

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: P642269

Luminaire Tested: GWS-SA6C-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642269  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-750-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

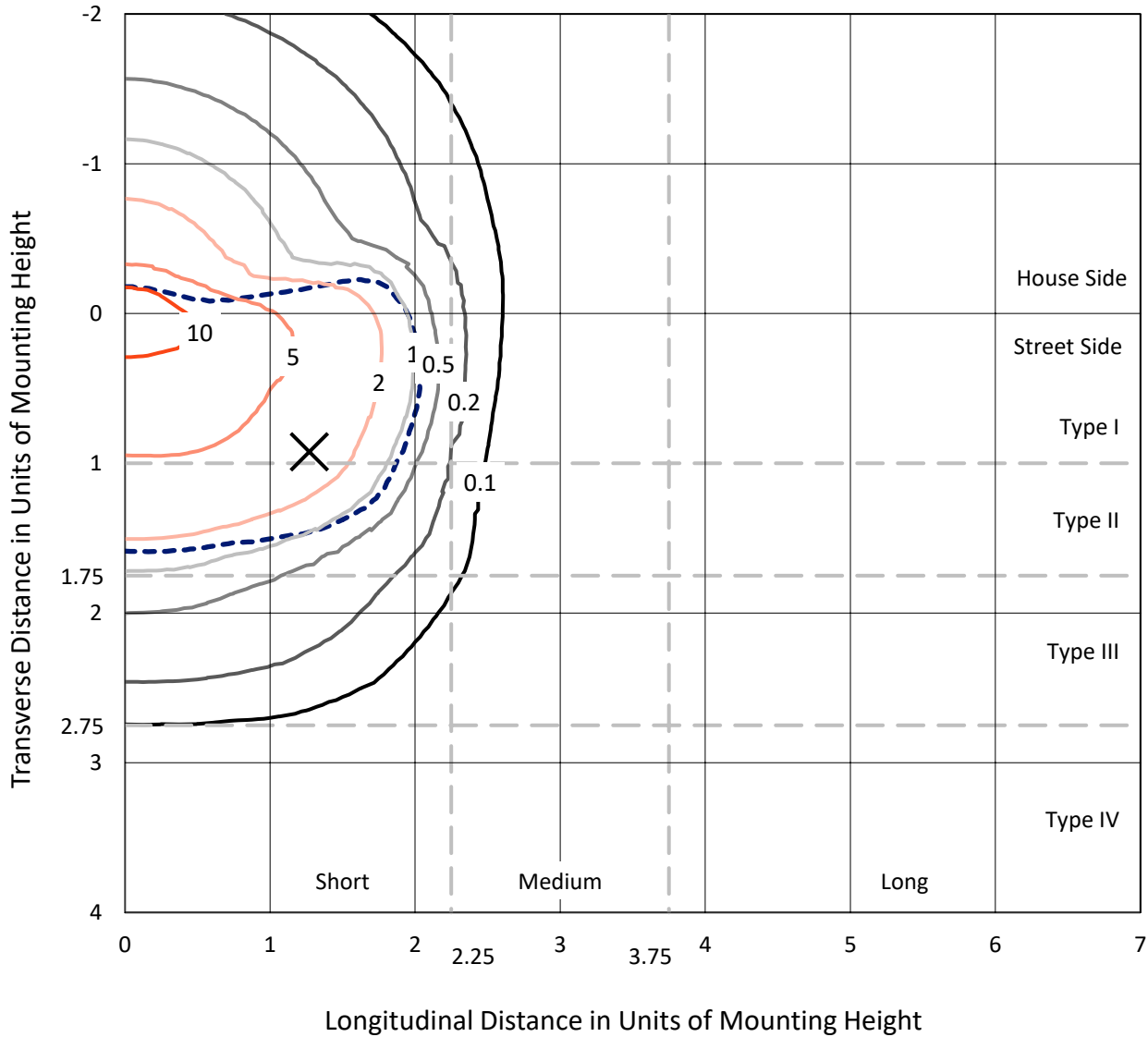
Lumens per Lamp: N/A  
Luminaire Lumens: 24324 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

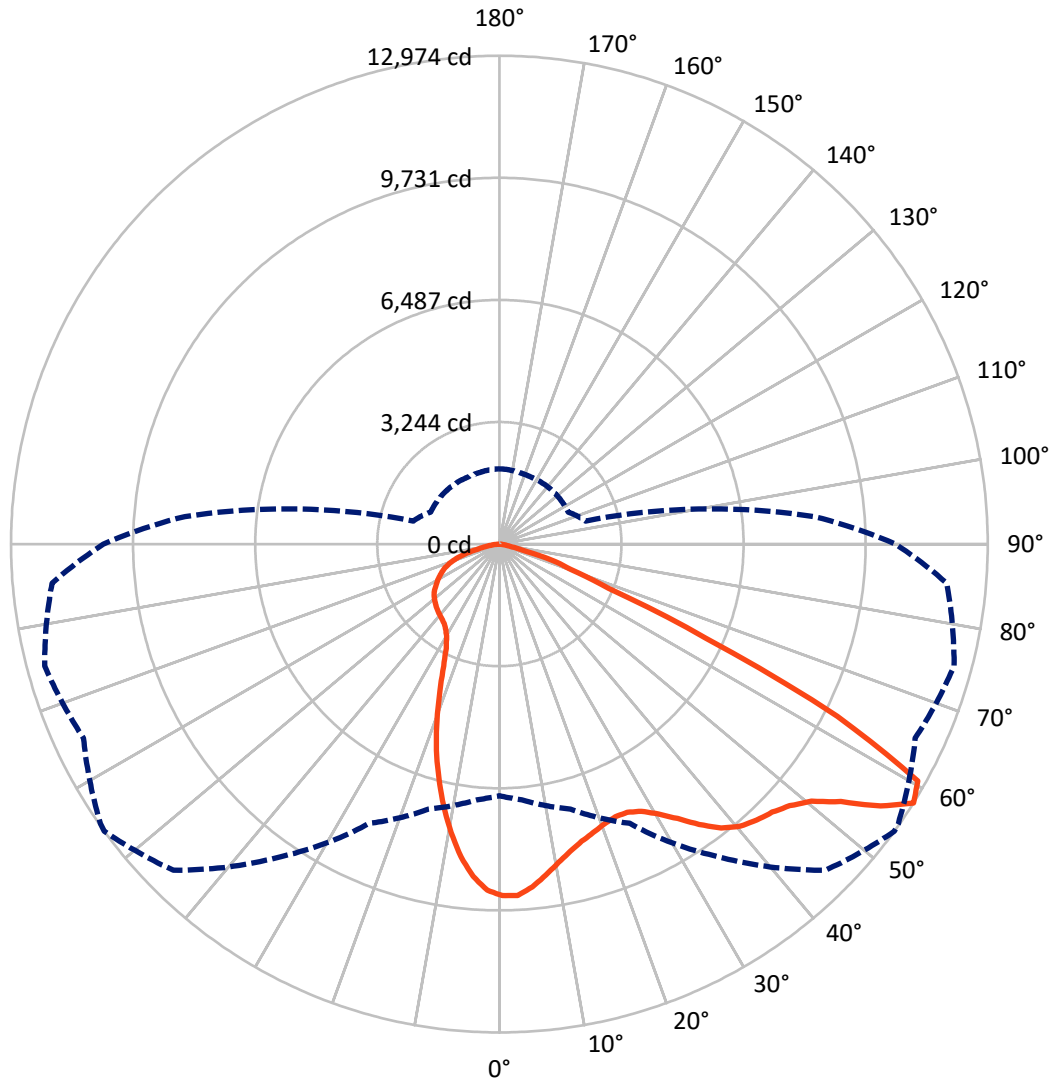
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical



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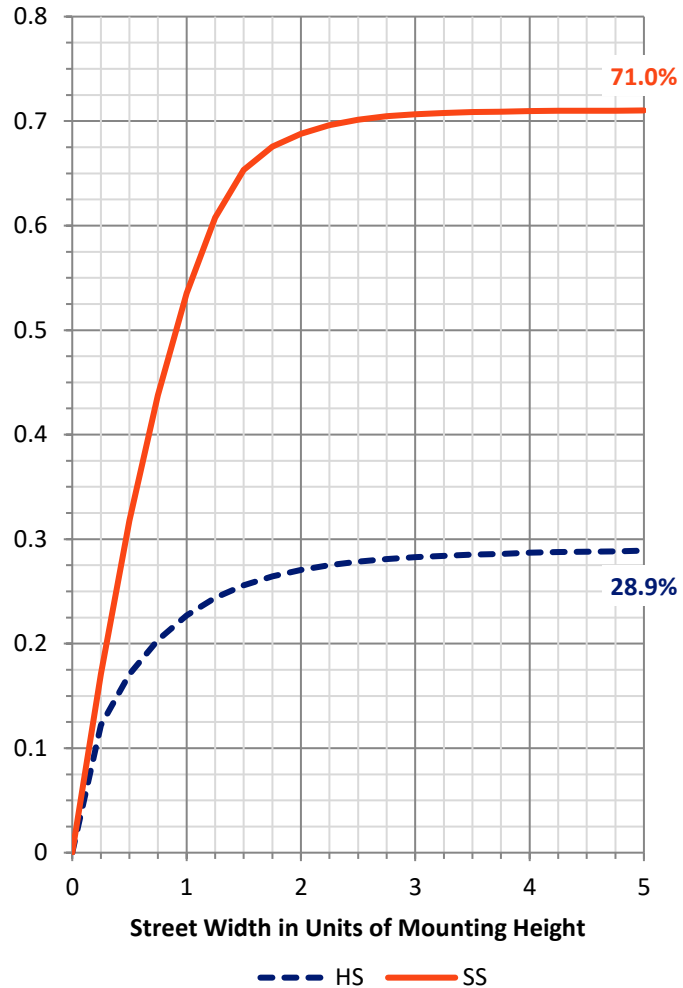
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7071.3	0.0	7071.3
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	17252.7	0.0	17252.7
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	24324.0	0.0	24324.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	820.8	3.4
10°-20°	1958.6	8.1
20°-30°	2710.5	11.1
30°-40°	3766.2	15.5
40°-50°	4974.0	20.4
50°-60°	5910.9	24.3
60°-70°	3274.7	13.5
70°-80°	815.5	3.4
80°-90°	92.7	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°	24324.0	100.0
0°-180°	24324.0	100.0

**Coefficient of Utilization**



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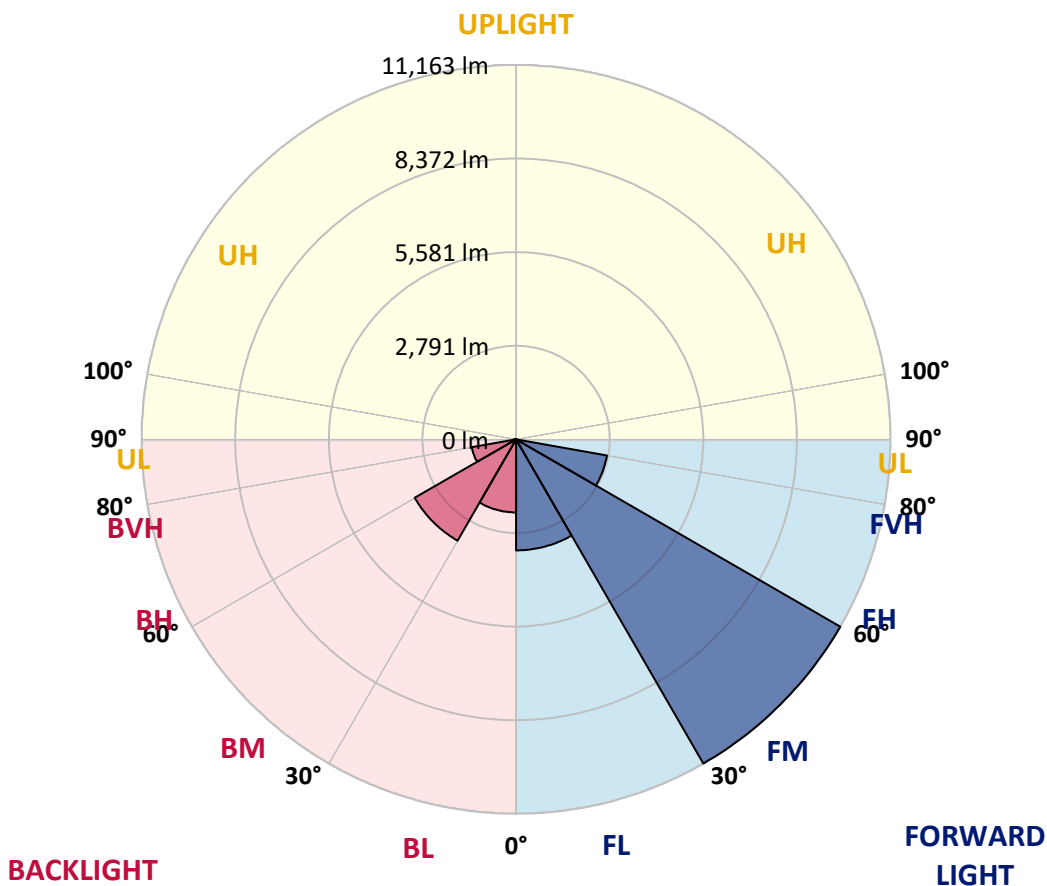
