

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: P633938

Luminaire Tested: GWS-SA2F-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633938
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-SA2F-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16638.5 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 124.5
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

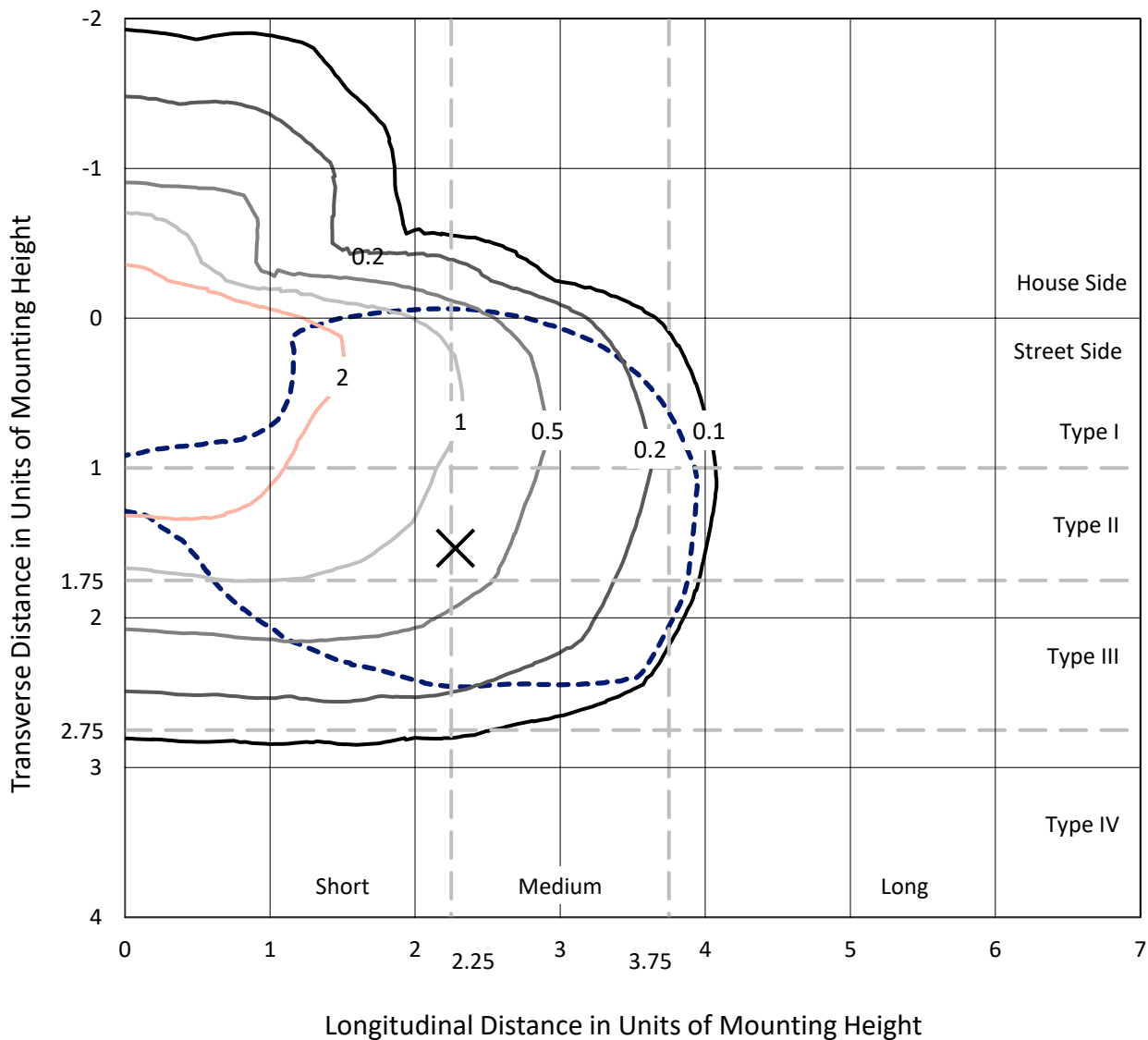


REPORT NUMBER: P633938

CATALOG NUMBER: GWS-SA2F-760-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

