

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: P642459

Luminaire Tested: GWS-SA6C-830-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642459  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-830-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

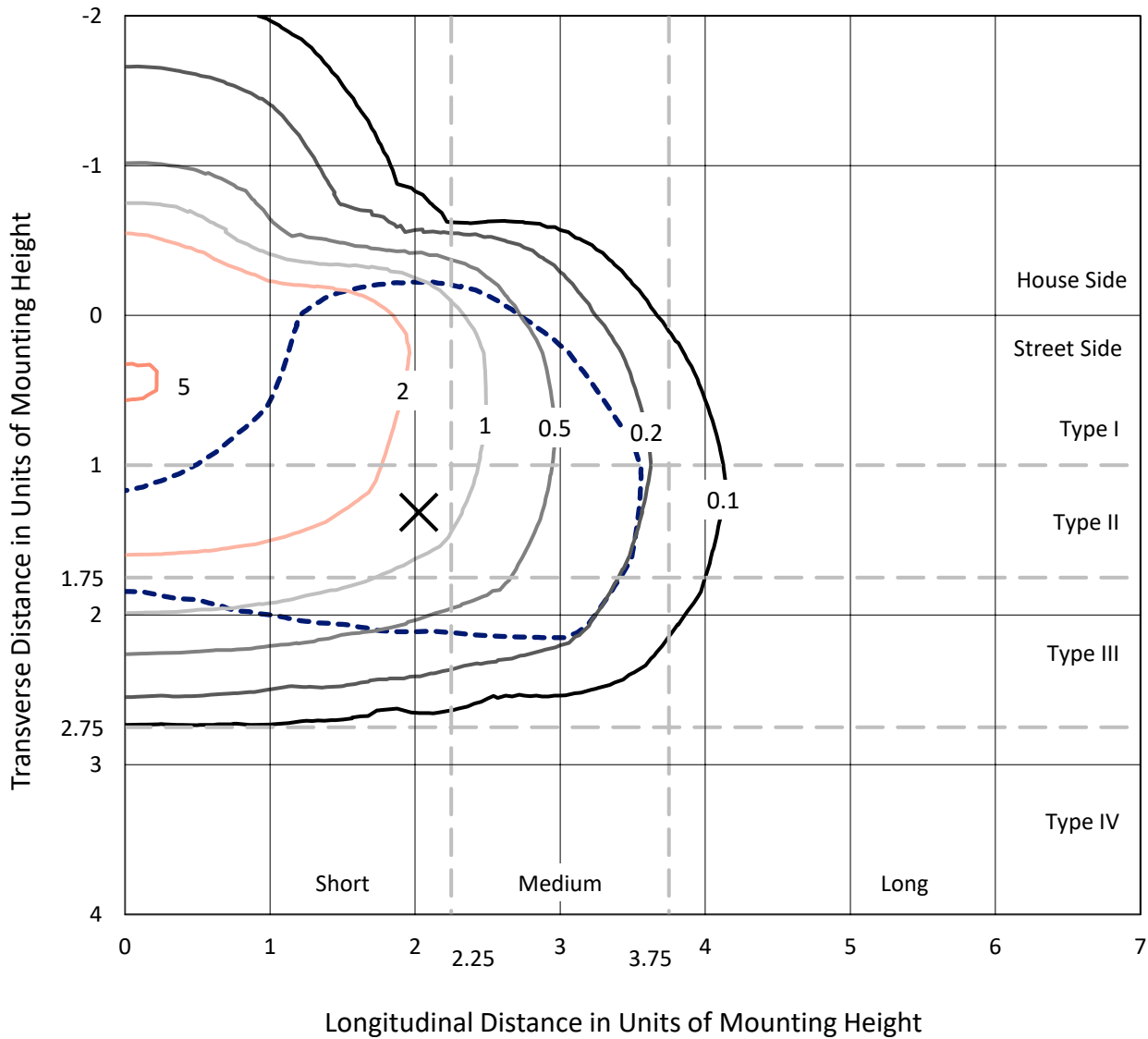
Lumens per Lamp: N/A  
Luminaire Lumens: 22571.8 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): 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

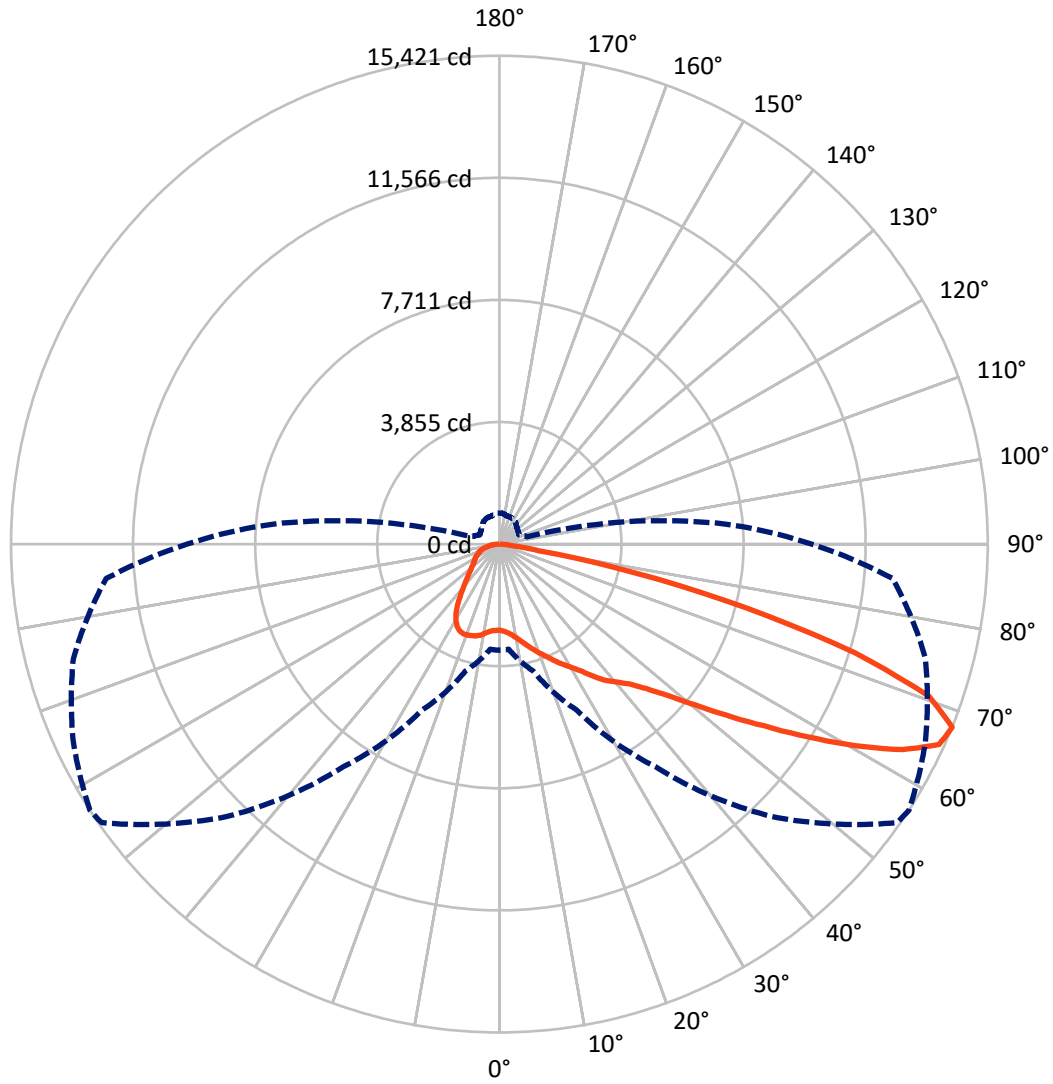
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P642459  
CATALOG NUMBER: GWS-SA6C-830-U-T3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA6C-830-U-T3-W

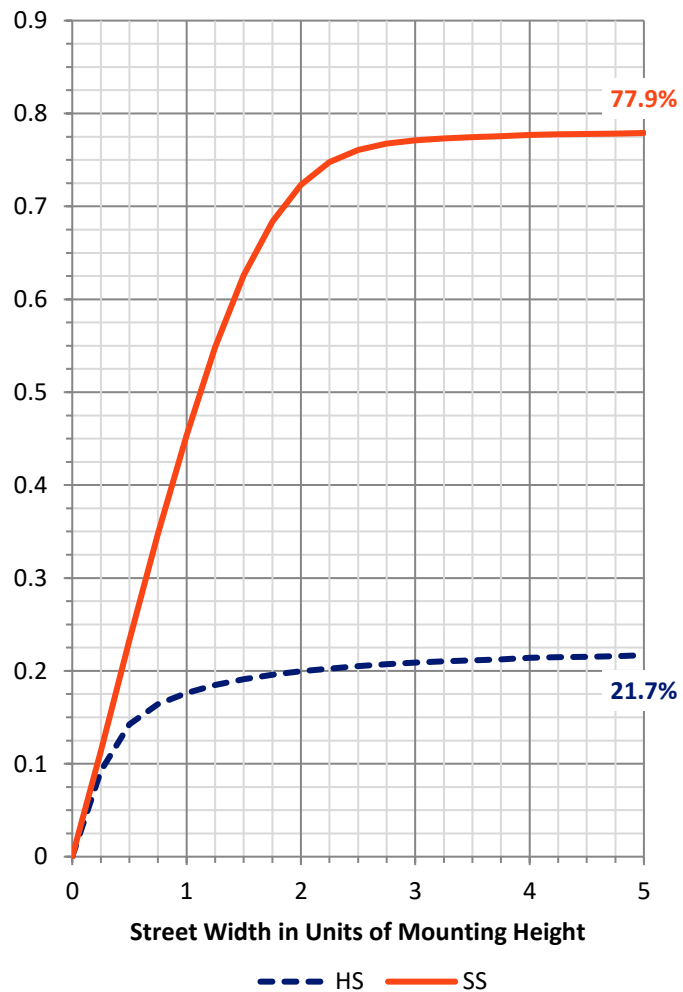
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4962.7	0.0	4962.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	17609.1	0.0	17609.1
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	22571.8	0.0	22571.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.7	1.2
10°-20°	893.0	4.0
20°-30°	1592.0	7.1
30°-40°	2314.6	10.3
40°-50°	3350.0	14.8
50°-60°	5242.6	23.2
60°-70°	6115.9	27.1
70°-80°	2553.0	11.3
80°-90°	240.9	1.1
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°	22571.8	100.0
