

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: P641833

Luminaire Tested: GWS-SA6B-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641833
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-SA6B-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20514.9 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

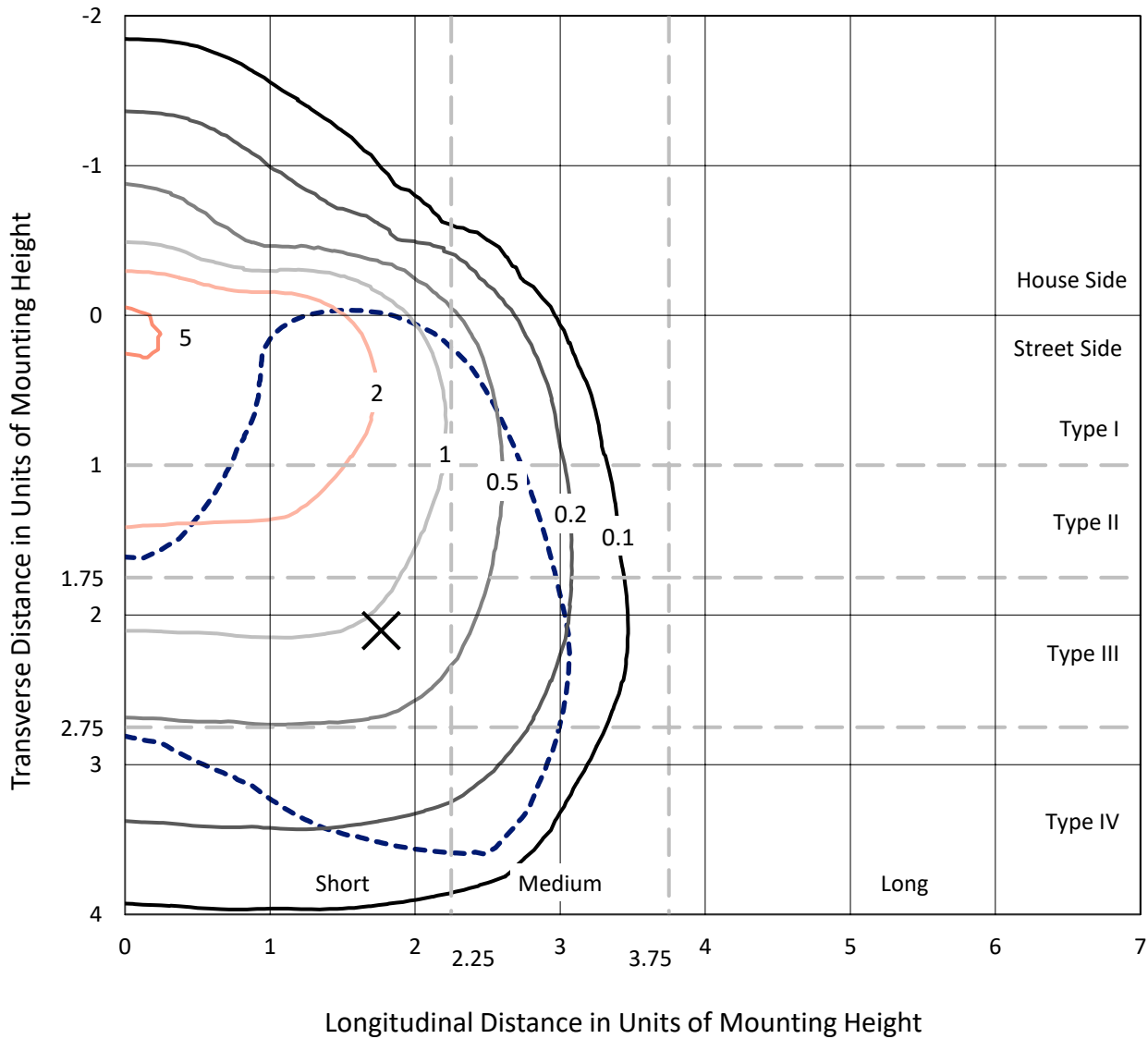
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

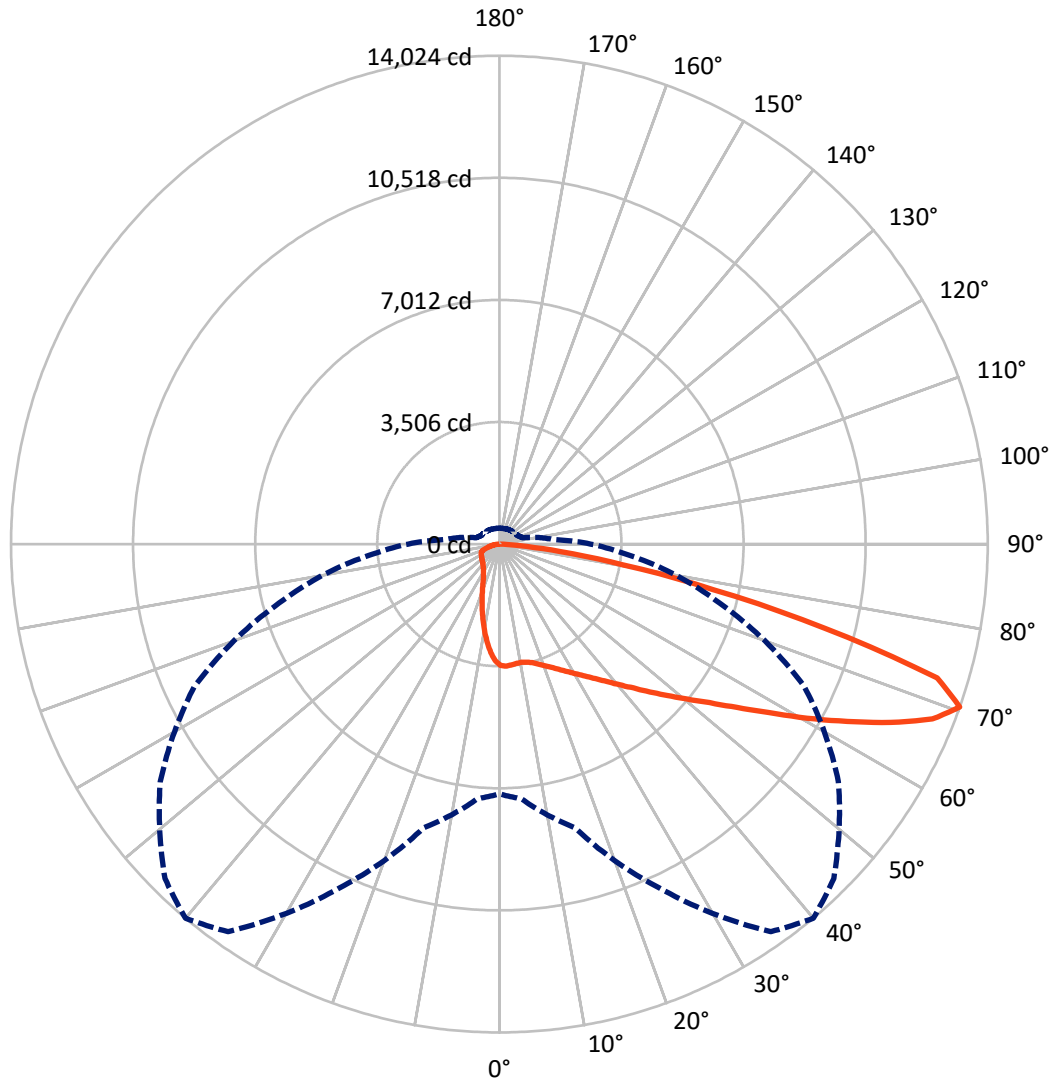
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3159.8	0.0	3159.8
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	17355.1	0.0	17355.1
	% Fixture	84.6	0.0	84.6
Total	Lumens	20514.9	0.0	20514.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.7	1.5
10°-20°	802.2	3.9
20°-30°	1259.6	6.1
30°-40°	1893.8	9.2
40°-50°	2923.1	14.2
50°-60°	4341.1	21.2
60°-70°	5471.9	26.7
70°-80°	3164.3	15.4
80°-90°	351.2	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°	20514.9	100.0
0°-180°	20514.9	100.0

Coefficient of Utilization



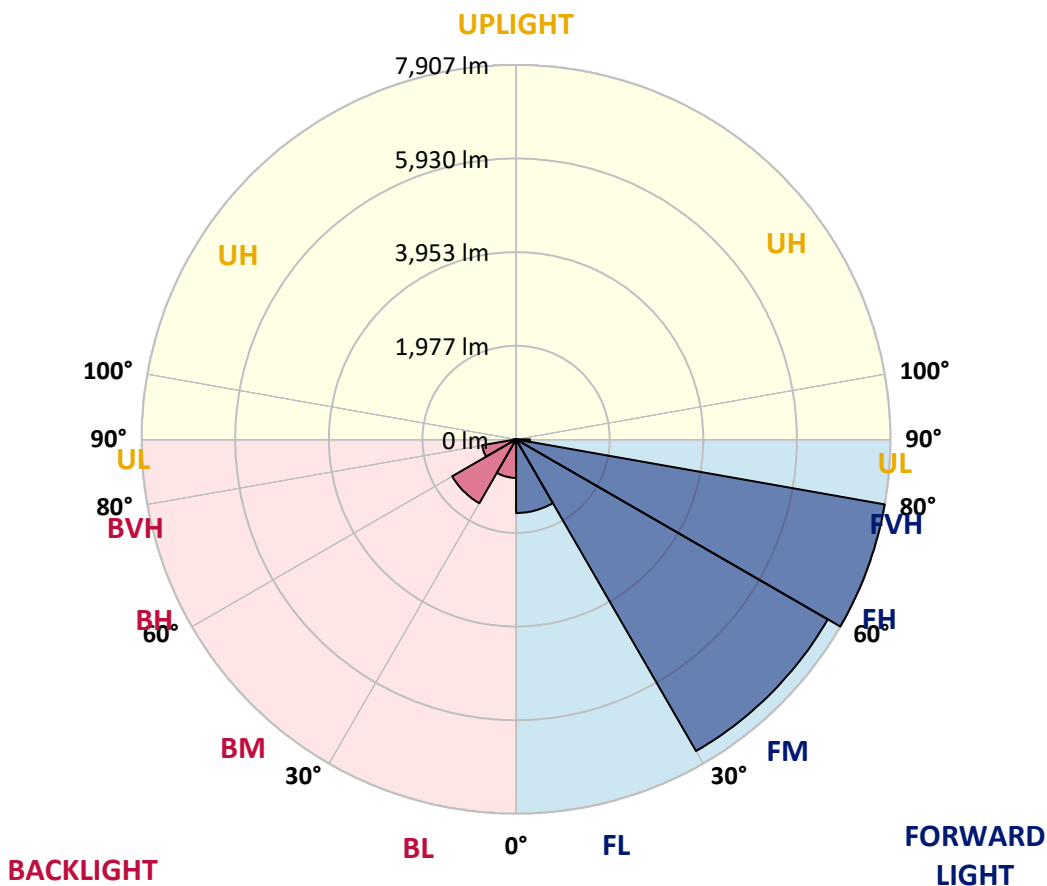
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1555.2	7.6			
FM (30°-60°)	7600.5	37.0			
FH (60°-80°)	7906.9	38.5			G4/12000
FVH (80°-90°)	292.5	1.4			G3/500
BL (0°-30°)	814.3	4.0	B2/1000		
BM (30°-60°)	1557.5	7.6	B2/2500		
BH (60°-80°)	729.3	3.6	B2/1000		G2/1000
BVH (80°-90°)	58.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 </tr			

