

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: P642023

Luminaire Tested: GWS-SA6C-722-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642023  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-722-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21262.5 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
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

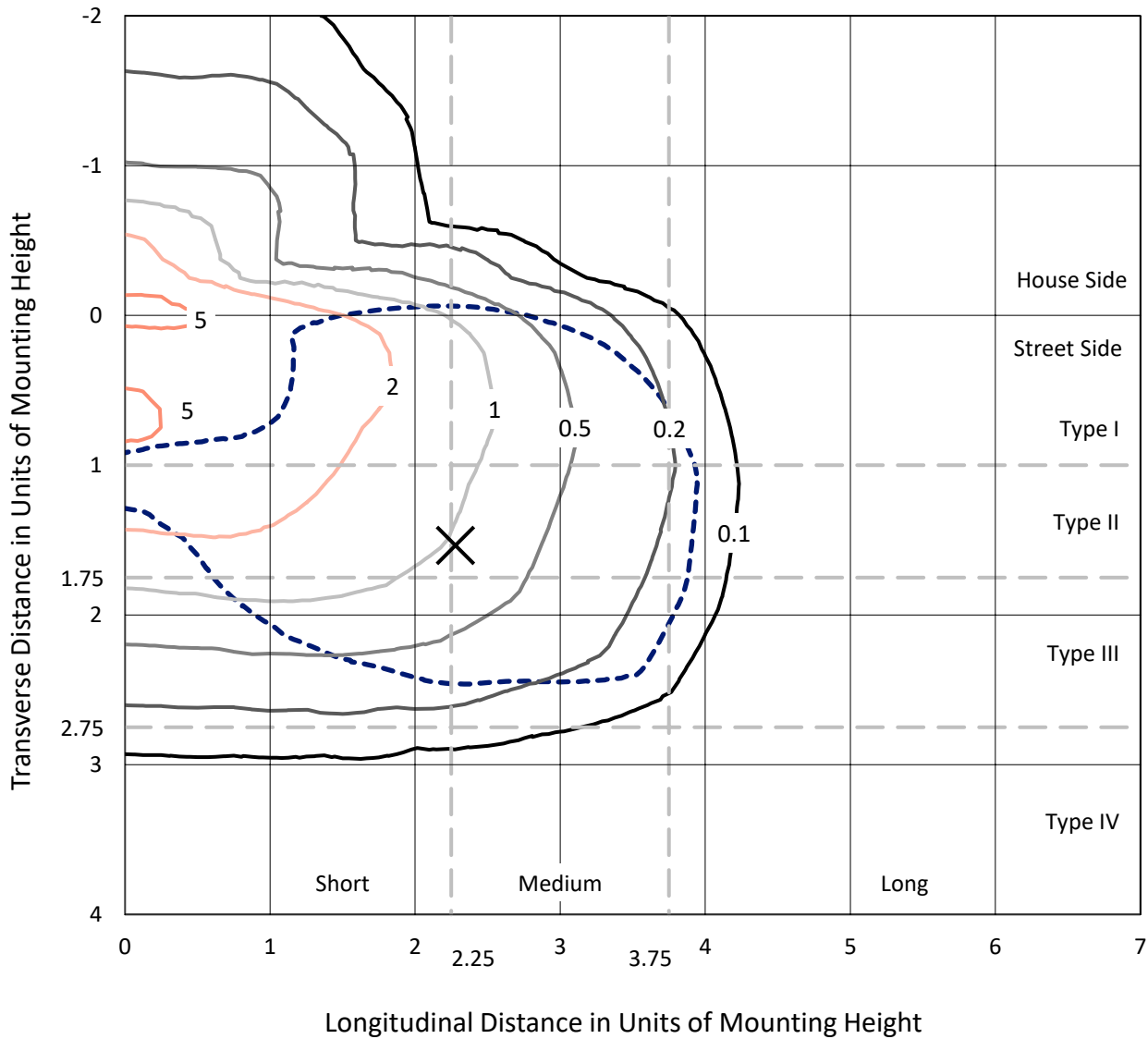


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### Iso-Footcandle Lines of Horizontal Illumination

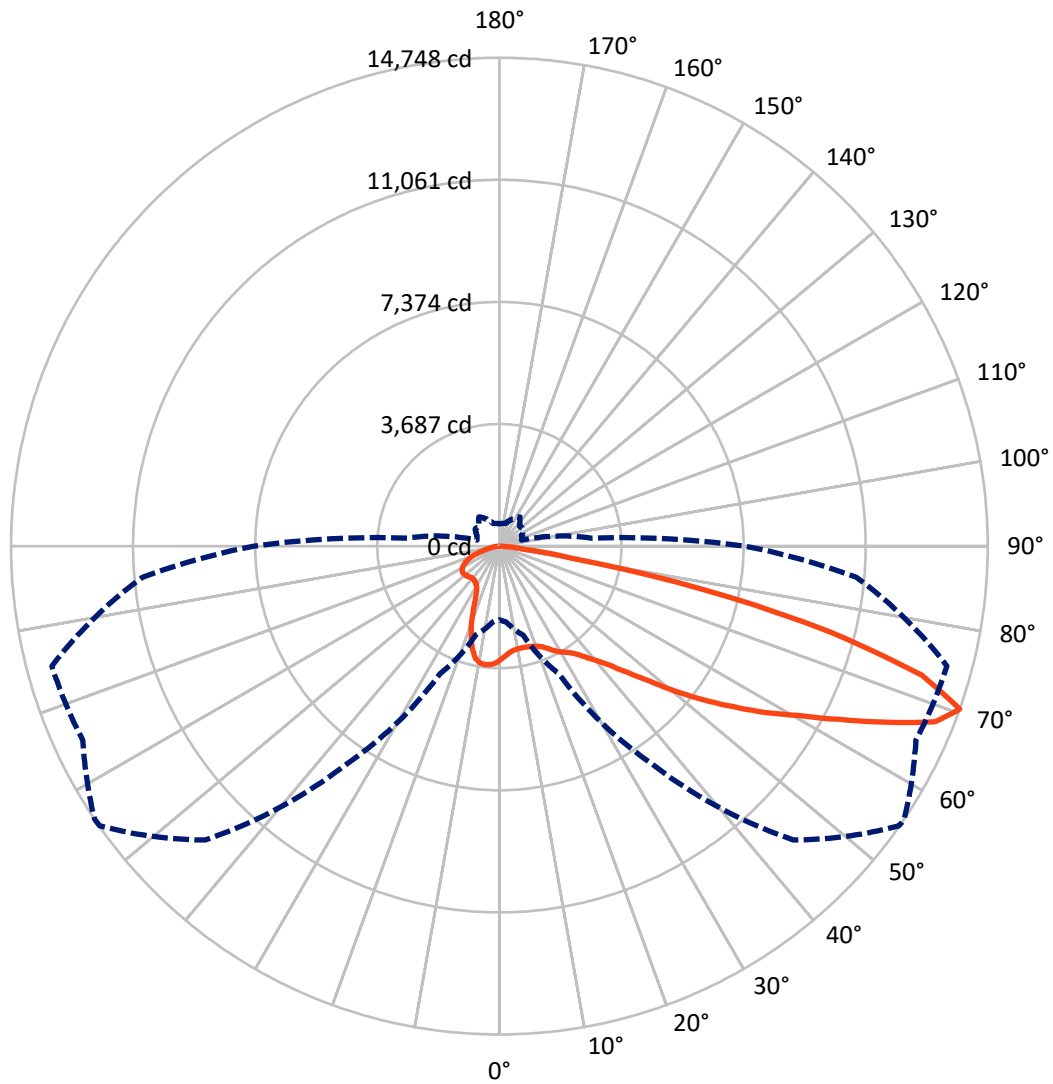
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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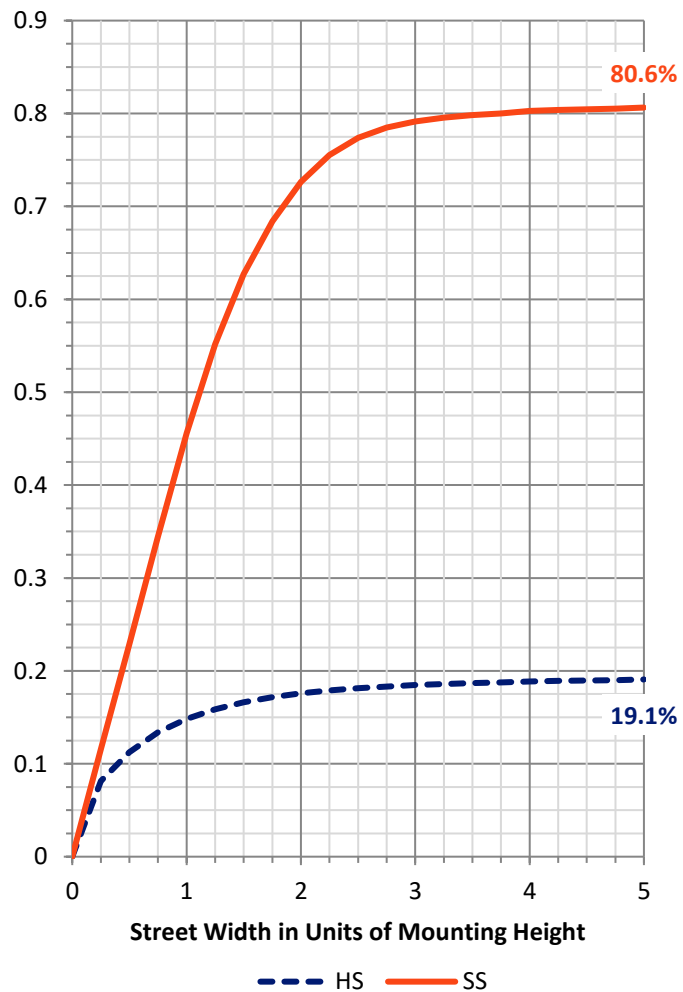
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4087.7	0.0	4087.7
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	17174.8	0.0	17174.8
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	21262.5	0.0	21262.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.6	1.5
10°-20°	860.6	4.0
20°-30°	1422.7	6.7
30°-40°	2127.2	10.0
40°-50°	3165.5	14.9
50°-60°	4500.4	21.2
60°-70°	5574.0	26.2
70°-80°	3077.8	14.5
80°-90°	216.8	1.0
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°	21262.5	100.0
0°-180°	21262.5	100.0

