

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: P636715

Luminaire Tested: GWS-SA4B-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-735-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11562.4 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

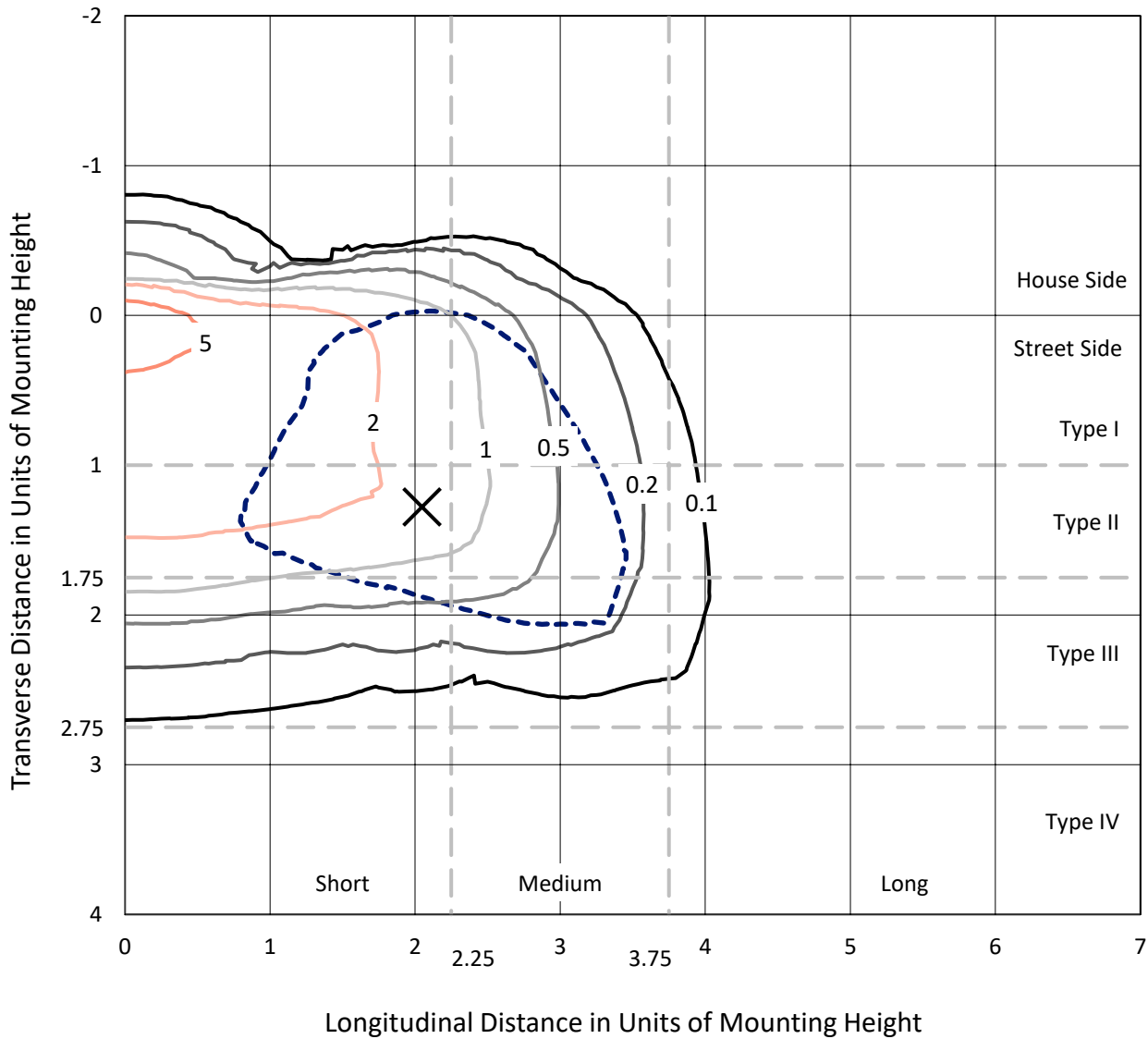
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

