

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: P635917

Luminaire Tested: GWS-SA3E-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635917
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17368.6 lumens
Efficiency: N/A
Efficacy: 109.1 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

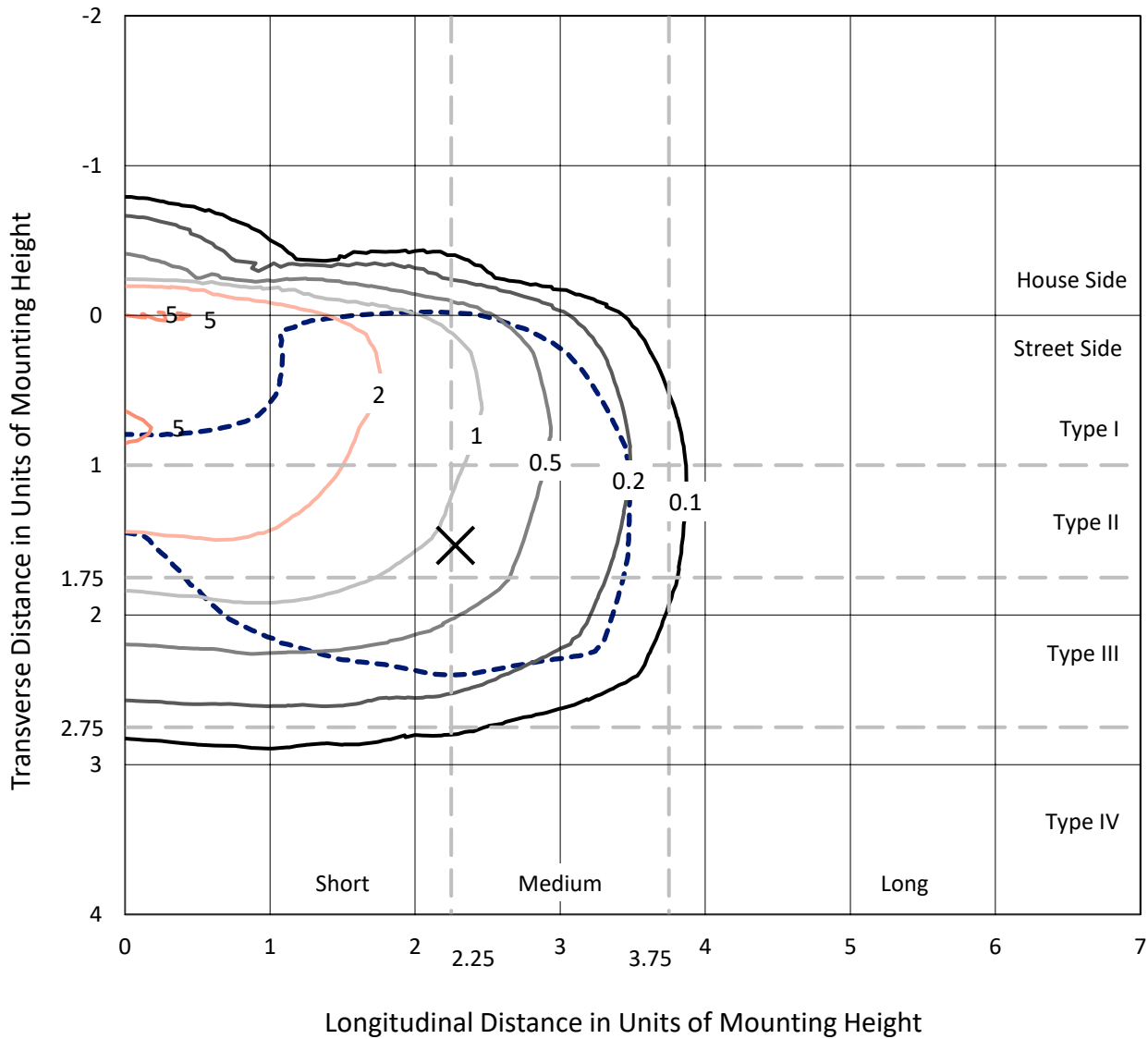
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

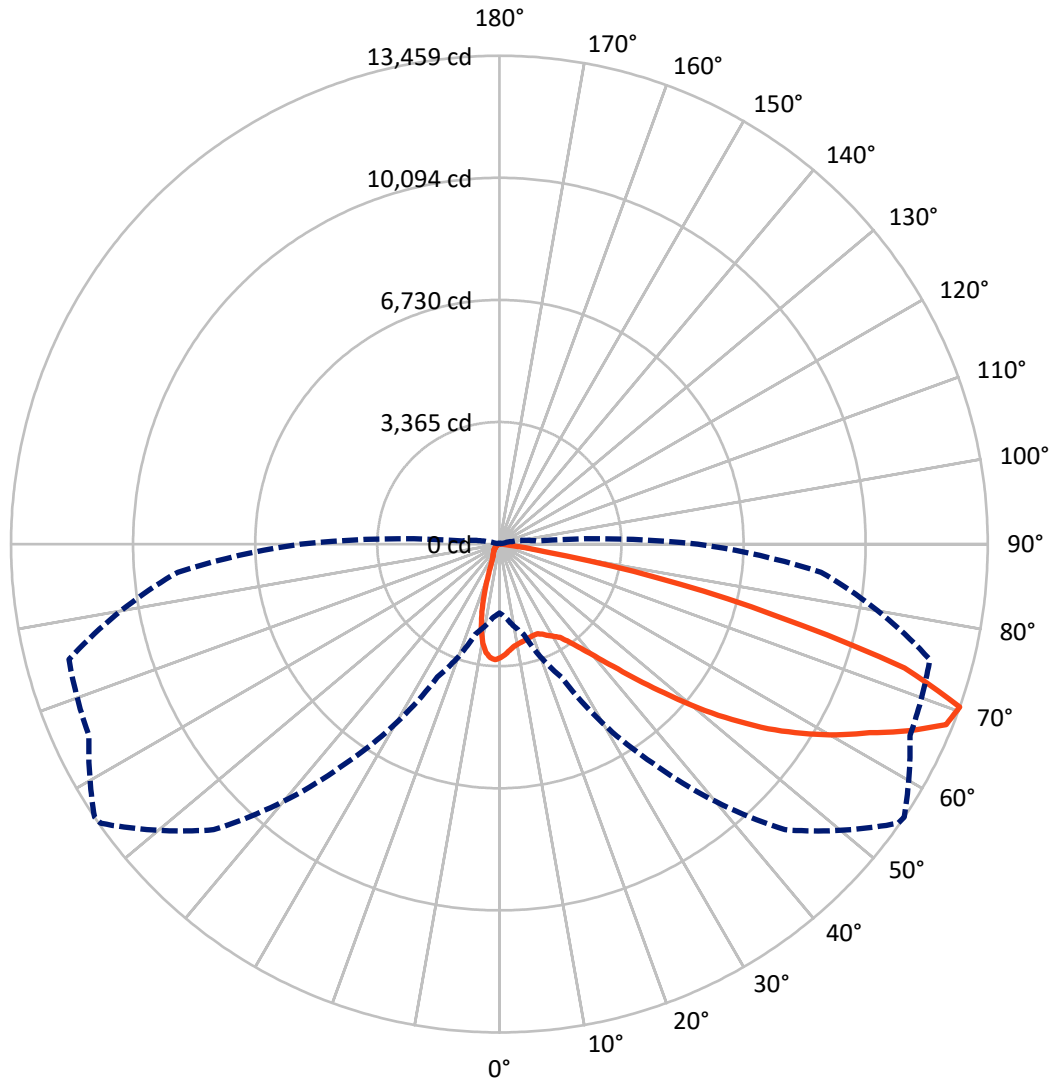
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	1560.0	0.0	1560.0
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	15808.6	0.0	15808.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	17368.6	0.0	17368.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.9	1.5
10°-20°	604.8	3.5
20°-30°	957.9	5.5
30°-40°	1652.0	9.5
40°-50°	2789.6	16.1
50°-60°	4098.8	23.6
60°-70°	4859.4	28.0
70°-80°	2072.2	11.9
80°-90°	65.1	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°	17368.6	100.0
0°-180°	17368.6	100.0

Coefficient of Utilization

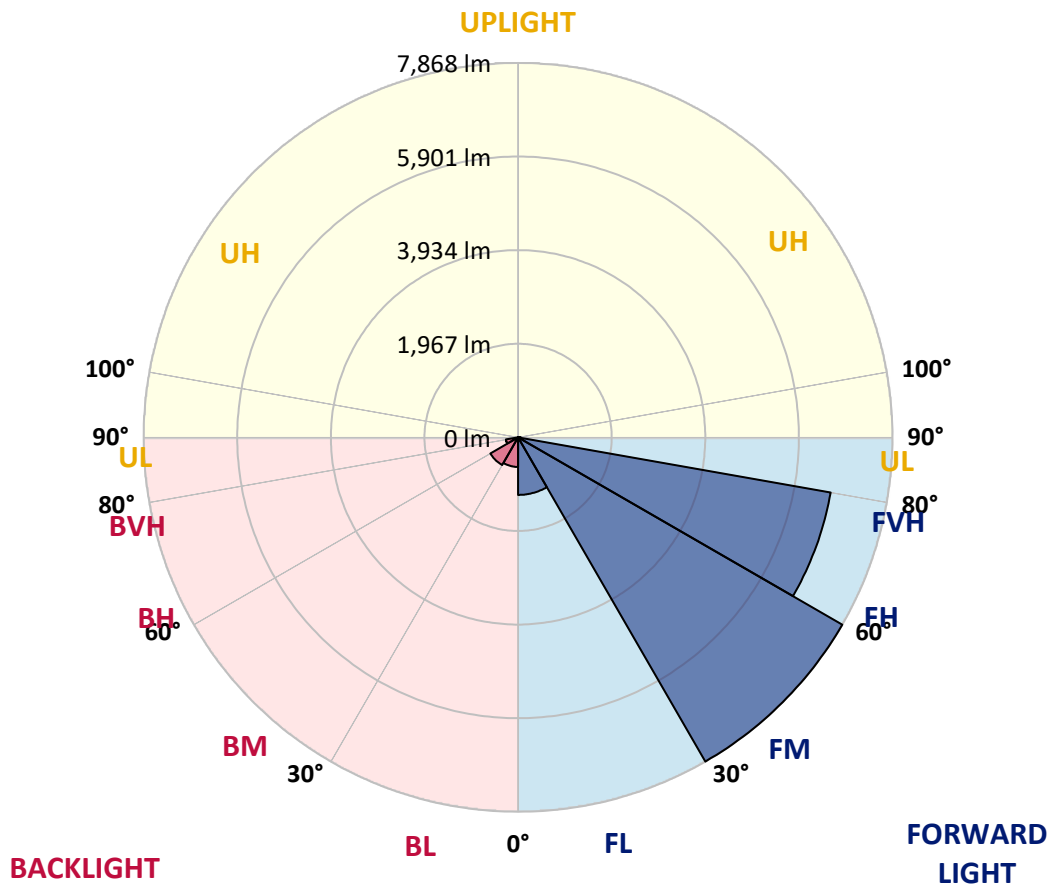


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1210.3	7.0			
FM (30°-60°)	7868.4	45.3			
FH (60°-80°)	6671.4	38.4			G3/7500
FVH (80°-90°)	58.5	0.3			G1/100
BL (0°-30°)	621.3	3.6	B2/1000		
BM (30°-60°)	671.9	3.9	B1/1000		
BH (60°-80°)	260.2	1.5	B1/500		G1/500
BVH (80°-90°)	6.6	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°	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7