**Coefficient of Utilization**



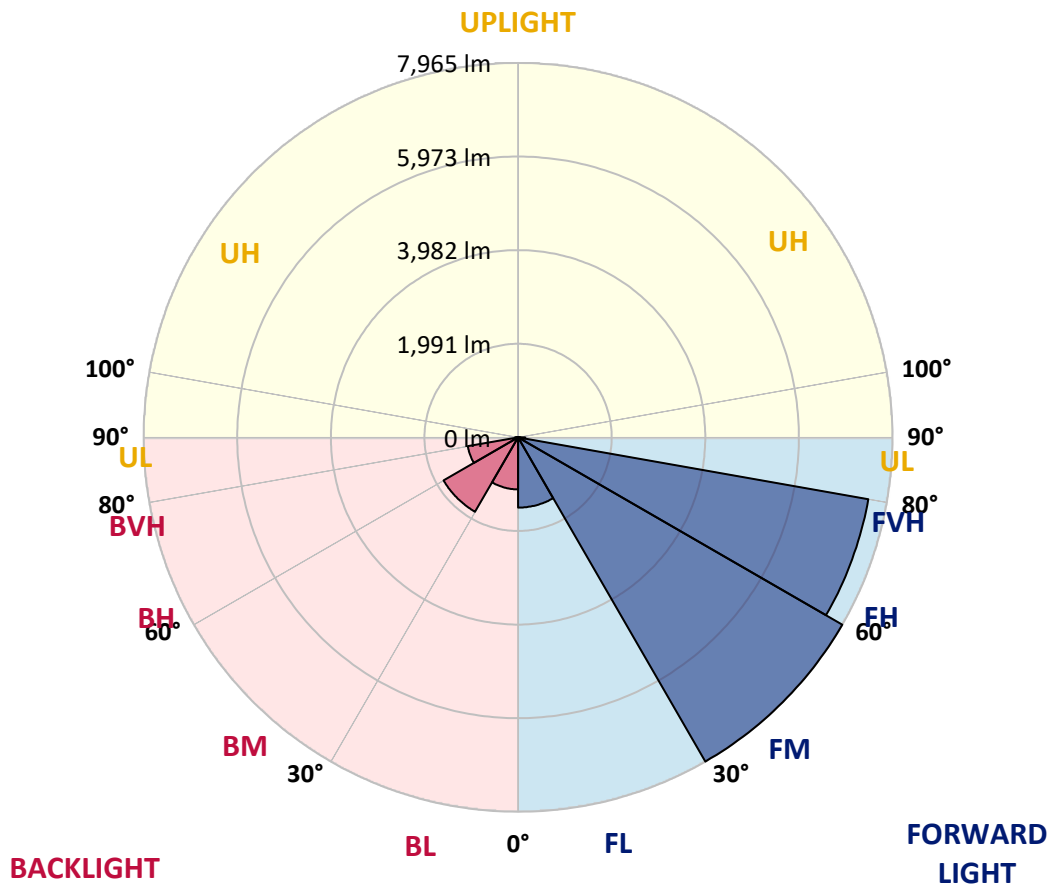
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1494.3	7.0			
FM (30°-60°)	7964.6	37.5			
FH (60°-80°)	7565.2	35.6			G4/12000
FVH (80°-90°)	150.6	0.7			G2/225
BL (0°-30°)	1106.6	5.2	B3/2500		
BM (30°-60°)	1828.5	8.6	B2/2500		
BH (60°-80°)	1086.5	5.1	B3/2500		G3/2500
BVH (80°-90°)	66.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1
2.5°	3211.7	3193.7	3214.7	3225.2	3252.2	3291.2	3325.6	3327.1	3345.1	3388.6	3430.6
5°	3066.2	3057.2	3063.2	3094.7	3123.2	3172.7	3225.2	3229.7	3280.7	3366.1	3450.1
7.5°	2953.8	2941.8	2964.3	3004.8	3040.8	3096.2	3165.2	3171.2	3243.2	3372.1	3501.1
10°	2791.9	2782.9	2824.8	2878.8	2956.8	3048.3	3139.7	3147.2	3241.7	3411.1	3591.0
12.5°	2721.4	2721.4	2739.4	2790.4	2875.8	2997.3	3135.2	3147.2	3265.7	3471.1	3706.5
15°	2830.8	2838.3	2823.3	2820.3	2854.8	2970.3	3141.2	3159.2	3310.6	3532.6	3820.4
17.5°	3051.3	3058.7	3019.8	2958.3	2923.8	2995.8	3163.7	3183.2	3358.6	3600.0	3943.4
20°	3360.1	3369.1	3283.7	3189.2	3070.7	3069.2	3207.2	3225.2	3420.1	3673.5	4073.8
22.5°	3721.5	3727.5	3619.5	3469.6	3288.2	3205.7	3282.2	3300.1	3499.6	3775.5	4214.8
25°	4139.8	4157.8	4027.4	3809.9	3564.0	3393.1	3406.6	3427.6	3642.0	3911.9	4381.2
