

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: P636268

Luminaire Tested: GWS-SA3F-740-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636268
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-740-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25170.1 lumens
Efficiency: N/A
Efficacy: 137.4 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

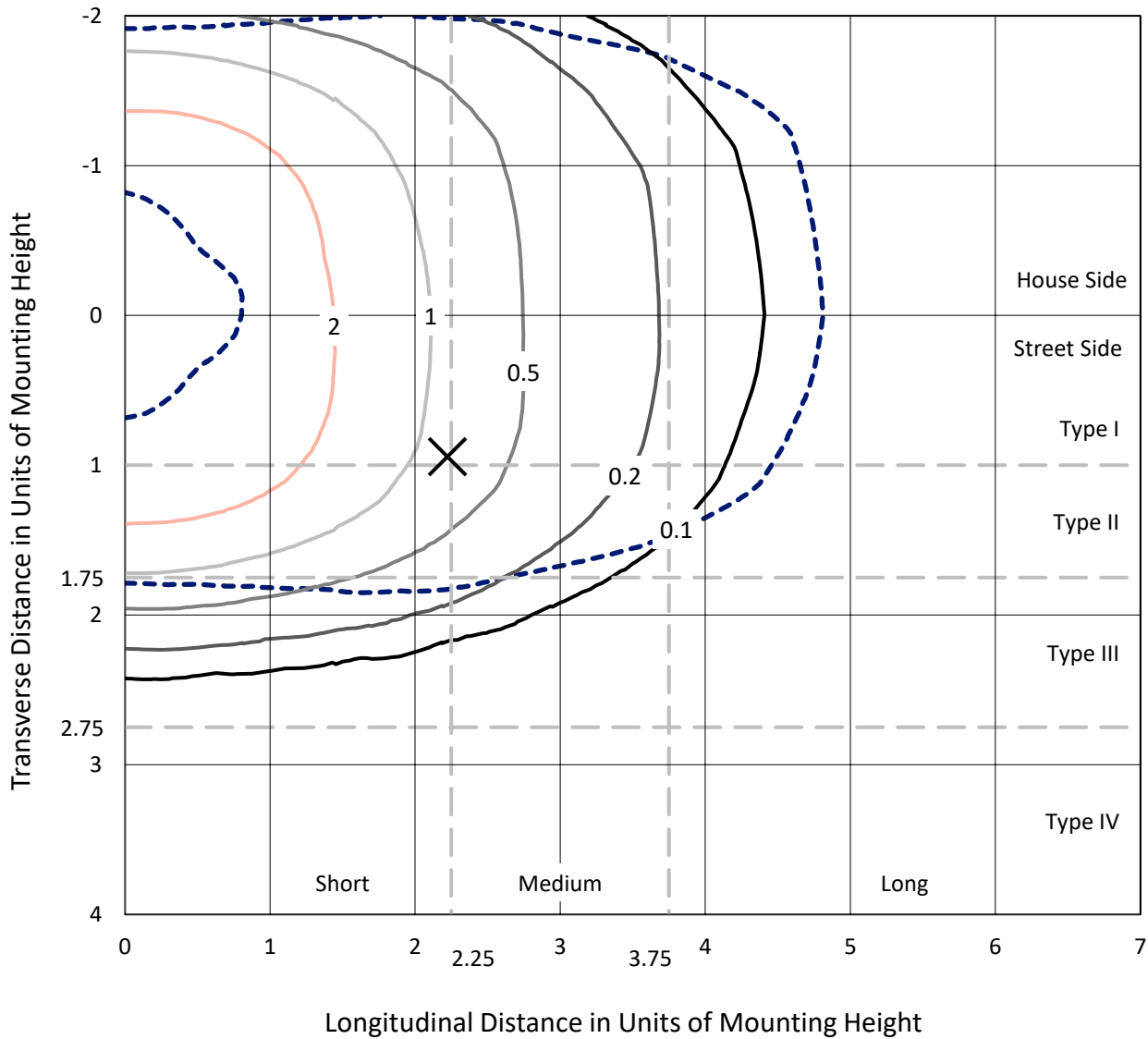
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636268
 CATALOG NUMBER: GWS-SA3F-740-U-RW-W

