

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: P642979

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

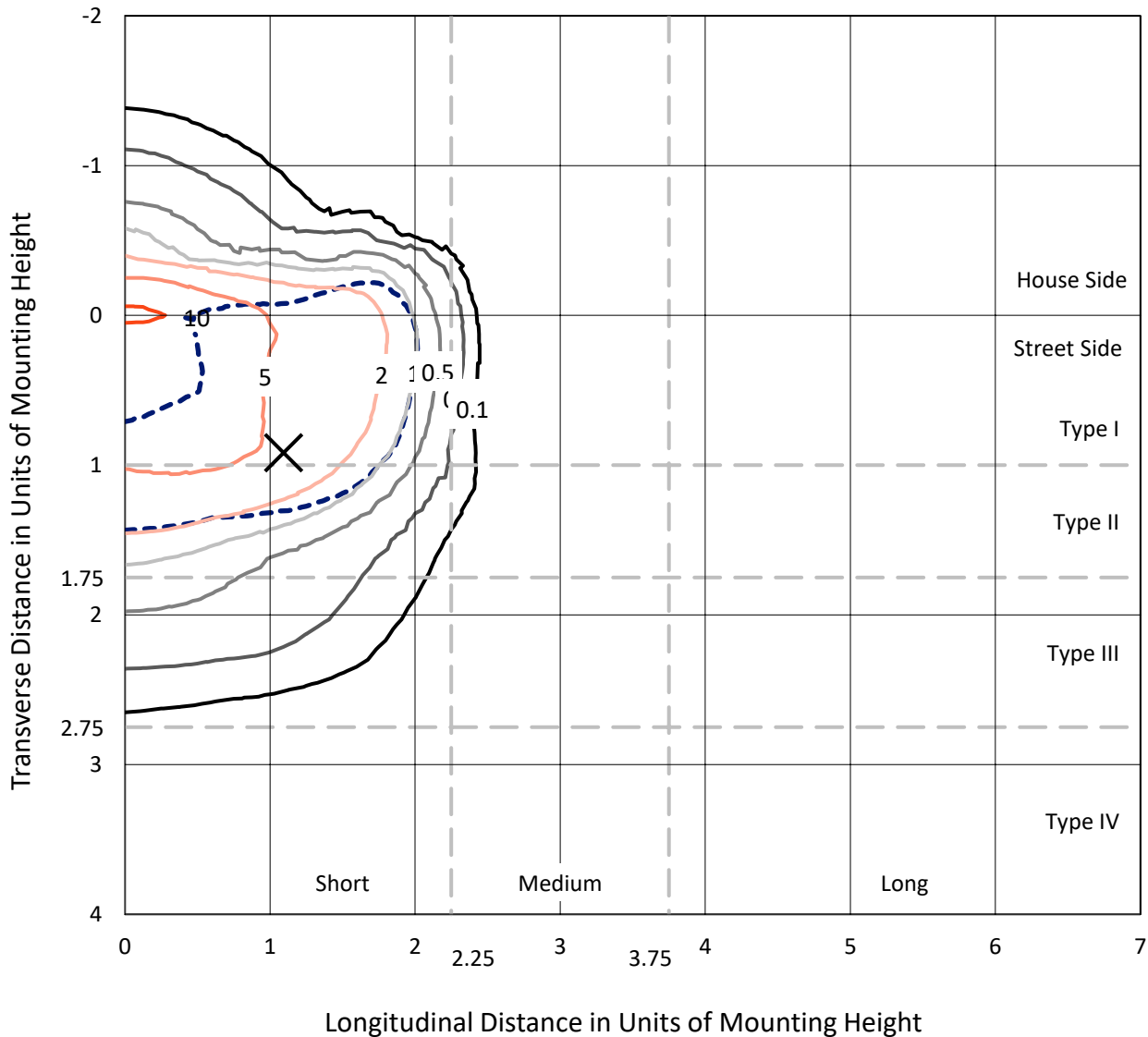
Lumens per Lamp: N/A  
Luminaire Lumens: 19361.6 lumens  
Efficiency: N/A  
Efficacy: 59.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

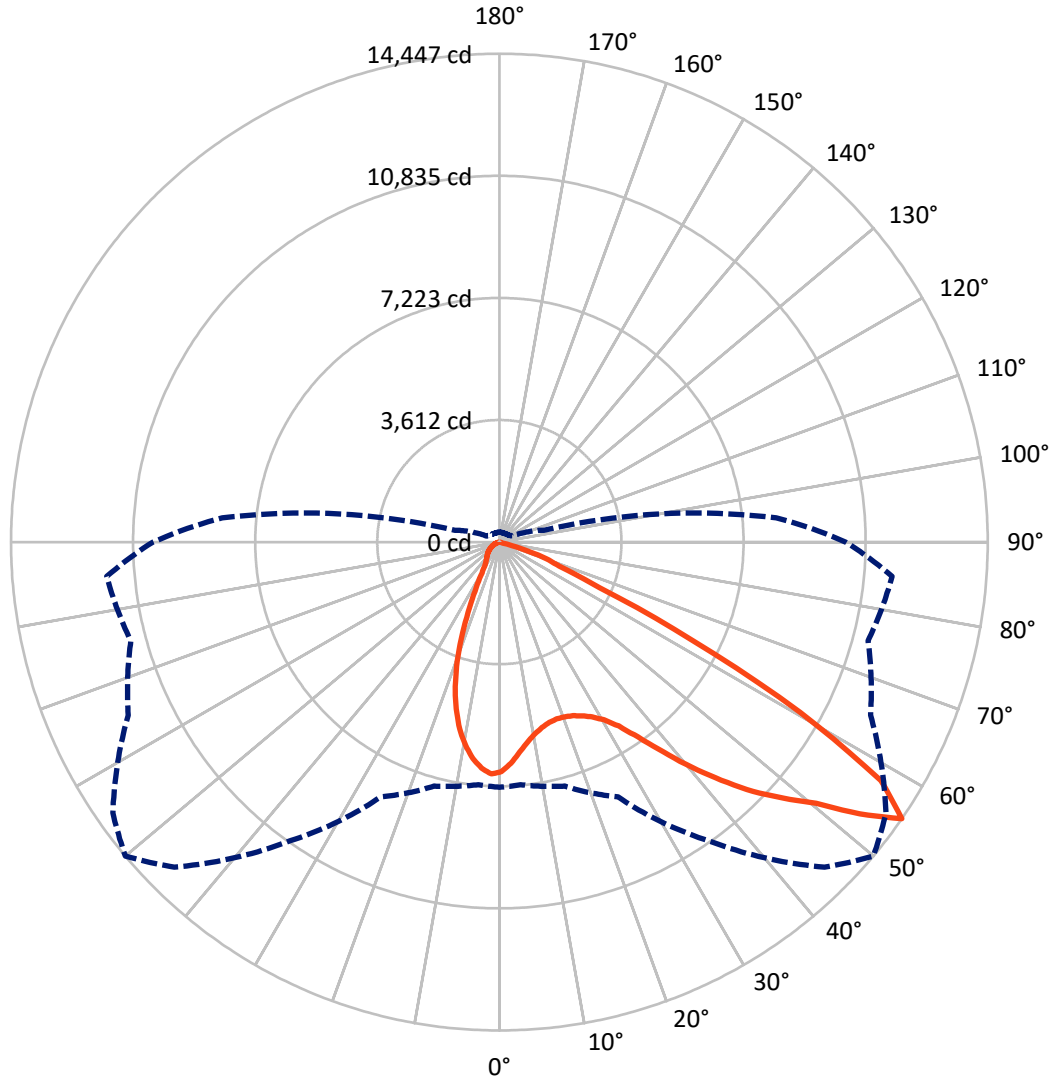
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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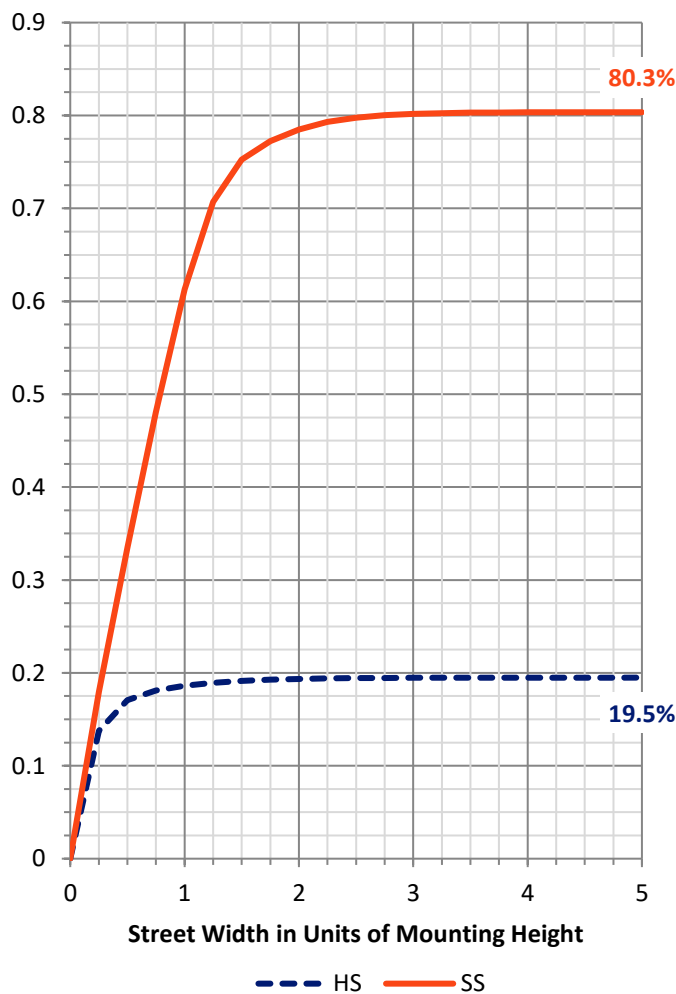
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3815.1	0.0	3815.1
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	15546.5	0.0	15546.5
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	19361.6	0.0	19361.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.6	3.1
10°-20°	1468.1	7.6
20°-30°	2070.8	10.7
30°-40°	3064.3	15.8
40°-50°	4420.8	22.8
50°-60°	5214.7	26.9
60°-70°	2326.2	12.0
70°-80°	200.0	1.0
80°-90°	0.1	0.0
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°	19361.6	100.0
0°-180°	19361.6	100.0

**Coefficient of Utilization**



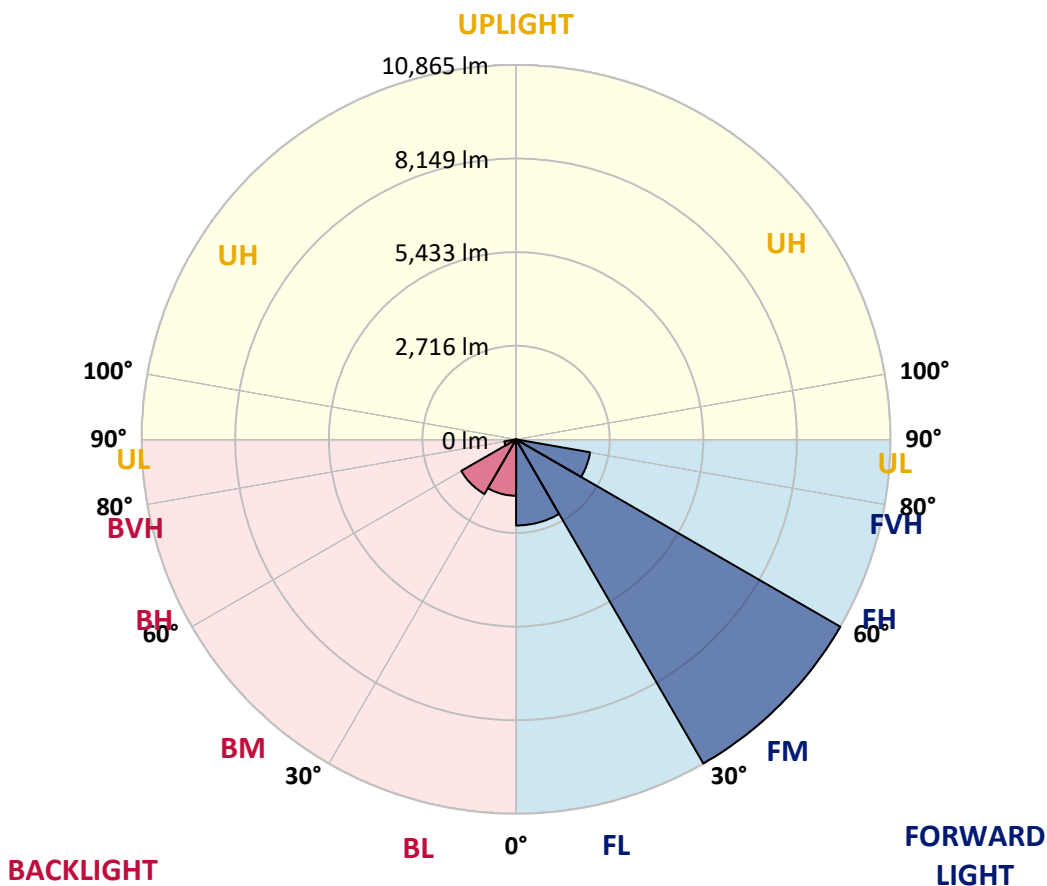
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2499.6	12.9			
FM (30°-60°)	10865.1	56.1			
FH (60°-80°)	2181.7	11.3			G2/5000
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	1635.8	8.4	B3/2500		
