

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: P643475

Luminaire Tested: GWS-SA6F-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGF-722-U-SL2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

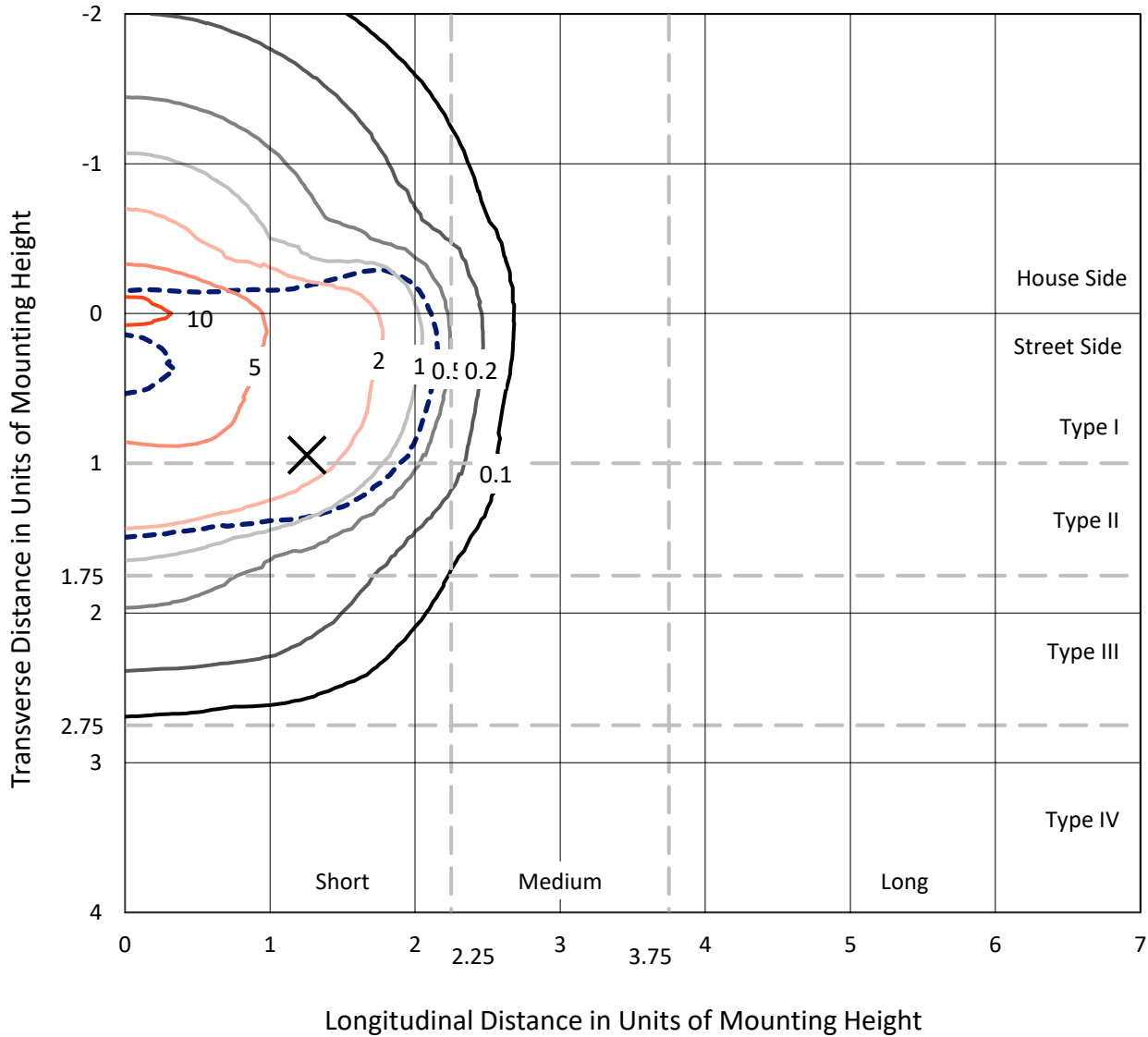
Lumens per Lamp: N/A  
Luminaire Lumens: 31224.2 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P643475  
 CATALOG NUMBER: GWS-SA6F-722-U-SL2-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