Iso-Footcandle Lines of Horizontal Illumination

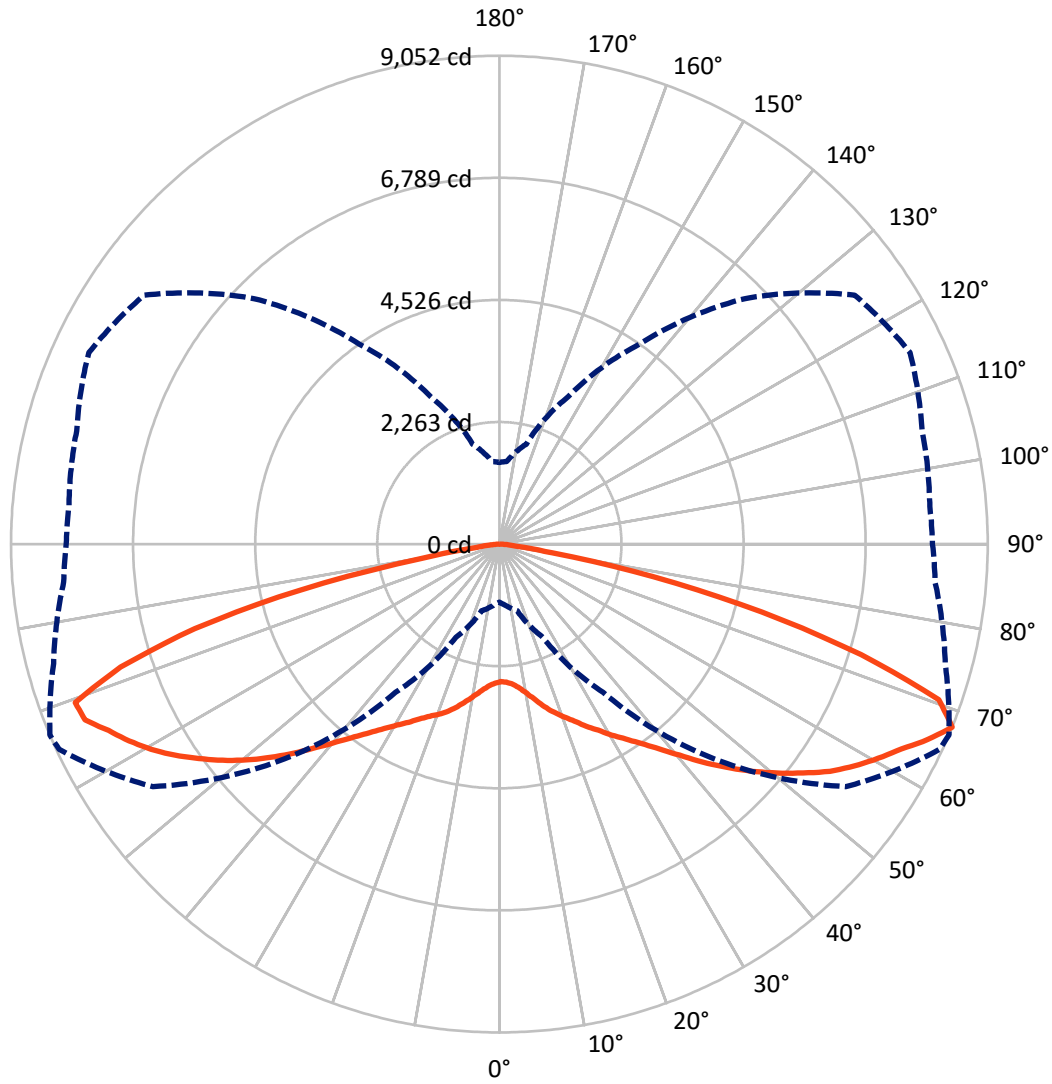
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Short - N/A

REPORT NUMBER: P636268
CATALOG NUMBER: GWS-SA3F-740-U-RW-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636268

