

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: P634845

Luminaire Tested: GWS-SA3C-750-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634845
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-SA3C-750-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11556.9 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

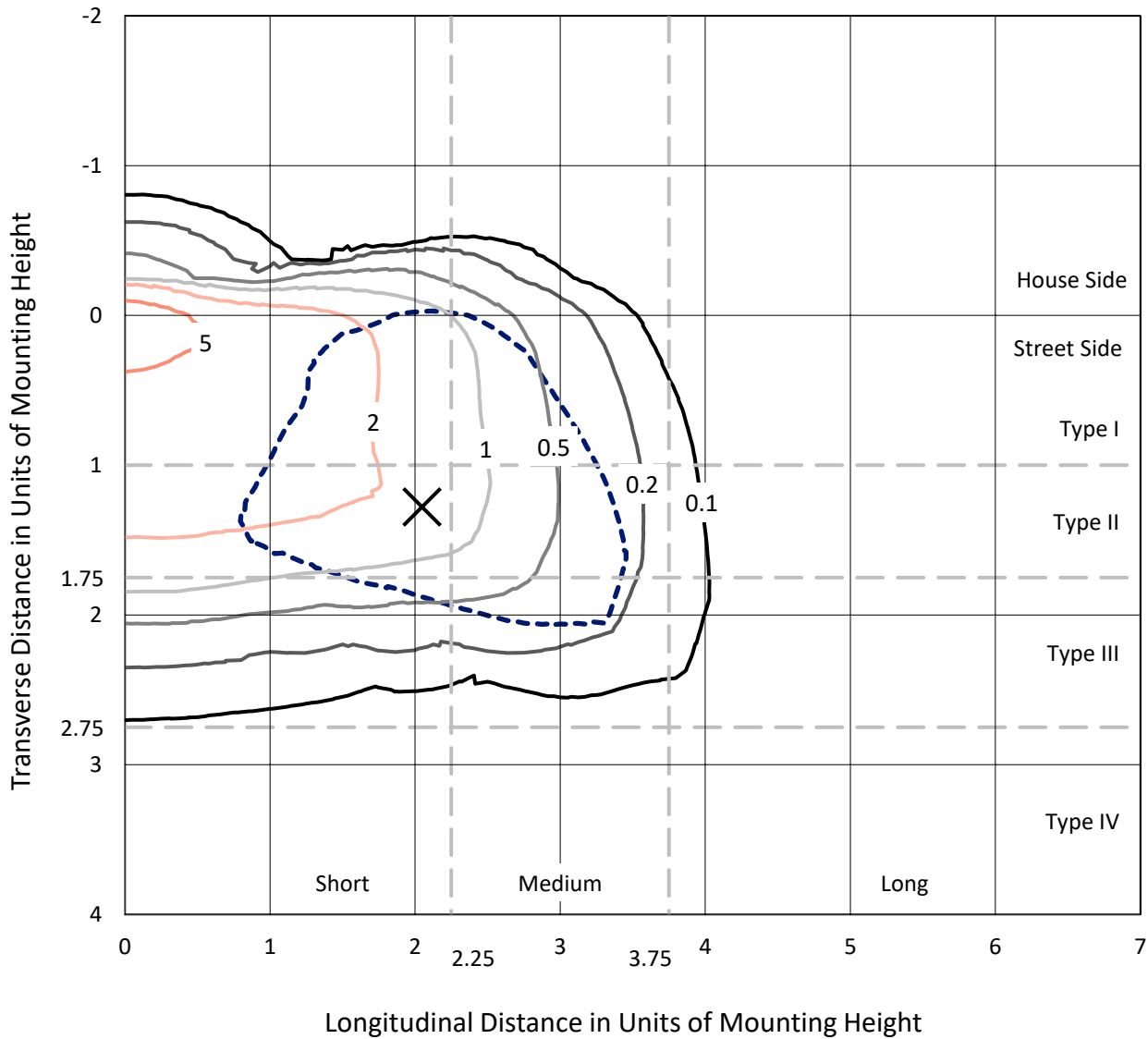
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634845
 CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

