

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: P635342

Luminaire Tested: GWS-SA3D-750-U-SL4-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-SL4-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

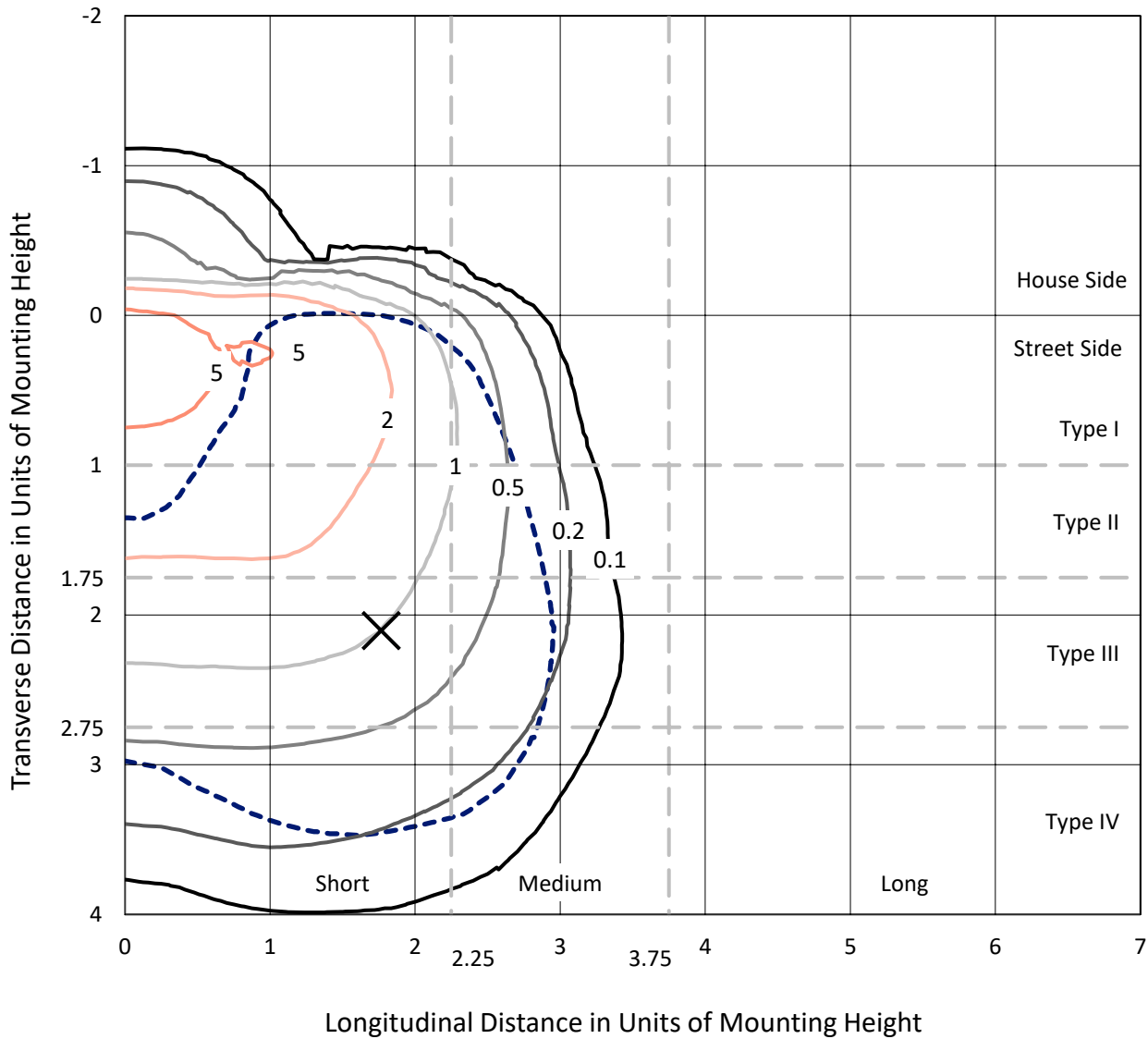
Lumens per Lamp: N/A  
Luminaire Lumens: 14183.6 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

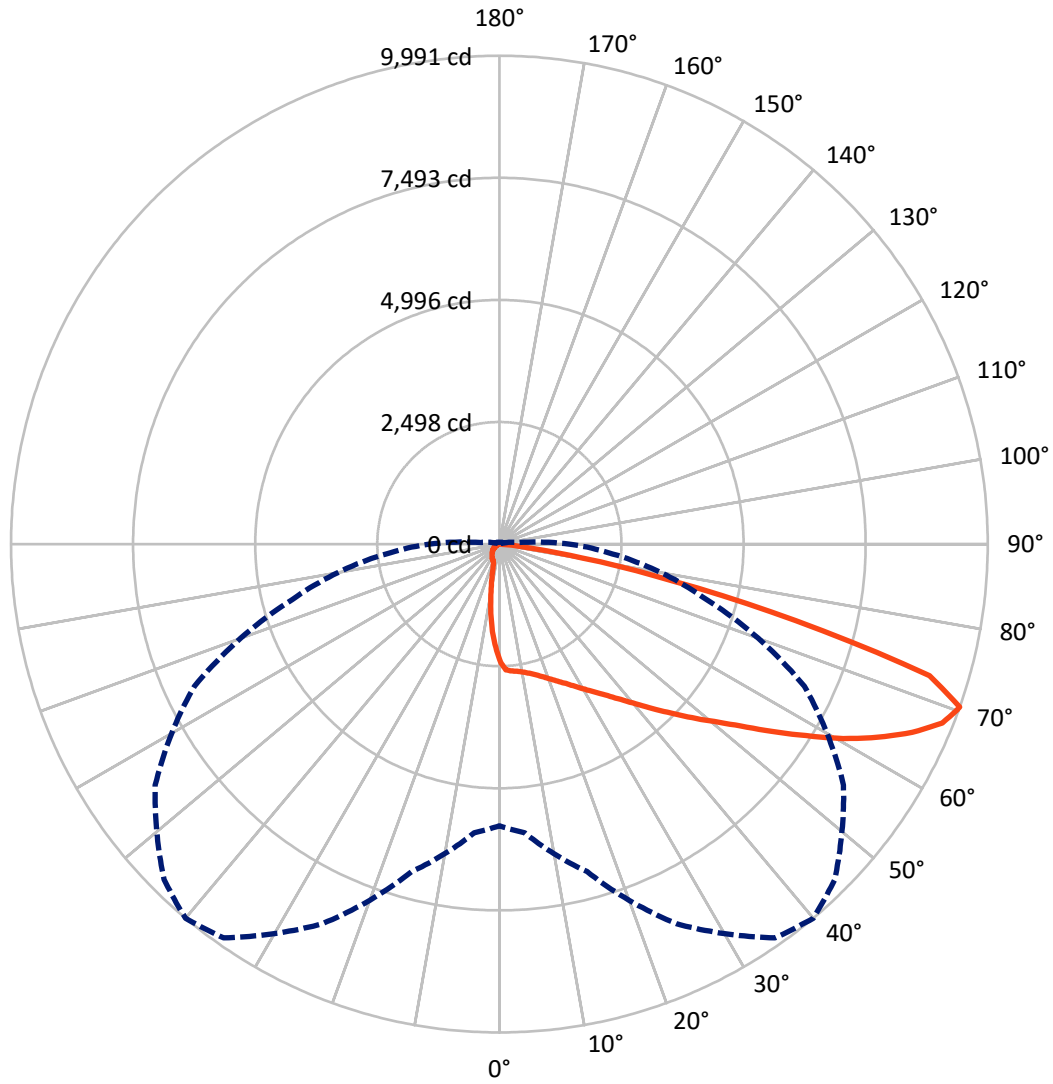
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.5 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
<b>House Side</b>	Lumens	1159.8	0.0	1159.8
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	13023.7	0.0	13023.7
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	14183.6	0.0	14183.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.4	1.4
10°-20°	515.9	3.6
20°-30°	863.5	6.1
30°-40°	1356.2	9.6
40°-50°	2145.2	15.1
50°-60°	3129.3	22.1
60°-70°	3879.2	27.4
70°-80°	1962.7	13.8
80°-90°	128.1	0.9
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°	14183.6	100.0
0°-180°	14183.6	100.0

**Coefficient of Utilization**



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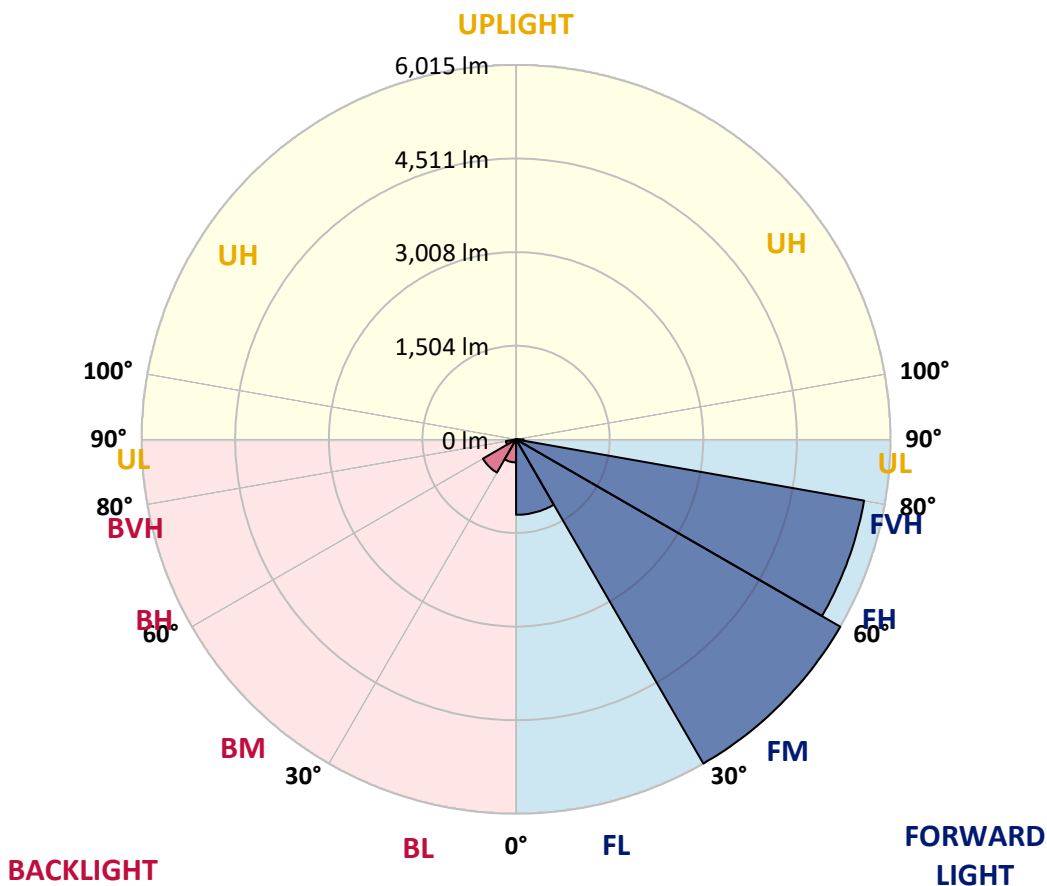
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1212.4	8.5			
FM (30°-60°)	6015.1	42.4			
FH (60°-80°)	5676.5	40.0			G3/7500
FVH (80°-90°)	119.7	0.8			G2/225
BL (0°-30°)	370.4	2.6	B1/500		
BM (30°-60°)	615.6	4.3	B1/1000		
