

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: P633357

Luminaire Tested: GWS-SA2E-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633357
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-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14667 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

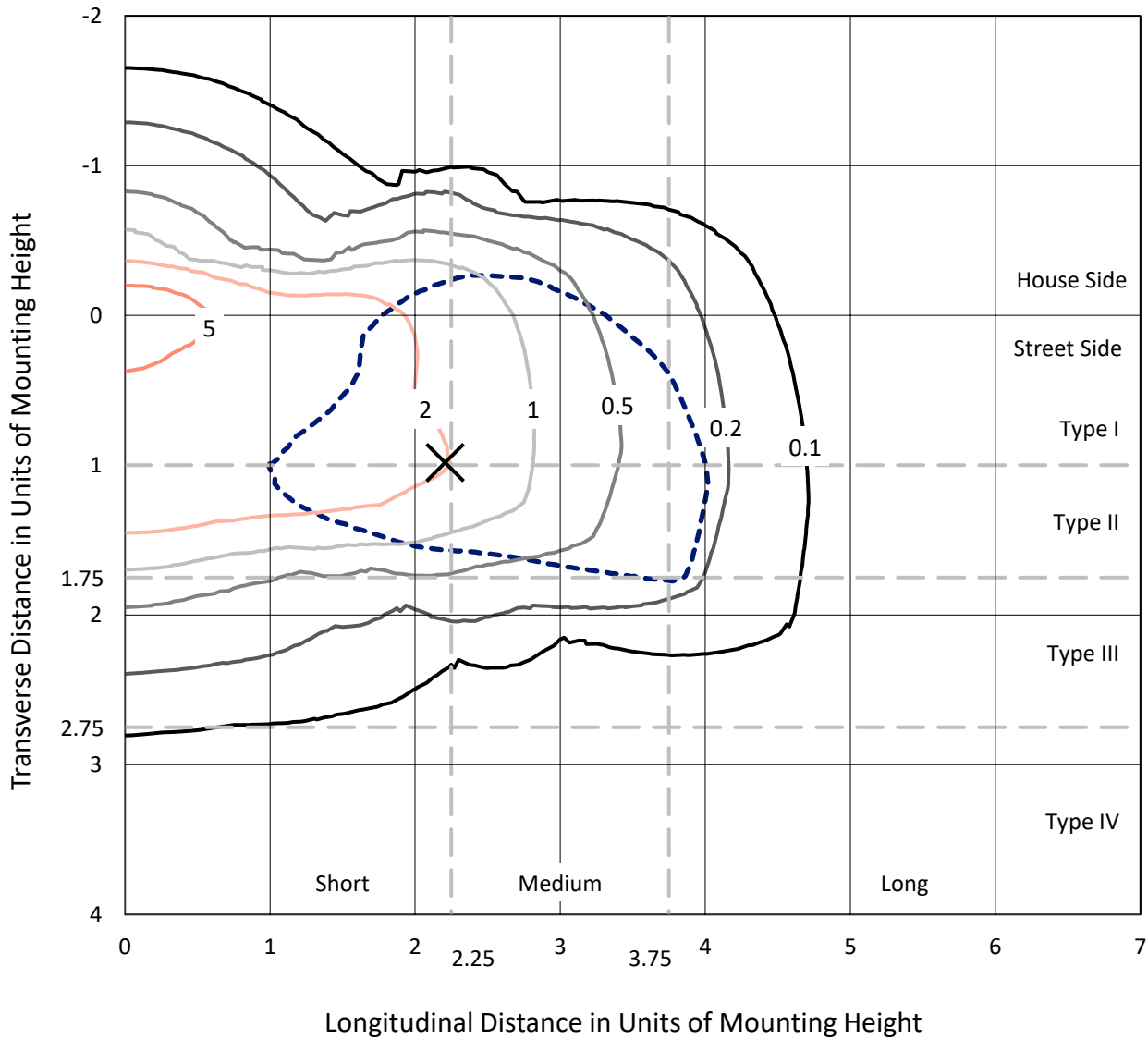
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

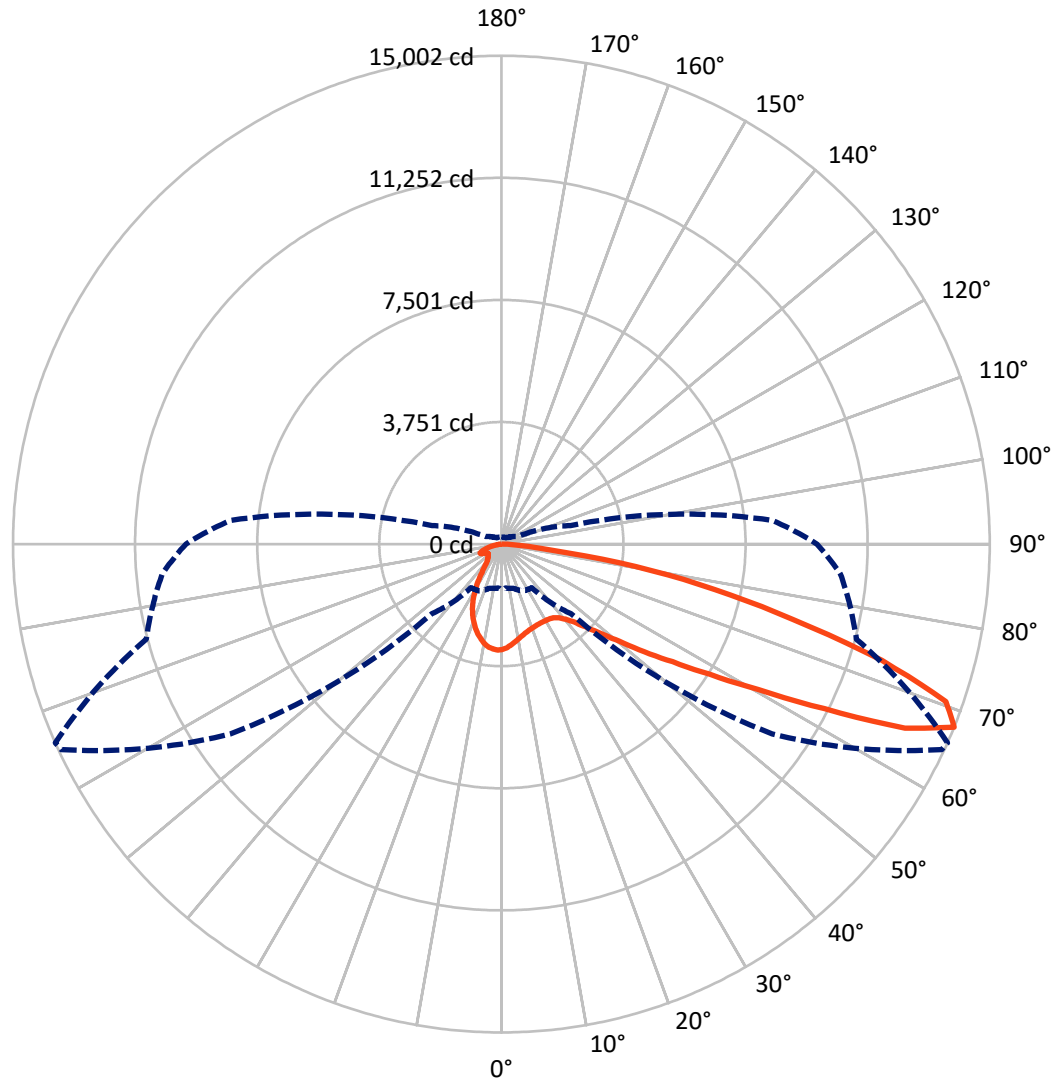
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 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	2976.3	0.0	2976.3
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	11690.7	0.0	11690.7
	% Fixture	79.7	0.0	79.7
Total	Lumens	14667.0	0.0	14667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.4	1.9
10°-20°	699.0	4.8
20°-30°	960.8	6.6
30°-40°	1313.6	9.0
40°-50°	1990.5	13.6
50°-60°	3094.3	21.1
60°-70°	3767.3	25.7
70°-80°	2294.8	15.6
80°-90°	262.1	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°	14667.0	100.0
0°-180°	14667.0	100.0

Coefficient of Utilization



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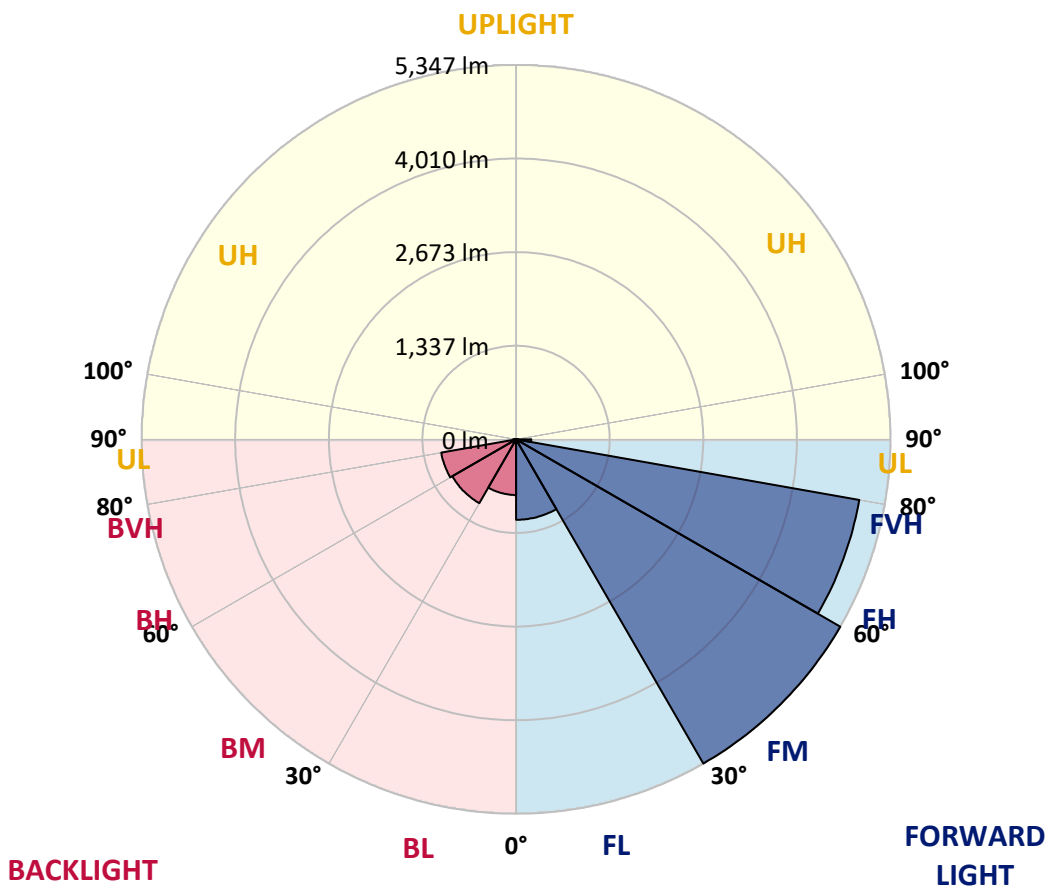
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.2	7.8			
FM (30°-60°)	5346.7	36.5			
FH (60°-80°)	4976.9	33.9			G2/5000
FVH (80°-90°)	217.9	1.5			G2/225
BL (0°-30°)	795.1	5.4	B2/1000		
BM (30°-60°)	1051.8	7.2	B2/2500		
BH (60°-80°)	1085.2	7.4	B3/2500		G3/2500
