

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: P635398

Luminaire Tested: GWS-SA3D-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17051.5 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

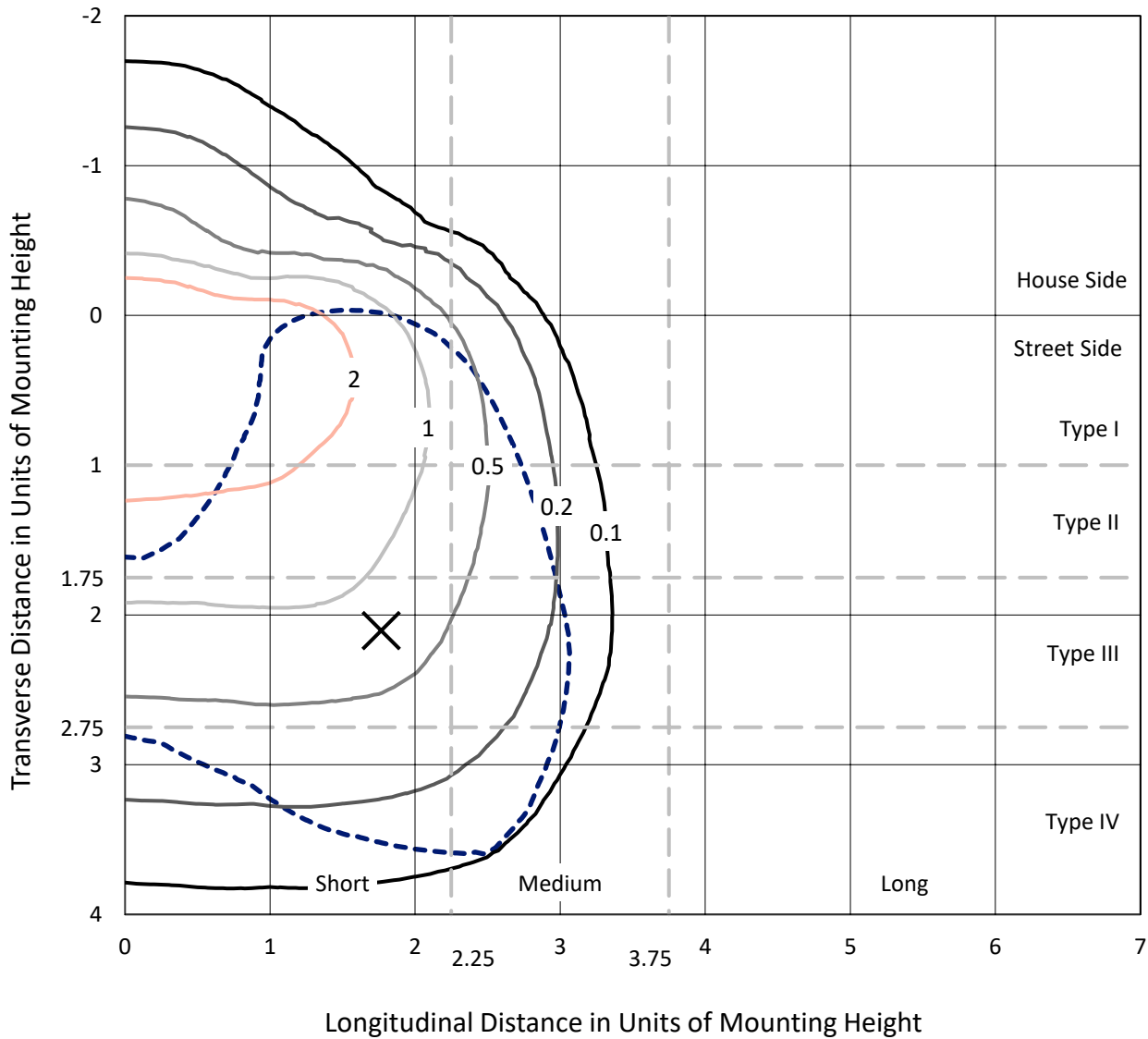
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635398
 CATALOG NUMBER: GWS-SA3D-760-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

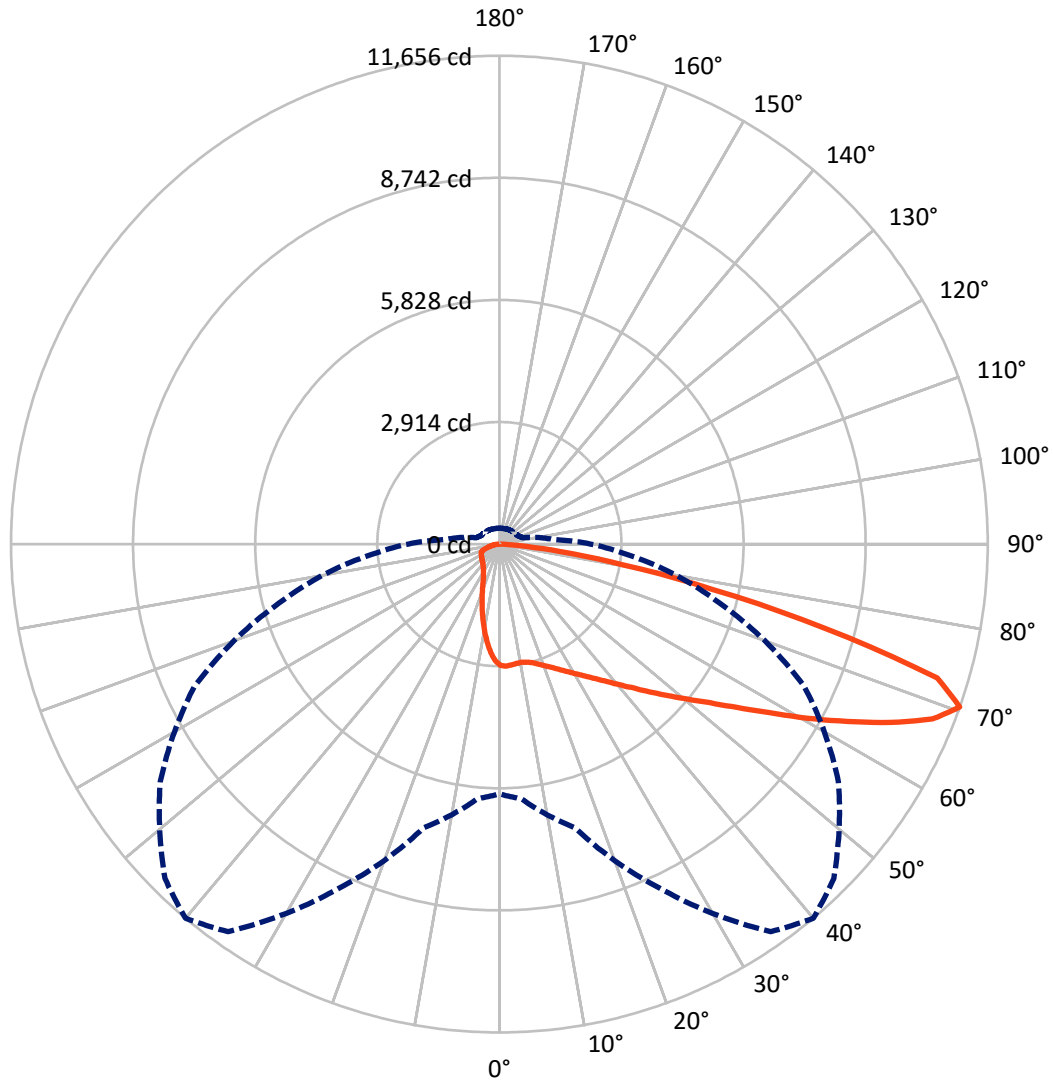
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P635398
CATALOG NUMBER: GWS-SA3D-760-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P635398

CATALOG NUMBER: GWS-SA3D-760-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2626.4	0.0	2626.4
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	14425.1	0.0	14425.1
	% Fixture	84.6	0.0	84.6
Total	Lumens	17051.5	0.0	17051.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.8	1.5
10°-20°	666.8	3.9
20°-30°	1046.9	6.1
30°-40°	1574.1	9.2
40°-50°	2429.6	14.2
50°-60°	3608.2	21.2
60°-70°	4548.1	26.7
70°-80°	2630.1	15.4
80°-90°	291.9	1.7
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°	17051.5	100.0
0°-180°	17051.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635398

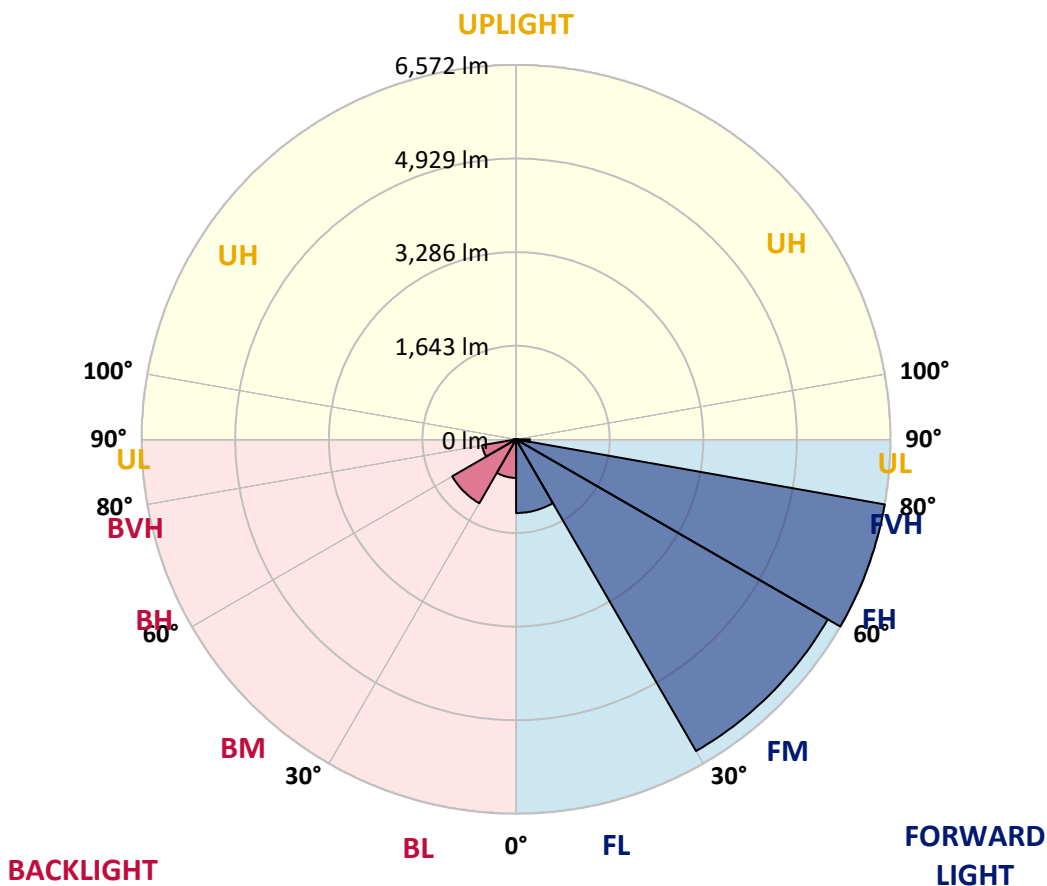
CATALOG NUMBER: GWS-SA3D-760-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1292.6	7.6			
FM (30°-60°)	6317.4	37.0			
FH (60°-80°)	6572.0	38.5			G3/7500
FVH (80°-90°)	243.1	1.4			G3/500
BL (0°-30°)	676.8	4.0	B2/1000		
BM (30°-60°)	1294.6	7.6	B2/2500		
