

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: P642791

Luminaire Tested: GWS-SA6D-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642791  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-750-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

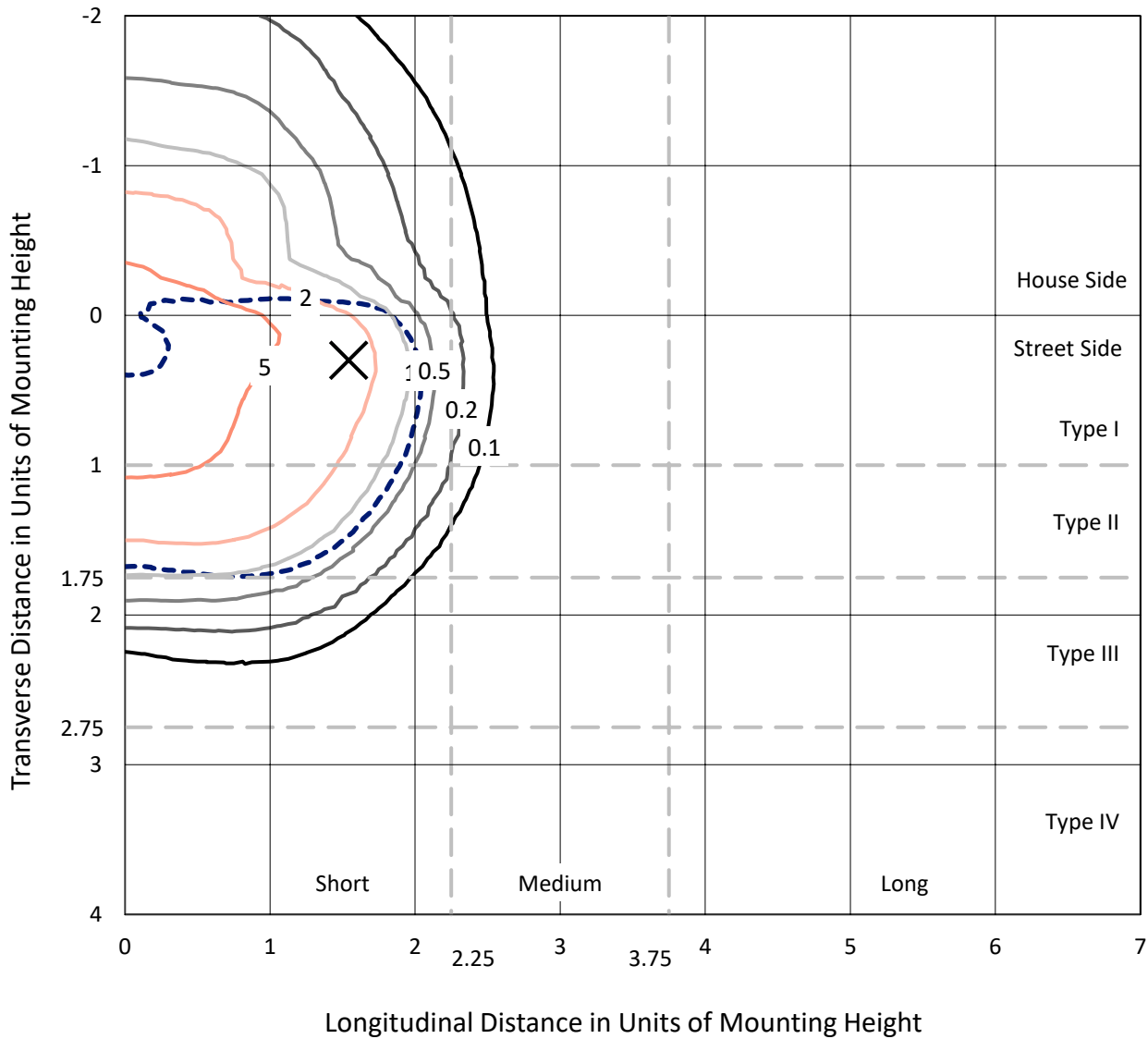
Lumens per Lamp: N/A  
Luminaire Lumens: 32125.8 lumens  
Efficiency: N/A  
Efficacy: 130.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P642791  
 CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

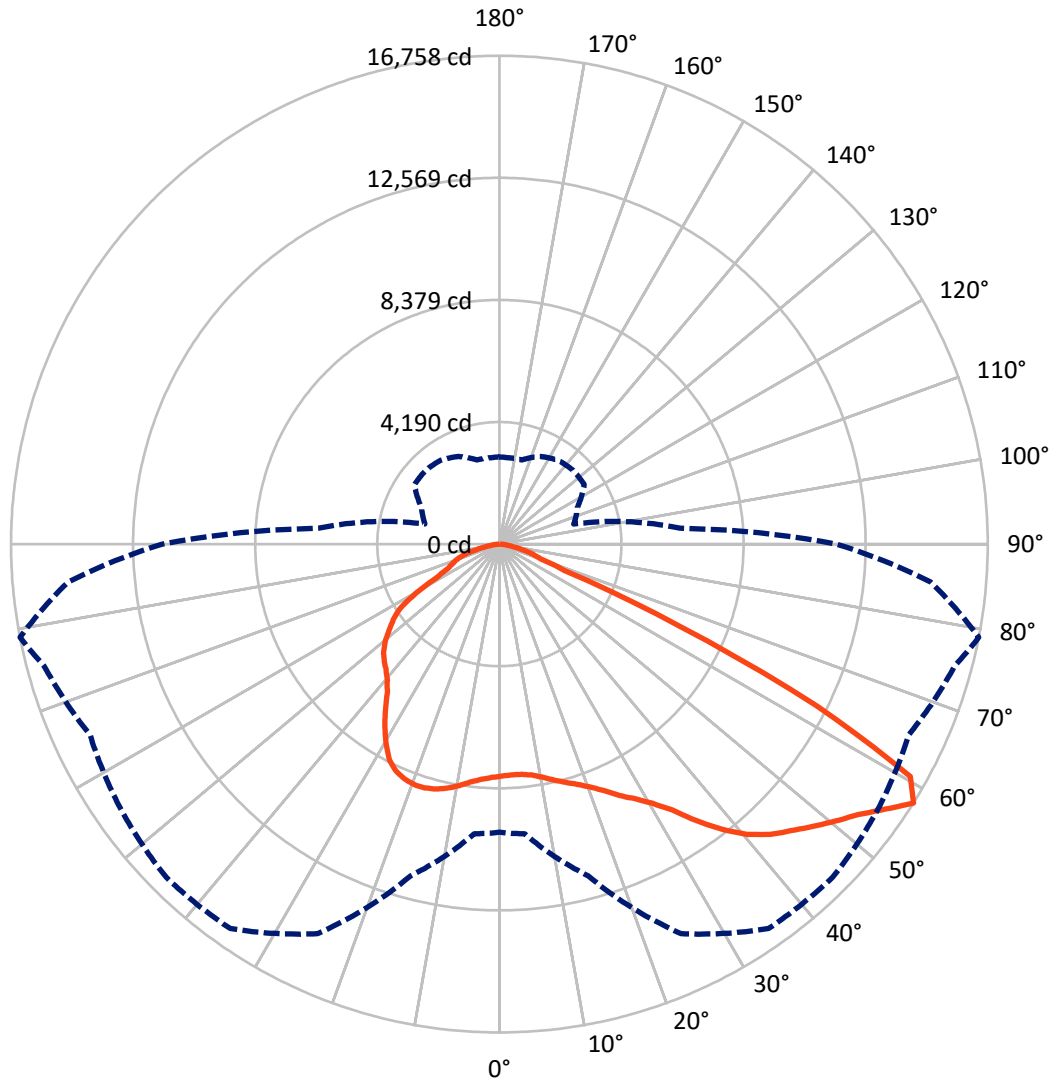
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P642791  
CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642791

CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-GRSWH

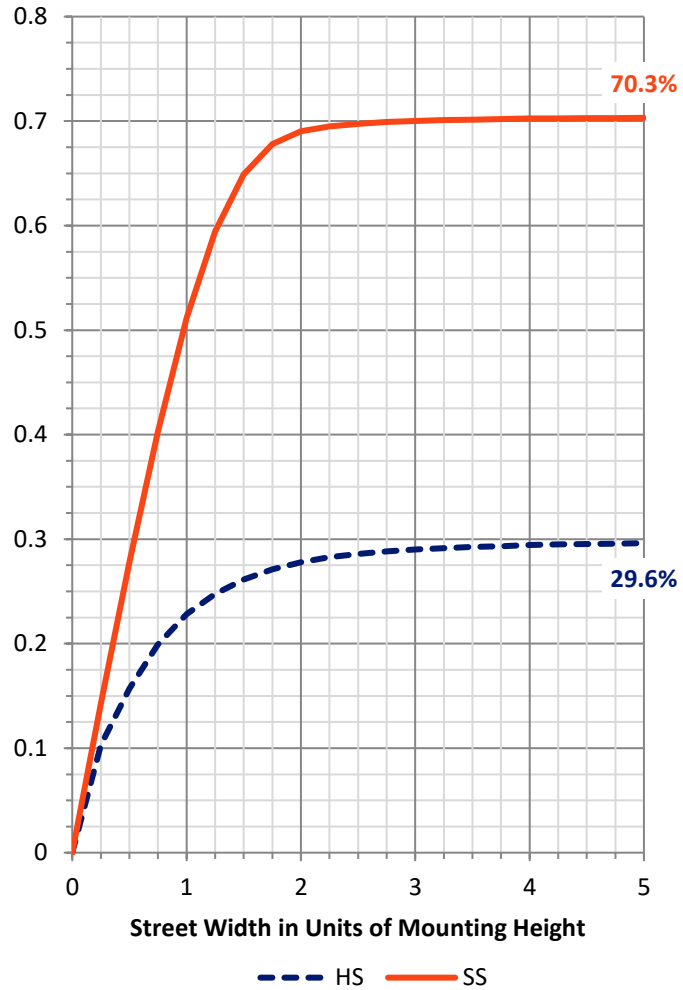
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9549.5	0.0	9549.5
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	22576.3	0.0	22576.3
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	32125.8	0.0	32125.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	737.3	2.3
10°-20°	2049.0	6.4
20°-30°	3473.1	10.8
30°-40°	5316.0	16.5
40°-50°	7088.4	22.1
50°-60°	8186.6	25.5
60°-70°	4254.0	13.2
70°-80°	904.3	2.8
80°-90°	117.1	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°	32125.8	100.0
