

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: P635172

Luminaire Tested: GWS-SA3D-730-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15747.7 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

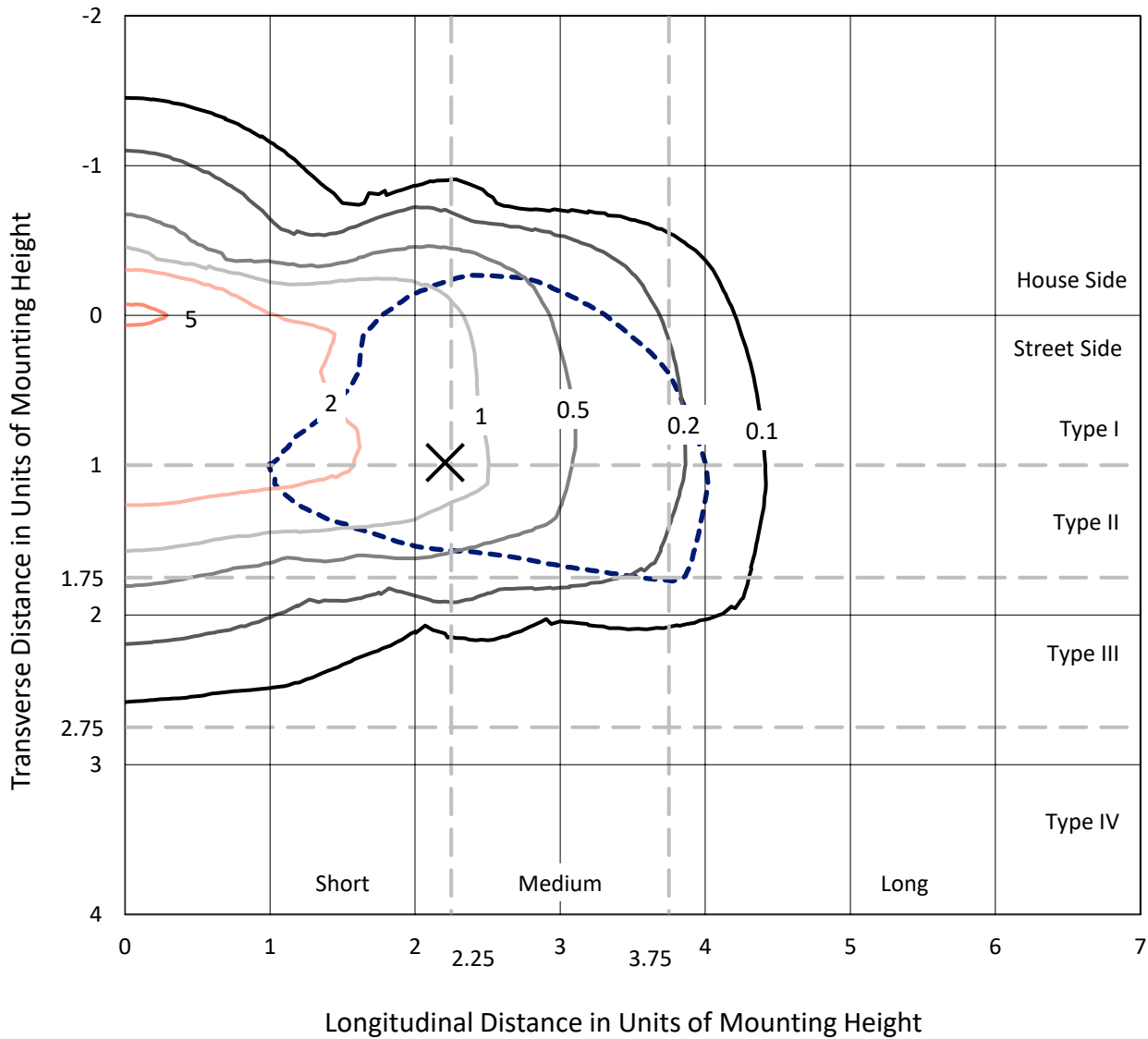
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

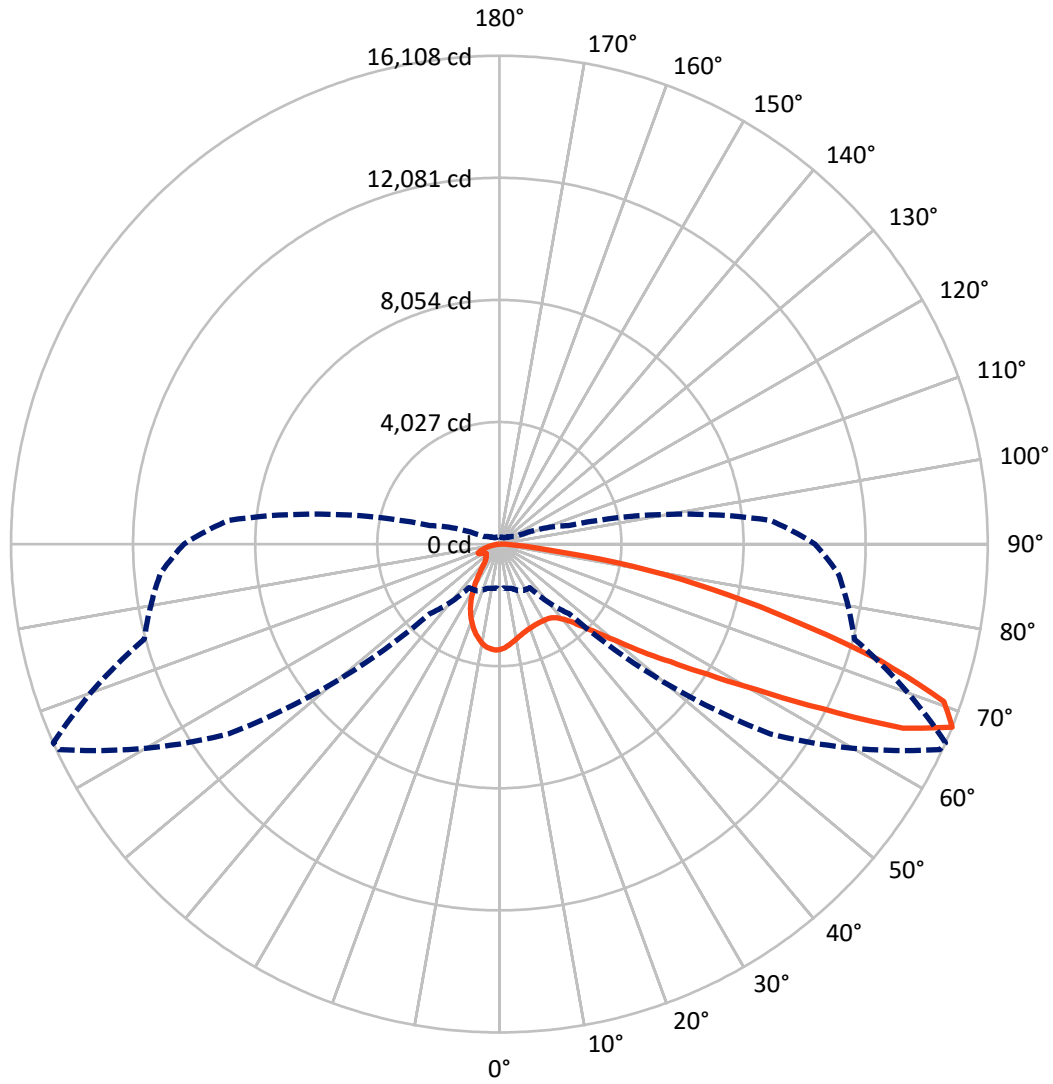
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3195.6	0.0	3195.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	12552.1	0.0	12552.1
	% Fixture	79.7	0.0	79.7
Total	Lumens	15747.7	0.0	15747.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.4	1.9
10°-20°	750.5	4.8
20°-30°	1031.6	6.6
30°-40°	1410.4	9.0
40°-50°	2137.2	13.6
50°-60°	3322.3	21.1
60°-70°	4044.8	25.7
70°-80°	2463.9	15.6
80°-90°	281.4	1.8
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°	15747.7	100.0
0°-180°	15747.7	100.0

Coefficient of Utilization



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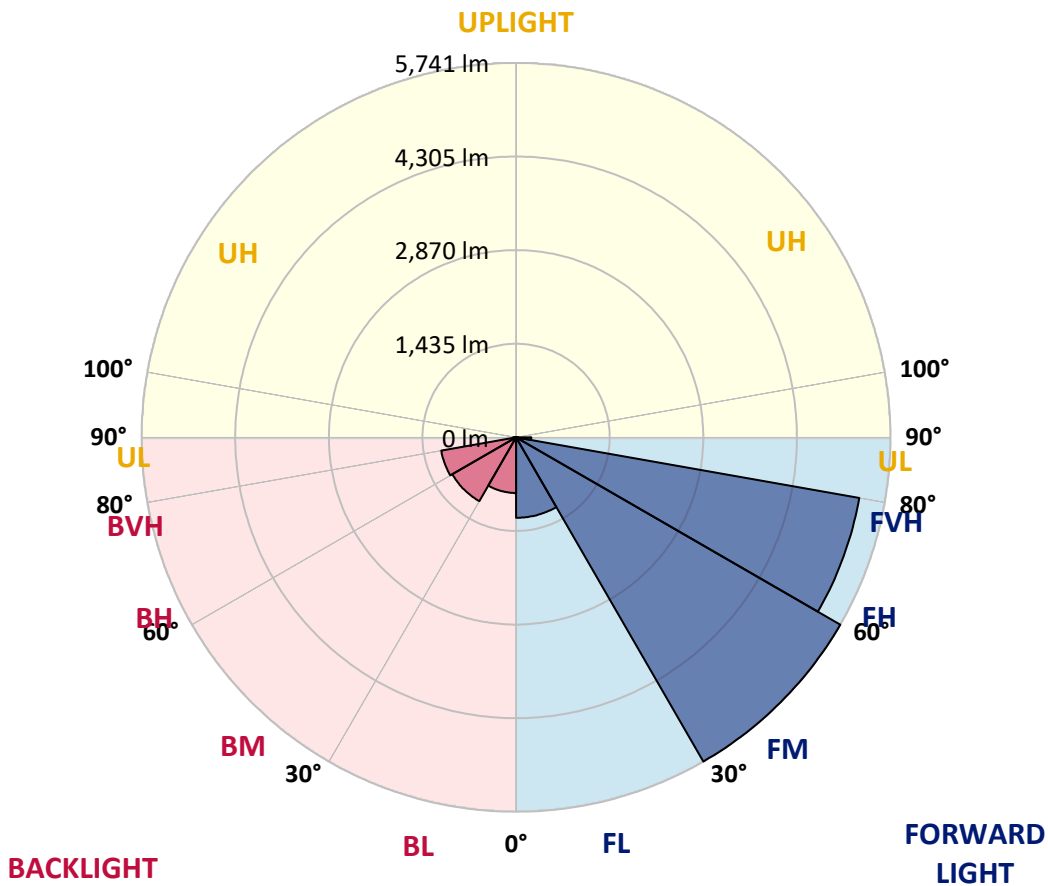
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1233.9	7.8			
FM (30°-60°)	5740.6	36.5			
FH (60°-80°)	5343.6	33.9			G3/7500
FVH (80°-90°)	234.0	1.5			G3/500
BL (0°-30°)	853.7	5.4	B2/1000		
BM (30°-60°)	1129.3	7.2	B2/2500		
BH (60°-80°)	1165.2	7.4	B3/2500		G3/2500
BVH (80°-90°)	47.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8
2.5°	3259.2	3270.7	3263.8	3307.5	3309.8	3364.9	3395.9	3422.4	3424.7	3459.1	3482.1
