

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: P635066

Luminaire Tested: GWS-SA3D-722-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635066
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12701.1 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

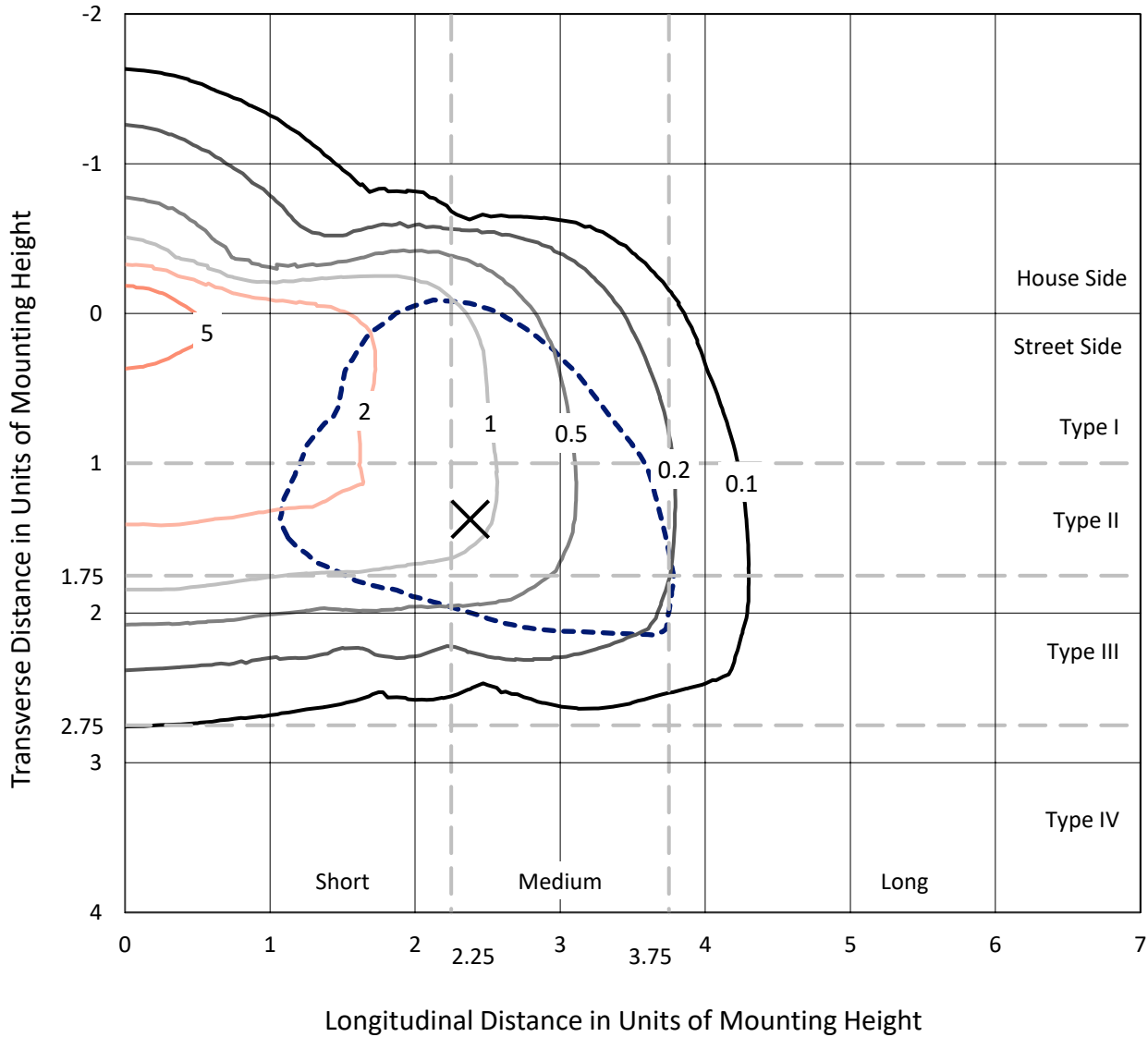
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

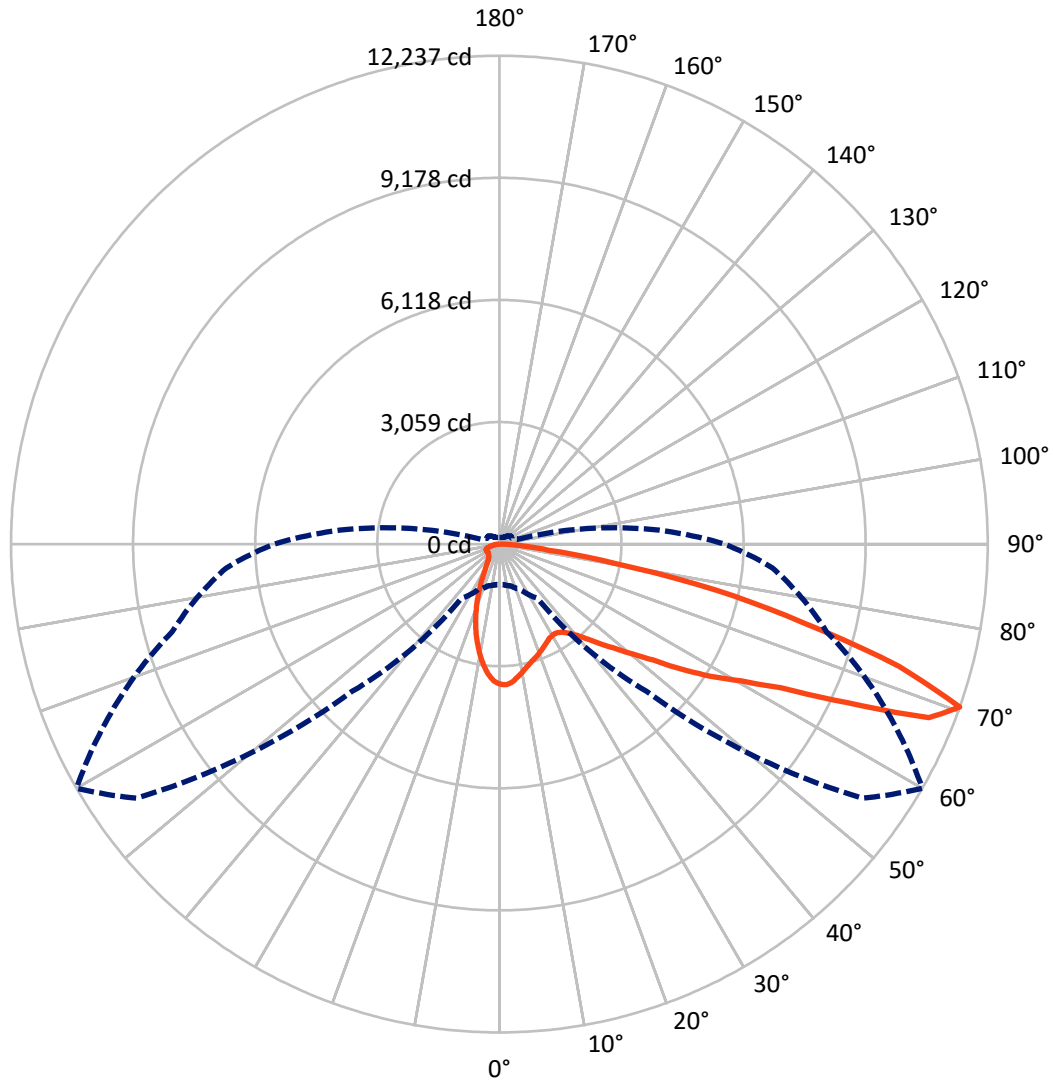
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2172.2	0.0	2172.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	10528.9	0.0	10528.9
	% Fixture	82.9	0.0	82.9
Total	Lumens	12701.1	0.0	12701.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.9	2.4
10°-20°	678.7	5.3
20°-30°	869.2	6.8
30°-40°	1142.3	9.0
40°-50°	1657.3	13.0
50°-60°	2585.8	20.4
60°-70°	3385.3	26.7
70°-80°	1871.9	14.7
80°-90°	207.7	1.6
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°	12701.1	100.0
0°-180°	12701.1	100.0

Coefficient of Utilization



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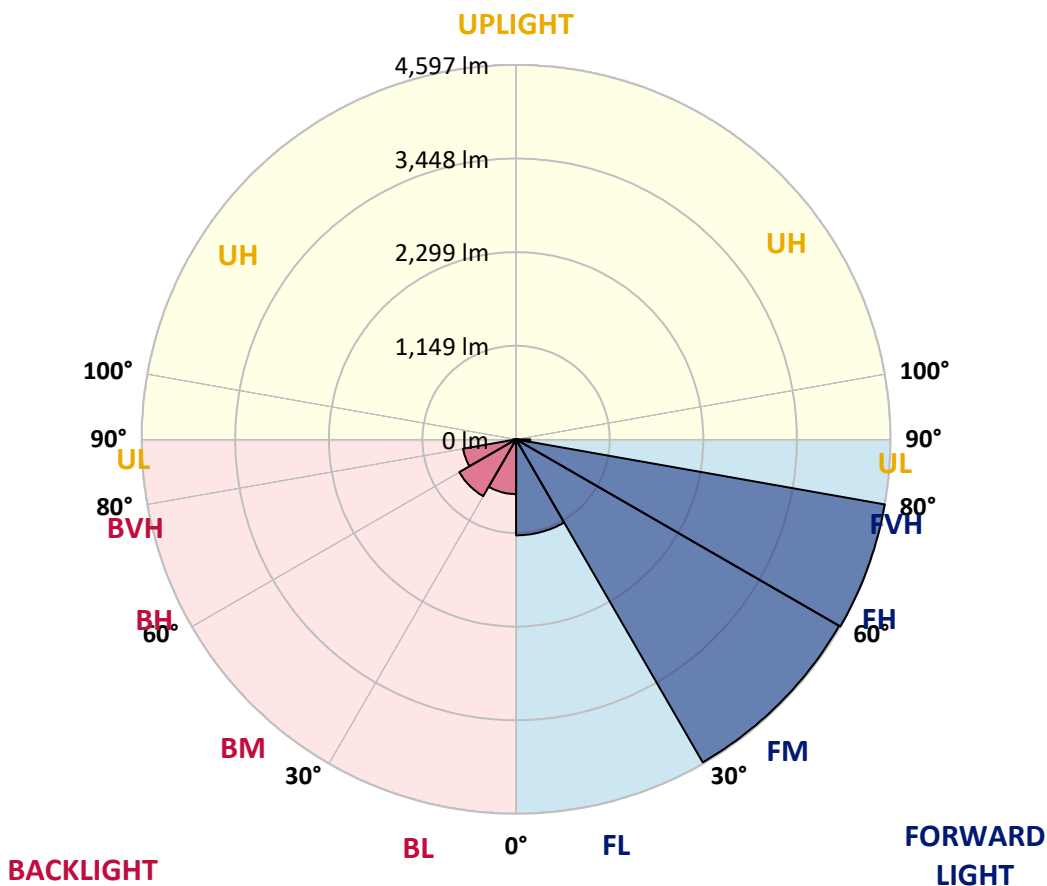
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1178.7	9.3			
FM (30°-60°)	4580.0	36.1			
FH (60°-80°)	4597.1	36.2			G2/5000
FVH (80°-90°)	173.1	1.4			G2/225
BL (0°-30°)	672.0	5.3	B2/1000		
BM (30°-60°)	805.4	6.3	B1/1000		
BH (60°-80°)	660.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	34.6	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6