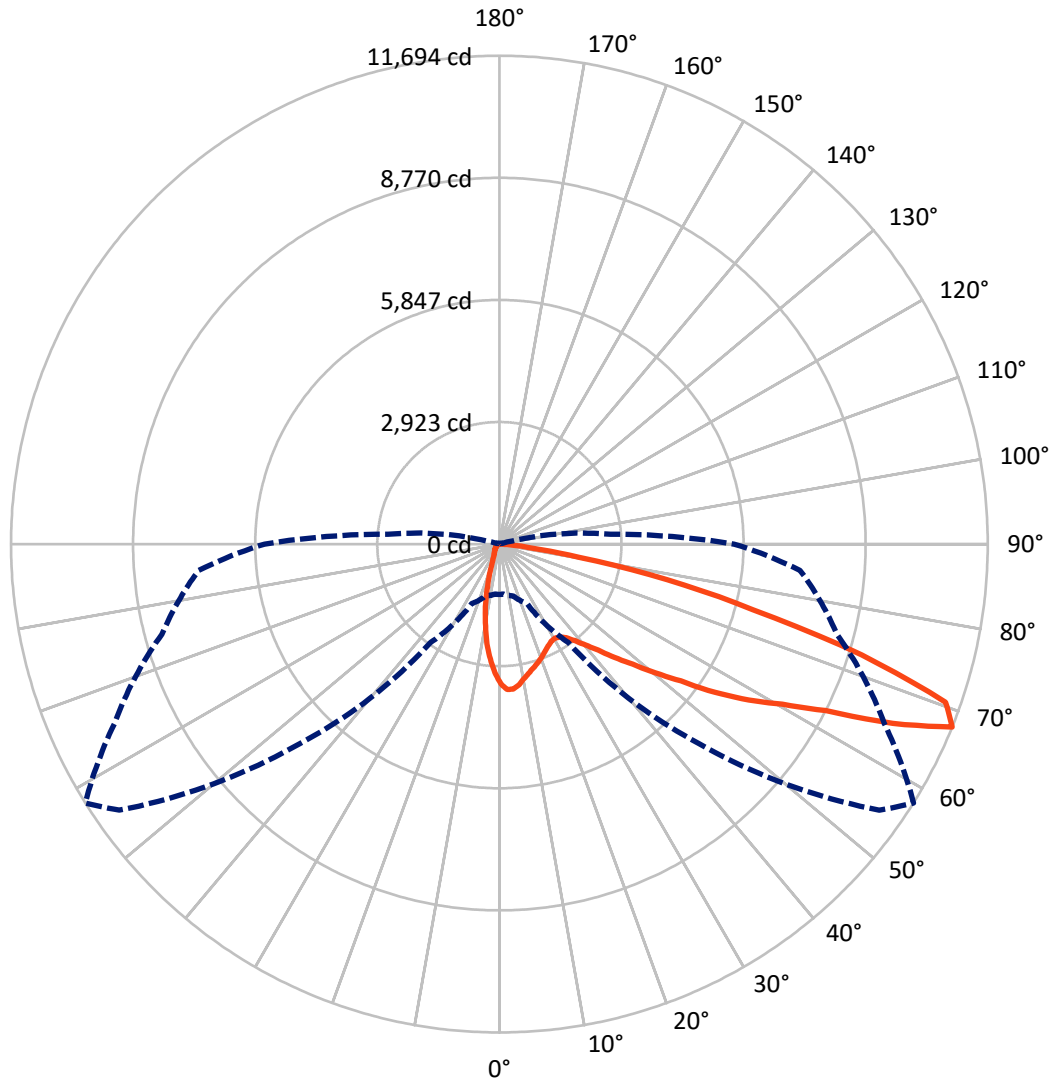
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P634845
CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634845
 CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1129.0	0.0	1129.0
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	10427.9	0.0	10427.9
	% Fixture	90.2	0.0	90.2
Total	Lumens	11556.9	0.0	11556.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.9	2.3
10°-20°	563.9	4.9
20°-30°	760.4	6.6
30°-40°	1068.6	9.2
40°-50°	1650.3	14.3
50°-60°	2639.0	22.8
60°-70°	3124.8	27.0
70°-80°	1382.3	12.0
80°-90°	96.6	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°	11556.9	100.0
0°-180°	11556.9	100.0

