

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: P633360

Luminaire Tested: GWS-SA2E-750-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-750-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

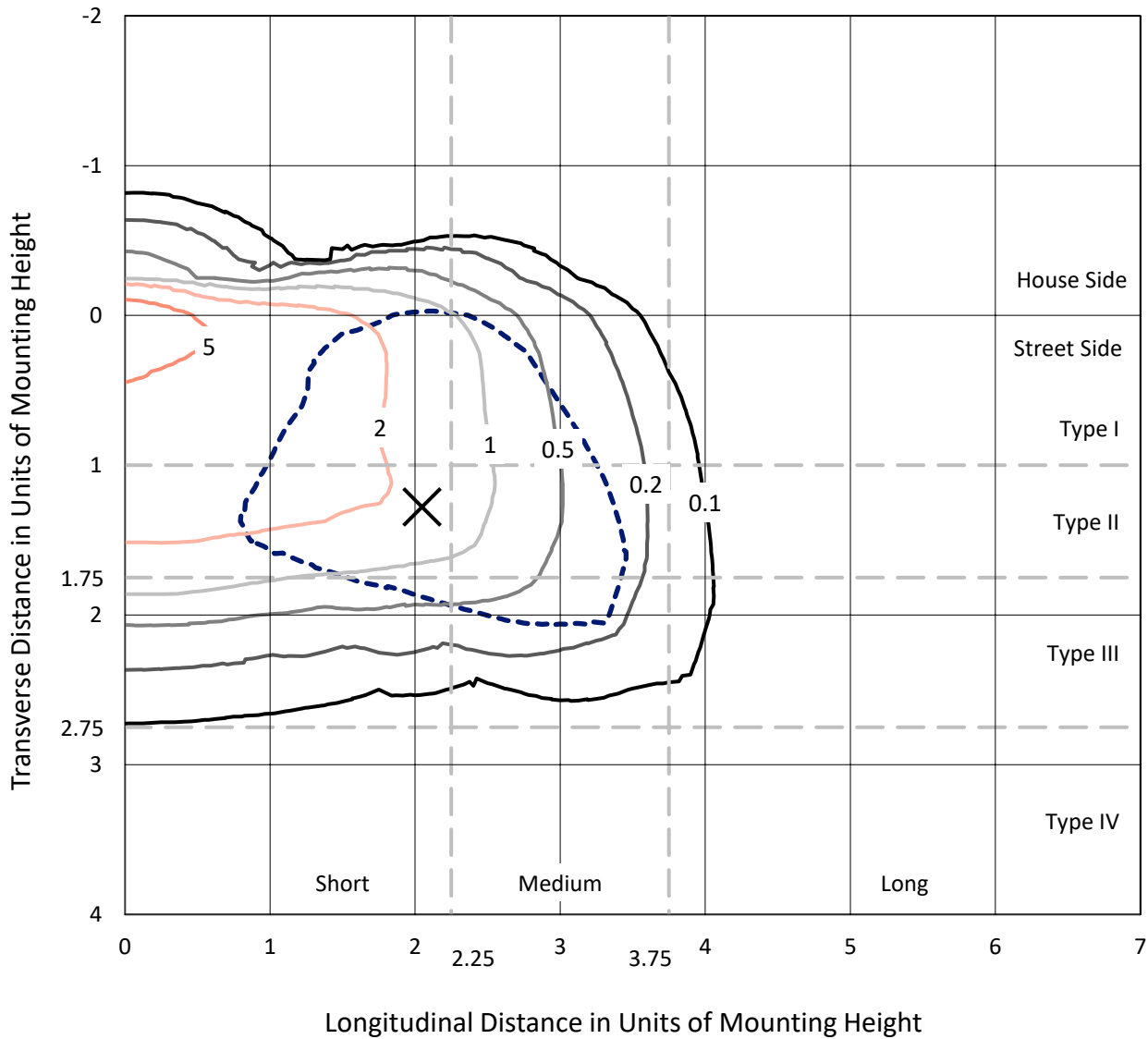
Lumens per Lamp: N/A  
Luminaire Lumens: 12088.4 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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

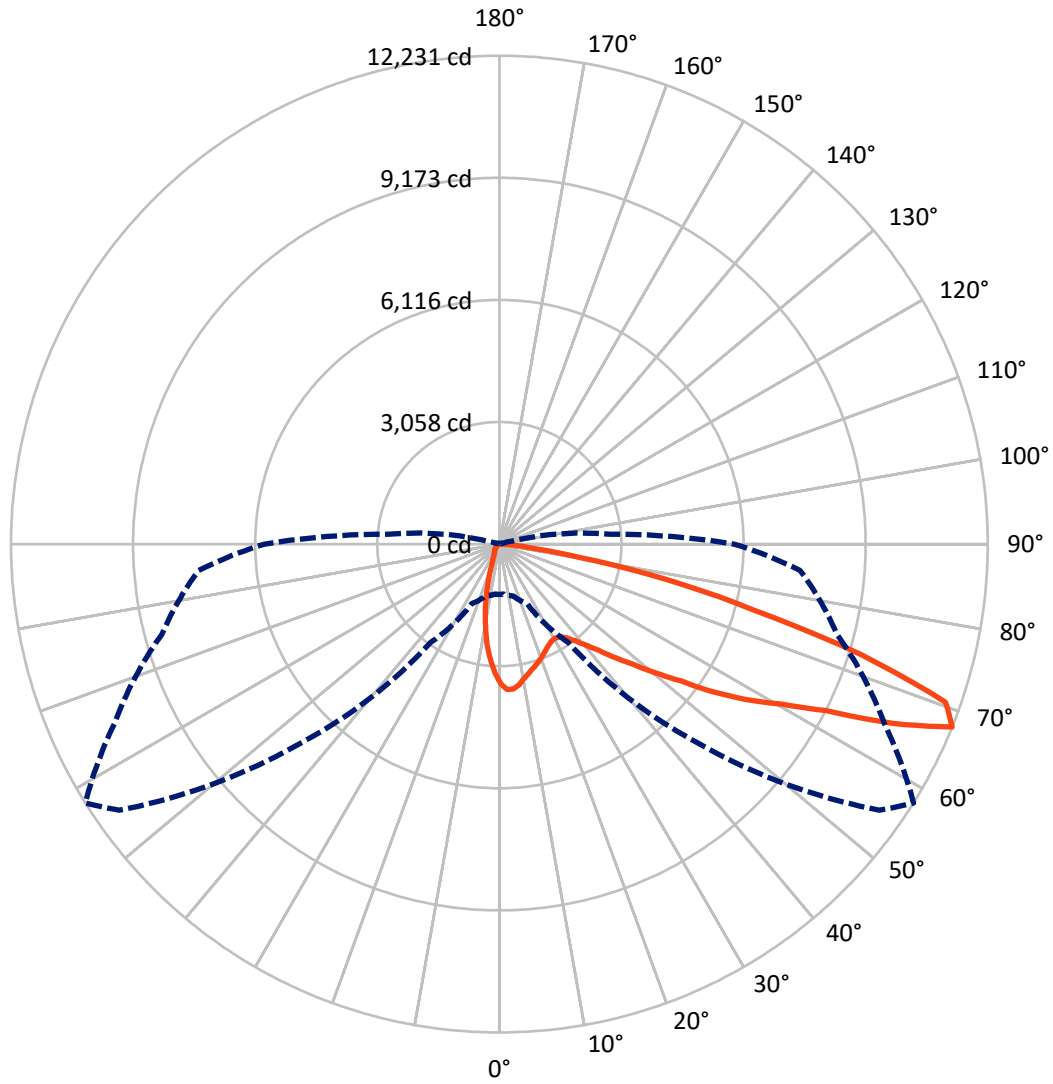
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1181.0	0.0	1181.0
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	10907.4	0.0	10907.4
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	12088.4	0.0	12088.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.3	2.3
10°-20°	589.8	4.9
20°-30°	795.4	6.6
30°-40°	1117.7	9.2
40°-50°	1726.2	14.3
50°-60°	2760.4	22.8
60°-70°	3268.5	27.0
70°-80°	1445.9	12.0
80°-90°	101.1	0.8
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°	12088.4	100.0
0°-180°	12088.4	100.0

**Coefficient of Utilization**

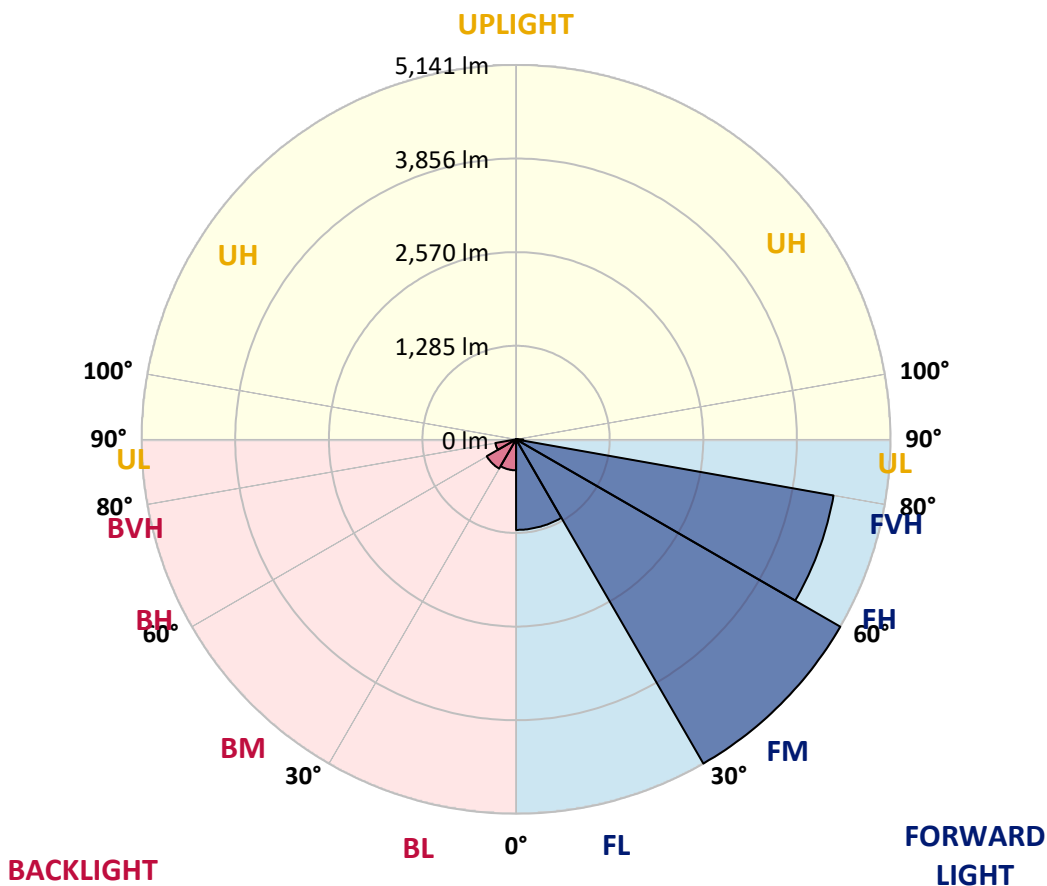


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.6	10.3			
FM (30°-60°)	5140.9	42.5			
FH (60°-80°)	4426.1	36.6			G2/5000
FVH (80°-90°)	96.8	0.8			G1/100
BL (0°-30°)	425.0	3.5	B1/500		
BM (30°-60°)	463.4	3.8	B1/1000		
BH (60°-80°)	288.3	2.4	B1/500		G1/500
BVH (80°-90°)	4.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9