BUG Rating: B2-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7
2.5°	3505.1	3511.2	3515.8	3521.9	3518.9	3509.7	3517.4	3517.4	3500.5	3482.1	3465.3
5°	3509.7	3517.4	3515.8	3514.3	3502.0	3486.7	3486.7	3477.5	3448.4	3419.4	3391.8
7.5°	3500.5	3499.0	3497.4	3492.9	3479.1	3462.2	3459.2	3440.8	3402.5	3362.7	3322.9
10°	3459.2	3457.6	3462.2	3472.9	3469.9	3454.6	3454.6	3437.7	3393.3	3344.3	3292.3
12.5°	3425.5	3425.5	3443.9	3472.9	3483.7	3477.5	3479.1	3466.8	3416.3	3358.1	3296.8
15°	3430.1	3431.6	3471.4	3518.9	3538.8	3534.2	3535.7	3521.9	3465.3	3407.1	3324.4
17.5°	3460.7	3468.4	3537.3	3603.1	3629.1	3623.0	3612.3	3589.3	3525.0	3459.2	3358.1
20°	3525.0	3537.3	3626.1	3708.8	3739.4	3725.6	3707.2	3661.3	3590.9	3518.9	3394.9
22.5°	3652.1	3659.8	3757.8	3838.9	3863.4	3846.6	3809.8	3744.0	3662.8	3587.8	3439.3
25°	3831.3	3840.5	3933.9	4008.9	4002.8	3982.9	3932.3	3851.2	3754.7	3675.1	3503.6
27.5°	4044.1	4059.4	4151.3	4211.0	4171.2	4142.1	4085.5	3987.5	3878.7	3806.8	3601.6
30°	4276.9	4283.0	4361.1	4420.8	4359.6	4319.7	4250.8	4145.2	4047.2	3993.6	3748.6
32.5°	4502.0	4508.1	4575.5	4609.2	4544.8	4515.7	4456.0	4344.2	4275.3	4246.2	3967.6
35°	4739.3	4737.8	4792.9	4822.0	4756.2	4743.9	4682.7	4596.9	4584.7	4622.9	4287.6
37.5°	4976.7	4962.9	4992.0	5030.3	4993.5	5005.8	4965.9	4936.9	4984.3	5083.9	4713.3
40°	5166.5	5166.5	5197.2	5244.6	5256.9	5310.5	5287.5	5325.8	5478.9	5716.3	5240.0
42.5°	5335.0	5336.5	5400.8	5474.3	5563.1	5645.8	5664.2	5763.7	6080.7	6452.8	5901.6
