

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: P643288

Luminaire Tested: GWS-SA6E-750-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGE-750-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

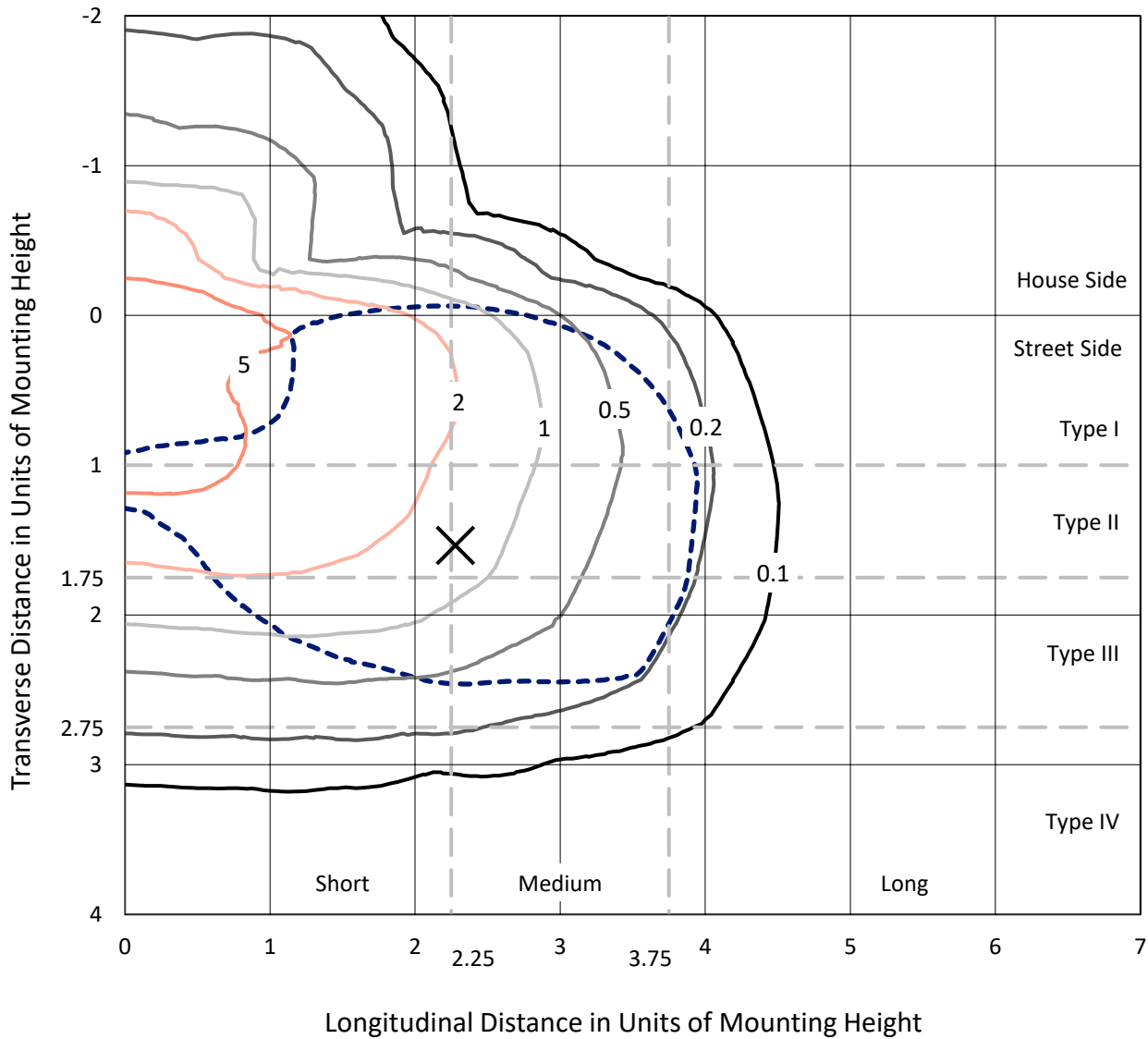
Lumens per Lamp: N/A  
Luminaire Lumens: 46550.3 lumens  
Efficiency: N/A  
Efficacy: 143.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 323.8  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P643288  
 CATALOG NUMBER: GWS-SA6E-750-U-T3R-W

### Iso-Footcandle Lines of Horizontal Illumination

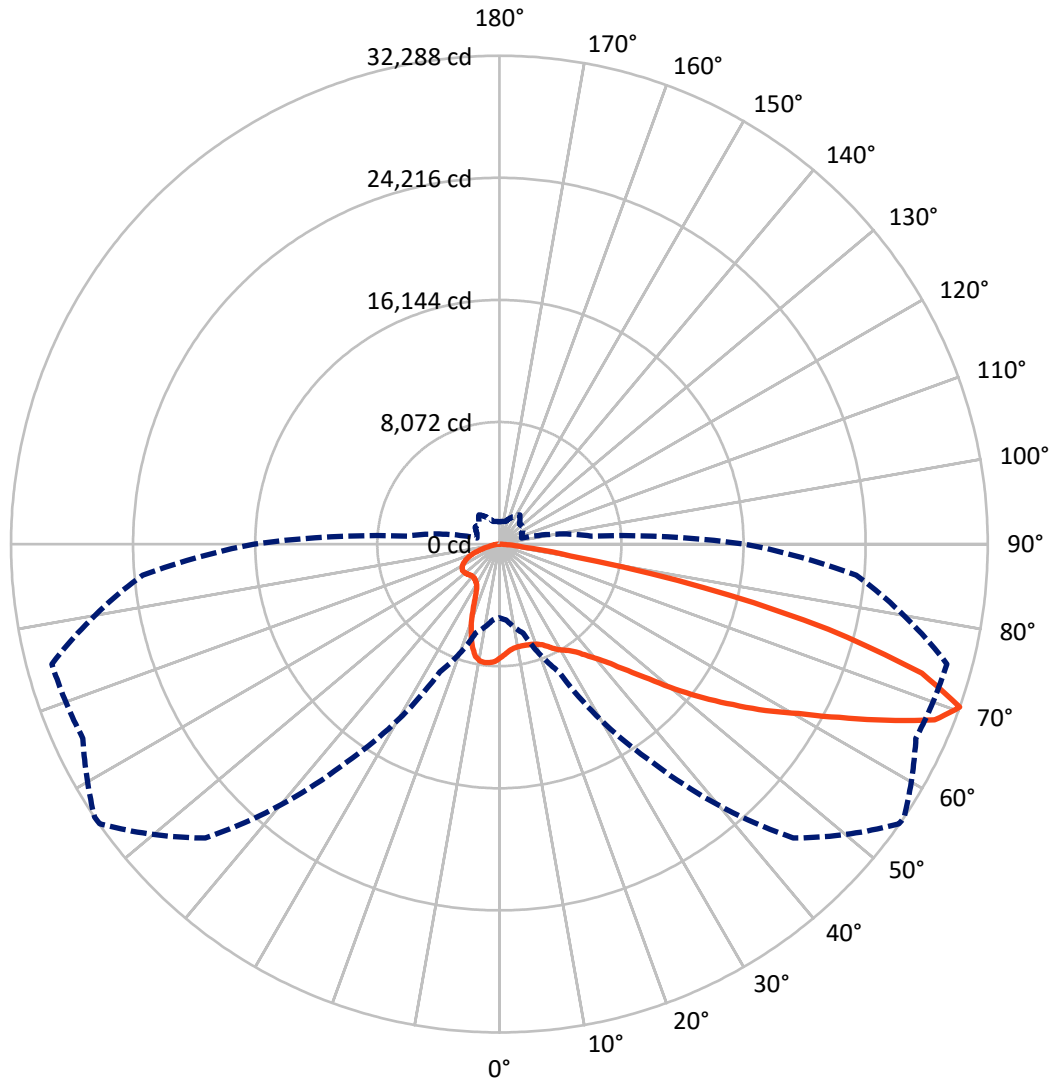
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P643288  
CATALOG NUMBER: GWS-SA6E-750-U-T3R-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P643288

CATALOG NUMBER: GWS-SA6E-750-U-T3R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8949.4	0.0	8949.4
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	37600.9	0.0	37600.9
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	46550.3	0.0	46550.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	695.3	1.5
10°-20°	1884.0	4.0
20°-30°	3114.8	6.7
30°-40°	4657.1	10.0
40°-50°	6930.3	14.9
50°-60°	9852.9	21.2
60°-70°	12203.1	26.2
70°-80°	6738.2	14.5
80°-90°	474.5	1.0
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°	46550.3	100.0
0°-180°	46550.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P643288

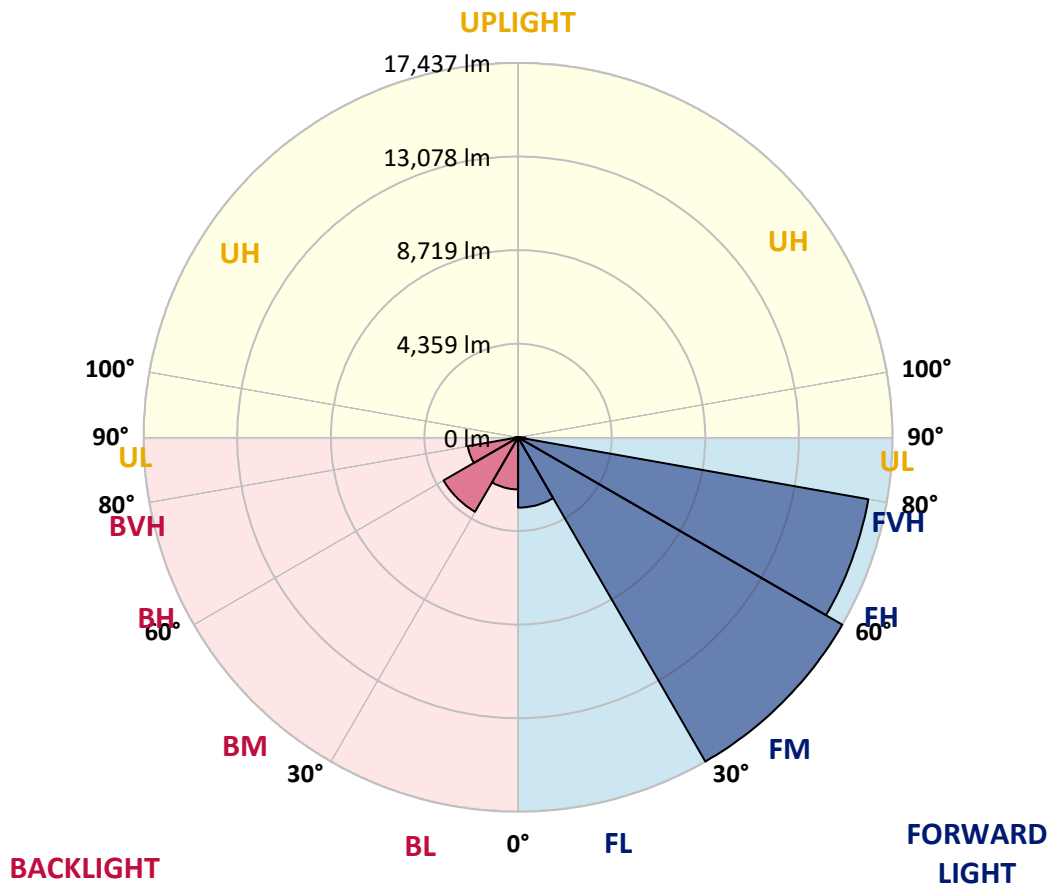
CATALOG NUMBER: GWS-SA6E-750-U-T3R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3271.5	7.0			
FM (30°-60°)	17437.0	37.5			
FH (60°-80°)	16562.6	35.6			G5