2.5°	3667.7	3674.1	3682.7	3693.4	3691.2	3681.6	3669.8	3643.1	3626.0	3572.5	3507.2
5°	3550.0	3548.9	3570.3	3590.6	3627.0	3646.3	3673.0	3648.4	3639.9	3575.7	3469.7
7.5°	3320.0	3331.7	3356.3	3388.4	3440.9	3497.6	3561.8	3554.3	3579.9	3537.1	3405.5
10°	3094.2	3087.8	3126.3	3174.4	3254.7	3327.4	3420.5	3419.5	3486.9	3482.6	3332.8
12.5°	2896.3	2895.2	2925.2	2979.7	3073.9	3175.5	3301.8	3305.0	3388.4	3422.7	3270.7
15°	2729.4	2731.5	2760.4	2817.1	2914.5	3038.6	3185.1	3211.9	3306.0	3375.6	3209.8
17.5°	2610.6	2611.7	2628.8	2678.0	2773.2	2905.9	3082.4	3118.8	3239.7	3340.3	3160.5
20°	2556.0	2551.8	2555.0	2579.6	2653.4	2774.3	2977.6	3024.7	3178.7	3315.7	3115.6
22.5°	2563.5	2557.1	2542.1	2538.9	2572.1	2664.1	2866.3	2924.1	3112.4	3300.7	3074.9
25°	2629.9	2615.9	2594.6	2562.5	2549.6	2595.6	2768.9	2828.9	3050.3	3301.8	3043.9
27.5°	2731.5	2716.5	2689.8	2647.0	2596.7	2577.4	2702.6	2759.3	3006.5	3326.4	3028.9
30°	2861.0	2849.2	2823.5	2772.2	2704.8	2625.6	2688.7	2735.8	2985.1	3376.7	3035.4
32.5°	3014.0	3005.4	2984.0	2936.9	2859.9	2739.0	2735.8	2772.2	3002.2	3449.4	3060.0
35°	3161.6	3164.8	3165.9	3140.2	3057.8	2911.2	2865.2	2878.1	3072.8	3558.5	3115.6
37.5°	3321.0	3313.5	3352.1	3370.2	3291.1	3134.9	3065.3	3066.4	3207.6	3720.1	3220.5
40°	3441.9	3444.1	3527.5	3602.4	3569.2	3418.4	3318.9	3317.8	3415.2	3941.6	3389.5