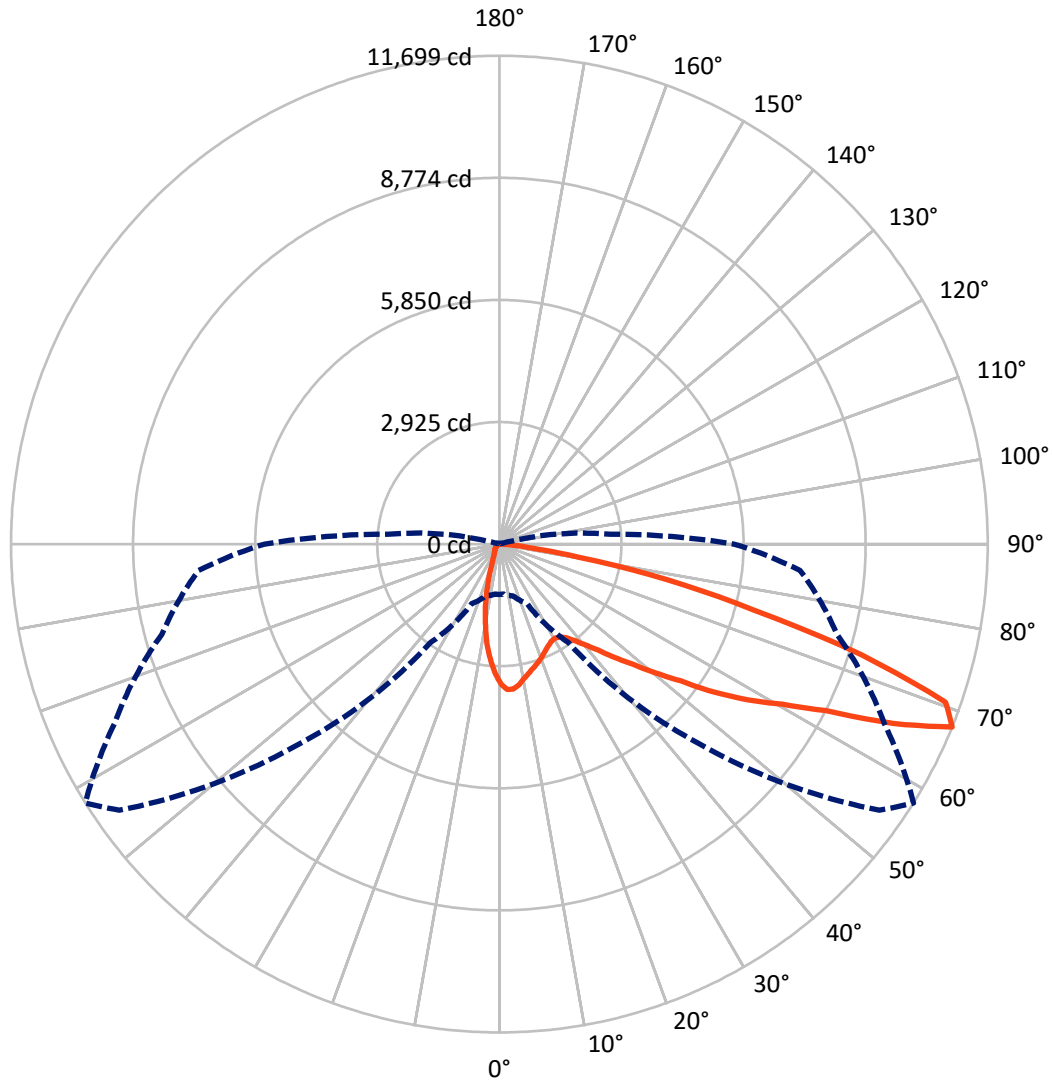
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - N/A

REPORT NUMBER: P636715
CATALOG NUMBER: GWS-SA4B-735-U-SL3-W-HSS

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	1129.6	0.0	1129.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	10432.8	0.0	10432.8
	% Fixture	90.2	0.0	90.2
Total	Lumens	11562.4	0.0	11562.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.0	2.3
10°-20°	564.1	4.9
20°-30°	760.8	6.6
30°-40°	1069.1	9.2
40°-50°	1651.1	14.3
50°-60°	2640.3	22.8
60°-70°	3126.3	27.0
70°-80°	1383.0	12.0
80°-90°	96.7	0.8
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°	11562.4	100.0
0°-180°	11562.4	100.0

