

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: P643008

Luminaire Tested: GWS-SA6E-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24207.3 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

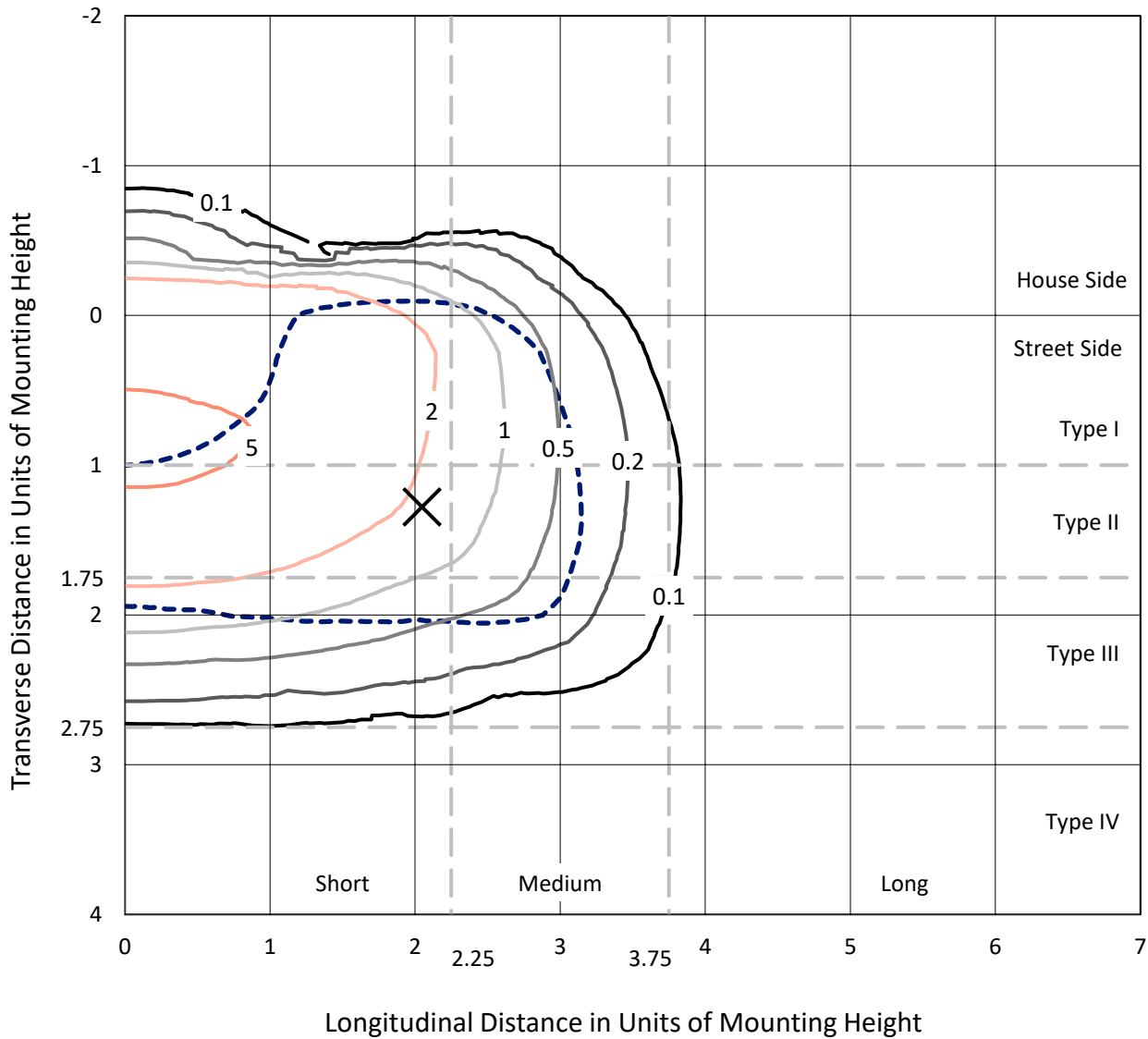
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

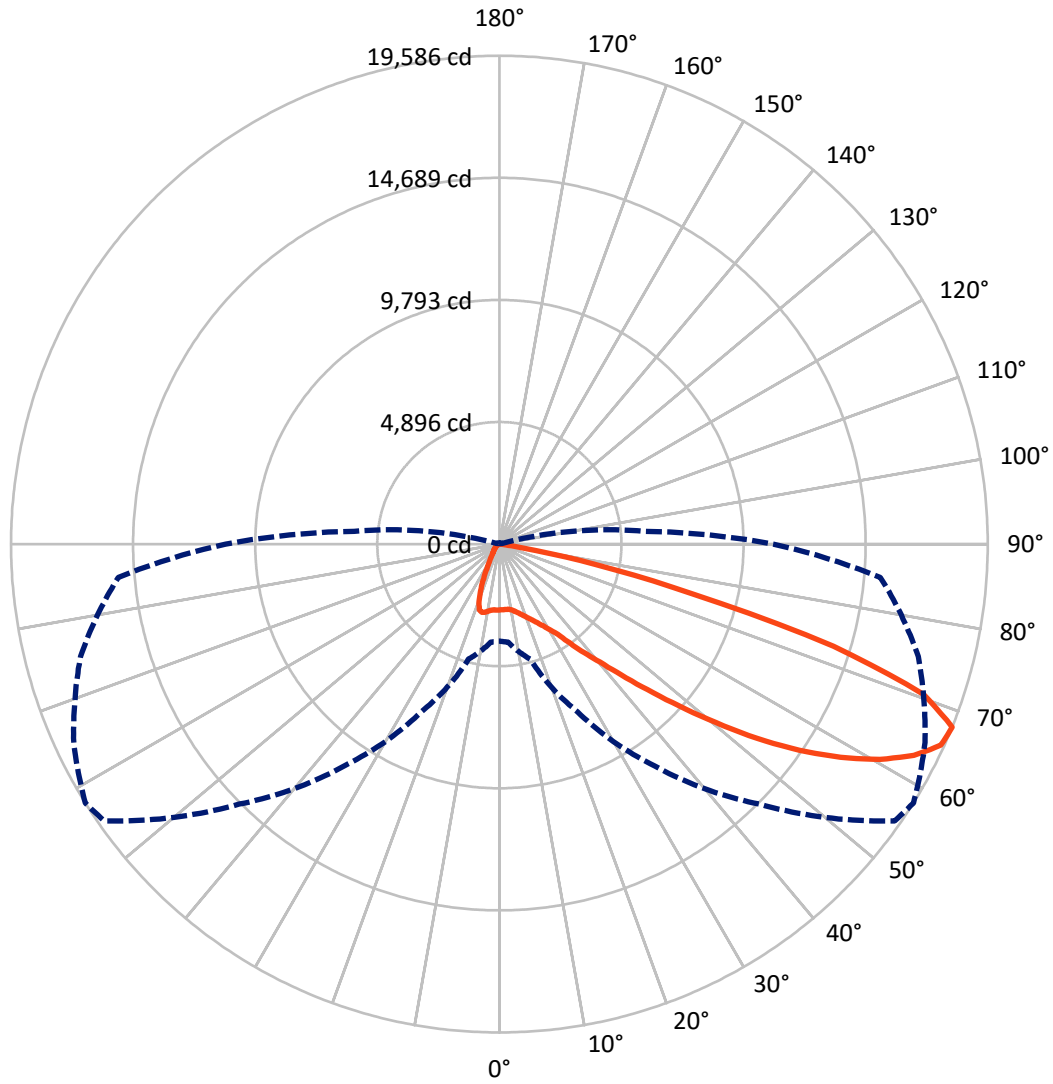
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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
House Side	Lumens	2641.0	0.0	2641.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	21566.3	0.0	21566.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	24207.3	0.0	24207.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	1.0
10°-20°	695.7	2.9
20°-30°	1214.4	5.0
30°-40°	2168.8	9.0
40°-50°	3964.2	16.4
50°-60°	6592.9	27.2
60°-70°	7161.0	29.6
70°-80°	2102.5	8.7
80°-90°	59.9	0.2
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°	24207.3	100.0
0°-180°	24207.3	100.0

Coefficient of Utilization



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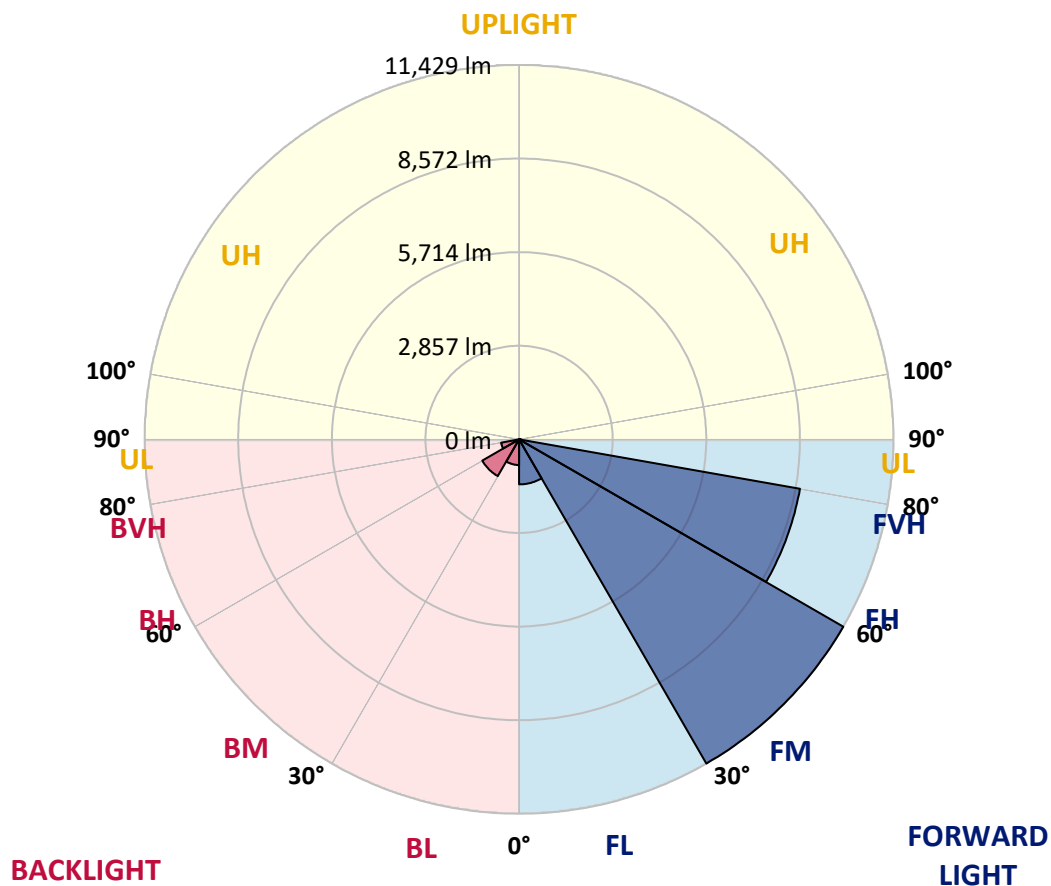
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1374.6	5.7			
FM (30°-60°)	11428.8	47.2			
FH (60°-80°)	8706.0	36.0			G4/12000
FVH (80°-90°)	56.9	0.2			G1/100
BL (0°-30°)	783.4	3.2	B2/1000		
BM (30°-60°)	1297.1	5.4	B2/2500		
BH (60°-80°)	557.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	2.9	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9
