

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: P642208

Luminaire Tested: GWS-SA6C-740-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642208  
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-SA6C-740-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

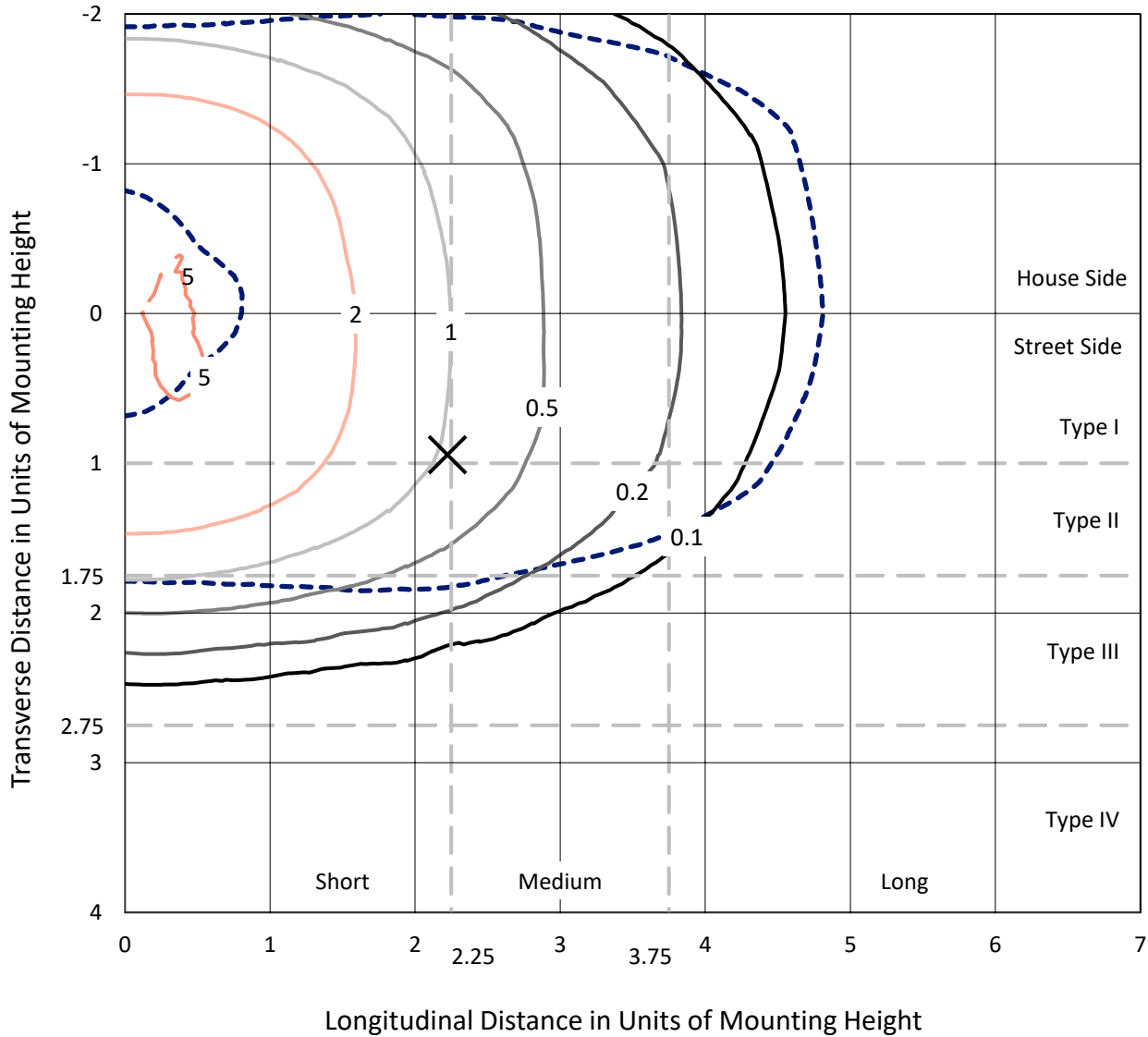
Lumens per Lamp: N/A  
Luminaire Lumens: 29230.3 lumens  
Efficiency: N/A  
Efficacy: 154.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): 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

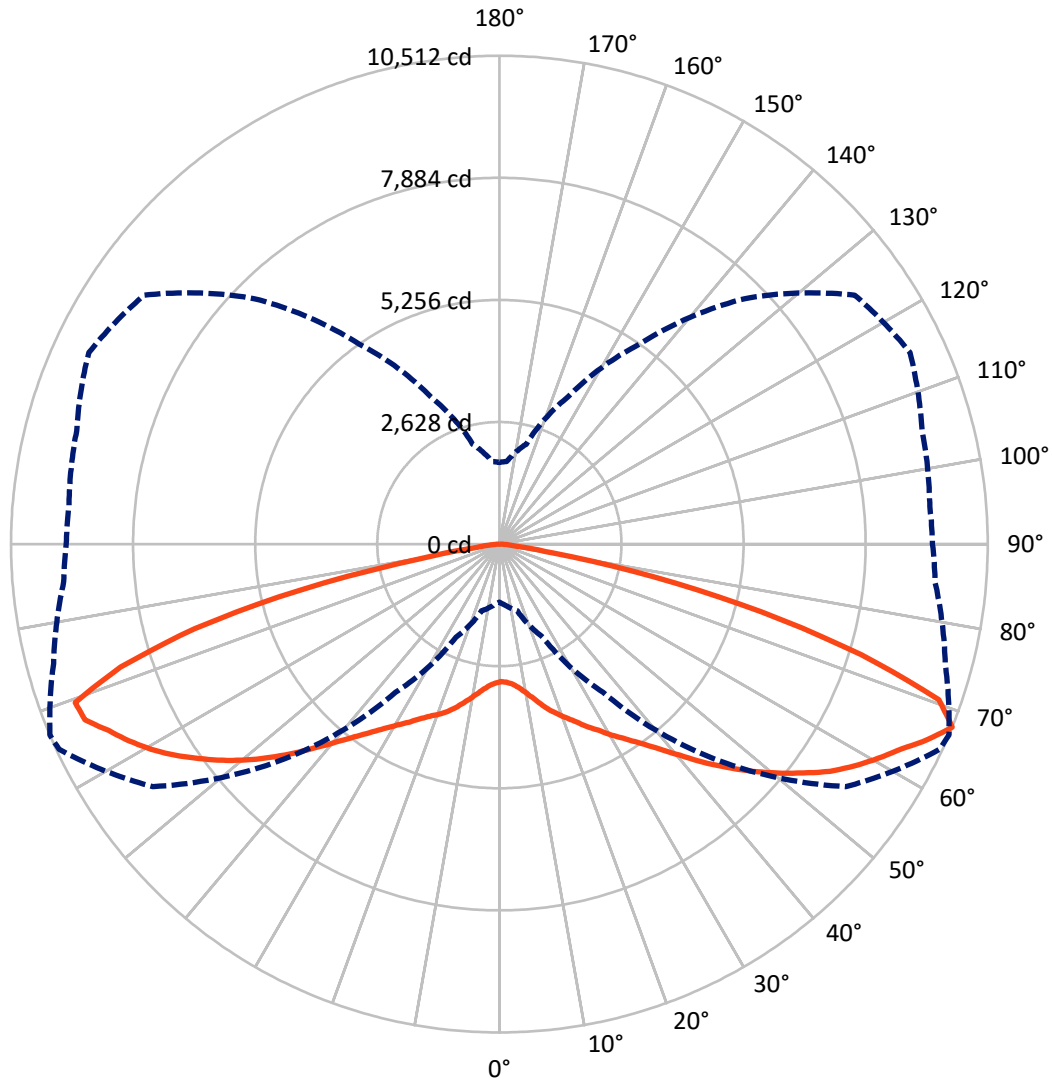
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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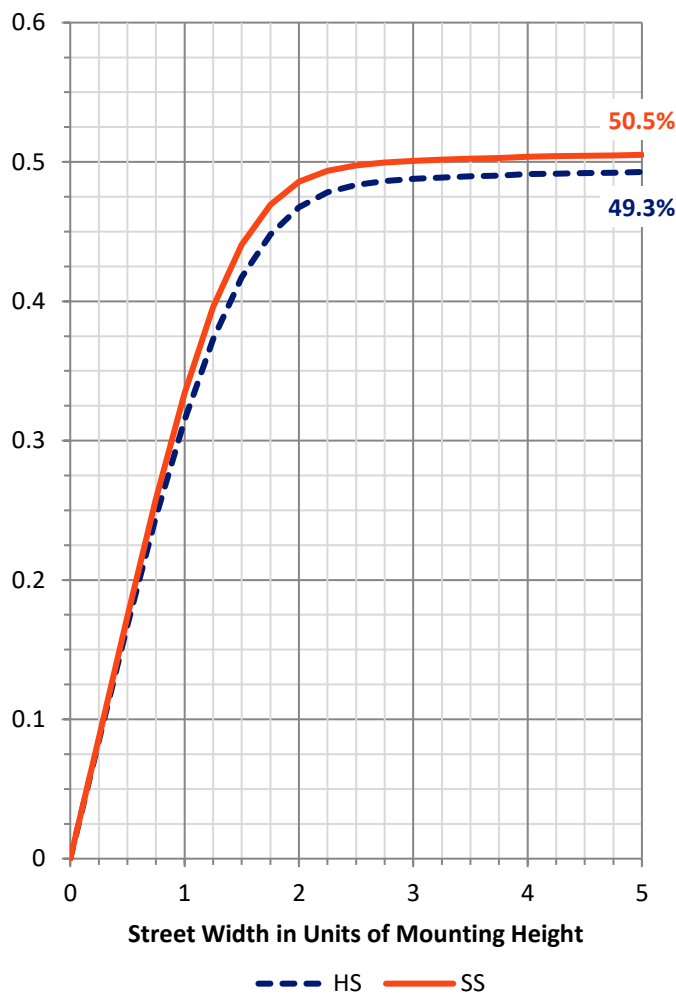
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14453.9	0.0	14453.9
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	14776.4	0.0	14776.4
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	29230.3	0.0	29230.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.4	1.0
10°-20°	981.0	3.4
20°-30°	1924.8	6.6
30°-40°	3279.2	11.2
40°-50°	5265.7	18.0
50°-60°	7155.0	24.5
60°-70°	6844.3	23.4
70°-80°	3254.0	11.1
80°-90°	235.8	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°	29230.3	100.0
0°-180°	29230.3	100.0