BM (30°-60°)	1834.8	9.5	B2/2500		
BH (60°-80°)	344.5	1.8	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1
2.5°	6310.9	6315.7	6318.0	6381.9	6405.5	6500.0	6549.7	6575.7	6644.2	6724.6	6790.8
5°	5887.8	5880.8	5892.6	5972.9	6024.9	6164.4	6240.0	6292.0	6443.3	6632.4	6790.8
7.5°	5519.1	5533.3	5547.5	5634.9	5712.9	5864.2	5972.9	6050.9	6261.3	6542.6	6809.7
10°	5259.1	5259.1	5280.4	5379.7	5471.8	5658.6	5767.3	5866.6	6117.1	6462.2	6830.9
12.5°	5067.7	5070.0	5096.0	5209.5	5315.8	5509.7	5623.1	5720.0	5996.6	6381.9	6835.7
15°	4977.8	4970.8	4992.0	5112.6	5230.8	5412.8	5530.9	5625.5	5911.5	6336.9	6859.3
17.5°	4954.2	4949.5	4966.0	5084.2	5204.8	5382.0	5497.8	5592.4	5899.7	6351.1	6930.2
20°	5022.8	5013.3	5006.2	5107.8	5221.3	5396.2	5516.8	5623.1	5956.4	6429.1	7038.9
22.5°	5185.8	5185.8	5169.3	5218.9	5294.6	5452.9	5578.2	5717.7	6105.3	6585.1	7199.7
25°	5486.0	5462.4	5431.7	5452.9	5443.5	5542.8	5691.7	5885.5	6386.6	6842.8	7395.9
27.5°	5828.8	5850.0	5798.0	5800.4	5717.7	5682.2	5854.8	6147.8	6804.9	7206.8	7686.6
30°	6294.4	6277.9	6280.2	6273.1	6081.7	5913.8	6100.6	6490.6	7332.0	7762.2	8064.8
32.5°	6658.4	6682.0	6760.0	6804.9	6554.4	6284.9	6483.5	6956.2	7932.4	8395.7	8528.0
35°	7043.7	7086.2	7244.6	7391.1	7180.8	6871.1	7083.9	7573.1	8497.3	9022.0	9059.9