0°-180°	22571.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642459

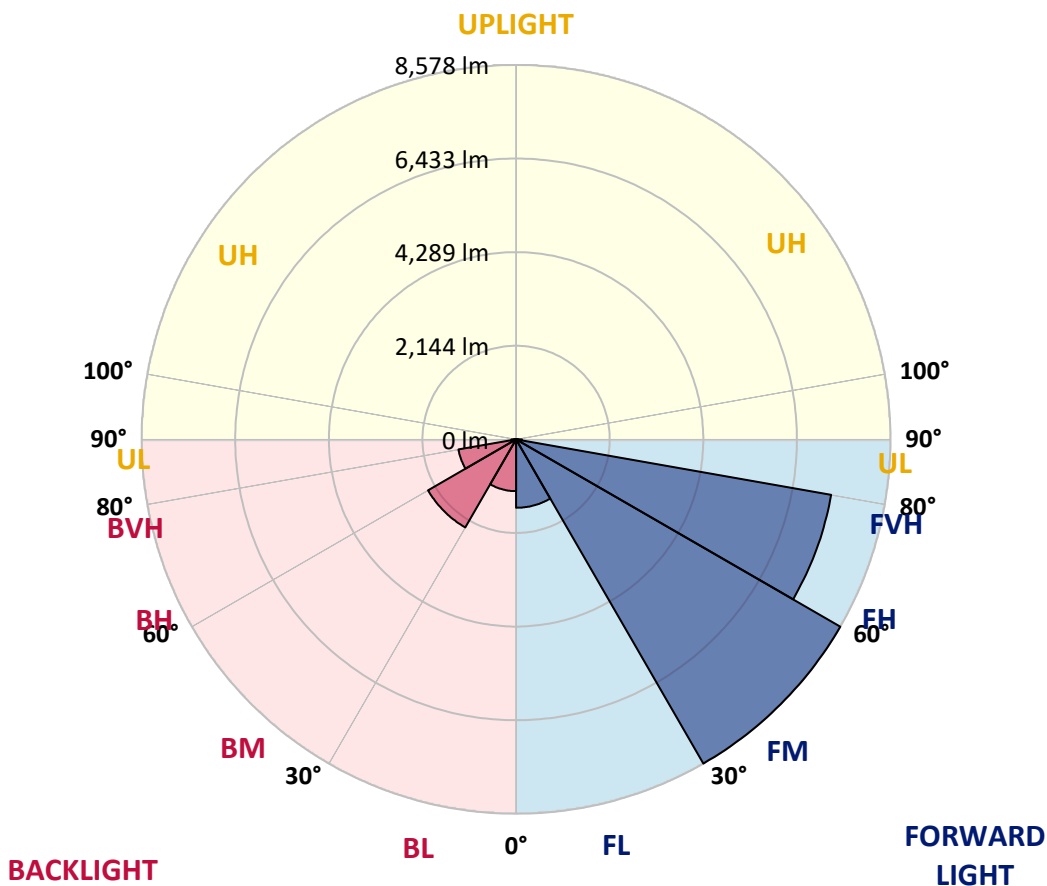
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1567.8	6.9			
FM (30°-60°)	8577.6	38.0			
FH (60°-80°)	7329.5	32.5			G3/7500
FVH (80°-90°)	134.2	0.6			G2/225
BL (0°-30°)	1186.9	5.3	B3/2500		
BM (30°-60°)	2329.6	10.3	B2/2500		
BH (60°-80°)	1339.4	5.9	B3/2500		G3/2500
BVH (80°-90°)	106.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7
2.5°	2758.6	2755.3	2753.7	2763.4	2760.2	2758.6	2758.6	2756.9	2753.7	2740.8	2723.0
5°	2834.6	2828.1	2821.6	2829.7	2823.2	2816.8	2815.1	2811.9	2800.6	2781.2	2753.7
7.5°	2913.8	2907.3	2908.9	2913.8	2908.9	2905.7	2900.8	2897.6	2879.8	2849.1	2811.9
10°	3025.4	3025.4	3028.6	3033.4	3035.1	3030.2	3020.5	3015.7	2994.6	2955.8	2904.1
12.5°	3187.1	3183.8	3183.8	3180.6	3185.4	3180.6	3170.9	3162.8	3136.9	3086.8	3012.4
15°	3400.5	3387.6	3376.2	3355.2	3348.8	3331.0	3334.2	3329.3	3305.1	3237.2	3143.4
17.5°	3628.5	3626.9	3609.1	3567.0	3525.0	3495.9	3502.4	3500.7	3487.8	3395.6	3276.0
20°	3829.0	3837.1	3820.9	3788.6	3732.0	3677.0	3673.8	3681.8	3665.7	3573.5	3407.0
22.5°	4053.8	4047.3	4031.1	3989.1	3947.0	3888.8	3869.4	3862.9	3856.5	3751.4	3541.2
25°	4267.2	4286.6	4265.6	4226.8	4162.1	4099.0	4082.9	4089.3	4071.5	3932.5	3685.1