0°-180°	32125.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642791

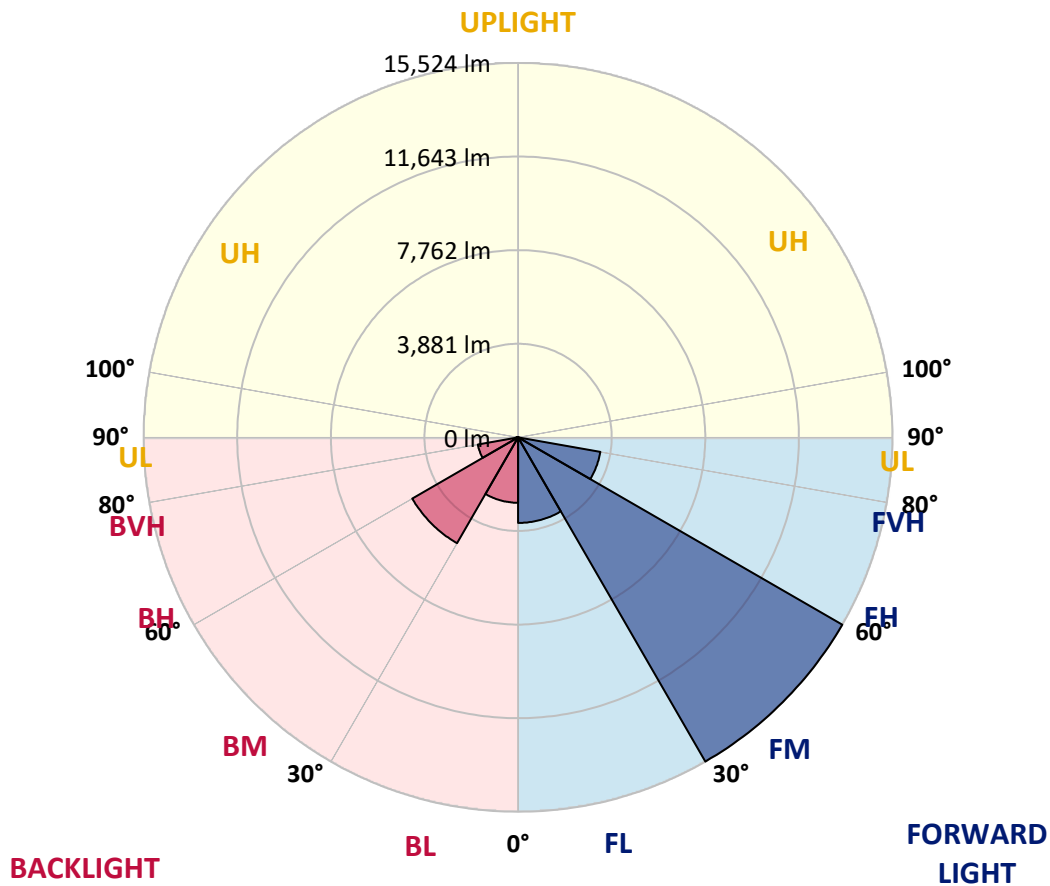
CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3547.4	11.0			
FM (30°-60°)	15524.1	48.3			
FH (60°-80°)	3464.0	10.8			G2/5000
FVH (80°-90°)	40.8	0.1			G1/100
BL (0°-30°)	2712.0	8.4	B4/5000		
BM (30°-60°)	5066.9	15.8	B4/8500		
BH (60°-80°)	1694.4	5.3	B3/2500		G3/2500
BVH (80°-90°)	76.3	0.2			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: P642791

CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5
2.5°	7599.0	7583.3	7588.5	7609.5	7688.3	7746.1	7806.5	7861.7	7914.2	7930.0	7943.1
5°	7328.5	7299.6	7307.5	7341.6	7433.6	7530.7	7638.4	7769.8	7895.8	7937.9	7993.0
7.5°	7136.7	7131.5	7144.6	7197.1	7294.3	7386.3	7525.5	7712.0	7930.0	8000.9	8098.1
10°	6881.9	6871.4	6924.0	7031.7	7191.9	7339.0	7504.5	7725.1	8029.8	8134.9	8284.6
12.5°	6679.7	6674.4	6729.6	6879.3	7084.2	7318.0	7546.5	7793.4	8163.8	8308.2	8492.1
15°	6797.9	6774.2	6776.9	6881.9	7065.8	7341.6	7651.6	7916.9	8297.7	8481.6	8718.0
17.5°	7142.0	7100.0	7068.4	7086.8	7191.9	7478.2	7811.8	8082.3	8452.7	8668.1	8957.0
20°	7617.4	7593.8	7507.1	7449.3	7473.0	7725.1	8064.0	8316.1	8655.0	8896.6	9206.6
22.5°	8255.7	8197.9	8079.7	7987.8	7916.9	8113.9	8426.4	8644.5	8936.0	9188.2	9511.3
