

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: P635862

Luminaire Tested: GWS-SA3E-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635862
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-SA3E-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17610 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

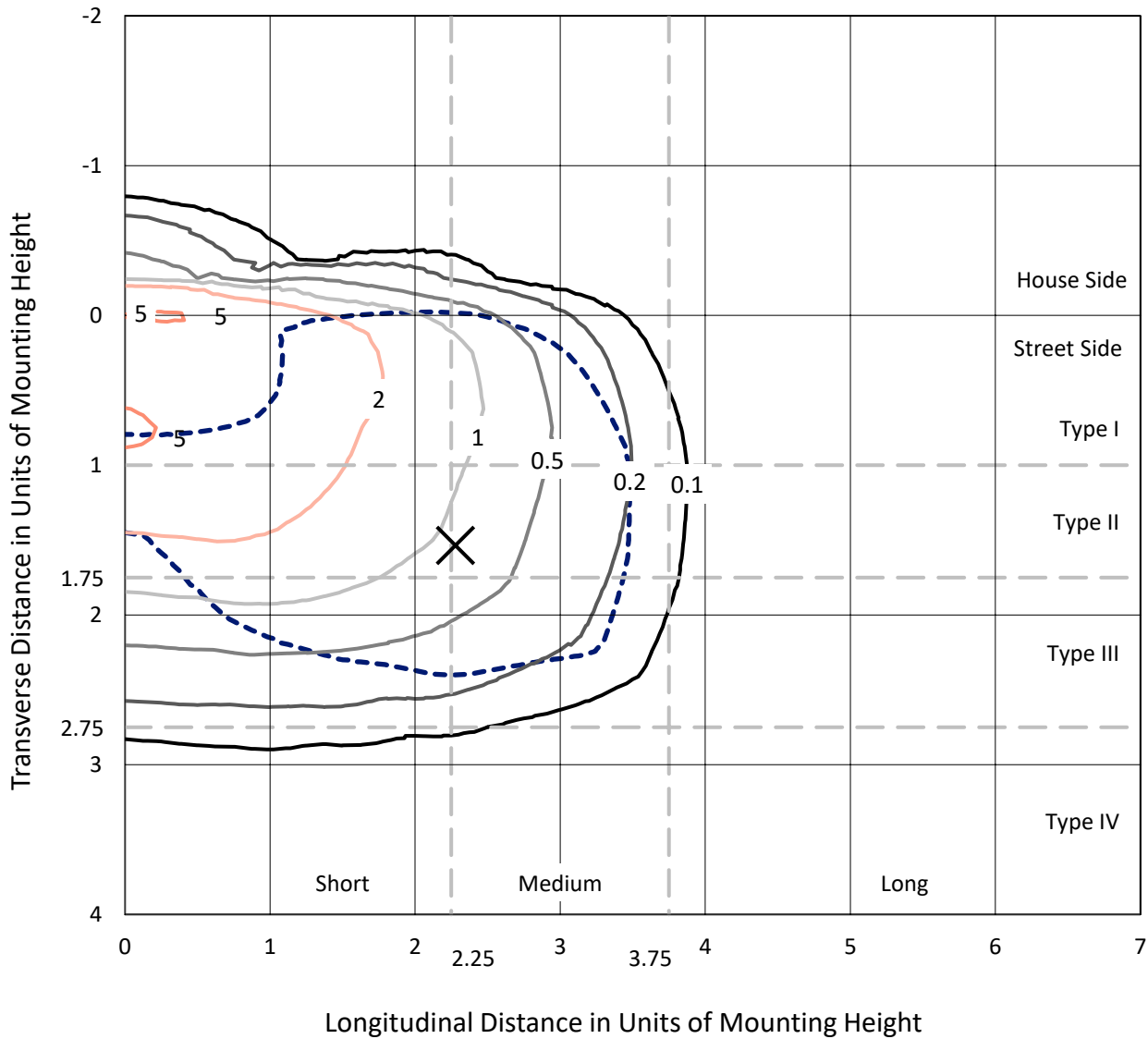
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

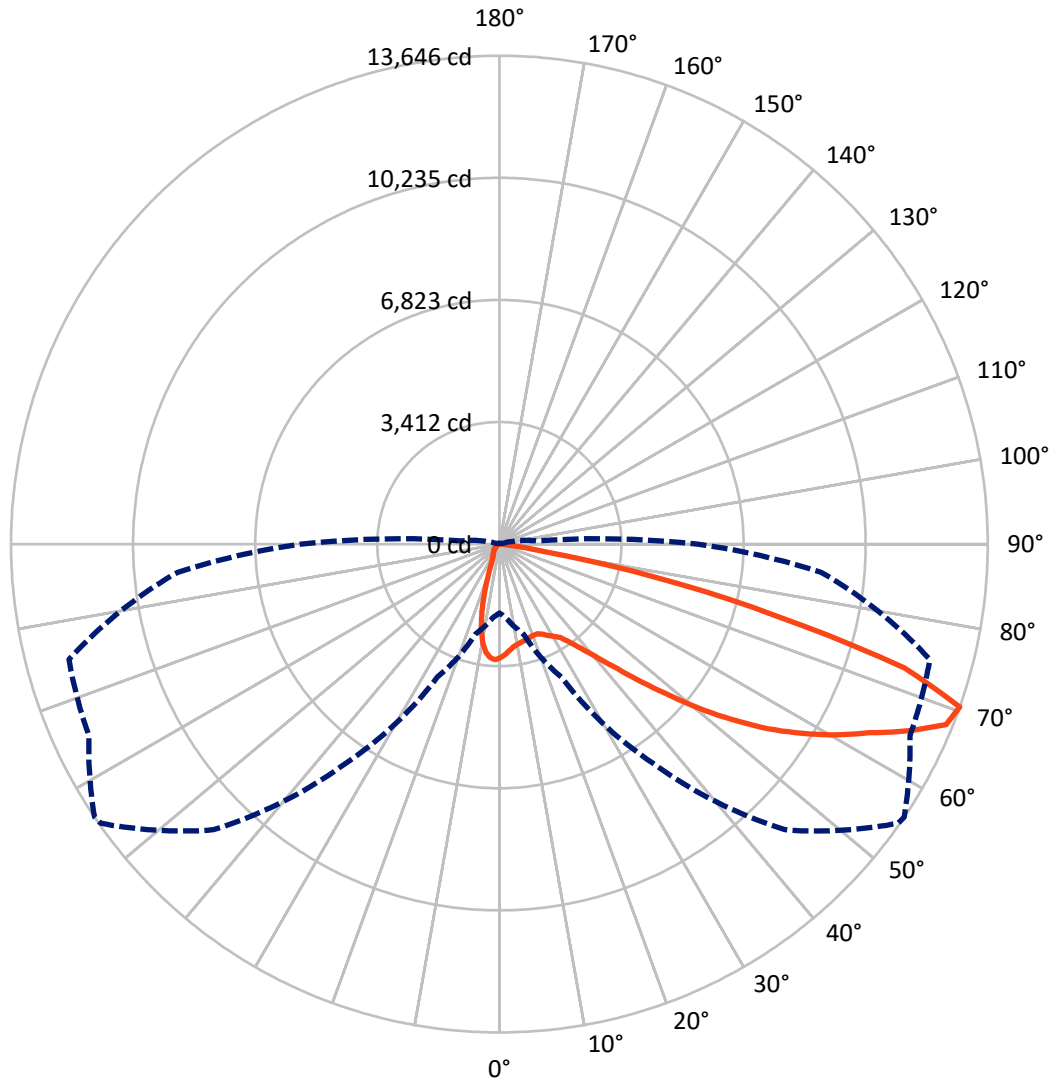
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 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	1581.7	0.0	1581.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	16028.3	0.0	16028.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	17610.0	0.0	17610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.6	1.5
10°-20°	613.2	3.5
20°-30°	971.2	5.5
30°-40°	1674.9	9.5
40°-50°	2828.4	16.1
50°-60°	4155.8	23.6
60°-70°	4926.9	28.0
70°-80°	2101.0	11.9
80°-90°	66.0	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°	17610.0	100.0
0°-180°	17610.0	100.0

Coefficient of Utilization



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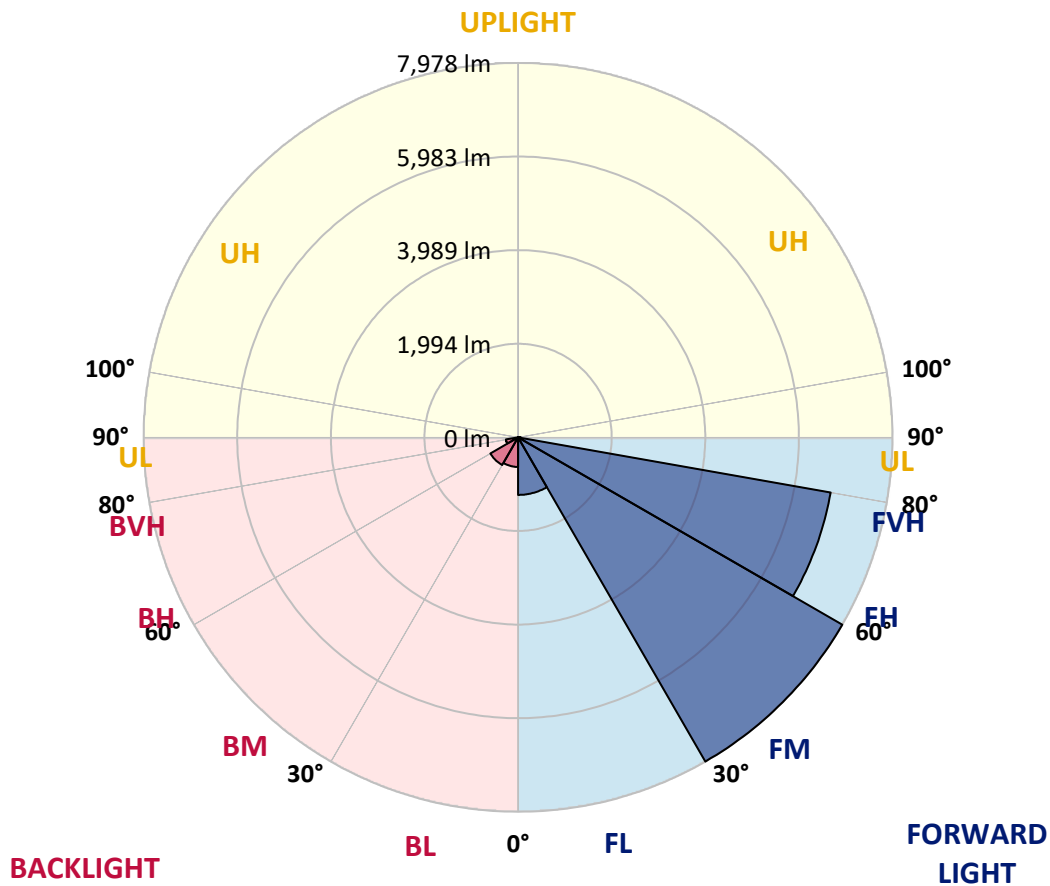
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1227.1	7.0			
FM (30°-60°)	7977.8	45.3			
FH (60°-80°)	6764.1	38.4			G3/7500
FVH (80°-90°)	59.3	0.3			G1/100
BL (0°-30°)	629.9	3.6	B2/1000		
BM (30°-60°)	681.3	3.9	B1/1000		