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3310.9	13.6			
FM (30°-60°)	11162.7	45.9			
FH (60°-80°)	2750.2	11.3			G2/5000
FVH (80°-90°)	29.0	0.1			G1/100
BL (0°-30°)	2179.1	9.0	B3/2500		
BM (30°-60°)	3488.4	14.3	B3/5000		
BH (60°-80°)	1340.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	63.7	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-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5
2.5°	9163.6	9182.4	9194.9	9238.6	9276.1	9309.4	9344.8	9344.8	9342.7	9336.5	9324.0
5°	8801.3	8822.2	8851.3	8911.7	8992.9	9051.2	9147.0	9155.3	9196.9	9213.6	9205.3
7.5°	8380.7	8387.0	8424.5	8503.6	8632.7	8736.8	8874.2	8890.9	8990.8	9049.1	9038.7
10°	7920.6	7899.8	7966.4	8083.0	8251.6	8426.5	8603.5	8618.1	8778.4	8888.8	8880.5
12.5°	7500.0	7502.1	7568.7	7710.3	7920.6	8137.1	8374.5	8407.8	8605.6	8747.2	8732.6
15°	7148.1	7156.4	7237.6	7398.0	7637.4	7895.6	8191.3	8222.5	8472.4	8659.7	8618.1
17.5°	6867.0	6875.3	6946.1	7129.4	7385.5	7697.8	8058.0	8089.2	8399.5	8622.3	8536.9
20°	6673.4	6669.2	6737.9	6912.8	7177.2	7516.6	7941.4	7987.2	8376.6	8636.8	8482.8
22.5°	6594.2	6592.2	6642.1	6785.8	7033.6	7377.1	7870.6	7933.1	8401.6	8701.4	8449.4
25°	6633.8	6625.5	6669.2	6775.4	6973.2	7323.0	7891.4	7958.1	8507.7	8834.7	8455.7
