

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: P639292

Luminaire Tested: GWS-SA5B-750-U-RW-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639292
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-SA5B-750-U-RW-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16011.1 lumens
Efficiency: N/A
Efficacy: 138.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 115.7
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

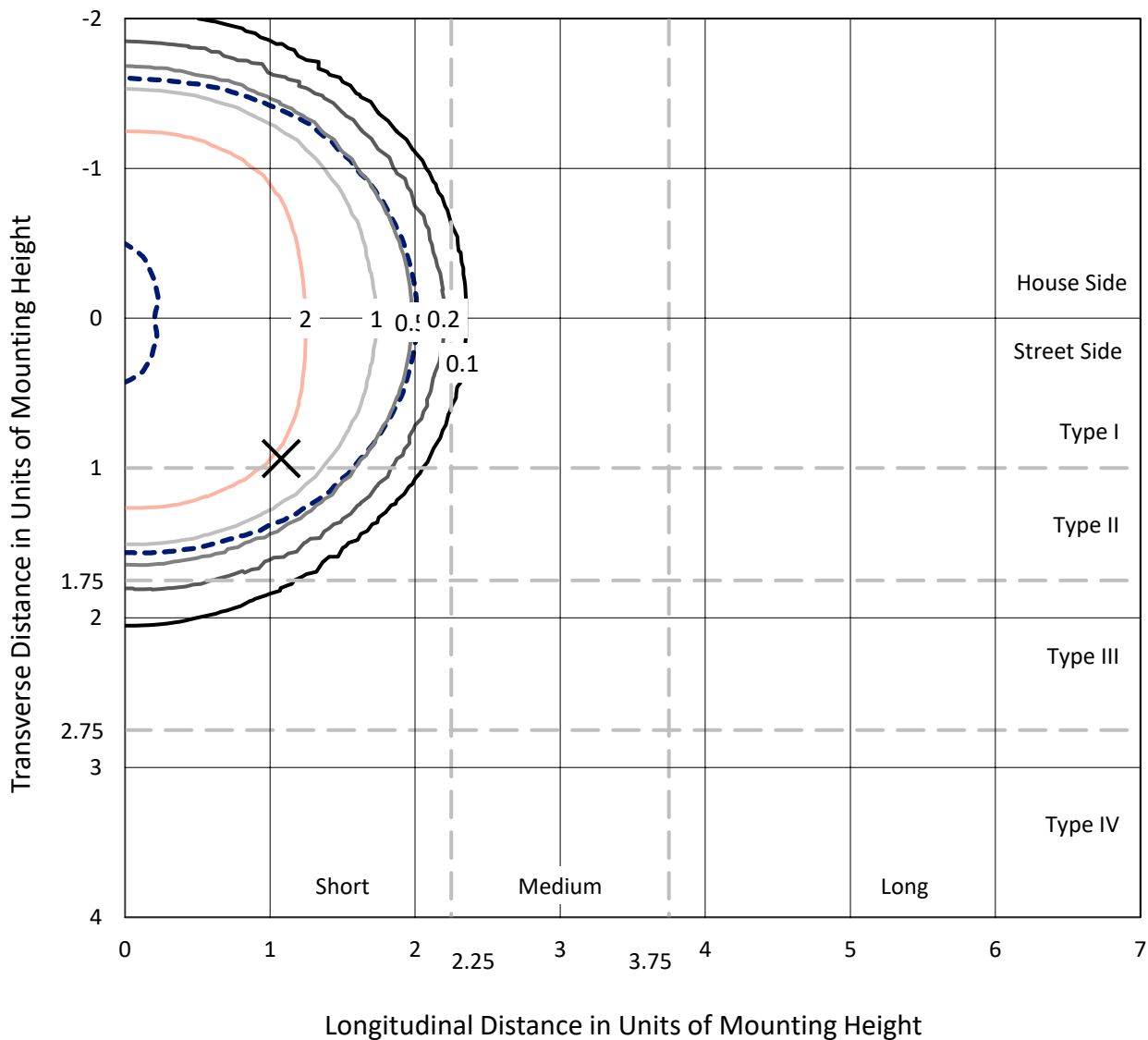


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Iso-Footcandle Lines of Horizontal Illumination

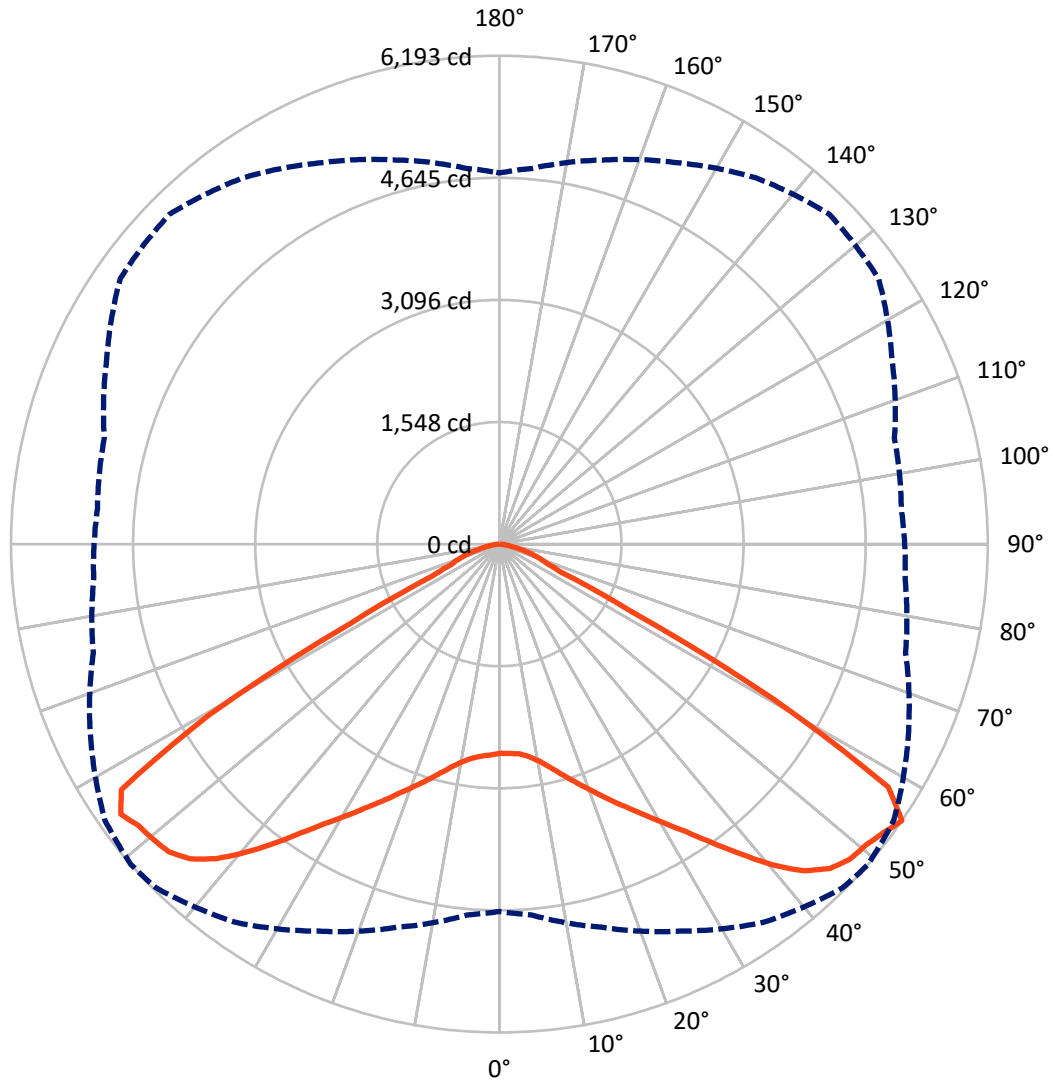
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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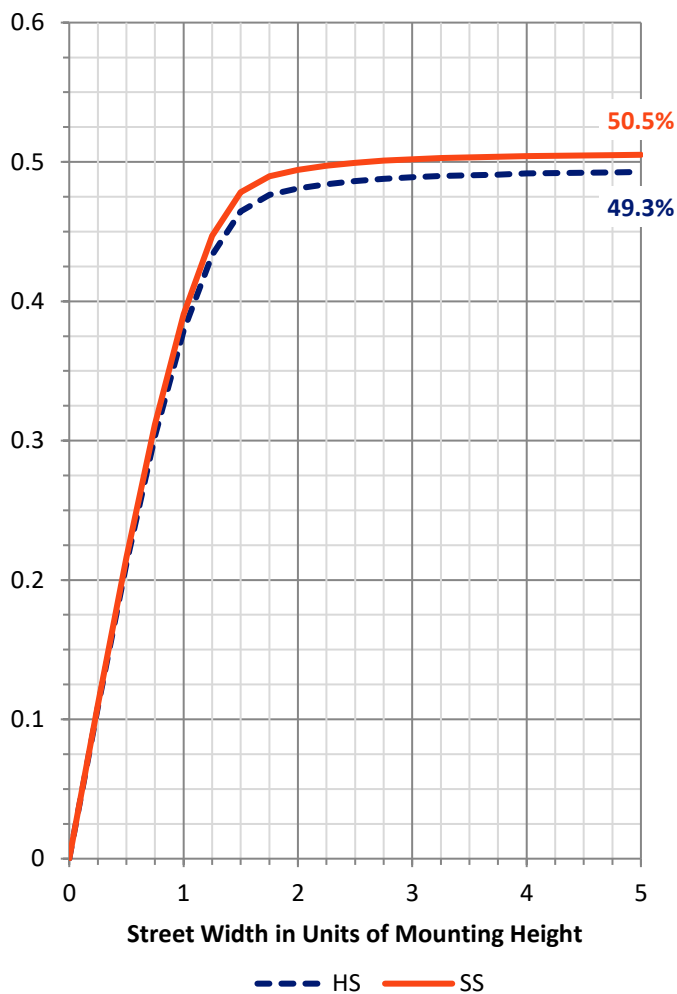
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7927.0	0.0	7927.0
	% Fixture	49.5	0.0	49.5
Street Side	Lumens	8084.1	0.0	8084.1
	% Fixture	50.5	0.0	50.5
Total	Lumens	16011.1	0.0	16011.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	1.6
10°-20°	853.4	5.3
20°-30°	1625.5	10.2
30°-40°	2755.6	17.2
40°-50°	4147.0	25.9
50°-60°	4539.3	28.4
60°-70°	1435.3	9.0
70°-80°	344.5	2.2
80°-90°	51.7	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°	16011.1	100.0
