

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: P635588

Luminaire Tested: GWS-SA3E-722-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635588  
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-SA3E-722-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

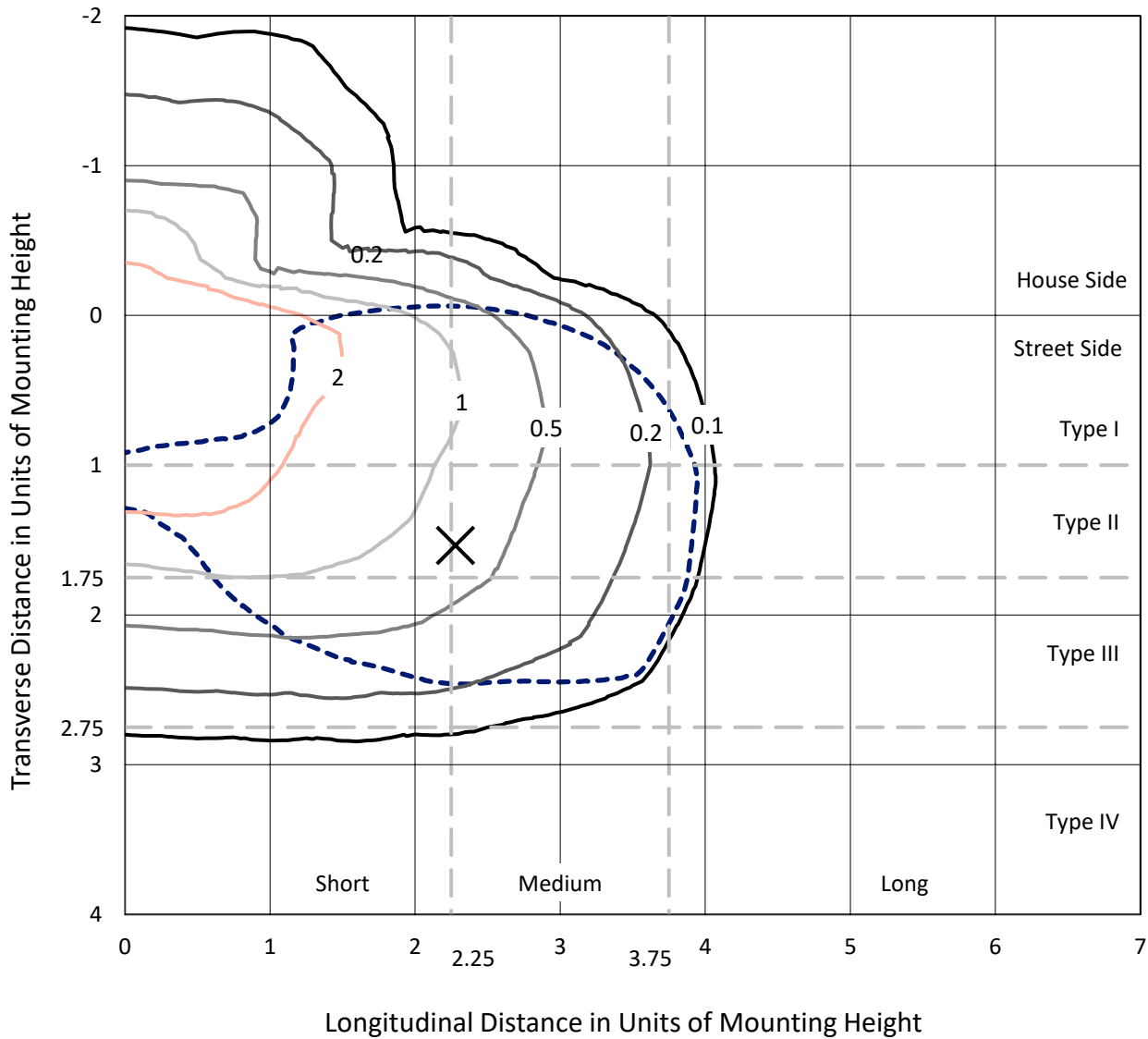
Lumens per Lamp: N/A  
Luminaire Lumens: 16467.7 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P635588  
 CATALOG NUMBER: GWS-SA3E-722-U-T3R-W

### Iso-Footcandle Lines of Horizontal Illumination

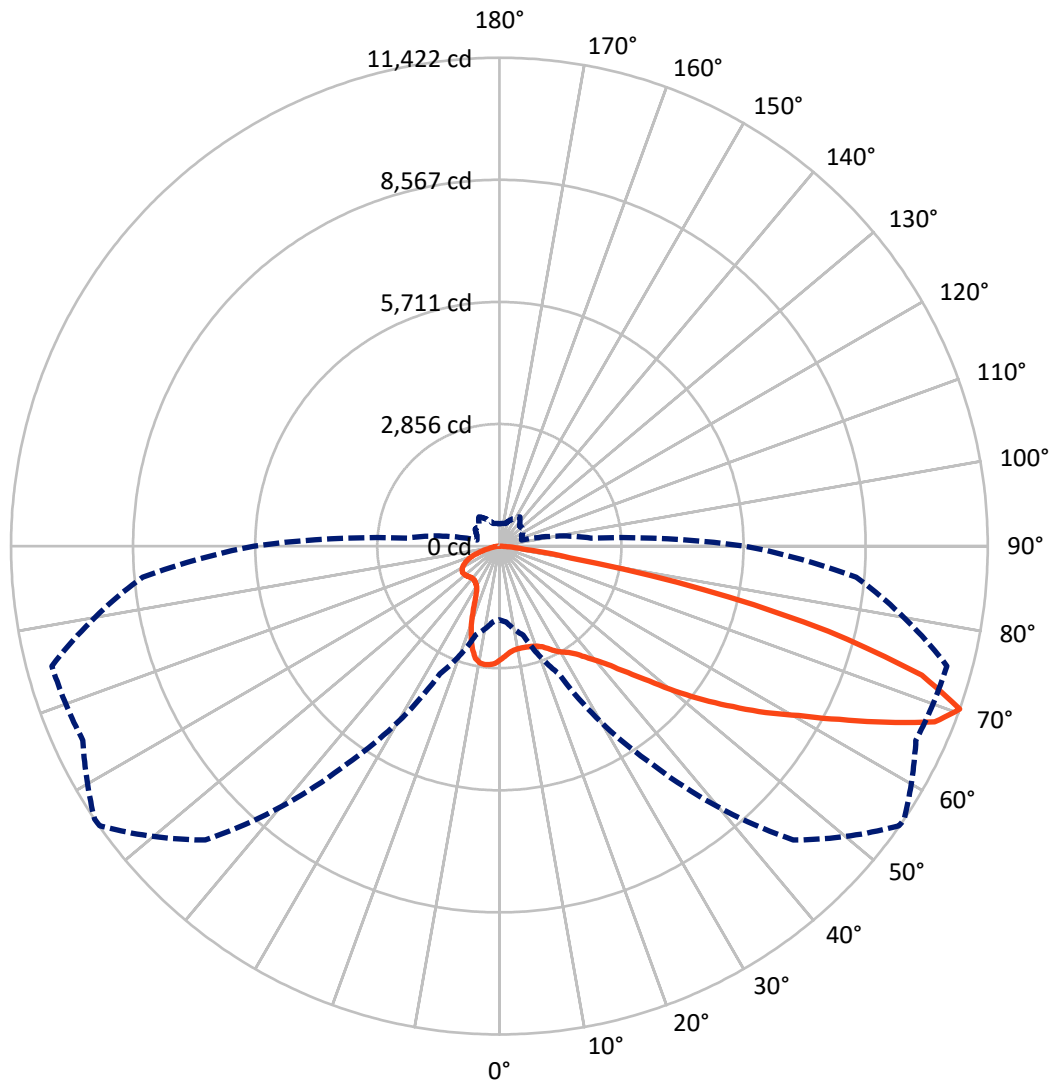
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P635588  
CATALOG NUMBER: GWS-SA3E-722-U-T3R-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P635588

CATALOG NUMBER: GWS-SA3E-722-U-T3R-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3165.9	0.0	3165.9
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	13301.8	0.0	13301.8
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	16467.7	0.0	16467.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.0	1.5
10°-20°	666.5	4.0
20°-30°	1101.9	6.7
30°-40°	1647.5	10.0
40°-50°	2451.7	14.9
50°-60°	3485.6	21.2
60°-70°	4317.0	26.2
70°-80°	2383.7	14.5
80°-90°	167.9	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°	16467.7	100.0
0°-180°	16467.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635588

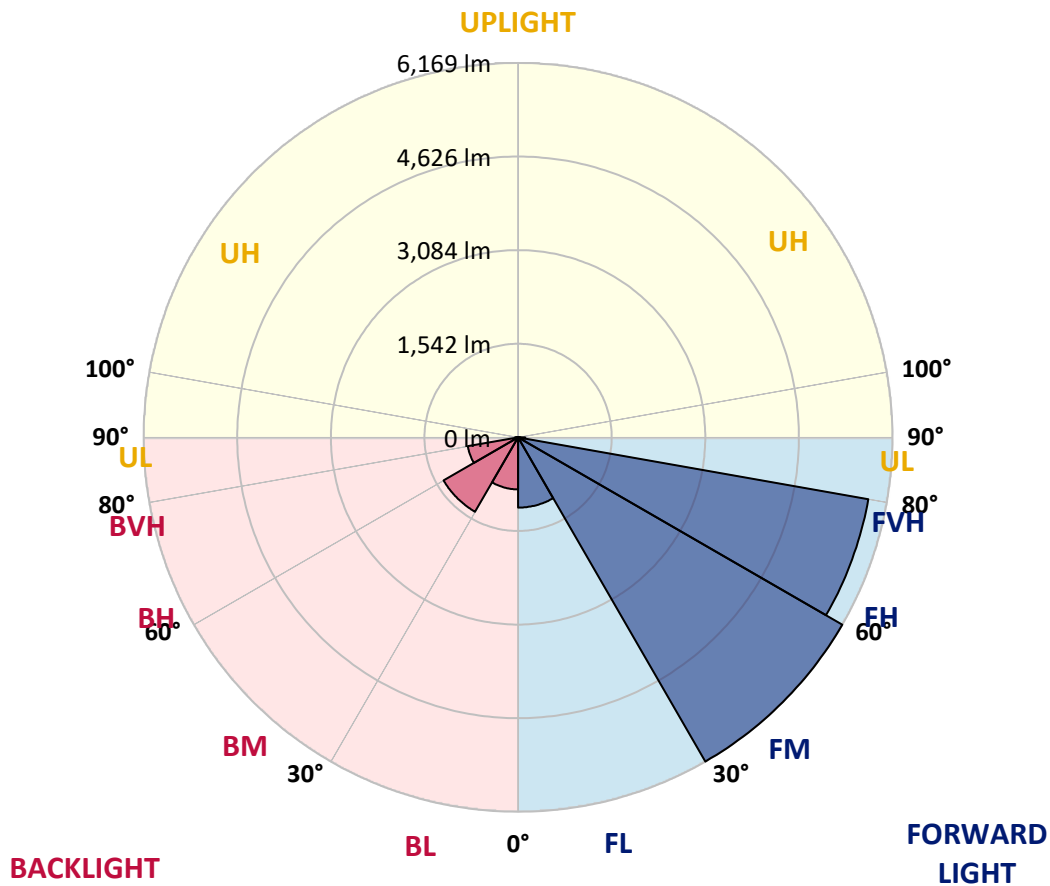
CATALOG NUMBER: GWS-SA3E-722-U-T3R-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1157.3	7.0			
FM (30°-60°)	6168.6	37.5			
