

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: P641857

Luminaire Tested: GWS-SA6B-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16721.8 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

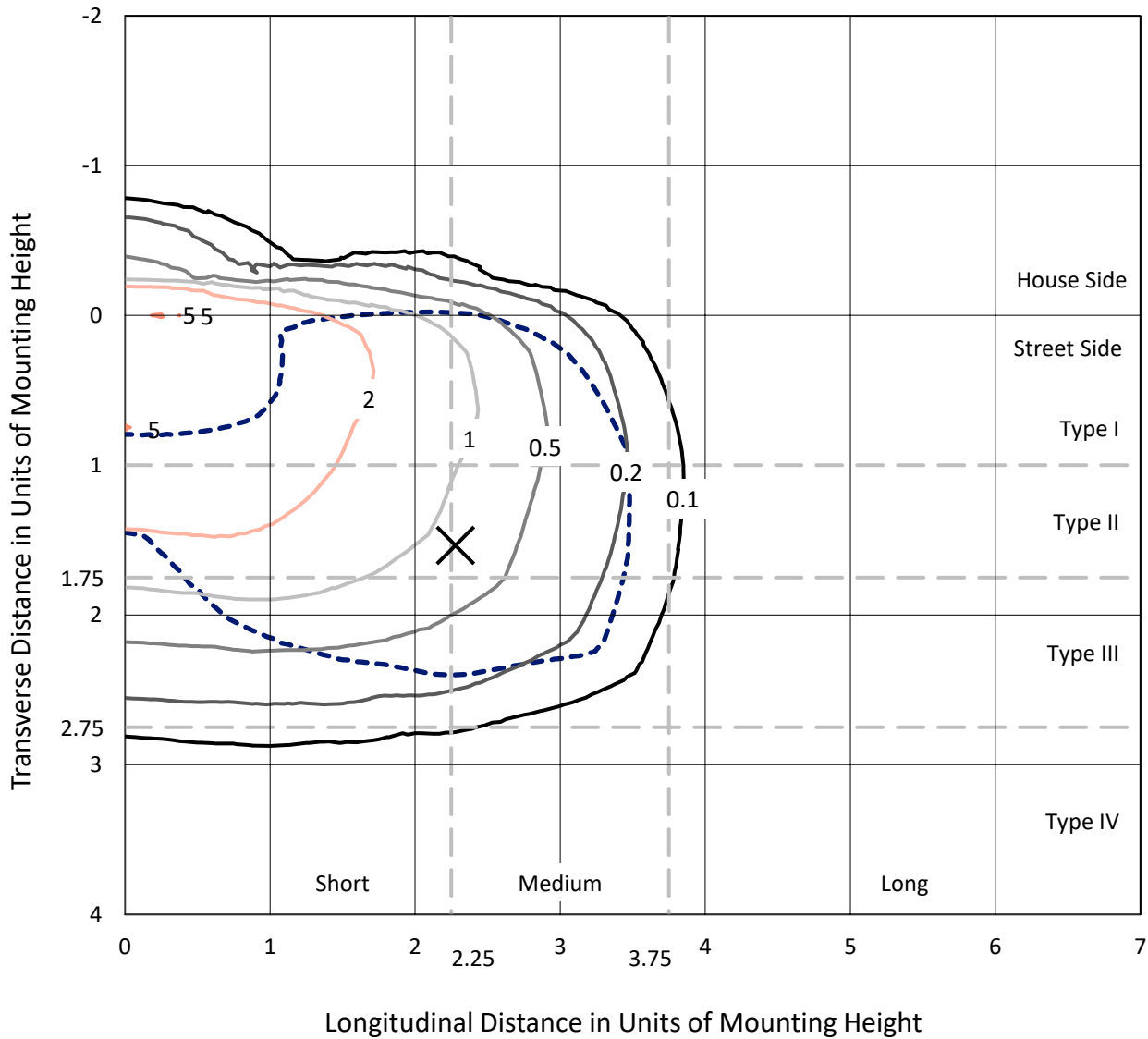
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

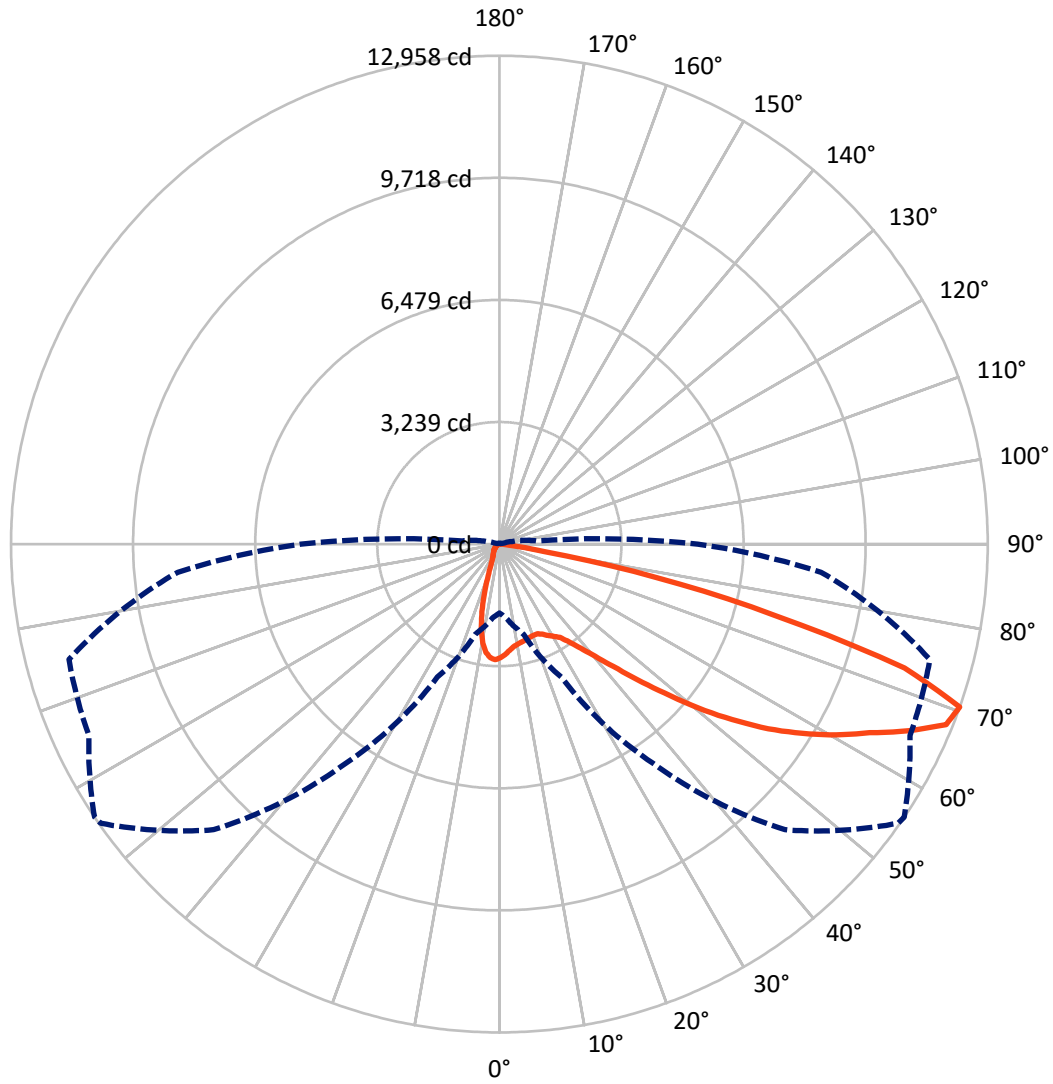
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1502.0	0.0	1502.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	15219.9	0.0	15219.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	16721.8	0.0	16721.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.9	1.5
10°-20°	582.2	3.5
20°-30°	922.3	5.5
30°-40°	1590.4	9.5
40°-50°	2685.7	16.1
50°-60°	3946.2	23.6
60°-70°	4678.4	28.0
70°-80°	1995.1	11.9
80°-90°	62.6	0.4
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°	16721.8	100.0
0°-180°	16721.8	100.0

Coefficient of Utilization



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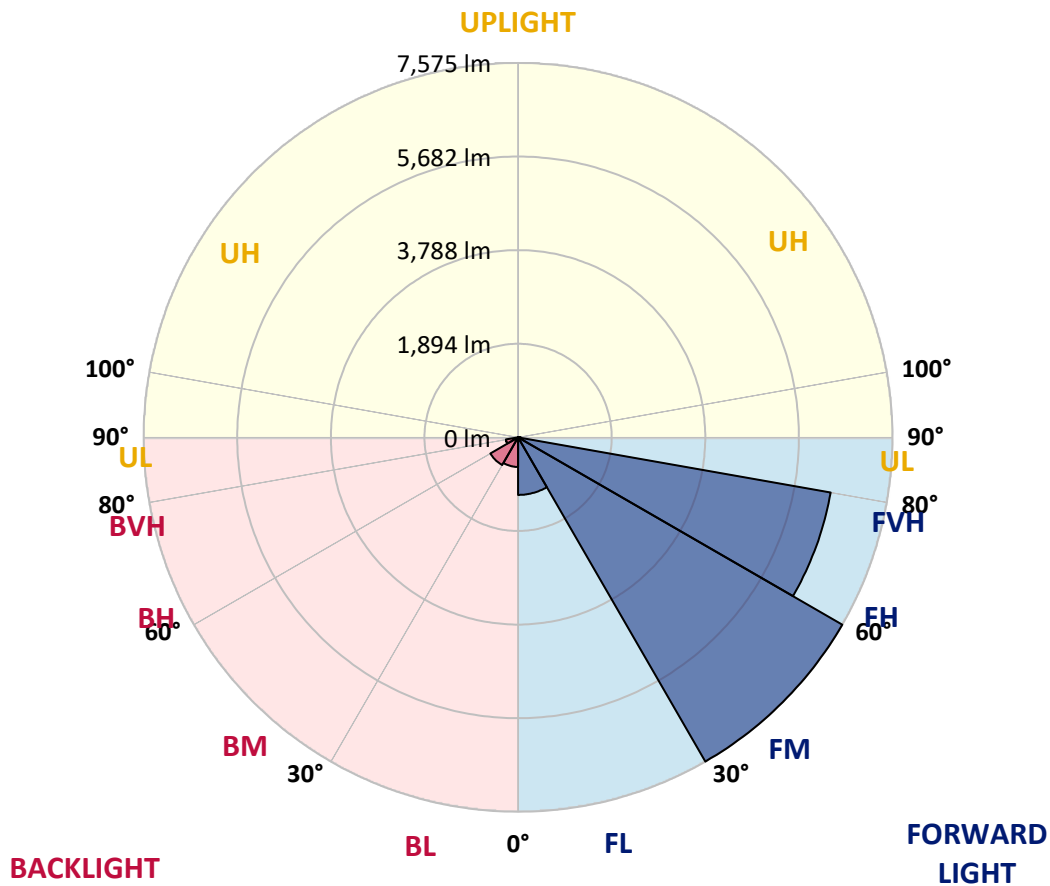
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1165.2	7.0			
FM (30°-60°)	7575.4	45.3			
FH (60°-80°)	6423.0	38.4			G3/7500
FVH (80°-90°)	56.3	0.3			G1/100
BL (0°-30°)	598.2	3.6	B2/1000		
BM (30°-60°)	646.9	3.9	B1/1000		
BH (60°-80°)	250.5	1.5	B1/500		G1/500
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1
