

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: P636323

Luminaire Tested: GWS-SA3F-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25746.9 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

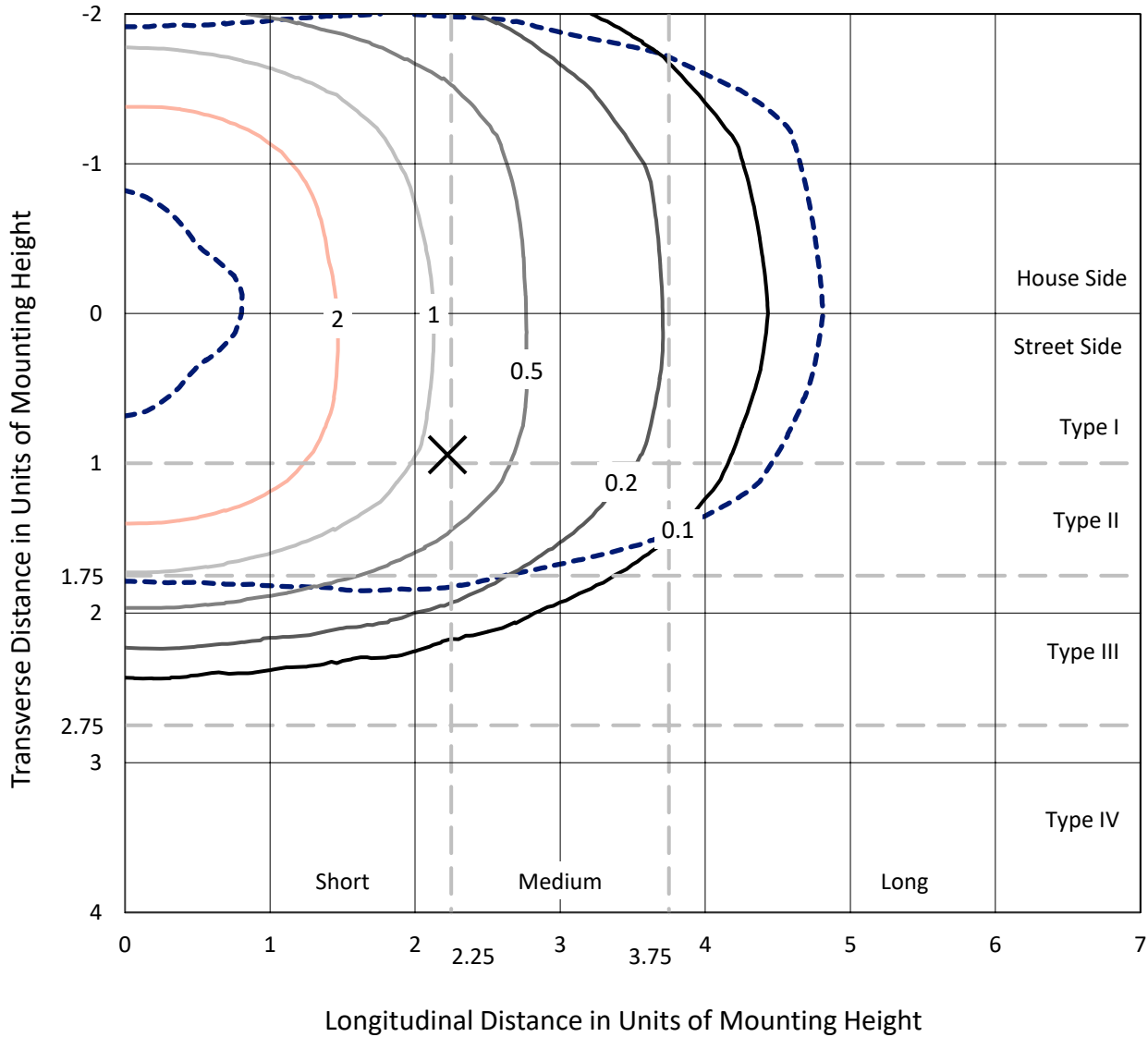
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