45°	5511.1	5512.6	5599.9	5707.1	5895.4	6053.2	6089.9	6313.5	6766.7	7220.0	6619.7
47.5°	5714.7	5697.9	5818.9	5998.0	6266.0	6492.6	6587.6	6904.5	7477.2	8034.6	7296.6
50°	5944.4	5909.2	6044.0	6353.3	6684.0	6994.9	7154.1	7517.1	8239.8	8786.5	7933.6
52.5°	6203.2	6183.3	6324.2	6700.9	7206.2	7564.5	7780.4	8256.7	8981.0	9535.3	8438.9
55°	6524.8	6477.3	6681.0	7160.3	7818.7	8275.0	8530.8	8988.6	9791.0	10215.2	8824.8
57.5°	6877.0	6824.9	7097.5	7734.5	8615.0	9115.7	9435.8	9812.5	10553.6	10735.8	9051.4
60°	7256.7	7239.9	7563.0	8408.3	9564.4	10146.3	10377.5	10719.0	11216.6	11037.5	8994.7
62.5°	7604.3	7598.2	8068.3	9138.7	10570.4	11210.5	11394.3	11484.6	11694.4	11017.6	8544.6
65°	7970.3	8022.4	8657.9	9985.5	11723.5	12351.3	12427.9	12198.2	11855.2	10495.4	7622.7
67.5°	8016.3	8117.3	9028.4	10778.7	12816.8	13409.4	13348.2	12469.2	11380.5	9042.2	5975.1
70°	7169.5	7345.6	8437.4	10899.7	13587.1	14023.5	13580.9	11885.8	9657.8	6550.8	3757.8
72.5°	5990.4	6142.0	7106.7	9294.9	12593.3	13149.1	12550.4	10060.5	6824.9	3757.8	1914.1
75°	4662.8	4838.8	5728.5	7388.4	9428.1	9650.1	9350.0	7016.3	3751.6	1549.7	869.8
77.5°	2845.1	2972.2	3664.4	5005.8	6596.8	6264.5	5309.0	3933.9	1646.1	742.7	537.5
80°	1258.7	1336.8	1805.4	2688.9	3811.4	3603.1	2840.5	1679.8	900.4	471.6	375.2
82.5°	675.3	725.8	889.7	1064.2	1673.7	1750.3	1419.5	967.8	483.9	269.5	214.4
85°	297.1	326.2	404.3	385.9	549.7	540.5	545.1	664.6	231.2	124.0	139.3
