

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: P642986

Luminaire Tested: GWS-SA6E-722-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-722-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

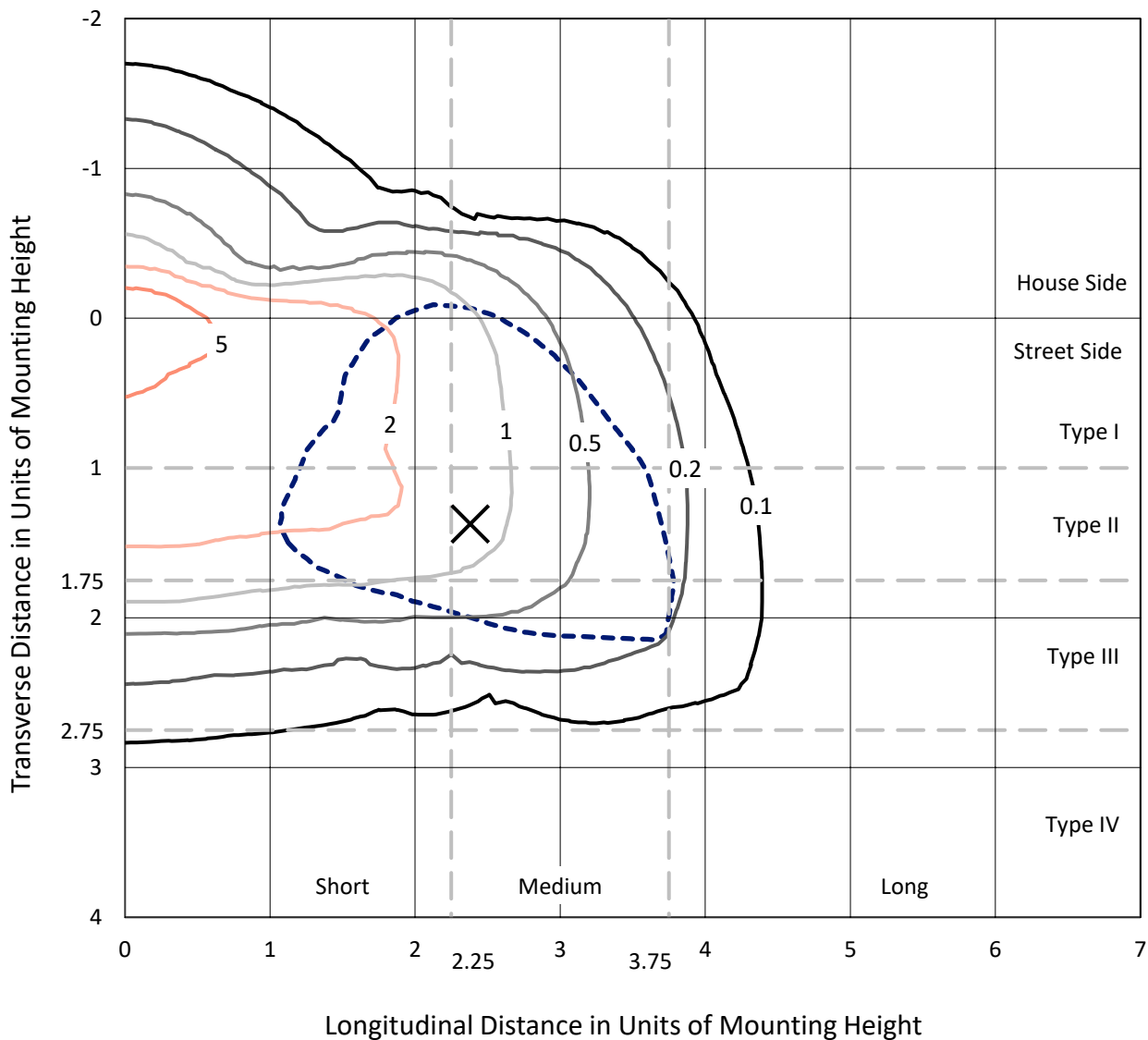
Lumens per Lamp: N/A  
Luminaire Lumens: 32307.9 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): 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

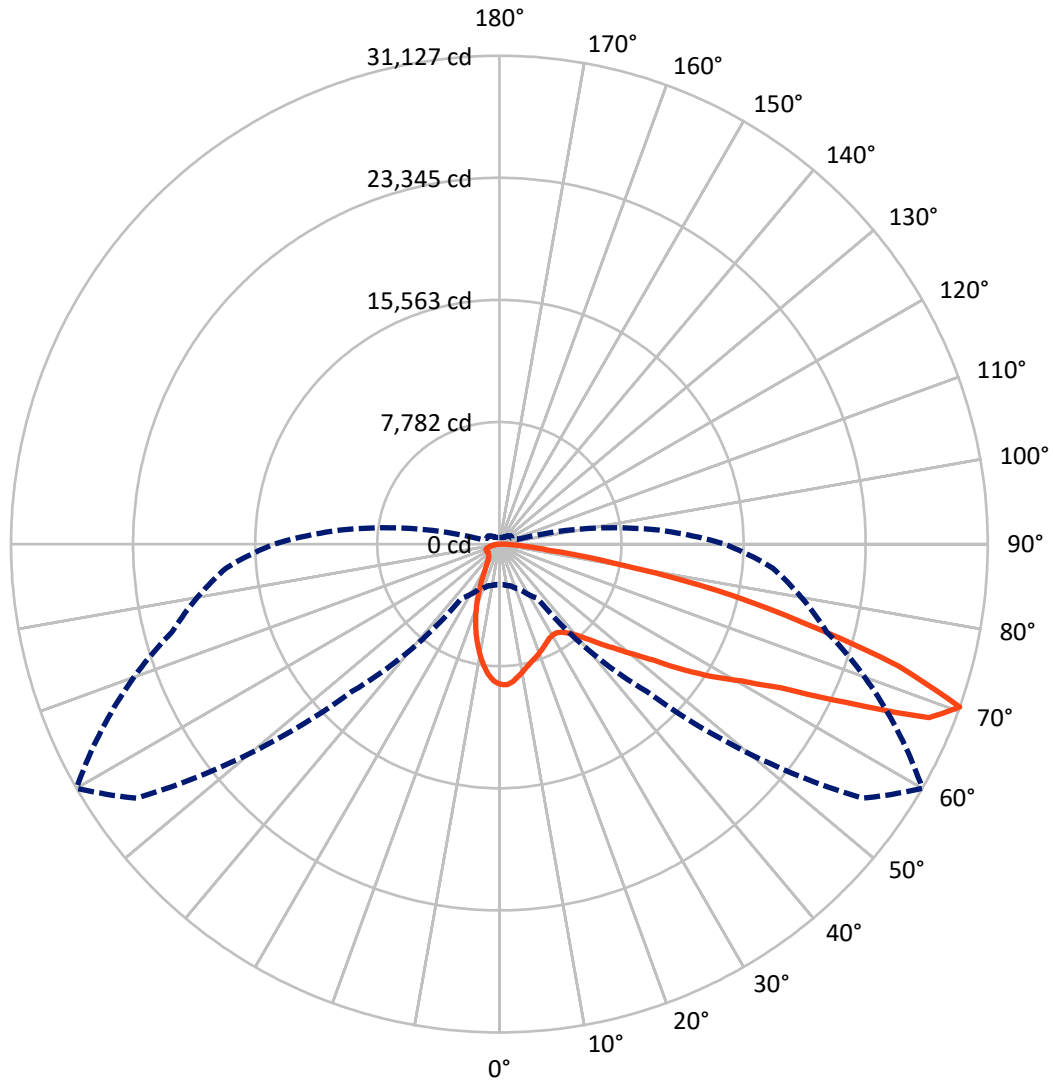
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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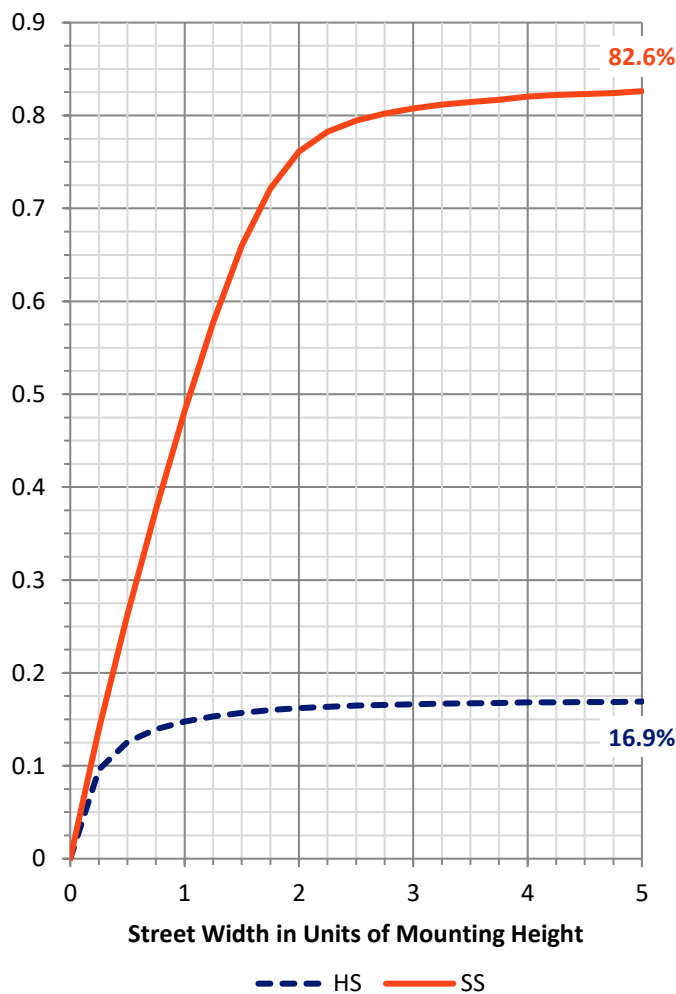
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5525.4	0.0	5525.4
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	26782.5	0.0	26782.5
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	32307.9	0.0	32307.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	770.6	2.4
10°-20°	1726.4	5.3
20°-30°	2210.9	6.8
30°-40°	2905.7	9.0
40°-50°	4215.7	13.0
50°-60°	6577.4	20.4
60°-70°	8611.1	26.7
70°-80°	4761.7	14.7
80°-90°	528.4	1.6
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°	32307.9	100.0
0°-180°	32307.9	100.0

**Coefficient of Utilization**



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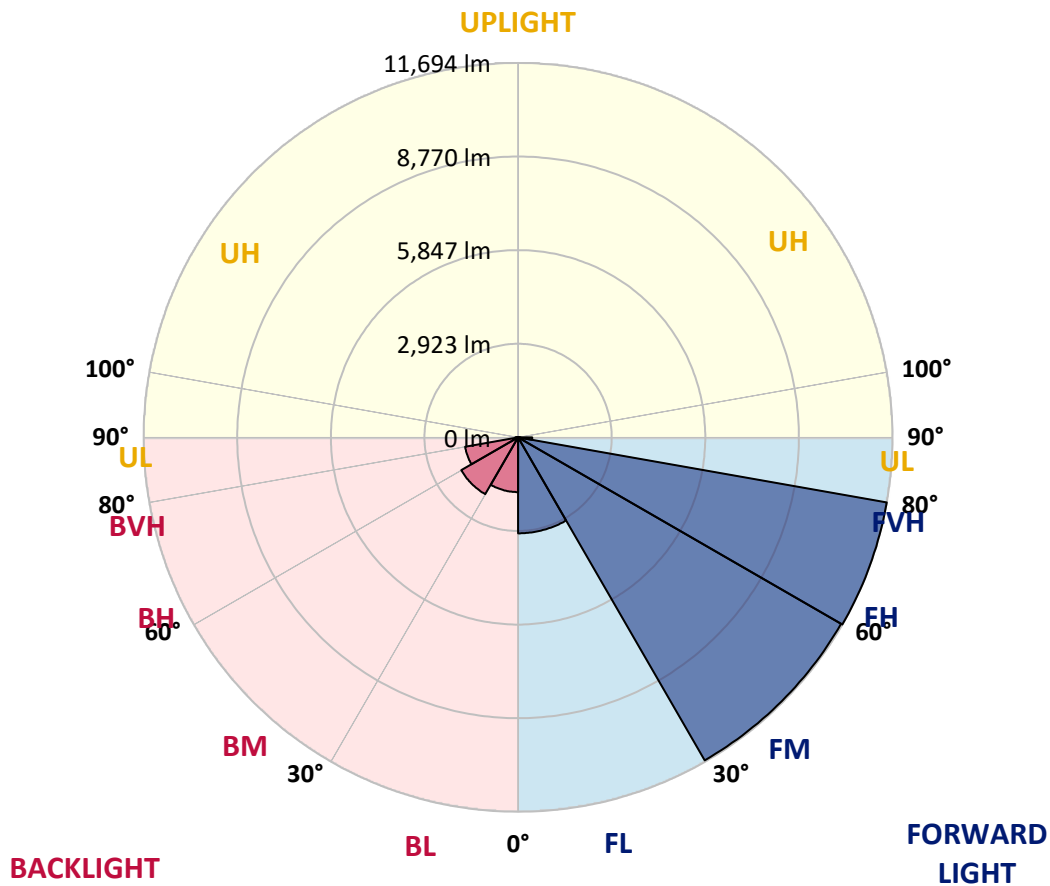