27.5°	4537.2	4545.3	4532.4	4479.0	4424.0	4335.1	4304.4	4304.4	4297.9	4102.3	3798.3
30°	4825.0	4847.7	4825.0	4781.4	4724.8	4597.1	4530.8	4524.3	4504.9	4276.9	3930.9
32.5°	5114.5	5130.7	5114.5	5072.4	5007.8	4896.2	4800.8	4786.2	4760.4	4467.7	4066.7
35°	5371.6	5386.1	5382.9	5392.6	5339.2	5198.6	5140.4	5133.9	5066.0	4716.7	4251.0
37.5°	5652.9	5670.7	5646.5	5665.9	5644.9	5512.3	5494.5	5462.1	5365.1	4951.2	4445.1
40°	5973.1	5989.3	5950.5	5958.5	5934.3	5859.9	5769.4	5725.7	5581.8	5205.0	4750.7
42.5°	6315.9	6353.1	6370.9	6356.3	6299.7	6257.7	6099.2	6044.2	5924.6	5662.6	5253.5
45°	6812.3	6867.3	6893.2	6856.0	6831.7	6771.9	6577.8	6511.5	6448.5	6307.8	5955.3
47.5°	7347.5	7397.7	7480.1	7496.3	7515.7	7470.4	7197.1	7132.5	7143.8	7127.6	6818.8
50°	7774.4	7816.4	8002.4	8201.3	8366.2	8379.2	8029.9	7960.4	8021.8	8073.5	7858.5
52.5°	8084.9	8122.1	8367.8	8778.5	9152.1	9428.6	9051.8	8972.6	9022.7	9139.1	9040.5
55°	8337.1	8388.9	8646.0	9276.6	10031.7	10468.3	10227.4	10127.1	10106.1	10250.0	10306.6
57.5°	8469.7	8485.9	8846.5	9666.3	10676.9	11488.6	11593.7	11480.5	11280.0	11359.2	11653.5
60°	8167.3	8194.8	8688.0	9766.5	11186.2	12500.8	13027.9	12934.2	12507.3	12550.9	12876.0