25°	9046.3	8962.3	8775.8	8631.3	8479.0	8681.2	8959.7	9125.1	9322.1	9555.9	9863.2
27.5°	9852.7	9781.8	9574.3	9379.9	9190.8	9316.9	9647.9	9742.4	9721.4	9892.1	10154.8
30°	10711.7	10622.4	10425.4	10215.2	9970.9	10052.4	10349.2	10396.5	10173.2	10315.0	10493.7
32.5°	11617.9	11531.2	11360.5	11116.2	10840.4	10871.9	10953.3	10998.0	10785.2	10866.6	11003.2
35°	12539.8	12458.4	12285.1	12043.4	11841.1	11649.4	11444.5	11623.1	11499.7	11657.3	11646.8
37.5°	13383.0	13301.6	13193.9	13007.4	12660.7	12282.4	11809.6	12030.3	12222.0	12421.6	12387.5
40°	13953.0	13897.8	13924.1	13895.2	13448.7	12700.1	11988.2	12229.9	12752.6	13094.1	13075.7
42.5°	14444.2	14389.0	14541.4	14651.7	14126.4	13086.2	12074.9	12306.1	13091.5	13624.7	13598.4
45°	14662.2	14646.5	14898.6	15248.0	14746.3	13496.0	12298.2	12463.7	13348.9	14031.8	13932.0
47.5°	14402.2	14457.3	14953.8	15544.8	15261.1	13981.9	12755.2	12797.3	13685.1	14473.1	14192.0
50°	13884.7	14005.5	14675.4	15552.7	15636.7	14530.9	13388.3	13283.2	14136.9	14943.3	14328.6
52.5°	13130.9	13256.9	14349.6	15492.3	15852.1	15166.5	14231.4	14081.7	14706.9	15413.5	14352.3
55°	11399.9	11570.6	13603.7	15355.7	16062.2	15744.4	15182.3	14877.6	15442.3	16059.6	14586.0
57.5°	9889.5	9978.8	11786.0	14748.9	16104.3	16169.9	15860.0	15497.5	16172.6	16758.3	14848.7