27.5°	4586.6	4609.1	4459.2	4219.3	3880.4	3600.0	3567.0	3585.0	3793.4	3995.9	4469.7
30°	5043.9	5060.4	4910.5	4636.1	4220.8	3833.9	3702.0	3712.5	3859.4	4036.3	4559.6
32.5°	5552.2	5538.7	5394.8	5078.4	4613.6	4114.3	3827.9	3824.9	3932.9	4117.3	4688.6
35°	6029.0	6048.5	5895.6	5546.2	5045.4	4460.7	4016.9	4004.9	4088.8	4249.3	4870.0
37.5°	6606.3	6600.3	6417.4	6039.5	5478.8	4792.0	4282.2	4261.3	4291.2	4454.7	5123.4
40°	7018.6	7060.6	6942.2	6589.8	5985.5	5199.9	4592.6	4546.1	4553.6	4708.1	5462.3
42.5°	7356.0	7395.0	7407.0	7182.1	6565.8	5703.7	4979.5	4933.0	4937.5	5156.4	5879.1
45°	7615.4	7667.9	7837.3	7771.3	7219.5	6285.4	5502.7	5454.8	5457.8	5700.7	6382.9
47.5°	7721.8	7778.8	8122.2	8279.6	7913.8	6981.1	6153.5	6083.0	6093.5	6361.9	6958.7
50°	7687.4	7763.8	8228.6	8670.9	8495.5	7688.9	6931.7	6882.2	6841.7	7231.5	7583.9
52.5°	7390.5	7474.4	8218.1	8919.8	8970.8	8357.6	7735.3	7706.8	7697.8	8155.2	8282.6
55°	6516.3	6657.3	7856.8	8985.8	9342.7	8987.3	8606.5	8558.5	8605.0	9144.8	8988.8
57.5°	6032.0	6137.0	7149.1	8912.4	9647.0	9587.1	9476.1	9480.6	9533.1	10219.8	9845.0
60°	5756.1	5879.1	6756.2	8711.4	9939.4	10315.8	10386.2	10386.2	10480.7	11378.8	10714.6
62.5°	5390.3	5514.7	6388.9	8324.6	10209.3	11173.4	11530.3	11525.8	11563.3	12621.8	11564.8