87.5°	0.0	0.0	0.0	0.0	1.5	1.5	16.8	88.8	23.0	36.8	32.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7	3483.7
2.5°	3446.9	3419.4	3411.7	3402.5	3385.7	3356.6	3335.1	3310.6	3299.9	3287.7	3289.2
5°	3361.2	3327.5	3295.3	3254.0	3201.9	3143.7	3103.9	3058.0	3033.5	3010.5	3016.6
7.5°	3287.7	3235.6	3169.8	3082.5	2989.1	2884.9	2800.7	2734.9	2690.5	2659.8	2675.1
10°	3241.7	3180.5	3065.6	2923.2	2765.5	2606.2	2485.3	2372.0	2301.5	2246.4	2243.3
12.5°	3232.5	3152.9	2986.0	2779.3	2551.1	2338.3	2160.6	2007.5	1914.1	1845.2	1871.2
15°	3241.7	3140.7	2917.1	2646.1	2358.2	2070.3	1849.8	1673.7	1561.9	1499.1	1494.5
17.5°	3252.4	3128.4	2839.0	2502.1	2156.0	1826.8	1571.1	1384.3	1269.4	1206.6	1208.2
20°	3261.6	3110.0	2747.1	2344.4	1950.9	1600.2	1335.3	1157.6	1055.1	1009.1	1016.8
22.5°	3276.9	3091.7	2649.1	2176.0	1741.1	1381.2	1148.5	1004.5	943.3	912.6	914.2
25°	3306.0	3080.9	2548.1	1992.2	1534.3	1206.6	1019.8	923.4	885.1	866.7	865.2
27.5°	3365.8	3090.1	2442.4	1814.6	1347.5	1073.4	937.1	874.4	848.3	836.1	834.5
30°	3465.3	3126.9	2350.5	1633.9	1186.7	969.3	880.5	842.2	826.9	816.2	814.6
32.5°	3616.9	3195.8	2251.0	1465.4	1056.6	892.7	836.1	816.2	805.5	799.3	799.3
35°	3846.6	3321.3	2153.0	1318.4	955.5	833.0	800.9	793.2	784.0	781.0	784.0
37.5°	4177.3	3521.9	2064.2	1189.8	883.5	787.1	762.6	765.6	758.0	762.6	767.2
40°	4596.9	3789.9	1989.1	1084.1	830.0	753.4	728.9	739.6	735.0	739.6	747.3
