

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: P641768

Luminaire Tested: GWS-SA6B-750-U-RW-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641768
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-SA6B-750-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22295.1 lumens
Efficiency: N/A
Efficacy: 160.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

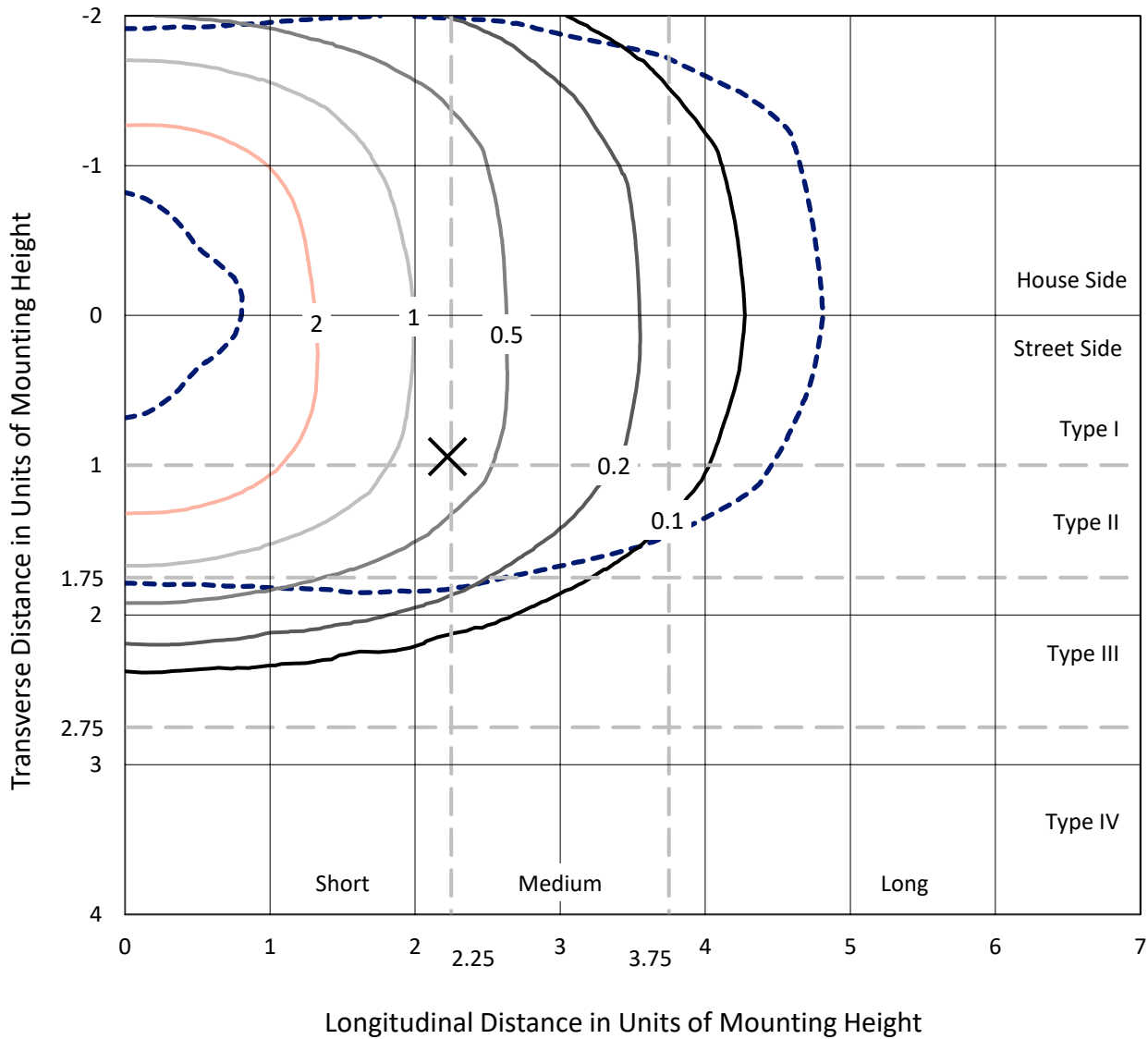
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

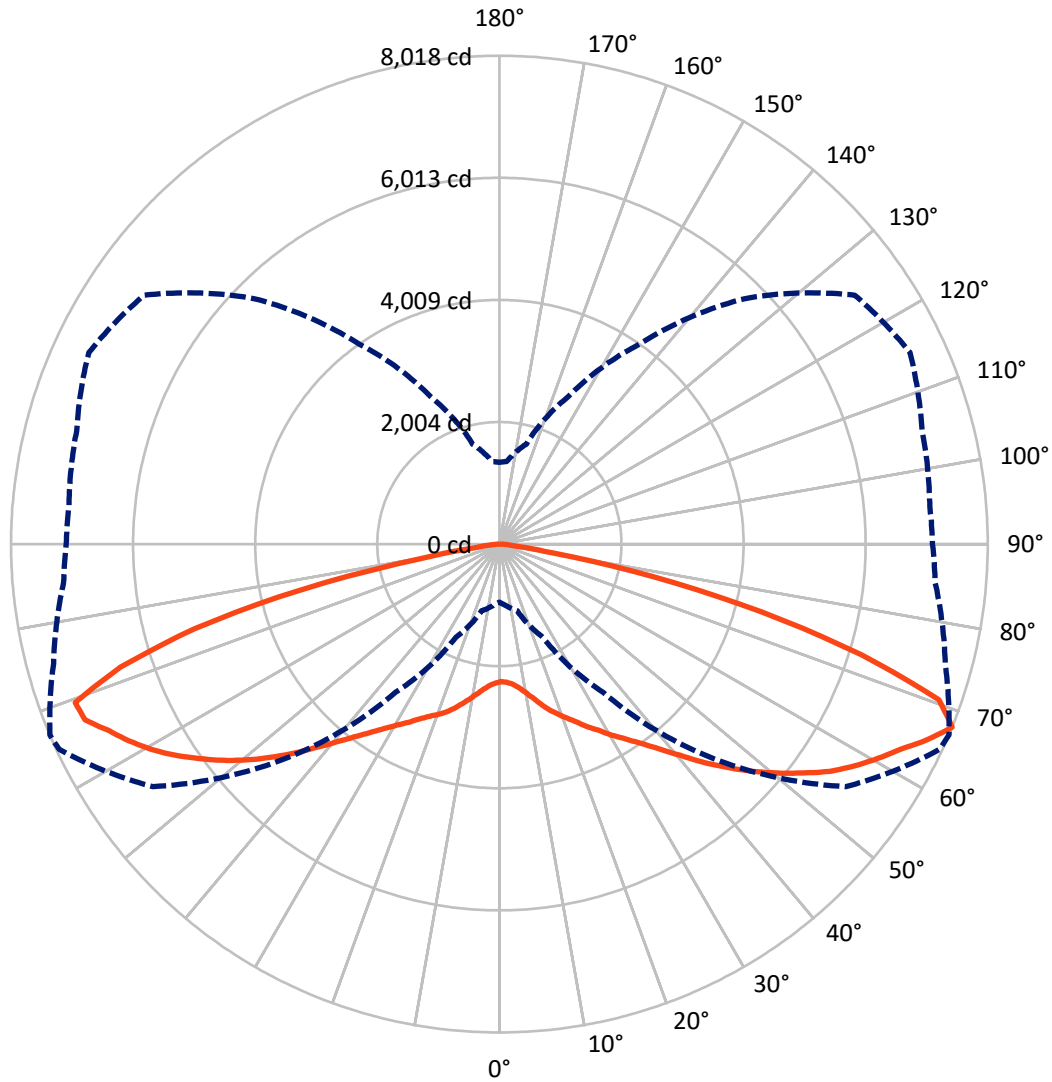
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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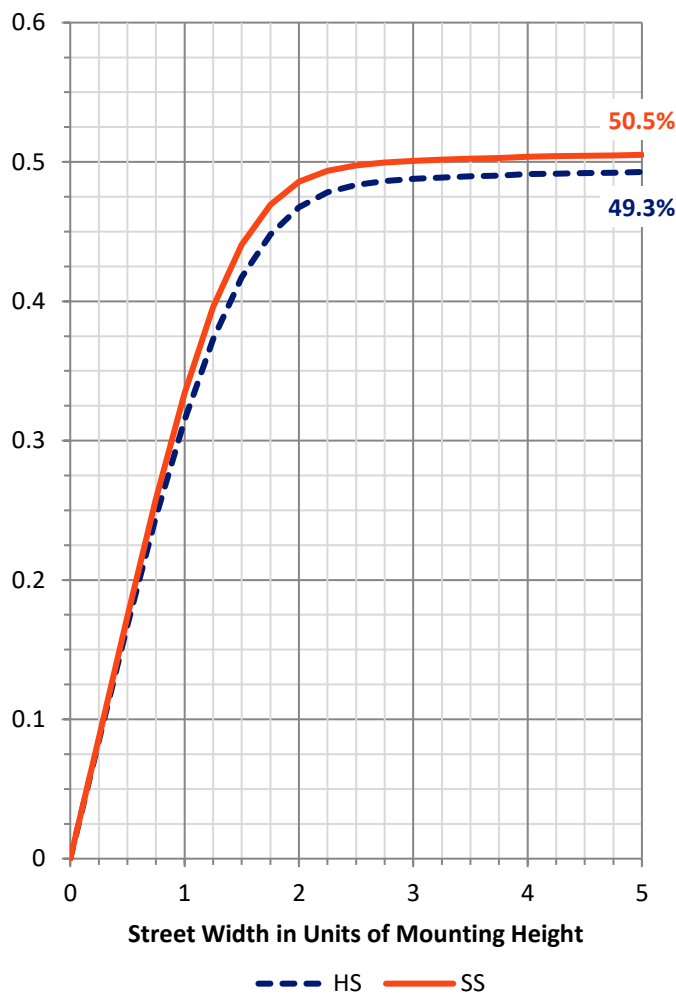
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11024.5	0.0	11024.5
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	11270.6	0.0	11270.6
	% Fixture	50.6	0.0	50.6
Total	Lumens	22295.1	0.0	22295.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	1.0
10°-20°	748.3	3.4
20°-30°	1468.1	6.6
30°-40°	2501.2	11.2
40°-50°	4016.4	18.0
50°-60°	5457.4	24.5
60°-70°	5220.4	23.4
70°-80°	2482.0	11.1
80°-90°	179.9	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°	22295.1	100.0
0°-180°	22295.1	100.0

Coefficient of Utilization