62.5°	7331.4	7370.2	7963.6	9289.5	11228.3	13176.7	14352.3	14292.4	13720.0	13483.9	13581.0
65°	5880.9	5893.9	6508.3	8109.1	10392.3	13260.8	15275.5	15261.0	14567.3	14014.3	13598.7
67.5°	3353.6	3331.0	4152.4	5783.9	8576.4	12167.7	15335.4	15421.1	14842.2	13927.0	12466.9
70°	1453.7	1456.9	1835.3	2854.0	5551.1	9834.4	14243.9	14391.1	14046.6	12473.3	9918.5
72.5°	672.7	682.4	845.7	1235.4	2370.5	6100.8	11614.7	11747.3	11451.4	9983.2	7216.5
75°	475.4	483.5	564.3	708.2	1089.8	2376.9	7769.6	8047.7	8191.6	7467.2	4755.5
77.5°	360.6	371.9	412.3	491.6	672.7	842.4	3717.4	4380.4	5218.0	4645.6	2449.7
80°	229.6	229.6	273.3	328.2	410.7	438.2	1073.7	1272.6	2553.2	1914.5	962.1
82.5°	155.2	160.1	186.0	208.6	236.1	249.0	460.8	491.6	737.3	651.6	396.2
85°	82.5	85.7	97.0	95.4	113.2	98.6	194.0	192.4	270.0	295.9	150.4
87.5°	0.0	0.0	1.6	1.6	3.2	4.9	21.0	22.6	56.6	90.6	50.1
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°	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7	2719.7
2.5°	2732.7	2713.3	2723.0	2719.7	2729.5	2729.5	2711.7	2706.8	2708.4	2689.0	2682.6
5°	2756.9	2734.3	2739.2	2732.7	2742.4	2750.5	2742.4	2742.4	2752.1	2737.5	2729.5
7.5°	2811.9	2786.0	2786.0	2778.0	2789.3	2795.7	2789.3	2799.0	2816.8	2802.2	2794.1
10°	2899.2	2868.5	2870.1	2860.4	2865.3	2862.0	2836.2	2828.1	2832.9	2820.0	2813.5