BH (60°-80°)	606.2	3.6	B2/1000		G2/1000
BVH (80°-90°)	48.8	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 IV Short





REPORT NUMBER: P635398

CATALOG NUMBER: GWS-SA3D-760-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5
2.5°	2913.4	2918.4	2922.3	2927.4	2924.8	2917.2	2923.5	2923.5	2909.5	2894.3	2880.3
5°	2917.2	2923.5	2922.3	2921.0	2910.8	2898.1	2898.1	2890.4	2866.3	2842.1	2819.2
7.5°	2909.5	2908.3	2907.0	2903.2	2891.7	2877.7	2875.2	2859.9	2828.1	2795.0	2761.9
10°	2875.2	2873.9	2877.7	2886.6	2884.1	2871.4	2871.4	2857.4	2820.4	2779.7	2736.4
12.5°	2847.2	2847.2	2862.4	2886.6	2895.5	2890.4	2891.7	2881.5	2839.5	2791.2	2740.3
15°	2851.0	2852.3	2885.4	2924.8	2941.4	2937.5	2938.8	2927.4	2880.3	2831.9	2763.2
17.5°	2876.4	2882.8	2940.1	2994.8	3016.5	3011.4	3002.5	2983.4	2929.9	2875.2	2791.2
20°	2929.9	2940.1	3013.9	3082.6	3108.1	3096.6	3081.4	3043.2	2984.6	2924.8	2821.7
22.5°	3035.5	3041.9	3123.4	3190.8	3211.2	3197.2	3166.6	3111.9	3044.5	2982.1	2858.6
25°	3184.5	3192.1	3269.7	3332.1	3327.0	3310.5	3268.5	3201.0	3120.8	3054.6	2912.1
27.5°	3361.4	3374.1	3450.5	3500.1	3467.0	3442.8	3395.7	3314.3	3223.9	3164.1	2993.5
30°	3554.8	3559.9	3624.8	3674.5	3623.6	3590.5	3533.2	3445.4	3363.9	3319.4	3115.7
32.5°	3741.9	3747.0	3803.0	3831.0	3777.6	3753.4	3703.7	3610.8	3553.6	3529.4	3297.7
35°	3939.2	3937.9	3983.8	4007.9	3953.2	3943.0	3892.1	3820.8	3810.7	3842.5	3563.7
37.5°	4136.5	4125.0	4149.2	4181.0	4150.5	4160.7	4127.6	4103.4	4142.8	4225.6	3917.6