0°-180°	16011.1	100.0

Coefficient of Utilization



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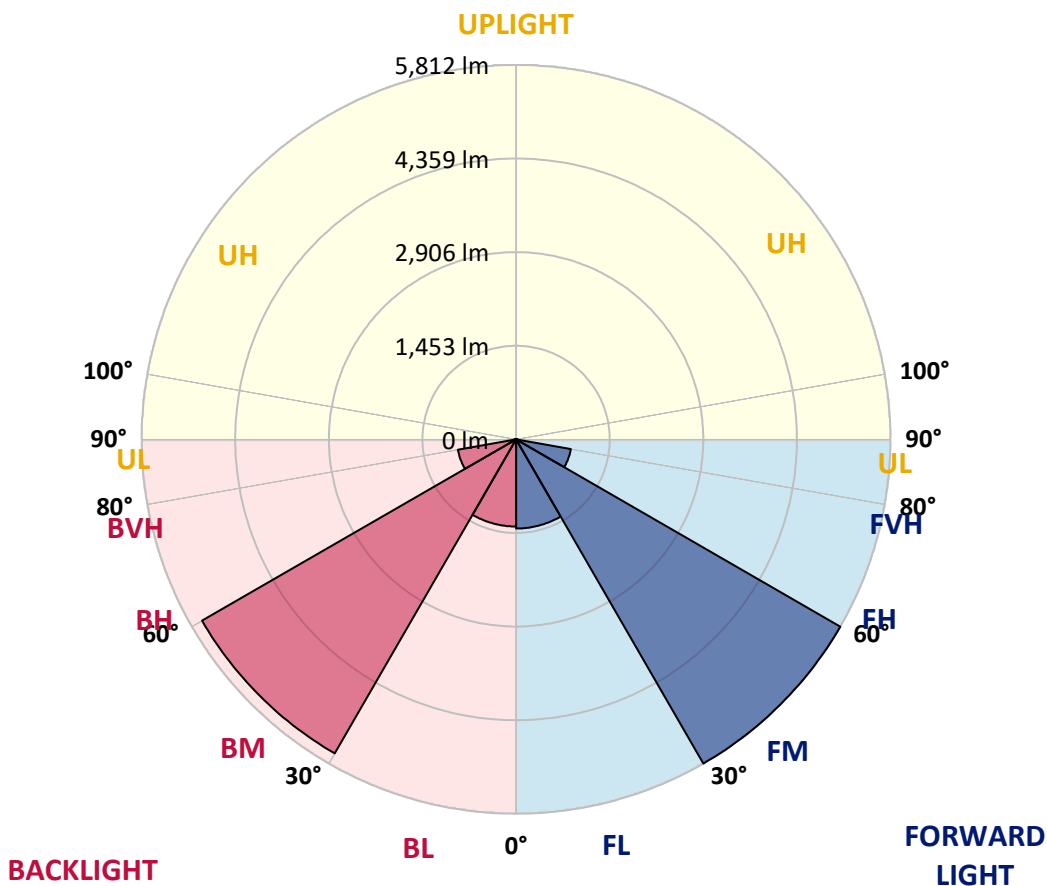
CATALOG NUMBER: GWS-SA5B-750-U-RW-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1384.3	8.6			
FM (30°-60°)	5812.5	36.3			
FH (60°-80°)	863.4	5.4			G1/1800
FVH (80°-90°)	23.9	0.1			G1/100
BL (0°-30°)	1353.4	8.5	B3/2500		
BM (30°-60°)	5629.4	35.2	B4/8500		
BH (60°-80°)	916.5	5.7	B2/1000		G1/1800
BVH (80°-90°)	27.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

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°	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3
2.5°	2613.3	2615.9	2621.1	2630.2	2639.3	2652.3	2657.5	2664.1	2662.8	2670.6	2670.6
5°	2600.3	2604.2	2612.0	2625.0	2640.6	2665.4	2671.9	2687.5	2703.1	2722.6	2729.2
7.5°	2615.9	2621.1	2630.2	2651.0	2674.5	2707.0	2720.0	2746.1	2776.0	2811.2	2825.5
10°	2645.8	2652.3	2668.0	2701.8	2739.6	2789.1	2800.8	2833.3	2881.5	2929.7	2958.3
12.5°	2679.7	2690.1	2718.7	2772.1	2828.1	2893.2	2911.4	2951.8	3003.9	3066.4	3105.5
15°	2718.7	2727.9	2772.1	2847.6	2934.9	3020.8	3041.7	3080.7	3139.3	3200.5	3255.2
17.5°	2800.8	2816.4	2868.5	2955.7	3057.3	3158.8	3182.3	3226.6	3273.4	3321.6	3373.7
20°	2912.8	2925.8	2992.2	3100.3	3220.0	3312.5	3335.9	3375.0	3397.1	3421.9	3466.1