2.5°	2915.4	2910.7	2913.8	2937.7	2982.2	3002.9	3037.9	3044.3	3072.9	3109.5	3123.8
5°	2726.2	2710.2	2718.2	2751.6	2802.5	2859.8	2925.0	2942.5	3014.0	3095.2	3155.6
7.5°	2552.8	2535.3	2554.4	2606.9	2678.4	2740.5	2837.5	2848.6	2963.1	3106.3	3216.0
10°	2280.8	2285.6	2323.7	2416.0	2525.7	2654.6	2785.0	2800.9	2942.5	3142.9	3313.1
12.5°	2072.4	2061.3	2102.7	2207.6	2361.9	2549.6	2745.2	2765.9	2944.1	3198.5	3437.1
15°	1975.4	1972.2	1989.7	2066.1	2215.6	2436.7	2708.7	2735.7	2964.7	3249.4	3554.8
17.5°	1978.6	1973.8	1972.2	2016.8	2128.1	2352.4	2668.9	2703.9	2982.2	3305.1	3678.9
20°	2117.0	2094.7	2055.0	2034.3	2101.1	2298.3	2641.9	2681.6	3007.7	3363.9	3810.9
22.5°	2406.5	2414.4	2307.8	2196.5	2164.7	2304.7	2638.7	2684.8	3063.3	3456.2	3973.1
25°	2985.4	2972.7	2775.5	2525.7	2352.4	2377.8	2694.3	2750.0	3173.1	3588.2	4125.8
27.5°	3710.7	3721.8	3451.4	3053.8	2691.2	2528.9	2796.1	2851.8	3300.3	3670.9	4227.6
30°	4501.2	4490.0	4200.6	3760.0	3171.5	2780.2	2897.9	2947.2	3363.9	3715.5	4332.6
32.5°	5248.7	5223.3	4937.0	4475.7	3783.8	3176.3	3037.9	3066.5	3448.2	3812.5	4474.1
35°	5886.5	5884.9	5635.2	5143.7	4413.7	3672.5	3278.1	3301.9	3605.7	3966.8	4682.5
37.5°	6545.0	6522.7	6242.8	5794.3	5061.0	4216.5	3645.5	3635.9	3853.8	4194.2	4938.6
40°	7085.8	7071.5	6856.7	6425.7	5733.8	4817.7	4090.8	4062.2	4148.1	4509.1	5294.8
