

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: P642788

Luminaire Tested: GWS-SA6D-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642788
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-SA6D-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26901.1 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

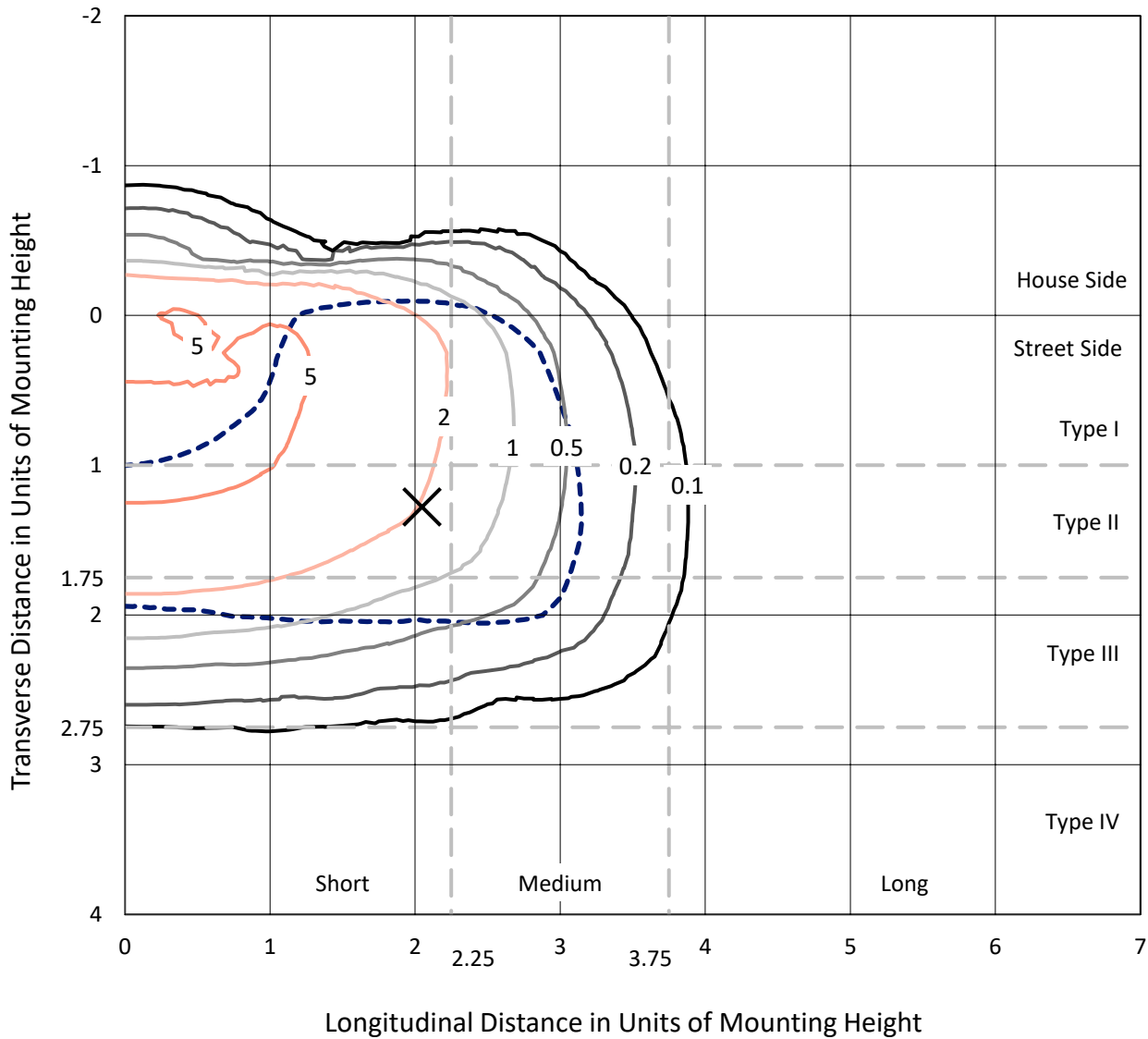
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

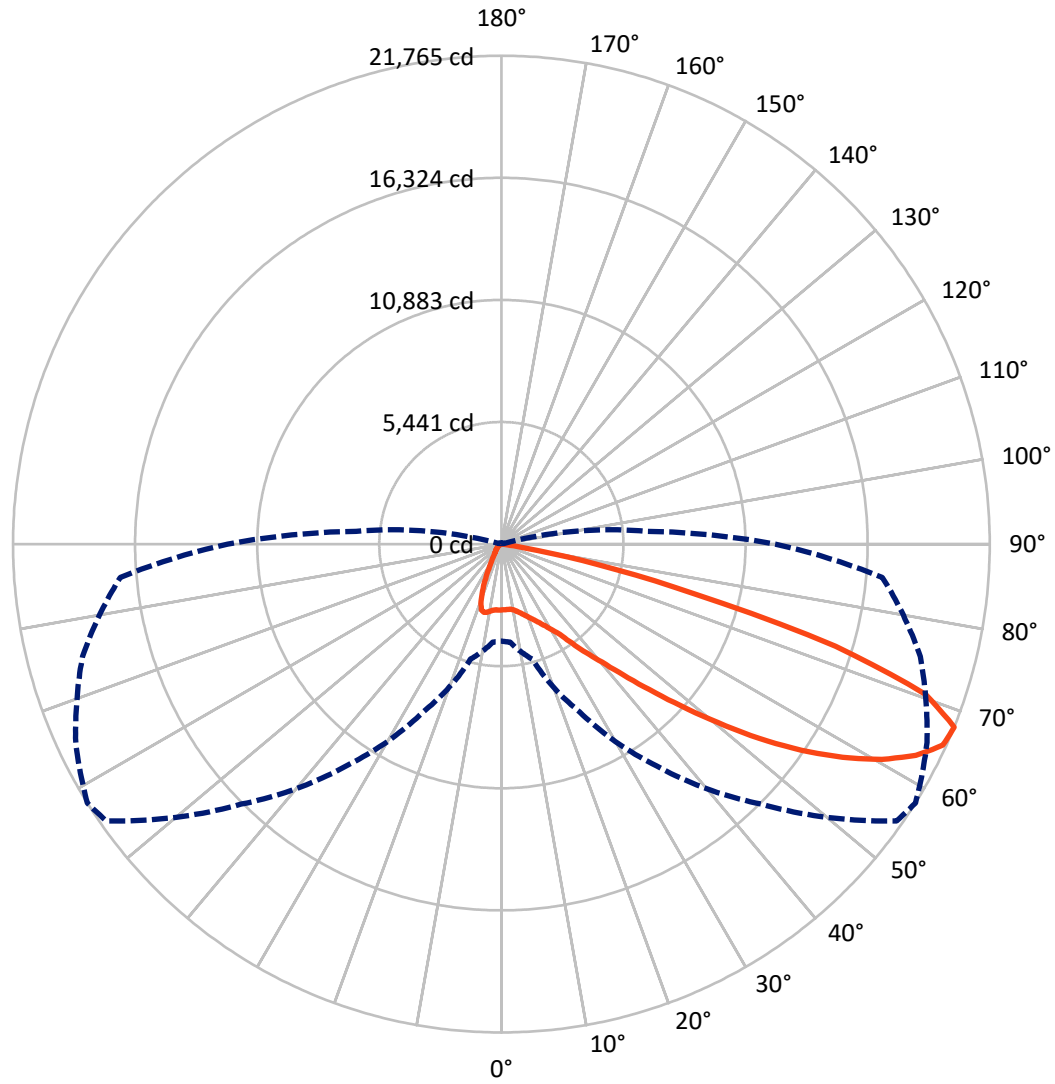
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	2934.8	0.0	2934.8
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	23966.3	0.0	23966.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	26901.1	0.0	26901.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.4	1.0
10°-20°	773.2	2.9
20°-30°	1349.6	5.0
30°-40°	2410.2	9.0
40°-50°	4405.3	16.4
50°-60°	7326.5	27.2
60°-70°	7957.9	29.6
70°-80°	2336.5	8.7
80°-90°	66.5	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°	26901.1	100.0
0°-180°	26901.1	100.0

Coefficient of Utilization



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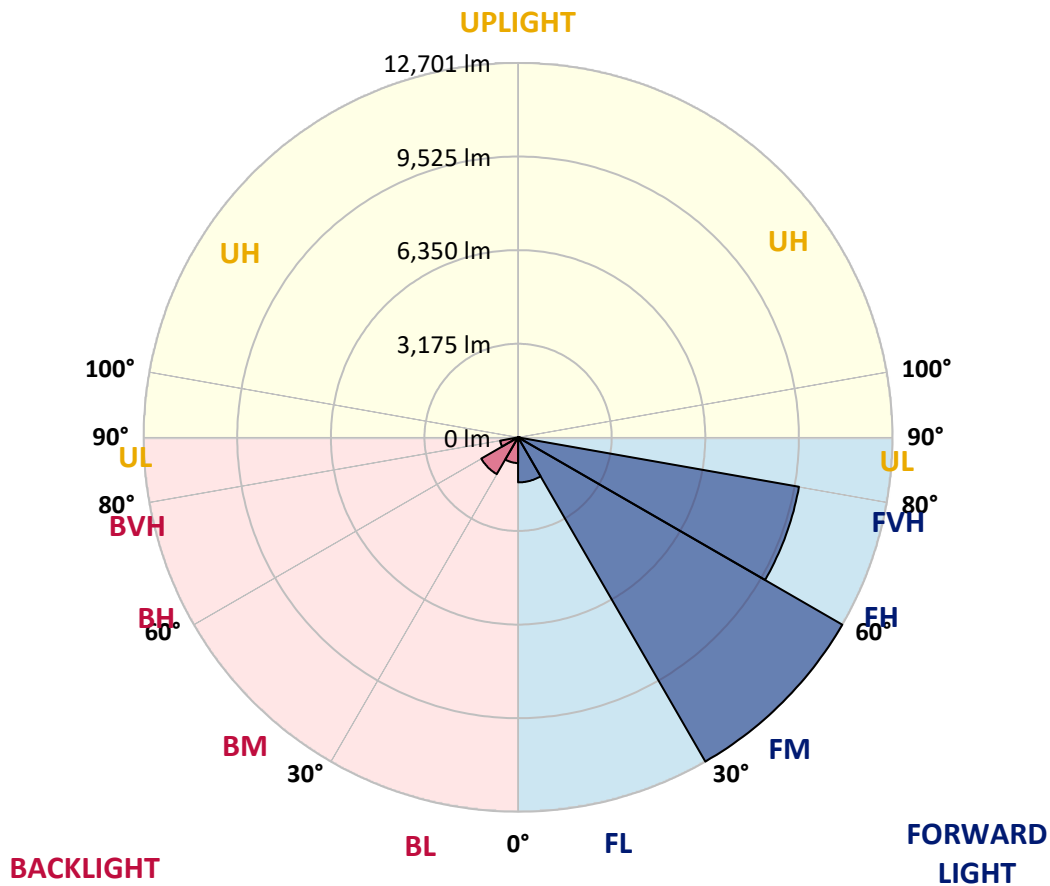
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1527.6	5.7			
FM (30°-60°)	12700.6	47.2			
FH (60°-80°)	9674.9	36.0			G4/12000
FVH (80°-90°)	63.3	0.2			G1/100
BL (0°-30°)	870.6	3.2	B2/1000		
BM (30°-60°)	1441.5	5.4	B2/2500		
BH (60°-80°)	619.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4
