

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: P643007

Luminaire Tested: GWS-SA6E-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643007  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-722-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

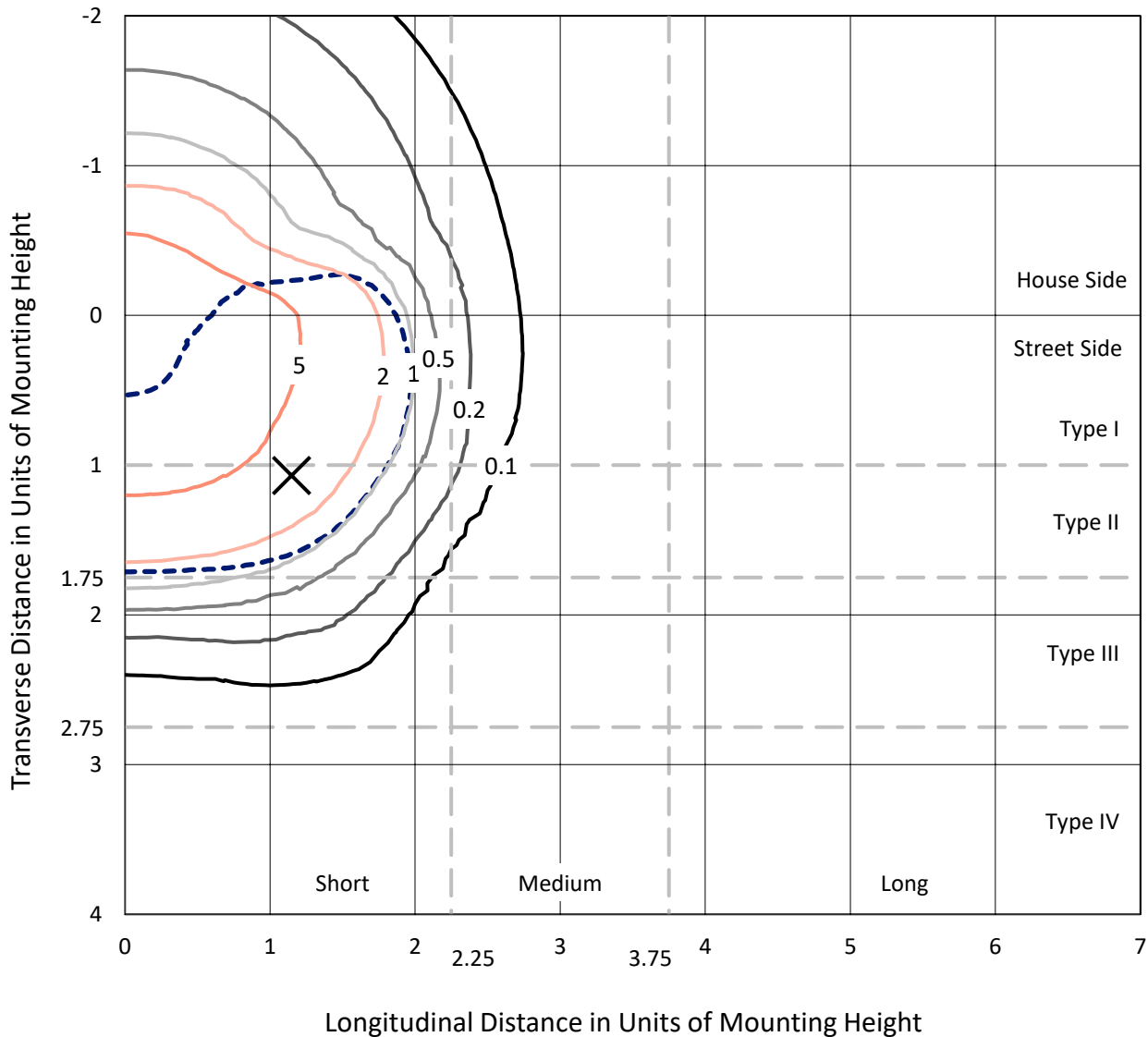
Lumens per Lamp: N/A  
Luminaire Lumens: 28143 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

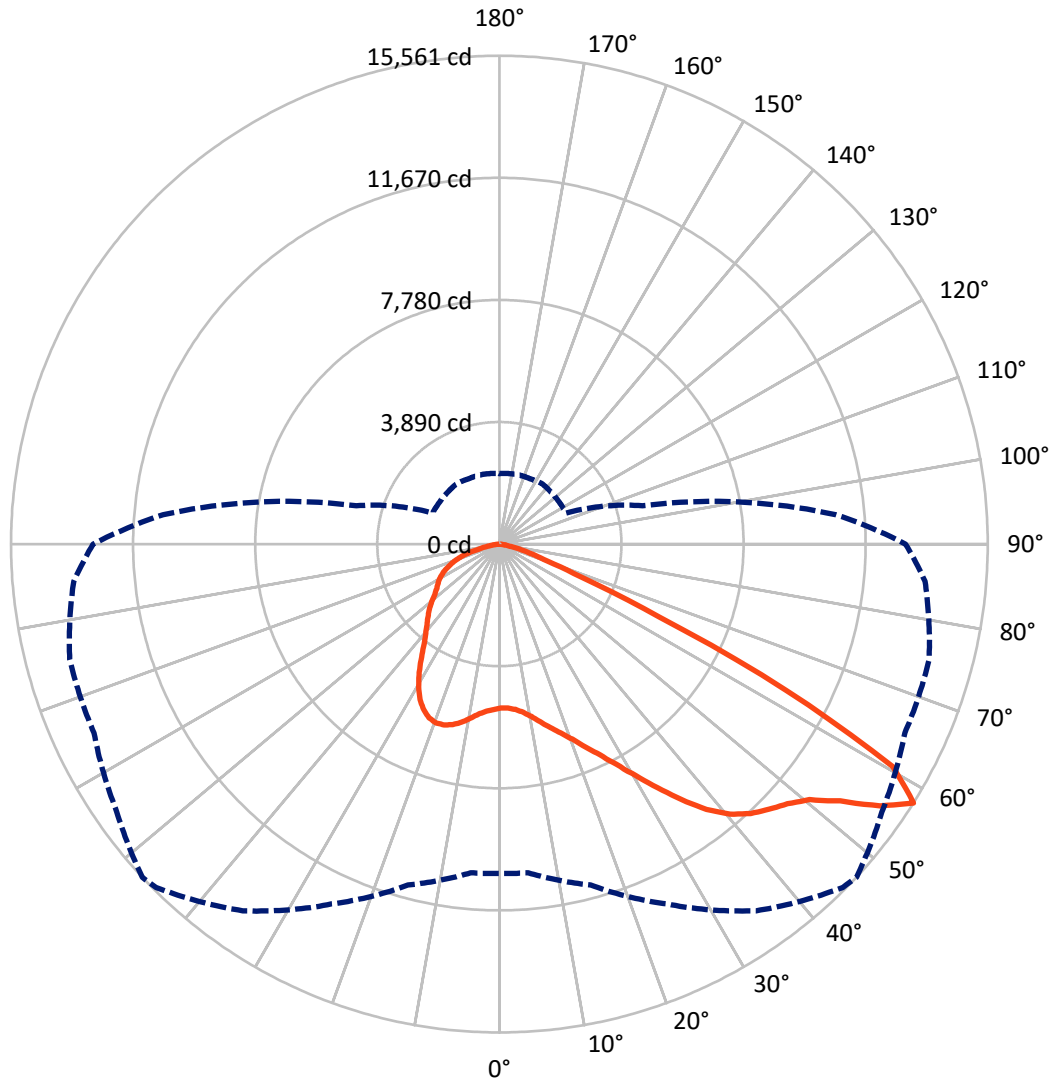
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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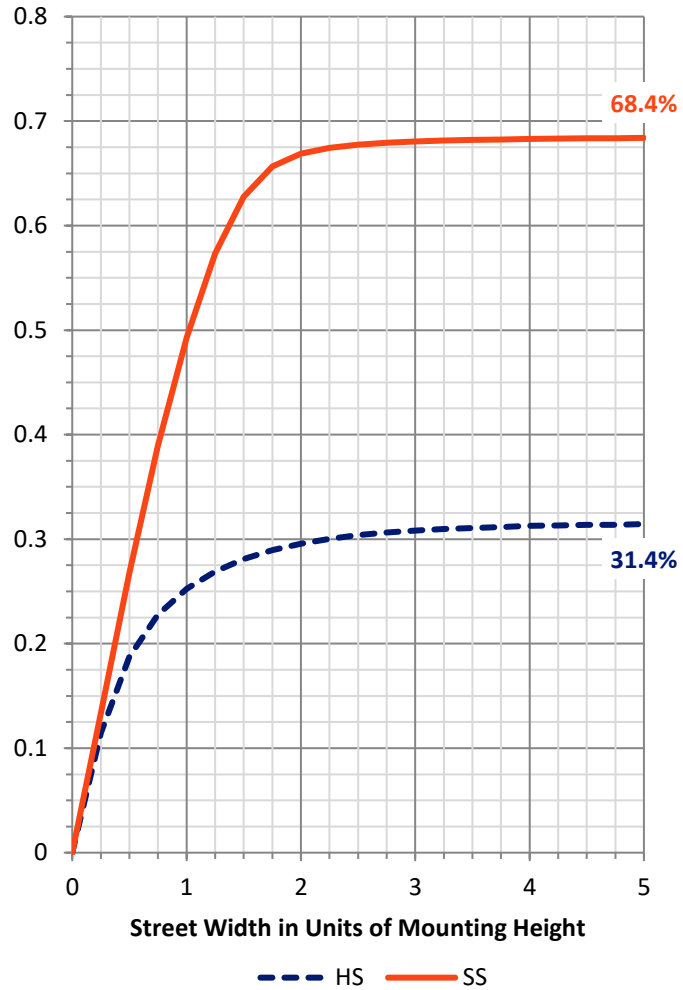
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8907.2	0.0	8907.2
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	19235.8	0.0	19235.8
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	28143.0	0.0	28143.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	514.8	1.8
10°-20°	1693.1	6.0
20°-30°	3048.6	10.8
30°-40°	4604.6	16.4
40°-50°	6200.7	22.0
50°-60°	7451.0	26.5
60°-70°	3628.8	12.9
70°-80°	894.0	3.2
80°-90°	107.4	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°	28143.0	100.0
0°-180°	28143.0	100.0

**Coefficient of Utilization**



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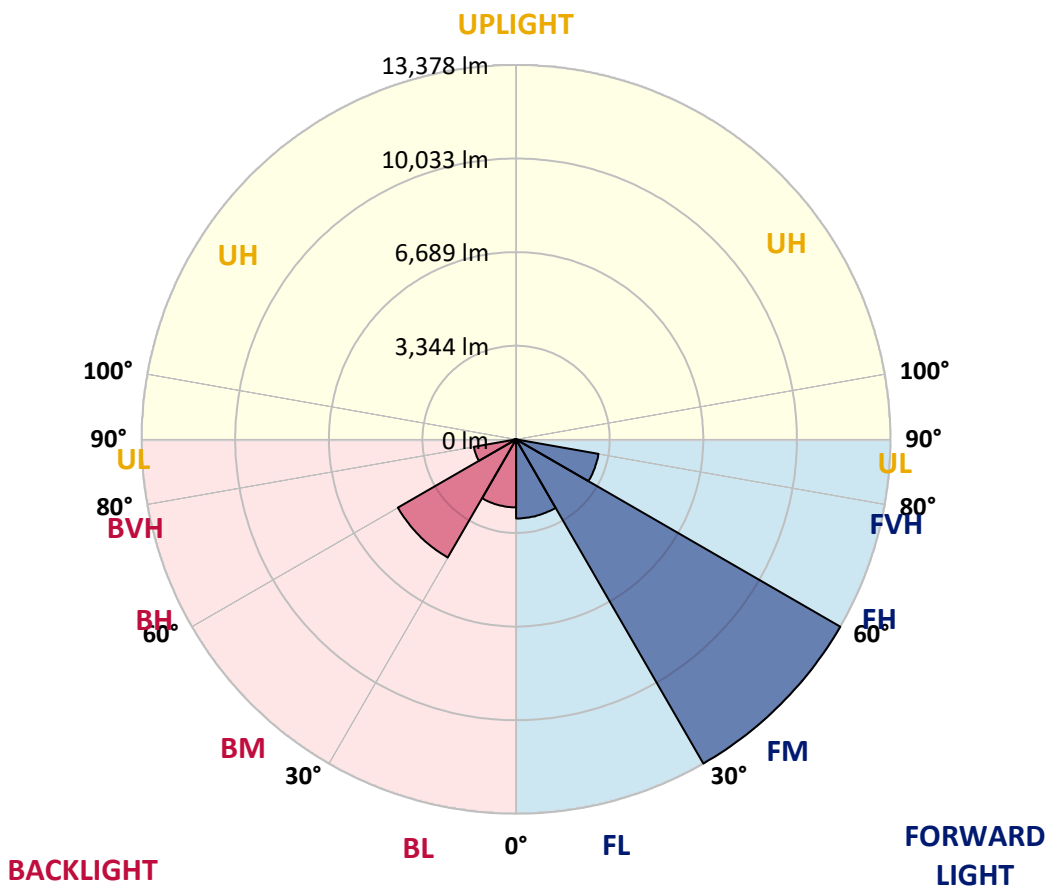