42.5°	7486.6	7488.2	7421.4	7158.9	6446.4	5512.7	4650.7	4606.1	4604.6	4984.7	5765.6
45°	7790.4	7811.0	7911.2	7871.5	7287.8	6322.3	5368.0	5321.9	5243.9	5601.8	6304.8
47.5°	7931.9	7959.0	8261.2	8420.2	8024.2	7125.5	6222.1	6125.1	5972.4	6422.5	6907.6
50°	7917.6	7965.3	8386.8	8870.3	8692.2	7939.9	7152.6	7106.4	6856.7	7290.9	7504.1
52.5°	7593.1	7694.9	8394.8	9143.9	9205.9	8690.6	8114.8	8028.9	7908.1	8197.5	8063.9
55°	6712.0	6836.1	8059.2	9231.4	9606.7	9345.9	9056.4	8986.4	8786.0	9053.2	8552.2
57.5°	6233.2	6339.8	7353.0	9188.4	9947.1	9951.9	9894.6	9837.4	9672.0	9899.4	9124.8
60°	5945.4	6051.9	6976.0	9031.0	10255.7	10591.3	10681.9	10675.6	10437.0	10861.7	9796.0
62.5°	5523.9	5670.2	6583.2	8622.2	10475.2	11221.1	11494.7	11451.7	11186.1	11863.7	10460.8
65°	4672.9	4800.2	5778.4	7947.8	10346.3	11742.8	12375.8	12398.1	12091.1	12806.9	10985.7
67.5°	3276.5	3370.3	4342.1	6532.3	9471.5	11914.6	13277.7	13276.1	12752.8	13290.4	10753.5
70°	1899.1	2027.9	2565.5	4038.3	7368.9	11133.6	13412.9	13459.0	12484.0	12280.4	8899.0
72.5°	734.8	841.4	1453.7	2145.6	3842.7	8528.4	11537.6	11672.8	10448.1	9473.1	6193.5
75°	219.5	244.9	683.9	1142.0	1542.8	4119.4	7811.0	7849.2	7166.9	5908.8	3174.7
77.5°	163.8	181.3	299.0	577.4	540.8	1248.6	4041.5	4413.7	3804.5	2110.6	874.8
80°	111.3	132.0	213.1	281.5	200.4	332.4	1135.6	1247.0	1161.1	474.0	219.5
82.5°	49.3	63.6	151.1	141.6	73.2	95.4	349.9	372.2	240.2	143.1	76.3
