

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: P641512

Luminaire Tested: GWS-SA6B-722-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

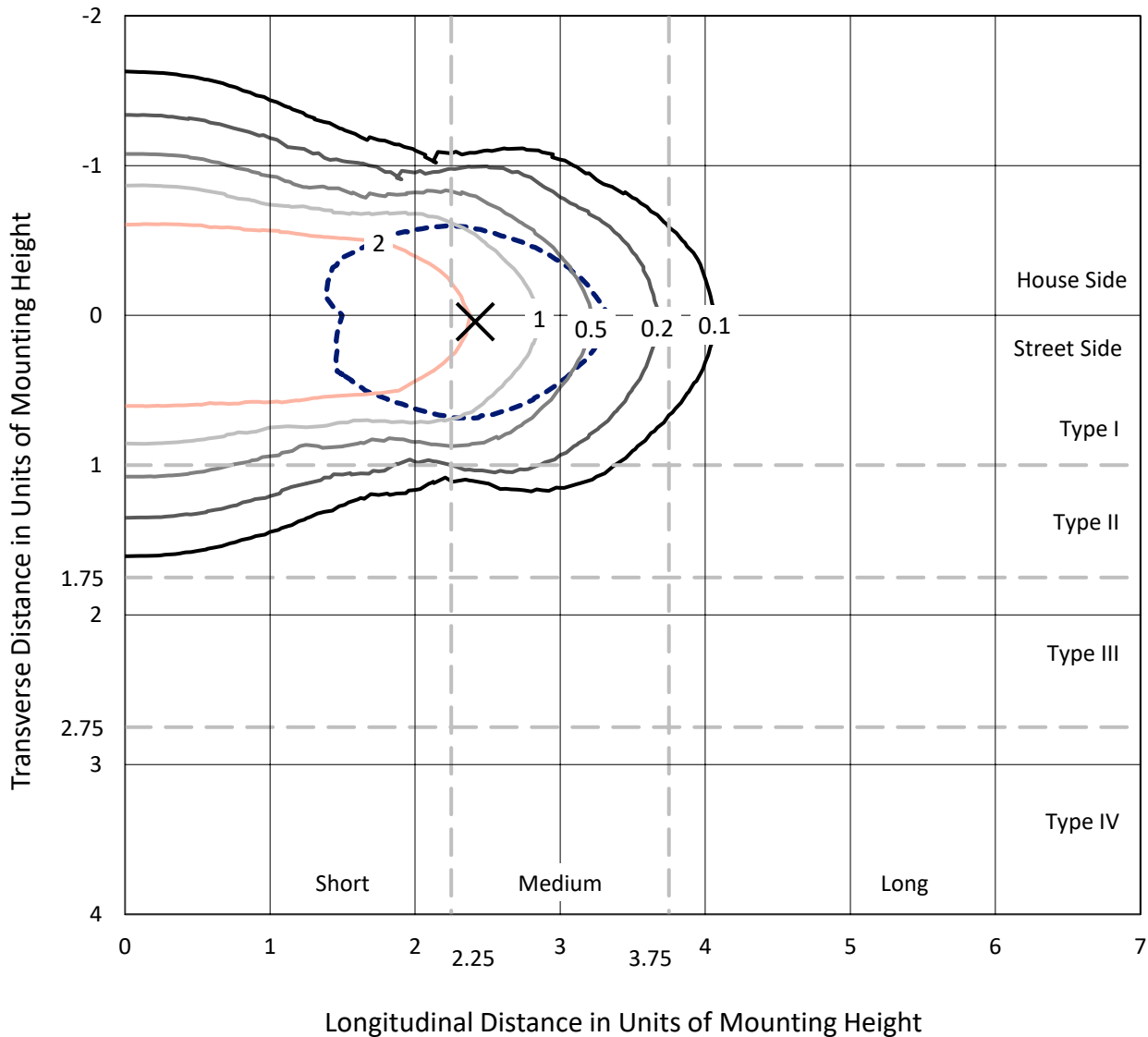
Lumens per Lamp: N/A  
Luminaire Lumens: 15567.1 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

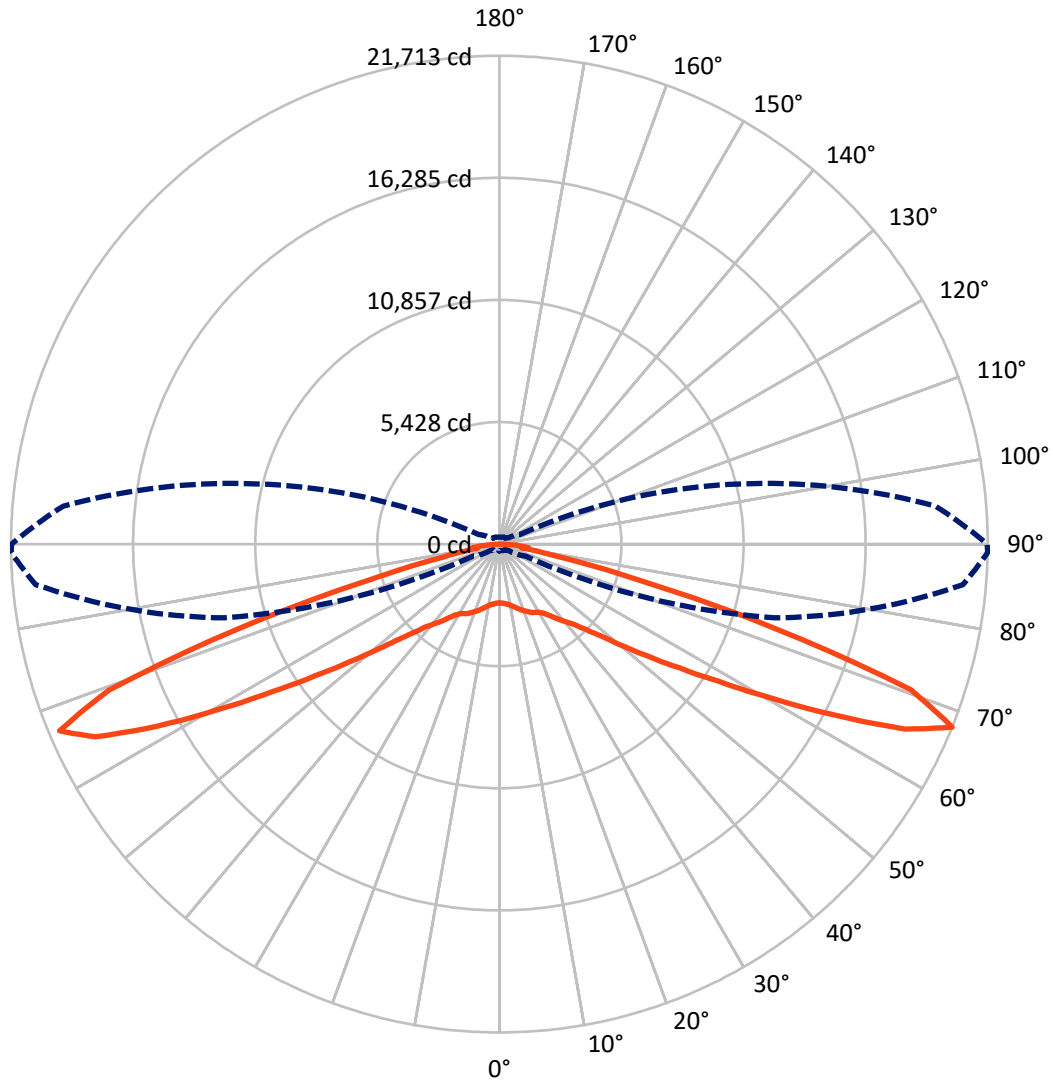
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type I - Medium - N/A

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CATALOG NUMBER: GWS-SA6B-722-U-T1-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P641512

CATALOG NUMBER: GWS-SA6B-722-U-T1-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7715.3	0.0	7715.3
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	7851.8	0.0	7851.8
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	15567.1	0.0	15567.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	262.1	1.7
10°-20°	853.4	5.5
20°-30°	1442.6	9.3
30°-40°	1979.8	12.7
40°-50°	2524.7	16.2
50°-60°	3167.6	20.3
60°-70°	3820.4	24.5
70°-80°	1382.1	8.9
80°-90°	134.4	0.9
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°	15567.1	100.0
0°-180°	15567.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641512

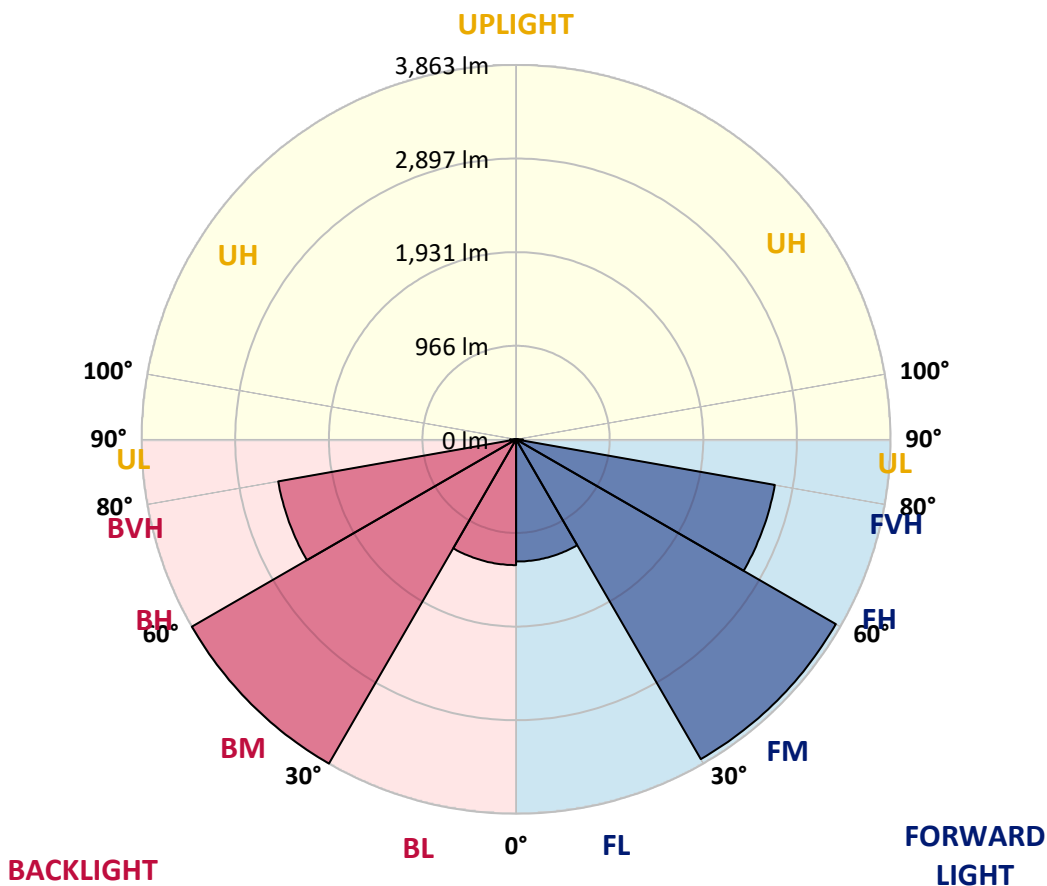
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1260.8	8.1			
FM (30°-60°)	3809.6	24.5			
FH (60°-80°)	2710.5	17.4			G2/5000
FVH (80°-90°)	70.9	0.5			G1/100
BL (0°-30°)	1297.3	8.3	B3/2500		
BM (30°-60°)	3862.5	24.8	B3/5000		
BH (60°-80°)	2492.0	16.0	B3/2500		G3/2500