2.5°	2876.3	2871.0	2871.0	2892.0	2894.6	2905.1	2928.8	2931.4	2944.5	2939.3	2920.9
5°	2726.5	2729.2	2744.9	2781.7	2813.2	2852.6	2910.4	2923.5	2952.4	2968.2	2957.7
7.5°	2587.3	2589.9	2613.6	2671.4	2731.8	2810.6	2905.1	2931.4	2989.2	3031.2	3033.9
10°	2534.8	2532.2	2555.8	2621.5	2700.3	2810.6	2947.2	2981.3	3068.0	3141.6	3154.7
12.5°	2550.5	2547.9	2571.6	2632.0	2718.7	2857.9	3020.7	3068.0	3178.3	3291.3	3314.9
15°	2613.6	2611.0	2626.7	2676.6	2771.2	2915.7	3115.3	3186.2	3325.4	3462.0	3498.8
17.5°	2802.7	2789.6	2773.8	2779.1	2834.2	2984.0	3236.1	3322.8	3496.2	3659.0	3690.5
20°	3138.9	3104.8	3062.8	3007.6	2981.3	3083.8	3375.3	3475.1	3685.3	3871.8	3877.0
22.5°	3645.9	3632.7	3535.6	3375.3	3262.4	3265.0	3538.2	3653.8	3911.2	4116.1	4087.2
25°	4352.5	4344.6	4194.9	3932.2	3638.0	3538.2	3745.7	3863.9	4179.1	4397.1	4305.2
27.5°	5229.8	5174.6	4998.6	4644.0	4205.4	3892.8	4008.4	4113.4	4462.8	4667.7	4494.3
30°	5994.2	5996.8	5831.3	5460.9	4967.1	4426.0	4328.8	4420.8	4722.8	4938.2	4728.1
32.5°	6729.6	6753.3	6572.0	6238.5	5697.3	5122.1	4788.5	4804.3	5056.4	5290.2	5035.4
35°	7412.6	7431.0	7304.9	7021.2	6516.9	5849.7	5429.4	5421.5	5558.1	5797.2	5463.6
37.5°	8177.0	8195.4	8071.9	7817.1	7344.3	6682.4	6157.0	6146.5	6201.7	6396.1	6015.2
40°	8991.3	9025.4	8888.8	8673.4	8221.6	7662.1	7002.8	6908.3	6853.1	7081.6	6729.6
42.5°	9816.0	9868.6	9821.3	9605.9	9219.8	8757.5	8100.8	7953.7	7835.5	8121.8	7748.8