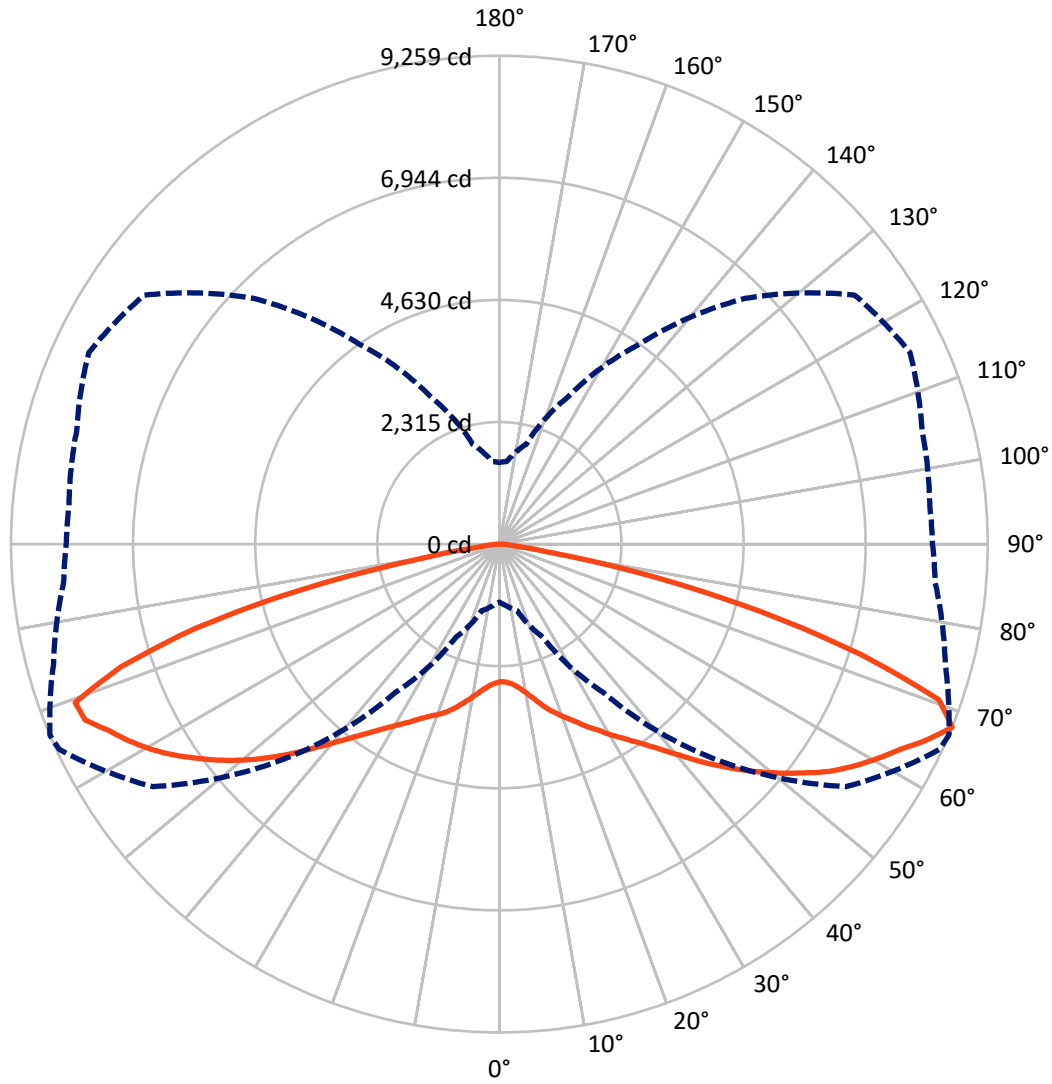
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
Type III - Short - N/A

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CATALOG NUMBER: GWS-SA3F-750-U-RW-W

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12731.4	0.0	12731.4
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	13015.5	0.0	13015.5
	% Fixture	50.6	0.0	50.6
Total	Lumens	25746.9	0.0	25746.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	1.0
10°-20°	864.1	3.4
20°-30°	1695.4	6.6
30°-40°	2888.4	11.2
40°-50°	4638.2	18.0
50°-60°	6302.4	24.5
60°-70°	6028.6	23.4
70°-80°	2866.2	11.1
80°-90°	207.7	0.8
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°	25746.9	100.0
0°-180°	25746.9	100.0