FH (60°-80°)	5859.2	35.6			G3/7500
FVH (80°-90°)	116.7	0.7			G2/225
BL (0°-30°)	857.0	5.2	B2/1000		
BM (30°-60°)	1416.2	8.6	B2/2500		
BH (60°-80°)	841.5	5.1	B2/1000		G2/1000
BVH (80°-90°)	51.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





REPORT NUMBER: P635588  
 CATALOG NUMBER: GWS-SA3E-722-U-T3R-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1
2.5°	2487.4	2473.5	2489.8	2497.9	2518.8	2549.0	2575.7	2576.9	2590.8	2624.5	2657.0
5°	2374.8	2367.8	2372.5	2396.9	2418.9	2457.2	2497.9	2501.4	2540.9	2607.0	2672.1
7.5°	2287.7	2278.4	2295.8	2327.2	2355.0	2398.0	2451.4	2456.1	2511.8	2611.7	2711.6
10°	2162.3	2155.3	2187.8	2229.6	2290.0	2360.9	2431.7	2437.5	2510.7	2641.9	2781.2
12.5°	2107.7	2107.7	2121.6	2161.1	2227.3	2321.4	2428.2	2437.5	2529.2	2688.3	2870.7
15°	2192.5	2198.3	2186.7	2184.3	2211.1	2300.5	2432.9	2446.8	2564.1	2735.9	2958.9
17.5°	2363.2	2369.0	2338.8	2291.2	2264.5	2320.2	2450.3	2465.4	2601.2	2788.2	3054.1
20°	2602.4	2609.4	2543.2	2470.0	2378.3	2377.1	2484.0	2497.9	2648.8	2845.1	3155.2
22.5°	2882.3	2886.9	2803.3	2687.2	2546.7	2482.8	2542.0	2555.9	2710.4	2924.1	3264.3
25°	3206.3	3220.2	3119.2	2950.8	2760.3	2627.9	2638.4	2654.7	2820.7	3029.7	3393.2
27.5°	3552.3	3569.7	3453.6	3267.8	3005.4	2788.2	2762.7	2776.6	2938.0	3094.8	3461.7
30°	3906.5	3919.3	3803.1	3590.6	3269.0	2969.4	2867.2	2875.3	2989.1	3126.1	3531.4
32.5°	4300.2	4289.7	4178.2	3933.2	3573.2	3186.5	2964.7	2962.4	3046.0	3188.8	3631.3
35°	4669.5	4684.6	4566.1	4295.5	3907.7	3454.8	3111.0	3101.7	3166.8	3291.0	3771.8