5°	3036.3	3043.2	3043.2	3084.6	3112.2	3185.7	3256.9	3332.7	3338.5	3421.2	3484.4
7.5°	2856.0	2862.9	2858.3	2913.4	2949.0	3030.6	3121.4	3237.4	3248.9	3382.1	3492.4
10°	2714.7	2712.4	2723.9	2774.4	2820.4	2918.0	3019.1	3151.2	3168.5	3337.3	3501.6
12.5°	2618.2	2620.5	2627.4	2680.2	2729.6	2826.1	2930.7	3074.3	3092.6	3285.6	3497.0
15°	2572.2	2567.6	2573.4	2621.6	2668.7	2753.7	2861.7	3009.9	3028.3	3239.7	3498.2
17.5°	2561.9	2558.4	2557.3	2591.8	2627.4	2706.6	2810.0	2960.5	2980.1	3209.8	3505.1
20°	2594.0	2589.5	2576.8	2591.8	2606.7	2673.3	2773.3	2924.9	2946.7	3190.3	3518.9
22.5°	2682.5	2674.5	2654.9	2636.6	2617.0	2657.2	2750.3	2898.5	2920.3	3177.7	3532.6
25°	2816.9	2810.0	2789.4	2748.0	2676.8	2669.9	2745.7	2887.0	2908.8	3168.5	3538.4
27.5°	3001.9	2991.5	2970.9	2911.1	2795.1	2717.0	2762.9	2885.9	2906.5	3158.1	3532.6
30°	3221.3	3214.4	3202.9	3130.6	2975.5	2816.9	2802.0	2895.0	2911.1	3152.4	3521.2
32.5°	3444.2	3437.3	3446.5	3412.0	3221.3	2982.4	2887.0	2920.3	2931.8	3151.2	3510.8
35°	3640.6	3648.7	3715.3	3721.0	3533.8	3206.4	3021.4	2978.9	2981.2	3174.2	3515.4
37.5°	3846.3	3877.3	3964.6	4039.3	3883.0	3502.8	3221.3	3089.2	3086.9	3232.8	3544.1
40°	4118.5	4132.3	4243.8	4383.9	4286.3	3909.5	3505.1	3269.6	3253.5	3352.3	3621.1
42.5°	4383.9	4417.2	4595.3	4756.1	4724.0	4367.8	3862.4	3539.5	3510.8	3563.7	3779.6
45°	4721.7	4753.8	4953.7	5160.5	5219.1	4886.0	4319.6	3923.2	3894.5	3881.9	4070.3