2.5°	2588.2	2583.5	2583.5	2602.4	2604.8	2614.2	2635.5	2637.9	2649.7	2645.0	2628.4
5°	2453.5	2455.9	2470.1	2503.1	2531.5	2567.0	2619.0	2630.8	2656.8	2671.0	2661.5
7.5°	2328.2	2330.6	2351.9	2403.9	2458.2	2529.1	2614.2	2637.9	2689.9	2727.7	2730.1
10°	2281.0	2278.6	2299.9	2359.0	2429.9	2529.1	2652.1	2682.8	2760.8	2827.0	2838.8
12.5°	2295.1	2292.8	2314.0	2368.4	2446.4	2571.7	2718.2	2760.8	2860.1	2961.7	2983.0
15°	2351.9	2349.5	2363.7	2408.6	2493.7	2623.7	2803.3	2867.1	2992.4	3115.3	3148.4
17.5°	2522.1	2510.2	2496.1	2500.8	2550.4	2685.1	2912.1	2990.1	3146.1	3292.6	3321.0
20°	2824.6	2793.9	2756.1	2706.4	2682.8	2775.0	3037.3	3127.2	3316.3	3484.1	3488.8
22.5°	3280.8	3269.0	3181.5	3037.3	2935.7	2938.1	3183.9	3287.9	3519.5	3703.9	3677.9
25°	3916.6	3909.5	3774.8	3538.4	3273.7	3183.9	3370.6	3477.0	3760.6	3956.8	3874.1
27.5°	4706.1	4656.5	4498.1	4179.0	3784.3	3503.0	3607.0	3701.5	4015.9	4200.3	4044.3
30°	5393.9	5396.3	5247.4	4914.1	4469.7	3982.8	3895.4	3978.1	4249.9	4443.7	4254.6
32.5°	6055.8	6077.0	5913.9	5613.8	5126.8	4609.2	4309.0	4323.2	4550.1	4760.5	4531.2
35°	6670.3	6686.9	6573.4	6318.1	5864.3	5263.9	4885.7	4878.6	5001.6	5216.7	4916.5
37.5°	7358.2	7374.7	7263.6	7034.3	6608.9	6013.2	5540.5	5531.0	5580.7	5755.6	5412.8
40°	8090.9	8121.6	7998.7	7804.9	7398.3	6894.9	6301.6	6216.5	6166.9	6372.5	6055.8
42.5°	8833.1	8880.4	8837.8	8644.0	8296.5	7880.5	7289.6	7157.2	7050.9	7308.5	6972.9