85°	4.8	6.4	57.3	62.0	27.0	22.3	73.2	73.2	52.5	49.3	31.8
87.5°	0.0	0.0	1.6	3.2	3.2	4.8	6.4	8.0	9.5	12.7	15.9
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°	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7	3131.7
2.5°	3160.4	3141.3	3165.1	3184.2	3189.0	3154.0	3133.3	3103.1	3096.7	3098.3	3090.4
5°	3203.3	3193.8	3211.3	3190.6	3136.5	3034.7	2947.2	2850.2	2797.7	2767.5	2764.3
7.5°	3282.8	3278.1	3259.0	3165.1	2996.5	2770.7	2552.8	2339.7	2207.6	2159.9	2152.0
10°	3400.5	3391.0	3313.1	3090.4	2730.9	2296.7	1930.9	1625.5	1439.4	1385.3	1318.5
12.5°	3535.7	3516.6	3346.5	2929.7	2330.1	1728.9	1272.4	930.5	769.8	722.1	722.1
15°	3666.1	3624.8	3327.4	2664.1	1837.1	1124.5	711.0	537.6	488.3	475.6	475.6
17.5°	3799.8	3720.2	3252.6	2301.5	1269.2	664.8	474.0	440.6	434.2	435.8	437.4
20°	3925.4	3801.3	3120.6	1865.7	809.6	464.4	424.7	416.7	413.5	416.7	415.1
22.5°	4062.2	3876.1	2920.2	1390.1	526.5	418.3	404.0	397.6	394.4	399.2	399.2
25°	4197.4	3930.2	2654.6	935.2	418.3	389.7	381.7	375.4	372.2	373.8	373.8
27.5°	4267.4	3909.5	2306.3	596.4	375.4	361.0	353.1	345.1	340.4	338.8	340.4
30°	4315.1	3845.9	1880.0	424.7	340.4	322.9	314.9	308.6	295.8	287.9	291.1
32.5°	4389.8	3782.3	1417.2	356.3	311.7	284.7	272.0	256.1	238.6	230.6	230.6
35°	4478.9	3694.8	994.1	321.3	281.5	252.9	229.0	202.0	181.3	175.0	175.0
37.5°	4596.6	3612.1	661.7	297.4	256.1	225.9	192.5	160.6	138.4	135.2	133.6