22.5°	3024.7	3043.0	3118.5	3246.1	3386.7	3487.0	3505.2	3541.7	3526.0	3518.2	3546.9
25°	3164.1	3188.8	3263.0	3402.3	3545.6	3669.3	3683.6	3714.8	3688.8	3648.4	3647.1
27.5°	3337.2	3359.4	3436.2	3579.4	3721.3	3850.2	3877.6	3919.3	3862.0	3812.5	3777.3
30°	3543.0	3557.3	3641.9	3794.3	3940.1	4062.5	4097.6	4139.3	4096.3	4014.3	3979.2
32.5°	3782.5	3802.1	3899.7	4059.9	4190.1	4312.5	4347.6	4399.7	4352.9	4260.4	4216.1
35°	4070.3	4089.8	4192.7	4367.2	4500.0	4626.3	4651.0	4694.0	4635.4	4528.6	4493.5
37.5°	4382.8	4407.5	4537.7	4703.1	4842.4	4989.6	4990.9	5003.9	4920.6	4787.7	4748.7
40°	4734.4	4766.9	4897.1	5069.0	5237.0	5356.8	5355.5	5319.0	5178.4	4972.6	4912.7
42.5°	5082.0	5108.1	5239.6	5416.7	5584.6	5697.9	5664.0	5575.5	5372.4	5092.4	5013.0
45°	5333.3	5352.8	5490.9	5690.1	5860.7	5931.0	5869.8	5763.0	5488.3	5168.0	5050.8
47.5°	5451.8	5477.8	5617.2	5815.1	6007.8	6048.2	5975.2	5875.0	5556.0	5238.3	5080.7
50°	5388.0	5421.9	5579.4	5763.0	5980.5	6063.8	6011.7	5911.4	5627.6	5307.3	5134.1
52.5°	5222.6	5255.2	5454.4	5677.1	5923.2	6088.5	6087.2	6005.2	5709.6	5326.8	5136.7
55°	4657.5	4721.3	5031.2	5415.3	5852.8	6161.4	6192.7	6105.5	5722.6	5332.0	5164.0
57.5°	3031.2	3143.2	3437.5	3937.5	4815.1	5604.1	5815.1	5835.9	5628.9	5309.9	5169.3