Coefficient of Utilization

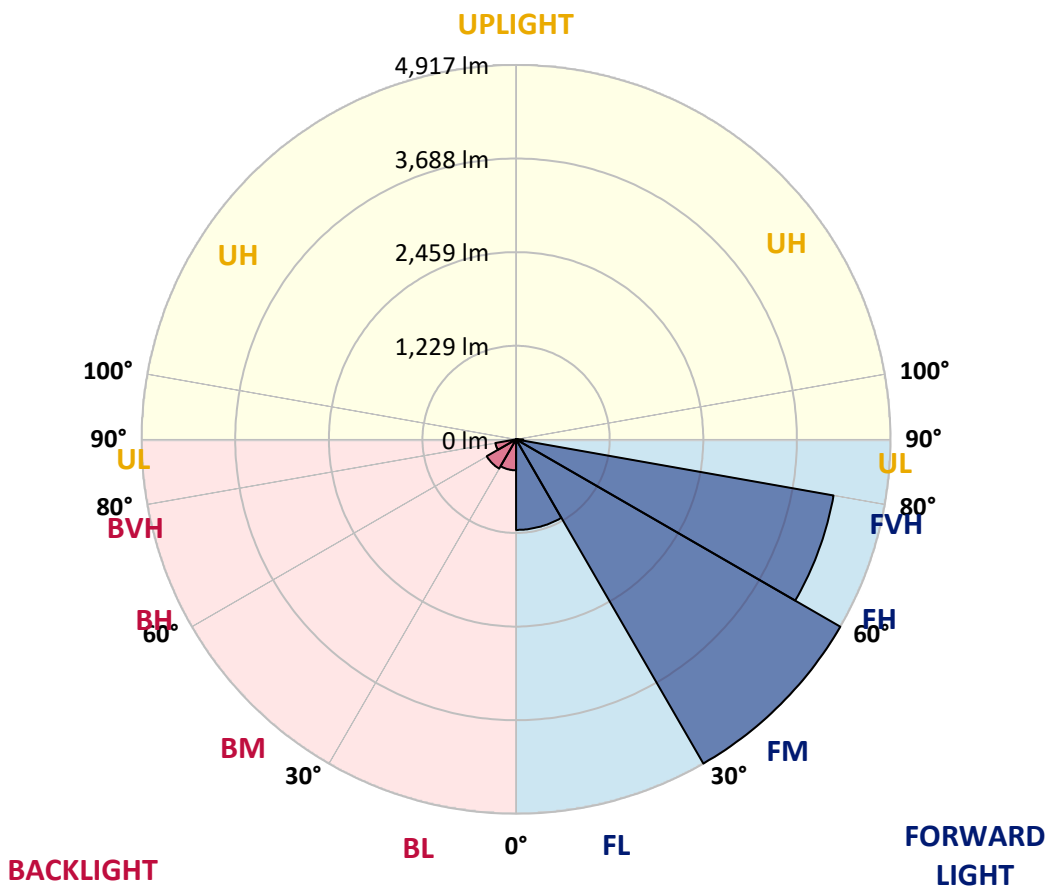


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1189.5	10.3			
FM (30°-60°)	4917.2	42.5			
FH (60°-80°)	4233.5	36.6			G2/5000
FVH (80°-90°)	92.6	0.8			G1/100
BL (0°-30°)	406.5	3.5	B1/500		
BM (30°-60°)	443.2	3.8	B1/1000		
BH (60°-80°)	275.8	2.4	B1/500		G1/500
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