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2998.4	9.3			
FM (30°-60°)	11650.1	36.1			
FH (60°-80°)	11693.7	36.2			G4/12000
FVH (80°-90°)	440.3	1.4			G3/500
BL (0°-30°)	1709.5	5.3	B3/2500		
BM (30°-60°)	2048.6	6.3	B2/2500		
BH (60°-80°)	1679.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	88.1	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°	60°	65°	75°	85°
0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
2.5°	8814.7	8824.2	8850.2	8888.0	8925.8	8944.7	8992.0	8977.8	8968.4	8949.5	8925.8
5°	8424.7	8443.6	8467.2	8540.5	8623.3	8689.4	8795.8	8807.6	8812.4	8821.8	8784.0
7.5°	7928.3	7933.0	7989.8	8086.7	8195.4	8308.9	8486.2	8535.8	8578.3	8625.6	8594.9
10°	7379.9	7391.7	7434.3	7573.7	7760.5	7928.3	8167.0	8249.8	8339.6	8443.6	8401.1
12.5°	6930.8	6933.1	7001.7	7150.6	7353.9	7580.8	7878.7	7977.9	8096.1	8259.2	8221.4
15°	6573.8	6573.8	6637.6	6765.3	6999.3	7266.4	7621.0	7748.6	7909.4	8129.2	8063.0
17.5°	6290.2	6292.5	6332.7	6467.4	6675.5	6970.9	7391.7	7564.3	7741.6	8032.3	7933.0
20°	6141.2	6129.4	6136.5	6219.2	6396.5	6682.6	7162.4	7363.3	7602.1	7966.1	7814.8
22.5°	6134.1	6112.9	6082.1	6089.2	6193.2	6429.6	6916.6	7160.0	7460.3	7911.7	7694.3
25°	6254.7	6231.1	6176.7	6115.2	6105.8	6247.6	6684.9	6961.5	7313.7	7888.1	7578.4