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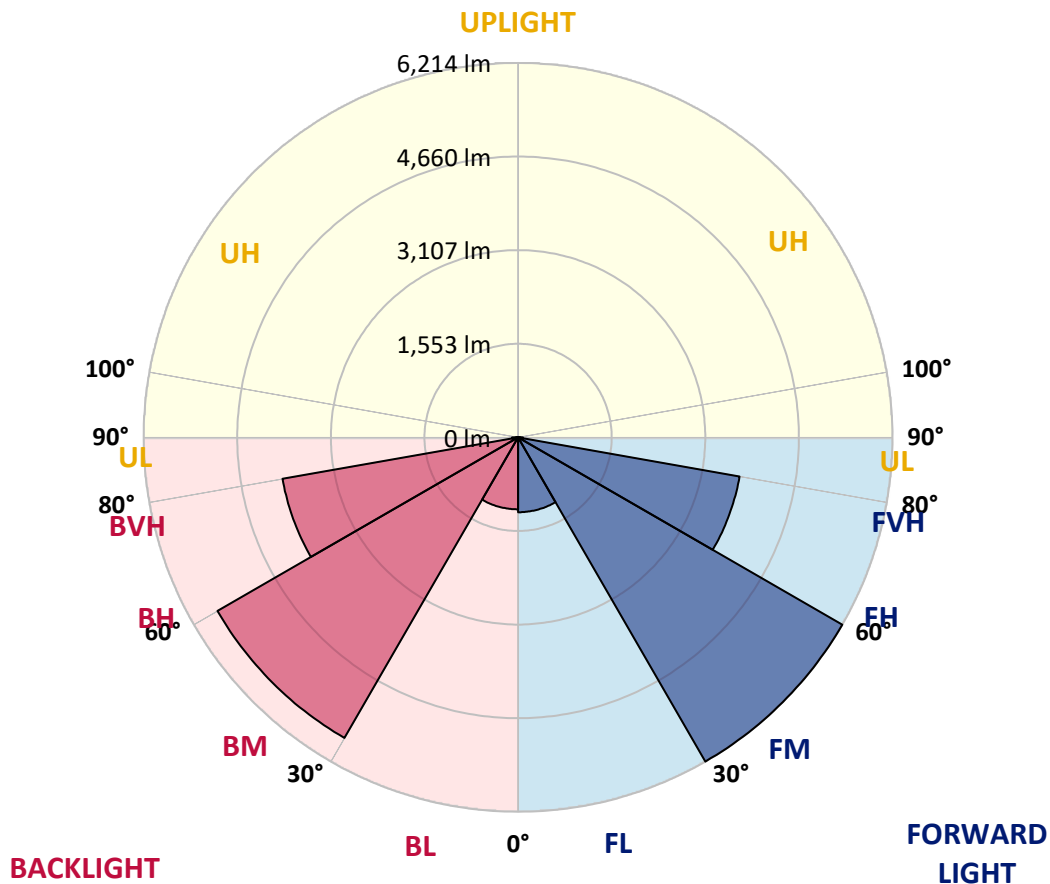
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.1	5.6			
FM (30°-60°)	6213.8	27.9			
FH (60°-80°)	3732.8	16.7			G2/5000
FVH (80°-90°)	80.8	0.4			G1/100
BL (0°-30°)	1194.8	5.4	B3/2500		
BM (30°-60°)	5761.2	25.8	B4/8500		
BH (60°-80°)	3969.6	17.8	B4/5000		G4/5000
BVH (80°-90°)	99.0	0.4			G1/100
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°	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5
2.5°	2210.9	2214.0	2218.7	2228.0	2237.3	2251.3	2265.3	2263.7	2269.9	2274.6	2279.2
5°	2198.5	2201.6	2209.4	2221.8	2235.8	2259.1	2288.6	2301.0	2310.3	2327.4	2342.9
7.5°	2224.9	2231.1	2242.0	2259.1	2280.8	2310.3	2350.7	2372.4	2386.4	2417.4	2443.8
10°	2260.6	2268.4	2290.1	2322.7	2355.3	2400.3	2451.6	2484.2	2493.5	2533.9	2583.6
12.5°	2294.8	2304.1	2339.8	2398.8	2457.8	2518.3	2578.9	2619.3	2622.4	2676.7	2732.6
15°	2349.1	2356.9	2405.0	2481.1	2571.1	2655.0	2729.5	2757.4	2769.9	2808.7	2878.5
17.5°	2468.7	2478.0	2540.1	2622.4	2717.1	2805.6	2880.1	2903.4	2903.4	2936.0	2993.4
20°	2597.5	2606.8	2689.1	2794.7	2909.6	2999.7	3057.1	3035.4	3027.6	3036.9	3077.3
22.5°	2741.9	2759.0	2838.2	2960.8	3102.1	3212.4	3241.9	3176.7	3154.9	3133.2	3142.5
25°	2926.7	2946.9	3024.5	3154.9	3293.1	3409.5	3426.6	3325.7	3313.3	3237.2	3209.3