47.5°	5059.4	5092.7	5272.0	5570.7	5776.3	5533.9	4914.7	4429.9	4382.8	4333.4	4509.1
50°	5286.9	5326.0	5497.1	5855.6	6338.1	6342.7	5620.1	5093.9	5034.2	4956.0	5127.2
52.5°	5278.9	5304.1	5467.3	5880.8	6742.5	7272.1	6564.4	5939.4	5891.2	5721.2	5870.5
55°	4864.1	4902.0	5066.3	5583.3	6786.1	8153.2	7952.2	6936.6	6850.5	6546.0	6710.3
57.5°	4031.2	4063.4	4228.8	4866.4	6399.0	8604.7	9714.5	8207.2	8088.9	7444.4	7634.0
60°	3043.2	3004.2	3082.3	3640.6	5473.0	8616.2	11270.0	9930.5	9732.9	8404.8	8563.4
62.5°	2283.9	2244.8	2262.0	2419.4	3710.7	7920.0	12156.9	12287.8	11961.6	9489.3	9458.3
65°	1804.8	1783.0	1832.4	1940.4	2163.2	6031.3	12163.8	14837.1	14631.5	10746.1	10376.2
67.5°	1470.5	1456.7	1507.3	1707.2	1754.3	3240.8	10907.0	16027.3	16107.7	12122.4	11227.5
70°	1184.4	1163.8	1243.0	1506.1	1631.3	1961.0	7813.2	15420.7	15550.5	12942.7	10987.4
72.5°	818.0	819.1	859.3	1220.1	1575.0	1693.4	4419.5	12840.4	13121.9	12199.4	9659.3
75°	551.4	556.0	567.5	805.3	1451.0	1642.8	2355.1	9721.4	9920.1	10083.2	7984.3
77.5°	333.2	335.5	361.9	487.1	1000.6	1533.7	1595.7	7046.9	7203.1	6647.1	4949.1
80°	193.0	201.0	225.2	326.3	675.5	1152.3	1235.0	4320.7	4497.7	2954.8	1572.7
82.5°	85.0	90.8	122.9	189.6	394.0	979.9	963.9	1707.2	1681.9	823.7	545.7
85°	14.9	18.4	26.4	59.7	144.8	517.0	747.9	753.6	708.8	312.5	226.3
87.5°	0.0	0.0	0.0	0.0	0.0	3.4	112.6	202.2	201.0	88.5	78.1
