

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: P642982

Luminaire Tested: GWS-SA6E-722-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642982  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-722-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

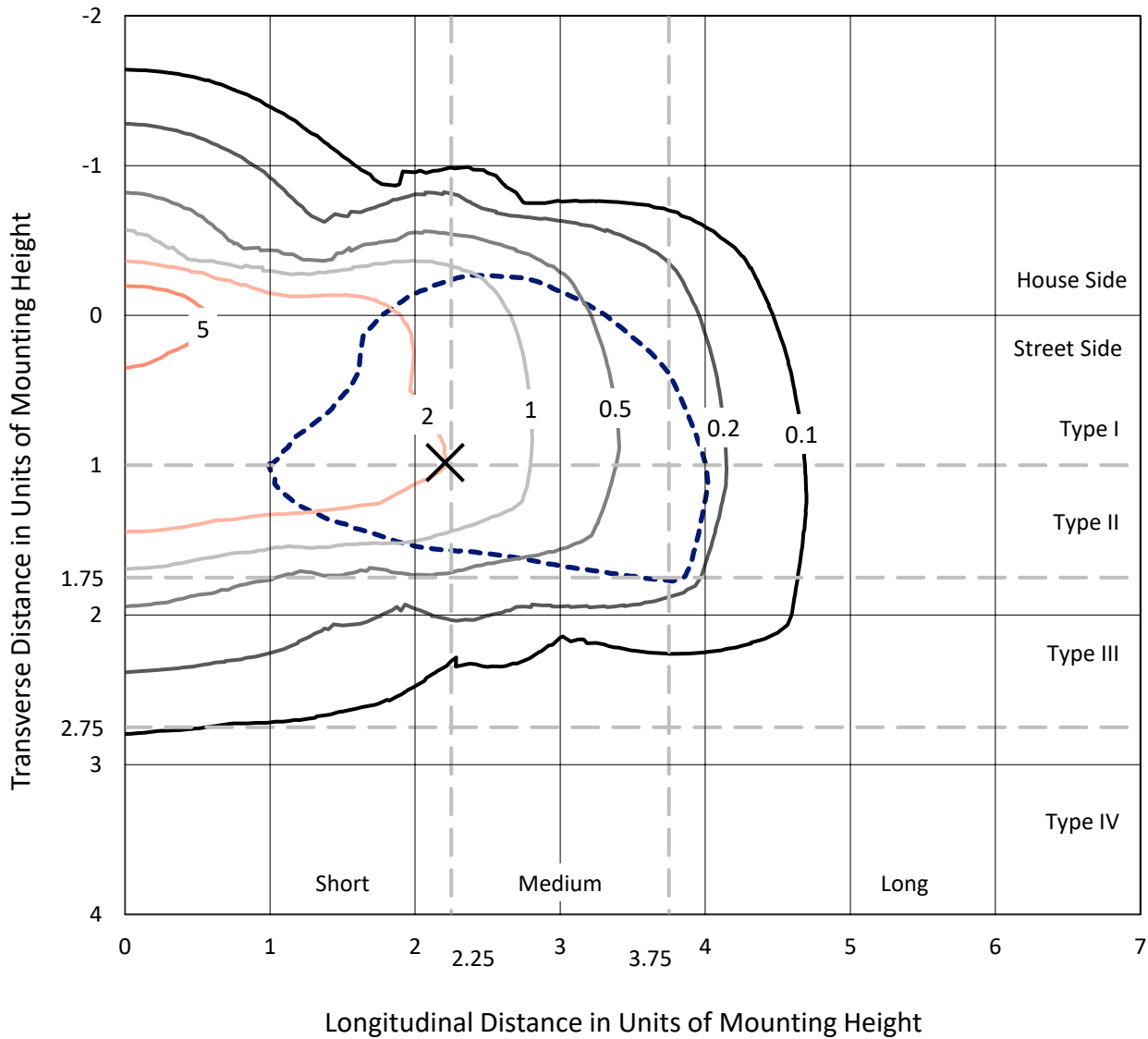
Lumens per Lamp: N/A  
Luminaire Lumens: 32402.5 lumens  
Efficiency: N/A  
Efficacy: 100.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

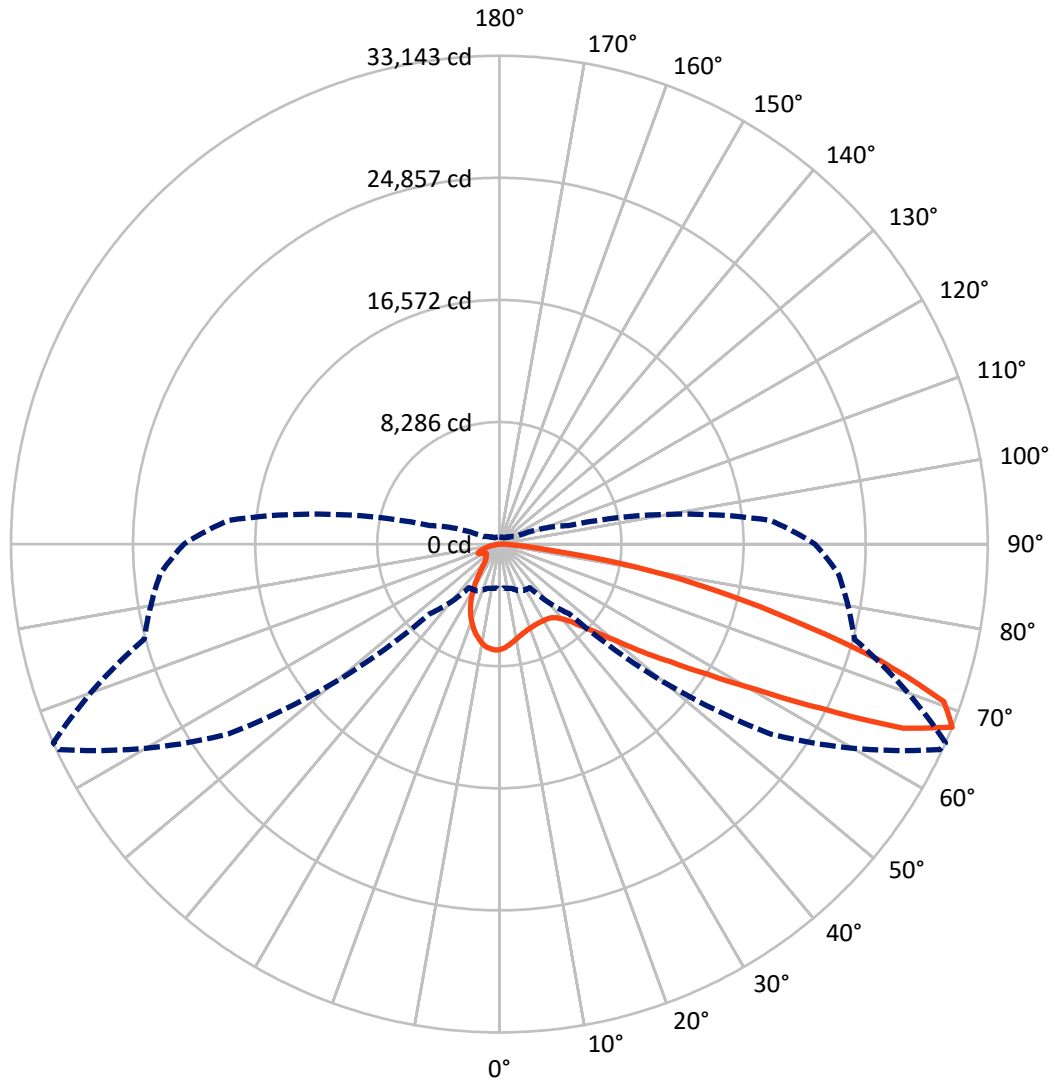
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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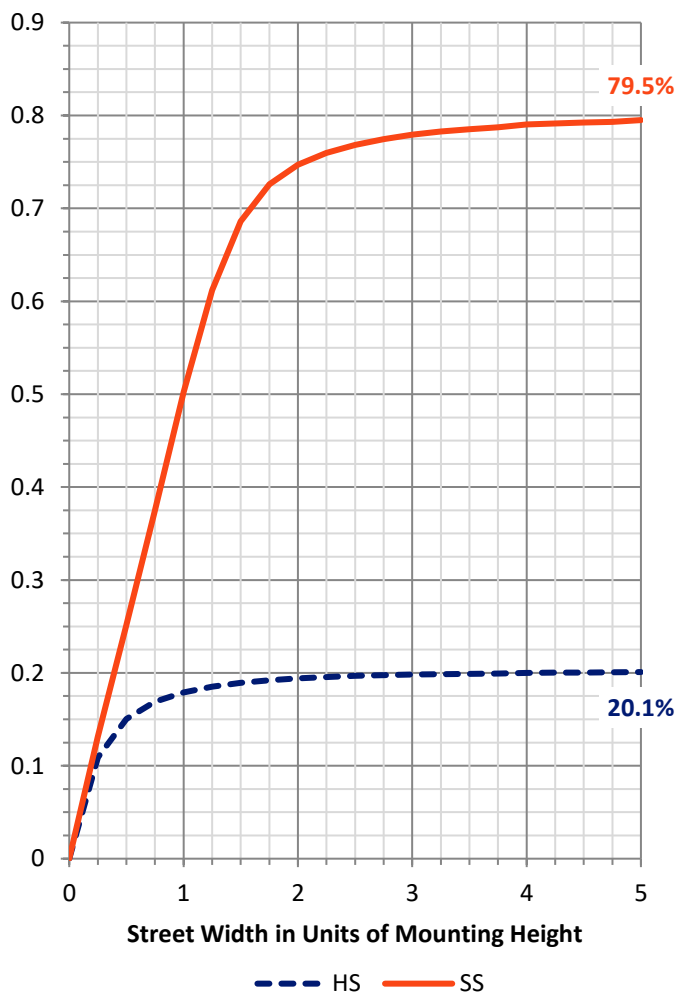
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6575.2	0.0	6575.2
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	25827.3	0.0	25827.3
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	32402.5	0.0	32402.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	628.4	1.9
10°-20°	1544.3	4.8
20°-30°	2122.7	6.6
30°-40°	2902.1	9.0
40°-50°	4397.5	13.6
50°-60°	6836.0	21.1
60°-70°	8322.7	25.7
70°-80°	5069.8	15.6
80°-90°	579.1	1.8
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°	32402.5	100.0
0°-180°	32402.5	100.0

**Coefficient of Utilization**



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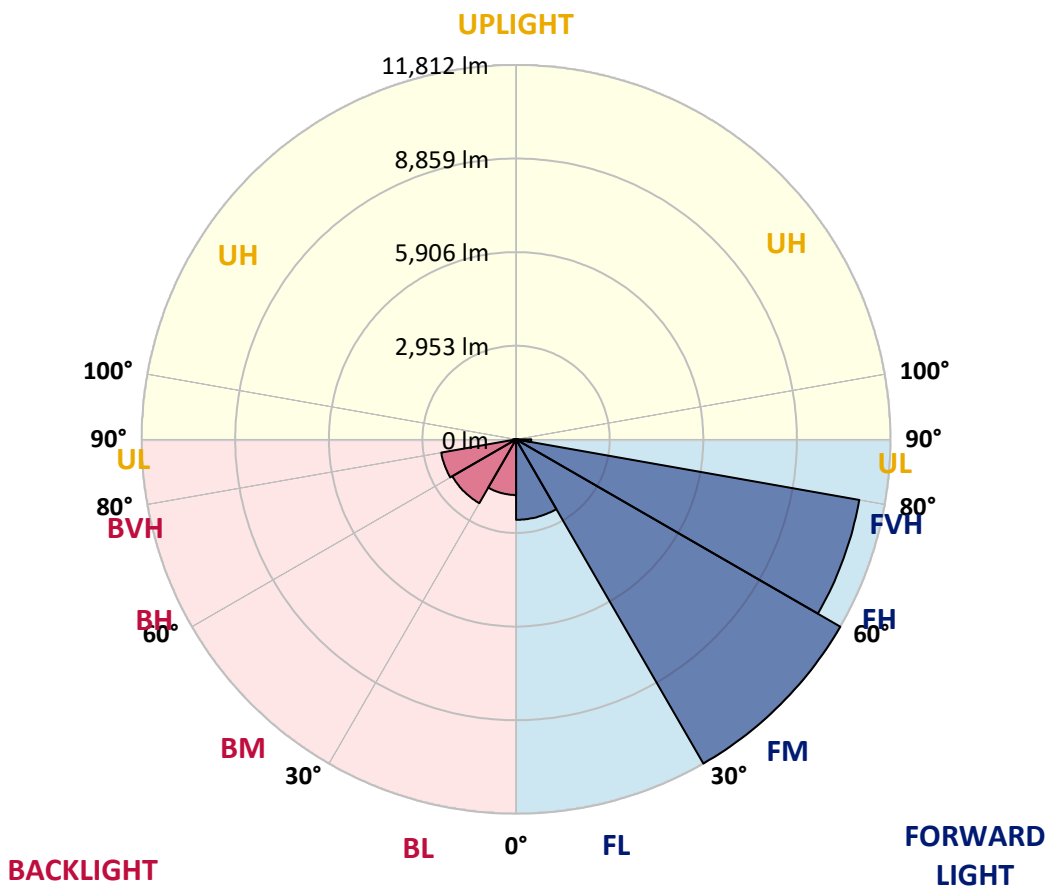