42.5°	3555.3	3569.2	3692.3	3820.7	3866.7	3732.9	3661.3	3634.5	3706.2	4241.2	3643.1
45°	3676.2	3696.6	3868.8	4051.8	4172.7	4093.5	4036.8	4047.5	4056.1	4589.9	3984.4
47.5°	3817.5	3830.3	4043.2	4301.1	4526.8	4506.5	4509.7	4496.9	4492.6	5029.7	4435.9
50°	3988.7	4018.6	4263.6	4571.8	4879.9	5014.7	5059.6	5065.0	4995.4	5509.0	4903.4
52.5°	4352.4	4388.8	4598.5	4868.1	5265.1	5548.6	5731.5	5695.2	5588.2	5973.4	5415.9
55°	4781.5	4809.3	5011.5	5290.7	5735.8	6133.8	6568.2	6553.2	6291.1	6462.3	5837.5
57.5°	4822.1	4853.1	5166.6	5594.6	6340.3	6857.1	7314.0	7362.1	6978.0	6809.0	6214.1
60°	4365.3	4428.4	4856.4	5432.0	6571.4	7829.7	8131.4	8141.0	7481.9	7161.0	6674.1
62.5°	3498.6	3528.6	3959.8	4710.8	6215.2	8396.7	9380.0	9176.7	8129.2	7705.5	7402.8
65°	1833.8	1955.8	2331.4	3162.7	5040.4	8198.8	10882.1	10826.5	9293.3	8485.5	7969.8
67.5°	1258.2	1257.2	1346.0	1648.7	3005.4	7059.3	11619.3	12231.3	10639.3	8753.0	7559.0
70°	957.6	960.8	1040.0	1236.8	1556.7	4699.1	10810.4	11856.8	10889.6	7947.3	6113.5
72.5°	635.5	642.0	773.6	999.3	1243.2	2303.5	8401.0	9487.0	9162.8	6383.1	4303.2
75°	379.8	385.2	479.3	726.5	1105.2	1289.3	5337.8	6558.6	6307.2	4399.5	2306.7
77.5°	156.2	160.5	246.1	452.6	808.9	1001.4	2951.9	4291.4	3777.9	1749.3	630.2
80°	65.3	67.4	118.8	316.7	583.1	628.0	1367.4	2016.8	1548.2	376.6	192.6
82.5°	23.5	24.6	43.9	174.4	362.7	472.9	690.1	797.1	436.5	123.0	103.8