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°	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8	3479.8
2.5°	3497.0	3466.0	3493.6	3497.0	3491.3	3486.7	3452.2	3422.4	3418.9	3386.7	3386.7
5°	3509.7	3480.9	3494.7	3468.3	3426.9	3384.4	3310.9	3260.4	3237.4	3196.0	3196.0
7.5°	3526.9	3497.0	3480.9	3415.5	3319.0	3225.9	3107.6	3008.8	2968.6	2910.0	2907.7
10°	3543.0	3505.1	3449.9	3322.4	3168.5	3020.3	2847.9	2707.8	2612.4	2542.4	2542.4
12.5°	3541.8	3492.4	3383.3	3194.9	2982.4	2767.5	2537.8	2326.4	2200.0	2090.9	2084.0
15°	3539.5	3471.8	3298.3	3046.7	2765.2	2467.7	2155.2	1879.5	1692.2	1585.4	1576.2
17.5°	3537.2	3445.3	3202.9	2877.8	2501.0	2095.5	1683.0	1384.3	1228.1	1162.6	1164.9
20°	3537.2	3415.5	3100.7	2683.7	2196.6	1649.7	1235.0	1017.9	978.8	982.2	985.7
22.5°	3526.9	3378.7	2986.9	2472.3	1857.7	1213.2	911.0	837.5	858.2	890.3	894.9
25°	3502.8	3317.8	2854.8	2237.9	1454.4	883.4	743.3	729.5	767.4	807.6	819.1
27.5°	3464.9	3247.7	2706.6	1963.3	1070.7	710.0	653.7	652.5	682.4	712.3	722.6
30°	3424.7	3169.6	2550.4	1657.8	775.5	618.1	596.2	596.2	611.2	629.6	627.3
32.5°	3377.5	3090.3	2382.7	1339.5	631.9	566.4	559.5	556.0	558.3	565.2	565.2
35°	3337.3	3020.3	2210.3	1002.9	566.4	537.7	530.8	522.7	519.3	514.7	517.0
37.5°	3322.4	2965.1	2032.3	755.9	534.2	517.0	505.5	494.0	486.0	483.7	482.5
40°	3346.5	2942.1	1854.2	622.7	511.2	495.1	482.5	467.6	460.7	460.7	460.7