CATALOG NUMBER: GWS-SA3F-740-U-RW-W

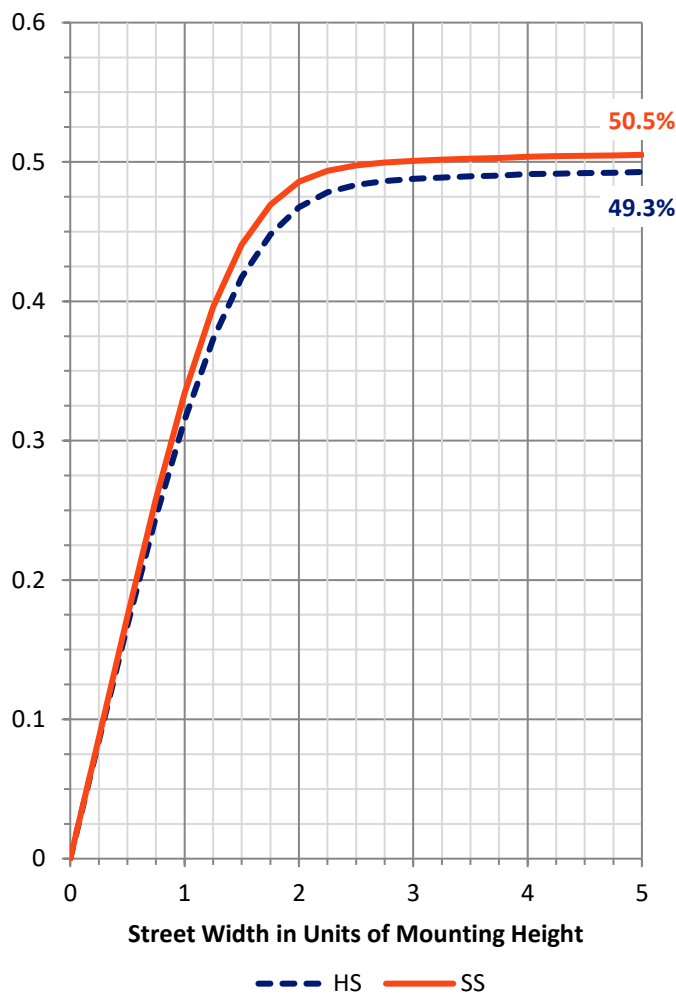
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12446.2	0.0	12446.2
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	12723.9	0.0	12723.9
	% Fixture	50.6	0.0	50.6
Total	Lumens	25170.1	0.0	25170.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.1	1.0
10°-20°	844.8	3.4
20°-30°	1657.4	6.6
30°-40°	2823.7	11.2
40°-50°	4534.3	18.0
50°-60°	6161.2	24.5
60°-70°	5893.6	23.4
70°-80°	2802.0	11.1
80°-90°	203.1	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°	25170.1	100.0
0°-180°	25170.1	100.0