40°	4294.3	4294.3	4319.8	4359.2	4369.4	4413.9	4394.9	4426.7	4554.0	4751.2	4355.4
42.5°	4434.3	4435.6	4489.0	4550.1	4624.0	4692.7	4708.0	4790.7	5054.1	5363.4	4905.2
45°	4580.7	4582.0	4654.5	4743.6	4900.1	5031.2	5061.8	5247.6	5624.3	6001.1	5502.2
47.5°	4750.0	4736.0	4836.5	4985.4	5208.2	5396.5	5475.4	5738.9	6214.9	6678.2	6064.7
50°	4940.9	4911.6	5023.6	5280.7	5555.6	5814.0	5946.4	6248.0	6848.7	7303.1	6594.2
52.5°	5156.0	5139.4	5256.5	5569.6	5989.6	6287.5	6466.9	6862.7	7464.8	7925.5	7014.2
55°	5423.3	5383.8	5553.1	5951.4	6498.7	6878.0	7090.6	7471.1	8138.1	8490.6	7334.9
57.5°	5716.0	5672.7	5899.3	6428.7	7160.6	7576.8	7842.8	8155.9	8771.9	8923.4	7523.3
60°	6031.6	6017.6	6286.2	6988.8	7949.7	8433.3	8625.5	8909.4	9323.0	9174.1	7476.2
62.5°	6320.6	6315.5	6706.2	7595.9	8785.9	9317.9	9470.6	9545.7	9720.1	9157.5	7102.0
65°	6624.7	6668.0	7196.2	8299.7	9744.3	10266.1	10329.8	10138.8	9853.7	8723.5	6335.8
67.5°	6662.9	6746.9	7504.2	8959.0	10653.0	11145.6	11094.7	10364.1	9459.2	7515.7	4966.3
70°	5959.1	6105.5	7012.9	9059.5	11293.2	11656.0	11288.2	9879.2	8027.3	5444.9	3123.4
72.5°	4979.1	5105.1	5906.9	7725.7	10467.2	10929.2	10431.6	8362.1	5672.7	3123.4	1591.0
75°	3875.6	4021.9	4761.4	6141.1	7836.4	8021.0	7771.5	5831.8	3118.3	1288.0	722.9
77.5°	2364.8	2470.4	3045.7	4160.7	5483.1	5206.9	4412.7	3269.7	1368.2	617.3	446.7
80°	1046.2	1111.1	1500.6	2235.0	3167.9	2994.8	2361.0	1396.2	748.4	392.0	311.8
82.5°	561.3	603.3	739.5	884.6	1391.1	1454.8	1179.9	804.4	402.2	224.0	178.2