45°	9754.9	9811.7	9792.7	9643.8	9374.4	9036.4	8478.5	8324.9	8275.3	8514.0	8114.5
47.5°	10641.3	10702.8	10771.3	10738.2	10546.8	10390.8	9771.5	9684.0	9669.8	9925.1	9305.8
50°	11300.8	11357.5	11619.9	11809.0	11939.0	11905.9	11369.3	11239.3	11218.0	11381.1	10563.3
52.5°	11773.5	11827.9	12189.5	12780.4	13257.9	13517.9	12976.6	12948.3	12832.4	12775.7	11740.4
55°	12139.9	12215.5	12596.1	13489.6	14451.6	15028.3	14690.3	14588.7	14290.8	13964.7	12832.4
57.5°	12213.2	12243.9	12780.4	13985.9	15378.1	16311.8	16311.8	16134.5	15560.1	15108.7	14094.7
60°	11556.1	11650.6	12376.3	13945.7	15775.2	17150.9	17656.7	17533.8	16758.5	16203.1	15309.6
62.5°	10097.7	10204.0	11088.0	12983.7	15378.1	17323.4	18675.5	18656.6	17782.0	17108.4	16316.5
65°	7743.4	7821.4	8592.0	10861.1	13699.9	16659.3	19403.5	19455.5	18590.4	17706.4	16664.0
67.5°	3890.6	3945.0	4777.0	7419.6	10858.8	14747.0	19353.9	19585.5	18836.2	17389.6	15338.0
70°	1359.1	1413.5	1805.9	3183.9	6608.9	11260.6	17680.4	18058.6	17392.0	14843.9	11315.0
72.5°	465.6	491.6	749.3	1181.8	2571.7	6675.0	13444.6	14014.3	12820.6	9965.3	6502.5
75°	264.7	281.3	401.8	640.6	1077.8	2195.9	7627.6	7977.4	7474.0	5431.7	2675.7
77.5°	179.6	193.8	250.6	364.0	595.6	706.7	3110.6	3916.6	3415.5	1772.8	683.1
80°	106.4	115.8	153.6	215.1	304.9	274.2	666.6	886.4	1141.7	529.5	205.6
82.5°	49.6	56.7	99.3	141.8	153.6	115.8	196.2	238.7	321.5	260.0	85.1
