

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: P635258

Luminaire Tested: GWS-SA3D-735-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635258
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-SA3D-735-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17645 lumens
Efficiency: N/A
Efficacy: 146.1 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): 120.8
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

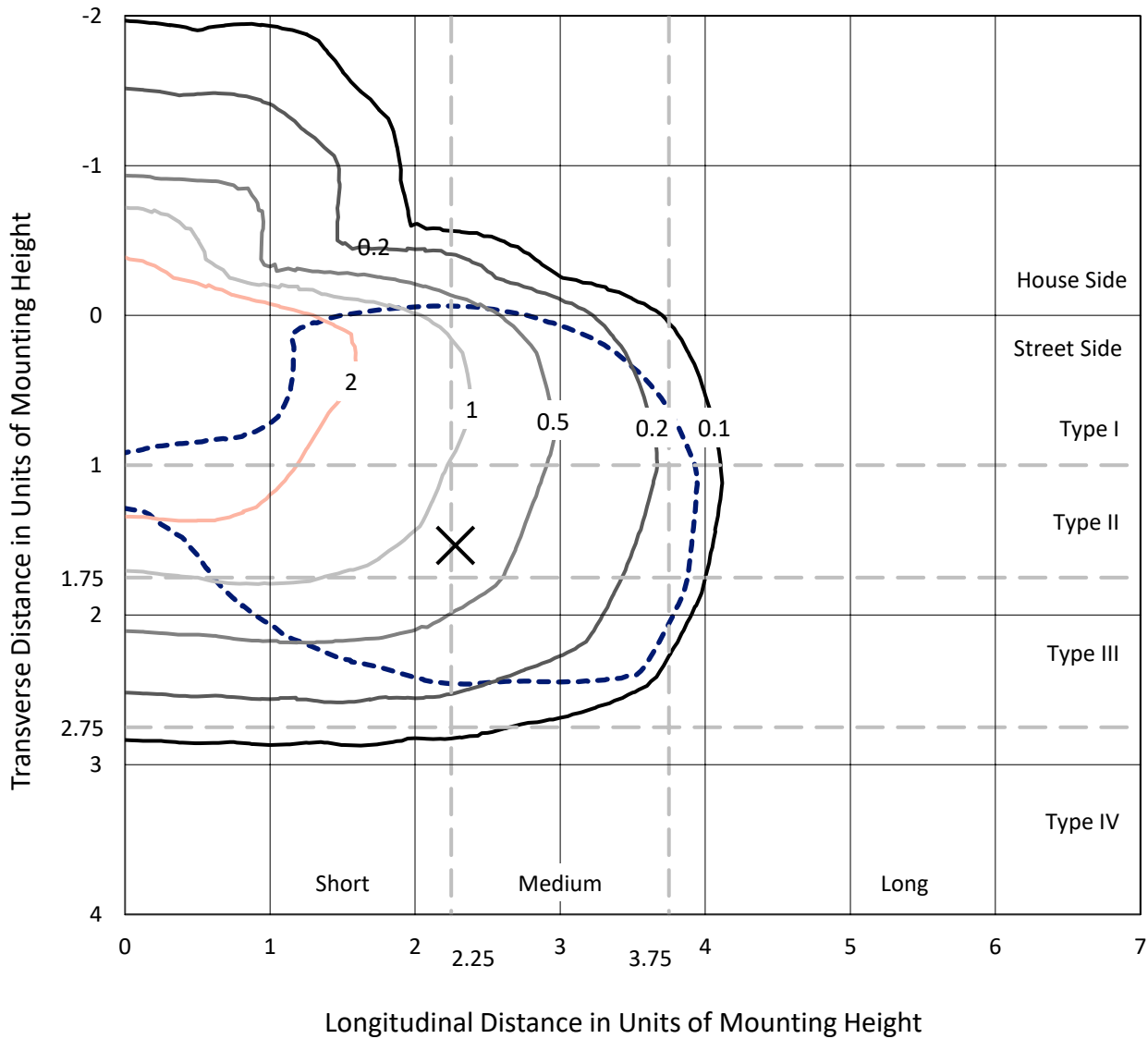


REPORT NUMBER: P635258

CATALOG NUMBER: GWS-SA3D-735-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

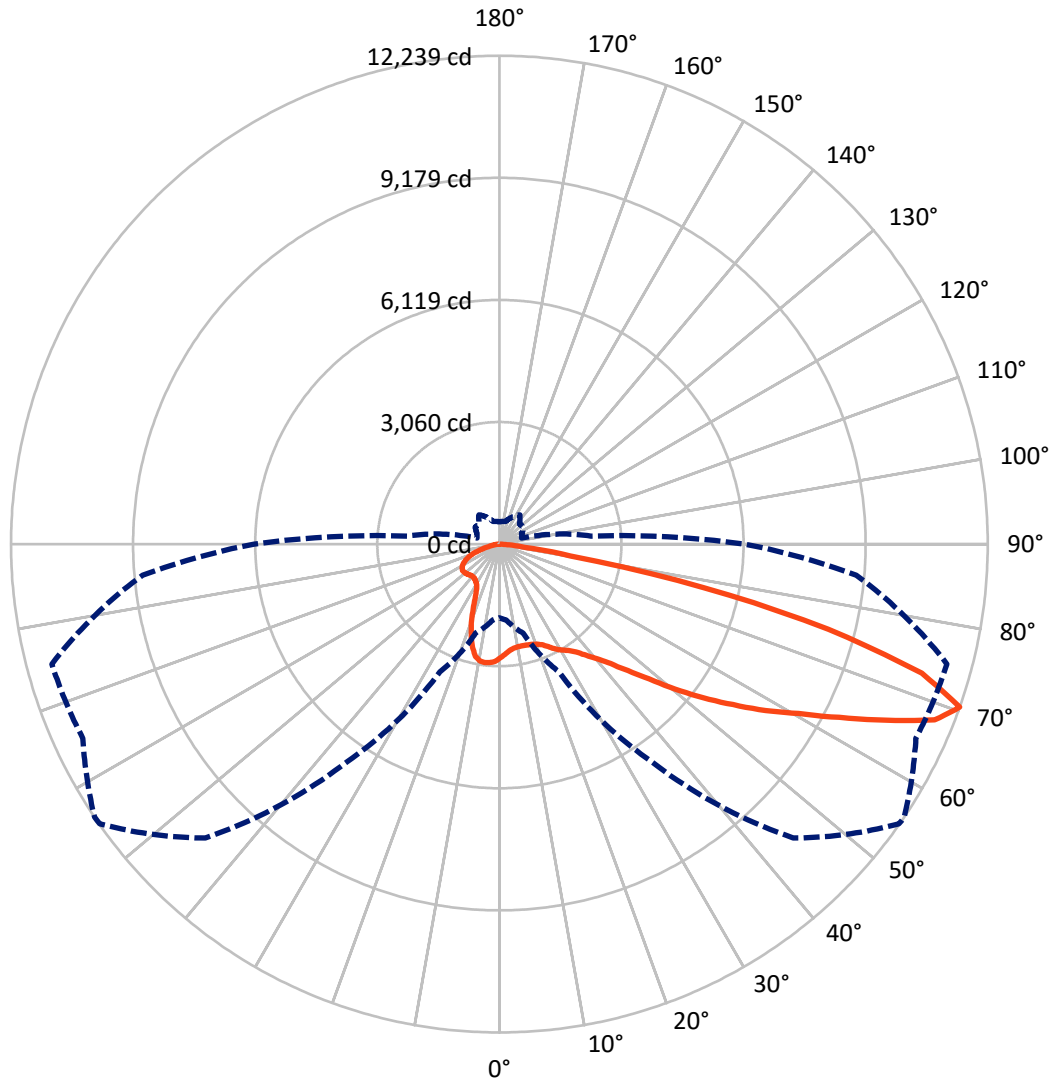
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P635258
CATALOG NUMBER: GWS-SA3D-735-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635258

CATALOG NUMBER: GWS-SA3D-735-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3392.3	0.0	3392.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	14252.7	0.0	14252.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	17645.0	0.0	17645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.6	1.5
10°-20°	714.1	4.0
20°-30°	1180.7	6.7
30°-40°	1765.3	10.0
40°-50°	2626.9	14.9
50°-60°	3734.8	21.2
60°-70°	4625.6	26.2
70°-80°	2554.1	14.5
80°-90°	179.9	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°	17645.0	100.0
0°-180°	17645.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635258

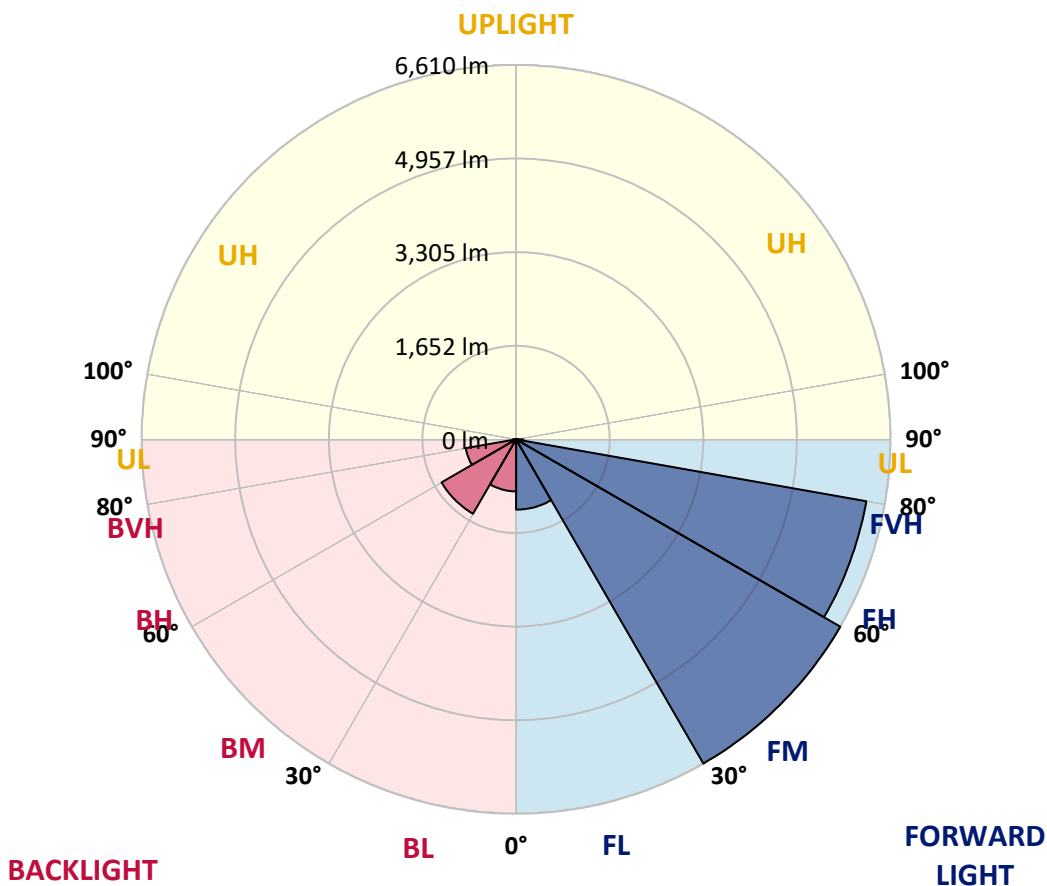
CATALOG NUMBER: GWS-SA3D-735-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1240.1	7.0			