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2538.9	7.8			
FM (30°-60°)	11812.0	36.5			
FH (60°-80°)	10995.0	33.9			G4/12000
FVH (80°-90°)	481.5	1.5			G3/500
BL (0°-30°)	1756.5	5.4	B3/2500		
BM (30°-60°)	2323.6	7.2	B2/2500		
BH (60°-80°)	2397.4	7.4	B3/2500		G3/2500
BVH (80°-90°)	97.6	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0
2.5°	6706.2	6729.8	6715.6	6805.5	6810.2	6923.6	6987.5	7041.8	7046.6	7117.5	7164.8
5°	6247.6	6261.8	6261.8	6346.9	6403.6	6554.9	6701.5	6857.5	6869.3	7039.5	7169.5
7.5°	5876.5	5890.7	5881.2	5994.7	6067.9	6235.8	6422.5	6661.3	6684.9	6959.1	7186.0
10°	5585.7	5581.0	5604.6	5708.6	5803.2	6004.1	6212.1	6484.0	6519.4	6866.9	7204.9
12.5°	5387.2	5391.9	5406.1	5514.8	5616.5	5815.0	6030.1	6325.6	6363.4	6760.5	7195.5
15°	5292.6	5283.2	5295.0	5394.3	5491.2	5666.1	5888.3	6193.2	6231.0	6666.0	7197.9
17.5°	5271.3	5264.2	5261.9	5332.8	5406.1	5569.2	5781.9	6091.6	6131.8	6604.5	7212.0
20°	5337.5	5328.1	5302.1	5332.8	5363.5	5500.6	5706.3	6018.3	6063.2	6564.3	7240.4
22.5°	5519.5	5503.0	5462.8	5425.0	5384.8	5467.5	5659.0	5963.9	6008.8	6538.3	7268.8
25°	5796.1	5781.9	5739.4	5654.3	5507.7	5493.5	5649.5	5940.3	5985.2	6519.4	7280.6