**Coefficient of Utilization**



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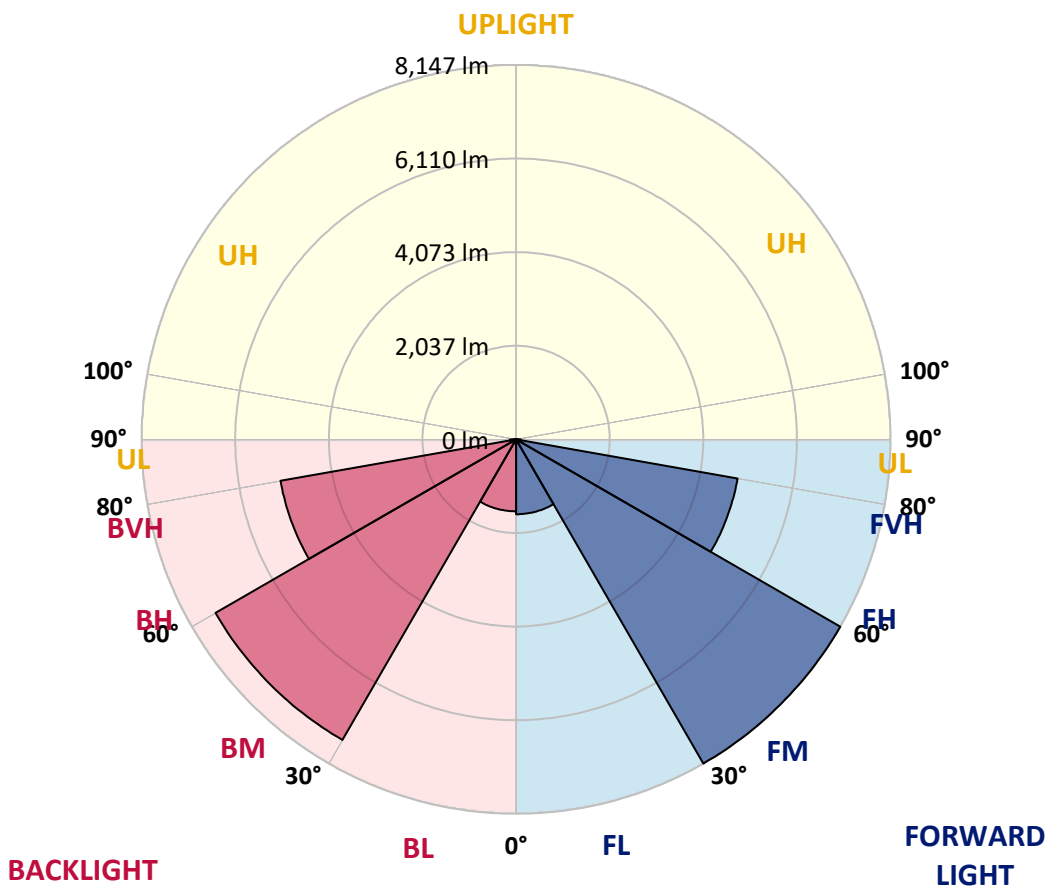
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.8	5.6			
FM (30°-60°)	8146.7	27.9			
FH (60°-80°)	4893.9	16.7			G2/5000
FVH (80°-90°)	106.0	0.4			G2/225
BL (0°-30°)	1566.4	5.4	B3/2500		
BM (30°-60°)	7553.2	25.8	B4/8500		
BH (60°-80°)	5204.4	17.8	B5		G5
BVH (80°-90°)	129.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7
2.5°	2898.7	2902.7	2908.8	2921.1	2933.3	2951.6	2969.9	2967.9	2976.0	2982.1	2988.2
5°	2882.4	2886.4	2896.6	2912.9	2931.2	2961.8	3000.4	3016.7	3028.9	3051.3	3071.7
7.5°	2917.0	2925.1	2939.4	2961.8	2990.3	3028.9	3081.9	3110.4	3128.7	3169.4	3204.0
10°	2963.8	2974.0	3002.5	3045.2	3088.0	3147.0	3214.2	3256.9	3269.1	3322.1	3387.2
12.5°	3008.6	3020.8	3067.6	3145.0	3222.3	3301.7	3381.1	3434.0	3438.1	3509.3	3582.6
15°	3079.8	3090.0	3153.1	3252.9	3370.9	3480.8	3578.5	3615.2	3631.5	3682.4	3774.0
17.5°	3236.6	3248.8	3330.2	3438.1	3562.3	3678.3	3776.0	3806.5	3806.5	3849.3	3924.6
20°	3405.5	3417.7	3525.6	3664.0	3814.7	3932.7	4008.1	3979.6	3969.4	3981.6	4034.5
22.5°	3594.8	3617.2	3721.0	3881.8	4067.1	4211.6	4250.3	4164.8	4136.3	4107.8	4120.0
25°	3837.1	3863.5	3965.3	4136.3	4317.5	4470.1	4492.5	4360.2	4343.9	4244.2	4207.5