2.5°	3465.3	3469.0	3479.2	3494.1	3509.0	3516.4	3535.0	3529.4	3525.7	3518.3	3509.0
5°	3312.0	3319.4	3328.7	3357.5	3390.0	3416.1	3457.9	3462.5	3464.4	3468.1	3453.2
7.5°	3116.8	3118.7	3141.0	3179.1	3221.8	3266.4	3336.1	3355.7	3372.4	3391.0	3378.9
10°	2901.2	2905.9	2922.6	2977.4	3050.8	3116.8	3210.7	3243.2	3278.5	3319.4	3302.7
12.5°	2724.7	2725.6	2752.5	2811.1	2891.0	2980.2	3097.3	3136.3	3182.8	3246.9	3232.1
15°	2584.3	2584.3	2609.4	2659.6	2751.6	2856.6	2996.0	3046.2	3109.4	3195.8	3169.8
17.5°	2472.8	2473.8	2489.6	2542.5	2624.3	2740.5	2905.9	2973.7	3043.4	3157.7	3118.7
20°	2414.3	2409.6	2412.4	2445.0	2514.6	2627.1	2815.7	2894.7	2988.6	3131.7	3072.2
22.5°	2411.5	2403.1	2391.1	2393.8	2434.7	2527.7	2719.1	2814.8	2932.8	3110.3	3024.8
25°	2458.9	2449.6	2428.2	2404.1	2400.3	2456.1	2628.0	2736.7	2875.2	3101.0	2979.3
27.5°	2538.8	2532.3	2504.4	2468.2	2430.1	2428.2	2559.3	2672.6	2833.4	3110.3	2946.8
30°	2644.7	2633.6	2615.9	2569.5	2511.9	2452.4	2532.3	2638.2	2805.5	3140.1	2932.8
32.5°	2764.6	2758.1	2741.4	2694.9	2633.6	2538.8	2553.7	2645.7	2805.5	3192.1	2935.6
35°	2891.9	2891.0	2891.0	2860.3	2792.5	2674.5	2638.2	2708.9	2848.3	3275.7	2965.4
37.5°	3015.5	3014.6	3044.3	3055.5	2978.4	2851.0	2782.3	2835.3	2942.1	3399.3	3038.8
40°	3115.9	3119.6	3184.7	3240.4	3197.7	3079.7	2983.0	3010.0	3094.5	3575.0	3167.0
42.5°	3217.2	3227.4	3325.0	3423.5	3440.2	3338.0	3240.4	3256.2	3312.9	3807.3	3358.4