Coefficient of Utilization

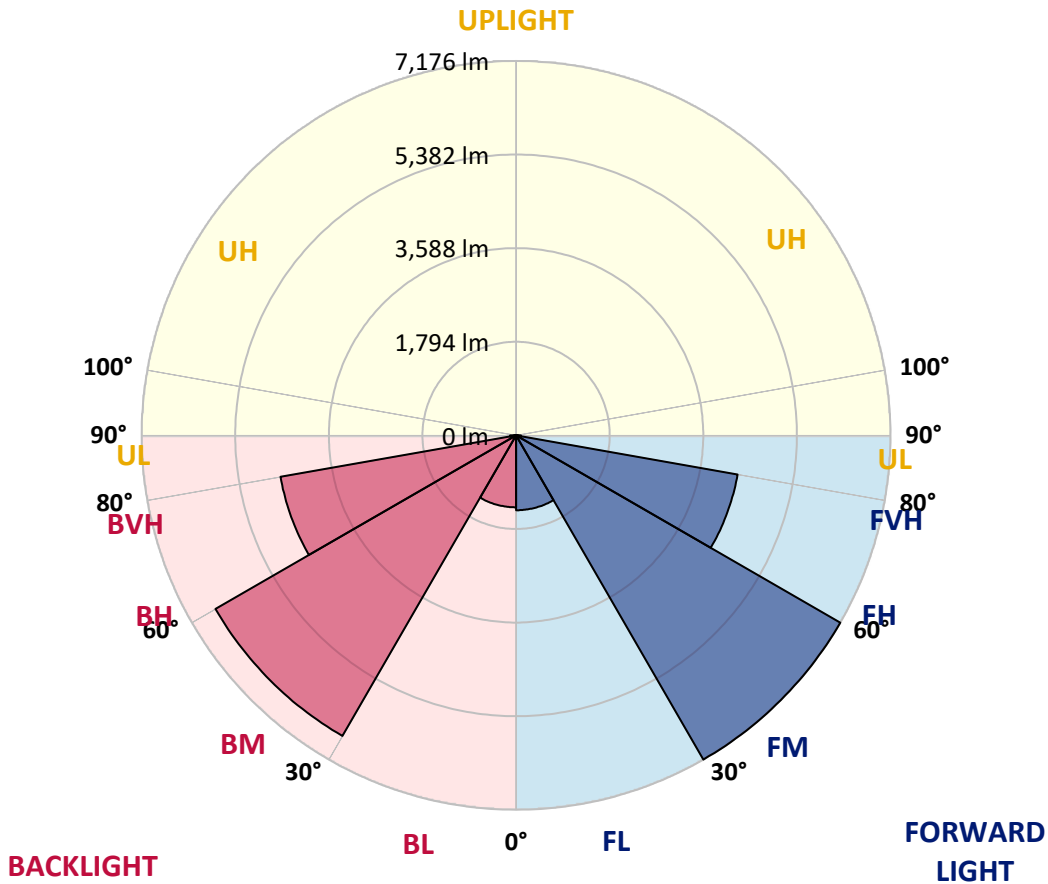


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1435.6	5.6			
FM (30°-60°)	7175.9	27.9			
FH (60°-80°)	4310.7	16.7			G2/5000
FVH (80°-90°)	93.4	0.4			G1/100
BL (0°-30°)	1379.7	5.4	B3/2500		
BM (30°-60°)	6653.1	25.8	B4/8500		
BH (60°-80°)	4584.2	17.8	B4/5000		G4/5000
BVH (80°-90°)	114.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2553.2	2556.8	2562.2	2573.0	2583.7	2599.8	2616.0	2614.2	2621.4	2626.7	2632.1
5°	2538.9	2542.5	2551.4	2565.8	2581.9	2608.8	2642.9	2657.2	2668.0	2687.7	2705.6
7.5°	2569.4	2576.5	2589.1	2608.8	2633.9	2668.0	2714.6	2739.7	2755.8	2791.7	2822.2
10°	2610.6	2619.6	2644.7	2682.3	2720.0	2772.0	2831.1	2868.8	2879.6	2926.2	2983.5
12.5°	2650.0	2660.8	2702.0	2770.2	2838.3	2908.2	2978.2	3024.8	3028.4	3091.1	3155.7
15°	2712.8	2721.8	2777.4	2865.2	2969.2	3066.0	3152.1	3184.4	3198.7	3243.5	3324.2
17.5°	2850.9	2861.6	2933.3	3028.4	3137.7	3239.9	3326.0	3352.9	3352.9	3390.6	3456.9
20°	2999.7	3010.4	3105.5	3227.4	3360.1	3464.1	3530.4	3505.3	3496.3	3507.1	3553.7
22.5°	3166.4	3186.2	3277.6	3419.2	3582.4	3709.7	3743.8	3668.5	3643.4	3618.3	3629.0
25°	3379.8	3403.1	3492.8	3643.4	3802.9	3937.4	3957.1	3840.6	3826.3	3738.4	3706.1
27.5°	3625.4	3643.4	3754.5	3903.4	4052.2	4165.1	4186.6	4043.2	3994.8	3872.9	3797.6
30°	3942.8	3958.9	4055.8	4202.8	4331.9	4410.8	4437.7	4240.4	4202.8	4016.3	3899.8
32.5°	4288.8	4296.0	4394.6	4536.3	4651.0	4726.3	4688.7	4459.2	4403.6	4193.8	4034.2
35°	4685.1	4685.1	4812.4	4927.2	5018.6	5040.1	4968.4	4706.6	4642.1	4414.4	4215.3
37.5°	5074.2	5084.9	5203.3	5339.5	5420.2	5416.6	5285.8	4998.9	4925.4	4677.9	4457.4
40°	5495.5	5518.8	5637.2	5789.6	5866.7	5855.9	5655.1	5336.0	5260.7	4968.4	4753.2
42.5°	5882.8	5920.5	6058.5	6214.5	6298.8	6291.6	6081.8	5723.2	5649.7	5319.8	5104.7
45°	6191.2	6230.7	6402.8	6619.7	6754.2	6741.7	6530.1	6124.9	6035.2	5689.2	5452.5
47.5°	6462.0	6503.2	6695.0	6924.6	7137.9	7159.4	6965.8	6530.1	6435.1	6085.4	5818.3
50°	6669.9	6689.7	6904.8	7155.8	7403.3	7523.4	7354.9	6937.1	6822.4	6476.3	6175.1