27.5°	6756.6	6746.2	6783.7	6879.5	7029.4	7379.2	8037.2	8114.2	8732.6	9078.3	8539.0
30°	6944.0	6937.8	6975.3	7066.9	7198.1	7566.6	8316.2	8403.6	9080.3	9457.2	8720.1
32.5°	7162.7	7152.3	7218.9	7325.1	7477.1	7908.1	8691.0	8805.5	9492.6	9944.4	9024.1
35°	7408.4	7400.0	7491.7	7645.7	7864.4	8382.8	9144.9	9269.8	9913.2	10496.2	9428.1
37.5°	7647.8	7647.8	7824.8	8053.8	8328.7	8899.2	9571.7	9650.9	10204.7	10985.5	9861.2
40°	7860.2	7872.7	8139.2	8482.8	8832.6	9365.6	9852.8	9919.5	10333.8	11322.8	10238.0
42.5°	8095.5	8105.9	8416.1	8865.9	9282.3	9742.5	10023.6	10056.9	10358.8	11491.5	10504.6
45°	8282.9	8297.5	8682.7	9163.6	9673.8	10025.7	10158.9	10188.1	10394.2	11583.1	10698.2
47.5°	8380.7	8401.6	8843.0	9403.1	9938.2	10279.7	10381.7	10394.2	10539.9	11743.4	10931.4
50°	8364.1	8405.7	8903.4	9521.8	10133.9	10535.8	10739.8	10760.7	10837.7	11978.7	11204.2
52.5°	8511.9	8530.7	9032.5	9663.4	10412.9	11008.4	11362.4	11391.6	11356.2	12155.7	11366.6
55°	8266.2	8355.8	8872.1	9642.5	10837.7	11739.3	12284.8	12270.2	11826.7	12353.5	11637.3
57.5°	6685.9	6817.0	7289.7	8185.0	10138.1	12251.5	12974.0	12938.6	12191.1	12505.5	11930.8
60°	4628.7	4649.5	5076.3	5711.4	7824.8	10823.1	12772.0	12849.1	12257.7	12314.0	11387.4