65°	4648.1	4763.5	5651.2	7714.3	10341.3	12118.0	12830.2	12816.8	12741.8	13728.4	12127.0
67.5°	3375.1	3484.6	4328.7	6553.8	9866.0	12879.7	14169.2	14175.2	13726.9	14425.6	12157.0
70°	2225.1	2300.1	2782.9	4256.8	8023.2	12551.4	14730.0	14748.0	13878.3	13990.8	10819.6
72.5°	1388.4	1440.9	1737.8	2538.5	4741.1	9934.9	13290.6	13340.0	12485.4	12295.0	8889.9
75°	922.1	958.1	1156.0	1479.9	2193.6	5376.8	10102.9	10261.8	10006.9	9638.1	6194.0
77.5°	554.8	584.8	736.2	940.1	971.6	2100.6	5897.1	6307.9	6343.9	5031.9	2593.9
80°	253.4	287.9	406.3	536.8	517.3	731.7	2079.6	2175.6	2566.9	1598.3	818.7
82.5°	149.9	164.9	269.9	266.9	220.4	355.4	748.2	767.7	652.2	584.8	349.4
85°	60.0	70.5	114.0	100.5	81.0	115.5	281.9	295.4	283.4	254.9	128.9
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	25.5	27.0	39.0	70.5	39.0
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°	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1	3432.1
2.5°	3457.6	3448.6	3493.6	3528.1	3543.0	3558.0	3544.5	3540.1	3540.1	3510.1	3495.1
5°	3495.1	3499.6	3561.0	3589.5	3589.5	3577.5	3541.5	3516.1	3507.1	3468.1	3457.6
7.5°	3565.5	3585.0	3642.0	3640.5	3598.5	3532.6	3442.6	3373.6	3310.6	3283.7	3267.2
10°	3681.0	3706.5	3745.5	3682.5	3565.5	3391.6	3201.2	3051.3	2961.3	2889.3	2889.3