FVH (80°-90°)	329.8	0.7			G3/500
BL (0°-30°)	2422.7	5.2	B3/2500		
BM (30°-60°)	4003.2	8.6	B3/5000		
BH (60°-80°)	2378.7	5.1	B3/2500		G3/2500
BVH (80°-90°)	144.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Medium





REPORT NUMBER: P643288  
 CATALOG NUMBER: GWS-SA6E-750-U-T3R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9
2.5°	7031.4	6992.0	7038.0	7060.9	7120.0	7205.4	7280.9	7284.2	7323.5	7418.7	7510.7
5°	6713.0	6693.3	6706.4	6775.3	6837.7	6946.0	7060.9	7070.8	7182.4	7369.5	7553.3
7.5°	6466.8	6440.5	6489.8	6578.4	6657.2	6778.6	6929.6	6942.8	7100.3	7382.6	7664.9
10°	6112.3	6092.6	6184.5	6302.6	6473.3	6673.6	6873.8	6890.2	7097.0	7468.0	7861.9
12.5°	5958.0	5958.0	5997.4	6109.0	6296.1	6562.0	6864.0	6890.2	7149.6	7599.3	8114.7
15°	6197.6	6214.0	6181.2	6174.6	6250.1	6502.9	6877.1	6916.5	7248.0	7733.9	8364.1
17.5°	6680.1	6696.6	6611.2	6476.6	6401.1	6558.7	6926.3	6969.0	7353.1	7881.6	8633.3
20°	7356.4	7376.1	7189.0	6982.1	6722.8	6719.5	7021.5	7060.9	7487.7	8042.4	8918.9
22.5°	8147.5	8160.6	7924.3	7596.0	7198.8	7018.3	7185.7	7225.1	7661.7	8265.7	9227.5
25°	9063.3	9102.7	8817.1	8341.2	7802.8	7428.6	7458.1	7504.1	7973.5	8564.4	9591.8
27.5°	10041.6	10090.8	9762.5	9237.3	8495.4	7881.6	7809.4	7848.8	8305.0	8748.2	9785.5
30°	11042.8	11078.9	10750.6	10149.9	9240.6	8393.7	8104.8	8127.8	8449.5	8836.8	9982.5
32.5°	12155.6	12126.0	11810.9	11118.3	10100.6	9007.5	8380.5	8374.0	8610.3	9014.1	10264.8
35°	13199.4	13242.1	12907.3	12142.4	11046.0	9765.8	8794.2	8767.9	8951.7	9303.0	10662.0
37.5°	14463.3	14450.1	14049.6	13222.4	11994.7	10491.3	9375.2	9329.2	9394.9	9752.7	11216.7