52.5°	6653.8	6680.7	6946.1	7286.7	7618.4	7815.7	7699.1	7320.8	7209.6	6833.1	6539.1
55°	6325.7	6352.6	6668.2	7164.8	7738.6	8029.0	8016.5	7686.6	7605.9	7197.1	6917.4
57.5°	5847.0	5906.1	6219.9	6756.0	7580.8	8199.4	8249.6	8020.1	7935.8	7553.9	7292.1
60°	4989.9	5068.8	5431.0	6126.7	7075.2	8142.0	8498.8	8301.6	8249.6	7885.6	7631.0
62.5°	3625.4	3682.8	4165.1	5077.8	6325.7	7733.2	8708.6	8592.0	8552.6	8183.2	7937.6
65°	2171.3	2302.2	2689.5	3591.4	5102.9	6962.2	8593.8	8972.2	8930.9	8489.8	8199.4
67.5°	1099.1	1158.3	1310.7	1947.2	3431.8	5760.9	8018.3	9208.8	9259.0	8751.6	8292.6
70°	681.3	697.5	740.5	961.0	1714.1	3785.0	6557.0	8592.0	8837.7	8710.4	8050.6
72.5°	546.9	550.4	557.6	598.9	823.0	1769.7	4145.4	6729.1	7172.0	8134.8	7704.5
75°	453.6	455.4	457.2	469.8	512.8	722.6	2017.1	4624.1	5142.3	6913.8	7143.3
77.5°	364.0	355.0	362.2	367.6	378.3	403.4	695.7	2467.2	2992.5	4538.1	5524.2
80°	236.7	233.1	247.4	252.8	263.6	279.7	371.2	837.3	1016.6	1651.3	1757.1
82.5°	127.3	120.1	150.6	145.2	150.6	163.2	218.7	306.6	344.3	498.5	421.4
85°	39.4	39.4	41.2	48.4	59.2	57.4	95.0	150.6	166.7	213.4	157.8
87.5°	7.2	7.2	7.2	7.2	7.2	9.0	19.7	30.5	41.2	73.5	55.6
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°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2642.9	2626.7	2635.7	2641.1	2639.3	2635.7	2617.8	2614.2	2605.2	2590.9	2587.3
5°	2721.8	2703.8	2705.6	2700.3	2682.3	2659.0	2619.6	2599.8	2583.7	2565.8	2564.0
7.5°	2845.5	2825.8	2820.4	2795.3	2745.1	2691.3	2628.5	2592.7	2565.8	2542.5	2538.9
10°	3003.3	2983.5	2965.6	2906.4	2824.0	2752.2	2669.8	2617.8	2578.3	2549.6	2544.3
12.5°	3179.0	3162.8	3118.0	3032.0	2933.3	2849.1	2764.8	2700.3	2642.9	2599.8	2594.5
15°	3374.4	3338.6	3270.4	3159.3	3066.0	2997.9	2895.7	2807.8	2716.4	2659.0	2646.5
17.5°	3510.7	3480.2	3399.5	3291.9	3218.4	3159.3	3039.1	2913.6	2789.9	2705.6	2687.7
20°	3607.5	3575.2	3483.8	3404.9	3381.6	3331.4	3191.5	3046.3	2902.9	2798.9	2775.6
22.5°	3677.4	3643.4	3550.1	3510.7	3543.0	3534.0	3397.7	3232.8	3062.4	2938.7	2910.0
25°	3743.8	3711.5	3629.0	3643.4	3729.4	3756.3	3609.3	3417.5	3223.8	3078.6	3044.5