BH (60°-80°)	263.8	1.5	B1/500		G1/500
BVH (80°-90°)	6.7	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°	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3
2.5°	2955.9	2951.1	2954.3	2978.5	3023.7	3044.6	3080.1	3086.6	3115.6	3152.7	3167.2
5°	2764.0	2747.9	2756.0	2789.8	2841.4	2899.5	2965.6	2983.4	3055.9	3138.2	3199.4
7.5°	2588.3	2570.5	2589.9	2643.1	2715.7	2778.6	2876.9	2888.2	3004.3	3149.5	3260.7
10°	2312.5	2317.3	2356.0	2449.6	2560.8	2691.5	2823.7	2839.8	2983.4	3186.5	3359.1
12.5°	2101.3	2090.0	2131.9	2238.3	2394.7	2585.0	2783.4	2804.4	2985.0	3243.0	3484.9
15°	2002.9	1999.7	2017.4	2094.8	2246.4	2470.5	2746.3	2773.7	3005.9	3294.6	3604.2
17.5°	2006.1	2001.3	1999.7	2044.8	2157.7	2385.1	2706.0	2741.5	3023.7	3351.0	3730.0
20°	2146.4	2123.8	2083.5	2062.5	2130.3	2330.2	2678.6	2718.9	3049.5	3410.7	3863.9
22.5°	2439.9	2448.0	2339.9	2227.0	2194.8	2336.7	2675.3	2722.1	3105.9	3504.2	4028.3
25°	3026.9	3014.0	2814.0	2560.8	2385.1	2410.9	2731.8	2788.2	3217.2	3638.1	4183.2
27.5°	3762.3	3773.5	3499.4	3096.2	2728.6	2564.1	2835.0	2891.4	3346.2	3721.9	4286.4
30°	4563.7	4552.4	4258.9	3812.2	3215.6	2818.9	2938.2	2988.2	3410.7	3767.1	4392.8
32.5°	5321.7	5295.9	5005.6	4537.9	3836.4	3220.4	3080.1	3109.1	3496.2	3865.5	4536.3
35°	5968.3	5966.7	5713.5	5215.2	4475.0	3723.6	3323.6	3347.8	3655.8	4021.9	4747.6
37.5°	6636.0	6613.4	6329.6	5874.8	5131.4	4275.1	3696.1	3686.5	3907.4	4252.5	5007.2