85°	0.0	0.0	33.1	59.1	56.7	33.1	54.4	59.1	87.5	130.0	33.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.4	4.7	7.1	14.2	26.0	14.2
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°	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9	2637.9
2.5°	2647.3	2630.8	2649.7	2640.2	2649.7	2647.3	2628.4	2616.6	2616.6	2595.3	2588.2
5°	2680.4	2663.9	2668.6	2647.3	2642.6	2630.8	2607.1	2597.7	2597.7	2576.4	2569.3
7.5°	2753.7	2727.7	2723.0	2680.4	2661.5	2628.4	2585.9	2569.3	2567.0	2545.7	2538.6
10°	2869.5	2838.8	2817.5	2763.1	2708.8	2642.6	2552.8	2477.1	2434.6	2377.9	2373.1
12.5°	3011.3	2973.5	2940.4	2857.7	2767.9	2619.0	2354.2	2077.7	1907.5	1772.8	1782.2
15°	3169.7	3134.2	3082.2	2957.0	2772.6	2385.0	1831.9	1406.4	1198.4	1087.3	1082.6
17.5°	3342.3	3290.2	3205.2	3035.0	2623.7	1822.4	1191.3	841.5	732.7	694.9	685.5
20°	3503.0	3439.2	3332.8	3051.5	2193.5	1233.8	744.6	652.4	633.5	621.6	621.6
22.5°	3673.2	3592.8	3434.4	2923.9	1630.9	789.5	633.5	612.2	598.0	581.5	579.1
25°	3845.7	3741.7	3526.6	2590.6	1068.4	621.6	593.3	569.6	543.6	517.6	510.6
27.5°	3992.3	3857.5	3597.5	2094.2	685.5	560.2	541.3	501.1	465.6	437.3	432.6
30°	4167.2	3994.6	3628.3	1531.7	538.9	494.0	465.6	423.1	380.6	352.2	342.7
32.5°	4401.2	4212.1	3581.0	997.5	477.5	434.9	390.0	340.4	297.8	267.1	262.4
35°	4765.2	4540.6	3363.5	635.8	432.6	375.8	321.5	269.5	234.0	210.4	205.6