60°	1265.6	1355.5	1588.5	1920.6	2645.8	3584.6	3993.5	4403.6	4898.4	5078.1	5121.1
62.5°	786.5	794.3	817.7	893.2	1135.4	1593.7	1856.8	2240.9	2976.6	3602.9	3891.9
65°	709.6	713.5	718.7	713.5	725.3	781.2	851.6	985.7	1285.2	1596.3	1966.1
67.5°	625.0	630.2	634.1	630.2	634.1	636.7	644.5	656.2	710.9	755.2	789.1
70°	505.2	513.0	519.5	516.9	532.6	532.6	540.4	549.5	576.8	609.4	632.8
72.5°	385.4	378.9	386.7	389.3	403.6	411.5	423.2	433.6	464.8	484.4	514.3
75°	250.0	243.5	255.2	261.7	281.2	291.7	302.1	312.5	334.6	347.7	376.3
77.5°	135.4	134.1	145.8	154.9	175.8	188.8	196.6	204.4	222.7	226.6	244.8
80°	78.1	78.1	85.9	92.4	105.5	119.8	127.6	134.1	147.1	151.0	158.9
82.5°	43.0	43.0	46.9	50.8	61.2	69.0	75.5	80.7	92.4	96.4	100.3
85°	20.8	19.5	22.1	24.7	28.6	32.6	36.5	39.1	48.2	50.8	56.0
87.5°	2.6	2.6	2.6	3.9	5.2	7.8	9.1	9.1	14.3	16.9	19.5
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°	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3	2652.3
2.5°	2678.4	2661.5	2671.9	2675.8	2675.8	2671.9	2654.9	2649.7	2641.9	2630.2	2630.2
5°	2738.3	2725.3	2727.9	2721.3	2705.7	2686.2	2654.9	2639.3	2626.3	2612.0	2610.7
7.5°	2841.1	2824.2	2821.6	2796.9	2755.2	2713.5	2666.7	2638.0	2618.5	2600.3	2599.0