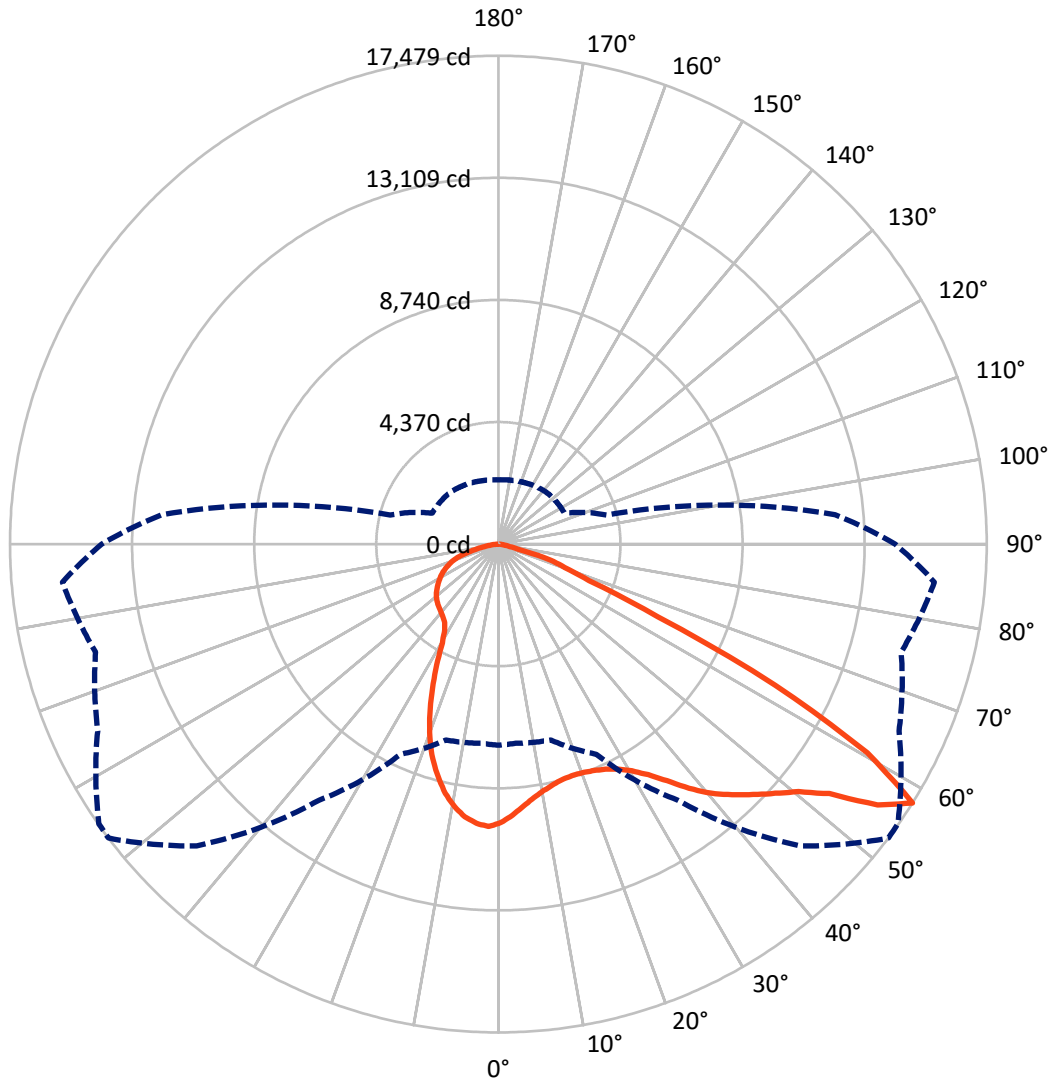
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P643475  
CATALOG NUMBER: GWS-SA6F-722-U-SL2-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P643475

CATALOG NUMBER: GWS-SA6F-722-U-SL2-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9762.7	0.0	9762.7
	% Fixture	31.3	0.0	31.3
<b>Street Side</b>	Lumens	21461.5	0.0	21461.5
	% Fixture	68.7	0.0	68.7
<b>Total</b>	Lumens	31224.2	0.0	31224.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	901.7	2.9
10°-20°	2365.5	7.6
20°-30°	3485.3	11.2
30°-40°	4878.4	15.6
40°-50°	6413.1	20.5
50°-60°	7519.3	24.1
60°-70°	4429.7	14.2
70°-80°	1102.0	3.5
80°-90°	129.3	0.4
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°	31224.2	100.0
0°-180°	31224.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P643475