27.5°	4115.9	4136.3	4262.5	4431.5	4600.4	4728.6	4753.1	4590.2	4535.3	4396.8	4311.4
30°	4476.2	4494.6	4604.5	4771.4	4918.0	5007.5	5038.1	4814.1	4771.4	4559.7	4427.4
32.5°	4869.1	4877.2	4989.2	5150.0	5280.3	5365.8	5323.0	5062.5	4999.4	4761.2	4580.1
35°	5319.0	5319.0	5463.5	5593.8	5697.6	5722.0	5640.6	5343.4	5270.1	5011.6	4785.6
37.5°	5760.7	5772.9	5907.2	6062.0	6153.6	6149.5	6000.9	5675.2	5591.7	5310.8	5060.4
40°	6239.0	6265.5	6399.9	6572.9	6660.4	6648.2	6420.2	6057.9	5972.4	5640.6	5396.3
42.5°	6678.7	6721.5	6878.2	7055.3	7151.0	7142.8	6904.7	6497.6	6414.1	6039.6	5795.3
45°	7028.9	7073.6	7269.1	7515.4	7668.0	7653.8	7413.6	6953.5	6851.8	6458.9	6190.2
47.5°	7336.2	7383.0	7600.8	7861.4	8103.6	8128.1	7908.2	7413.6	7305.7	6908.8	6605.5
50°	7572.4	7594.7	7839.0	8124.0	8404.9	8541.3	8349.9	7875.7	7745.4	7352.5	7010.5
52.5°	7554.0	7584.6	7885.8	8272.6	8649.2	8873.1	8740.8	8311.3	8185.1	7757.6	7423.8
55°	7181.5	7212.1	7570.3	8134.2	8785.6	9115.3	9101.1	8726.5	8634.9	8170.8	7853.3
57.5°	6638.0	6705.2	7061.4	7670.1	8606.4	9308.7	9365.7	9105.1	9009.5	8575.9	8278.7
60°	5665.0	5754.6	6165.8	6955.6	8032.4	9243.6	9648.6	9424.7	9365.7	8952.5	8663.4
62.5°	4115.9	4181.1	4728.6	5764.8	7181.5	8779.4	9886.8	9754.5	9709.7	9290.4	9011.5
