2.2
80°-90°	49.4	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°	15300.8	100.0
0°-180°	15300.8	100.0

Coefficient of Utilization



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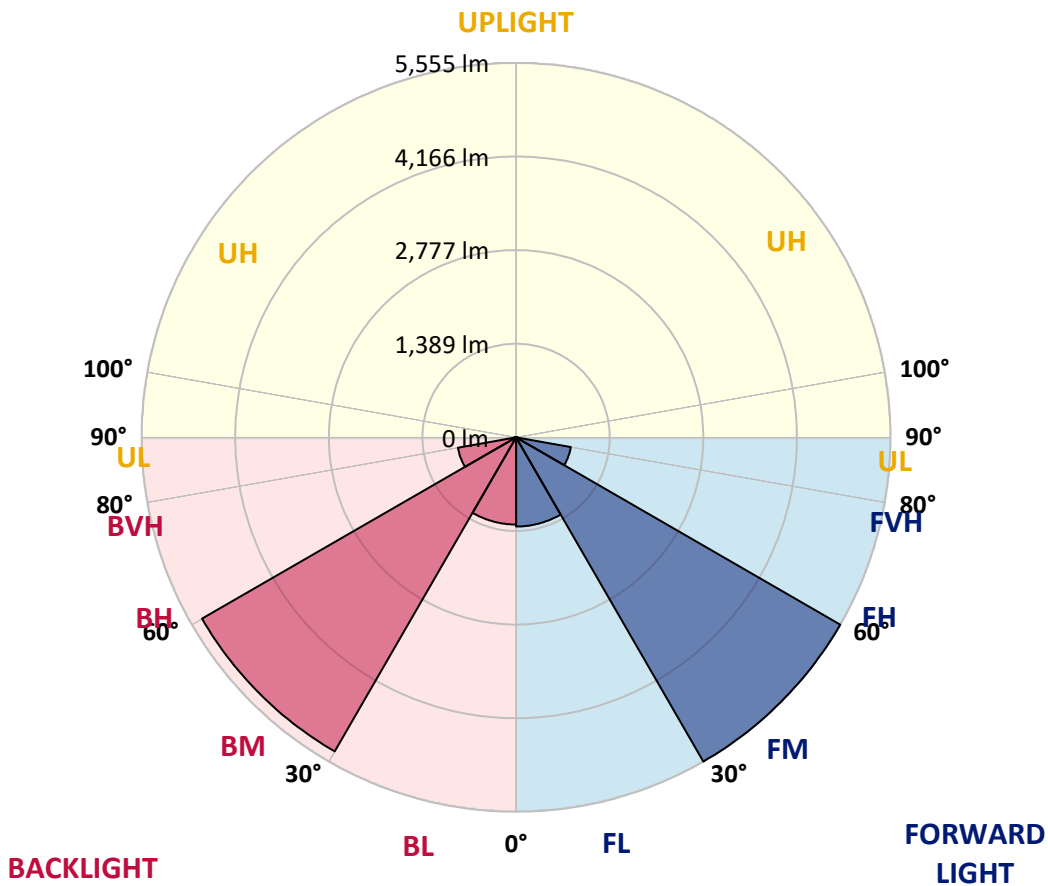
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1322.9	8.6			
FM (30°-60°)	5554.6	36.3			
FH (60°-80°)	825.1	5.4			G1/1800
FVH (80°-90°)	22.9	0.1			G1/100
BL (0°-30°)	1293.3	8.5	B3/2500		
BM (30°-60°)	5379.7	35.2	B4/8500		
BH (60°-80°)	875.8	5.7	B2/1000		G1/1800
BVH (80°-90°)	26.5	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°	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7
2.5°	2497.3	2499.8	2504.8	2513.5	2522.2	2534.7	2539.6	2545.9	2544.6	2552.1	2552.1
5°	2484.9	2488.6	2496.1	2508.5	2523.5	2547.1	2553.3	2568.3	2583.2	2601.9	2608.1
7.5°	2499.8	2504.8	2513.5	2533.4	2555.8	2586.9	2599.4	2624.3	2652.9	2686.5	2700.2
10°	2528.4	2534.7	2549.6	2582.0	2618.0	2665.3	2676.5	2707.6	2753.7	2799.7	2827.1
12.5°	2560.8	2570.8	2598.1	2649.1	2702.7	2764.9	2782.3	2820.9	2870.6	2930.4	2967.7
15°	2598.1	2606.8	2649.1	2721.3	2804.7	2886.8	2906.7	2944.1	3000.0	3058.5	3110.8
17.5°	2676.5	2691.5	2741.2	2824.6	2921.7	3018.7	3041.1	3083.4	3128.2	3174.2	3224.0
20°	2783.5	2796.0	2859.4	2962.7	3077.2	3165.5	3187.9	3225.3	3246.4	3270.1	3312.4
22.5°	2890.5	2908.0	2980.1	3102.1	3236.5	3332.3	3349.7	3384.5	3369.6	3362.1	3389.5
25°	3023.7	3047.3	3118.3	3251.4	3388.3	3506.5	3520.2	3550.0	3525.1	3486.6	3485.3
27.5°	3189.2	3210.3	3283.7	3420.6	3556.3	3679.4	3705.6	3745.4	3690.6	3643.4	3609.8
30°	3385.8	3399.5	3480.3	3625.9	3765.3	3882.3	3915.9	3955.7	3914.6	3836.2	3802.6
32.5°	3614.7	3633.4	3726.7	3879.8	4004.2	4121.2	4154.8	4204.5	4159.7	4071.4	4029.1
35°	3889.7	3908.4	4006.7	4173.4	4300.4	4421.1	4444.7	4485.8	4429.8	4327.7	4294.1
37.5°	4188.4	4212.0	4336.4	4494.5	4627.6	4768.2	4769.5	4781.9	4702.3	4575.3	4538.0
40°	4524.3	4555.4	4679.9	4844.1	5004.6	5119.1	5117.9	5083.0	4948.6	4752.0	4694.8
42.5°	4856.6	4881.4	5007.1	5176.4	5336.9	5445.1	5412.8	5328.2	5134.0	4866.5	4790.6
45°	5096.7	5115.4	5247.3	5437.7	5600.7	5667.9	5609.4	5507.3	5244.8	4938.7	4826.7