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CATALOG NUMBER: GWS-SA4B-735-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1
2.5°	3508.1	3514.2	3522.4	3532.6	3530.6	3521.4	3510.1	3484.5	3468.2	3417.0	3354.6
5°	3395.5	3394.5	3415.0	3434.4	3469.2	3487.6	3513.2	3489.7	3481.5	3420.1	3318.8
7.5°	3175.5	3186.8	3210.3	3241.0	3291.1	3345.4	3406.8	3399.6	3424.2	3383.2	3257.4
10°	2959.6	2953.4	2990.3	3036.3	3113.1	3182.7	3271.7	3270.7	3335.1	3331.0	3187.8
12.5°	2770.2	2769.2	2797.9	2850.1	2940.1	3037.3	3158.1	3161.2	3241.0	3273.7	3128.4
15°	2610.6	2612.6	2640.3	2694.5	2787.6	2906.3	3046.6	3072.1	3162.2	3228.7	3070.1
17.5°	2497.0	2498.0	2514.4	2561.5	2652.6	2779.5	2948.3	2983.1	3098.7	3194.9	3023.0
20°	2444.8	2440.7	2443.8	2467.3	2537.9	2653.6	2848.0	2893.0	3040.4	3171.4	2980.0
22.5°	2452.0	2445.8	2431.5	2428.4	2460.2	2548.2	2741.6	2796.9	2977.0	3157.1	2941.1
25°	2515.4	2502.1	2481.7	2451.0	2438.7	2482.7	2648.5	2705.8	2917.6	3158.1	2911.5
27.5°	2612.6	2598.3	2572.7	2531.8	2483.7	2465.3	2585.0	2639.3	2875.6	3181.6	2897.1
30°	2736.5	2725.2	2700.7	2651.5	2587.1	2511.3	2571.7	2616.7	2855.2	3229.7	2903.3
32.5°	2882.8	2874.6	2854.2	2809.1	2735.4	2619.8	2616.7	2651.5	2871.6	3299.3	2926.8
35°	3024.0	3027.1	3028.1	3003.6	2924.8	2784.6	2740.6	2752.8	2939.1	3403.7	2980.0
37.5°	3176.5	3169.4	3206.2	3223.6	3147.9	2998.5	2931.9	2933.0	3068.0	3558.2	3080.3
40°	3292.2	3294.2	3374.0	3445.7	3413.9	3269.6	3174.5	3173.4	3266.6	3770.1	3242.0
42.5°	3400.6	3413.9	3531.6	3654.4	3698.4	3570.5	3501.9	3476.4	3544.9	4056.6	3484.5
45°	3516.3	3535.7	3700.5	3875.5	3991.1	3915.4	3861.1	3871.4	3879.6	4390.2	3811.0
47.5°	3651.4	3663.6	3867.3	4113.9	4329.8	4310.4	4313.5	4301.2	4297.1	4810.8	4242.9
50°	3815.1	3843.8	4078.1	4372.8	4667.6	4796.5	4839.5	4844.6	4778.1	5269.3	4690.1
52.5°	4163.0	4197.8	4398.4	4656.3	5036.0	5307.2	5482.2	5447.4	5345.0	5713.4	5180.3
55°	4573.4	4600.0	4793.4	5060.5	5486.2	5866.9	6282.4	6268.1	6017.4	6181.1	5583.5
57.5°	4612.3	4642.0	4941.8	5351.2	6064.4	6558.7	6995.7	7041.8	6674.4	6512.7	5943.7
60°	4175.3	4235.7	4645.0	5195.6	6285.5	7489.0	7777.6	7786.8	7156.4	6849.4	6383.7
62.5°	3346.4	3375.0	3787.5	4505.9	5944.7	8031.3	8971.8	8777.4	7775.5	7370.3	7080.6
65°	1754.0	1870.7	2229.9	3025.1	4821.1	7842.0	10408.6	10355.4	8888.9	8116.3	7623.0
67.5°	1203.5	1202.5	1287.4	1577.0	2874.6	6752.1	11113.7	11699.1	10176.3	8372.1	7230.1
70°	915.9	919.0	994.7	1183.0	1489.0	4494.6	10340.1	11340.9	10415.8	7601.5	5847.5
72.5°	607.9	614.0	739.9	955.8	1189.1	2203.3	8035.4	9074.2	8764.1	6105.4	4116.0
75°	363.3	368.4	458.5	694.9	1057.1	1233.2	5105.6	6273.2	6032.7	4208.1	2206.4
77.5°	149.4	153.5	235.4	432.9	773.7	957.9	2823.5	4104.7	3613.5	1673.2	602.8
80°	62.4	64.5	113.6	302.9	557.7	600.7	1307.9	1929.0	1480.8	360.2	184.2