BVH (80°-90°)	44.2	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°	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0
2.5°	3035.6	3046.3	3039.8	3080.5	3082.6	3134.0	3162.9	3187.5	3189.6	3221.7	3243.1
5°	2828.0	2834.4	2834.4	2872.9	2898.6	2967.1	3033.4	3104.0	3109.4	3186.4	3245.3
7.5°	2660.0	2666.4	2662.1	2713.5	2746.7	2822.6	2907.2	3015.2	3025.9	3150.0	3252.8
10°	2528.4	2526.2	2536.9	2584.0	2626.8	2717.8	2811.9	2935.0	2951.0	3108.3	3261.3
12.5°	2438.5	2440.6	2447.1	2496.3	2542.3	2632.2	2729.5	2863.3	2880.4	3060.2	3257.0
15°	2395.7	2391.4	2396.8	2441.7	2485.6	2564.8	2665.3	2803.4	2820.5	3017.4	3258.1
17.5°	2386.1	2382.9	2381.8	2413.9	2447.1	2520.9	2617.2	2757.4	2775.5	2989.5	3264.5
20°	2416.0	2411.8	2400.0	2413.9	2427.8	2489.9	2582.9	2724.2	2744.5	2971.4	3277.4
22.5°	2498.4	2490.9	2472.7	2455.6	2437.4	2474.9	2561.5	2699.6	2719.9	2959.6	3290.2
25°	2623.6	2617.2	2597.9	2559.4	2493.1	2486.6	2557.3	2688.9	2709.2	2951.0	3295.6
27.5°	2795.9	2786.2	2767.0	2711.3	2603.3	2530.5	2573.3	2687.8	2707.1	2941.4	3290.2
30°	3000.2	2993.8	2983.1	2915.7	2771.3	2623.6	2609.7	2696.4	2711.3	2936.0	3279.5
32.5°	3207.8	3201.4	3210.0	3177.9	3000.2	2777.7	2688.9	2719.9	2730.6	2935.0	3269.9
35°	3390.8	3398.3	3460.3	3465.7	3291.3	2986.3	2814.1	2774.5	2776.6	2956.4	3274.2
37.5°	3582.3	3611.2	3692.5	3762.1	3616.6	3262.4	3000.2	2877.2	2875.1	3010.9	3300.9
40°	3835.9	3848.7	3952.5	4083.1	3992.1	3641.2	3264.5	3045.2	3030.2	3122.2	3372.6