37.5°	5116.5	5111.9	4970.2	4677.6	4243.3	3711.4	3316.6	3300.3	3323.5	3450.1	3968.0
40°	5435.9	5468.4	5376.7	5103.8	4635.8	4027.3	3557.0	3521.0	3526.8	3646.4	4230.5
42.5°	5697.2	5727.4	5736.7	5562.5	5085.2	4417.5	3856.6	3820.6	3824.1	3993.6	4553.3
45°	5898.1	5938.7	6069.9	6018.8	5591.5	4868.0	4261.8	4224.7	4227.0	4415.1	4943.5
47.5°	5980.5	6024.7	6290.6	6412.5	6129.2	5406.9	4765.8	4711.3	4719.4	4927.3	5389.4
50°	5953.8	6013.0	6373.0	6715.6	6579.7	5955.0	5368.5	5330.2	5298.9	5600.8	5873.7
52.5°	5723.9	5788.9	6364.9	6908.4	6947.9	6472.9	5991.0	5968.9	5961.9	6316.1	6414.8
55°	5046.9	5156.0	6085.0	6959.5	7235.9	6960.6	6665.7	6628.5	6664.5	7082.6	6961.8
57.5°	4671.8	4753.1	5536.9	6902.6	7471.6	7425.1	7339.2	7342.7	7383.3	7915.2	7624.9
60°	4458.1	4553.3	5232.7	6747.0	7698.0	7989.5	8044.1	8044.1	8117.3	8812.9	8298.4
62.5°	4174.8	4271.1	4948.2	6447.4	7907.1	8653.8	8930.1	8926.7	8955.7	9775.5	8956.9
65°	3599.9	3689.3	4376.8	5974.7	8009.3	9385.4	9937.0	9926.5	9868.4	10632.6	9392.3
67.5°	2614.0	2698.8	3352.6	5075.9	7641.1	9975.3	10974.0	10978.6	10631.4	11172.5	9415.6
70°	1723.3	1781.4	2155.3	3296.8	6213.9	9721.0	11408.3	11422.2	10748.7	10835.8	8379.7
72.5°	1075.3	1116.0	1345.9	1966.0	3671.9	7694.6	10293.5	10331.8	9669.9	9522.4	6885.2
75°	714.2	742.0	895.3	1146.2	1698.9	4164.3	7824.6	7947.7	7750.3	7464.6	4797.2
77.5°	429.7	452.9	570.2	728.1	752.5	1626.9	4567.3	4885.5	4913.3	3897.2	2009.0
80°	196.3	223.0	314.7	415.7	400.6	566.7	1610.7	1685.0	1988.1	1237.9	634.1
82.5°	116.1	127.7	209.0	206.7	170.7	275.2	579.5	594.6	505.2	452.9	270.6
