

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: P639383

Luminaire Tested: GWS-SA5B-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639383
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-SA5B-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18211.1 lumens
Efficiency: N/A
Efficacy: 157.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

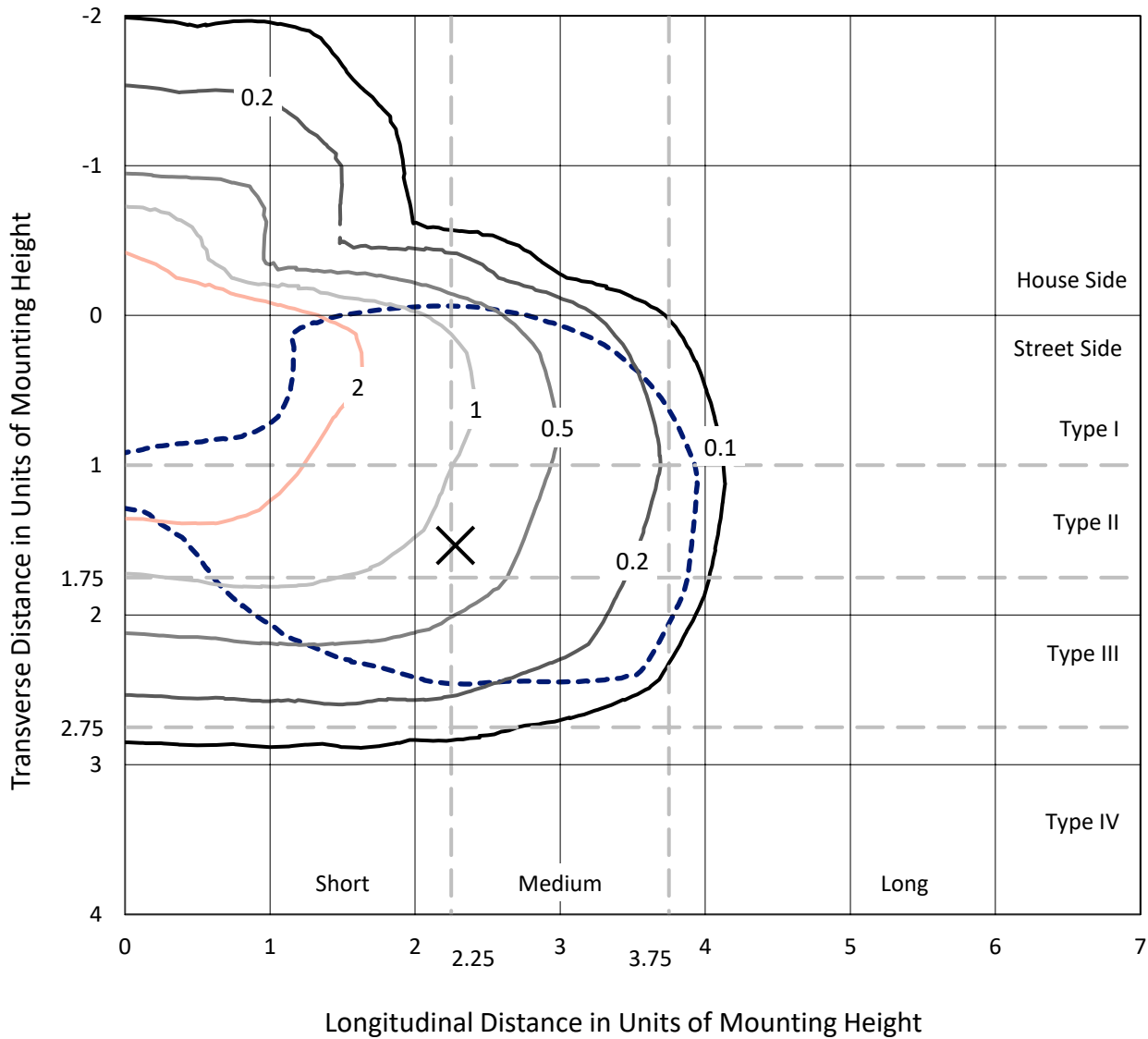
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639383
 CATALOG NUMBER: GWS-SA5B-760-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

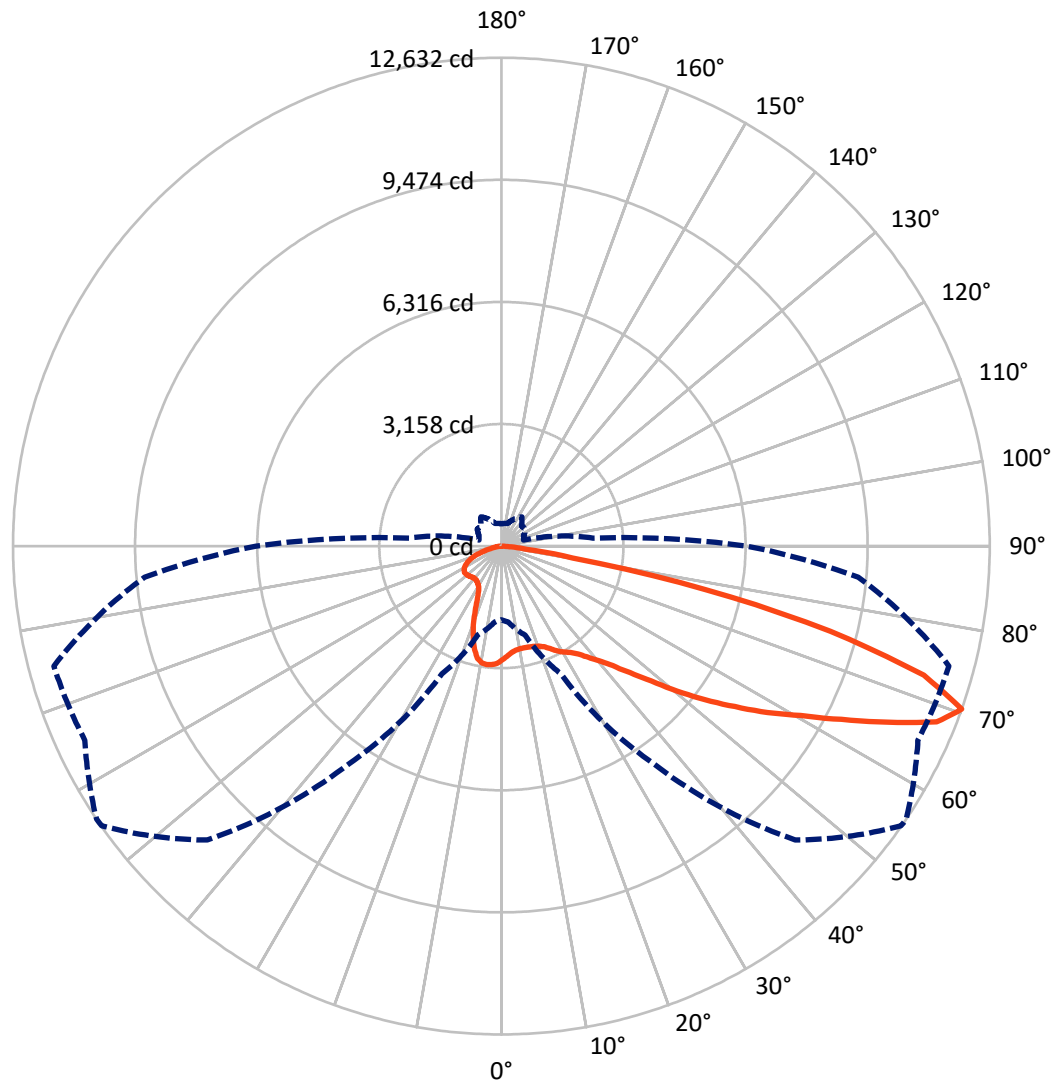
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P639383
CATALOG NUMBER: GWS-SA5B-760-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639383

CATALOG NUMBER: GWS-SA5B-760-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3501.1	0.0	3501.1
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	14710.0	0.0	14710.0
	% Fixture	80.8	0.0	80.8
Total	Lumens	18211.1	0.0	18211.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.0	1.5
10°-20°	737.1	4.0
20°-30°	1218.6	6.7
30°-40°	1821.9	10.0
40°-50°	2711.2	14.9
50°-60°	3854.6	21.2
60°-70°	4774.0	26.2
70°-80°	2636.1	14.5
80°-90°	185.6	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°	18211.1	100.0
0°-180°	18211.1	100.0

Coefficient of Utilization



REPORT NUMBER: P639383

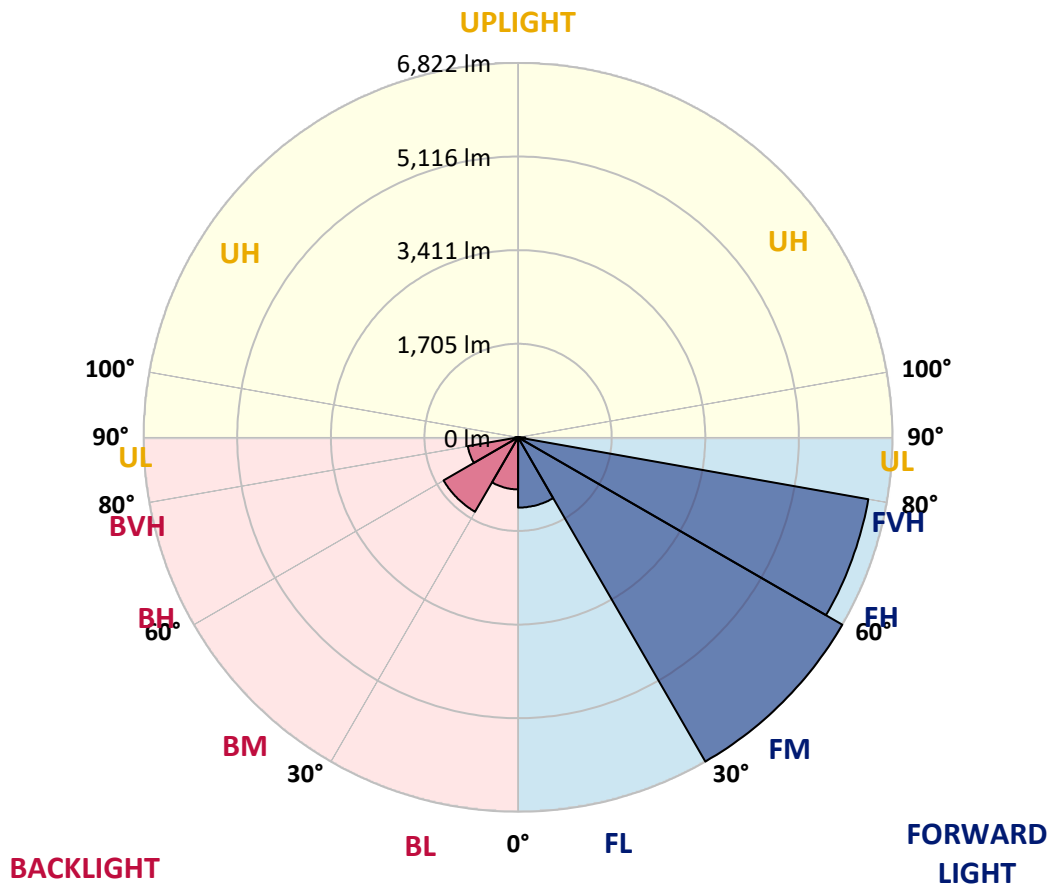
CATALOG NUMBER: GWS-SA5B-760-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1279.9	7.0			
FM (30°-60°)	6821.6	37.5			
FH (60°-80°)	6479.5	35.6			G3/7500