27.5°	6458.0	6441.4	6370.5	6278.3	6181.4	6176.7	6510.0	6798.4	7207.3	7911.7	7495.7
30°	6727.5	6699.1	6654.2	6536.0	6389.4	6238.2	6441.4	6710.9	7136.4	7987.4	7460.3
32.5°	7032.4	7015.9	6973.3	6855.1	6699.1	6458.0	6495.8	6729.8	7136.4	8119.8	7467.3
35°	7356.2	7353.9	7353.9	7275.9	7103.3	6803.1	6710.9	6890.6	7245.1	8332.5	7543.0
37.5°	7670.6	7668.3	7743.9	7772.3	7576.1	7252.2	7077.3	7212.1	7483.9	8646.9	7729.7
40°	7925.9	7935.4	8100.9	8242.7	8133.9	7833.7	7587.9	7656.5	7871.6	9093.7	8055.9
42.5°	8183.6	8209.6	8457.8	8708.4	8750.9	8490.9	8242.7	8282.9	8427.1	9684.6	8542.9
45°	8464.9	8476.7	8824.2	9174.0	9379.7	9226.0	9022.7	9077.1	9110.2	10415.0	9268.6
47.5°	8736.7	8767.5	9216.6	9696.4	10086.5	10072.3	9958.8	9942.3	9949.4	11303.8	10126.7
50°	9107.8	9152.8	9679.9	10259.0	10831.1	11093.5	11126.6	11001.3	10949.3	12291.9	11195.1
52.5°	9812.3	9812.3	10285.0	10854.7	11623.0	12273.0	12495.2	12289.6	12124.1	13336.7	12329.7
55°	10694.0	10731.8	11107.6	11568.6	12542.5	13514.0	14265.7	14038.8	13570.8	14473.7	13518.8
57.5°	11086.4	11133.7	11729.3	12445.6	13745.7	14925.2	15967.7	15887.3	15204.2	15655.7	14752.7
60°	10377.2	10476.5	11296.8	12497.6	14835.4	17201.6	17936.8	17702.7	16726.5	16896.7	16090.6