FM (30°-60°)	6609.6	37.5			
FH (60°-80°)	6278.1	35.6			G3/7500
FVH (80°-90°)	125.0	0.7			G2/225
BL (0°-30°)	918.3	5.2	B2/1000		
BM (30°-60°)	1517.4	8.6	B2/2500		
BH (60°-80°)	901.6	5.1	B2/1000		G2/1000
BVH (80°-90°)	54.9	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: P635258
 CATALOG NUMBER: GWS-SA3D-735-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2
2.5°	2665.3	2650.3	2667.8	2676.5	2698.9	2731.2	2759.8	2761.1	2776.0	2812.1	2846.9
5°	2544.6	2537.1	2542.1	2568.2	2591.9	2632.9	2676.5	2680.2	2722.5	2793.4	2863.1
7.5°	2451.2	2441.3	2460.0	2493.6	2523.4	2569.5	2626.7	2631.7	2691.4	2798.4	2905.4
10°	2316.9	2309.4	2344.2	2389.0	2453.7	2529.6	2605.5	2611.8	2690.1	2830.8	2980.1
12.5°	2258.4	2258.4	2273.3	2315.6	2386.5	2487.3	2601.8	2611.8	2710.1	2880.5	3075.9
15°	2349.2	2355.4	2343.0	2340.5	2369.1	2464.9	2606.8	2621.7	2747.4	2931.5	3170.4
17.5°	2532.1	2538.3	2506.0	2455.0	2426.4	2486.1	2625.4	2641.6	2787.2	2987.5	3272.5
20°	2788.4	2795.9	2725.0	2646.6	2548.3	2547.1	2661.5	2676.5	2838.2	3048.5	3380.7
22.5°	3088.3	3093.3	3003.7	2879.3	2728.7	2660.3	2723.7	2738.7	2904.2	3133.1	3497.7
25°	3435.5	3450.4	3342.2	3161.7	2957.7	2815.8	2827.0	2844.4	3022.4	3246.3	3635.8
27.5°	3806.3	3824.9	3700.5	3501.4	3220.2	2987.5	2960.2	2975.1	3148.0	3316.0	3709.2
30°	4185.8	4199.5	4075.0	3847.3	3502.7	3181.6	3072.1	3080.9	3202.8	3349.6	3783.9
32.5°	4607.6	4596.4	4476.9	4214.4	3828.7	3414.3	3176.7	3174.2	3263.8	3416.8	3890.9
35°	5003.3	5019.5	4892.5	4602.6	4187.0	3701.8	3333.4	3323.5	3393.2	3526.3	4041.4