65°	2465.1	2613.7	3053.4	4077.3	5793.3	7904.2	9756.5	10186.0	10139.2	9638.5	9308.7
67.5°	1247.8	1315.0	1488.0	2210.6	3896.1	6540.3	9103.1	10454.7	10511.7	9935.7	9414.5
70°	773.5	791.8	840.7	1091.1	1946.0	4297.1	7444.1	9754.5	10033.4	9888.8	9139.7
72.5°	620.9	624.9	633.1	679.9	934.3	2009.1	4706.3	7639.5	8142.3	9235.4	8746.9
75°	515.0	517.0	519.1	533.3	582.2	820.3	2290.0	5249.8	5838.0	7849.2	8109.7
77.5°	413.2	403.0	411.2	417.3	429.5	458.0	789.8	2801.0	3397.4	5152.0	6271.6
80°	268.7	264.6	280.9	287.0	299.2	317.6	421.4	950.6	1154.2	1874.8	1994.9
82.5°	144.5	136.4	171.0	164.9	171.0	185.2	248.3	348.1	390.8	565.9	478.4
85°	44.8	44.8	46.8	55.0	67.2	65.1	107.9	171.0	189.3	242.2	179.1
87.5°	8.1	8.1	8.1	8.1	8.1	10.2	22.4	34.6	46.8	83.5	63.1
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°	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7	2959.7
2.5°	3000.4	2982.1	2992.3	2998.4	2996.4	2992.3	2971.9	2967.9	2957.7	2941.4	2937.3
5°	3090.0	3069.7	3071.7	3065.6	3045.2	3018.8	2974.0	2951.6	2933.3	2912.9	2910.9
7.5°	3230.5	3208.1	3202.0	3173.5	3116.5	3055.4	2984.2	2943.4	2912.9	2886.4	2882.4
10°	3409.6	3387.2	3366.8	3299.7	3206.0	3124.6	3031.0	2971.9	2927.2	2894.6	2888.5