42.5°	5128.3	4122.2	1932.5	1001.5	791.7	725.8	702.9	713.6	710.5	716.6	724.3
45°	5720.9	4560.2	1906.4	943.3	764.1	705.9	681.4	689.1	686.0	690.6	698.3
47.5°	6289.0	4958.3	1929.4	909.6	741.1	689.1	663.0	666.1	664.6	663.0	667.6
50°	6779.0	5275.3	1995.3	898.9	725.8	672.2	647.7	649.3	644.7	635.5	638.5
52.5°	7178.6	5529.5	2035.1	898.9	718.2	653.9	630.9	632.4	623.2	611.0	612.5
55°	7442.0	5632.1	2002.9	897.3	715.1	638.5	614.0	615.6	606.4	591.1	592.6
57.5°	7517.1	5532.5	1868.2	880.5	712.0	626.3	597.2	600.3	594.1	577.3	577.3
60°	7307.3	5168.1	1621.6	842.2	704.4	618.6	584.9	589.5	586.5	569.6	569.6
62.5°	6757.5	4520.3	1327.6	784.0	683.0	609.5	574.2	583.4	591.1	581.9	580.4
65°	5728.5	3621.5	1079.6	719.7	655.4	594.1	558.9	581.9	598.7	611.0	611.0
67.5°	4298.3	2592.5	880.5	652.3	614.0	563.5	539.0	560.4	572.7	580.4	584.9
70°	2620.0	1525.2	693.7	574.2	554.3	517.6	499.2	477.8	460.9	457.9	459.4
72.5°	1281.7	872.8	563.5	488.5	473.2	439.5	398.1	388.9	381.3	376.7	375.2
75°	705.9	607.9	465.5	405.8	378.2	336.9	327.7	312.4	309.3	303.2	304.7
77.5°	499.2	479.3	384.4	329.2	287.9	266.4	271.0	260.3	260.3	255.7	254.2
80°	375.2	376.7	295.5	240.4	212.8	205.2	209.8	209.8	206.7	205.2	203.7
82.5°	237.3	268.0	199.1	154.7	151.6	153.1	151.6	150.1	153.1	148.5	147.0
85°	163.8	192.9	121.0	91.9	91.9	90.3	93.4	91.9	94.9	90.3	90.3
87.5°	36.8	85.8	44.4	27.6	29.1	27.6	29.1	30.6	33.7	35.2	35.2
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)