

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: P633412

Luminaire Tested: GWS-SA2E-760-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633412
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-SA2E-760-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14466 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

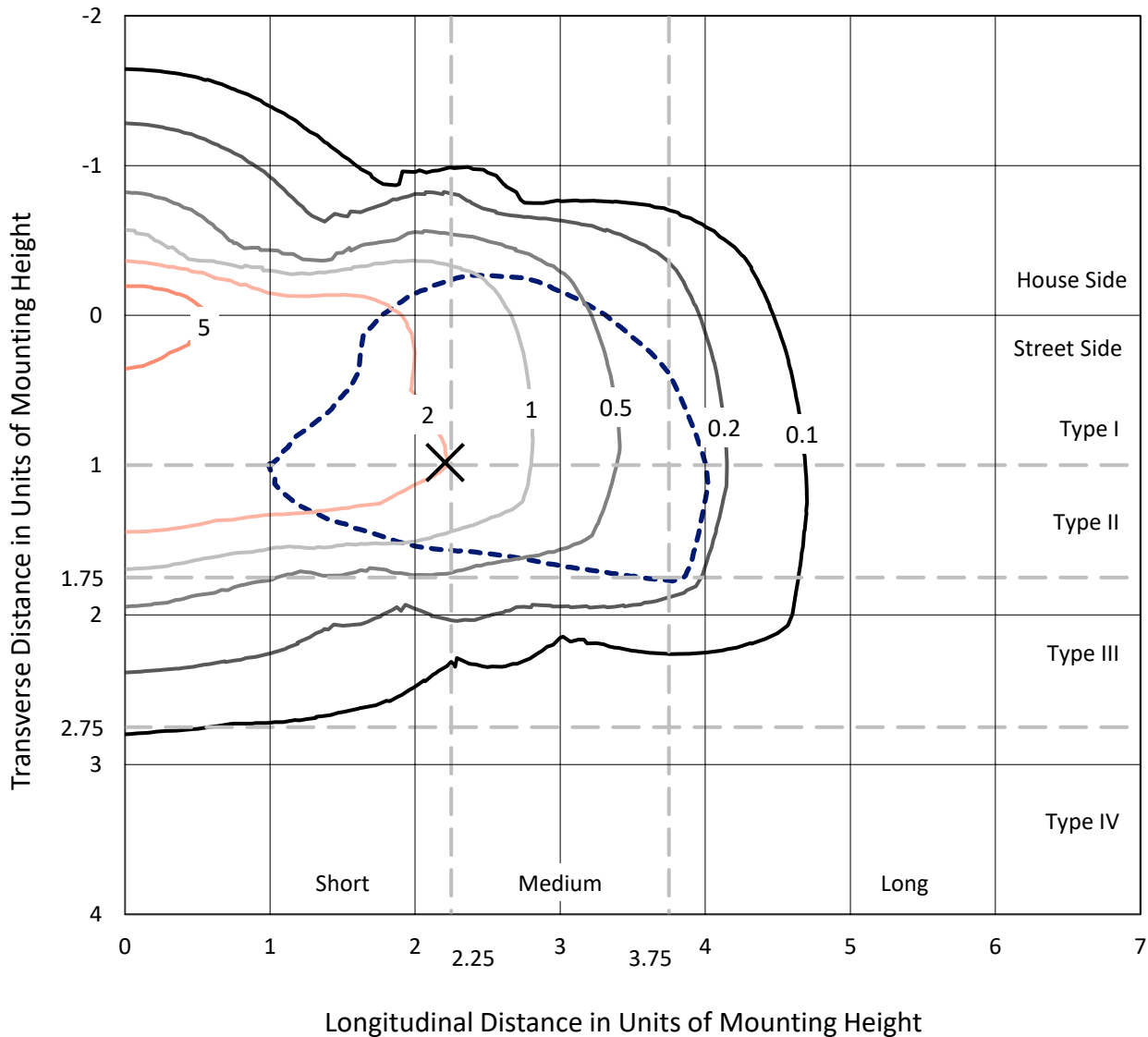
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

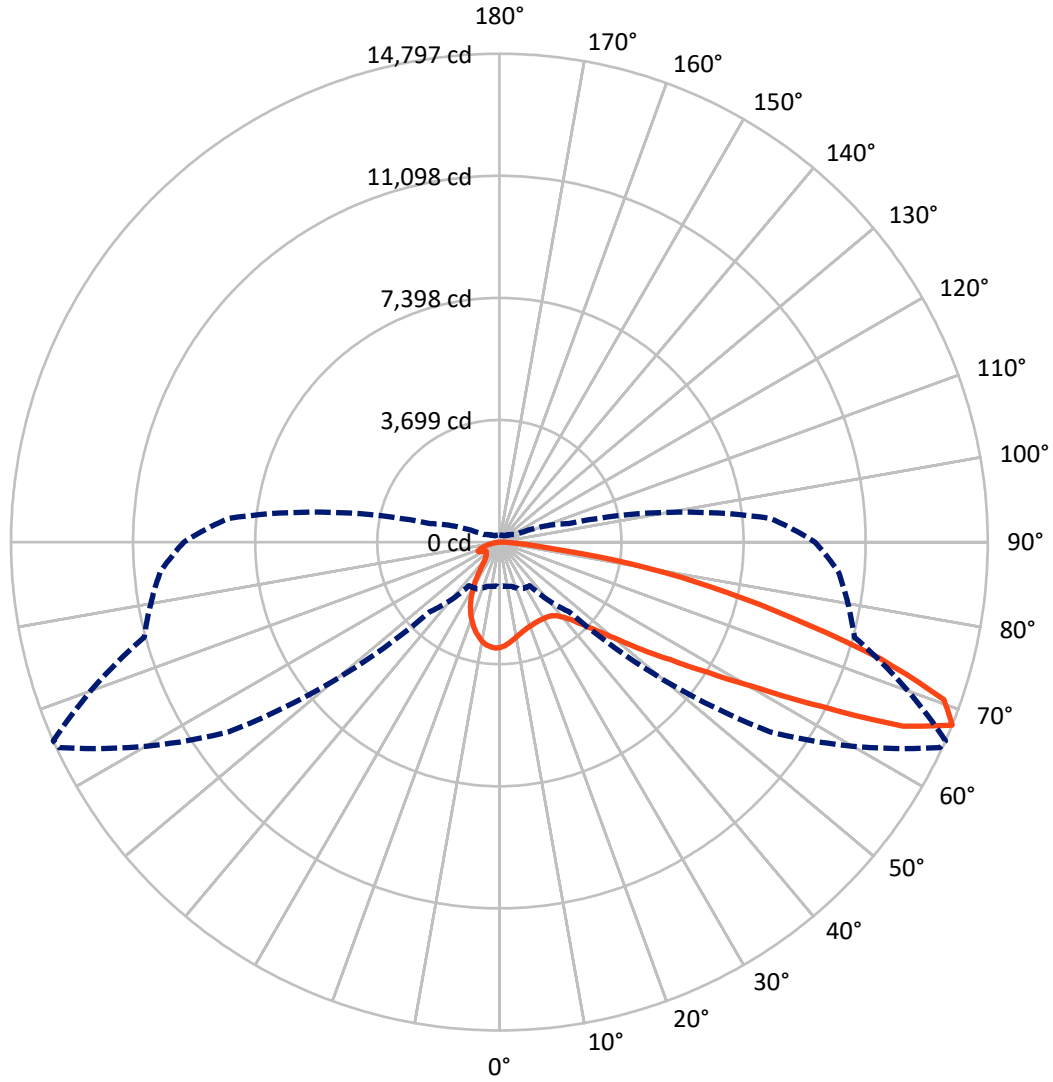
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 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	2935.5	0.0	2935.5
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	11530.5	0.0	11530.5
	% Fixture	79.7	0.0	79.7
Total	Lumens	14466.0	0.0	14466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.5	1.9
10°-20°	689.5	4.8
20°-30°	947.7	6.6
30°-40°	1295.6	9.0
40°-50°	1963.2	13.6
50°-60°	3051.9	21.1
60°-70°	3715.6	25.7
70°-80°	2263.4	15.6
80°-90°	258.5	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°	14466.0	100.0
0°-180°	14466.0	100.0

Coefficient of Utilization



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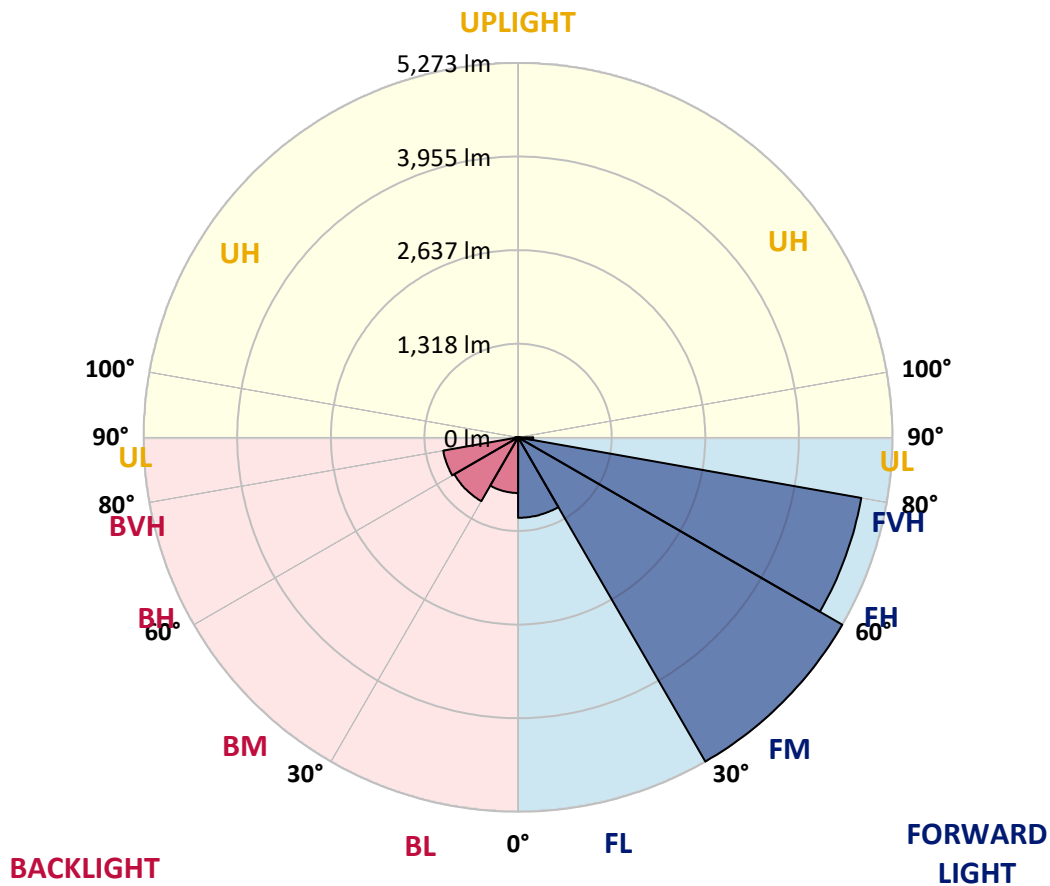
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1133.5	7.8			
FM (30°-60°)	5273.4	36.5			
FH (60°-80°)	4908.7	33.9			G2/5000
FVH (80°-90°)	214.9	1.5			G2/225
BL (0°-30°)	784.2	5.4	B2/1000		
BM (30°-60°)	1037.4	7.2	B2/2500		
BH (60°-80°)	1070.3	7.4	B3/2500		G3/2500