47.5°	5209.9	5234.8	5368.0	5557.1	5741.3	5779.8	5710.2	5614.4	5309.5	5005.9	4855.3
50°	5149.0	5181.3	5331.9	5507.3	5715.1	5794.8	5745.0	5649.2	5377.9	5071.8	4906.3
52.5°	4990.9	5022.1	5212.4	5425.2	5660.4	5818.4	5817.2	5738.8	5456.3	5090.5	4908.8
55°	4450.9	4511.9	4808.0	5175.1	5593.2	5888.1	5918.0	5834.6	5468.8	5095.5	4935.0
57.5°	2896.8	3003.8	3285.0	3762.8	4601.5	5355.5	5557.1	5577.0	5379.2	5074.3	4939.9
60°	1209.5	1295.3	1518.1	1835.4	2528.4	3425.6	3816.3	4208.3	4681.1	4852.8	4893.9
62.5°	751.6	759.0	781.4	853.6	1085.0	1523.0	1774.4	2141.5	2844.5	3443.0	3719.3
65°	678.2	681.9	686.9	681.9	693.1	746.6	813.8	941.9	1228.1	1525.5	1878.9
67.5°	597.3	602.2	606.0	602.2	606.0	608.5	615.9	627.1	679.4	721.7	754.1
70°	482.8	490.3	496.5	494.0	508.9	508.9	516.4	525.1	551.2	582.3	604.7
72.5°	368.3	362.1	369.6	372.1	385.7	393.2	404.4	414.4	444.2	462.9	491.5
75°	238.9	232.7	243.9	250.1	268.8	278.7	288.7	298.6	319.8	332.2	359.6
77.5°	129.4	128.2	139.4	148.1	168.0	180.4	187.9	195.4	212.8	216.5	233.9
80°	74.7	74.7	82.1	88.3	100.8	114.5	121.9	128.2	140.6	144.3	151.8
82.5°	41.1	41.1	44.8	48.5	58.5	65.9	72.2	77.1	88.3	92.1	95.8
85°	19.9	18.7	21.2	23.6	27.4	31.1	34.8	37.3	46.0	48.5	53.5
87.5°	2.5	2.5	2.5	3.7	5.0	7.5	8.7	8.7	13.7	16.2	18.7
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°	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7	2534.7
2.5°	2559.6	2543.4	2553.3	2557.1	2557.1	2553.3	2537.2	2532.2	2524.7	2513.5	2513.5
5°	2616.8	2604.4	2606.8	2600.6	2585.7	2567.0	2537.2	2522.2	2509.8	2496.1	2494.9
7.5°	2715.1	2698.9	2696.4	2672.8	2633.0	2593.2	2548.4	2521.0	2502.3	2484.9	2483.7
10°	2843.3	2828.3	2809.7	2762.4	2703.9	2645.4	2584.4	2547.1	2519.7	2494.9	2493.6
12.5°	2986.4	2968.9	2934.1	2864.4	2791.0	2733.8	2664.1	2606.8	2565.8	2532.2	2526.0
15°	3141.9	3117.0	3057.3	2975.2	2903.0	2842.0	2767.4	2685.2	2623.0	2569.5	2563.3
17.5°	3261.4	3229.0	3164.3	3087.1	3027.4	2966.4	2869.4	2766.1	2676.5	2609.3	2599.4
20°	3343.5	3317.3	3243.9	3186.7	3151.9	3098.3	2985.1	2868.1	2767.4	2682.7	2677.8
22.5°	3419.4	3388.3	3316.1	3282.5	3282.5	3246.4	3138.2	3000.0	2881.8	2783.5	2771.1
