

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: P641690

Luminaire Tested: GWS-SA6B-735-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641690  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-735-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

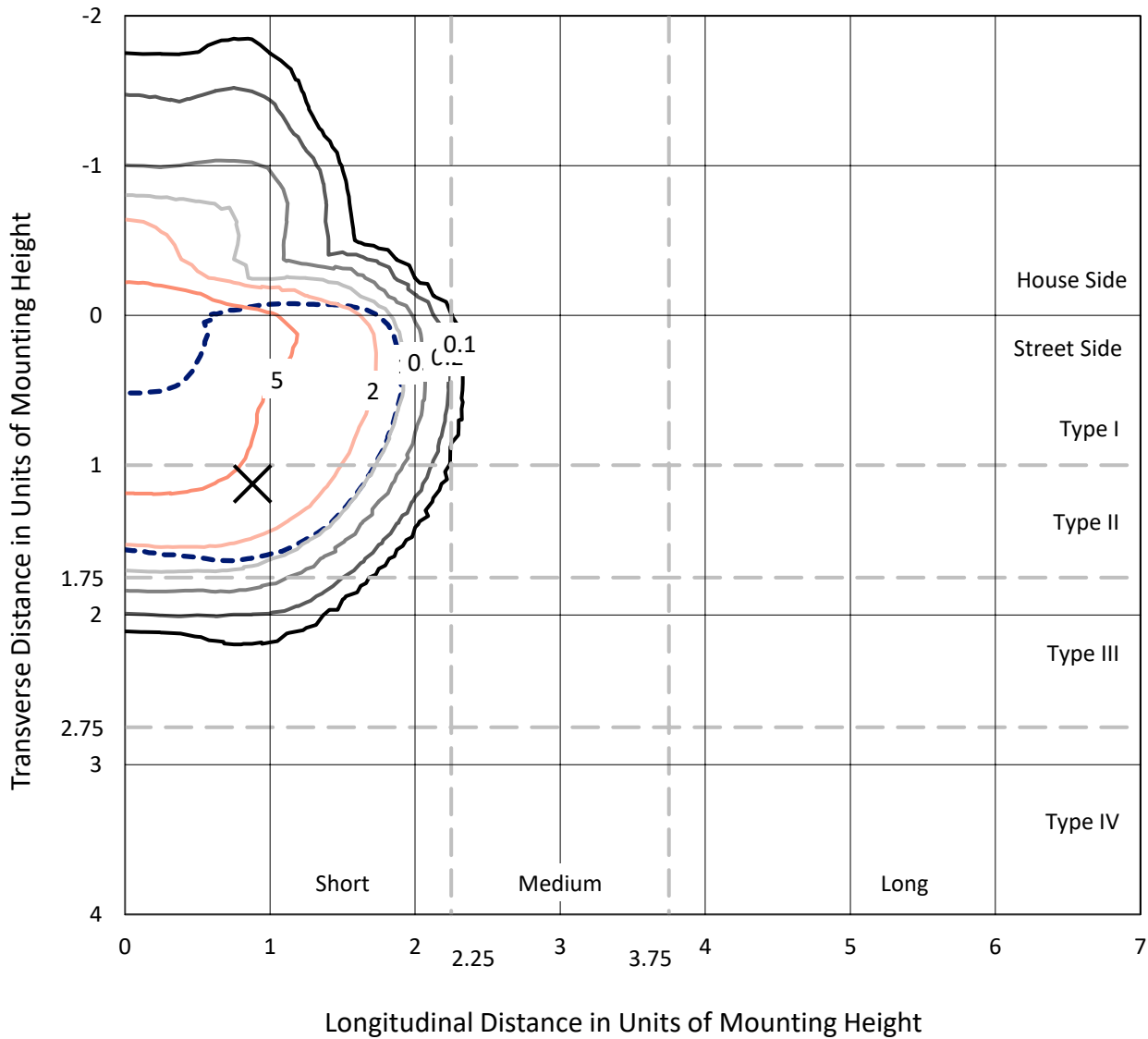
Lumens per Lamp: N/A  
Luminaire Lumens: 13097.2 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P641690  
 CATALOG NUMBER: GWS-SA6B-735-U-T3R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

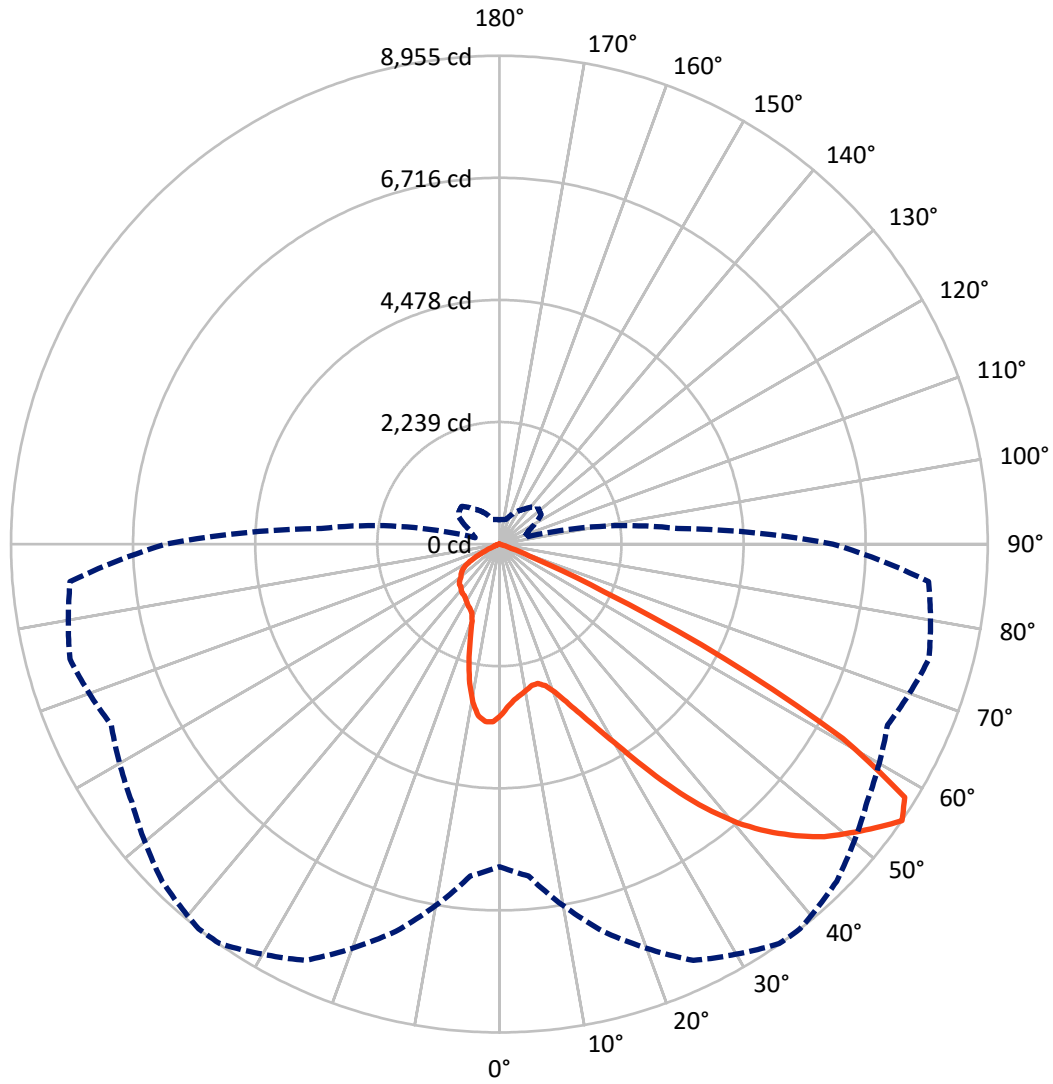
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P641690  
CATALOG NUMBER: GWS-SA6B-735-U-T3R-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P641690

CATALOG NUMBER: GWS-SA6B-735-U-T3R-W-GRSBK

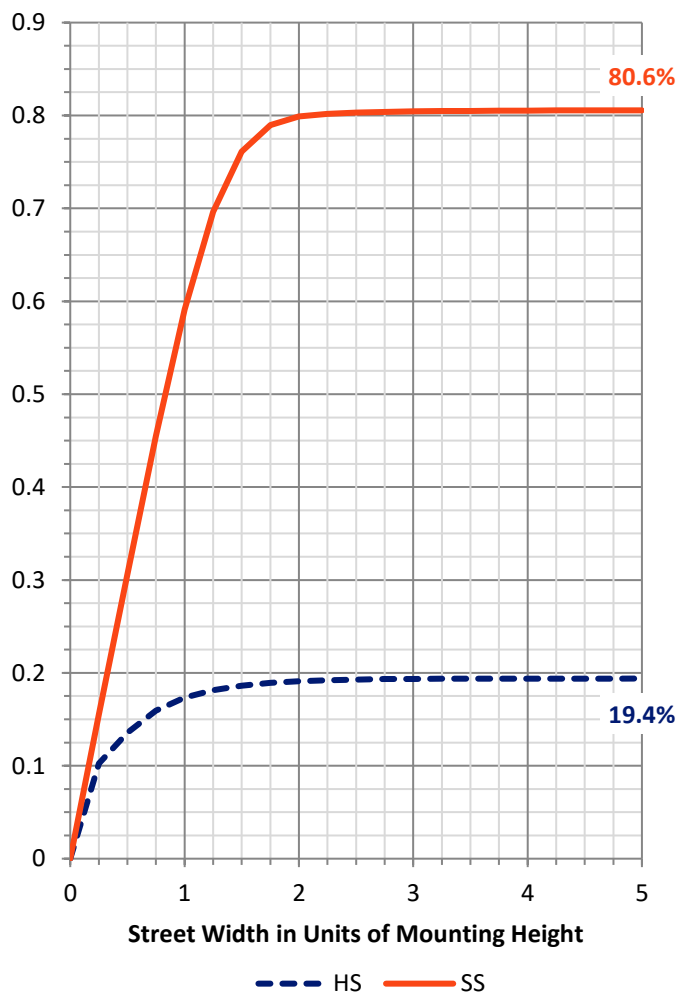
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2551.7	0.0	2551.7
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	10545.5	0.0	10545.5
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	13097.2	0.0	13097.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.4	2.2
10°-20°	781.8	6.0
20°-30°	1341.6	10.2
30°-40°	2225.2	17.0
40°-50°	3271.2	25.0
50°-60°	3822.4	29.2
60°-70°	1295.7	9.9
70°-80°	66.2	0.5
80°-90°	2.6	0.0