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2826.8	10.0			
FM (30°-60°)	13377.9	47.5			
FH (60°-80°)	2990.8	10.6			G2/5000
FVH (80°-90°)	40.4	0.1			G1/100
BL (0°-30°)	2429.7	8.6	B3/2500		
BM (30°-60°)	4878.4	17.3	B3/5000		
BH (60°-80°)	1532.0	5.4	B3/2500		G3/2500
BVH (80°-90°)	67.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2
2.5°	5209.7	5207.3	5207.3	5221.5	5221.5	5226.3	5233.3	5240.4	5242.8	5231.0	5205.0
5°	5266.4	5266.4	5266.4	5278.3	5278.3	5283.0	5292.4	5294.8	5292.4	5273.5	5247.5
7.5°	5356.3	5356.3	5358.6	5372.8	5384.6	5391.7	5408.3	5405.9	5398.8	5368.1	5335.0
10°	5502.8	5509.9	5517.0	5533.5	5557.2	5573.7	5585.5	5585.5	5576.1	5528.8	5486.3
12.5°	5710.8	5720.3	5727.4	5741.5	5760.5	5788.8	5814.8	5814.8	5803.0	5743.9	5680.1
15°	5954.3	5963.7	5961.4	5966.1	6001.6	6041.7	6063.0	6077.2	6081.9	5999.2	5899.9
17.5°	6233.2	6242.7	6233.2	6219.0	6223.8	6287.6	6325.4	6377.4	6408.1	6297.0	6138.7
20°	6486.1	6476.7	6476.7	6486.1	6500.3	6578.3	6635.0	6720.1	6758.0	6623.2	6377.4
22.5°	6753.2	6774.5	6765.1	6765.1	6821.8	6951.8	7020.3	7131.4	7171.6	6996.7	6665.8
25°	7098.3	7117.3	7112.5	7117.3	7183.4	7367.8	7436.4	7642.0	7682.2	7431.6	6984.9
27.5°	7476.5	7507.3	7521.5	7516.7	7623.1	7864.2	7949.3	8235.3	8308.6	7918.6	7325.3