BVH (80°-90°)	43.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6
2.5°	2994.0	3004.5	2998.2	3038.3	3040.4	3091.0	3119.5	3143.8	3145.9	3177.6	3198.7
5°	2789.2	2795.6	2795.6	2833.5	2858.9	2926.4	2991.8	3061.5	3066.8	3142.8	3200.8
7.5°	2623.5	2629.9	2625.6	2676.3	2709.0	2783.9	2867.3	2973.9	2984.5	3106.9	3208.2
10°	2493.7	2491.6	2502.2	2548.6	2590.8	2680.5	2773.4	2894.8	2910.6	3065.7	3216.6
12.5°	2405.1	2407.2	2413.5	2462.1	2507.4	2596.1	2692.1	2824.0	2840.9	3018.2	3212.4
15°	2362.9	2358.6	2363.9	2408.2	2451.5	2529.6	2628.8	2764.9	2781.8	2976.0	3213.5
17.5°	2353.4	2350.2	2349.2	2380.8	2413.5	2486.3	2581.3	2719.6	2737.5	2948.6	3219.8
20°	2382.9	2378.7	2367.1	2380.8	2394.5	2455.7	2547.6	2686.9	2706.9	2930.6	3232.5
22.5°	2464.2	2456.8	2438.9	2422.0	2404.0	2441.0	2526.4	2662.6	2682.6	2919.0	3245.1
25°	2587.7	2581.3	2562.3	2524.3	2458.9	2452.6	2522.2	2652.0	2672.1	2910.6	3250.4
27.5°	2757.6	2748.1	2729.1	2674.2	2567.6	2495.8	2538.1	2651.0	2670.0	2901.1	3245.1
30°	2959.1	2952.8	2942.2	2875.8	2733.3	2587.7	2573.9	2659.4	2674.2	2895.8	3234.6
32.5°	3163.9	3157.5	3166.0	3134.3	2959.1	2739.6	2652.0	2682.6	2693.2	2894.8	3225.1
35°	3344.3	3351.7	3412.9	3418.2	3246.2	2945.4	2775.5	2736.5	2738.6	2915.9	3229.3
37.5°	3533.2	3561.7	3641.9	3710.5	3567.0	3217.7	2959.1	2837.8	2835.7	2969.7	3255.7
40°	3783.3	3796.0	3898.4	4027.1	3937.4	3591.3	3219.8	3003.5	2988.7	3079.4	3326.4