40°	15366.0	15457.9	15198.6	14427.1	13104.2	11384.2	10054.7	9952.9	9969.3	10307.5	11958.6
42.5°	16104.6	16189.9	16216.2	15723.8	14374.6	12487.1	10901.6	10799.8	10809.7	11289.0	12871.2
45°	16672.5	16787.4	17158.3	17013.9	15805.9	13760.8	12047.2	11942.2	11948.8	12480.5	13974.1
47.5°	16905.5	17030.3	17782.0	18126.7	17325.7	15283.9	13471.9	13317.6	13340.6	13928.2	15234.7
50°	16830.0	16997.4	18015.1	18983.4	18599.4	16833.3	15175.6	15067.3	14978.6	15832.1	16603.5
52.5°	16180.1	16363.9	17992.1	19528.4	19640.0	18297.4	16935.1	16872.7	16853.0	17854.2	18133.2
55°	14266.3	14574.9	17201.0	19672.8	20454.1	19676.1	18842.3	18737.2	18839.0	20020.7	19679.4
57.5°	13206.0	13435.8	15651.6	19511.9	21120.4	20989.1	20746.2	20756.1	20870.9	22374.4	21553.7
60°	12602.0	12871.2	14791.5	19072.1	21760.5	22584.5	22738.8	22738.8	22945.6	24911.9	23457.7
62.5°	11801.0	12073.5	13987.3	18225.1	22351.4	24462.1	25243.4	25233.6	25315.6	27633.2	25318.9
65°	10176.1	10428.9	12372.2	16889.1	22640.3	26530.2	28089.4	28059.9	27895.8	30055.7	26549.9
67.5°	7389.2	7628.8	9476.9	14348.4	21599.7	28197.8	31020.8	31034.0	30052.5	31582.2	26615.5
70°	4871.4	5035.6	6092.6	9319.4	17565.3	27478.9	32248.5	32287.9	30384.0	30630.2	23687.4
72.5°	3039.7	3154.6	3804.6	5557.5	10379.7	21750.7	29097.2	29205.5	27334.4	26917.5	19462.7
75°	2018.8	2097.6	2530.9	3240.0	4802.5	11771.5	22118.3	22466.3	21908.3	21100.7	13560.5
77.5°	1214.6	1280.2	1611.8	2058.2	2127.1	4599.0	12910.6	13810.0	13888.8	11016.5	5678.9
80°	554.8	630.3	889.6	1175.2	1132.5	1601.9	4553.0	4763.1	5619.9	3499.3	1792.3
82.5°	328.3	361.1	590.9	584.3	482.5	778.0	1638.0	1680.7	1427.9	1280.2	764.9