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°	13097.2	100.0
0°-180°	13097.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641690

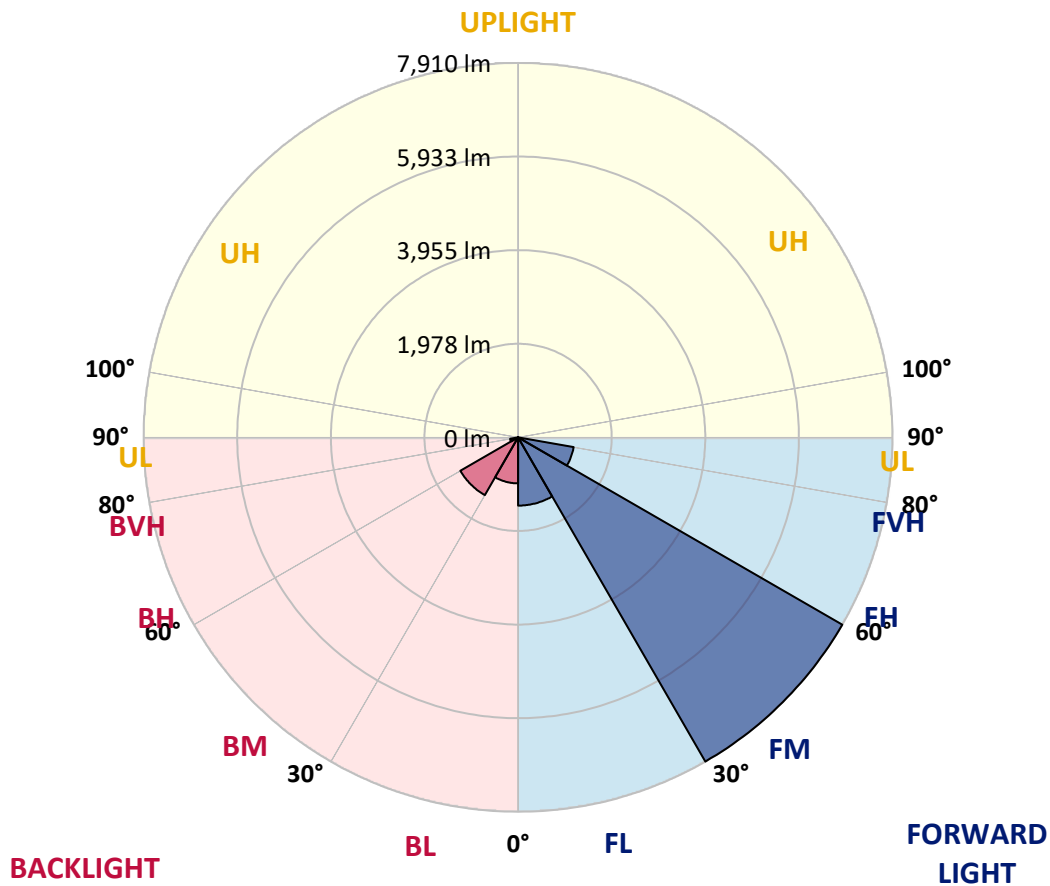
CATALOG NUMBER: GWS-SA6B-735-U-T3R-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1441.7	11.0			
FM (30°-60°)	7910.3	60.4			
FH (60°-80°)	1192.1	9.1			G1/1800
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	972.2	7.4	B2/1000		
BM (30°-60°)	1408.5	10.8	B2/2500		
BH (60°-80°)	169.9	1.3	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





REPORT NUMBER: P641690

CATALOG NUMBER: GWS-SA6B-735-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8
2.5°	2925.2	2919.2	2931.2	2955.2	2977.6	2985.1	3007.6	3039.0	3058.5	3104.9	3142.3
5°	2793.5	2790.5	2802.5	2823.4	2853.4	2863.9	2898.3	2950.7	3003.1	3083.9	3163.3
7.5°	2673.7	2672.2	2690.2	2736.6	2780.0	2793.5	2835.4	2899.8	2970.1	3094.4	3211.2
10°	2516.5	2518.0	2552.5	2618.3	2697.7	2724.6	2792.0	2884.8	2976.1	3136.3	3298.0
12.5°	2465.6	2468.6	2486.6	2537.5	2624.3	2658.8	2753.1	2893.8	3010.6	3196.2	3410.3
15°	2589.9	2589.9	2574.9	2580.9	2619.8	2651.3	2750.1	2923.7	3069.0	3268.1	3521.1
17.5°	2830.9	2821.9	2784.5	2733.6	2720.1	2730.6	2810.0	2988.1	3151.3	3351.9	3646.8