42.5°	4027.1	4057.7	4221.3	4369.0	4339.5	4012.3	3548.0	3251.5	3225.1	3273.6	3472.0
45°	4337.4	4366.9	4550.6	4740.5	4794.3	4488.3	3968.0	3603.9	3577.5	3565.9	3739.0
47.5°	4647.6	4678.2	4842.9	5117.3	5306.2	5083.5	4514.7	4069.3	4026.1	3980.7	4142.1
50°	4856.6	4892.5	5049.7	5379.0	5822.2	5826.4	5162.6	4679.3	4624.4	4552.7	4709.9
52.5°	4849.2	4872.4	5022.3	5402.2	6193.7	6680.2	6030.1	5456.0	5411.7	5255.5	5392.7
55°	4468.2	4503.1	4654.0	5128.9	6233.8	7489.6	7305.0	6372.0	6292.9	6013.2	6164.1
57.5°	3703.1	3732.7	3884.6	4470.4	5878.2	7904.4	8923.8	7539.2	7430.5	6838.5	7012.6
60°	2795.6	2759.7	2831.4	3344.3	5027.6	7914.9	10352.7	9122.2	8940.7	7720.7	7866.4
62.5°	2098.0	2062.1	2077.9	2222.5	3408.7	7275.4	11167.4	11287.7	10988.0	8717.0	8688.5
65°	1657.9	1637.9	1683.2	1782.4	1987.2	5540.4	11173.8	13629.5	13440.6	9871.5	9531.7
67.5°	1350.8	1338.2	1384.6	1568.2	1611.5	2977.1	10019.2	14722.8	14796.7	11135.8	10313.7
70°	1088.0	1069.0	1141.9	1383.5	1498.6	1801.4	7177.3	14165.6	14284.9	11889.3	10093.1
72.5°	751.4	752.4	789.4	1120.8	1446.8	1555.5	4059.8	11795.4	12053.9	11206.5	8873.2
75°	506.6	510.8	521.3	739.8	1332.9	1509.1	2163.4	8930.1	9112.7	9262.6	7334.5
77.5°	306.0	308.2	332.4	447.5	919.2	1408.9	1465.8	6473.4	6616.9	6106.1	4546.3
80°	177.3	184.7	206.8	299.7	620.5	1058.5	1134.5	3969.1	4131.6	2714.3	1444.7
82.5°	78.1	83.4	112.9	174.1	362.0	900.2	885.4	1568.2	1545.0	756.7	501.3