2.5°	2806.9	2802.3	2805.3	2828.3	2871.2	2891.1	2924.8	2930.9	2958.5	2993.7	3007.5
5°	2624.6	2609.3	2617.0	2649.1	2698.1	2753.3	2816.0	2832.9	2901.8	2979.9	3038.1
7.5°	2457.7	2440.9	2459.3	2509.8	2578.7	2638.4	2731.8	2742.5	2852.8	2990.6	3096.3
10°	2195.9	2200.5	2237.2	2326.0	2431.7	2555.7	2681.3	2696.6	2832.9	3025.8	3189.7
12.5°	1995.3	1984.6	2024.4	2125.4	2274.0	2454.7	2643.0	2662.9	2834.4	3079.4	3309.1
15°	1901.9	1898.8	1915.6	1989.1	2133.1	2345.9	2607.8	2633.8	2854.3	3128.4	3422.4
17.5°	1904.9	1900.3	1898.8	1941.7	2048.9	2264.8	2569.5	2603.2	2871.2	3182.0	3541.9
20°	2038.1	2016.7	1978.4	1958.5	2022.8	2212.7	2543.5	2581.8	2895.7	3238.7	3669.0
22.5°	2316.8	2324.5	2221.9	2114.7	2084.1	2218.8	2540.4	2584.8	2949.3	3327.5	3825.2
25°	2874.2	2862.0	2672.1	2431.7	2264.8	2289.3	2594.0	2647.6	3054.9	3454.6	3972.2
27.5°	3572.5	3583.2	3322.9	2940.1	2590.9	2434.8	2692.0	2745.6	3177.4	3534.2	4070.2
30°	4333.5	4322.8	4044.1	3620.0	3053.4	2676.7	2790.0	2837.5	3238.7	3577.1	4171.2
32.5°	5053.3	5028.8	4753.1	4309.0	3642.9	3058.0	2924.8	2952.3	3319.8	3670.5	4307.5
35°	5667.3	5665.8	5425.4	4952.2	4249.3	3535.7	3156.0	3179.0	3471.4	3819.0	4508.1
37.5°	6301.3	6279.8	6010.3	5578.5	4872.6	4059.4	3509.7	3500.5	3710.3	4038.0	4754.7
40°	6821.9	6808.1	6601.4	6186.4	5520.3	4638.3	3938.5	3910.9	3993.6	4341.2	5097.7
42.5°	7207.8	7209.3	7145.0	6892.3	6206.3	5307.4	4477.5	4434.6	4433.1	4799.1	5550.9