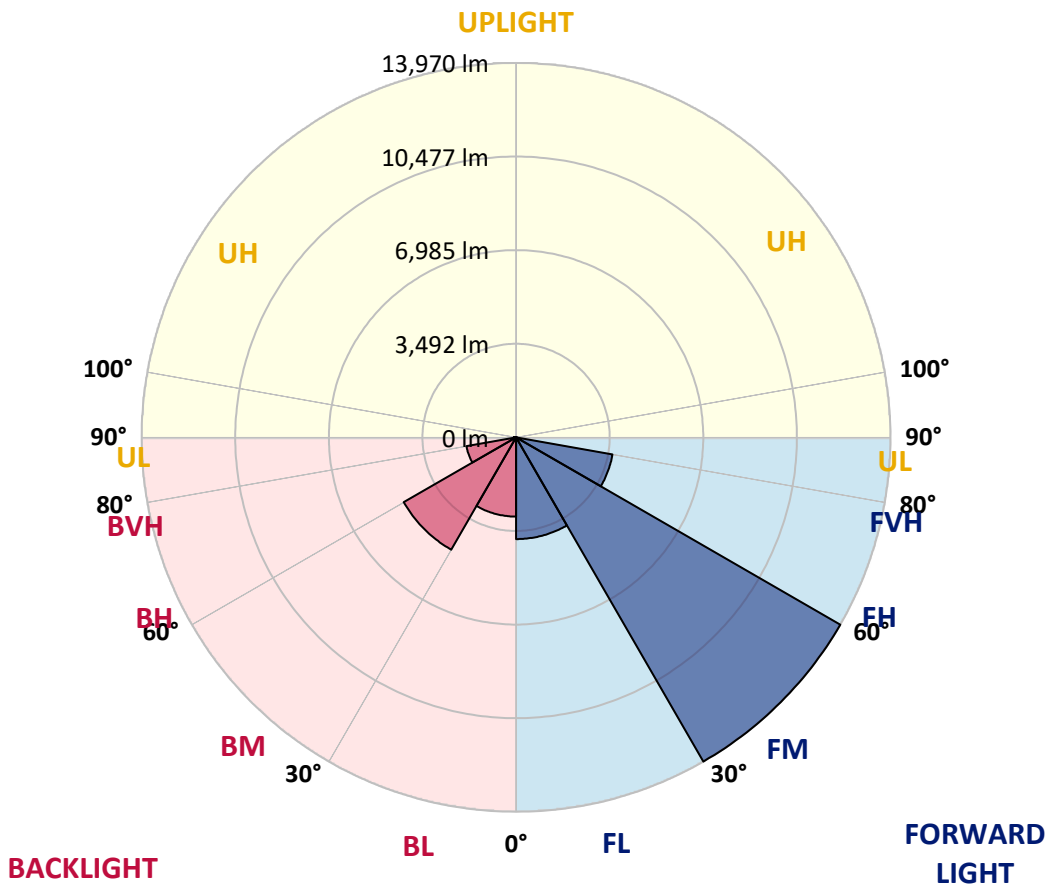
CATALOG NUMBER: GWS-SA6F-722-U-SL2-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3796.3	12.2			
FM (30°-60°)	13970.0	44.7			
FH (60°-80°)	3652.0	11.7			G2/5000
FVH (80°-90°)	43.3	0.1			G1/100
BL (0°-30°)	2956.2	9.5	B4/5000		
BM (30°-60°)	4840.8	15.5	B3/5000		
BH (60°-80°)	1879.6	6.0	B3/2500		G3/2500
BVH (80°-90°)	86.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type II Short