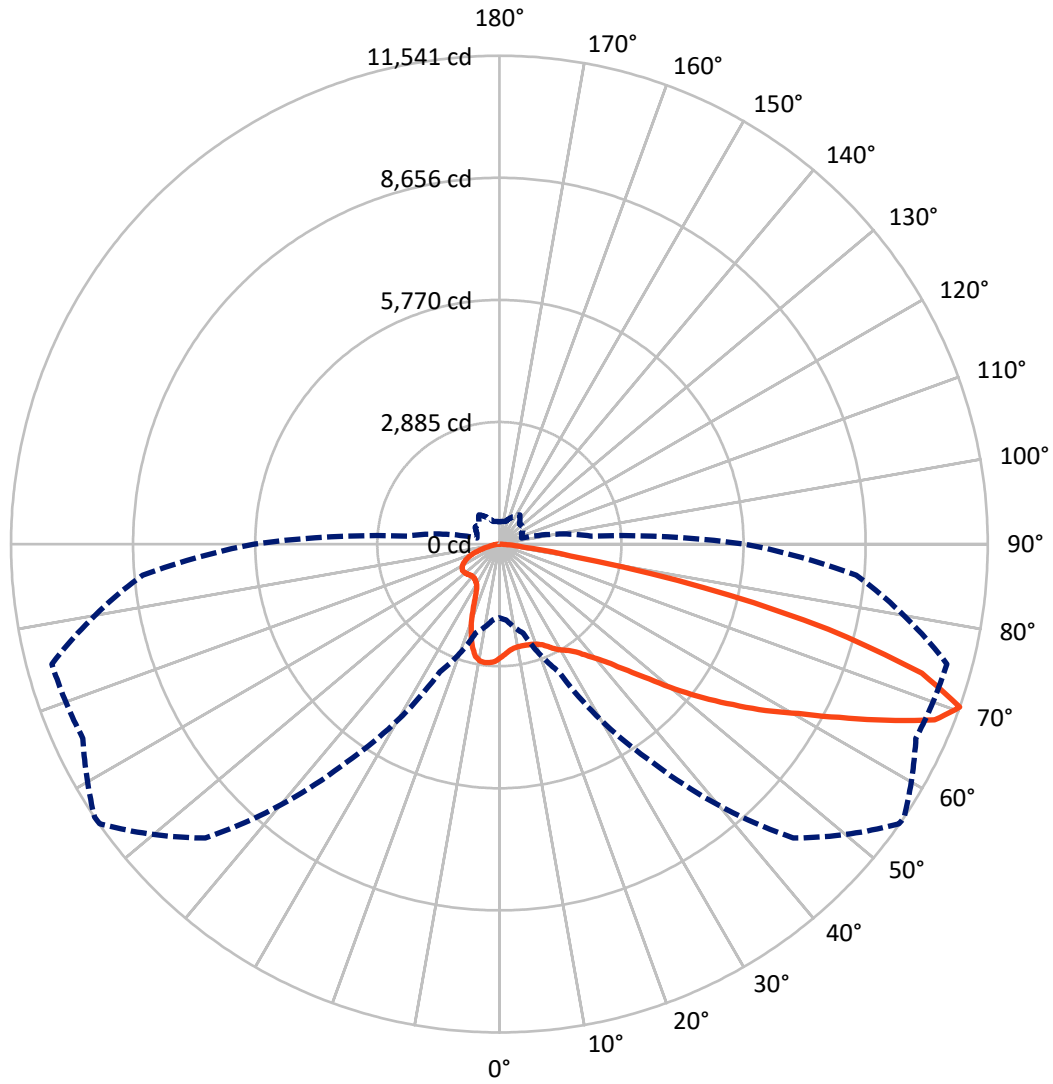
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P633938
CATALOG NUMBER: GWS-SA2F-760-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633938

CATALOG NUMBER: GWS-SA2F-760-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3198.8	0.0	3198.8
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	13439.7	0.0	13439.7
	% Fixture	80.8	0.0	80.8
Total	Lumens	16638.5	0.0	16638.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	1.5
10°-20°	673.4	4.0
20°-30°	1113.3	6.7
30°-40°	1664.6	10.0
40°-50°	2477.1	14.9
50°-60°	3521.7	21.2
60°-70°	4361.8	26.2
70°-80°	2408.4	14.5
80°-90°	169.6	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°	16638.5	100.0
0°-180°	16638.5	100.0