30°	7968.2	8001.3	8013.1	8008.4	8133.7	8462.2	8559.1	8885.3	8989.3	8495.3	7757.8
32.5°	8537.9	8571.0	8606.4	8620.6	8781.3	9117.0	9256.4	9594.5	9743.4	9161.9	8280.2
35°	9102.8	9131.2	9199.7	9310.8	9530.6	9873.4	9996.3	10329.6	10473.8	9854.5	8911.3
37.5°	9726.8	9745.7	9804.8	9958.5	10275.2	10601.4	10724.3	11043.4	11060.0	10523.4	9625.2
40°	10410.0	10410.0	10398.1	10549.4	10880.3	11208.9	11315.3	11499.6	11402.7	11038.7	10320.1
42.5°	10989.1	10979.6	10989.1	11130.9	11376.7	11643.8	11736.0	11700.6	11577.6	11433.5	10948.9
45°	11511.5	11518.6	11603.6	11712.4	11840.0	11998.4	12052.8	11851.8	11740.7	11750.2	11452.4
47.5°	11866.0	11873.1	12071.7	12253.7	12331.7	12381.3	12357.7	12078.8	12022.0	12128.4	11840.0
50°	11913.3	11951.1	12293.9	12667.3	12861.2	12868.3	12802.1	12461.7	12445.1	12565.7	12048.0
52.5°	11922.8	11960.6	12388.4	13062.1	13565.6	13671.9	13596.3	13241.7	13069.2	12948.6	12303.3
55°	11887.3	11929.8	12402.6	13326.8	14291.2	14716.7	14723.8	14222.7	13671.9	13591.6	13031.4
57.5°	10495.0	10511.6	11244.4	12653.2	14262.9	15468.4	15560.6	14879.8	14251.0	14175.4	13615.2
60°	7311.1	7377.3	8173.8	10034.1	11981.8	14106.9	14404.7	14206.1	13785.4	13234.6	11681.7
62.5°	3661.4	3718.2	4517.1	6275.8	8263.7	9941.9	10261.0	10471.4	10570.7	9979.8	7954.0