REPORT NUMBER: P643475

CATALOG NUMBER: GWS-SA6F-722-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7
2.5°	9397.8	9424.1	9429.4	9510.8	9516.1	9634.3	9713.2	9697.4	9778.9	9878.7	9957.6
5°	8948.4	8951.1	8977.3	9074.6	9127.1	9282.2	9413.6	9413.6	9571.3	9776.3	9952.3
7.5°	8577.9	8575.2	8598.9	8706.7	8793.4	8980.0	9158.7	9179.7	9400.4	9700.0	9986.5
10°	8233.6	8252.0	8278.3	8409.7	8520.1	8751.3	8964.2	8998.4	9276.9	9647.5	10033.8
12.5°	8012.9	8015.5	8054.9	8202.1	8344.0	8591.0	8814.4	8856.4	9177.1	9597.6	10068.0
15°	7870.9	7873.6	7915.6	8078.6	8244.1	8493.8	8722.4	8769.7	9119.3	9589.7	10133.7
17.5°	7807.9	7805.2	7844.7	8007.6	8188.9	8449.1	8693.5	8751.3	9145.5	9650.1	10249.3
20°	7807.9	7810.5	7831.5	7978.7	8162.6	8438.6	8722.4	8793.4	9248.0	9786.8	10428.0
22.5°	7918.2	7928.8	7939.3	8039.1	8183.7	8454.4	8798.6	8893.2	9468.8	10015.4	10661.9
25°	8133.7	8136.4	8146.9	8228.3	8294.1	8499.0	8924.8	9066.7	9813.0	10349.2	10956.2
27.5°	8422.8	8459.6	8470.1	8522.7	8522.7	8609.4	9121.9	9326.9	10278.2	10830.1	11332.0
30°	8827.5	8840.7	8859.1	8916.9	8853.8	8817.0	9411.0	9673.8	10817.0	11410.9	11784.1
32.5°	9182.3	9211.2	9311.1	9405.7	9292.7	9177.1	9836.7	10146.8	11334.7	12015.3	12265.0
35°	9484.5	9555.5	9747.3	9957.6	9878.7	9763.1	10401.7	10725.0	11760.4	12449.0	12690.7
37.5°	9849.8	9905.0	10167.8	10509.5	10580.4	10525.2	11090.3	11321.5	12044.2	12559.3	12922.0
40°	10220.4	10304.5	10643.5	11116.5	11387.2	11426.7	11726.3	11881.3	12141.5	12343.8	12877.3
42.5°	10598.8	10743.4	11208.5	11760.4	12241.3	12330.7	12262.4	12328.1	12109.9	12046.9	12669.7
45°	11061.4	11232.2	11757.8	12462.1	13095.5	13234.7	12788.0	12727.5	12104.7	11933.9	12540.9
47.5°	11608.0	11778.8	12280.8	13100.7	13910.1	14012.6	13326.7	13216.3	12288.6	12107.3	12714.4
50°	12091.5	12209.8	12659.2	13576.4	14669.6	14730.1	13920.7	13786.6	12745.9	12588.2	13255.8
52.5°	11600.1	11587.0	12060.0	13190.1	15063.8	15791.8	14835.2	14706.4	13628.9	13387.2	14094.1
55°	9842.0	9692.2	10115.3	11226.9	13962.7	16735.3	16475.1	16217.5	14806.3	14191.3	14879.9
57.5°	7195.5	7153.5	7256.0	8299.3	11184.9	15274.1	17479.0	17455.3	15823.3	14927.2	15663.0
60°	5626.6	5563.5	5290.2	5319.1	7623.9	11931.2	15169.0	15865.4	16454.1	15368.7	16209.7
62.5°	4995.9	4948.6	4806.7	4415.1	4541.2	7999.7	11119.2	11757.8	14377.9	13573.8	13923.3
65°	4136.5	4123.4	4241.6	4225.9	3805.4	4417.7	6275.7	6919.6	9040.4	9153.4	9040.4
67.5°	3006.5	2982.8	3282.4	3873.7	3663.5	3335.0	3497.9	3721.3	4635.8	4162.8	3747.6
70°	1955.3	1921.1	2094.5	2798.8	3279.8	2906.6	2520.3	2483.5	2549.2	1584.7	1713.5
72.5°	1311.4	1272.0	1269.3	1540.0	1981.5	1957.9	1952.6	1934.2	1726.6	1250.9	1387.6
75°	730.6	699.1	691.2	664.9	709.6	722.7	770.0	796.3	862.0	948.7	1051.2
77.5°	123.5	120.9	152.4	194.5	268.1	344.3	425.7	449.4	554.5	657.0	722.7
80°	68.3	71.0	92.0	113.0	149.8	205.0	262.8	278.6	341.6	396.8	449.4
82.5°	36.8	36.8	47.3	60.4	81.5	107.7	141.9	155.1	197.1	231.3	268.1
85°	13.1	13.1	18.4	23.7	34.2	44.7	55.2	63.1	86.7	118.3	134.0
87.5°	0.0	0.0	0.0	0.0	2.6	5.3	10.5	10.5	13.1	23.7	34.2
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: P643475