27.5°	3139.4	3154.9	3251.2	3380.0	3508.9	3606.7	3625.4	3501.1	3459.2	3353.6	3288.4
30°	3414.2	3428.2	3512.0	3639.3	3751.1	3819.4	3842.7	3671.9	3639.3	3477.9	3376.9
32.5°	3713.9	3720.1	3805.5	3928.1	4027.5	4092.7	4060.1	3861.4	3813.2	3631.6	3493.4
35°	4057.0	4057.0	4167.2	4266.6	4345.8	4364.4	4302.3	4075.6	4019.7	3822.5	3650.2
37.5°	4393.9	4403.2	4505.7	4623.7	4693.6	4690.5	4577.1	4328.7	4265.0	4050.8	3859.8
40°	4758.8	4779.0	4881.4	5013.4	5080.2	5070.8	4896.9	4620.6	4555.4	4302.3	4116.0
42.5°	5094.1	5126.7	5246.3	5381.4	5454.3	5448.1	5266.5	4955.9	4892.3	4606.6	4420.3
45°	5361.2	5395.3	5544.4	5732.3	5848.7	5837.8	5654.6	5303.7	5226.1	4926.4	4721.5
47.5°	5595.6	5631.3	5797.5	5996.2	6181.0	6199.6	6031.9	5654.6	5572.3	5269.6	5038.2
50°	5775.7	5792.8	5979.1	6196.5	6410.8	6514.8	6368.8	6007.1	5907.7	5608.0	5347.2
52.5°	5761.8	5785.0	6014.8	6309.8	6597.1	6767.9	6666.9	6339.3	6243.1	5917.0	5662.4
55°	5477.6	5500.9	5774.2	6204.3	6701.1	6952.6	6941.7	6656.1	6586.2	6232.2	5990.0
57.5°	5063.1	5114.3	5386.0	5850.3	6564.5	7100.1	7143.6	6944.8	6871.9	6541.2	6314.5
60°	4320.9	4389.2	4702.9	5305.3	6126.6	7050.4	7359.4	7188.6	7143.6	6828.4	6607.9
62.5°	3139.4	3189.1	3606.7	4397.0	5477.6	6696.4	7541.1	7440.1	7406.0	7086.1	6873.4
