

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: P635782

Luminaire Tested: GWS-SA3E-740-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-740-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17327.4 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

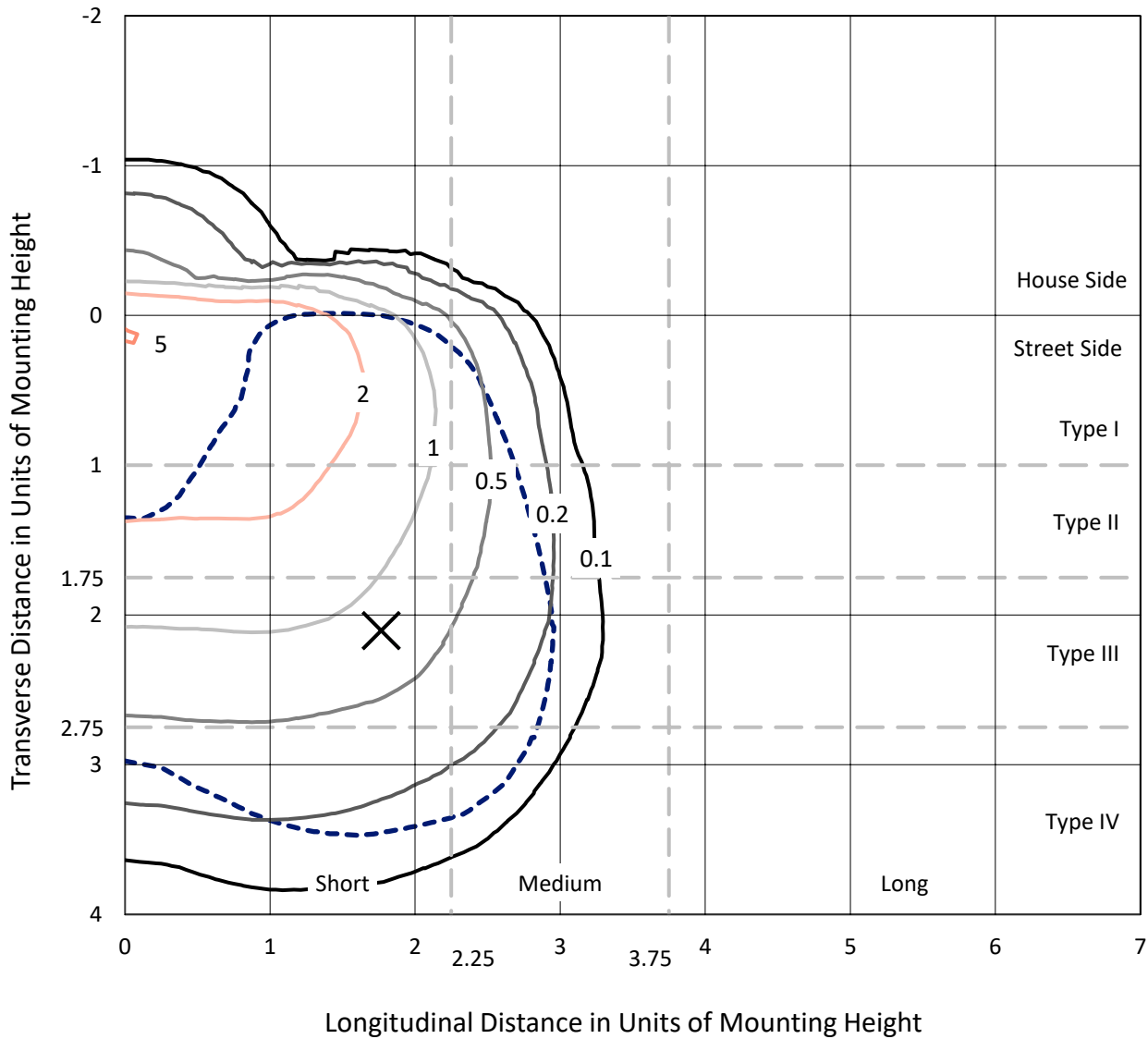
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

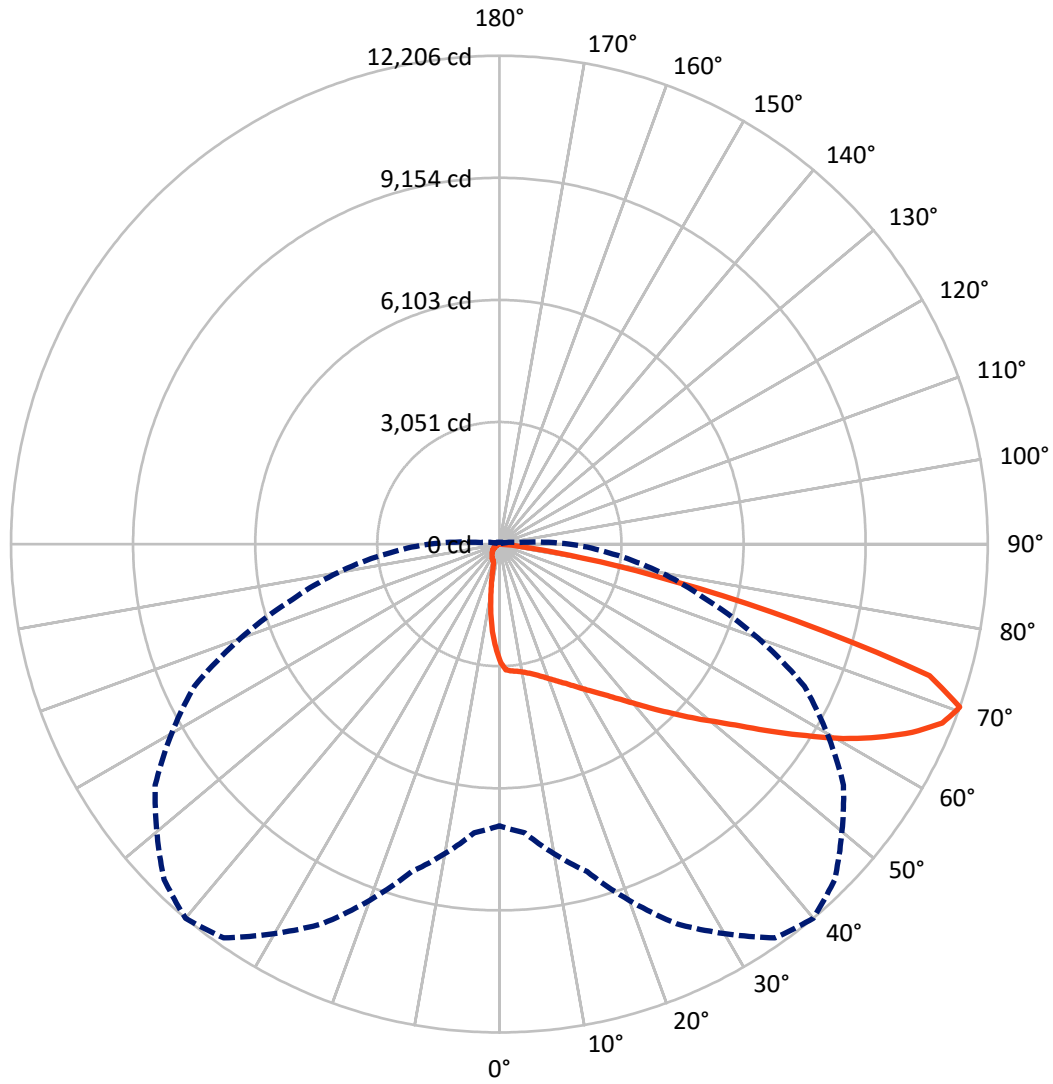
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1416.9	0.0	1416.9
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	15910.5	0.0	15910.5
	% Fixture	91.8	0.0	91.8
Total	Lumens	17327.4	0.0	17327.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	1.4
10°-20°	630.3	3.6
20°-30°	1054.9	6.1
30°-40°	1656.8	9.6
40°-50°	2620.7	15.1
50°-60°	3822.9	22.1
60°-70°	4739.1	27.4
70°-80°	2397.7	13.8
80°-90°	156.5	0.9
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°	17327.4	100.0
0°-180°	17327.4	100.0

Coefficient of Utilization



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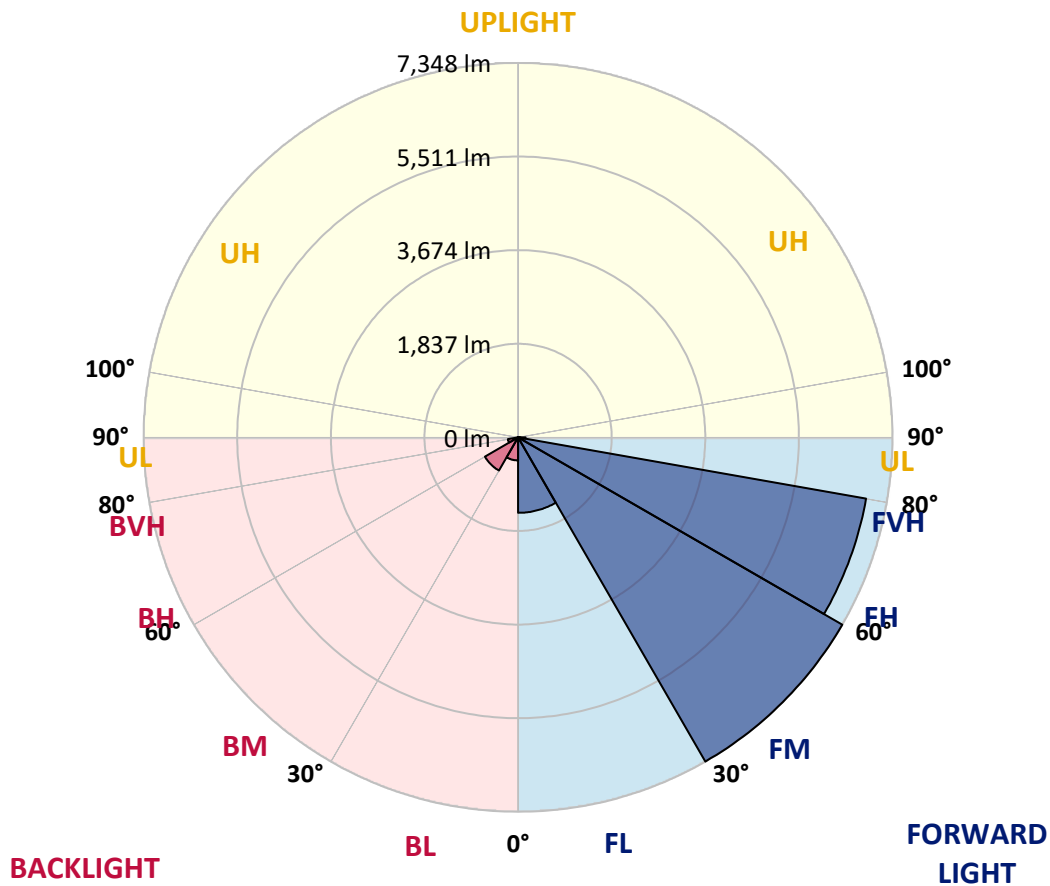
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1481.2	8.5			
FM (30°-60°)	7348.4	42.4			
FH (60°-80°)	6934.7	40.0			G3/7500
FVH (80°-90°)	146.2	0.8			G2/225
BL (0°-30°)	452.5	2.6	B1/500		
BM (30°-60°)	752.1	4.3	B1/1000		
BH (60°-80°)	202.0	1.2	B1/500		G1/500
BVH (80°-90°)	10.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3