85°	46.5	54.6	88.3	77.8	62.7	89.4	218.3	228.8	219.5	197.4	99.9
87.5°	0.0	0.0	0.0	0.0	1.2	2.3	19.7	20.9	30.2	54.6	30.2
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: P635588  
 CATALOG NUMBER: GWS-SA3E-722-U-T3R-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1	2658.1
2.5°	2677.9	2670.9	2705.8	2732.5	2744.1	2755.7	2745.2	2741.8	2741.8	2718.5	2706.9
5°	2706.9	2710.4	2758.0	2780.1	2780.1	2770.8	2742.9	2723.2	2716.2	2686.0	2677.9
7.5°	2761.5	2776.6	2820.7	2819.6	2787.0	2735.9	2666.3	2612.9	2564.1	2543.2	2530.4
10°	2850.9	2870.7	2900.8	2852.1	2761.5	2626.8	2479.3	2363.2	2293.5	2237.8	2237.8
12.5°	2953.1	2971.7	2965.9	2853.2	2666.3	2414.3	2201.8	2068.2	1970.7	1919.6	1919.6
15°	3055.3	3070.4	3007.7	2799.8	2467.7	2132.1	1899.8	1739.6	1654.8	1607.2	1607.2
17.5°	3158.6	3157.5	3025.1	2676.7	2208.7	1819.7	1592.1	1467.8	1438.8	1430.7	1429.5
20°	3258.5	3231.8	3003.0	2471.2	1908.0	1505.0	1361.0	1369.1	1412.1	1430.7	1433.0
22.5°	3371.2	3305.0	2938.0	2208.7	1566.5	1286.7	1296.0	1363.3	1426.0	1453.9	1457.4
25°	3486.1	3367.7	2828.8	1901.0	1280.9	1206.6	1278.6	1354.0	1424.9	1460.9	1464.4
27.5°	3532.6	3367.7	2643.0	1544.5	1128.8	1172.9	1251.8	1325.0	1399.3	1441.1	1449.3
30°	3570.9	3338.6	2382.9	1222.8	1066.0	1140.4	1208.9	1276.2	1349.4	1400.5	1409.8
32.5°	3624.3	3313.1	2068.2	1027.7	1037.0	1109.0	1156.6	1213.5	1279.7	1313.4	1309.9
35°	3687.0	3273.6	1688.5	934.8	1012.6	1082.3	1116.0	1149.7	1119.5	1118.3	1121.8
37.5°	3776.4	3238.8	1357.5	893.0	996.4	1063.7	1091.6	1019.6	977.8	960.4	953.4