37.5°	7450.2	7535.3	7724.4	7982.0	7948.9	7674.8	7868.6	8298.8	8941.7	9400.2	9499.5
40°	7915.9	7998.6	8308.2	8679.3	8757.3	8695.9	8759.7	9010.2	9234.8	9416.8	9688.6
42.5°	8426.4	8539.9	8932.2	9428.6	9721.7	9776.1	9627.1	9601.1	9362.4	9227.7	9648.4
45°	9029.1	9161.5	9605.9	10248.8	10714.4	10787.7	10530.1	10196.8	9442.8	9088.2	9527.9
47.5°	9705.1	9830.4	10272.4	11045.3	11737.9	11766.2	11317.1	10780.6	9681.5	9249.0	9620.0
50°	9932.1	10010.1	10393.0	11300.6	12577.0	12794.4	12144.4	11437.7	10161.3	9721.7	10069.1
52.5°	9152.0	9182.8	9516.0	10433.1	12406.8	13803.7	13352.3	12418.6	11014.6	10442.6	10761.7
55°	7251.7	7202.0	7471.5	8313.0	10783.0	13598.1	14446.6	13959.7	12113.7	11288.8	11662.2
57.5°	5072.4	5013.3	4951.8	5521.5	8045.9	11527.5	13312.1	14174.8	13160.8	12127.9	12633.7
60°	4169.5	4112.7	3814.9	3552.6	4864.4	8277.5	10225.1	11849.0	13075.7	12085.3	12603.0
62.5°	3602.2	3569.1	3448.6	3091.7	2862.4	4724.9	6403.1	7958.4	10033.7	9490.0	9518.4
65°	2829.3	2819.8	2902.6	2940.4	2531.5	2614.2	3266.6	4136.4	5424.6	5114.9	4850.2
67.5°	1933.5	1912.2	2068.2	2543.3	2434.6	2063.5	1912.2	1928.7	2347.1	1434.7	1139.3
70°	1229.1	1179.5	1181.8	1576.6	1980.7	1628.6	1474.9	1297.6	1167.6	212.7	241.1
72.5°	787.1	756.4	650.0	711.5	917.1	794.2	801.3	690.2	460.9	113.5	132.4