85°	131.3	154.3	249.5	219.9	177.3	252.8	617.1	646.7	620.4	558.0	282.3
87.5°	0.0	0.0	0.0	0.0	3.3	6.6	55.8	59.1	85.3	154.3	85.3
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: P643288  
 CATALOG NUMBER: GWS-SA6E-750-U-T3R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9	7513.9
2.5°	7569.7	7550.0	7648.5	7724.0	7756.8	7789.7	7760.1	7750.3	7750.3	7684.6	7651.8
5°	7651.8	7661.7	7796.2	7858.6	7858.6	7832.3	7753.6	7697.8	7678.1	7592.7	7569.7
7.5°	7806.1	7848.8	7973.5	7970.2	7878.3	7733.9	7536.9	7385.9	7248.0	7189.0	7152.8
10°	8058.9	8114.7	8200.0	8062.1	7806.1	7425.3	7008.4	6680.1	6483.2	6325.6	6325.6
12.5°	8347.7	8400.2	8383.8	8065.4	7536.9	6824.6	6223.9	5846.4	5570.6	5426.2	5426.2
15°	8636.6	8679.3	8502.0	7914.4	6975.6	6026.9	5370.4	4917.4	4677.7	4543.2	4543.2
17.5°	8928.7	8925.5	8551.2	7566.5	6243.6	5143.9	4500.5	4149.2	4067.2	4044.2	4040.9
20°	9211.1	9135.6	8488.9	6985.4	5393.4	4254.3	3847.2	3870.2	3991.7	4044.2	4050.8
22.5°	9529.5	9342.4	8305.0	6243.6	4428.3	3637.2	3663.4	3853.8	4031.1	4109.8	4119.7
25°	9854.4	9519.6	7996.5	5373.7	3620.7	3410.6	3614.2	3827.5	4027.8	4129.5	4139.4
27.5°	9985.8	9519.6	7471.3	4365.9	3190.7	3315.5	3538.7	3745.5	3955.6	4073.7	4096.7
30°	10094.1	9437.6	6736.0	3456.6	3013.5	3223.5	3417.2	3607.6	3814.4	3958.8	3985.1
32.5°	10245.1	9365.3	5846.4	2905.1	2931.4	3134.9	3269.5	3430.3	3617.5	3712.7	3702.8
35°	10422.3	9253.7	4772.9	2642.5	2862.5	3059.4	3154.6	3249.8	3164.5	3161.2	3171.0
37.5°	10675.1	9155.2	3837.4	2524.3	2816.5	3006.9	3085.7	2882.1	2764.0	2714.7	2695.0
40°	11039.5	9115.9	3026.6	2455.4	2809.9	3003.6	2947.8	2632.7	2471.8	2301.1	2297.8