12.5°	3812.9	3836.9	3829.4	3684.0	3442.6	3117.2	2842.8	2670.4	2544.5	2478.5	2478.5
15°	3944.9	3964.4	3883.4	3615.0	3186.2	2752.9	2453.0	2246.1	2136.6	2075.2	2075.2
17.5°	4078.3	4076.8	3905.9	3456.1	2851.8	2349.5	2055.7	1895.2	1857.7	1847.2	1845.7
20°	4207.3	4172.8	3877.4	3190.7	2463.5	1943.2	1757.3	1767.8	1823.3	1847.2	1850.2
22.5°	4352.7	4267.3	3793.4	2851.8	2022.7	1661.3	1673.3	1760.3	1841.2	1877.2	1881.7
25°	4501.2	4348.2	3652.5	2454.5	1653.8	1557.9	1650.8	1748.3	1839.7	1886.2	1890.7
27.5°	4561.1	4348.2	3412.6	1994.2	1457.4	1514.4	1616.3	1710.8	1806.8	1860.7	1871.2
30°	4610.6	4310.7	3076.7	1578.9	1376.4	1472.4	1560.9	1647.8	1742.3	1808.3	1820.3
32.5°	4679.6	4277.7	2670.4	1327.0	1339.0	1431.9	1493.4	1566.9	1652.3	1695.8	1691.3
35°	4760.6	4226.8	2180.1	1207.0	1307.5	1397.4	1440.9	1484.4	1445.4	1443.9	1448.4
37.5°	4876.0	4181.8	1752.8	1153.0	1286.5	1373.4	1409.4	1316.5	1262.5	1240.0	1231.0
40°	5042.4	4163.8	1382.4	1121.5	1283.5	1371.9	1346.4	1202.5	1129.0	1051.1	1049.6
42.5°	5252.3	4150.3	1142.5	1106.5	1294.0	1406.4	1259.5	1127.5	976.1	941.6	938.6
45°	5522.2	4129.3	1022.6	1103.5	1319.5	1433.4	1250.5	1024.1	920.6	905.6	905.6
47.5°	5847.6	4096.3	968.6	1103.5	1347.9	1421.4	1223.5	1001.6	895.1	911.6	922.1