45°	7500.3	7520.2	7616.6	7578.4	7016.4	6086.9	5168.1	5123.7	5048.7	5393.2	6070.0
47.5°	7636.5	7662.6	7953.5	8106.6	7725.4	6860.2	5990.4	5897.0	5750.0	6183.3	6650.4
50°	7622.8	7668.7	8074.5	8540.0	8368.5	7644.2	6886.2	6841.8	6601.4	7019.4	7224.6
52.5°	7310.4	7408.4	8082.1	8803.4	8863.1	8367.0	7812.6	7729.9	7613.6	7892.3	7763.6
55°	6462.0	6581.5	7759.0	8887.6	9249.0	8997.9	8719.2	8651.8	8458.8	8716.1	8233.7
57.5°	6001.1	6103.7	7079.2	8846.3	9576.7	9581.3	9526.2	9471.0	9311.8	9530.7	8785.0
60°	5724.0	5826.6	6716.2	8694.7	9873.8	10196.9	10284.1	10278.0	10048.3	10457.2	9431.2
62.5°	5318.2	5459.0	6338.0	8301.1	10085.1	10803.2	11066.6	11025.3	10769.6	11421.9	10071.3
65°	4498.9	4621.4	5563.2	7651.9	9961.0	11305.5	11915.0	11936.4	11640.9	12329.9	10576.6
67.5°	3154.5	3244.8	4180.4	6289.0	9118.8	11470.9	12783.2	12781.7	12277.9	12795.5	10353.0
70°	1828.4	1952.4	2470.0	3887.9	7094.5	10719.0	12913.4	12957.8	12019.1	11823.1	8567.6
72.5°	707.5	810.1	1399.6	2065.7	3699.6	8210.8	11108.0	11238.1	10059.0	9120.4	5962.8
75°	211.3	235.8	658.5	1099.5	1485.4	3966.0	7520.2	7556.9	6900.0	5688.7	3056.5
77.5°	157.7	174.6	287.9	555.9	520.6	1202.1	3891.0	4249.3	3662.8	2032.0	842.2
80°	107.2	127.1	205.2	271.0	192.9	320.0	1093.3	1200.5	1117.8	456.3	211.3
82.5°	47.5	61.3	145.5	136.3	70.4	91.9	336.9	358.3	231.2	137.8	73.5