Coefficient of Utilization



REPORT NUMBER: P634845

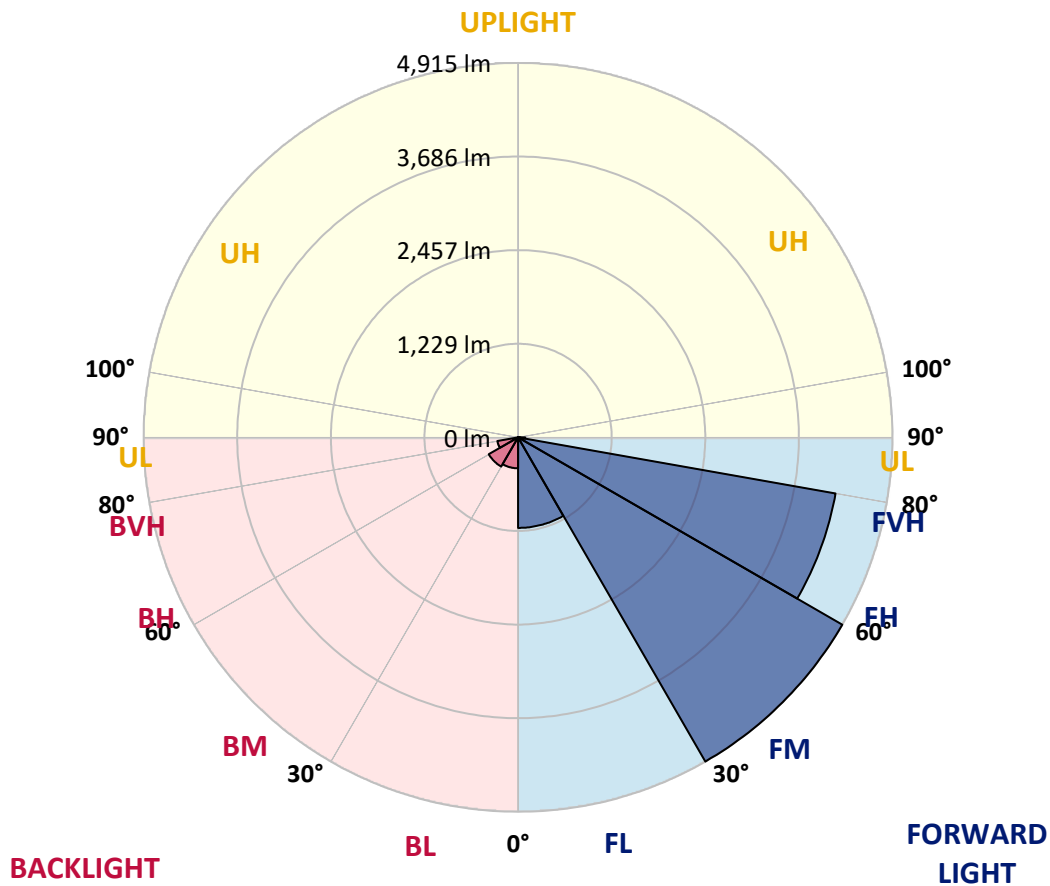
CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1188.9	10.3			
FM (30°-60°)	4914.9	42.5			
FH (60°-80°)	4231.5	36.6			G2/5000
FVH (80°-90°)	92.5	0.8			G1/100
BL (0°-30°)	406.3	3.5	B1/500		
BM (30°-60°)	443.0	3.8	B1/1000		
BH (60°-80°)	275.6	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