65°	1576.6	1619.2	2115.6	3278.5	4677.9	5488.6	5599.7	5852.6	6471.9	5774.6	4285.5
67.5°	1054.2	1082.6	1335.5	1999.7	2756.1	2808.1	2791.6	2846.0	2980.7	2460.7	1935.9
70°	808.4	832.0	1002.2	1465.5	1980.8	1694.8	1605.0	1456.1	1581.3	1612.1	1569.5
72.5°	586.2	605.1	732.8	999.9	1241.0	1082.6	1068.4	1144.1	1314.2	1361.5	1335.5
75°	378.2	387.7	465.7	548.4	640.6	694.9	723.3	860.4	1033.0	1068.4	1037.7
77.5°	252.9	260.0	304.9	352.2	364.0	366.4	375.8	437.3	555.5	621.7	614.6
80°	132.4	132.4	148.9	148.9	170.2	203.3	212.7	252.9	307.3	340.4	342.7
82.5°	52.0	54.4	63.8	70.9	85.1	104.0	111.1	132.4	160.7	184.4	205.6
85°	21.3	23.6	26.0	30.7	37.8	47.3	49.6	56.7	75.6	94.5	106.4
87.5°	0.0	0.0	2.4	2.4	4.7	7.1	7.1	9.5	11.8	21.3	28.4
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°	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2	5219.2
2.5°	5235.7	5205.0	5235.7	5245.2	5271.2	5280.6	5264.1	5261.7	5261.7	5238.1	5231.0
5°	5271.2	5242.8	5273.5	5287.7	5325.5	5349.2	5353.9	5372.8	5384.6	5375.2	5372.8
7.5°	5358.6	5323.2	5356.3	5377.5	5427.2	5465.0	5481.5	5524.1	5554.8	5550.1	5547.7
10°	5512.3	5465.0	5502.8	5538.3	5592.6	5637.5	5639.9	5663.5	5694.3	5684.8	5680.1
12.5°	5689.5	5644.6	5687.2	5722.6	5786.5	5805.4	5774.6	5765.2	5769.9	5758.1	5748.6