BVH (80°-90°)	63.5	0.4			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 I Medium





REPORT NUMBER: P641512  
 CATALOG NUMBER: GWS-SA6B-722-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8
2.5°	2620.6	2618.4	2612.8	2629.6	2626.2	2627.3	2634.1	2629.6	2621.8	2608.3	2627.3
5°	2694.4	2693.3	2681.0	2691.1	2679.9	2672.1	2670.9	2659.8	2650.8	2636.3	2656.4
7.5°	2766.0	2764.9	2754.8	2772.7	2763.7	2754.8	2744.7	2722.4	2701.1	2679.9	2702.3
10°	2820.8	2819.6	2817.4	2843.1	2845.4	2848.7	2844.2	2806.2	2769.3	2743.6	2766.0
12.5°	2852.1	2855.4	2861.0	2908.0	2931.4	2953.8	2959.4	2928.1	2866.6	2829.7	2856.5
15°	2830.8	2837.5	2865.5	2950.5	3015.3	3065.6	3086.9	3061.1	2981.8	2920.3	2950.5
17.5°	2729.1	2734.7	2789.5	2919.1	3062.3	3178.5	3213.2	3197.5	3109.2	3034.3	3063.4
20°	2588.2	2600.5	2659.8	2840.9	3054.4	3256.8	3349.6	3344.0	3247.8	3132.7	3167.4
22.5°	2460.8	2475.3	2537.9	2738.0	3001.9	3276.9	3487.1	3501.6	3374.2	3231.1	3259.0
25°	2317.7	2331.1	2411.6	2616.2	2911.3	3261.3	3604.5	3670.5	3517.3	3344.0	3369.7
27.5°	2171.2	2181.3	2260.6	2478.6	2792.8	3232.2	3697.3	3856.1	3658.2	3422.3	3440.1
30°	2042.6	2056.0	2128.7	2341.1	2663.1	3174.1	3773.3	4053.9	3820.3	3510.6	3525.1
32.5°	1918.5	1929.7	2009.1	2205.9	2525.6	3084.6	3841.5	4286.5	4060.6	3674.9	3674.9
35°	1762.0	1782.1	1871.6	2076.2	2395.9	2966.1	3890.7	4557.0	4389.3	3917.5	3918.7
37.5°	1617.8	1629.0	1722.9	1929.7	2259.5	2831.9	3895.2	4837.7	4805.2	4226.1	4228.4