40°	4773.1	3542.1	466.0	279.9	233.8	197.2	157.5	124.1	108.2	103.4	103.4
42.5°	5002.2	3470.5	369.0	262.4	214.7	170.2	125.7	98.6	85.9	82.7	81.1
45°	5285.3	3386.2	321.3	246.5	195.6	141.6	100.2	82.7	73.2	70.0	70.0
47.5°	5592.3	3271.7	299.0	225.9	173.4	114.5	84.3	71.6	66.8	65.2	63.6
50°	5894.5	3117.4	279.9	206.8	147.9	93.8	73.2	65.2	62.0	60.4	60.4
52.5°	6158.5	2937.7	256.1	184.5	120.9	81.1	65.2	60.4	57.3	54.1	52.5
55°	6384.3	2742.1	225.9	159.1	98.6	71.6	60.4	55.7	52.5	49.3	47.7
57.5°	6675.4	2630.7	181.3	128.8	81.1	63.6	55.7	50.9	47.7	42.9	42.9
60°	6998.3	2549.6	135.2	101.8	70.0	58.8	50.9	46.1	42.9	38.2	38.2
62.5°	7257.5	2428.7	106.6	82.7	60.4	52.5	46.1	41.4	38.2	33.4	33.4
65°	7356.2	2179.0	87.5	65.2	49.3	46.1	41.4	38.2	33.4	28.6	28.6
67.5°	6910.8	1679.6	73.2	52.5	41.4	39.8	36.6	35.0	28.6	25.4	23.9
70°	5473.0	1024.3	60.4	42.9	35.0	33.4	33.4	30.2	25.4	23.9	22.3
72.5°	3750.4	528.1	49.3	35.0	30.2	30.2	28.6	27.0	23.9	22.3	22.3
75°	1948.4	176.5	38.2	27.0	23.9	25.4	25.4	23.9	22.3	22.3	20.7
77.5°	558.3	79.5	28.6	20.7	19.1	19.1	20.7	20.7	20.7	19.1	19.1
80°	144.7	46.1	20.7	15.9	15.9	15.9	15.9	17.5	19.1	17.5	17.5
82.5°	58.8	25.4	14.3	12.7	12.7	12.7	12.7	14.3	15.9	15.9	15.9
85°	36.6	12.7	11.1	11.1	11.1	9.5	9.5	11.1	11.1	12.7	12.7
87.5°	22.3	9.5	9.5	9.5	9.5	8.0	8.0	8.0	8.0	8.0	8.0
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)