60°	7257.6	7278.6	8904.5	12203.6	14814.6	15923.0	15804.8	15266.4	15825.8	16198.8	13645.7
62.5°	4100.3	4102.9	5400.5	8145.4	11066.3	12978.5	13052.1	12576.6	12106.4	12216.8	9498.1
65°	1539.2	1683.7	2466.5	4003.1	6380.2	7662.1	7966.8	8077.1	7294.3	6808.4	5093.2
67.5°	1029.7	1063.8	1439.4	2059.3	2839.5	3278.1	3666.9	3677.4	2689.7	2398.2	2006.8
70°	785.4	819.5	1132.1	1473.6	1439.4	1329.1	1436.8	1397.4	1444.7	1484.1	1526.1
72.5°	585.8	619.9	877.3	1040.2	864.2	851.0	964.0	1071.7	1171.5	1213.5	1279.2
75°	388.8	415.0	591.0	556.9	478.1	564.7	704.0	811.6	869.4	919.3	969.3
77.5°	246.9	265.3	315.2	254.8	265.3	331.0	409.8	507.0	562.1	612.0	638.3
80°	112.9	110.3	107.7	120.8	149.7	194.4	246.9	304.7	346.7	367.7	383.5
82.5°	44.7	49.9	55.2	65.7	81.4	105.1	139.2	178.6	212.8	218.0	231.1
85°	18.4	21.0	23.6	28.9	36.8	47.3	57.8	81.4	102.4	110.3	118.2
87.5°	0.0	0.0	0.0	0.0	2.6	5.3	7.9	13.1	23.6	26.3	28.9
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: P642791

CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5	7961.5
2.5°	8014.0	7979.9	8037.7	8077.1	8113.9	8074.5	8061.3	8027.2	8021.9	8021.9	8040.3
5°	8087.6	8064.0	8124.4	8148.0	8145.4	8058.7	8006.2	7937.9	7903.7	7903.7	7909.0
7.5°	8218.9	8205.8	8239.9	8203.2	8119.1	7943.1	7769.8	7625.3	7528.1	7478.2	7494.0