BH (60°-80°)	165.4	1.2	B1/500		G1/500
BVH (80°-90°)	8.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8
2.5°	2587.5	2596.5	2595.2	2599.1	2590.0	2575.8	2573.3	2553.9	2519.1	2475.2	2426.1
5°	2640.4	2650.7	2642.9	2639.1	2622.3	2606.8	2602.9	2582.3	2542.3	2482.9	2397.8
7.5°	2685.5	2688.1	2683.0	2673.9	2649.4	2628.8	2614.6	2586.2	2538.4	2479.1	2381.0
10°	2693.3	2692.0	2694.6	2695.9	2680.4	2662.3	2650.7	2612.0	2551.3	2488.1	2382.3
12.5°	2684.2	2684.2	2701.0	2720.4	2720.4	2711.3	2699.7	2664.9	2593.9	2519.1	2408.1
15°	2695.9	2699.7	2732.0	2768.1	2779.7	2770.7	2765.5	2729.4	2655.9	2573.3	2454.5
17.5°	2737.2	2741.0	2792.6	2846.8	2861.0	2850.7	2840.4	2804.3	2725.5	2635.2	2507.4
20°	2797.8	2808.1	2873.9	2943.6	2956.5	2943.6	2923.0	2872.7	2793.9	2702.3	2557.8
22.5°	2908.8	2915.2	2986.2	3059.8	3066.2	3045.6	3014.6	2944.9	2862.3	2773.3	2614.6
25°	3055.9	3064.9	3135.9	3206.9	3190.1	3159.1	3116.6	3037.8	2943.6	2857.2	2686.8
27.5°	3231.4	3241.7	3311.4	3373.4	3329.5	3293.4	3245.6	3147.5	3052.0	2973.3	2779.7
30°	3421.1	3430.2	3492.1	3547.6	3489.5	3446.9	3390.1	3289.5	3192.7	3133.3	2911.4
32.5°	3604.4	3603.1	3662.4	3707.6	3648.3	3614.7	3563.1	3461.1	3383.7	3357.9	3107.5
35°	3774.7	3774.7	3823.8	3868.9	3826.3	3808.3	3760.5	3679.2	3635.3	3666.3	3369.5
37.5°	3946.4	3937.3	3983.8	4034.1	4030.2	4031.5	4004.4	3965.7	3968.3	4078.0	3729.6
40°	4088.3	4084.4	4138.6	4204.5	4256.1	4297.4	4280.6	4294.8	4376.1	4581.3	4190.3