12.5°	3609.1	3590.8	3539.9	3442.2	3330.2	3234.5	3138.9	3065.6	3000.4	2951.6	2945.5
15°	3831.0	3790.2	3712.9	3586.7	3480.8	3403.5	3287.5	3187.7	3083.9	3018.8	3004.5
17.5°	3985.7	3951.1	3859.5	3737.3	3653.9	3586.7	3450.3	3307.8	3167.4	3071.7	3051.3
20°	4095.6	4058.9	3955.1	3865.6	3839.1	3782.1	3623.3	3458.4	3295.6	3177.5	3151.1
22.5°	4175.0	4136.3	4030.4	3985.7	4022.3	4012.1	3857.4	3670.1	3476.8	3336.3	3303.7
25°	4250.3	4213.6	4120.0	4136.3	4234.0	4264.5	4097.6	3879.8	3660.0	3495.1	3456.4
27.5°	4321.5	4274.7	4232.0	4321.5	4460.0	4516.9	4339.9	4093.5	3855.4	3686.4	3655.9
30°	4431.5	4376.5	4370.4	4500.7	4720.5	4769.4	4573.9	4327.6	4091.5	3920.5	3881.8
32.5°	4569.9	4519.0	4523.1	4718.5	4972.9	5013.6	4846.7	4616.7	4380.6	4209.6	4156.7
35°	4757.1	4694.0	4728.6	4968.8	5225.3	5300.6	5166.3	4975.0	4744.9	4569.9	4510.8
37.5°	5015.7	4924.1	4995.3	5247.7	5506.2	5618.2	5514.4	5371.9	5143.9	4966.8	4911.9
40°	5345.4	5270.1	5298.6	5577.5	5844.1	5978.5	5913.4	5772.9	5547.0	5361.7	5298.6
42.5°	5736.3	5660.9	5650.8	5948.0	6214.6	6418.2	6355.1	6226.8	5992.7	5781.0	5720.0
45°	6118.9	6049.7	6064.0	6367.3	6666.5	6888.4	6825.3	6674.7	6420.2	6175.9	6127.1
47.5°	6517.9	6460.9	6473.1	6794.8	7124.5	7346.4	7267.0	7083.8	6786.6	6526.1	6467.0
50°	6927.1	6861.9	6880.3	7218.2	7574.4	7784.1	7661.9	7391.2	7063.5	6809.0	6758.1