65°	1880.2	1993.6	2328.9	3109.9	4418.7	6028.8	7441.7	7769.3	7733.6	7351.6	7100.1
67.5°	951.8	1003.0	1135.0	1686.1	2971.7	4988.6	6943.3	7974.2	8017.7	7578.3	7180.8
70°	590.0	604.0	641.2	832.2	1484.3	3277.6	5677.9	7440.1	7652.8	7542.6	6971.2
72.5°	473.5	476.7	482.9	518.6	712.7	1532.4	3589.6	5827.0	6210.5	7044.2	6671.6
75°	392.8	394.4	395.9	406.8	444.0	625.7	1746.7	4004.2	4452.9	5986.9	6185.6
77.5°	315.2	307.4	313.6	318.3	327.6	349.3	602.4	2136.4	2591.3	3929.7	4783.6
80°	204.9	201.8	214.3	218.9	228.2	242.2	321.4	725.1	880.3	1430.0	1521.6
82.5°	110.2	104.0	130.4	125.8	130.4	141.3	189.4	265.5	298.1	431.6	364.9
85°	34.2	34.2	35.7	41.9	51.2	49.7	82.3	130.4	144.4	184.8	136.6
87.5°	6.2	6.2	6.2	6.2	6.2	7.8	17.1	26.4	35.7	63.7	48.1
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°	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5	2257.5
2.5°	2288.6	2274.6	2282.3	2287.0	2285.5	2282.3	2266.8	2263.7	2256.0	2243.5	2240.4
5°	2356.9	2341.3	2342.9	2338.2	2322.7	2302.5	2268.4	2251.3	2237.3	2221.8	2220.2
7.5°	2464.0	2446.9	2442.3	2420.5	2377.1	2330.5	2276.1	2245.1	2221.8	2201.6	2198.5
10°	2600.6	2583.6	2568.0	2516.8	2445.4	2383.3	2311.8	2266.8	2232.7	2207.8	2203.2