42.5°	4201.9	4210.9	4280.6	4385.1	4515.5	4599.4	4611.0	4669.0	4878.1	5195.6	4710.3
45°	4332.2	4333.5	4430.3	4590.3	4798.1	4931.0	4977.5	5127.2	5424.0	5833.1	5280.7
47.5°	4492.2	4476.8	4585.2	4809.7	5110.4	5306.5	5389.1	5576.3	6035.7	6455.1	5745.3
50°	4669.0	4640.6	4763.2	5069.1	5460.1	5705.3	5873.1	6146.7	6642.2	6966.1	6091.2
52.5°	4874.2	4847.1	4986.5	5367.2	5879.5	6177.6	6393.1	6669.3	7162.3	7355.9	6297.7
55°	5134.9	5107.8	5254.9	5724.7	6375.1	6762.2	6988.1	7220.4	7646.2	7643.6	6447.3
57.5°	5424.0	5386.6	5590.5	6176.3	6993.2	7395.9	7625.6	7739.1	8014.0	7866.9	6548.0
60°	5755.6	5722.1	6004.7	6714.5	7706.9	8079.8	8224.4	8177.9	8316.0	7998.5	6513.2
62.5°	6055.0	6039.6	6390.6	7284.9	8387.0	8701.9	8741.9	8539.3	8538.0	8001.1	6278.3
65°	6366.0	6395.7	6917.1	7941.8	9070.9	9282.6	9214.2	8898.0	8627.0	7684.9	5584.0
67.5°	6482.2	6568.7	7264.2	8535.4	9610.4	9775.6	9655.5	9077.4	8256.6	6621.6	4252.2
70°	5764.7	5927.3	6936.5	8568.9	9833.6	9991.1	9703.3	8594.7	6883.5	4386.4	2329.4
72.5°	4383.8	4573.5	5780.2	7016.5	8843.8	9202.6	8710.9	7002.3	4436.7	1921.6	782.0
75°	2453.2	2658.4	4305.1	5283.3	5937.6	6265.4	6084.7	4492.2	1965.4	502.0	233.6
77.5°	829.8	898.2	2002.9	3268.8	3919.3	3625.0	3068.8	2231.3	722.7	191.0	123.9
80°	491.7	517.5	745.9	1627.3	2062.2	1709.9	1349.9	824.6	367.8	101.9	86.5
82.5°	147.1	174.2	411.7	604.0	807.9	503.3	425.9	471.0	191.0	55.5	72.3