45°	10840.5	10903.5	10882.5	10717.0	10417.6	10041.9	9422.0	9251.3	9196.1	9461.4	9017.5
47.5°	11825.5	11893.8	11969.9	11933.2	11720.4	11547.0	10858.8	10761.7	10745.9	11029.6	10341.4
50°	12558.3	12621.4	12912.9	13123.1	13267.5	13230.8	12634.5	12490.0	12466.4	12647.6	11738.8
52.5°	13083.7	13144.1	13546.0	14202.7	14733.3	15022.2	14420.7	14389.2	14260.4	14197.4	13046.9
55°	13490.8	13574.9	13997.8	14990.7	16059.7	16700.7	16325.0	16212.1	15881.1	15518.6	14260.4
57.5°	13572.2	13606.4	14202.7	15542.3	17089.4	18127.0	18127.0	17930.0	17291.7	16790.0	15663.1
60°	12842.0	12947.1	13753.5	15497.6	17530.7	19059.5	19621.6	19485.0	18623.4	18006.1	17013.2
62.5°	11221.3	11339.5	12321.9	14428.6	17089.4	19251.2	20753.7	20732.7	19760.8	19012.2	18132.2
65°	8605.1	8691.8	9548.1	12069.8	15224.5	18513.1	21562.7	21620.5	20659.1	19676.7	18518.4
67.5°	4323.6	4384.0	5308.6	8245.3	12067.1	16388.1	21507.6	21765.0	20932.3	19324.8	17044.8
70°	1510.4	1570.8	2006.8	3538.2	7344.3	12513.7	19647.8	20068.1	19327.4	16495.8	12574.1
72.5°	517.5	546.4	832.7	1313.4	2857.9	7417.8	14940.8	15573.8	14247.3	11074.2	7226.1
75°	294.2	312.6	446.5	711.8	1197.8	2440.2	8476.4	8865.2	8305.7	6036.2	2973.4
77.5°	199.6	215.4	278.4	404.5	661.9	785.4	3456.8	4352.5	3795.6	1970.0	759.1
80°	118.2	128.7	170.7	239.0	338.8	304.7	740.7	985.0	1268.7	588.4	228.5
82.5°	55.2	63.0	110.3	157.6	170.7	128.7	218.0	265.3	357.2	288.9	94.6