2.5°	3161.0	3172.0	3170.4	3175.2	3164.1	3146.8	3143.6	3120.0	3077.4	3023.8	2963.9
5°	3225.6	3238.2	3228.8	3224.0	3203.5	3184.6	3179.9	3154.7	3105.8	3033.3	2929.2
7.5°	3280.8	3283.9	3277.6	3266.6	3236.6	3211.4	3194.1	3159.4	3101.1	3028.5	2908.7
10°	3290.2	3288.7	3291.8	3293.4	3274.5	3252.4	3238.2	3190.9	3116.8	3039.6	2910.3
12.5°	3279.2	3279.2	3299.7	3323.4	3323.4	3312.3	3298.1	3255.6	3168.9	3077.4	2941.8
15°	3293.4	3298.1	3337.5	3381.7	3395.9	3384.8	3378.5	3334.4	3244.5	3143.6	2998.6
17.5°	3343.8	3348.6	3411.6	3477.9	3495.2	3482.6	3470.0	3425.8	3329.7	3219.3	3063.2
20°	3417.9	3430.6	3511.0	3596.1	3611.9	3596.1	3570.9	3509.4	3413.2	3301.3	3124.7
22.5°	3553.5	3561.4	3648.1	3738.0	3745.9	3720.6	3682.8	3597.7	3496.8	3388.0	3194.1
25°	3733.3	3744.3	3831.0	3917.7	3897.2	3859.4	3807.4	3711.2	3596.1	3490.5	3282.4
27.5°	3947.7	3960.3	4045.4	4121.1	4067.5	4023.3	3965.0	3845.2	3728.5	3632.4	3395.9
30°	4179.4	4190.5	4266.1	4333.9	4263.0	4210.9	4141.6	4018.6	3900.4	3827.8	3556.7
32.5°	4403.3	4401.7	4474.2	4529.4	4456.9	4415.9	4352.8	4228.3	4133.7	4102.2	3796.3
35°	4611.4	4611.4	4671.3	4726.5	4674.4	4652.4	4594.0	4494.7	4441.1	4479.0	4116.4
37.5°	4821.1	4810.0	4866.8	4928.3	4923.5	4925.1	4892.0	4844.7	4847.9	4981.9	4556.2
40°	4994.5	4989.8	5056.0	5136.4	5199.4	5249.9	5229.4	5246.7	5346.1	5596.7	5119.0
42.5°	5133.2	5144.3	5229.4	5357.1	5516.3	5618.8	5633.0	5703.9	5959.3	6347.2	5754.4