85°	4.6	6.1	55.1	59.7	26.0	21.4	70.4	70.4	50.5	47.5	30.6
87.5°	0.0	0.0	1.5	3.1	3.1	4.6	6.1	7.7	9.2	12.3	15.3
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°	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1	3015.1
2.5°	3042.7	3024.3	3047.3	3065.6	3070.2	3036.5	3016.6	2987.5	2981.4	2983.0	2975.3
5°	3084.0	3074.8	3091.7	3071.8	3019.7	2921.7	2837.5	2744.1	2693.5	2664.4	2661.4
7.5°	3160.6	3156.0	3137.6	3047.3	2884.9	2667.5	2457.7	2252.5	2125.4	2079.5	2071.8
10°	3273.9	3264.7	3189.7	2975.3	2629.2	2211.2	1859.0	1565.0	1385.8	1333.8	1269.4
12.5°	3404.1	3385.7	3221.8	2820.6	2243.3	1664.5	1225.0	895.8	741.1	695.2	695.2
15°	3529.6	3489.8	3203.5	2564.9	1768.6	1082.6	684.5	517.6	470.1	457.9	457.9
17.5°	3658.3	3581.7	3131.5	2215.8	1222.0	640.1	456.3	424.2	418.0	419.6	421.1
20°	3779.2	3659.8	3004.4	1796.2	779.4	447.1	408.9	401.2	398.1	401.2	399.7
22.5°	3910.9	3731.8	2811.4	1338.3	506.9	402.7	388.9	382.8	379.8	384.4	384.4
25°	4041.1	3783.8	2555.7	900.4	402.7	375.2	367.5	361.4	358.3	359.9	359.9
27.5°	4108.4	3763.9	2220.4	574.2	361.4	347.6	339.9	332.3	327.7	326.2	327.7
30°	4154.4	3702.7	1810.0	408.9	327.7	310.9	303.2	297.1	284.8	277.2	280.2
32.5°	4226.4	3641.4	1364.4	343.0	300.1	274.1	261.9	246.5	229.7	222.0	222.0
35°	4312.1	3557.2	957.1	309.3	271.0	243.5	220.5	194.5	174.6	168.4	168.4
37.5°	4425.4	3477.6	637.0	286.4	246.5	217.4	185.3	154.7	133.2	130.2	128.6