10°	8436.9	8421.2	8392.3	8255.7	8014.0	7648.9	7294.3	7031.7	6874.1	6784.8	6790.0
12.5°	8649.7	8623.4	8521.0	8218.9	7722.5	7142.0	6677.1	6382.9	6209.5	6104.4	6080.8
15°	8883.5	8815.2	8594.5	8029.8	7247.1	6522.1	6036.1	5718.3	5531.8	5468.8	5466.2
17.5°	9106.8	8985.9	8586.7	7693.6	6677.1	5873.3	5384.7	5187.7	5156.2	5185.1	5193.0
20°	9332.7	9138.3	8500.0	7228.7	5999.4	5227.1	4975.0	5056.4	5174.6	5253.4	5271.8
22.5°	9566.4	9264.4	8303.0	6629.8	5284.9	4791.1	4896.2	5074.8	5221.9	5326.9	5337.4
25°	9829.1	9382.6	8008.8	5896.9	4712.3	4670.3	4877.8	5066.9	5224.5	5345.3	5366.3
27.5°	9978.8	9385.2	7596.4	5143.1	4449.6	4623.0	4833.1	5011.7	5169.3	5300.7	5324.3
30°	10125.9	9314.3	6942.4	4531.1	4373.4	4567.8	4756.9	4922.4	5072.2	5200.9	5229.8
32.5°	10333.4	9248.6	6188.5	4179.1	4328.8	4515.3	4670.3	4817.4	4932.9	4990.7	5006.5
35°	10590.8	9164.5	5387.4	4026.7	4299.9	4473.3	4609.9	4688.7	4538.9	4507.4	4541.6
37.5°	10950.7	9085.7	4588.8	3961.1	4281.5	4457.5	4578.3	4376.1	4192.2	4118.7	4144.9
40°	11339.4	9041.1	4047.7	3908.5	4289.4	4473.3	4447.0	4147.6	3882.3	3727.3	3722.0
42.5°	11670.4	8972.8	3701.0	3874.4	4310.4	4533.7	4268.4	3945.3	3551.3	3459.4	3462.0
45°	11893.7	8799.4	3517.1	3837.6	4328.8	4546.8	4184.3	3666.9	3385.8	3328.0	3325.4
47.5°	11985.6	8484.2	3398.9	3779.8	4326.2	4439.1	4013.6	3551.3	3270.2	3254.5	3265.0