85°	13.7	16.9	24.3	54.9	133.0	474.9	687.0	692.3	651.1	287.0	207.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.2	103.4	185.7	184.7	81.3	71.8
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°	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6	3196.6
2.5°	3212.4	3183.9	3209.2	3212.4	3207.1	3202.9	3171.2	3143.8	3140.6	3111.1	3111.1
5°	3224.0	3197.6	3210.3	3186.0	3148.0	3109.0	3041.4	2995.0	2973.9	2935.9	2935.9
7.5°	3239.8	3212.4	3197.6	3137.5	3048.8	2963.3	2854.7	2763.9	2727.0	2673.1	2671.0
10°	3254.6	3219.8	3169.1	3052.0	2910.6	2774.4	2616.1	2487.4	2399.8	2335.4	2335.4
12.5°	3253.6	3208.2	3107.9	2934.9	2739.6	2542.3	2331.2	2137.0	2020.9	1920.7	1914.4
15°	3251.5	3189.2	3029.8	2798.7	2540.2	2266.8	1979.8	1726.5	1554.5	1456.3	1447.9
17.5°	3249.3	3164.9	2942.2	2643.6	2297.4	1924.9	1546.0	1271.7	1128.1	1068.0	1070.1
20°	3249.3	3137.5	2848.3	2465.2	2017.8	1515.4	1134.5	935.0	899.1	902.3	905.5
22.5°	3239.8	3103.7	2743.8	2271.1	1706.5	1114.4	836.9	769.3	788.3	817.9	822.1
25°	3217.7	3047.8	2622.5	2055.8	1336.0	811.5	682.8	670.1	705.0	741.9	752.4
27.5°	3182.9	2983.4	2486.3	1803.5	983.6	652.2	600.5	599.4	626.9	654.3	663.8
30°	3145.9	2911.6	2342.8	1522.8	712.3	567.8	547.7	547.7	561.4	578.3	576.2
32.5°	3102.7	2838.8	2188.7	1230.5	580.4	520.3	513.9	510.8	512.9	519.2	519.2
35°	3065.7	2774.4	2030.4	921.3	520.3	493.9	487.6	480.2	477.0	472.8	474.9
37.5°	3052.0	2723.8	1866.9	694.4	490.7	474.9	464.3	453.8	446.4	444.3	443.2
40°	3074.2	2702.7	1703.3	572.0	469.6	454.8	443.2	429.5	423.2	423.2	423.2