20°	3157.3	3160.3	3086.9	2980.6	2895.3	2893.8	2941.7	3101.9	3269.6	3452.2	3783.0
22.5°	3552.5	3540.5	3443.2	3298.0	3149.8	3137.8	3157.3	3275.5	3440.2	3610.9	3950.7
25°	4010.6	4004.6	3866.9	3672.3	3476.1	3447.7	3447.7	3564.5	3684.2	3836.9	4151.3
27.5°	4489.7	4489.7	4356.4	4131.9	3871.4	3820.5	3813.0	3950.7	4030.1	4060.0	4320.5
30°	4982.2	4976.2	4844.5	4613.9	4335.5	4283.1	4262.1	4363.9	4420.8	4331.0	4531.6
32.5°	5482.2	5492.7	5359.4	5145.4	4896.8	4862.4	4798.0	4798.0	4844.5	4718.7	4863.9
35°	6019.6	6016.6	5911.8	5766.6	5554.1	5515.1	5408.8	5242.7	5313.0	5257.6	5323.5
37.5°	6494.2	6516.7	6465.8	6358.0	6185.8	6146.9	5971.7	5670.8	5724.7	5811.5	5869.9
40°	6976.2	6994.2	7045.1	7010.7	6793.6	6721.8	6410.4	5916.3	5976.2	6274.1	6441.8
42.5°	7449.3	7458.3	7561.6	7618.5	7328.1	7202.3	6742.7	6066.0	6128.9	6636.4	6929.8
45°	7750.2	7769.7	7940.3	8114.0	7799.6	7627.5	7031.6	6257.7	6284.6	6887.9	7290.6
47.5°	7738.2	7783.2	8103.5	8419.4	8205.3	8019.7	7379.0	6564.6	6519.6	7124.5	7528.7
50°	7497.2	7551.1	8010.7	8512.2	8497.3	8325.1	7765.2	7009.2	6868.5	7334.0	7558.6
52.5°	6997.2	7152.9	7847.5	8524.2	8732.3	8645.5	8242.8	7608.0	7340.0	7635.0	7606.5
55°	5916.3	6108.0	7352.0	8422.4	8944.9	8955.3	8744.3	8232.3	7852.0	8152.9	7901.4