62.5°	3702.1	3695.9	3735.4	3752.1	4976.4	7608.3	10081.9	10363.0	10183.9	9594.6	8070.5
65°	3160.7	3183.6	3300.2	3239.9	3248.2	4285.1	6023.7	6063.3	5938.4	5726.0	4268.5
67.5°	2473.6	2513.2	2719.3	2954.6	2879.6	2758.9	3125.3	3106.6	2448.6	1894.8	1565.8
70°	1549.1	1574.1	1794.8	2319.5	2506.9	2265.4	2009.3	2001.0	1311.8	1078.6	1182.7
72.5°	903.7	907.8	970.3	1293.0	1663.7	1549.1	1478.3	1424.2	843.3	859.9	943.2
75°	497.6	497.6	495.6	558.0	655.9	580.9	562.2	547.6	564.3	639.2	701.7
77.5°	104.1	106.2	112.4	147.8	191.6	233.2	293.6	295.7	368.5	426.8	476.8
80°	47.9	50.0	62.5	79.1	102.0	135.3	179.1	181.1	222.8	268.6	301.9
82.5°	25.0	27.1	33.3	41.6	54.1	70.8	99.9	99.9	133.3	158.2	179.1
85°	8.3	8.3	12.5	16.7	22.9	29.2	39.6	39.6	58.3	77.0	89.5
87.5°	0.0	0.0	0.0	0.0	2.1	4.2	8.3	8.3	10.4	12.5	20.8
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°	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5	9338.5
2.5°	9296.9	9232.3	9234.4	9246.9	9207.4	9147.0	9107.4	9057.4	9026.2	9020.0	9042.9
5°	9163.6	9088.7	9036.6	8982.5	8870.0	8736.8	8632.7	8547.3	8491.1	8470.3	8445.3
7.5°	8980.4	8882.5	8751.4	8599.4	8395.3	8157.9	7991.4	7835.2	7726.9	7695.7	7681.1
10°	8797.2	8655.6	8422.4	8139.2	7799.8	7479.2	7177.2	6946.1	6762.9	6658.8	6692.1