40°	4595.4	3410.2	448.7	269.5	225.1	189.9	151.6	119.4	104.1	99.5	99.5
42.5°	4815.9	3341.3	355.3	252.7	206.7	163.8	121.0	94.9	82.7	79.6	78.1
45°	5088.5	3260.1	309.3	237.3	188.3	136.3	96.5	79.6	70.4	67.4	67.4
47.5°	5384.0	3149.9	287.9	217.4	166.9	110.3	81.2	68.9	64.3	62.8	61.3
50°	5675.0	3001.3	269.5	199.1	142.4	90.3	70.4	62.8	59.7	58.2	58.2
52.5°	5929.2	2828.3	246.5	177.6	116.4	78.1	62.8	58.2	55.1	52.1	50.5
55°	6146.6	2639.9	217.4	153.1	94.9	68.9	58.2	53.6	50.5	47.5	45.9
57.5°	6426.8	2532.8	174.6	124.0	78.1	61.3	53.6	49.0	45.9	41.3	41.3
60°	6737.7	2454.7	130.2	98.0	67.4	56.7	49.0	44.4	41.3	36.8	36.8
62.5°	6987.3	2338.3	102.6	79.6	58.2	50.5	44.4	39.8	36.8	32.2	32.2
65°	7082.2	2097.9	84.2	62.8	47.5	44.4	39.8	36.8	32.2	27.6	27.6
67.5°	6653.5	1617.0	70.4	50.5	39.8	38.3	35.2	33.7	27.6	24.5	23.0
70°	5269.2	986.2	58.2	41.3	33.7	32.2	32.2	29.1	24.5	23.0	21.4
72.5°	3610.8	508.4	47.5	33.7	29.1	29.1	27.6	26.0	23.0	21.4	21.4
75°	1875.8	170.0	36.8	26.0	23.0	24.5	24.5	23.0	21.4	21.4	19.9
77.5°	537.5	76.6	27.6	19.9	18.4	18.4	19.9	19.9	19.9	18.4	18.4
80°	139.3	44.4	19.9	15.3	15.3	15.3	15.3	16.8	18.4	16.8	16.8
82.5°	56.7	24.5	13.8	12.3	12.3	12.3	12.3	13.8	15.3	15.3	15.3
85°	35.2	12.3	10.7	10.7	10.7	9.2	9.2	10.7	10.7	12.3	12.3
87.5°	21.4	9.2	9.2	9.2	9.2	7.7	7.7	7.7	7.7	7.7	7.7
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)