85°	246.9	271.1	336.0	320.7	456.9	449.3	453.1	552.4	192.2	103.1	115.8
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	14.0	73.8	19.1	30.5	26.7
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: P635398
 CATALOG NUMBER: GWS-SA3D-760-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5	2895.5
2.5°	2865.0	2842.1	2835.7	2828.1	2814.1	2789.9	2772.1	2751.7	2742.8	2732.6	2733.9
5°	2793.7	2765.7	2739.0	2704.6	2661.4	2613.0	2579.9	2541.7	2521.3	2502.3	2507.3
7.5°	2732.6	2689.4	2634.6	2562.1	2484.4	2397.9	2327.9	2273.2	2236.2	2210.8	2223.5
10°	2694.4	2643.5	2548.1	2429.7	2298.6	2166.2	2065.7	1971.5	1913.0	1867.1	1864.6
12.5°	2686.8	2620.6	2481.9	2310.1	2120.4	1943.5	1795.9	1668.6	1591.0	1533.7	1555.3
15°	2694.4	2610.4	2424.6	2199.3	1960.1	1720.8	1537.5	1391.1	1298.2	1246.0	1242.2
17.5°	2703.4	2600.3	2359.7	2079.7	1792.1	1518.4	1305.9	1150.6	1055.1	1002.9	1004.2
20°	2711.0	2585.0	2283.3	1948.6	1621.5	1330.0	1109.9	962.2	876.9	838.8	845.1
22.5°	2723.7	2569.7	2201.9	1808.6	1447.1	1148.0	954.6	834.9	784.0	758.6	759.8
25°	2747.9	2560.8	2117.9	1655.9	1275.3	1002.9	847.7	767.5	735.7	720.4	719.1
27.5°	2797.5	2568.4	2030.1	1508.2	1120.0	892.2	778.9	726.7	705.1	694.9	693.7
30°	2880.3	2599.0	1953.7	1358.0	986.4	805.7	731.8	700.0	687.3	678.4	677.1
32.5°	3006.3	2656.3	1871.0	1218.0	878.2	742.0	694.9	678.4	669.5	664.4	664.4
35°	3197.2	2760.6	1789.5	1095.9	794.2	692.4	665.7	659.3	651.7	649.1	651.7
37.5°	3472.1	2927.4	1715.7	988.9	734.4	654.2	633.8	636.4	630.0	633.8	637.7