27.5°	6176.7	6155.4	6112.9	5989.9	5751.2	5590.5	5685.0	5937.9	5980.5	6498.2	7268.8
30°	6628.2	6614.0	6590.4	6441.4	6122.3	5796.1	5765.4	5956.8	5989.9	6486.3	7245.1
32.5°	7086.8	7072.6	7091.5	7020.6	6628.2	6136.5	5940.3	6008.8	6032.5	6484.0	7223.9
35°	7491.0	7507.5	7644.6	7656.4	7271.1	6597.4	6216.9	6129.4	6134.1	6531.3	7233.3
37.5°	7914.1	7977.9	8157.6	8311.2	7989.7	7207.3	6628.2	6356.3	6351.6	6651.8	7292.4
40°	8474.3	8502.7	8732.0	9020.4	8819.4	8044.1	7212.0	6727.5	6694.4	6897.6	7450.8
42.5°	9020.4	9088.9	9455.3	9786.2	9720.1	8987.3	7947.2	7283.0	7223.9	7332.6	7777.0
45°	9715.3	9781.5	10192.8	10618.3	10738.9	10053.4	8888.0	8072.5	8013.4	7987.4	8375.0
47.5°	10410.3	10478.8	10847.6	11462.2	11885.3	11386.6	10112.5	9114.9	9018.0	8916.4	9278.0
50°	10878.3	10958.7	11310.9	12048.4	13041.2	13050.7	11563.8	10481.2	10358.3	10197.6	10549.8
52.5°	10861.8	10913.8	11249.5	12100.4	13873.3	14963.0	13506.9	12221.0	12121.7	11771.9	12079.2
55°	10008.4	10086.5	10424.5	11488.2	13963.1	16776.1	16362.4	14272.8	14095.5	13469.1	13807.1
57.5°	8294.7	8360.9	8701.2	10013.2	13166.5	17705.1	19988.5	16887.2	16643.7	15317.6	15707.6
60°	6261.8	6181.4	6342.1	7491.0	11261.3	17728.7	23189.1	20432.9	20026.3	17293.8	17620.0