40°	1453.4	1468.0	1568.6	1773.2	2103.0	2691.1	3852.7	5099.3	5241.3	4543.6	4531.3
42.5°	1286.8	1308.1	1404.2	1604.4	1934.2	2518.9	3739.8	5348.6	5794.7	4911.5	4881.3
45°	1125.8	1139.3	1235.4	1424.4	1740.8	2313.2	3558.7	5587.9	6452.1	5470.5	5426.9
47.5°	944.7	950.3	1049.8	1230.9	1540.6	2084.0	3299.3	5801.4	7174.3	6210.6	6135.7
50°	783.7	791.6	869.8	1025.2	1295.8	1812.3	2976.2	5926.6	8094.5	7220.2	7090.5
52.5°	633.9	641.7	704.4	828.5	1071.1	1502.6	2575.9	5897.6	9028.0	8473.5	8284.5
55°	512.1	517.6	560.1	657.4	843.0	1195.2	2103.0	5637.1	10064.4	10110.3	9703.3
57.5°	432.7	434.9	464.0	523.2	658.5	921.2	1623.4	5022.1	11151.1	12198.7	11530.1
60°	386.8	388.0	401.4	438.3	519.9	703.2	1189.6	4042.8	12277.0	14811.5	13894.8
62.5°	357.8	357.8	368.9	390.2	431.6	541.1	874.3	2903.5	13085.3	17654.7	16743.5
65°	329.8	329.8	337.6	355.5	377.9	441.6	656.3	1872.7	13482.2	20031.6	19829.2
67.5°	294.0	295.2	300.7	319.8	339.9	368.9	497.5	1266.7	12658.2	20689.0	21713.1
70°	260.5	261.6	269.4	281.7	298.5	318.6	389.1	873.2	9213.6	17230.9	19414.4
72.5°	223.6	228.1	233.7	247.1	257.1	271.7	317.5	565.7	5360.9	11084.0	12833.7
75°	183.4	188.9	195.7	209.1	215.8	221.4	261.6	403.6	2579.3	5616.9	6396.2
77.5°	142.0	147.6	155.4	167.7	172.2	178.9	200.1	291.8	1235.4	2489.8	2684.4
80°	95.0	97.3	104.0	118.5	126.3	130.8	147.6	199.0	536.6	999.5	990.6
82.5°	58.1	59.3	61.5	70.4	73.8	78.3	96.1	121.9	256.0	1135.9	1302.5
85°	21.2	20.1	19.0	24.6	29.1	33.5	44.7	61.5	111.8	780.4	873.2
87.5°	0.0	0.0	0.0	1.1	2.2	2.2	4.5	8.9	26.8	291.8	200.1