10°	2975.3	2959.6	2940.1	2890.6	2829.4	2768.2	2704.4	2665.4	2636.7	2610.7	2609.4
12.5°	3125.0	3106.8	3070.3	2997.4	2920.6	2860.7	2787.8	2727.9	2684.9	2649.7	2643.2
15°	3287.8	3261.7	3199.2	3113.3	3037.8	2973.9	2895.8	2809.9	2744.8	2688.8	2682.3
17.5°	3412.8	3378.9	3311.2	3230.5	3168.0	3104.2	3002.6	2894.5	2800.8	2730.5	2720.0
20°	3498.7	3471.3	3394.5	3334.6	3298.2	3242.2	3123.7	3001.3	2895.8	2807.3	2802.1
22.5°	3578.1	3545.6	3470.0	3434.9	3434.9	3397.1	3283.8	3139.3	3015.6	2912.8	2899.7
25°	3668.0	3632.8	3575.5	3571.6	3589.8	3572.9	3436.2	3281.2	3136.7	3020.8	3000.0
27.5°	3793.0	3753.9	3720.0	3743.5	3769.5	3751.3	3598.9	3419.3	3266.9	3149.7	3131.5
30°	3992.2	3944.0	3912.7	3941.4	3992.2	3938.8	3773.4	3583.3	3429.7	3300.8	3291.7
32.5°	4223.9	4169.3	4136.7	4182.3	4227.9	4144.5	3980.5	3798.2	3636.7	3501.3	3485.7
35°	4502.6	4433.6	4385.4	4446.6	4493.5	4411.4	4248.7	4075.5	3895.8	3755.2	3734.4
37.5°	4750.0	4666.7	4634.1	4720.0	4782.5	4729.2	4552.1	4389.3	4192.7	4039.1	4029.9
40°	4929.7	4847.6	4824.2	4966.1	5075.5	5062.5	4903.6	4717.4	4532.5	4355.5	4338.5
42.5°	5007.8	4950.5	4955.7	5147.1	5316.4	5399.7	5257.8	5058.6	4880.2	4696.6	4684.9
45°	5024.7	4989.6	5031.2	5270.8	5493.5	5664.0	5543.0	5376.3	5174.5	4997.4	4992.2
47.5°	5043.0	5023.4	5087.2	5341.1	5605.5	5803.4	5735.7	5563.8	5359.4	5186.2	5173.2