62.5°	4699.3	4618.9	4654.4	4978.2	7635.2	16296.2	25014.0	25283.5	24612.2	19525.2	19461.4
65°	3713.6	3668.7	3770.3	3992.5	4451.1	12410.1	25028.2	30528.8	30105.7	22111.2	21350.1
67.5°	3025.7	2997.3	3101.3	3512.6	3609.6	6668.4	22442.2	32977.8	33143.2	24943.1	23101.7
70°	2437.1	2394.6	2557.7	3099.0	3356.6	4035.1	16076.4	31729.7	31996.8	26630.9	22607.6
72.5°	1683.0	1685.4	1768.1	2510.4	3240.8	3484.3	9093.6	26420.5	26999.6	25101.5	19875.1
75°	1134.6	1144.1	1167.7	1657.0	2985.5	3380.3	4845.8	20002.7	20411.6	20747.3	16428.6
77.5°	685.5	690.2	744.6	1002.3	2058.9	3155.7	3283.4	14499.7	14821.2	13677.1	10183.4
80°	397.1	413.7	463.3	671.3	1389.9	2370.9	2541.1	8890.4	9254.4	6079.8	3236.1
82.5°	174.9	186.7	252.9	390.0	810.8	2016.3	1983.3	3512.6	3460.6	1694.9	1122.8
85°	30.7	37.8	54.4	122.9	297.8	1063.7	1538.9	1550.7	1458.5	643.0	465.7
87.5°	0.0	0.0	0.0	0.0	0.0	7.1	231.7	416.0	413.7	182.0	160.7
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°	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0	7160.0
2.5°	7195.5	7131.7	7188.4	7195.5	7183.7	7174.2	7103.3	7041.8	7034.7	6968.6	6968.6
5°	7221.5	7162.4	7190.8	7136.4	7051.3	6963.8	6812.5	6708.5	6661.3	6576.2	6576.2
7.5°	7256.9	7195.5	7162.4	7027.7	6829.1	6637.6	6394.2	6190.9	6108.1	5987.6	5982.8