62.5°	8656.4	8765.1	9675.2	11351.1	14684.1	19662.4	21040.5	20177.7	18627.0	18463.9	17872.9
65°	5165.0	5160.2	6254.7	8476.7	12819.1	20345.5	25952.5	24342.7	21562.9	20615.0	19707.3
67.5°	3283.4	3276.3	3505.6	4491.3	8531.1	18671.9	29110.6	29529.0	25550.7	22196.4	19858.6
70°	2590.8	2588.4	2753.9	3203.0	4219.4	13287.1	28231.3	31126.9	27959.4	21593.6	17485.3
72.5°	1888.7	1893.4	2148.7	2682.9	3255.0	6670.7	22860.6	26633.3	25716.1	19061.9	14194.8
75°	1356.8	1363.9	1517.6	2054.2	3002.1	3647.4	15201.8	20026.4	19565.4	15279.8	9765.0
77.5°	862.8	872.3	1007.0	1439.6	2425.3	2945.3	9216.6	14138.1	13017.6	8609.1	3472.5
80°	527.1	557.9	671.3	1073.2	1938.3	2210.2	4607.1	7448.4	6519.4	2361.5	1167.7
82.5°	271.8	295.5	404.2	664.2	1335.6	1940.7	2607.3	3129.7	2018.7	988.1	621.7
85°	85.1	99.3	141.8	269.5	635.9	1203.2	1725.6	1555.4	926.6	465.7	288.4
87.5°	21.3	21.3	23.6	23.6	26.0	54.4	333.3	352.2	245.8	146.6	118.2
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°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
2.5°	8878.6	8821.8	8798.2	8795.8	8736.7	8651.6	8594.9	8554.7	8531.1	8526.3	8526.3
5°	8720.2	8646.9	8550.0	8476.7	8318.3	8157.6	8022.8	7947.2	7859.7	7847.9	7845.6
7.5°	8509.8	8403.4	8219.0	8013.4	7736.8	7469.7	7242.8	7089.1	6935.5	6907.1	6897.7