37.5°	5482.3	5477.4	5325.6	5012.0	4546.6	3976.7	3553.7	3536.3	3561.2	3696.8	4251.7
40°	5824.5	5859.4	5761.1	5468.6	4967.2	4315.2	3811.3	3772.7	3778.9	3907.1	4532.9
42.5°	6104.5	6136.8	6146.8	5960.1	5448.7	4733.3	4132.3	4093.7	4097.4	4279.1	4878.9
45°	6319.7	6363.3	6503.9	6449.1	5991.2	5216.1	4566.5	4526.7	4529.2	4730.8	5296.9
47.5°	6408.1	6455.4	6740.3	6871.0	6567.4	5793.4	5106.6	5048.1	5056.8	5279.5	5774.7
50°	6379.5	6442.9	6828.7	7195.7	7050.1	6380.7	5752.3	5711.3	5677.7	6001.2	6293.6
52.5°	6133.1	6202.8	6819.9	7402.3	7444.6	6935.7	6419.3	6395.6	6388.2	6767.7	6873.4
55°	5407.7	5524.6	6520.1	7457.0	7753.2	7458.3	7142.2	7102.4	7141.0	7588.9	7459.5
57.5°	5005.8	5092.9	5932.8	7396.0	8005.7	7956.0	7863.9	7867.6	7911.2	8481.1	8170.0
60°	4776.8	4878.9	5606.8	7229.3	8248.4	8560.7	8619.2	8619.2	8697.6	9442.9	8891.7
62.5°	4473.2	4576.5	5301.9	6908.3	8472.4	9272.4	9568.6	9564.8	9595.9	10474.4	9597.2
65°	3857.3	3953.1	4689.7	6401.9	8581.9	10056.3	10647.4	10636.2	10574.0	11392.7	10063.8
67.5°	2800.9	2891.7	3592.3	5438.8	8187.4	10688.4	11758.5	11763.5	11391.5	11971.3	10088.7
70°	1846.5	1908.7	2309.4	3532.5	6658.2	10415.9	12223.9	12238.8	11517.1	11610.4	8978.8
72.5°	1152.2	1195.8	1442.1	2106.6	3934.4	8244.6	11029.4	11070.4	10361.2	10203.2	7377.4
75°	765.2	795.1	959.3	1228.1	1820.4	4462.0	8384.0	8515.9	8304.4	7998.3	5140.2
77.5°	460.4	485.3	610.9	780.2	806.3	1743.2	4893.8	5234.7	5264.6	4175.8	2152.6
80°	210.3	238.9	337.2	445.5	429.3	607.2	1725.8	1805.5	2130.2	1326.4	679.4
82.5°	124.4	136.9	224.0	221.5	182.9	294.9	620.9	637.1	541.3	485.3	289.9