10°	7290.0	7212.0	7098.6	6836.2	6519.4	6214.5	5859.9	5571.5	5375.3	5231.1	5231.1
12.5°	7287.7	7186.0	6961.5	6573.8	6136.5	5694.5	5221.7	4786.8	4526.7	4302.2	4288.0
15°	7283.0	7143.5	6786.5	6268.9	5689.7	5077.5	4434.5	3867.2	3481.9	3262.1	3243.2
17.5°	7278.2	7089.1	6590.4	5921.4	5146.1	4311.6	3463.0	2848.4	2526.9	2392.2	2396.9
20°	7278.2	7027.7	6380.0	5521.9	4519.6	3394.5	2541.1	2094.4	2014.0	2021.1	2028.2
22.5°	7256.9	6952.0	6146.0	5087.0	3822.3	2496.2	1874.5	1723.2	1765.8	1832.0	1841.4
25°	7207.3	6826.7	5874.1	4604.7	2992.6	1817.8	1529.4	1501.0	1579.0	1661.8	1685.4
27.5°	7129.3	6682.5	5569.2	4039.8	2203.1	1460.8	1345.0	1342.7	1404.1	1465.6	1486.8
30°	7046.6	6521.8	5247.7	3411.0	1595.6	1271.7	1226.8	1226.8	1257.6	1295.4	1290.6
32.5°	6949.7	6358.7	4902.6	2756.2	1300.1	1165.4	1151.2	1144.1	1148.8	1163.0	1163.0
35°	6866.9	6214.5	4548.0	2063.6	1165.4	1106.3	1092.1	1075.5	1068.4	1059.0	1063.7
37.5°	6836.2	6101.0	4181.6	1555.4	1099.2	1063.7	1040.1	1016.4	999.9	995.2	992.8
40°	6885.8	6053.8	3815.2	1281.2	1051.9	1018.8	992.8	962.1	947.9	947.9	947.9
42.5°	7079.7	6089.2	3441.7	1158.3	1018.8	981.0	943.2	914.8	910.1	914.8	917.2
45°	7434.2	6226.3	3054.1	1096.8	990.4	943.2	898.3	877.0	877.0	881.7	881.7
47.5°	8067.7	6585.6	2671.1	1059.0	962.1	912.4	865.2	843.9	841.5	846.3	846.3