57.5°	4491.1	4643.8	5658.8	7497.2	8593.1	8765.2	8938.9	8561.6	8167.9	8506.2	7970.3
60°	2706.7	2883.3	3543.5	5501.7	6940.3	7233.7	7914.9	7841.5	7367.0	7512.2	6536.1
62.5°	1097.3	1190.2	1636.3	3031.5	4368.4	4642.3	5295.1	5405.8	5289.1	5140.9	3964.2
65°	401.2	438.6	655.7	1253.0	2009.0	2109.3	2453.7	2649.8	2811.5	2393.8	1474.6
67.5°	248.5	272.5	426.7	643.7	730.6	679.7	691.6	824.9	787.4	486.5	263.5
70°	184.1	203.6	333.8	446.1	294.9	227.6	154.2	164.7	148.2	130.2	128.7
72.5°	127.2	145.2	250.0	263.5	113.8	80.8	56.9	79.3	89.8	88.3	91.3
75°	83.8	97.3	157.2	103.3	28.4	22.5	19.5	41.9	53.9	53.9	55.4
77.5°	49.4	56.9	55.4	21.0	6.0	6.0	4.5	7.5	12.0	13.5	16.5
80°	6.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
82.5°	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
85°	0.0	0.0	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5	4.5
87.5°	0.0	0.0	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5	4.5
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: P641690

CATALOG NUMBER: GWS-SA6B-735-U-T3R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8	3140.8
2.5°	3170.7	3160.3	3203.7	3235.1	3260.6	3272.5	3256.1	3254.6	3254.6	3221.6	3212.7
5°	3208.2	3212.7	3274.0	3301.0	3305.5	3290.5	3253.1	3227.6	3212.7	3178.2	3158.8