40°	3820.8	3150.1	1653.3	901.1	689.8	626.2	605.8	614.7	610.9	614.7	621.1
42.5°	4262.5	3426.3	1606.2	832.4	658.0	603.3	584.2	593.1	590.6	595.7	602.0
45°	4755.0	3790.3	1584.6	784.0	635.1	586.7	566.4	572.7	570.2	574.0	580.4
47.5°	5227.2	4121.2	1603.7	756.0	616.0	572.7	551.1	553.7	552.4	551.1	554.9
50°	5634.5	4384.7	1658.4	747.1	603.3	558.7	538.4	539.7	535.8	528.2	530.7
52.5°	5966.7	4596.0	1691.5	747.1	596.9	543.5	524.4	525.7	518.0	507.8	509.1
55°	6185.6	4681.2	1664.8	745.8	594.4	530.7	510.4	511.7	504.0	491.3	492.6
57.5°	6248.0	4598.5	1552.8	731.8	591.8	520.6	496.4	498.9	493.8	479.8	479.8
60°	6073.6	4295.6	1347.9	700.0	585.5	514.2	486.2	490.0	487.5	473.5	473.5
62.5°	5616.7	3757.2	1103.5	651.7	567.7	506.6	477.3	484.9	491.3	483.7	482.4
65°	4761.4	3010.1	897.3	598.2	544.7	493.8	464.6	483.7	497.7	507.8	507.8
67.5°	3572.7	2154.8	731.8	542.2	510.4	468.4	448.0	465.8	476.0	482.4	486.2
70°	2177.7	1267.7	576.6	477.3	460.7	430.2	414.9	397.1	383.1	380.6	381.8
72.5°	1065.3	725.5	468.4	406.0	393.3	365.3	330.9	323.3	316.9	313.1	311.8
75°	586.7	505.3	386.9	337.3	314.4	280.0	272.4	259.6	257.1	252.0	253.3
77.5°	414.9	398.4	319.5	273.6	239.3	221.5	225.3	216.4	216.4	212.6	211.3
80°	311.8	313.1	245.6	199.8	176.9	170.6	174.4	174.4	171.8	170.6	169.3
82.5°	197.3	222.7	165.5	128.5	126.0	127.3	126.0	124.7	127.3	123.5	122.2
85°	136.2	160.4	100.5	76.4	76.4	75.1	77.6	76.4	78.9	75.1	75.1
87.5°	30.5	71.3	36.9	22.9	24.2	22.9	24.2	25.5	28.0	29.3	29.3
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)