85°	0.0	0.0	87.8	187.1	211.6	82.6	82.6	267.1	34.8	23.2	52.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	6.5	3.9	5.2	11.6
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°	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8	2406.8
2.5°	2391.3	2346.1	2293.2	2242.9	2195.1	2133.2	2103.5	2067.4	2036.4	2019.6	2028.7
5°	2343.6	2272.6	2164.2	2054.5	1943.5	1839.0	1744.8	1681.5	1624.7	1595.1	1601.5
7.5°	2302.3	2206.8	2037.7	1858.3	1680.2	1500.9	1355.0	1241.5	1153.7	1117.6	1111.1
10°	2284.2	2164.2	1925.4	1667.3	1393.7	1152.4	945.9	820.8	731.7	687.8	695.6
12.5°	2293.2	2142.2	1829.9	1480.2	1125.3	844.0	646.5	529.1	465.9	440.1	433.6
15°	2319.0	2137.1	1744.8	1289.2	868.5	589.8	446.5	398.8	385.9	383.3	383.3
17.5°	2348.7	2138.4	1657.0	1095.6	659.4	437.5	382.0	373.0	369.1	366.5	367.8
20°	2378.4	2138.4	1556.3	899.5	495.6	378.1	363.9	357.5	353.6	352.3	352.3
22.5°	2414.5	2138.4	1444.1	717.5	397.5	358.8	347.1	343.3	339.4	338.1	336.8
25°	2458.4	2139.7	1320.2	561.4	361.3	342.0	332.9	329.1	325.2	322.6	322.6
27.5°	2521.6	2150.0	1183.4	437.5	340.7	326.5	318.8	314.9	311.0	307.1	307.1
30°	2613.3	2175.8	1029.8	361.3	321.3	309.7	302.0	299.4	295.5	291.7	290.4
32.5°	2750.1	2221.0	871.1	323.9	303.3	291.7	282.6	280.0	276.2	272.3	271.0
35°	2941.1	2303.5	716.2	300.7	280.0	268.4	263.3	262.0	256.8	252.9	252.9
37.5°	3221.1	2437.8	567.8	277.5	260.7	251.6	245.2	242.6	237.5	233.6	232.3