Coefficient of Utilization



REPORT NUMBER: P636268

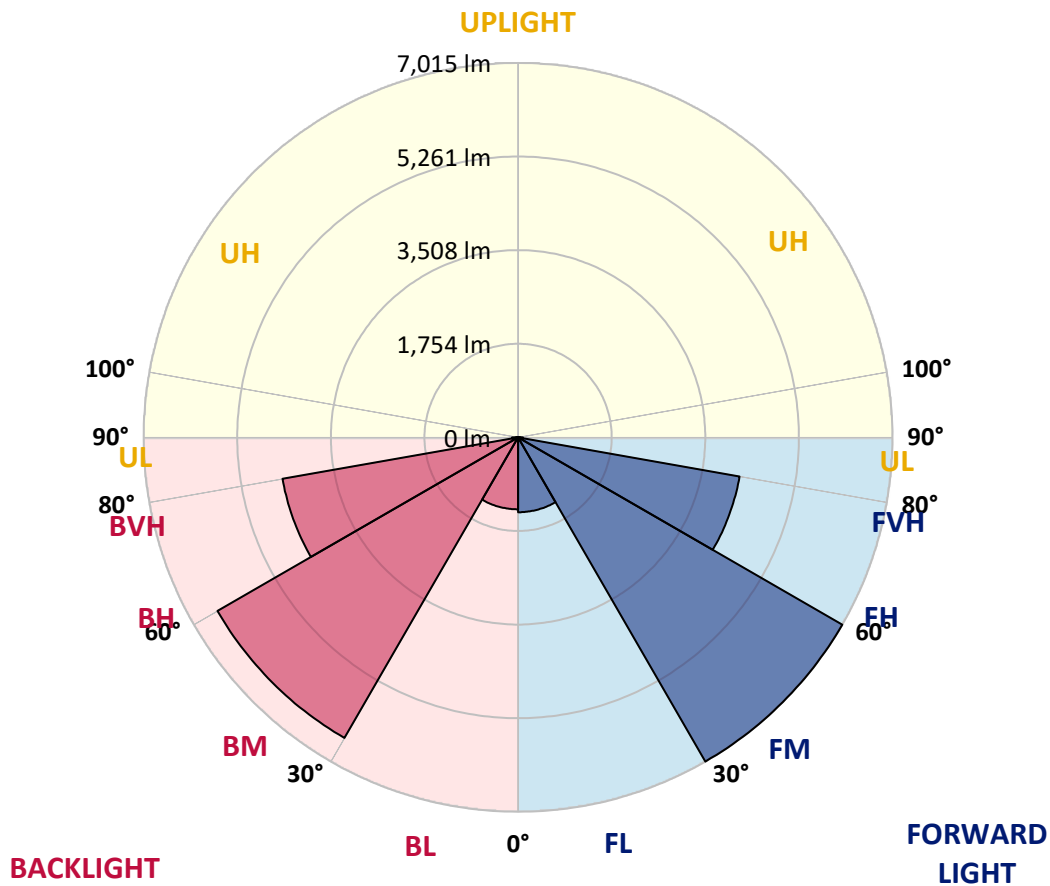
CATALOG NUMBER: GWS-SA3F-740-U-RW-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.4	5.6			
FM (30°-60°)	7015.1	27.9			
FH (60°-80°)	4214.1	16.7			G2/5000
FVH (80°-90°)	91.3	0.4			G1/100
BL (0°-30°)	1348.8	5.4	B3/2500		
BM (30°-60°)	6504.1	25.8	B4/8500		
BH (60°-80°)	4481.5	17.8	B4/5000		G4/5000
BVH (80°-90°)	111.8	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