40°	3905.3	3224.8	1070.7	868.6	994.0	1062.6	1042.8	931.3	874.4	814.0	812.9
42.5°	4067.9	3214.4	884.9	857.0	1002.2	1089.3	975.5	873.3	756.0	729.3	727.0
45°	4276.9	3198.1	792.0	854.7	1021.9	1110.2	968.5	793.1	713.0	701.4	701.4
47.5°	4528.9	3172.6	750.2	854.7	1044.0	1100.9	947.6	775.7	693.3	706.1	714.2
50°	4818.1	3140.1	728.1	852.4	1066.0	1100.9	903.5	772.2	688.6	754.8	781.5
52.5°	5127.0	3102.9	713.0	843.1	1081.1	1102.0	905.8	783.9	693.3	766.4	788.5
55°	5468.4	3097.1	692.1	823.3	1085.8	1071.8	911.6	809.4	700.2	694.4	695.6
57.5°	5899.2	3166.8	677.0	794.3	1067.2	1010.3	923.2	828.0	692.1	693.3	701.4
60°	6349.8	3298.0	689.8	766.4	1028.9	952.2	931.3	818.7	652.6	634.1	636.4
62.5°	6733.0	3397.9	700.2	753.7	973.1	901.1	923.2	797.8	630.6	625.9	636.4
65°	6893.3	3315.4	674.7	727.0	891.9	838.4	905.8	771.1	612.0	594.6	595.7
67.5°	6715.6	2928.7	624.8	667.7	800.1	758.3	877.9	736.2	586.4	565.5	560.9
70°	5736.7	2151.8	538.8	573.7	688.6	664.2	835.0	691.0	545.8	530.7	520.2
72.5°	4623.0	1523.6	447.1	456.4	540.0	559.7	760.6	634.1	499.3	456.4	441.3
75°	3217.9	956.9	372.8	363.5	390.2	427.3	593.4	526.1	430.8	385.5	371.6
77.5°	1384.2	491.2	291.5	286.8	260.1	296.1	455.2	439.0	361.2	308.9	300.8
80°	463.3	284.5	210.2	202.1	173.0	207.9	320.5	350.7	283.3	228.8	214.8
82.5°	232.3	164.9	133.5	120.8	116.1	131.2	189.3	218.3	196.3	157.9	133.5
85°	113.8	94.1	73.2	72.0	60.4	56.9	79.0	92.9	88.3	65.0	61.5
87.5°	41.8	37.2	23.2	18.6	11.6	8.1	4.6	4.6	3.5	3.5	3.5
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)