85°	0.0	0.0	36.8	65.7	63.0	36.8	60.4	65.7	97.2	144.5	36.8
87.5°	0.0	0.0	0.0	0.0	0.0	2.6	5.3	7.9	15.8	28.9	15.8
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°	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4	2931.4
2.5°	2941.9	2923.5	2944.5	2934.0	2944.5	2941.9	2920.9	2907.8	2907.8	2884.1	2876.3
5°	2978.7	2960.3	2965.6	2941.9	2936.7	2923.5	2897.3	2886.8	2886.8	2863.1	2855.2
7.5°	3060.1	3031.2	3026.0	2978.7	2957.7	2920.9	2873.6	2855.2	2852.6	2829.0	2821.1
10°	3188.8	3154.7	3131.0	3070.6	3010.2	2936.7	2836.9	2752.8	2705.5	2642.5	2637.2
12.5°	3346.4	3304.4	3267.6	3175.7	3075.9	2910.4	2616.2	2308.9	2119.8	1970.0	1980.5
15°	3522.4	3483.0	3425.2	3286.0	3081.1	2650.4	2035.7	1562.9	1331.7	1208.3	1203.0
17.5°	3714.2	3656.4	3561.8	3372.7	2915.7	2025.2	1323.9	935.1	814.3	772.3	761.7
20°	3892.8	3821.9	3703.7	3391.1	2437.6	1371.1	827.4	725.0	704.0	690.8	690.8
22.5°	4081.9	3992.6	3816.6	3249.2	1812.4	877.3	704.0	680.3	664.6	646.2	643.5
25°	4273.7	4158.1	3919.1	2878.9	1187.3	690.8	659.3	633.0	604.1	575.3	567.4
27.5°	4436.5	4286.8	3997.9	2327.3	761.7	622.5	601.5	556.9	517.5	485.9	480.7
30°	4630.9	4439.2	4032.0	1702.1	598.9	549.0	517.5	470.2	422.9	391.4	380.9
32.5°	4890.9	4680.8	3979.5	1108.5	530.6	483.3	433.4	378.2	331.0	296.8	291.6
35°	5295.5	5045.9	3737.8	706.6	480.7	417.6	357.2	299.4	260.0	233.8	228.5