42.5°	11499.0	9086.3	2501.4	2422.6	2832.9	3079.1	2757.4	2468.5	2137.0	2061.5	2054.9
45°	12089.9	9040.4	2238.8	2416.0	2888.7	3138.2	2737.7	2242.0	2015.5	1982.7	1982.7
47.5°	12802.2	8968.1	2120.6	2416.0	2951.1	3111.9	2678.6	2192.8	1959.7	1995.8	2018.8
50°	13619.6	8876.2	2058.2	2409.4	3013.5	3111.9	2553.9	2182.9	1946.6	2133.7	2209.2
52.5°	14492.8	8771.2	2015.5	2383.2	3056.1	3115.2	2560.4	2215.8	1959.7	2166.5	2228.9
55°	15457.9	8754.8	1956.4	2327.4	3069.3	3029.9	2576.9	2288.0	1979.4	1963.0	1966.3
57.5°	16675.7	8951.7	1913.8	2245.3	3016.7	2855.9	2609.7	2340.5	1956.4	1959.7	1982.7
60°	17949.4	9322.7	1949.9	2166.5	2908.4	2691.8	2632.7	2314.3	1844.8	1792.3	1798.9
62.5°	19032.7	9605.0	1979.4	2130.4	2750.8	2547.3	2609.7	2255.2	1782.5	1769.3	1798.9
65°	19485.7	9371.9	1907.2	2054.9	2521.1	2370.1	2560.4	2179.7	1729.9	1680.7	1684.0
67.5°	18983.4	8278.8	1766.1	1887.5	2261.7	2143.6	2481.7	2081.2	1657.7	1598.6	1585.5
70°	16216.2	6082.7	1523.1	1621.6	1946.6	1877.7	2360.2	1953.2	1542.8	1500.2	1470.6
72.5°	13068.1	4306.8	1263.8	1290.1	1526.4	1582.2	2150.1	1792.3	1411.5	1290.1	1247.4
75°	9096.2	2704.9	1053.7	1027.5	1103.0	1208.0	1677.4	1487.0	1217.9	1089.8	1050.4
77.5°	3912.9	1388.6	823.9	810.8	735.3	837.1	1286.8	1240.8	1020.9	873.2	850.2
80°	1309.8	804.2	594.2	571.2	489.1	587.6	906.0	991.4	801.0	646.7	607.3
82.5°	656.5	466.1	377.5	341.4	328.3	370.9	535.1	617.1	554.8	446.4	377.5
85°	321.7	265.9	206.8	203.5	170.7	160.8	223.2	262.6	249.5	183.8	174.0
87.5°	118.2	105.0	65.7	52.5	32.8	23.0	13.1	13.1	9.8	9.8	9.8
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)