42.5°	4083.1	4114.1	4279.9	4429.7	4399.8	4068.1	3597.3	3296.6	3269.9	3319.1	3520.3
45°	4397.6	4427.6	4613.8	4806.4	4861.0	4550.7	4023.2	3654.0	3627.3	3615.5	3791.0
47.5°	4712.2	4743.3	4910.2	5188.4	5379.9	5154.1	4577.4	4125.9	4082.0	4036.0	4199.7
50°	4924.1	4960.5	5119.9	5453.7	5903.1	5907.4	5234.4	4744.3	4688.7	4615.9	4775.4
52.5°	4916.6	4940.1	5092.1	5477.3	6279.8	6773.0	6113.9	5531.8	5486.9	5328.5	5467.6
55°	4530.3	4565.6	4718.6	5200.1	6320.4	7593.7	7406.4	6460.6	6380.3	6096.8	6249.8
57.5°	3754.6	3784.5	3938.6	4532.5	5959.8	8014.2	9047.8	7644.0	7533.8	6933.5	7110.1
60°	2834.4	2798.0	2870.8	3390.8	5097.4	8024.9	10496.6	9249.0	9064.9	7828.0	7975.7
62.5°	2127.1	2090.8	2106.8	2253.4	3456.1	7376.5	11322.6	11444.6	11140.7	8838.1	8809.2
65°	1680.9	1660.6	1706.6	1807.2	2014.8	5617.4	11329.0	13818.9	13627.4	10008.7	9664.1
67.5°	1369.6	1356.7	1403.8	1590.0	1633.9	3018.4	10158.5	14927.4	15002.3	11290.5	10457.0
70°	1103.2	1083.9	1157.7	1402.8	1519.4	1826.5	7277.0	14362.4	14483.3	12054.5	10233.4
72.5°	761.8	762.9	800.4	1136.3	1467.0	1577.2	4116.2	11959.2	12221.4	11362.2	8996.5
75°	513.6	517.9	528.6	750.1	1351.4	1530.1	2193.5	9054.2	9239.3	9391.3	7436.4
77.5°	310.3	312.4	337.0	453.7	932.0	1428.4	1486.2	6563.3	6708.8	6190.9	4609.5
80°	179.8	187.2	209.7	303.9	629.2	1073.2	1150.2	4024.2	4189.0	2752.0	1464.8
82.5°	79.2	84.5	114.5	176.5	367.0	912.7	897.7	1590.0	1566.5	767.2	508.2
85°	13.9	17.1	24.6	55.6	134.8	481.5	696.6	701.9	660.2	291.0	210.8