12.5°	2752.8	2738.8	2700.0	2625.5	2540.1	2467.1	2394.1	2338.2	2288.6	2251.3	2246.6
15°	2922.0	2891.0	2832.0	2735.7	2655.0	2596.0	2507.5	2431.4	2352.2	2302.5	2291.7
17.5°	3040.0	3013.6	2943.8	2850.6	2786.9	2735.7	2631.7	2523.0	2415.9	2342.9	2327.4
20°	3123.9	3095.9	3016.7	2948.4	2928.2	2884.8	2763.7	2637.9	2513.7	2423.6	2403.4
22.5°	3184.4	3154.9	3074.2	3040.0	3068.0	3060.2	2942.2	2799.4	2651.9	2544.7	2519.9
25°	3241.9	3213.9	3142.5	3154.9	3229.4	3252.7	3125.4	2959.3	2791.6	2665.8	2636.3
27.5°	3296.2	3260.5	3227.9	3296.2	3401.8	3445.3	3310.2	3122.3	2940.7	2811.8	2788.5
30°	3380.0	3338.1	3333.5	3432.8	3600.5	3637.8	3488.7	3300.9	3120.8	2990.3	2960.8
32.5°	3485.6	3446.8	3449.9	3599.0	3793.0	3824.1	3696.8	3521.3	3341.2	3210.8	3170.4
35°	3628.5	3580.3	3606.7	3789.9	3985.6	4043.0	3940.5	3794.6	3619.1	3485.6	3440.6
37.5°	3825.6	3755.8	3810.1	4002.6	4199.8	4285.2	4206.0	4097.4	3923.5	3788.4	3746.5
40°	4077.2	4019.7	4041.5	4254.2	4457.6	4560.0	4510.3	4403.2	4230.9	4089.6	4041.5
42.5°	4375.3	4317.8	4310.1	4536.7	4740.1	4895.4	4847.3	4749.5	4570.9	4409.4	4362.8
45°	4667.2	4614.4	4625.2	4856.6	5084.8	5254.1	5205.9	5091.0	4896.9	4710.6	4673.4
47.5°	4971.5	4928.0	4937.3	5182.6	5434.2	5603.4	5542.8	5403.1	5176.4	4977.7	4932.7