12.5°	3012.4	2970.4	2970.4	2951.0	2939.7	2905.7	2852.3	2832.9	2836.2	2824.9	2820.0
15°	3120.8	3082.0	3073.9	3035.1	2983.3	2920.3	2871.7	2858.8	2862.0	2850.7	2842.6
17.5°	3248.5	3198.4	3169.3	3098.1	3002.7	2938.0	2889.5	2858.8	2832.9	2807.1	2800.6
20°	3366.5	3303.5	3250.1	3140.2	3023.7	2934.8	2844.3	2768.3	2705.2	2671.2	2663.2
22.5°	3487.8	3407.0	3313.2	3169.3	3022.1	2876.6	2710.0	2595.2	2501.5	2451.3	2461.0
25°	3602.6	3500.7	3373.0	3196.8	2970.4	2747.2	2520.9	2349.5	2242.7	2203.9	2192.6
27.5°	3698.0	3571.9	3428.0	3183.8	2863.7	2561.3	2262.1	2071.3	1967.9	1924.2	1912.9
30°	3804.7	3662.4	3507.2	3124.0	2695.5	2301.0	1969.5	1814.2	1739.9	1697.8	1699.4
32.5°	3927.6	3778.9	3618.8	3009.2	2480.4	2019.6	1728.5	1621.8	1562.0	1520.0	1513.5
35°	4092.6	3945.4	3693.2	2836.2	2207.2	1760.9	1563.6	1476.3	1401.9	1346.9	1335.6
37.5°	4296.3	4196.0	3701.3	2604.9	1914.5	1583.0	1445.6	1351.8	1261.2	1188.5	1180.4
40°	4645.6	4530.8	3635.0	2315.5	1665.5	1468.2	1346.9	1238.6	1133.5	1052.6	1041.3
42.5°	5143.6	4907.5	3492.7	1988.9	1477.9	1377.7	1253.2	1115.7	1009.0	952.4	944.3
45°	5777.4	5327.9	3279.2	1681.7	1338.9	1288.7	1154.5	1010.6	954.0	913.6	905.5
47.5°	6553.6	5817.9	3033.4	1442.3	1230.5	1207.9	1054.3	975.0	924.9	891.0	882.9