75°	330.9	304.9	234.0	186.7	184.4	115.8	101.6	94.5	63.8	63.8	68.5
77.5°	2.4	0.0	0.0	2.4	4.7	2.4	2.4	4.7	9.5	14.2	16.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1	6793.1
2.5°	6830.9	6774.2	6838.0	6861.7	6859.3	6861.7	6793.1	6745.9	6743.5	6684.4	6656.0
5°	6856.9	6812.0	6859.3	6828.6	6755.3	6663.1	6540.2	6433.9	6386.6	6318.0	6284.9
7.5°	6906.6	6859.3	6852.2	6729.3	6547.3	6353.5	6136.0	5942.2	5838.2	5712.9	5720.0
10°	6942.0	6887.7	6795.5	6544.9	6242.4	5932.8	5608.9	5320.6	5138.6	4970.8	4942.4
12.5°	6956.2	6875.9	6660.8	6282.6	5857.1	5452.9	4977.8	4566.6	4282.9	4063.1	4032.4
15°	6982.2	6852.2	6488.2	5965.8	5382.0	4810.0	4204.9	3642.4	3266.6	3013.7	3034.9
17.5°	7022.4	6826.2	6294.4	5611.3	4871.5	4063.1	3245.3	2600.0	2254.9	2108.4	2110.7
20°	7079.1	6795.5	6081.7	5221.3	4259.3	3219.3	2269.1	1782.2	1685.3	1680.6	1673.5
22.5°	7154.8	6764.8	5854.8	4793.5	3533.7	2254.9	1510.4	1359.1	1399.3	1477.3	1491.5
25°	7244.6	6726.9	5601.8	4311.3	2741.8	1479.6	1132.2	1108.6	1205.5	1309.5	1333.1
27.5°	7384.0	6708.0	5313.5	3762.9	1924.0	1061.3	926.6	940.7	1028.2	1115.6	1136.9
30°	7620.4	6743.5	4999.1	3148.4	1236.2	846.2	803.6	824.9	872.2	917.1	936.0
32.5°	7941.9	6847.5	4694.2	2477.1	881.6	735.1	725.6	737.5	756.4	782.4	789.5
35°	8317.7	7027.1	4379.8	1772.7	728.0	671.3	661.8	661.8	671.3	676.0	678.4