37.5°	5789.3	5558.1	3341.2	530.6	430.8	362.5	291.6	236.4	207.5	189.1	183.9
40°	6522.1	6199.1	2850.0	464.9	380.9	307.3	239.0	194.4	173.4	157.6	152.3
42.5°	7473.0	6955.5	2285.2	422.9	333.6	257.4	194.4	160.2	141.8	131.3	128.7
45°	8584.1	7693.7	1689.0	380.9	288.9	212.8	160.2	131.3	118.2	110.3	107.7
47.5°	9721.5	8339.8	1166.3	336.2	246.9	176.0	134.0	112.9	102.4	91.9	89.3
50°	10935.0	8886.2	795.9	291.6	210.1	144.5	115.6	102.4	89.3	81.4	78.8
52.5°	11825.5	9088.4	554.2	252.2	178.6	123.5	102.4	91.9	81.4	70.9	68.3
55°	12647.6	9083.2	420.3	212.8	152.3	107.7	91.9	81.4	70.9	63.0	60.4
57.5°	13467.2	9012.3	331.0	181.2	131.3	97.2	81.4	70.9	65.7	55.2	52.5
60°	13997.8	8744.3	257.4	152.3	112.9	84.1	70.9	63.0	55.2	47.3	44.7
62.5°	14278.8	8371.3	197.0	120.8	91.9	73.5	63.0	55.2	47.3	39.4	36.8
65°	13898.0	7709.4	155.0	94.6	70.9	63.0	52.5	44.7	36.8	28.9	26.3
67.5°	12209.0	6501.1	120.8	76.2	55.2	47.3	44.7	36.8	26.3	21.0	18.4
70°	8628.8	4452.3	94.6	57.8	42.0	36.8	34.1	28.9	21.0	15.8	13.1
72.5°	4736.0	2245.8	68.3	42.0	31.5	28.9	26.3	23.6	18.4	13.1	13.1
75°	1822.9	617.3	49.9	28.9	21.0	21.0	18.4	18.4	15.8	10.5	10.5
77.5°	475.4	183.9	31.5	18.4	13.1	13.1	13.1	10.5	10.5	7.9	7.9
80°	152.3	60.4	18.4	13.1	10.5	7.9	7.9	5.3	7.9	5.3	5.3
82.5°	49.9	21.0	10.5	10.5	7.9	5.3	5.3	2.6	2.6	0.0	0.0
85°	18.4	10.5	7.9	5.3	5.3	5.3	2.6	0.0	0.0	0.0	0.0
87.5°	10.5	5.3	5.3	5.3	5.3	2.6	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)