REPORT NUMBER: P636268
 CATALOG NUMBER: GWS-SA3F-740-U-RW-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6
2.5°	2496.0	2499.5	2504.8	2515.3	2525.8	2541.6	2557.4	2555.6	2562.6	2567.9	2573.2
5°	2482.0	2485.5	2494.3	2508.3	2524.1	2550.4	2583.7	2597.7	2608.2	2627.5	2645.0
7.5°	2511.8	2518.8	2531.1	2550.4	2574.9	2608.2	2653.8	2678.3	2694.1	2729.2	2759.0
10°	2552.1	2560.9	2585.4	2622.2	2659.0	2709.9	2767.7	2804.5	2815.0	2860.6	2916.7
12.5°	2590.7	2601.2	2641.5	2708.1	2774.7	2843.1	2911.4	2957.0	2960.5	3021.9	3085.0
15°	2652.0	2660.8	2715.1	2801.0	2902.7	2997.3	3081.5	3113.0	3127.0	3170.9	3249.7
17.5°	2787.0	2797.5	2867.6	2960.5	3067.5	3167.4	3251.5	3277.8	3277.8	3314.6	3379.5
20°	2932.5	2943.0	3035.9	3155.1	3284.8	3386.5	3451.3	3426.8	3418.0	3428.5	3474.1
22.5°	3095.5	3114.8	3204.2	3342.6	3502.2	3626.6	3659.9	3586.3	3561.7	3537.2	3547.7
25°	3304.1	3326.9	3414.5	3561.7	3717.7	3849.2	3868.5	3754.6	3740.5	3654.6	3623.1
27.5°	3544.2	3561.7	3670.4	3815.9	3961.4	4071.8	4092.9	3952.6	3905.3	3786.1	3712.5
30°	3854.5	3870.2	3964.9	4108.6	4234.8	4312.0	4338.3	4145.4	4108.6	3926.3	3812.4
32.5°	4192.8	4199.8	4296.2	4434.7	4546.8	4620.5	4583.6	4359.3	4304.9	4099.9	3943.9
35°	4580.1	4580.1	4704.6	4816.8	4906.2	4927.2	4857.1	4601.2	4538.1	4315.5	4120.9
37.5°	4960.5	4971.0	5086.7	5219.9	5298.8	5295.3	5167.3	4886.9	4815.0	4573.1	4357.5
40°	5372.4	5395.2	5510.9	5659.9	5735.3	5724.7	5528.4	5216.4	5142.8	4857.1	4646.7
42.5°	5751.0	5787.8	5922.8	6075.3	6157.7	6150.7	5945.6	5595.0	5523.2	5200.6	4990.3
45°	6052.5	6091.1	6259.4	6471.4	6602.9	6590.6	6383.8	5987.7	5900.0	5561.7	5330.4
47.5°	6317.2	6357.5	6545.1	6769.4	6978.0	6999.0	6809.7	6383.8	6290.9	5949.1	5687.9
50°	6520.5	6539.8	6750.1	6995.5	7237.4	7354.9	7190.1	6781.7	6669.5	6331.2	6036.7
52.5°	6504.7	6531.0	6790.5	7123.5	7447.8	7640.6	7526.6	7156.8	7048.1	6680.0	6392.6
55°	6184.0	6210.3	6518.8	7004.3	7565.2	7849.2	7836.9	7514.4	7435.5	7035.9	6762.4
57.5°	5716.0	5773.8	6080.6	6604.7	7411.0	8015.7	8064.8	7840.4	7758.0	7384.7	7128.8
60°	4878.1	4955.2	5309.3	5989.4	6916.7	7959.6	8308.4	8115.6	8064.8	7708.9	7460.0
62.5°	3544.2	3600.3	4071.8	4964.0	6184.0	7560.0	8513.5	8399.6	8361.0	7999.9	7759.8
65°	2122.7	2250.6	2629.2	3510.9	4988.6	6806.2	8401.3	8771.2	8730.8	8299.6	8015.7
67.5°	1074.5	1132.3	1281.3	1903.6	3354.9	5631.8	7838.6	9002.5	9051.6	8555.6	8106.8
70°	666.1	681.9	723.9	939.5	1675.7	3700.2	6410.1	8399.6	8639.7	8515.2	7870.2
72.5°	534.6	538.1	545.1	585.4	804.5	1730.0	4052.5	6578.4	7011.3	7952.6	7531.9
75°	443.5	445.2	447.0	459.2	501.3	706.4	1971.9	4520.5	5027.1	6758.9	6983.3
77.5°	355.8	347.1	354.1	359.3	369.8	394.4	680.1	2411.9	2925.5	4436.4	5400.5
80°	231.4	227.9	241.9	247.1	257.7	273.4	362.8	818.6	993.9	1614.4	1717.8
82.5°	124.5	117.4	147.2	142.0	147.2	159.5	213.8	299.7	336.5	487.3	411.9
85°	38.6	38.6	40.3	47.3	57.8	56.1	92.9	147.2	163.0	208.6	154.2
87.5°	7.0	7.0	7.0	7.0	7.0	8.8	19.3	29.8	40.3	71.9	54.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636268