45°	5292.5	5294.0	5412.3	5607.8	5861.6	6024.0	6080.7	6263.6	6626.2	7126.0	6451.2
47.5°	5487.9	5469.0	5601.5	5875.8	6243.1	6482.7	6583.6	6812.2	7373.5	7885.9	7018.8
50°	5703.9	5669.2	5819.0	6192.7	6670.4	6969.9	7174.8	7509.1	8114.5	8510.2	7441.3
52.5°	5954.6	5921.5	6091.8	6556.8	7182.7	7546.9	7810.2	8147.6	8749.8	8986.3	7693.5
55°	6273.1	6240.0	6419.7	6993.5	7788.1	8261.1	8537.0	8820.8	9341.0	9337.9	7876.4
57.5°	6626.2	6580.5	6829.6	7545.3	8543.3	9035.2	9315.8	9454.5	9790.3	9610.6	7999.4
60°	7031.4	6990.4	7335.7	8202.8	9415.1	9870.7	10047.3	9990.6	10159.2	9771.4	7956.8
62.5°	7397.1	7378.2	7807.0	8899.6	10246.0	10630.6	10679.5	10432.0	10430.4	9774.6	7669.9
65°	7777.1	7813.3	8450.3	9702.0	11081.5	11340.1	11256.5	10870.3	10539.2	9388.3	6821.7
67.5°	7919.0	8024.6	8874.4	10427.3	11740.5	11942.3	11795.7	11089.4	10086.7	8089.2	5194.7
70°	7042.4	7241.1	8473.9	10468.2	12013.3	12205.6	11854.0	10499.8	8409.3	5358.7	2845.7
72.5°	5355.5	5587.3	7061.3	8571.7	10804.0	11242.3	10641.7	8554.3	5420.2	2347.5	955.4
75°	2997.0	3247.7	5259.3	6454.4	7253.7	7654.1	7433.4	5487.9	2401.1	613.3	285.4
77.5°	1013.7	1097.3	2446.8	3993.4	4788.0	4428.5	3749.0	2725.8	882.9	233.3	151.3
80°	600.7	632.2	911.2	1988.0	2519.3	2088.9	1649.1	1007.4	449.3	124.5	105.6
82.5°	179.7	212.8	502.9	737.8	986.9	614.9	520.3	575.4	233.3	67.8	88.3