40°	3563.1	2612.0	441.4	259.4	242.6	233.6	227.1	223.3	216.8	211.6	209.1
42.5°	3999.3	2824.9	348.4	240.0	225.8	216.8	211.6	203.9	194.9	187.1	185.8
45°	4453.5	3044.3	287.8	222.0	210.4	202.6	196.2	185.8	172.9	163.9	161.3
47.5°	4802.0	3181.1	251.6	202.6	193.6	187.1	179.4	166.5	151.0	140.7	138.1
50°	5051.0	3201.7	224.5	184.5	179.4	172.9	161.3	145.8	129.1	118.7	116.1
52.5°	5173.6	3108.8	202.6	167.8	163.9	157.4	143.2	126.5	108.4	98.1	95.5
55°	5229.1	2933.3	182.0	153.6	148.4	140.7	125.2	107.1	89.0	80.0	77.4
57.5°	5207.2	2673.9	163.9	139.4	132.9	123.9	107.1	87.8	73.6	64.5	63.2
60°	5044.6	2310.0	145.8	125.2	117.4	107.1	90.3	72.3	59.4	52.9	51.6
62.5°	4693.6	1858.3	127.8	108.4	103.2	92.9	77.4	59.4	49.0	45.2	43.9
65°	3974.7	1313.7	109.7	91.6	89.0	78.7	64.5	49.0	42.6	40.0	38.7
67.5°	2857.2	798.8	92.9	78.7	76.1	67.1	54.2	42.6	38.7	37.4	37.4
70°	1436.3	378.1	73.6	64.5	64.5	55.5	46.5	38.7	37.4	36.1	36.1
72.5°	487.8	161.3	55.5	50.3	52.9	47.7	40.0	36.1	36.1	36.1	36.1
75°	166.5	85.2	38.7	36.1	38.7	38.7	34.8	34.8	36.1	36.1	36.1
77.5°	108.4	56.8	27.1	24.5	29.7	29.7	29.7	32.3	34.8	34.8	34.8
80°	89.0	31.0	18.1	16.8	21.9	21.9	24.5	29.7	32.3	32.3	32.3
82.5°	76.1	19.4	10.3	11.6	15.5	16.8	20.6	24.5	28.4	29.7	29.7
85°	51.6	10.3	7.7	9.0	10.3	12.9	16.8	20.6	23.2	25.8	25.8
87.5°	14.2	3.9	5.2	6.5	6.5	9.0	12.9	15.5	18.1	19.4	19.4
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)