45°	3327.8	3332.4	3469.0	3606.6	3687.4	3627.0	3547.1	3568.5	3581.5	4094.4	3643.7
47.5°	3434.6	3446.7	3623.3	3811.9	3965.3	3959.7	3915.1	3908.6	3911.4	4443.8	3981.1
50°	3580.5	3598.2	3805.4	4033.1	4258.0	4361.1	4374.1	4324.9	4304.5	4832.3	4401.1
52.5°	3857.5	3857.5	4043.3	4267.3	4569.3	4824.9	4912.2	4831.4	4766.3	5243.0	4847.2
55°	4204.1	4219.0	4366.7	4547.9	4930.8	5312.7	5608.2	5519.0	5335.0	5690.0	5314.6
57.5°	4358.4	4376.9	4611.1	4892.7	5403.8	5867.5	6277.3	6245.7	5977.2	6154.7	5799.7
60°	4079.6	4118.6	4441.1	4913.1	5832.2	6762.4	7051.4	6959.4	6575.6	6642.5	6325.6
62.5°	3403.0	3445.8	3803.6	4462.4	5772.7	7729.8	8271.6	7932.4	7322.8	7258.7	7026.3
65°	2030.5	2028.6	2458.9	3332.4	5039.5	7998.4	10202.6	9569.8	8476.9	8104.3	7747.5
67.5°	1290.8	1288.0	1378.1	1765.6	3353.8	7340.4	11444.2	11608.6	10044.6	8726.0	7806.9
70°	1018.5	1017.6	1082.6	1259.2	1658.8	5223.5	11098.5	12236.8	10991.6	8489.0	6873.9
72.5°	742.5	744.4	844.7	1054.7	1279.6	2622.4	8987.1	10470.3	10109.7	7493.8	5580.4
75°	533.4	536.2	596.6	807.5	1180.2	1433.9	5976.2	7872.9	7691.7	6006.9	3838.9
77.5°	339.2	342.9	395.9	565.9	953.4	1157.9	3623.3	5558.1	5117.6	3384.5	1365.1
80°	207.2	219.3	263.9	421.9	762.0	868.9	1811.2	2928.2	2563.0	928.4	459.1
82.5°	106.9	116.2	158.9	261.1	525.0	762.9	1025.0	1230.4	793.6	388.4	244.4
85°	33.5	39.0	55.8	105.9	250.0	473.0	678.4	611.5	364.3	183.1	113.4
87.5°	8.4	8.4	9.3	9.3	10.2	21.4	131.0	138.5	96.6	57.6	46.5