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: P641512  
 CATALOG NUMBER: GWS-SA6B-722-U-T1-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8	2612.8
2.5°	2621.8	2609.5	2625.1	2636.3	2660.9	2669.8	2672.1	2664.2	2664.2	2650.8	2653.1
5°	2651.9	2644.1	2669.8	2688.8	2724.6	2738.0	2747.0	2741.4	2744.7	2735.8	2738.0
7.5°	2697.8	2691.1	2735.8	2772.7	2809.6	2825.2	2833.1	2828.6	2829.7	2818.5	2821.9
10°	2761.5	2763.7	2817.4	2865.5	2914.7	2930.3	2933.7	2920.3	2909.1	2889.0	2890.1
12.5°	2848.7	2859.9	2935.9	2989.6	3039.9	3062.3	3037.7	2988.5	2942.6	2908.0	2903.5
15°	2943.7	2963.9	3073.4	3141.6	3196.4	3185.2	3112.6	3001.9	2911.3	2859.9	2849.8
17.5°	3057.8	3088.0	3225.5	3307.1	3354.1	3282.5	3130.5	2965.0	2838.7	2769.3	2755.9
20°	3165.1	3213.2	3386.5	3492.7	3498.3	3337.3	3122.6	2890.1	2731.3	2646.4	2628.5
22.5°	3263.5	3325.0	3555.3	3690.6	3617.9	3361.9	3074.6	2783.9	2601.6	2502.1	2486.5
25°	3370.8	3458.0	3752.1	3878.4	3737.5	3351.8	2973.9	2651.9	2445.1	2343.4	2332.2
27.5°	3444.6	3554.2	3950.0	4070.7	3835.9	3294.8	2844.2	2507.7	2302.0	2205.9	2190.2
30°	3529.6	3669.3	4168.0	4279.8	3896.3	3211.0	2705.6	2373.6	2169.0	2065.0	2053.8
32.5°	3683.9	3859.4	4438.5	4501.1	3915.3	3107.0	2572.6	2243.9	2030.3	1926.3	1910.7
35°	3932.1	4137.8	4818.7	4748.2	3900.8	2992.9	2446.2	2091.8	1888.3	1791.1	1775.4
37.5°	4245.1	4501.1	5242.4	4970.7	3860.5	2867.7	2296.4	1964.4	1760.9	1662.5	1653.6
40°	4536.9	4852.2	5717.6	5163.0	3778.9	2713.4	2152.2	1831.3	1623.4	1519.4	1499.3