7.5°	3280.0	3295.0	3353.4	3348.9	3308.5	3239.6	3140.8	3064.5	3015.1	2961.2	2928.2
10°	3383.3	3411.8	3447.7	3384.8	3256.1	3080.9	2877.3	2732.1	2645.3	2583.9	2546.5
12.5°	3509.1	3537.5	3525.6	3377.3	3109.4	2796.5	2534.5	2324.9	2224.6	2169.2	2130.3
15°	3636.3	3654.3	3576.5	3287.5	2850.4	2429.7	2137.8	1929.7	1806.9	1762.0	1729.1
17.5°	3766.6	3762.1	3585.4	3110.9	2504.6	2016.5	1729.1	1586.9	1552.4	1545.0	1542.0
20°	3902.8	3862.4	3549.5	2857.9	2088.4	1607.8	1444.7	1453.6	1516.5	1546.5	1552.4
22.5°	4058.5	3956.7	3459.7	2515.0	1663.2	1339.9	1356.3	1444.7	1530.0	1570.4	1576.4
25°	4224.7	4043.5	3310.0	2074.9	1311.4	1232.1	1329.4	1431.2	1522.5	1571.9	1577.9
27.5°	4334.0	4064.5	3064.5	1631.8	1125.8	1190.2	1293.5	1390.8	1485.1	1539.0	1546.5
30°	4452.2	4055.5	2730.6	1257.5	1062.9	1154.2	1244.0	1332.4	1419.2	1479.1	1485.1
32.5°	4625.9	4049.5	2323.4	1021.0	1037.5	1125.8	1191.7	1265.0	1324.9	1359.3	1354.8
35°	4853.4	4042.0	1848.9	920.7	1022.5	1103.3	1155.7	1190.2	1124.3	1103.3	1107.8
37.5°	5145.4	4060.0	1449.1	878.8	1018.0	1097.3	1142.2	1043.4	941.6	902.7	896.7
40°	5468.7	4106.4	1104.8	862.3	1033.0	1112.3	1091.3	928.2	802.4	726.1	709.6
42.5°	5793.6	4157.3	874.3	856.3	1058.4	1154.2	1007.5	844.3	655.7	612.3	606.3