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°	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6	3514.6
2.5°	3490.4	3468.1	3458.8	3457.9	3434.6	3401.2	3378.9	3363.1	3353.8	3351.9	3351.9
5°	3428.1	3399.3	3361.2	3332.4	3270.2	3207.0	3154.0	3124.3	3089.9	3085.2	3084.3
7.5°	3345.4	3303.6	3231.1	3150.3	3041.6	2936.5	2847.3	2786.9	2726.5	2715.4	2711.7
10°	3256.2	3199.5	3075.9	2933.8	2771.1	2614.1	2477.5	2370.6	2300.0	2249.8	2240.5
12.5°	3167.9	3092.7	2911.5	2699.6	2476.5	2261.9	2056.5	1881.8	1755.4	1682.0	1669.0
15°	3085.2	2980.2	2732.1	2461.7	2171.7	1878.1	1587.2	1360.5	1183.0	1119.8	1104.9
17.5°	3010.0	2878.9	2558.3	2215.4	1853.9	1470.1	1139.3	937.6	833.6	802.0	794.5
20°	2934.7	2774.8	2381.8	1956.1	1516.6	1086.3	832.6	737.9	698.8	686.7	683.0
22.5°	2853.8	2660.5	2189.4	1700.6	1175.5	813.1	681.2	639.3	627.3	628.2	627.3
25°	2773.0	2544.4	1987.7	1422.7	875.4	659.8	594.7	578.9	581.7	590.1	592.0
27.5°	2706.1	2441.2	1789.8	1117.9	684.0	567.8	537.1	536.2	546.4	557.6	559.4
30°	2657.8	2349.2	1594.7	859.6	563.1	504.6	492.5	498.1	510.2	518.5	521.3
32.5°	2623.4	2270.2	1386.5	675.6	493.5	460.0	454.4	460.0	467.4	475.8	477.7
35°	2611.3	2212.6	1182.1	551.1	446.1	427.5	423.8	426.5	430.3	434.9	436.8
37.5°	2638.2	2183.8	968.3	479.5	417.2	406.1	400.5	398.7	399.6	401.5	402.4
40°	2718.2	2196.8	793.6	437.7	398.7	388.4	379.1	375.4	374.5	376.4	375.4