87.5°	0.0	0.0	0.0	0.0	0.0	3.2	104.9	188.3	187.2	82.4	72.8
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°	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0	3241.0
2.5°	3257.0	3228.2	3253.8	3257.0	3251.7	3247.4	3215.3	3187.5	3184.3	3154.3	3154.3
5°	3268.8	3242.1	3254.9	3230.3	3191.8	3152.2	3083.7	3036.6	3015.2	2976.7	2976.7
7.5°	3284.9	3257.0	3242.1	3181.1	3091.2	3004.5	2894.3	2802.3	2764.8	2710.3	2708.1
10°	3299.8	3264.5	3213.2	3094.4	2951.0	2813.0	2652.5	2522.0	2433.2	2367.9	2367.9
12.5°	3298.8	3252.8	3151.1	2975.6	2777.7	2577.6	2363.6	2166.7	2049.0	1947.4	1941.0
15°	3296.6	3233.5	3071.9	2837.6	2575.5	2298.3	2007.3	1750.5	1576.1	1476.6	1468.0
17.5°	3294.5	3208.9	2983.1	2680.3	2329.4	1951.7	1567.5	1289.3	1143.8	1082.8	1085.0
20°	3294.5	3181.1	2887.9	2499.5	2045.8	1536.5	1150.2	948.0	911.6	914.8	918.0
22.5°	3284.9	3146.8	2782.0	2302.6	1730.2	1129.9	848.5	780.0	799.3	829.2	833.5
25°	3262.4	3090.1	2658.9	2084.3	1354.6	822.8	692.3	679.4	714.8	752.2	762.9
27.5°	3227.1	3024.9	2520.9	1828.6	997.2	661.3	608.8	607.8	635.6	663.4	673.0
30°	3189.6	2952.1	2375.4	1544.0	722.2	575.7	555.3	555.3	569.2	586.4	584.2
32.5°	3145.8	2878.3	2219.2	1247.6	588.5	527.5	521.1	517.9	520.0	526.4	526.4
35°	3108.3	2813.0	2058.7	934.1	527.5	500.8	494.3	486.8	483.6	479.4	481.5
37.5°	3094.4	2761.6	1892.8	704.1	497.5	481.5	470.8	460.1	452.6	450.5	449.4
40°	3116.9	2740.2	1727.0	579.9	476.1	461.2	449.4	435.5	429.1	429.1	429.1