85°	1.1	1.1	10.7	58.8	138.0	133.7	394.8	382.0	144.4	51.4	62.1
87.5°	0.0	0.0	1.1	1.1	2.1	5.3	37.4	66.3	31.0	12.8	26.7
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°	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9	3486.9
2.5°	3464.4	3407.7	3345.6	3287.9	3195.8	3141.3	3073.9	3043.9	3001.1	2990.4	2996.8
5°	3393.8	3296.4	3147.7	3012.9	2838.5	2698.3	2557.1	2497.2	2420.2	2368.8	2347.4
7.5°	3294.3	3167.0	2934.8	2689.8	2450.1	2194.4	1999.7	1871.3	1754.7	1690.5	1677.6
10°	3193.7	3027.9	2695.1	2344.2	1972.9	1666.9	1403.7	1209.0	1050.7	979.0	923.3
12.5°	3089.9	2883.4	2451.2	1993.3	1562.1	1144.8	819.6	630.2	516.8	471.8	479.3
15°	2994.7	2744.3	2209.4	1642.3	1099.9	691.2	452.6	382.0	355.2	346.7	345.6
17.5°	2903.8	2612.7	1968.6	1301.0	725.4	423.7	346.7	329.5	322.0	317.8	317.8
20°	2821.4	2486.5	1733.3	980.0	468.6	336.0	313.5	304.9	298.5	295.3	295.3
22.5°	2744.3	2364.5	1503.2	693.3	345.6	301.7	287.8	279.2	271.8	267.5	267.5
25°	2674.8	2254.3	1283.9	477.2	297.4	276.0	261.1	251.4	238.6	231.1	231.1
27.5°	2624.5	2155.9	1073.1	347.7	268.5	248.2	231.1	218.3	204.4	195.8	193.7
30°	2594.6	2072.4	860.2	285.7	241.8	221.5	202.2	186.2	170.1	161.6	160.5
32.5°	2577.4	1995.4	665.5	249.3	219.3	195.8	174.4	157.3	141.2	131.6	130.5
35°	2583.9	1935.5	498.6	224.7	197.9	173.3	149.8	132.7	118.8	110.2	108.1