REPORT NUMBER: P634845

CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6
2.5°	3506.4	3512.6	3520.7	3531.0	3528.9	3519.7	3508.5	3482.9	3466.5	3415.4	3353.0
5°	3393.9	3392.9	3413.3	3432.8	3467.5	3486.0	3511.5	3488.0	3479.8	3418.5	3317.2
7.5°	3174.0	3185.2	3208.8	3239.4	3289.6	3343.8	3405.2	3398.0	3422.5	3381.6	3255.8
10°	2958.2	2952.0	2988.8	3034.9	3111.6	3181.1	3270.1	3269.1	3333.6	3329.5	3186.3
12.5°	2768.9	2767.9	2796.5	2848.7	2938.7	3035.9	3156.6	3159.7	3239.4	3272.2	3126.9
15°	2609.4	2611.4	2639.0	2693.2	2786.3	2905.0	3045.1	3070.7	3160.7	3227.2	3068.6
17.5°	2495.8	2496.8	2513.2	2560.3	2651.3	2778.1	2946.9	2981.7	3097.3	3193.4	3021.6
20°	2443.7	2439.6	2442.6	2466.2	2536.7	2652.3	2846.7	2891.7	3039.0	3169.9	2978.6
22.5°	2450.8	2444.7	2430.4	2427.3	2459.0	2547.0	2740.3	2795.5	2975.5	3155.6	2939.7
25°	2514.2	2500.9	2480.5	2449.8	2437.5	2481.5	2647.2	2704.5	2916.2	3156.6	2910.1
27.5°	2611.4	2597.1	2571.5	2530.6	2482.5	2464.1	2583.8	2638.0	2874.3	3180.1	2895.8
30°	2735.2	2723.9	2699.4	2650.3	2585.8	2510.1	2570.5	2615.5	2853.8	3228.2	2901.9
32.5°	2881.4	2873.3	2852.8	2807.8	2734.1	2618.6	2615.5	2650.3	2870.2	3297.8	2925.4
35°	3022.6	3025.7	3026.7	3002.1	2923.4	2783.2	2739.3	2751.5	2937.7	3402.1	2978.6
37.5°	3175.0	3167.8	3204.7	3222.1	3146.4	2997.0	2930.5	2931.6	3066.6	3556.5	3078.9
40°	3290.6	3292.6	3372.4	3444.0	3412.3	3268.1	3173.0	3171.9	3265.0	3768.3	3240.5
42.5°	3399.0	3412.3	3529.9	3652.7	3696.7	3568.8	3500.3	3474.7	3543.2	4054.7	3482.9
45°	3514.6	3534.0	3698.7	3873.6	3989.2	3913.5	3859.3	3869.5	3877.7	4388.1	3809.2
47.5°	3649.6	3661.9	3865.4	4112.0	4327.8	4308.4	4311.4	4299.1	4295.1	4808.5	4240.8
50°	3813.3	3841.9	4076.2	4370.7	4665.3	4794.2	4837.2	4842.3	4775.8	5266.8	4687.8
52.5°	4161.1	4195.8	4396.3	4654.1	5033.6	5304.6	5479.5	5444.8	5342.5	5710.7	5177.8
55°	4571.2	4597.8	4791.2	5058.1	5483.6	5864.1	6279.4	6265.1	6014.5	6178.2	5580.8
57.5°	4610.1	4639.8	4939.5	5348.6	6061.6	6555.6	6992.4	7038.4	6671.2	6509.6	5940.9
60°	4173.3	4233.7	4642.8	5193.1	6282.5	7485.4	7773.9	7783.1	7153.0	6846.1	6380.7
62.5°	3344.8	3373.4	3785.7	4503.7	5941.9	8027.5	8967.6	8773.2	7771.8	7366.8	7077.3
65°	1753.2	1869.8	2228.8	3023.6	4818.8	7838.3	10403.7	10350.5	8884.7	8112.4	7619.4
67.5°	1202.9	1201.9	1286.8	1576.3	2873.3	6748.9	11108.4	11693.5	10171.5	8368.1	7226.6
70°	915.5	918.5	994.2	1182.4	1488.3	4492.5	10335.1	11335.5	10410.8	7597.9	5844.7
72.5°	607.6	613.7	739.5	955.4	1188.6	2202.3	8031.6	9069.8	8759.9	6102.5	4114.0
75°	363.1	368.2	458.2	694.5	1056.6	1232.6	5103.1	6270.2	6029.9	4206.1	2205.3
77.5°	149.3	153.4	235.3	432.7	773.3	957.4	2822.1	4102.8	3611.8	1672.4	602.5
80°	62.4	64.4	113.5	302.8	557.5	600.4	1307.2	1928.1	1480.1	360.1	184.1
82.5°	22.5	23.5	41.9	166.7	346.8	452.1	659.8	762.0	417.3	117.6	99.2
85°	1.0	1.0	10.2	56.3	132.0	127.9	377.4	365.2	138.1	49.1	59.3
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