FVH (80°-90°)	129.0	0.7			G2/225
BL (0°-30°)	947.8	5.2	B2/1000		
BM (30°-60°)	1566.1	8.6	B2/2500		
BH (60°-80°)	930.6	5.1	B2/1000		G2/1000
BVH (80°-90°)	56.6	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: P639383
 CATALOG NUMBER: GWS-SA5B-760-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6
2.5°	2750.8	2735.4	2753.3	2762.3	2785.4	2818.8	2848.4	2849.7	2865.1	2902.3	2938.3
5°	2626.2	2618.5	2623.6	2650.6	2675.0	2717.4	2762.3	2766.2	2809.8	2883.0	2955.0
7.5°	2529.9	2519.6	2538.9	2573.6	2604.4	2651.9	2711.0	2716.1	2777.7	2888.2	2998.6
10°	2391.2	2383.5	2419.4	2465.7	2532.5	2610.8	2689.1	2695.6	2776.5	2921.6	3075.7
12.5°	2330.8	2330.8	2346.2	2389.9	2463.1	2567.1	2685.3	2695.6	2797.0	2972.9	3174.6
15°	2424.6	2431.0	2418.2	2415.6	2445.1	2544.0	2690.4	2705.8	2835.5	3025.6	3272.2
17.5°	2613.4	2619.8	2586.4	2533.7	2504.2	2565.8	2709.7	2726.4	2876.6	3083.4	3377.5
20°	2877.9	2885.6	2812.4	2731.5	2630.1	2628.8	2746.9	2762.3	2929.3	3146.3	3489.2
22.5°	3187.4	3192.5	3100.1	2971.7	2816.3	2745.6	2811.1	2826.5	2997.3	3233.6	3609.9
25°	3545.7	3561.1	3449.4	3263.2	3052.6	2906.2	2917.7	2935.7	3119.3	3350.5	3752.5
27.5°	3928.4	3947.7	3819.2	3613.8	3323.5	3083.4	3055.1	3070.5	3249.0	3422.4	3828.2
30°	4320.1	4334.2	4205.8	3970.8	3615.0	3283.7	3170.7	3179.7	3305.6	3457.1	3905.3
32.5°	4755.4	4743.9	4620.6	4349.6	3951.5	3523.9	3278.6	3276.0	3368.5	3526.4	4015.7
35°	5163.8	5180.5	5049.5	4750.3	4321.4	3820.5	3440.4	3430.1	3502.0	3639.4	4171.1
37.5°	5658.2	5653.1	5496.4	5172.8	4692.5	4104.3	3667.7	3649.7	3675.4	3815.4	4388.1