37.5°	2639.5	1908.7	374.5	205.4	179.7	154.1	129.5	113.4	100.6	94.2	93.1
40°	2747.5	1914.1	294.2	190.4	164.8	134.8	111.3	96.3	86.7	81.3	80.2
42.5°	2915.5	1959.0	242.9	177.6	148.7	117.7	96.3	84.5	74.9	69.5	68.5
45°	3165.9	2052.1	211.8	162.6	131.6	101.6	83.5	72.8	64.2	57.8	56.7
47.5°	3528.6	2213.7	191.5	148.7	116.6	87.7	71.7	61.0	53.5	48.1	47.1
50°	3914.8	2407.3	174.4	134.8	103.8	76.0	61.0	50.3	43.9	38.5	37.4
52.5°	4326.7	2615.9	161.6	122.0	92.0	65.3	51.4	41.7	35.3	30.0	28.9
55°	4722.6	2825.7	146.6	113.4	78.1	55.6	42.8	34.2	27.8	23.5	23.5
57.5°	5107.8	3018.2	130.5	99.5	64.2	47.1	35.3	27.8	22.5	19.3	18.2
60°	5567.9	3284.6	112.3	84.5	53.5	39.6	28.9	22.5	18.2	15.0	15.0
62.5°	6251.5	3561.8	96.3	70.6	44.9	33.2	23.5	18.2	15.0	12.8	11.8
65°	6475.1	3412.0	81.3	57.8	36.4	26.7	19.3	16.0	12.8	11.8	10.7
67.5°	5878.1	2796.8	67.4	47.1	30.0	22.5	17.1	13.9	11.8	10.7	9.6
70°	4586.7	1984.7	52.4	35.3	24.6	18.2	15.0	12.8	10.7	9.6	9.6
72.5°	3119.9	1173.7	41.7	26.7	20.3	16.0	12.8	11.8	10.7	9.6	8.6
75°	1536.4	417.3	32.1	20.3	16.0	13.9	11.8	10.7	9.6	8.6	8.6
77.5°	414.1	115.6	24.6	16.0	12.8	10.7	10.7	10.7	9.6	7.5	7.5
80°	140.2	48.1	18.2	11.8	10.7	8.6	7.5	9.6	8.6	7.5	6.4
82.5°	77.0	23.5	12.8	9.6	7.5	6.4	6.4	6.4	6.4	5.3	5.3
85°	49.2	12.8	8.6	7.5	7.5	5.3	4.3	4.3	3.2	3.2	3.2
87.5°	22.5	7.5	7.5	6.4	6.4	5.3	3.2	2.1	1.1	1.1	1.1
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)