50°	7481.7	6442.0	2831.3	1254.8	1133.5	1114.1	1021.9	954.0	913.6	886.1	879.6
52.5°	8540.9	7135.7	2732.7	1120.6	1049.4	1030.0	1010.6	949.2	915.2	894.2	886.1
55°	9640.4	7866.6	2640.5	1017.1	978.3	989.6	1012.2	965.3	939.5	912.0	903.9
57.5°	10702.7	8552.2	2414.1	936.2	926.5	970.2	1020.3	981.5	950.8	923.3	913.6
60°	11435.2	8927.3	2030.9	871.5	887.7	945.9	999.3	957.2	918.4	907.1	902.3
62.5°	11632.5	8882.0	1576.5	805.3	840.8	892.6	944.3	916.8	876.4	894.2	895.8
65°	11171.7	8396.9	1183.6	740.6	779.4	823.0	887.7	876.4	861.8	910.4	912.0
67.5°	9866.8	7205.2	902.3	684.0	716.3	769.7	869.9	916.8	920.1	981.5	975.0
70°	7465.6	5382.9	706.6	630.6	667.8	769.7	926.5	947.5	908.7	965.3	952.4
72.5°	5161.4	3552.5	601.5	583.7	608.0	734.1	924.9	924.9	882.9	882.9	858.6
75°	3206.5	2089.1	523.9	523.9	523.9	641.9	899.0	852.1	777.8	743.8	724.4
77.5°	1583.0	1015.5	439.8	456.0	438.2	536.8	734.1	696.9	651.6	616.1	603.1
80°	675.9	507.7	355.7	373.5	352.5	404.2	582.1	574.0	530.4	483.5	468.9
82.5°	310.5	261.9	284.6	292.7	257.1	304.0	425.3	425.3	401.0	336.3	312.1
85°	132.6	139.1	197.3	197.3	161.7	171.4	228.0	216.7	194.0	158.5	145.5
87.5°	45.3	67.9	100.3	87.3	34.0	14.6	8.1	3.2	0.0	0.0	0.0
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)