Coefficient of Utilization



REPORT NUMBER: P633938

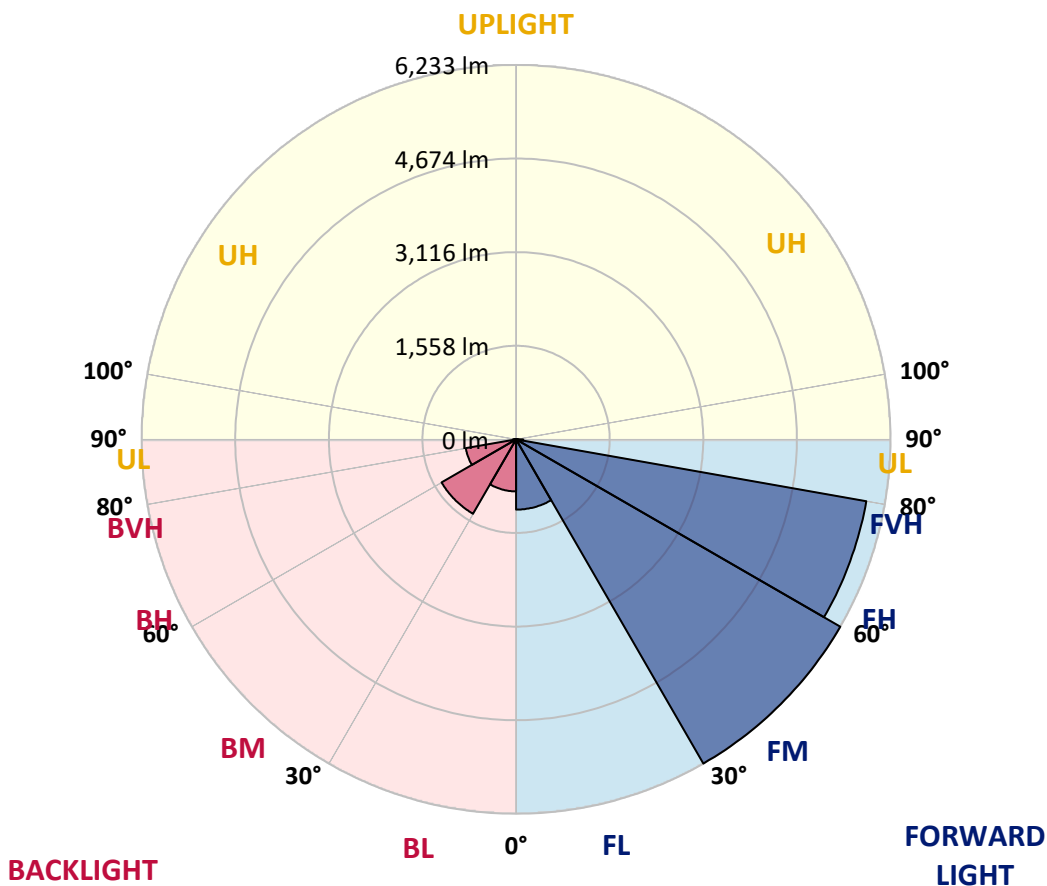
CATALOG NUMBER: GWS-SA2F-760-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1169.3	7.0			
FM (30°-60°)	6232.5	37.5			
FH (60°-80°)	5920.0	35.6			G3/7500
FVH (80°-90°)	117.9	0.7			G2/225
BL (0°-30°)	865.9	5.2	B2/1000		
BM (30°-60°)	1430.9	8.6	B2/2500		
BH (60°-80°)	850.2	5.1	B2/1000		G2/1000
BVH (80°-90°)	51.7	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: P633938
 CATALOG NUMBER: GWS-SA2F-760-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7
2.5°	2513.2	2499.2	2515.6	2523.8	2544.9	2575.4	2602.4	2603.6	2617.7	2651.7	2684.5
5°	2399.4	2392.4	2397.1	2421.7	2444.0	2482.7	2523.8	2527.3	2567.2	2634.1	2699.8
7.5°	2311.4	2302.0	2319.6	2351.3	2379.5	2422.9	2476.9	2481.6	2537.9	2638.8	2739.7
10°	2184.7	2177.7	2210.5	2252.8	2313.8	2385.3	2456.9	2462.8	2536.7	2669.3	2810.1
12.5°	2129.6	2129.6	2143.6	2183.5	2250.4	2345.4	2453.4	2462.8	2555.5	2716.2	2900.4
15°	2215.2	2221.1	2209.3	2207.0	2234.0	2324.3	2458.1	2472.2	2590.7	2764.3	2989.6
17.5°	2387.7	2393.6	2363.0	2314.9	2288.0	2344.3	2475.7	2490.9	2628.2	2817.1	3085.8
20°	2629.4	2636.4	2569.6	2495.6	2402.9	2401.8	2509.7	2523.8	2676.3	2874.6	3187.9
22.5°	2912.2	2916.9	2832.4	2715.0	2573.1	2508.5	2568.4	2582.5	2738.5	2954.4	3298.2
25°	3239.5	3253.6	3151.5	2981.4	2789.0	2655.2	2665.8	2682.2	2850.0	3061.2	3428.4
27.5°	3589.2	3606.8	3489.4	3301.7	3036.5	2817.1	2791.3	2805.4	2968.5	3126.9	3497.6
30°	3947.0	3959.9	3842.6	3627.9	3302.9	3000.2	2896.9	2905.1	3020.1	3158.6	3568.0
32.5°	4344.8	4334.2	4221.6	3974.0	3610.3	3219.6	2995.5	2993.1	3077.6	3221.9	3668.9
35°	4717.9	4733.1	4613.5	4340.1	3948.2	3490.6	3143.3	3133.9	3199.6	3325.2	3810.9
37.5°	5169.6	5164.9	5021.8	4726.1	4287.3	3749.9	3351.0	3334.6	3358.0	3485.9	4009.2
40°	5492.3	5525.1	5432.4	5156.7	4683.9	4069.0	3593.9	3557.5	3563.3	3684.2	4274.4
42.5°	5756.3	5786.8	5796.2	5620.2	5137.9	4463.3	3896.6	3860.2	3863.7	4035.0	4600.6
45°	5959.2	6000.3	6132.9	6081.3	5649.5	4918.5	4306.1	4268.5	4270.9	4460.9	4994.8
47.5°	6042.6	6087.1	6355.8	6479.0	6192.7	5462.9	4815.3	4760.1	4768.3	4978.4	5445.3