40°	7184.2	7169.7	6952.0	6515.0	5813.5	4884.6	4147.7	4118.6	4205.7	4571.8	5368.4
42.5°	7590.6	7592.2	7524.5	7258.4	6536.0	5589.4	4715.3	4670.2	4668.6	5054.0	5845.8
45°	7898.6	7919.6	8021.2	7980.9	7389.1	6410.2	5442.6	5395.8	5316.8	5679.7	6392.4
47.5°	8042.2	8069.6	8376.0	8537.2	8135.7	7224.6	6308.6	6210.2	6055.4	6511.8	7003.6
50°	8027.7	8076.0	8503.4	8993.6	8813.0	8050.2	7252.0	7205.2	6952.0	7392.3	7608.4
52.5°	7698.7	7801.9	8511.4	9271.0	9333.9	8811.4	8227.6	8140.5	8018.0	8311.5	8176.0
55°	6805.3	6931.1	8171.2	9359.7	9740.3	9475.8	9182.3	9111.3	8908.1	9179.1	8671.1
57.5°	6319.9	6427.9	7455.2	9316.1	10085.4	10090.2	10032.1	9974.1	9806.4	10037.0	9251.6
60°	6028.0	6136.0	7073.0	9156.5	10398.2	10738.5	10830.4	10823.9	10582.1	11012.6	9932.2
62.5°	5600.6	5749.0	6674.7	8742.0	10620.8	11377.1	11654.4	11610.9	11341.6	12028.6	10606.2
65°	4737.9	4866.9	5858.7	8058.3	10490.1	11906.0	12547.8	12570.4	12259.2	12984.9	11138.4
67.5°	3322.0	3417.2	4402.5	6623.1	9603.2	12080.2	13462.2	13460.6	12930.0	13475.1	10903.0
70°	1925.5	2056.1	2601.2	4094.5	7471.3	11288.4	13599.3	13646.0	12657.5	12451.1	9022.6
72.5°	745.0	853.1	1473.9	2175.4	3896.1	8646.9	11698.0	11835.1	10593.3	9604.8	6279.6
75°	222.5	248.3	693.4	1157.9	1564.2	4176.7	7919.6	7958.3	7266.5	5990.9	3218.8
77.5°	166.1	183.8	303.2	585.4	548.3	1265.9	4097.7	4475.0	3857.4	2140.0	886.9
80°	112.9	133.8	216.1	285.4	203.2	337.0	1151.4	1264.3	1177.2	480.6	222.5