25°	3505.2	3471.6	3416.9	3413.2	3430.6	3414.4	3283.7	3135.7	2997.6	2886.8	2866.9
27.5°	3624.7	3587.4	3555.0	3577.4	3602.3	3584.9	3439.3	3267.6	3122.0	3010.0	2992.6
30°	3815.1	3769.0	3739.2	3766.5	3815.1	3764.1	3606.0	3424.4	3277.5	3154.3	3145.6
32.5°	4036.6	3984.3	3953.2	3996.7	4040.3	3960.7	3803.9	3629.7	3475.4	3346.0	3331.0
35°	4302.8	4236.9	4190.9	4249.3	4294.1	4215.7	4060.2	3894.7	3723.0	3588.6	3568.7
37.5°	4539.3	4459.6	4428.5	4510.6	4570.4	4519.4	4350.1	4194.6	4006.7	3859.9	3851.2
40°	4711.0	4632.6	4610.2	4745.8	4850.3	4837.9	4686.1	4508.2	4331.5	4162.2	4146.1
42.5°	4785.6	4730.9	4735.9	4918.8	5080.5	5160.2	5024.5	4834.2	4663.7	4488.2	4477.0
45°	4801.8	4768.2	4808.0	5037.0	5249.8	5412.8	5297.1	5137.8	4944.9	4775.7	4770.7
47.5°	4819.2	4800.6	4861.5	5104.2	5356.8	5545.9	5481.2	5317.0	5121.6	4956.1	4943.7
50°	4860.3	4852.8	4921.3	5151.5	5407.8	5582.0	5508.6	5345.6	5145.2	4982.2	4952.4
52.5°	4872.7	4860.3	4958.6	5224.9	5492.4	5580.8	5422.7	5209.9	5008.4	4826.7	4795.6
55°	4911.3	4888.9	4956.1	5252.3	5609.4	5652.9	5417.7	5099.2	4818.0	4570.4	4497.0
57.5°	4921.3	4896.4	4939.9	5207.5	5482.5	5443.9	4762.0	4115.0	3584.9	3309.9	3341.0
60°	4867.8	4875.2	4800.6	4770.7	4397.4	3882.3	2915.4	2330.6	1830.4	1618.9	1664.9
62.5°	3705.6	3736.7	3481.6	3027.4	2328.1	1845.3	1220.7	948.2	802.6	765.3	771.5
65°	1870.2	1912.5	1647.5	1362.5	1012.9	818.8	708.0	685.6	678.2	669.4	669.4
67.5°	740.4	752.8	742.9	695.6	647.0	629.6	624.6	622.2	613.4	608.5	609.7
70°	594.8	604.7	589.8	559.9	540.0	538.8	536.3	531.3	525.1	525.1	528.8
72.5°	485.3	495.2	474.1	455.4	440.5	429.3	423.1	419.3	410.6	410.6	414.4
75°	357.1	363.3	345.9	343.4	327.3	316.1	306.1	301.1	289.9	284.9	288.7
77.5°	237.7	236.4	227.7	227.7	221.5	207.8	196.6	185.4	170.5	160.5	163.0
80°	154.3	154.3	150.6	150.6	144.3	133.1	119.5	108.3	99.5	92.1	92.1
82.5°	98.3	97.1	95.8	94.6	92.1	80.9	70.9	63.5	57.2	52.3	53.5
85°	54.7	54.7	52.3	52.3	47.3	41.1	36.1	31.1	27.4	26.1	26.1
87.5°	18.7	18.7	17.4	17.4	14.9	11.2	8.7	7.5	6.2	5.0	6.2
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)