27.5°	3806.5	3765.3	3727.6	3806.5	3928.5	3978.7	3822.7	3605.7	3395.9	3247.1	3220.2
30°	3903.4	3854.9	3849.6	3964.3	4158.0	4201.0	4028.9	3811.9	3603.9	3453.3	3419.2
32.5°	4025.3	3980.5	3984.0	4156.2	4380.3	4416.2	4269.1	4066.5	3858.5	3707.9	3661.3
35°	4190.2	4134.7	4165.1	4376.7	4602.6	4669.0	4550.6	4382.1	4179.5	4025.3	3973.3
37.5°	4417.9	4337.3	4400.0	4622.3	4850.1	4948.7	4857.2	4731.7	4530.9	4374.9	4326.5
40°	4708.4	4642.1	4667.2	4912.8	5147.7	5266.0	5208.7	5084.9	4885.9	4722.8	4667.2
42.5°	5052.7	4986.3	4977.4	5239.1	5474.0	5653.3	5597.7	5484.8	5278.6	5092.1	5038.3
45°	5389.7	5328.8	5341.3	5608.5	5872.1	6067.5	6011.9	5879.2	5655.1	5440.0	5396.9
47.5°	5741.2	5691.0	5701.7	5985.0	6275.5	6470.9	6401.0	6239.6	5977.9	5748.3	5696.4
50°	6101.6	6044.2	6060.3	6358.0	6671.7	6856.4	6748.8	6510.4	6221.7	5997.6	5952.7
52.5°	6460.2	6392.0	6433.3	6714.8	7039.3	7186.3	6987.3	6698.6	6418.9	6196.6	6146.4
55°	6872.6	6800.8	6756.0	7057.2	7378.2	7439.1	7166.6	6829.5	6497.8	6245.0	6214.5
57.5°	7249.1	7188.1	7103.9	7405.1	7641.8	7596.9	7304.7	6793.7	6306.0	5981.4	5938.4
60°	7586.2	7534.2	7460.7	7717.1	7824.6	7724.2	7193.5	6368.7	5832.6	5493.7	5474.0
62.5°	7896.4	7840.8	7772.6	7991.4	7977.0	7744.0	6687.9	5716.1	4998.9	4634.9	4602.6
65°	8142.0	8091.8	8072.1	8244.2	8220.9	7358.5	5900.8	4647.4	3652.3	3241.7	3229.2
67.5°	8211.9	8192.2	8298.0	8590.2	8226.3	6583.9	4627.7	3082.2	1961.5	1572.5	1549.1
70°	7950.1	7948.4	8251.4	8669.1	7480.4	5029.4	2730.7	1389.6	986.1	875.0	860.6
72.5°	7609.5	7604.1	7844.4	7478.6	5547.5	2752.2	1149.3	744.1	616.8	586.3	586.3
75°	7050.1	7035.7	7216.8	5689.2	3119.8	1036.4	609.6	511.0	484.1	478.7	478.7
77.5°	5746.6	5626.4	5341.3	3516.1	1088.3	509.2	403.4	401.6	385.5	383.7	383.7
80°	1889.8	1889.8	2196.4	1341.2	480.5	313.8	285.1	299.4	283.3	272.5	270.7
82.5°	308.4	424.9	604.2	383.7	260.0	195.4	175.7	186.5	195.4	156.0	156.0
85°	121.9	159.6	233.1	179.3	120.1	78.9	84.3	93.2	82.5	71.7	69.9
87.5°	46.6	57.4	82.5	43.0	25.1	14.3	9.0	9.0	7.2	7.2	7.2
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)