42.5°	2855.7	2251.7	667.2	413.5	383.8	368.9	358.7	355.0	355.0	359.6	359.6
45°	3057.4	2359.5	576.2	395.9	370.8	352.2	341.0	339.2	342.9	350.3	351.3
47.5°	3352.9	2517.4	521.3	382.9	358.7	337.3	326.2	325.3	332.7	344.8	345.7
50°	3703.2	2745.1	491.6	373.6	350.3	325.3	314.1	315.0	323.4	336.4	339.2
52.5°	4125.1	3055.5	493.5	369.9	345.7	317.8	306.7	304.8	313.2	326.2	329.0
55°	4560.9	3432.8	529.7	370.8	339.2	314.1	299.2	292.7	300.2	309.5	310.4
57.5°	5040.4	3858.4	619.8	368.9	330.8	310.4	292.7	277.9	282.5	288.1	290.9
60°	5581.3	4359.3	814.1	372.6	327.1	302.0	279.7	260.2	259.3	263.0	263.9
62.5°	6304.3	5040.4	1032.4	379.1	335.5	291.8	260.2	239.8	236.0	237.9	238.8
65°	6857.2	5365.7	963.7	373.6	353.1	284.4	241.6	220.2	212.8	210.9	210.9
67.5°	6632.3	4935.4	670.9	358.7	361.5	285.3	226.7	199.8	190.5	185.9	184.9
70°	5643.6	4008.9	466.5	343.8	352.2	283.4	210.9	183.1	171.0	164.5	163.6
72.5°	4458.7	3061.1	377.3	314.1	319.7	255.6	187.7	164.5	154.3	145.9	145.9
75°	2869.6	1867.9	315.0	279.7	261.1	198.9	162.6	146.8	136.6	128.2	128.2
77.5°	965.5	693.2	244.4	237.0	195.2	149.6	136.6	126.4	118.0	110.6	109.7
80°	392.2	329.0	179.4	179.4	136.6	114.3	106.9	102.2	96.6	87.4	87.4
82.5°	227.7	199.8	125.5	108.7	91.1	79.0	74.3	69.7	69.7	63.2	63.2
85°	109.7	110.6	75.3	66.9	52.0	45.5	43.7	40.9	40.0	36.2	35.3
87.5°	59.5	60.4	38.1	29.7	20.4	17.7	14.9	13.9	13.0	12.1	12.1
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)