12.5°	8607.7	8432.8	8068.4	7633.2	7160.6	6677.5	6281.9	5898.8	5603.1	5455.3	5411.6
15°	8441.1	8203.8	7695.7	7106.4	6477.6	5869.6	5297.0	4722.4	4347.6	4143.5	4087.3
17.5°	8299.5	7991.4	7302.2	6569.2	5817.6	4951.4	4247.6	3714.6	3458.5	3346.0	3337.7
20°	8160.0	7783.2	6912.8	5990.4	5055.5	4085.2	3456.4	3206.5	3114.9	3075.4	3073.3
22.5°	8035.1	7564.5	6502.6	5411.6	4297.6	3433.5	3087.9	2979.6	2954.6	2954.6	2950.4
25°	7928.9	7345.9	6082.0	4797.3	3612.6	3056.6	2896.3	2850.5	2860.9	2879.6	2881.7
27.5°	7885.2	7175.2	5676.0	4166.4	3139.9	2838.0	2765.1	2758.9	2788.0	2817.2	2821.3
30°	7931.0	7058.6	5259.6	3562.6	2856.7	2704.7	2671.4	2683.9	2719.3	2748.5	2748.5
32.5°	8072.6	7000.3	4834.8	3121.2	2692.2	2611.0	2600.6	2613.1	2640.2	2656.8	2658.9
35°	8312.0	7023.2	4395.5	2823.4	2586.1	2542.3	2540.2	2548.6	2559.0	2569.4	2571.5
37.5°	8613.9	7125.2	3924.9	2650.6	2517.3	2492.4	2488.2	2486.1	2488.2	2488.2	2490.3
40°	8909.6	7279.3	3504.3	2548.6	2469.5	2448.6	2438.2	2423.6	2421.6	2417.4	2415.3
42.5°	9128.2	7398.0	3169.1	2475.7	2425.7	2400.7	2388.2	2365.3	2363.3	2361.2	2359.1
45°	9292.7	7497.9	2890.1	2404.9	2379.9	2357.0	2329.9	2309.1	2313.3	2317.5	2317.5
47.5°	9478.0	7585.3	2686.0	2338.3	2323.7	2300.8	2267.5	2252.9	2267.5	2282.1	2282.1