REPORT NUMBER: P634845
 CATALOG NUMBER: GWS-SA3C-750-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6	3333.6
2.5°	3312.1	3257.9	3198.5	3143.3	3055.3	3003.2	2938.7	2910.1	2869.2	2858.9	2865.1
5°	3244.6	3151.5	3009.3	2880.4	2713.7	2579.7	2444.7	2387.4	2313.7	2264.6	2244.2
7.5°	3149.4	3027.7	2805.7	2571.5	2342.4	2097.9	1911.8	1789.0	1677.5	1616.1	1603.9
10°	3053.3	2894.7	2576.6	2241.1	1886.2	1593.6	1342.0	1155.8	1004.5	935.9	882.7
12.5°	2954.1	2756.7	2343.4	1905.6	1493.4	1094.5	783.5	602.5	494.0	451.1	458.2
15°	2863.0	2623.7	2112.2	1570.1	1051.5	660.8	432.7	365.2	339.6	331.4	330.4
17.5°	2776.1	2497.9	1882.1	1243.8	693.5	405.1	331.4	315.0	307.9	303.8	303.8
20°	2697.3	2377.2	1657.1	937.0	448.0	321.2	299.7	291.5	285.4	282.3	282.3
22.5°	2623.7	2260.6	1437.1	662.8	330.4	288.5	275.2	267.0	259.8	255.7	255.7
25°	2557.2	2155.2	1227.5	456.2	284.4	263.9	249.6	240.4	228.1	220.9	220.9
27.5°	2509.1	2061.1	1025.9	332.4	256.7	237.3	220.9	208.7	195.4	187.2	185.1
30°	2480.5	1981.3	822.4	273.1	231.2	211.7	193.3	178.0	162.6	154.5	153.4
32.5°	2464.1	1907.7	636.2	238.3	209.7	187.2	166.7	150.4	135.0	125.8	124.8
35°	2470.2	1850.4	476.7	214.8	189.2	165.7	143.2	126.8	113.5	105.4	103.3
37.5°	2523.4	1824.8	358.0	196.4	171.8	147.3	123.8	108.4	96.2	90.0	89.0
40°	2626.7	1829.9	281.3	182.1	157.5	128.9	106.4	92.1	82.9	77.7	76.7
42.5°	2787.3	1872.9	232.2	169.8	142.2	112.5	92.1	80.8	71.6	66.5	65.5
45°	3026.7	1961.9	202.5	155.5	125.8	97.2	79.8	69.6	61.4	55.2	54.2
47.5°	3373.4	2116.3	183.1	142.2	111.5	83.9	68.5	58.3	51.1	46.0	45.0
50°	3742.7	2301.5	166.7	128.9	99.2	72.6	58.3	48.1	41.9	36.8	35.8
52.5°	4136.5	2500.9	154.5	116.6	88.0	62.4	49.1	39.9	33.8	28.6	27.6
55°	4515.0	2701.4	140.1	108.4	74.7	53.2	40.9	32.7	26.6	22.5	22.5
57.5°	4883.2	2885.5	124.8	95.1	61.4	45.0	33.8	26.6	21.5	18.4	17.4
60°	5323.0	3140.2	107.4	80.8	51.1	37.8	27.6	21.5	17.4	14.3	14.3
62.5°	5976.7	3405.2	92.1	67.5	43.0	31.7	22.5	17.4	14.3	12.3	11.3
65°	6190.4	3262.0	77.7	55.2	34.8	25.6	18.4	15.3	12.3	11.3	10.2
67.5°	5619.7	2673.8	64.4	45.0	28.6	21.5	16.4	13.3	11.3	10.2	9.2
70°	4385.1	1897.4	50.1	33.8	23.5	17.4	14.3	12.3	10.2	9.2	9.2
72.5°	2982.7	1122.1	39.9	25.6	19.4	15.3	12.3	11.3	10.2	9.2	8.2
75°	1468.8	398.9	30.7	19.4	15.3	13.3	11.3	10.2	9.2	8.2	8.2
77.5°	395.9	110.5	23.5	15.3	12.3	10.2	10.2	10.2	9.2	7.2	7.2
80°	134.0	46.0	17.4	11.3	10.2	8.2	7.2	9.2	8.2	7.2	6.1
82.5°	73.6	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)