50°	6015.6	6075.4	6439.1	6785.3	6648.0	6016.7	5424.2	5385.5	5353.8	5658.9	5934.6
52.5°	5783.3	5849.0	6430.9	6980.0	7019.9	6540.0	6053.1	6030.8	6023.8	6381.6	6481.4
55°	5099.2	5209.5	6148.2	7031.7	7310.9	7032.8	6734.8	6697.3	6733.6	7156.0	7034.0
57.5°	4720.2	4802.4	5594.3	6974.2	7549.1	7502.2	7415.3	7418.8	7459.9	7997.3	7704.0
60°	4504.3	4600.6	5286.9	6816.9	7777.9	8072.4	8127.5	8127.5	8201.4	8904.3	8384.5
62.5°	4218.1	4315.4	4999.5	6514.2	7989.1	8743.5	9022.8	9019.2	9048.6	9876.9	9049.8
65°	3637.3	3727.6	4422.2	6036.7	8092.3	9482.7	10040.0	10029.5	9970.8	10742.8	9489.7
67.5°	2641.1	2726.8	3387.4	5128.5	7720.4	10078.7	11087.8	11092.5	10741.7	11288.4	9513.2
70°	1741.2	1799.9	2177.7	3331.0	6278.4	9821.8	11526.6	11540.7	10860.2	10948.2	8466.6
72.5°	1086.5	1127.6	1359.9	1986.4	3710.0	7774.4	10400.2	10439.0	9770.2	9621.2	6956.6
75°	721.6	749.7	904.6	1158.1	1716.6	4207.5	7905.8	8030.1	7830.7	7542.0	4846.9
77.5°	434.1	457.6	576.1	735.7	760.3	1643.8	4614.6	4936.1	4964.3	3937.6	2029.8
80°	198.3	225.3	318.0	420.0	404.8	572.6	1627.4	1702.5	2008.7	1250.7	640.6
82.5°	117.3	129.1	211.2	208.8	172.5	278.1	585.5	600.7	510.4	457.6	273.4
85°	46.9	55.1	89.2	78.6	63.4	90.3	220.6	231.1	221.8	199.5	100.9
87.5°	0.0	0.0	0.0	0.0	1.2	2.3	19.9	21.1	30.5	55.1	30.5
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: P633938
 CATALOG NUMBER: GWS-SA2F-760-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7	2685.7
2.5°	2705.7	2698.6	2733.8	2760.8	2772.5	2784.3	2773.7	2770.2	2770.2	2746.7	2735.0
5°	2735.0	2738.5	2786.6	2808.9	2808.9	2799.5	2771.4	2751.4	2744.4	2713.9	2705.7
7.5°	2790.1	2805.4	2850.0	2848.8	2815.9	2764.3	2693.9	2640.0	2590.7	2569.6	2556.6
10°	2880.5	2900.4	2930.9	2881.7	2790.1	2654.0	2505.0	2387.7	2317.3	2261.0	2261.0
12.5°	2983.7	3002.5	2996.6	2882.8	2693.9	2439.3	2224.6	2089.7	1991.1	1939.5	1939.5
15°	3087.0	3102.2	3038.9	2828.9	2493.3	2154.2	1919.5	1757.6	1672.0	1623.9	1623.9
17.5°	3191.4	3190.2	3056.5	2704.5	2231.6	1838.6	1608.6	1483.1	1453.7	1445.5	1444.3
20°	3292.3	3265.3	3034.2	2496.8	1927.8	1520.6	1375.1	1383.3	1426.7	1445.5	1447.9