82.5°	22.5	23.5	42.0	166.8	346.9	452.3	660.1	762.4	417.5	117.7	99.3
85°	1.0	1.0	10.2	56.3	132.0	127.9	377.6	365.3	138.2	49.1	59.4
87.5°	0.0	0.0	1.0	1.0	2.0	5.1	35.8	63.4	29.7	12.3	25.6
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°	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1	3335.1
2.5°	3313.6	3259.4	3200.1	3144.8	3056.8	3004.6	2940.1	2911.5	2870.5	2860.3	2866.4
5°	3246.1	3153.0	3010.7	2881.8	2715.0	2580.9	2445.8	2388.5	2314.8	2265.7	2245.3
7.5°	3150.9	3029.2	2807.1	2572.7	2343.5	2098.9	1912.7	1789.9	1678.3	1616.9	1604.6
10°	3054.7	2896.1	2577.9	2242.2	1887.1	1594.4	1342.7	1156.4	1004.9	936.4	883.2
12.5°	2955.5	2758.0	2344.5	1906.5	1494.1	1095.0	783.9	602.8	494.3	451.3	458.5
15°	2864.4	2624.9	2113.2	1570.9	1052.0	661.1	432.9	365.3	339.8	331.6	330.5
17.5°	2777.4	2499.1	1883.0	1244.4	693.8	405.3	331.6	315.2	308.0	303.9	303.9
20°	2698.6	2378.3	1657.8	937.4	448.2	321.3	299.8	291.7	285.5	282.4	282.4
22.5°	2624.9	2261.6	1437.8	663.1	330.5	288.6	275.3	267.1	259.9	255.8	255.8
25°	2558.4	2156.2	1228.0	456.4	284.5	264.0	249.7	240.5	228.2	221.0	221.0
27.5°	2510.3	2062.1	1026.4	332.6	256.9	237.4	221.0	208.8	195.5	187.3	185.2
30°	2481.7	1982.3	822.8	273.2	231.3	211.8	193.4	178.1	162.7	154.5	153.5
32.5°	2465.3	1908.6	636.5	238.4	209.8	187.3	166.8	150.4	135.1	125.9	124.9
35°	2471.4	1851.3	476.9	214.9	189.3	165.8	143.3	126.9	113.6	105.4	103.4
37.5°	2524.6	1825.7	358.2	196.5	171.9	147.4	123.8	108.5	96.2	90.1	89.0
40°	2628.0	1830.8	281.4	182.2	157.6	128.9	106.4	92.1	82.9	77.8	76.8
42.5°	2788.7	1873.8	232.3	169.9	142.2	112.6	92.1	80.8	71.6	66.5	65.5
45°	3028.1	1962.8	202.6	155.6	125.9	97.2	79.8	69.6	61.4	55.3	54.2
47.5°	3375.0	2117.3	183.2	142.2	111.5	83.9	68.6	58.3	51.2	46.1	45.0
50°	3744.5	2302.6	166.8	128.9	99.3	72.7	58.3	48.1	42.0	36.8	35.8
52.5°	4138.5	2502.1	154.5	116.7	88.0	62.4	49.1	39.9	33.8	28.7	27.6
55°	4517.1	2702.7	140.2	108.5	74.7	53.2	40.9	32.7	26.6	22.5	22.5
57.5°	4885.5	2886.9	124.9	95.2	61.4	45.0	33.8	26.6	21.5	18.4	17.4
60°	5325.6	3141.7	107.5	80.8	51.2	37.9	27.6	21.5	17.4	14.3	14.3
62.5°	5979.5	3406.8	92.1	67.5	43.0	31.7	22.5	17.4	14.3	12.3	11.3
65°	6193.4	3263.5	77.8	55.3	34.8	25.6	18.4	15.4	12.3	11.3	10.2
67.5°	5622.4	2675.1	64.5	45.0	28.7	21.5	16.4	13.3	11.3	10.2	9.2
70°	4387.2	1898.3	50.1	33.8	23.5	17.4	14.3	12.3	10.2	9.2	9.2
72.5°	2984.1	1122.6	39.9	25.6	19.4	15.4	12.3	11.3	10.2	9.2	8.2
75°	1469.5	399.1	30.7	19.4	15.4	13.3	11.3	10.2	9.2	8.2	8.2
77.5°	396.0	110.5	23.5	15.4	12.3	10.2	10.2	10.2	9.2	7.2	7.2
80°	134.1	46.1	17.4	11.3	10.2	8.2	7.2	9.2	8.2	7.2	6.1
82.5°	73.7	22.5	12.3	9.2	7.2	6.1	6.1	6.1	6.1	5.1	5.1
85°	47.1	12.3	8.2	7.2	7.2	5.1	4.1	4.1	3.1	3.1	3.1
87.5°	21.5	7.2	7.2	6.1	6.1	5.1	3.1	2.0	1.0	1.0	1.0
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)