85°	49.8	58.5	94.6	83.4	67.2	95.8	233.9	245.1	235.2	211.5	107.0
87.5°	0.0	0.0	0.0	0.0	1.2	2.5	21.2	22.4	32.4	58.5	32.4
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: P635258
 CATALOG NUMBER: GWS-SA3D-735-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2	2848.2
2.5°	2869.3	2861.9	2899.2	2927.8	2940.3	2952.7	2941.5	2937.8	2937.8	2912.9	2900.4
5°	2900.4	2904.2	2955.2	2978.8	2978.8	2968.9	2939.0	2917.9	2910.4	2878.0	2869.3
7.5°	2958.9	2975.1	3022.4	3021.1	2986.3	2931.5	2856.9	2799.6	2747.4	2725.0	2711.3
10°	3054.7	3075.9	3108.2	3056.0	2958.9	2814.6	2656.6	2532.1	2457.5	2397.7	2397.7
12.5°	3164.2	3184.1	3177.9	3057.2	2856.9	2586.9	2359.2	2216.1	2111.6	2056.8	2056.8
15°	3273.7	3289.9	3222.7	3000.0	2644.1	2284.5	2035.7	1863.9	1773.1	1722.1	1722.1
17.5°	3384.5	3383.2	3241.4	2868.1	2366.6	1949.8	1705.9	1572.8	1541.7	1533.0	1531.7
20°	3491.5	3462.9	3217.7	2647.8	2044.4	1612.6	1458.3	1467.0	1513.1	1533.0	1535.5
22.5°	3612.2	3541.2	3148.0	2366.6	1678.5	1378.7	1388.6	1460.8	1528.0	1557.8	1561.6
25°	3735.4	3608.4	3031.1	2036.9	1372.4	1292.8	1370.0	1450.8	1526.7	1565.3	1569.0
27.5°	3785.1	3608.4	2832.0	1654.9	1209.4	1256.7	1341.3	1419.7	1499.4	1544.2	1552.9
30°	3826.2	3577.3	2553.3	1310.2	1142.3	1221.9	1295.3	1367.5	1445.9	1500.6	1510.6
32.5°	3883.4	3550.0	2216.1	1101.2	1111.1	1188.3	1239.3	1300.3	1371.2	1407.3	1403.6
35°	3950.6	3507.6	1809.2	1001.7	1085.0	1159.7	1195.8	1231.8	1199.5	1198.2	1202.0
37.5°	4046.4	3470.3	1454.6	956.9	1067.6	1139.8	1169.6	1092.5	1047.7	1029.0	1021.6