82.5°	50.0	64.5	153.2	143.5	74.2	96.8	354.8	377.4	243.5	145.1	77.4
85°	4.8	6.5	58.1	62.9	27.4	22.6	74.2	74.2	53.2	50.0	32.3
87.5°	0.0	0.0	1.6	3.2	3.2	4.8	6.5	8.1	9.7	12.9	16.1
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°	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3	3175.3
2.5°	3204.3	3184.9	3209.1	3228.5	3233.3	3197.8	3176.9	3146.2	3139.8	3141.4	3133.3
5°	3247.8	3238.2	3255.9	3234.9	3180.1	3076.9	2988.2	2889.8	2836.6	2806.0	2802.7
7.5°	3328.5	3323.6	3304.3	3209.1	3038.2	2809.2	2588.3	2372.2	2238.3	2189.9	2181.9
10°	3447.8	3438.1	3359.1	3133.3	2768.9	2328.6	1957.7	1648.1	1459.4	1404.6	1336.9
12.5°	3584.9	3565.5	3393.0	2970.5	2362.5	1752.9	1290.1	943.4	780.5	732.1	732.1
15°	3717.1	3675.2	3373.6	2701.1	1862.6	1140.1	720.8	545.1	495.1	482.2	482.2
17.5°	3852.6	3771.9	3297.8	2333.5	1286.9	674.1	480.6	446.7	440.2	441.9	443.5
20°	3980.0	3854.2	3164.0	1891.6	820.8	470.9	430.6	422.5	419.3	422.5	420.9
22.5°	4118.6	3930.0	2960.8	1409.4	533.8	424.1	409.6	403.2	399.9	404.8	404.8
25°	4255.7	3984.8	2691.5	948.2	424.1	395.1	387.0	380.6	377.4	379.0	379.0
27.5°	4326.7	3963.8	2338.3	604.7	380.6	366.1	358.0	349.9	345.1	343.5	345.1
30°	4375.1	3899.3	1906.1	430.6	345.1	327.4	319.3	312.8	299.9	291.9	295.1
32.5°	4450.8	3834.8	1436.8	361.2	316.1	288.7	275.8	259.6	241.9	233.8	233.8
35°	4541.2	3746.1	1007.9	325.8	285.4	256.4	232.2	204.8	183.8	177.4	177.4