42.5°	3204.6	2756.3	1557.9	524.3	461.2	444.0	426.9	414.1	411.9	414.1	415.2
45°	3365.1	2818.3	1382.4	496.5	448.3	426.9	406.6	397.0	397.0	399.1	399.1
47.5°	3651.9	2981.0	1209.1	479.4	435.5	413.0	391.6	382.0	380.9	383.1	383.1
50°	4148.3	3274.2	1052.9	467.6	425.9	402.3	380.9	368.1	364.9	363.8	363.8
52.5°	4774.3	3782.4	953.4	459.0	414.1	390.5	369.1	352.0	345.6	342.4	342.4
55°	5530.8	4459.7	953.4	452.6	399.1	376.6	352.0	334.9	325.3	321.0	321.0
57.5°	6387.8	5248.3	1118.1	447.3	387.3	360.6	333.8	316.7	306.0	299.6	299.6
60°	7259.9	6081.8	1525.8	439.8	376.6	340.3	313.5	297.5	283.5	276.1	275.0
62.5°	8164.0	6999.9	2062.9	444.0	369.1	321.0	292.1	273.9	262.1	254.7	253.6
65°	8992.2	7874.0	2532.7	477.2	370.2	303.9	267.5	251.4	241.8	232.2	231.1
67.5°	9695.2	8356.6	2203.1	544.6	392.7	283.5	242.9	226.8	218.3	211.9	210.8
70°	9203.0	7620.4	1249.7	586.4	423.7	262.1	215.1	204.4	195.8	191.5	190.5
72.5°	7869.8	6452.0	835.7	517.9	386.3	234.3	189.4	180.8	174.4	169.1	168.0
75°	6375.0	5116.7	638.8	424.8	300.7	190.5	162.6	156.2	149.8	144.4	143.4
77.5°	3771.7	2956.4	470.8	336.0	211.9	148.7	134.8	129.5	123.0	118.8	117.7
80°	1203.7	1027.2	298.5	231.1	140.2	114.5	103.8	99.5	93.1	87.7	86.7
82.5°	459.0	397.0	158.4	117.7	93.1	78.1	69.5	65.3	61.0	55.6	54.6
85°	203.3	190.5	87.7	63.1	50.3	38.5	34.2	32.1	26.7	22.5	21.4
87.5°	71.7	71.7	37.4	18.2	10.7	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)