37.5°	8627.3	7216.2	4084.4	1179.5	652.4	621.6	607.5	600.4	598.0	602.7	605.1
40°	8762.0	7294.2	3762.9	858.0	598.0	576.7	555.5	534.2	534.2	550.7	553.1
42.5°	8667.5	7206.8	3391.8	709.1	560.2	529.5	496.4	477.5	486.9	503.5	508.2
45°	8466.6	6991.7	2982.9	626.4	522.4	482.2	444.4	432.5	442.0	463.3	468.0
47.5°	8433.5	6849.9	2493.6	572.0	482.2	442.0	401.8	390.0	401.8	418.4	423.1
50°	8762.0	6972.8	1950.0	524.7	444.4	399.5	366.4	354.5	361.6	371.1	375.8
52.5°	9362.4	7428.9	1574.2	479.8	399.5	356.9	335.6	321.5	321.5	330.9	333.3
55°	10248.8	8225.5	1359.1	427.8	347.5	323.8	304.9	290.7	290.7	295.5	297.8
57.5°	11269.9	9189.9	1408.7	359.3	304.9	293.1	276.5	264.7	269.5	269.5	269.5
60°	11128.1	9119.0	1508.0	302.5	269.5	264.7	250.5	245.8	257.6	248.2	243.5
62.5°	8197.1	6299.1	789.5	248.2	231.6	226.9	217.5	226.9	243.5	217.5	208.0
65°	3980.4	3049.1	316.7	203.3	196.2	191.5	186.7	200.9	210.4	170.2	160.7
67.5°	936.0	761.1	205.6	172.5	163.1	153.6	158.4	160.7	153.6	115.8	111.1
70°	243.5	238.7	160.7	144.2	130.0	120.5	120.5	118.2	101.6	73.3	68.5
72.5°	132.4	130.0	115.8	108.7	89.8	80.4	82.7	73.3	56.7	42.5	40.2
75°	66.2	70.9	66.2	61.5	49.6	44.9	44.9	40.2	28.4	16.5	16.5
77.5°	14.2	16.5	16.5	14.2	11.8	9.5	9.5	11.8	4.7	0.0	0.0
80°	2.4	2.4	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)