15°	5907.0	5843.2	5881.0	5921.2	5956.6	5935.4	5869.2	5843.2	5840.8	5824.3	5814.8
17.5°	6124.5	6044.1	6072.5	6093.7	6077.2	6011.0	5928.3	5883.4	5862.1	5829.0	5819.6
20°	6339.6	6237.9	6233.2	6216.7	6141.0	6020.5	5909.4	5819.6	5765.2	5720.3	5703.7
22.5°	6585.4	6443.6	6372.7	6297.0	6131.6	5935.4	5767.5	5639.9	5552.4	5495.7	5476.8
25°	6850.1	6649.2	6502.7	6351.4	6037.0	5753.4	5519.4	5344.4	5240.4	5179.0	5157.7
27.5°	7112.5	6836.0	6616.1	6358.5	5847.9	5491.0	5176.6	4940.2	4836.2	4786.6	4770.0
30°	7467.1	7084.2	6750.9	6266.3	5599.7	5127.0	4734.6	4495.9	4427.3	4391.8	4377.7
32.5°	7876.0	7398.5	6930.5	6072.5	5283.0	4701.5	4287.8	4122.4	4075.1	4006.6	4004.2
35°	8414.9	7847.6	7100.7	5786.5	4883.5	4245.3	3945.1	3826.9	3741.8	3633.1	3623.6
37.5°	9043.7	8407.9	7192.9	5422.4	4417.8	3869.5	3689.8	3557.4	3420.3	3276.2	3257.2
40°	9693.7	9062.6	7200.0	4992.2	3961.6	3621.3	3470.0	3297.4	3127.2	2966.5	2945.2
42.5°	10376.9	9672.5	7074.7	4495.9	3588.2	3406.2	3252.5	3035.1	2843.6	2734.9	2723.0
45°	10986.7	10164.1	6791.1	3973.5	3311.6	3226.5	3030.3	2796.3	2694.7	2616.7	2600.1
47.5°	11466.6	10490.3	6408.1	3505.4	3087.1	3042.1	2786.9	2666.3	2588.3	2517.4	2500.8
50°	11702.9	10563.6	5909.4	3124.9	2879.0	2824.7	2649.8	2557.6	2505.6	2448.8	2434.7