22.5°	3406.1	3339.2	2968.5	2231.6	1582.8	1300.0	1309.4	1377.5	1440.8	1469.0	1472.5
25°	3522.3	3402.6	2858.2	1920.7	1294.2	1219.1	1291.8	1368.1	1439.7	1476.0	1479.5
27.5°	3569.2	3402.6	2670.5	1560.5	1140.5	1185.0	1264.8	1338.7	1413.8	1456.1	1464.3
30°	3607.9	3373.3	2407.6	1235.5	1077.1	1152.2	1221.4	1289.5	1363.4	1415.0	1424.4
32.5°	3661.9	3347.5	2089.7	1038.4	1047.8	1120.5	1168.6	1226.1	1293.0	1327.0	1323.5
35°	3725.3	3307.6	1706.0	944.5	1023.1	1093.5	1127.6	1161.6	1131.1	1129.9	1133.4
37.5°	3815.6	3272.4	1371.6	902.3	1006.7	1074.8	1102.9	1030.2	987.9	970.3	963.3
40°	3945.8	3258.3	1081.8	877.6	1004.4	1073.6	1053.6	941.0	883.5	822.5	821.3
42.5°	4110.1	3247.7	894.1	865.9	1012.6	1100.6	985.6	882.3	763.8	736.8	734.5
45°	4321.3	3231.3	800.2	863.6	1032.5	1121.7	978.5	801.4	720.4	708.7	708.7
47.5°	4575.9	3205.5	758.0	863.6	1054.8	1112.3	957.4	783.8	700.5	713.4	721.6
50°	4868.1	3172.6	735.7	861.2	1077.1	1112.3	912.8	780.3	695.8	762.7	789.6
52.5°	5180.2	3135.1	720.4	851.8	1092.4	1113.5	915.2	792.0	700.5	774.4	796.7
55°	5525.1	3129.2	699.3	831.9	1097.0	1083.0	921.0	817.8	707.5	701.6	702.8
57.5°	5960.4	3199.6	684.0	802.5	1078.3	1020.8	932.8	836.6	699.3	700.5	708.7
60°	6415.7	3332.2	696.9	774.4	1039.6	962.1	941.0	827.2	659.4	640.6	643.0
62.5°	6802.9	3433.1	707.5	761.5	983.2	910.5	932.8	806.1	637.1	632.4	643.0
65°	6964.8	3349.8	681.7	734.5	901.1	847.1	915.2	779.1	618.3	600.7	601.9
67.5°	6785.3	2959.1	631.2	674.7	808.4	766.2	887.0	743.9	592.5	571.4	566.7
70°	5796.2	2174.1	544.4	579.6	695.8	671.1	843.6	698.1	551.5	536.2	525.6
72.5°	4671.0	1539.4	451.7	461.1	545.6	565.5	768.5	640.6	504.5	461.1	445.9
75°	3251.2	966.8	376.6	367.2	394.2	431.8	599.6	531.5	435.3	389.5	375.5
77.5°	1398.6	496.3	294.5	289.8	262.8	299.2	459.9	443.5	364.9	312.1	303.9
80°	468.2	287.5	212.4	204.2	174.8	210.0	323.8	354.3	286.3	231.1	217.1
82.5°	234.7	166.6	134.9	122.0	117.3	132.6	191.2	220.6	198.3	159.6	134.9
85°	115.0	95.0	73.9	72.7	61.0	57.5	79.8	93.9	89.2	65.7	62.2
87.5°	42.2	37.5	23.5	18.8	11.7	8.2	4.7	4.7	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)