52.5°	7334.2	7256.8	7303.7	7623.2	7991.7	8158.6	7932.6	7604.9	7287.4	7035.0	6978.0
55°	7802.4	7720.9	7670.1	8012.0	8376.4	8445.6	8136.2	7753.5	7376.9	7089.9	7055.3
57.5°	8229.8	8160.6	8065.0	8406.9	8675.6	8624.7	8292.9	7712.8	7159.1	6790.7	6741.8
60°	8612.5	8553.5	8470.0	8761.1	8883.3	8769.3	8166.7	7230.4	6621.7	6237.0	6214.6
62.5°	8964.7	8901.6	8824.2	9072.6	9056.3	8791.7	7592.7	6489.4	5675.2	5262.0	5225.3
65°	9243.6	9186.6	9164.2	9359.6	9333.1	8354.0	6699.1	5276.2	4146.5	3680.3	3666.1
67.5°	9322.9	9300.6	9420.7	9752.5	9339.2	7474.6	5253.8	3499.2	2226.9	1785.2	1758.7
70°	9025.8	9023.7	9367.7	9842.0	8492.4	5709.8	3100.2	1577.6	1119.6	993.4	977.1
72.5°	8639.0	8632.9	8905.7	8490.4	6298.1	3124.6	1304.8	844.8	700.2	665.6	665.6
75°	8003.9	7987.6	8193.2	6458.9	3541.9	1176.6	692.1	580.1	549.6	543.5	543.5
77.5°	6524.0	6387.6	6064.0	3991.8	1235.6	578.1	458.0	456.0	437.6	435.6	435.6
80°	2145.5	2145.5	2493.6	1522.6	545.5	356.2	323.7	339.9	321.6	309.4	307.4
82.5°	350.1	482.4	686.0	435.6	295.2	221.9	199.5	211.7	221.9	177.1	177.1
85°	138.4	181.2	264.6	203.6	136.4	89.6	95.7	105.9	93.6	81.4	79.4
87.5°	52.9	65.1	93.6	48.9	28.5	16.3	10.2	10.2	8.1	8.1	8.1
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)