40°	6011.4	6047.3	5945.9	5644.1	5126.6	4453.6	3933.5	3893.7	3900.1	4032.4	4678.4
42.5°	6300.3	6333.7	6344.0	6151.4	5623.5	4885.1	4264.9	4225.0	4228.9	4416.4	5035.4
45°	6522.5	6567.4	6712.6	6656.0	6183.5	5383.4	4713.0	4671.9	4674.5	4882.6	5466.9
47.5°	6613.7	6662.5	6956.6	7091.4	6778.0	5979.3	5270.4	5210.0	5219.0	5448.9	5960.0
50°	6584.1	6649.6	7047.7	7426.6	7276.3	6585.4	5936.9	5894.5	5859.8	6193.7	6495.5
52.5°	6329.9	6401.8	7038.7	7639.8	7683.4	7158.2	6625.2	6600.8	6593.1	6984.8	7094.0
55°	5581.2	5701.9	6729.2	7696.3	8001.9	7697.5	7371.4	7330.3	7370.1	7832.4	7698.8
57.5°	5166.4	5256.3	6123.1	7633.3	8262.6	8211.2	8116.2	8120.0	8165.0	8753.2	8432.1
60°	4930.1	5035.4	5786.6	7461.2	8513.0	8835.3	8895.7	8895.7	8976.6	9745.9	9176.9
62.5°	4616.7	4723.3	5472.0	7129.9	8744.2	9569.9	9875.6	9871.7	9903.8	10810.5	9905.1
65°	3981.0	4079.9	4840.2	6607.2	8857.2	10379.0	10989.0	10977.4	10913.2	11758.2	10386.7
67.5°	2890.8	2984.5	3707.5	5613.3	8450.1	11031.3	12135.8	12140.9	11756.9	12355.4	10412.4
70°	1905.8	1970.0	2383.5	3645.9	6871.8	10750.1	12616.1	12631.5	11886.6	11982.9	9266.8
72.5°	1189.2	1234.1	1488.4	2174.2	4060.7	8509.2	11383.2	11425.6	10693.6	10530.5	7614.1
75°	789.8	820.6	990.1	1267.5	1878.8	4605.2	8653.0	8789.1	8570.8	8254.9	5305.1
77.5°	475.2	500.8	630.5	805.2	832.2	1799.2	5050.8	5402.7	5433.5	4309.8	2221.7
80°	217.0	246.6	348.0	459.7	443.1	626.7	1781.2	1863.4	2198.6	1369.0	701.2
82.5°	128.4	141.3	231.2	228.6	188.8	304.4	640.8	657.5	558.6	500.8	299.2