42.5°	3160.7	2718.5	1536.6	517.1	454.8	438.0	421.1	408.4	406.3	408.4	409.5
45°	3319.0	2779.7	1363.5	489.7	442.2	421.1	401.0	391.5	391.5	393.6	393.6
47.5°	3601.8	2940.1	1192.5	472.8	429.5	407.4	386.2	376.8	375.7	377.8	377.8
50°	4091.5	3229.3	1038.4	461.2	420.0	396.8	375.7	363.0	359.9	358.8	358.8
52.5°	4708.9	3730.6	940.3	452.7	408.4	385.2	364.1	347.2	340.9	337.7	337.7
55°	5455.0	4398.6	940.3	446.4	393.6	371.5	347.2	330.3	320.8	316.6	316.6
57.5°	6300.3	5176.4	1102.8	441.1	382.0	355.6	329.3	312.4	301.8	295.5	295.5
60°	7160.4	5998.5	1504.9	433.7	371.5	335.6	309.2	293.4	279.7	272.3	271.2
62.5°	8052.1	6903.9	2034.7	438.0	364.1	316.6	288.1	270.2	258.6	251.2	250.1
65°	8868.9	7766.1	2498.0	470.7	365.1	299.7	263.8	248.0	238.5	229.0	227.9
67.5°	9562.3	8242.1	2172.9	537.2	387.3	279.7	239.6	223.7	215.3	209.0	207.9
70°	9076.8	7516.0	1232.6	578.3	417.9	258.6	212.1	201.6	193.1	188.9	187.8
72.5°	7761.9	6363.6	824.2	510.8	381.0	231.1	186.8	178.3	172.0	166.7	165.7
75°	6287.6	5046.6	630.0	419.0	296.5	187.8	160.4	154.1	147.7	142.5	141.4
77.5°	3720.0	2915.9	464.3	331.4	209.0	146.7	133.0	127.7	121.4	117.1	116.1
80°	1187.2	1013.1	294.4	227.9	138.2	112.9	102.4	98.1	91.8	86.5	85.5
82.5°	452.7	391.5	156.2	116.1	91.8	77.0	68.6	64.4	60.2	54.9	53.8
85°	200.5	187.8	86.5	62.3	49.6	38.0	33.8	31.7	26.4	22.2	21.1
87.5°	70.7	70.7	36.9	17.9	10.6	5.3	3.2	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)