85°	0.0	0.0	107.2	228.6	258.6	100.9	100.9	326.3	42.6	28.4	64.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	7.9	4.7	6.3	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°	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3	2940.3
2.5°	2921.3	2866.2	2801.5	2740.0	2681.7	2606.0	2569.8	2525.6	2487.8	2467.3	2478.3
5°	2863.0	2776.3	2643.9	2509.9	2374.3	2246.6	2131.5	2054.2	1984.9	1948.6	1956.5
7.5°	2812.6	2695.9	2489.4	2270.2	2052.7	1833.5	1655.4	1516.6	1409.4	1365.3	1357.4
10°	2790.5	2643.9	2352.2	2036.9	1702.7	1407.9	1155.6	1002.7	893.9	840.3	849.8
12.5°	2801.5	2617.1	2235.5	1808.3	1374.7	1031.1	789.8	646.4	569.1	537.6	529.7
15°	2833.0	2610.8	2131.5	1575.0	1061.0	720.5	545.5	487.2	471.4	468.2	468.2
17.5°	2869.3	2612.3	2024.3	1338.5	805.6	534.4	466.7	455.6	450.9	447.7	449.3
20°	2905.6	2612.3	1901.3	1098.9	605.4	461.9	444.6	436.7	432.0	430.4	430.4
22.5°	2949.7	2612.3	1764.2	876.6	485.6	438.3	424.1	419.4	414.6	413.1	411.5
25°	3003.3	2613.9	1612.8	685.8	441.4	417.8	406.7	402.0	397.3	394.1	394.1
27.5°	3080.6	2626.5	1445.7	534.4	416.2	398.9	389.4	384.7	379.9	375.2	375.2
30°	3192.5	2658.1	1258.1	441.4	392.6	378.4	368.9	365.8	361.0	356.3	354.7
32.5°	3359.6	2713.2	1064.2	395.7	370.5	356.3	345.3	342.1	337.4	332.7	331.1
35°	3592.9	2814.1	875.0	367.3	342.1	327.9	321.6	320.0	313.7	309.0	309.0
37.5°	3935.1	2978.1	693.7	339.0	318.5	307.4	299.5	296.4	290.1	285.4	283.8