37.5°	4660.5	3662.3	670.9	301.6	259.6	229.0	195.1	162.9	140.3	137.1	135.5
40°	4839.5	3591.3	472.5	283.8	237.1	200.0	159.6	125.8	109.7	104.8	104.8
42.5°	5071.7	3518.7	374.1	266.1	217.7	172.6	127.4	100.0	87.1	83.9	82.2
45°	5358.8	3433.3	325.8	250.0	198.4	143.5	101.6	83.9	74.2	71.0	71.0
47.5°	5670.0	3317.2	303.2	229.0	175.8	116.1	85.5	72.6	67.7	66.1	64.5
50°	5976.4	3160.7	283.8	209.6	150.0	95.1	74.2	66.1	62.9	61.3	61.3
52.5°	6244.1	2978.5	259.6	187.1	122.6	82.2	66.1	61.3	58.1	54.8	53.2
55°	6473.1	2780.2	229.0	161.3	100.0	72.6	61.3	56.4	53.2	50.0	48.4
57.5°	6768.2	2667.3	183.8	130.6	82.2	64.5	56.4	51.6	48.4	43.5	43.5
60°	7095.6	2585.0	137.1	103.2	71.0	59.7	51.6	46.8	43.5	38.7	38.7
62.5°	7358.4	2462.5	108.0	83.9	61.3	53.2	46.8	41.9	38.7	33.9	33.9
65°	7458.4	2209.3	88.7	66.1	50.0	46.8	41.9	38.7	33.9	29.0	29.0
67.5°	7006.9	1702.9	74.2	53.2	41.9	40.3	37.1	35.5	29.0	25.8	24.2
70°	5549.0	1038.5	61.3	43.5	35.5	33.9	33.9	30.6	25.8	24.2	22.6
72.5°	3802.6	535.4	50.0	35.5	30.6	30.6	29.0	27.4	24.2	22.6	22.6
75°	1975.5	179.0	38.7	27.4	24.2	25.8	25.8	24.2	22.6	22.6	21.0
77.5°	566.0	80.6	29.0	21.0	19.4	19.4	21.0	21.0	21.0	19.4	19.4
80°	146.7	46.8	21.0	16.1	16.1	16.1	16.1	17.7	19.4	17.7	17.7
82.5°	59.7	25.8	14.5	12.9	12.9	12.9	12.9	14.5	16.1	16.1	16.1
85°	37.1	12.9	11.3	11.3	11.3	9.7	9.7	11.3	11.3	12.9	12.9
87.5°	22.6	9.7	9.7	9.7	9.7	8.1	8.1	8.1	8.1	8.1	8.1
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)