50°	9164.6	7233.3	2326.0	1033.0	940.8	888.8	841.5	813.2	806.1	803.7	803.7
52.5°	10547.4	8356.1	2106.2	1014.1	914.8	862.8	815.5	777.7	763.5	756.4	756.4
55°	12218.6	9852.4	2106.2	999.9	881.7	832.1	777.7	739.9	718.6	709.1	709.1
57.5°	14112.0	11594.6	2470.2	988.1	855.7	796.6	737.5	699.7	676.1	661.9	661.9
60°	16038.6	13436.0	3370.8	971.5	832.1	751.7	692.6	657.1	626.4	609.9	607.5
62.5°	18036.0	15464.2	4557.5	981.0	815.5	709.1	645.3	605.1	579.1	562.6	560.2
65°	19865.6	17395.4	5595.2	1054.3	817.9	671.3	591.0	555.5	534.2	513.0	510.6
67.5°	21418.6	18461.5	4867.1	1203.2	867.5	626.4	536.6	501.1	482.2	468.0	465.7
70°	20331.3	16835.2	2761.0	1295.4	936.1	579.1	475.1	451.5	432.6	423.1	420.8
72.5°	17385.9	14253.9	1846.1	1144.1	853.3	517.7	418.4	399.5	385.3	373.5	371.1
75°	14083.7	11303.8	1411.2	938.4	664.2	420.8	359.3	345.1	330.9	319.1	316.8
77.5°	8332.5	6531.3	1040.1	742.2	468.0	328.6	297.8	286.0	271.8	262.4	260.0
80°	2659.3	2269.3	659.5	510.6	309.7	252.9	229.3	219.8	205.7	193.8	191.5
82.5°	1014.1	877.0	349.8	260.0	205.7	172.6	153.6	144.2	134.7	122.9	120.6
85°	449.1	420.8	193.8	139.5	111.1	85.1	75.6	70.9	59.1	49.6	47.3
87.5°	158.4	158.4	82.7	40.2	23.6	11.8	7.1	2.4	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)