40°	4352.8	3190.9	539.2	316.9	296.4	285.4	277.5	272.7	264.9	258.6	255.4
42.5°	4885.7	3451.1	425.7	293.2	275.9	264.9	258.6	249.1	238.1	228.6	227.0
45°	5440.6	3719.1	351.6	271.2	257.0	247.5	239.6	227.0	211.3	200.2	197.1
47.5°	5866.3	3886.2	307.4	247.5	236.5	228.6	219.1	203.4	184.5	171.8	168.7
50°	6170.6	3911.4	274.3	225.4	219.1	211.3	197.1	178.1	157.7	145.0	141.9
52.5°	6320.4	3797.9	247.5	205.0	200.2	192.3	175.0	154.5	132.4	119.8	116.7
55°	6388.2	3583.5	222.3	187.6	181.3	171.8	152.9	130.9	108.8	97.7	94.6
57.5°	6361.3	3266.6	200.2	170.3	162.4	151.3	130.9	107.2	89.9	78.8	77.3
60°	6162.7	2822.0	178.1	152.9	143.5	130.9	110.4	88.3	72.5	64.6	63.1
62.5°	5733.9	2270.2	156.1	132.4	126.1	113.5	94.6	72.5	59.9	55.2	53.6
65°	4855.8	1604.9	134.0	111.9	108.8	96.2	78.8	59.9	52.0	48.9	47.3
67.5°	3490.5	975.9	113.5	96.2	93.0	82.0	66.2	52.0	47.3	45.7	45.7
70°	1754.7	461.9	89.9	78.8	78.8	67.8	56.8	47.3	45.7	44.1	44.1
72.5°	595.9	197.1	67.8	61.5	64.6	58.3	48.9	44.1	44.1	44.1	44.1
75°	203.4	104.1	47.3	44.1	47.3	47.3	42.6	42.6	44.1	44.1	44.1
77.5°	132.4	69.4	33.1	30.0	36.3	36.3	36.3	39.4	42.6	42.6	42.6
80°	108.8	37.8	22.1	20.5	26.8	26.8	30.0	36.3	39.4	39.4	39.4
82.5°	93.0	23.6	12.6	14.2	18.9	20.5	25.2	30.0	34.7	36.3	36.3
85°	63.1	12.6	9.5	11.0	12.6	15.8	20.5	25.2	28.4	31.5	31.5
87.5°	17.3	4.7	6.3	7.9	7.9	11.0	15.8	18.9	22.1	23.6	23.6
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)