42.5°	4902.5	5321.8	6267.6	5329.6	3644.7	2529.0	1990.1	1667.0	1451.2	1357.3	1332.7
45°	5458.2	5979.2	6907.1	5489.5	3444.6	2302.0	1786.6	1466.8	1262.2	1166.1	1147.1
47.5°	6151.3	6800.9	7600.3	5584.5	3140.5	2062.7	1556.3	1255.5	1050.9	942.5	933.5
50°	7125.1	7996.1	8343.8	5567.7	2800.6	1778.8	1296.9	1004.0	832.9	754.7	742.4
52.5°	8311.4	9496.5	9147.6	5366.5	2439.5	1455.7	1010.7	788.2	660.7	604.8	594.8
55°	9799.4	11293.1	9994.0	4934.9	1983.4	1114.7	793.8	621.6	534.4	500.9	496.4
57.5°	11641.9	13619.7	10809.0	4208.2	1491.4	850.8	611.6	513.2	471.8	451.7	450.6
60°	14073.6	16089.4	11516.7	3270.2	1067.7	650.7	505.3	458.4	426.0	412.5	411.4
62.5°	16964.8	18332.2	11957.2	2227.1	802.7	518.8	445.0	415.9	396.9	389.1	388.0
65°	19936.5	19749.8	11747.0	1459.0	609.3	440.5	399.1	383.5	366.7	358.9	358.9
67.5°	21691.8	19450.2	10133.7	1012.9	483.0	386.8	360.0	345.5	317.5	310.8	310.8
70°	19213.2	15760.7	6642.2	741.2	391.3	338.8	313.0	292.9	281.7	275.0	273.9
72.5°	12707.4	10255.6	3531.8	514.3	326.5	288.4	265.0	257.1	243.7	237.0	235.9
75°	6324.6	5386.6	1810.1	371.2	271.7	231.4	221.4	218.0	206.8	197.9	195.7
77.5°	2636.3	2398.2	844.1	269.4	206.8	186.7	177.8	177.8	165.5	155.4	150.9
80°	993.9	885.5	399.1	184.5	153.2	138.6	133.0	128.6	118.5	106.2	99.5
82.5°	1329.3	868.7	195.7	115.2	100.6	89.4	81.6	78.3	72.7	67.1	62.6
85°	860.9	617.1	88.3	59.3	50.3	38.0	33.5	31.3	28.0	24.6	22.4
87.5°	175.5	206.8	26.8	11.2	6.7	3.4	3.4	1.1	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)