85°	51.4	60.4	97.6	86.0	69.3	98.9	241.4	253.0	242.7	218.3	110.4
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	21.8	23.1	33.4	60.4	33.4
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: P639383
 CATALOG NUMBER: GWS-SA5B-760-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6	2939.6
2.5°	2961.4	2953.7	2992.2	3021.7	3034.6	3047.4	3035.9	3032.0	3032.0	3006.3	2993.5
5°	2993.5	2997.3	3050.0	3074.4	3074.4	3064.1	3033.3	3011.5	3003.8	2970.4	2961.4
7.5°	3053.8	3070.5	3119.3	3118.1	3082.1	3025.6	2948.5	2889.5	2835.5	2812.4	2798.3
10°	3152.7	3174.6	3208.0	3154.0	3053.8	2904.9	2741.8	2613.4	2536.3	2474.7	2474.7
12.5°	3265.7	3286.3	3279.9	3155.3	2948.5	2669.9	2434.9	2287.2	2179.3	2122.8	2122.8
15°	3378.8	3395.4	3326.1	3096.2	2728.9	2357.8	2101.0	1923.7	1830.0	1777.3	1777.3
17.5°	3493.0	3491.8	3345.4	2960.1	2442.6	2012.4	1760.6	1623.2	1591.1	1582.1	1580.9
20°	3603.5	3574.0	3321.0	2732.8	2110.0	1664.3	1505.1	1514.1	1561.6	1582.1	1584.7
22.5°	3728.1	3654.9	3249.0	2442.6	1732.4	1422.9	1433.2	1507.7	1577.0	1607.8	1611.7
25°	3855.2	3724.2	3128.3	2102.2	1416.5	1334.3	1413.9	1497.4	1575.7	1615.5	1619.4
27.5°	3906.6	3724.2	2922.9	1708.0	1248.2	1297.0	1384.4	1465.3	1547.5	1593.7	1602.7
30°	3948.9	3692.1	2635.2	1352.3	1178.9	1261.1	1336.9	1411.3	1492.2	1548.8	1559.0
32.5°	4008.0	3663.8	2287.2	1136.5	1146.8	1226.4	1279.1	1342.0	1415.2	1452.4	1448.6
35°	4077.4	3620.2	1867.2	1033.8	1119.8	1196.9	1234.1	1271.4	1238.0	1236.7	1240.5
37.5°	4176.2	3581.7	1501.2	987.6	1101.9	1176.3	1207.2	1127.5	1081.3	1062.0	1054.3