40°	4184.5	3455.4	1147.2	930.7	1065.1	1138.5	1117.4	997.9	936.9	872.2	871.0
42.5°	4358.7	3444.2	948.1	918.3	1073.8	1167.1	1045.2	935.7	810.0	781.4	778.9
45°	4582.7	3426.8	848.6	915.8	1095.0	1189.5	1037.7	849.8	764.0	751.5	751.5
47.5°	4852.7	3399.4	803.8	915.8	1118.6	1179.6	1015.3	831.2	742.8	756.5	765.2
50°	5162.5	3364.6	780.2	913.3	1142.3	1179.6	968.1	827.5	737.9	808.8	837.4
52.5°	5493.5	3324.7	764.0	903.4	1158.4	1180.8	970.5	839.9	742.8	821.2	844.9
55°	5859.4	3318.5	741.6	882.2	1163.4	1148.5	976.8	867.3	750.3	744.1	745.3
57.5°	6321.0	3393.2	725.4	851.1	1143.5	1082.5	989.2	887.2	741.6	742.8	751.5
60°	6803.8	3533.8	739.1	821.2	1102.4	1020.3	997.9	877.2	699.3	679.4	681.9
62.5°	7214.4	3640.8	750.3	807.5	1042.7	965.6	989.2	854.8	675.6	670.7	681.9
65°	7386.1	3552.4	722.9	778.9	955.6	898.4	970.5	826.2	655.7	637.1	638.3
67.5°	7195.7	3138.1	669.4	715.5	857.3	812.5	940.7	788.9	628.4	606.0	601.0
70°	6146.8	2305.7	577.3	614.7	737.9	711.7	894.6	740.4	584.8	568.6	557.4
72.5°	4953.5	1632.5	479.1	489.0	578.6	599.7	815.0	679.4	535.0	489.0	472.8
75°	3447.9	1025.3	399.4	389.5	418.1	457.9	635.8	563.7	461.6	413.1	398.2
77.5°	1483.2	526.3	312.3	307.3	278.7	317.3	487.8	470.3	387.0	331.0	322.3
80°	496.5	304.9	225.2	216.5	185.4	222.7	343.4	375.8	303.6	245.1	230.2
82.5°	248.9	176.7	143.1	129.4	124.4	140.6	202.8	233.9	210.3	169.2	143.1
85°	121.9	100.8	78.4	77.1	64.7	61.0	84.6	99.5	94.6	69.7	65.9
87.5°	44.8	39.8	24.9	19.9	12.4	8.7	5.0	5.0	3.7	3.7	3.7
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)