42.5°	3440.7	2959.4	1672.7	562.9	495.1	476.8	458.4	444.6	442.3	444.6	445.7
45°	3613.1	3026.0	1484.3	533.1	481.4	458.4	436.6	426.2	426.2	428.5	428.5
47.5°	3920.9	3200.6	1298.2	514.7	467.6	443.4	420.5	410.1	409.0	411.3	411.3
50°	4454.0	3515.4	1130.4	502.0	457.2	432.0	409.0	395.2	391.7	390.6	390.6
52.5°	5126.1	4061.1	1023.6	492.8	444.6	419.3	396.3	378.0	371.1	367.6	367.6
55°	5938.3	4788.3	1023.6	486.0	428.5	404.4	378.0	359.6	349.2	344.6	344.6
57.5°	6858.5	5635.0	1200.5	480.2	415.9	387.2	358.4	340.1	328.6	321.7	321.7
60°	7794.8	6529.9	1638.2	472.2	404.4	365.3	336.6	319.4	304.4	296.4	295.2
62.5°	8765.5	7515.6	2214.9	476.8	396.3	344.6	313.6	294.1	281.5	273.4	272.3
65°	9654.7	8454.2	2719.3	512.4	397.5	326.3	287.2	270.0	259.6	249.3	248.1
67.5°	10409.5	8972.3	2365.4	584.8	421.6	304.4	260.8	243.6	234.4	227.5	226.3
70°	9881.1	8181.9	1341.8	629.6	454.9	281.5	230.9	219.4	210.2	205.6	204.5
72.5°	8449.6	6927.4	897.2	556.0	414.7	251.6	203.3	194.2	187.3	181.5	180.4
75°	6844.7	5493.7	685.8	456.1	322.8	204.5	174.6	167.7	160.8	155.1	153.9
77.5°	4049.6	3174.2	505.5	360.7	227.5	159.7	144.8	139.0	132.1	127.5	126.4
80°	1292.4	1102.9	320.5	248.1	150.5	122.9	111.4	106.8	99.9	94.2	93.1
82.5°	492.8	426.2	170.0	126.4	99.9	83.9	74.7	70.1	65.5	59.7	58.6
85°	218.3	204.5	94.2	67.8	54.0	41.4	36.8	34.5	28.7	24.1	23.0
87.5°	77.0	77.0	40.2	19.5	11.5	5.7	3.4	1.1	0.0	0.0	0.0
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)