50°	5085.9	5078.1	5149.7	5390.6	5658.8	5841.1	5764.3	5593.7	5384.1	5213.5	5182.3
52.5°	5098.9	5085.9	5188.8	5467.4	5747.4	5839.8	5674.5	5451.8	5240.9	5050.8	5018.2
55°	5139.3	5115.9	5186.2	5496.1	5869.8	5915.3	5669.3	5335.9	5041.7	4782.5	4705.7
57.5°	5149.7	5123.7	5169.3	5449.2	5737.0	5696.6	4983.1	4306.0	3751.3	3463.5	3496.1
60°	5093.7	5101.5	5023.4	4992.2	4601.5	4062.5	3050.8	2438.8	1915.4	1694.0	1742.2
62.5°	3877.6	3910.1	3643.2	3168.0	2436.2	1931.0	1277.3	992.2	839.8	800.8	807.3
65°	1957.0	2001.3	1724.0	1425.8	1059.9	856.8	740.9	717.4	709.6	700.5	700.5
67.5°	774.7	787.8	777.3	727.9	677.1	658.9	653.6	651.0	641.9	636.7	638.0
70°	622.4	632.8	617.2	585.9	565.1	563.8	561.2	556.0	549.5	549.5	553.4
72.5°	507.8	518.2	496.1	476.6	460.9	449.2	442.7	438.8	429.7	429.7	433.6
75°	373.7	380.2	362.0	359.4	342.4	330.7	320.3	315.1	303.4	298.2	302.1
77.5°	248.7	247.4	238.3	238.3	231.8	217.4	205.7	194.0	178.4	168.0	170.6
80°	161.5	161.5	157.6	157.6	151.0	139.3	125.0	113.3	104.2	96.4	96.4
82.5°	102.9	101.6	100.3	99.0	96.4	84.6	74.2	66.4	59.9	54.7	56.0
85°	57.3	57.3	54.7	54.7	49.5	43.0	37.8	32.6	28.6	27.3	27.3
87.5°	19.5	19.5	18.2	18.2	15.6	11.7	9.1	7.8	6.5	5.2	6.5
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)