50°	9702.9	7708.2	2519.4	2271.6	2265.4	2238.3	2209.2	2202.9	2219.6	2240.4	2240.4
52.5°	9867.4	7814.4	2400.7	2205.0	2205.0	2169.6	2144.6	2142.6	2161.3	2182.1	2184.2
55°	10175.6	8062.2	2359.1	2128.0	2119.6	2092.6	2073.8	2059.3	2082.2	2100.9	2100.9
57.5°	10523.3	8391.1	2369.5	2017.6	2007.2	1998.9	1984.3	1967.7	1973.9	1994.7	1996.8
60°	9786.2	7754.0	2255.0	1907.3	1901.0	1896.9	1878.1	1849.0	1857.3	1874.0	1876.0
62.5°	6835.8	5153.4	1824.0	1769.8	1790.7	1788.6	1763.6	1730.3	1732.4	1755.3	1755.3
65°	3548.0	2788.0	1601.2	1644.9	1676.1	1663.7	1622.0	1592.9	1588.7	1617.8	1611.6
67.5°	1530.4	1522.1	1457.5	1513.7	1547.1	1520.0	1476.3	1428.4	1432.5	1442.9	1434.6
70°	1232.6	1270.1	1297.2	1357.6	1384.6	1334.7	1286.8	1259.7	1236.8	1234.7	1220.2
72.5°	984.9	1036.9	1097.3	1159.8	1168.1	1118.1	1057.7	1032.8	997.4	995.3	980.7
75°	741.3	785.0	832.9	882.8	882.8	835.0	795.4	782.9	741.3	728.8	716.3
77.5°	506.0	533.0	570.5	583.0	595.5	576.8	537.2	516.4	468.5	456.0	439.3
80°	318.6	337.3	360.2	368.5	381.0	358.1	326.9	304.0	270.7	260.3	251.9
82.5°	191.6	204.1	218.6	222.8	233.2	216.5	187.4	170.7	152.0	143.7	137.4
85°	97.9	104.1	112.4	114.5	112.4	95.8	85.4	77.0	64.5	62.5	58.3
87.5°	25.0	29.2	31.2	29.2	27.1	20.8	14.6	10.4	4.2	4.2	2.1
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)