45°	6034.6	4148.3	756.0	845.8	1080.9	1178.2	985.1	724.6	585.3	565.9	567.4
47.5°	6155.9	4049.5	691.6	821.9	1089.9	1154.2	929.7	675.2	537.4	558.4	576.4
50°	6091.5	3793.5	631.8	775.5	1070.4	1122.8	841.3	637.7	513.5	600.3	640.7
52.5°	6013.6	3479.1	565.9	703.6	1024.0	1079.4	806.9	627.3	498.5	579.4	609.3
55°	6116.9	3280.0	458.1	592.8	932.7	977.6	780.0	625.8	464.1	450.6	446.1
57.5°	5971.7	2883.3	327.9	426.7	715.6	774.0	760.5	615.3	411.7	410.2	416.2
60°	4615.4	1759.0	224.6	271.0	438.6	494.0	690.1	588.3	354.8	326.4	327.9
62.5°	2622.8	748.5	154.2	167.7	224.6	266.5	527.0	534.4	327.9	311.4	327.9
65°	913.2	268.0	119.8	112.3	124.3	142.2	302.4	413.2	297.9	269.5	272.5
67.5°	188.6	133.2	106.3	92.8	92.8	92.8	154.2	257.5	245.5	214.1	217.1
70°	119.8	113.8	92.8	79.3	76.3	70.4	88.3	142.2	169.2	155.7	157.2
72.5°	88.3	86.8	73.4	64.4	56.9	50.9	55.4	70.4	86.8	89.8	91.3
75°	53.9	55.4	47.9	40.4	35.9	31.4	32.9	32.9	32.9	29.9	32.9
77.5°	16.5	18.0	15.0	12.0	10.5	10.5	10.5	9.0	7.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0
82.5°	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
85°	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	0.0	0.0	0.0
87.5°	4.5	4.5	4.5	4.5	3.0	3.0	1.5	1.5	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)