10°	8282.9	8138.7	7824.3	7462.6	7048.9	6649.5	6302.0	6030.1	5850.5	5722.8	5699.2
12.5°	8058.3	7866.8	7405.9	6866.9	6299.6	5753.6	5231.2	4786.8	4465.3	4278.5	4245.4
15°	7847.9	7580.8	6949.7	6261.8	5524.3	4777.3	4037.4	3460.7	3009.2	2848.4	2810.6
17.5°	7656.5	7323.2	6507.6	5635.4	4715.8	3739.6	2898.1	2385.1	2120.4	2040.0	2021.1
20°	7465.0	7058.4	6058.5	4975.9	3857.8	2763.3	2118.0	1876.9	1777.6	1746.9	1737.4
22.5°	7259.3	6767.7	5569.2	4325.8	2990.2	2068.4	1732.7	1626.3	1595.6	1598.0	1595.6
25°	7053.7	6472.2	5056.2	3619.0	2226.7	1678.3	1512.9	1472.7	1479.8	1501.0	1505.8
27.5°	6883.5	6209.8	4552.7	2843.7	1739.8	1444.3	1366.3	1363.9	1389.9	1418.3	1423.0
30°	6760.6	5975.8	4056.3	2186.5	1432.5	1283.6	1252.8	1267.0	1297.7	1319.0	1326.1
32.5°	6673.1	5774.8	3526.8	1718.5	1255.2	1170.1	1155.9	1170.1	1189.0	1210.3	1215.0
35°	6642.4	5628.3	3006.8	1401.8	1134.6	1087.4	1077.9	1085.0	1094.5	1106.3	1111.0
37.5°	6710.9	5555.0	2463.1	1219.7	1061.4	1033.0	1018.8	1014.1	1016.4	1021.2	1023.5
40°	6914.2	5588.1	2018.7	1113.4	1014.1	988.1	964.4	955.0	952.6	957.4	955.0
42.5°	7264.1	5727.6	1697.2	1051.9	976.3	938.4	912.4	903.0	903.0	914.8	914.8
45°	7777.0	6001.8	1465.6	1007.0	943.2	895.9	867.5	862.8	872.3	891.2	893.5
47.5°	8528.7	6403.6	1326.1	973.9	912.4	858.1	829.7	827.3	846.3	877.0	879.3