52.5°	11996.0	10646.3	5479.2	2805.8	2675.8	2602.5	2536.3	2463.0	2425.2	2389.8	2377.9
55°	12669.7	10958.3	5252.3	2550.5	2481.9	2448.8	2439.4	2377.9	2366.1	2342.5	2321.2
57.5°	12943.9	10757.4	4715.7	2342.5	2328.3	2333.0	2356.7	2299.9	2288.1	2259.7	2245.6
60°	10410.0	8131.3	3193.4	2162.8	2200.7	2231.4	2255.0	2198.3	2181.7	2177.0	2158.1
62.5°	6670.5	5001.7	2229.0	1995.0	2051.7	2089.6	2103.7	2049.4	2037.6	2075.4	2077.7
65°	3472.3	2725.4	1808.3	1815.4	1862.6	1919.4	1947.7	1928.8	1924.1	1964.3	1966.6
67.5°	1772.8	1666.4	1576.6	1602.6	1640.4	1713.7	1779.9	1862.6	1891.0	1895.7	1898.1
70°	1510.4	1463.2	1418.2	1434.8	1475.0	1515.2	1579.0	1619.2	1571.9	1560.1	1555.3
72.5°	1285.9	1250.4	1229.1	1248.1	1269.3	1262.2	1243.3	1262.2	1269.3	1271.7	1274.1
75°	999.9	973.9	957.3	959.7	959.7	933.7	898.2	877.0	853.3	834.4	834.4
77.5°	612.2	616.9	633.5	631.1	628.8	619.3	583.8	564.9	508.2	491.7	491.7
80°	349.8	356.9	373.5	378.2	378.2	366.4	330.9	309.7	283.6	271.8	269.5
82.5°	212.7	222.2	231.6	236.4	238.7	224.6	193.8	177.3	163.1	151.3	151.3
85°	111.1	115.8	125.3	127.6	120.6	106.4	89.8	82.7	68.5	66.2	66.2
87.5°	30.7	33.1	37.8	30.7	28.4	21.3	11.8	9.5	4.7	2.4	2.4
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)