50°	5283.6	5233.9	5247.8	5505.6	5777.3	5937.2	5844.0	5637.5	5387.6	5193.5	5154.7
52.5°	5594.1	5535.1	5570.8	5814.5	6095.6	6222.9	6050.5	5800.6	5558.4	5365.8	5322.4
55°	5951.2	5889.1	5850.3	6111.1	6389.0	6441.8	6205.8	5913.9	5626.7	5407.8	5381.4
57.5°	6277.2	6224.4	6151.5	6412.3	6617.2	6578.4	6325.4	5882.9	5460.5	5179.5	5142.3
60°	6569.1	6524.1	6460.4	6682.5	6775.6	6688.7	6229.1	5514.9	5050.7	4757.2	4740.1
62.5°	6837.7	6789.6	6730.6	6920.0	6907.6	6705.7	5791.3	4949.7	4328.7	4013.5	3985.6
65°	7050.4	7007.0	6989.9	7138.9	7118.7	6371.9	5109.7	4024.4	3162.7	2807.1	2796.3
67.5°	7111.0	7093.9	7185.5	7438.6	7123.4	5701.2	4007.3	2668.9	1698.6	1361.6	1341.5
70°	6884.3	6882.7	7145.1	7506.9	6477.5	4355.1	2364.6	1203.3	853.9	757.7	745.3
72.5°	6589.3	6584.6	6792.7	6476.0	4803.8	2383.3	995.2	644.3	534.1	507.7	507.7
75°	6104.9	6092.5	6249.3	4926.4	2701.6	897.4	527.9	442.5	419.2	414.5	414.5
77.5°	4976.1	4872.1	4625.2	3044.7	942.4	440.9	349.3	347.8	333.8	332.3	332.3
80°	1636.5	1636.5	1902.0	1161.4	416.1	271.7	246.9	259.3	245.3	236.0	234.4
82.5°	267.0	368.0	523.2	332.3	225.1	169.2	152.2	161.5	169.2	135.1	135.1
85°	105.6	138.2	201.8	155.3	104.0	68.3	73.0	80.7	71.4	62.1	60.6
87.5°	40.4	49.7	71.4	37.3	21.7	12.4	7.8	7.8	6.2	6.2	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)