 CATALOG NUMBER: GWS-SA3F-740-U-RW-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6	2548.6
2.5°	2583.7	2567.9	2576.7	2581.9	2580.2	2576.7	2559.1	2555.6	2546.9	2532.8	2529.3
5°	2660.8	2643.3	2645.0	2639.8	2622.2	2599.4	2560.9	2541.6	2525.8	2508.3	2506.5
7.5°	2781.7	2762.5	2757.2	2732.7	2683.6	2631.0	2569.6	2534.6	2508.3	2485.5	2482.0
10°	2936.0	2916.7	2899.2	2841.3	2760.7	2690.6	2610.0	2559.1	2520.6	2492.5	2487.3
12.5°	3107.8	3092.0	3048.2	2964.0	2867.6	2785.2	2702.9	2639.8	2583.7	2541.6	2536.3
15°	3298.8	3263.8	3197.2	3088.5	2997.3	2930.7	2830.8	2744.9	2655.5	2599.4	2587.2
17.5°	3432.0	3402.2	3323.4	3218.2	3146.3	3088.5	2971.0	2848.3	2727.4	2645.0	2627.5
20°	3526.7	3495.1	3405.7	3328.6	3305.8	3256.8	3120.0	2978.1	2837.8	2736.2	2713.4
22.5°	3595.1	3561.7	3470.6	3432.0	3463.6	3454.8	3321.6	3160.4	2993.8	2872.9	2844.8
25°	3659.9	3628.4	3547.7	3561.7	3645.9	3672.2	3528.4	3340.9	3151.6	3009.6	2976.3
27.5°	3721.3	3680.9	3644.1	3721.3	3840.4	3889.5	3737.0	3524.9	3319.9	3174.4	3148.1
30°	3815.9	3768.6	3763.3	3875.5	4064.8	4106.9	3938.6	3726.5	3523.2	3375.9	3342.6
32.5°	3935.1	3891.3	3894.8	4063.1	4282.2	4317.2	4173.5	3975.4	3772.1	3624.8	3579.3
35°	4096.4	4042.0	4071.8	4278.7	4499.5	4564.4	4448.7	4283.9	4085.8	3935.1	3884.3
37.5°	4319.0	4240.1	4301.4	4518.8	4741.4	4837.8	4748.4	4625.7	4429.4	4276.9	4229.6
40°	4602.9	4538.1	4562.6	4802.8	5032.4	5148.1	5092.0	4971.0	4776.5	4617.0	4562.6
42.5°	4939.5	4874.6	4865.9	5121.8	5351.4	5526.7	5472.3	5361.9	5160.3	4978.0	4925.4
45°	5269.0	5209.4	5221.7	5482.8	5740.5	5931.6	5877.2	5747.5	5528.4	5318.1	5276.0
47.5°	5612.6	5563.5	5574.0	5850.9	6134.9	6326.0	6257.6	6099.8	5843.9	5619.6	5568.7
50°	5964.9	5908.8	5924.6	6215.5	6522.3	6702.8	6597.6	6364.5	6082.3	5863.2	5819.4
52.5°	6315.4	6248.8	6289.1	6564.3	6881.6	7025.3	6830.8	6548.6	6275.1	6057.8	6008.7
55°	6718.6	6648.5	6604.7	6899.1	7212.9	7272.5	7006.1	6676.5	6352.3	6105.1	6075.3
57.5°	7086.7	7027.1	6944.7	7239.2	7470.6	7426.7	7141.0	6641.5	6164.7	5847.4	5805.4
60°	7416.2	7365.4	7293.5	7544.2	7649.3	7551.2	7032.3	6226.0	5702.0	5370.7	5351.4
62.5°	7719.5	7665.1	7598.5	7812.4	7798.3	7570.5	6538.1	5588.0	4886.9	4531.1	4499.5
65°	7959.6	7910.5	7891.2	8059.5	8036.7	7193.6	5768.6	4543.3	3570.5	3169.1	3156.8
67.5°	8028.0	8008.7	8112.1	8397.8	8042.0	6436.4	4524.1	3013.1	1917.6	1537.2	1514.4
70°	7772.0	7770.3	8066.5	8474.9	7312.8	4916.7	2669.6	1358.4	964.1	855.4	841.4
72.5°	7439.0	7433.7	7668.6	7311.0	5423.3	2690.6	1123.6	727.4	603.0	573.2	573.2
75°	6892.1	6878.1	7055.1	5561.7	3049.9	1013.1	596.0	499.6	473.3	468.0	468.0
77.5°	5617.8	5500.4	5221.7	3437.3	1064.0	497.8	394.4	392.6	376.9	375.1	375.1
80°	1847.5	1847.5	2147.2	1311.1	469.8	306.7	278.7	292.7	276.9	266.4	264.7
82.5°	301.5	415.4	590.7	375.1	254.2	191.1	171.8	182.3	191.1	152.5	152.5
85°	119.2	156.0	227.9	175.3	117.4	77.1	82.4	91.1	80.6	70.1	68.4
87.5°	45.6	56.1	80.6	42.1	24.5	14.0	8.8	8.8	7.0	7.0	7.0
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)