50°	6221.0	4054.3	940.1	1100.5	1376.4	1421.4	1166.5	997.1	889.1	974.6	1009.1
52.5°	6619.8	4006.4	920.6	1088.6	1395.9	1422.9	1169.5	1012.1	895.1	989.6	1018.1
55°	7060.6	3998.9	893.6	1063.1	1401.9	1383.9	1177.0	1045.1	904.1	896.6	898.1
57.5°	7616.9	4088.8	874.1	1025.6	1377.9	1304.5	1192.0	1069.1	893.6	895.1	905.6
60°	8198.6	4258.3	890.6	989.6	1328.5	1229.5	1202.5	1057.1	842.7	818.7	821.7
62.5°	8693.4	4387.2	904.1	973.1	1256.5	1163.5	1192.0	1030.1	814.2	808.2	821.7
65°	8900.4	4280.7	871.1	938.6	1151.5	1082.6	1169.5	995.6	790.2	767.7	769.2
67.5°	8670.9	3781.5	806.7	862.1	1033.1	979.1	1133.5	950.6	757.2	730.2	724.2
70°	7407.0	2778.4	695.7	740.7	889.1	857.6	1078.1	892.1	704.7	685.2	671.7
72.5°	5969.1	1967.2	577.3	589.3	697.2	722.7	982.1	818.7	644.7	589.3	569.8
75°	4154.8	1235.5	481.3	469.3	503.8	551.8	766.2	679.2	556.3	497.8	479.8
77.5°	1787.3	634.2	376.3	370.3	335.9	382.3	587.8	566.8	466.3	398.8	388.3
80°	598.3	367.3	271.4	260.9	223.4	268.4	413.8	452.8	365.9	295.4	277.4
82.5°	299.9	212.9	172.4	155.9	149.9	169.4	244.4	281.9	253.4	203.9	172.4
85°	146.9	121.5	94.5	93.0	78.0	73.5	102.0	120.0	114.0	84.0	79.5
87.5°	54.0	48.0	30.0	24.0	15.0	10.5	6.0	6.0	4.5	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

(END OF REPORT)