50°	9419.9	6982.8	1250.5	950.3	891.2	827.3	799.0	801.3	822.6	855.7	862.8
52.5°	10493.1	7772.3	1255.2	940.8	879.3	808.4	780.1	775.3	796.6	829.7	836.8
55°	11601.7	8732.0	1347.4	943.2	862.8	799.0	761.2	744.6	763.5	787.2	789.5
57.5°	12821.4	9814.6	1576.7	938.4	841.5	789.5	744.6	706.8	718.6	732.8	739.9
60°	14197.2	11088.7	2070.7	947.9	832.1	768.2	711.5	661.9	659.5	669.0	671.3
62.5°	16036.2	12821.4	2626.2	964.4	853.3	742.2	661.9	609.9	600.4	605.1	607.5
65°	17442.7	13648.8	2451.3	950.3	898.3	723.3	614.6	560.2	541.3	536.6	536.6
67.5°	16870.7	12554.3	1706.7	912.4	919.5	725.7	576.8	508.2	484.6	472.8	470.4
70°	14355.6	10197.6	1186.6	874.6	895.9	721.0	536.6	465.7	434.9	418.4	416.0
72.5°	11341.7	7786.5	959.7	799.0	813.2	650.1	477.5	418.4	392.4	371.1	371.1
75°	7299.5	4751.3	801.3	711.5	664.2	505.9	413.7	373.5	347.5	326.2	326.2
77.5°	2456.0	1763.4	621.7	602.8	496.4	380.6	347.5	321.5	300.2	281.3	278.9
80°	997.5	836.8	456.2	456.2	347.5	290.8	271.8	260.0	245.8	222.2	222.2
82.5°	579.1	508.2	319.1	276.6	231.7	200.9	189.1	177.3	177.3	160.7	160.7
85°	278.9	281.3	191.5	170.2	132.4	115.8	111.1	104.0	101.6	92.2	89.8
87.5°	151.3	153.6	96.9	75.6	52.0	44.9	37.8	35.5	33.1	30.7	30.7
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)