37.5°	5209.6	5001.6	3006.6	477.5	387.6	326.2	262.4	212.7	186.7	170.2	165.5
40°	5869.0	5578.3	2564.6	418.4	342.7	276.6	215.1	174.9	156.0	141.8	137.1
42.5°	6724.7	6259.0	2056.4	380.6	300.2	231.6	174.9	144.2	127.6	118.2	115.8
45°	7724.5	6923.2	1519.8	342.7	260.0	191.5	144.2	118.2	106.4	99.3	96.9
47.5°	8748.0	7504.7	1049.5	302.6	222.2	158.4	120.5	101.6	92.2	82.7	80.4
50°	9840.0	7996.3	716.2	262.4	189.1	130.0	104.0	92.2	80.4	73.3	70.9
52.5°	10641.3	8178.4	498.7	226.9	160.7	111.1	92.2	82.7	73.3	63.8	61.5
55°	11381.1	8173.6	378.2	191.5	137.1	96.9	82.7	73.3	63.8	56.7	54.4
57.5°	12118.6	8109.8	297.8	163.1	118.2	87.5	73.3	63.8	59.1	49.6	47.3
60°	12596.1	7868.7	231.6	137.1	101.6	75.6	63.8	56.7	49.6	42.5	40.2
62.5°	12849.0	7533.1	177.3	108.7	82.7	66.2	56.7	49.6	42.5	35.5	33.1
65°	12506.3	6937.4	139.5	85.1	63.8	56.7	47.3	40.2	33.1	26.0	23.6
67.5°	10986.4	5850.1	108.7	68.5	49.6	42.5	40.2	33.1	23.6	18.9	16.5
70°	7764.7	4006.4	85.1	52.0	37.8	33.1	30.7	26.0	18.9	14.2	11.8
72.5°	4261.7	2021.0	61.5	37.8	28.4	26.0	23.6	21.3	16.5	11.8	11.8
75°	1640.4	555.5	44.9	26.0	18.9	18.9	16.5	16.5	14.2	9.5	9.5
77.5°	427.8	165.5	28.4	16.5	11.8	11.8	11.8	9.5	9.5	7.1	7.1
80°	137.1	54.4	16.5	11.8	9.5	7.1	7.1	4.7	7.1	4.7	4.7
82.5°	44.9	18.9	9.5	9.5	7.1	4.7	4.7	2.4	2.4	0.0	0.0
85°	16.5	9.5	7.1	4.7	4.7	4.7	2.4	0.0	0.0	0.0	0.0
87.5°	9.5	4.7	4.7	4.7	4.7	2.4	0.0	0.0	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)