40°	4318.8	3566.2	1184.0	960.6	1099.3	1175.1	1153.2	1029.9	967.0	900.2	898.9
42.5°	4498.6	3554.7	978.6	947.7	1108.3	1204.6	1078.7	965.7	836.0	806.5	803.9
45°	4729.7	3536.7	875.8	945.2	1130.1	1227.7	1071.0	877.1	788.5	775.7	775.7
47.5°	5008.4	3508.5	829.6	945.2	1154.5	1217.4	1047.9	857.9	766.7	780.8	789.8
50°	5328.2	3472.5	805.2	942.6	1178.9	1217.4	999.1	854.0	761.5	834.7	864.3
52.5°	5669.8	3431.4	788.5	932.3	1195.6	1218.7	1001.7	866.8	766.7	847.6	872.0
55°	6047.3	3425.0	765.4	910.5	1200.7	1185.3	1008.1	895.1	774.4	768.0	769.2
57.5°	6523.8	3502.0	748.7	878.4	1180.2	1117.3	1020.9	915.6	765.4	766.7	775.7
60°	7022.0	3647.2	762.8	847.6	1137.8	1053.1	1029.9	905.4	721.7	701.2	703.7
62.5°	7445.8	3757.6	774.4	833.5	1076.2	996.5	1020.9	882.3	697.3	692.2	703.7
65°	7623.1	3666.4	746.1	803.9	986.3	927.2	1001.7	852.7	676.8	657.5	658.8
67.5°	7426.6	3238.8	690.9	738.4	884.8	838.6	970.9	814.2	648.5	625.4	620.3
70°	6344.0	2379.6	595.9	634.4	761.5	734.6	923.3	764.1	603.6	586.9	575.3
72.5°	5112.4	1684.9	494.4	504.7	597.2	619.0	841.2	701.2	552.2	504.7	488.0
75°	3558.5	1058.2	412.2	402.0	431.5	472.6	656.2	581.7	476.4	426.4	410.9
77.5°	1530.8	543.2	322.3	317.2	287.7	327.5	503.4	485.4	399.4	341.6	332.6
80°	512.4	314.6	232.4	223.5	191.3	229.9	354.4	387.8	313.3	253.0	237.6
82.5°	256.8	182.4	147.7	133.6	128.4	145.1	209.3	241.4	217.0	174.7	147.7
85°	125.9	104.0	80.9	79.6	66.8	62.9	87.3	102.7	97.6	71.9	68.1
87.5°	46.2	41.1	25.7	20.5	12.8	9.0	5.1	5.1	3.9	3.9	3.9
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)