50°	11925.2	7966.8	3278.1	3666.9	4263.1	4326.2	3816.6	3448.9	3191.4	3278.1	3341.2
52.5°	11701.9	7297.0	3133.6	3511.9	4150.2	4197.5	3716.8	3385.8	3133.6	3249.2	3299.1
55°	11644.1	6753.2	2949.8	3309.6	3982.1	3968.9	3611.7	3354.3	3094.2	3049.6	3057.5
57.5°	11568.0	6222.6	2645.1	2947.2	3556.5	3577.6	3511.9	3317.5	2991.8	2978.7	2991.8
60°	10049.7	4770.1	2358.8	2542.6	2920.9	3033.8	3398.9	3249.2	2826.3	2771.2	2768.5
62.5°	6564.1	2889.4	2098.7	2216.9	2379.8	2511.1	3099.5	3052.2	2645.1	2610.9	2634.6
65°	3530.3	2059.3	1909.6	1980.5	2069.8	2169.7	2568.9	2718.6	2390.3	2269.5	2272.1
67.5°	1804.5	1752.0	1767.8	1817.7	1886.0	1935.9	2072.5	2203.8	2038.3	1935.9	1933.2
70°	1544.5	1586.5	1610.2	1639.1	1683.7	1675.8	1689.0	1712.6	1699.5	1649.6	1646.9
72.5°	1316.0	1381.6	1386.9	1392.1	1407.9	1371.1	1347.5	1308.1	1310.7	1318.6	1321.2
75°	1000.8	1063.8	1079.6	1071.7	1087.5	1040.2	1008.7	969.3	922.0	914.1	919.3
77.5°	651.4	701.3	725.0	719.7	727.6	690.8	675.1	633.0	577.9	556.9	556.9
80°	394.0	422.9	441.3	446.5	454.4	428.2	401.9	365.1	341.5	317.8	317.8
82.5°	239.0	257.4	270.5	270.5	278.4	249.5	228.5	202.3	191.7	170.7	170.7
85°	120.8	134.0	139.2	136.6	131.3	107.7	99.8	86.7	81.4	70.9	70.9
87.5°	28.9	36.8	36.8	26.3	26.3	13.1	7.9	2.6	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)