CATALOG NUMBER: GWS-SA6F-722-U-SL2-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7	9970.7
2.5°	10023.3	9952.3	10049.6	10094.2	10110.0	10120.5	10052.2	10004.9	9989.1	9939.2	9910.3
5°	10060.1	10012.8	10104.8	10104.8	10039.1	9970.7	9831.4	9734.2	9665.9	9584.4	9571.3
7.5°	10123.2	10089.0	10138.9	10036.4	9870.9	9686.9	9445.1	9255.9	9103.5	9003.6	9006.2
10°	10207.3	10165.2	10125.8	9897.1	9594.9	9255.9	8885.4	8609.4	8357.1	8241.5	8178.4
12.5°	10262.4	10202.0	10036.4	9658.0	9213.9	8759.2	8236.2	7826.3	7461.0	7295.4	7282.3
15°	10330.8	10220.4	9889.3	9347.9	8730.3	8110.1	7437.3	6867.0	6373.0	6115.4	6102.3
17.5°	10420.1	10238.8	9713.2	8993.1	8220.5	7305.9	6459.7	5742.2	5216.6	5016.9	5051.1
20°	10546.3	10259.8	9513.5	8598.9	7587.1	6391.4	5337.5	4677.9	4475.5	4462.4	4436.1
22.5°	10688.2	10273.0	9292.7	8157.4	6819.7	5416.4	4409.8	4128.6	4126.0	4191.7	4207.5
25°	10848.5	10283.5	9043.0	7642.3	5989.3	4444.0	3900.0	3815.9	3881.6	4005.1	4020.9
27.5°	11053.5	10304.5	8740.8	7077.3	5106.3	3839.5	3618.8	3597.8	3676.6	3792.2	3787.0
30°	11355.7	10380.7	8420.2	6428.2	4199.6	3553.1	3448.0	3450.6	3482.1	3537.3	3545.2
32.5°	11663.2	10499.0	8107.5	5697.6	3679.2	3390.2	3342.8	3337.6	3337.6	3361.2	3366.5
35°	11954.9	10633.0	7768.4	4935.4	3426.9	3295.5	3264.0	3248.2	3240.4	3235.1	3227.2
37.5°	12117.8	10698.7	7437.3	4183.8	3292.9	3232.5	3200.9	3179.9	3151.0	3130.0	3124.7
40°	12046.9	10622.5	7053.6	3621.4	3211.4	3172.0	3135.2	3106.3	3066.9	3048.5	3038.0
42.5°	11810.3	10386.0	6635.8	3356.0	3145.7	3106.3	3061.7	3014.3	2988.1	2972.3	2969.7
45°	11560.7	10099.5	6131.2	3200.9	3082.7	3035.4	2982.8	2930.2	2901.3	2893.5	2890.8
47.5°	11552.8	9957.6	5595.1	3077.4	3006.5	2959.2	2893.5	2840.9	2809.4	2798.8	2788.3
50°	11899.7	10102.1	4990.6	2969.7	2927.6	2877.7	2804.1	2746.3	2706.9	2693.7	2691.1
52.5°	12619.8	10646.1	4449.2	2861.9	2822.5	2764.7	2704.2	2646.4	2599.1	2575.5	2572.8
55°	13397.7	11337.3	4112.9	2751.5	2699.0	2649.1	2593.9	2530.8	2478.2	2441.4	2436.2
57.5°	14201.9	12091.5	4010.4	2612.3	2572.8	2538.7	2473.0	2404.6	2344.2	2310.0	2302.2
60°	14864.1	12740.7	4202.2	2465.1	2444.1	2399.4	2338.9	2273.2	2231.2	2204.9	2199.7
62.5°	12443.7	10372.8	3392.8	2304.8	2304.8	2257.5	2189.1	2141.8	2112.9	2094.5	2089.3
65°	7897.2	6422.9	2315.3	2144.5	2141.8	2078.8	2021.0	1989.4	1976.3	1947.4	1942.1
67.5°	3440.1	2935.5	1978.9	1981.5	1971.0	1902.7	1844.9	1821.2	1794.9	1763.4	1760.8
70°	1784.4	1818.6	1771.3	1800.2	1781.8	1700.3	1645.1	1608.4	1553.2	1521.6	1524.3
72.5°	1440.2	1477.0	1529.5	1574.2	1534.8	1469.1	1382.3	1337.7	1266.7	1232.5	1235.2
75°	1098.5	1137.9	1187.9	1235.2	1203.6	1122.2	1067.0	1022.3	940.8	901.4	909.3
77.5°	756.9	777.9	838.3	835.7	825.2	801.5	720.1	667.5	583.4	536.1	541.4
80°	470.4	483.6	512.5	525.6	520.3	488.8	423.1	383.7	333.8	304.9	307.5
82.5°	283.8	291.7	318.0	320.6	318.0	294.3	244.4	215.5	184.0	168.2	168.2
85°	144.5	149.8	165.6	165.6	149.8	126.1	113.0	99.9	81.5	73.6	73.6
87.5°	39.4	39.4	49.9	42.0	34.2	31.5	15.8	13.1	5.3	2.6	2.6
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)