

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: P639025

Luminaire Tested: GWS-SA5B-722-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639025
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-SA5B-722-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10592.8 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

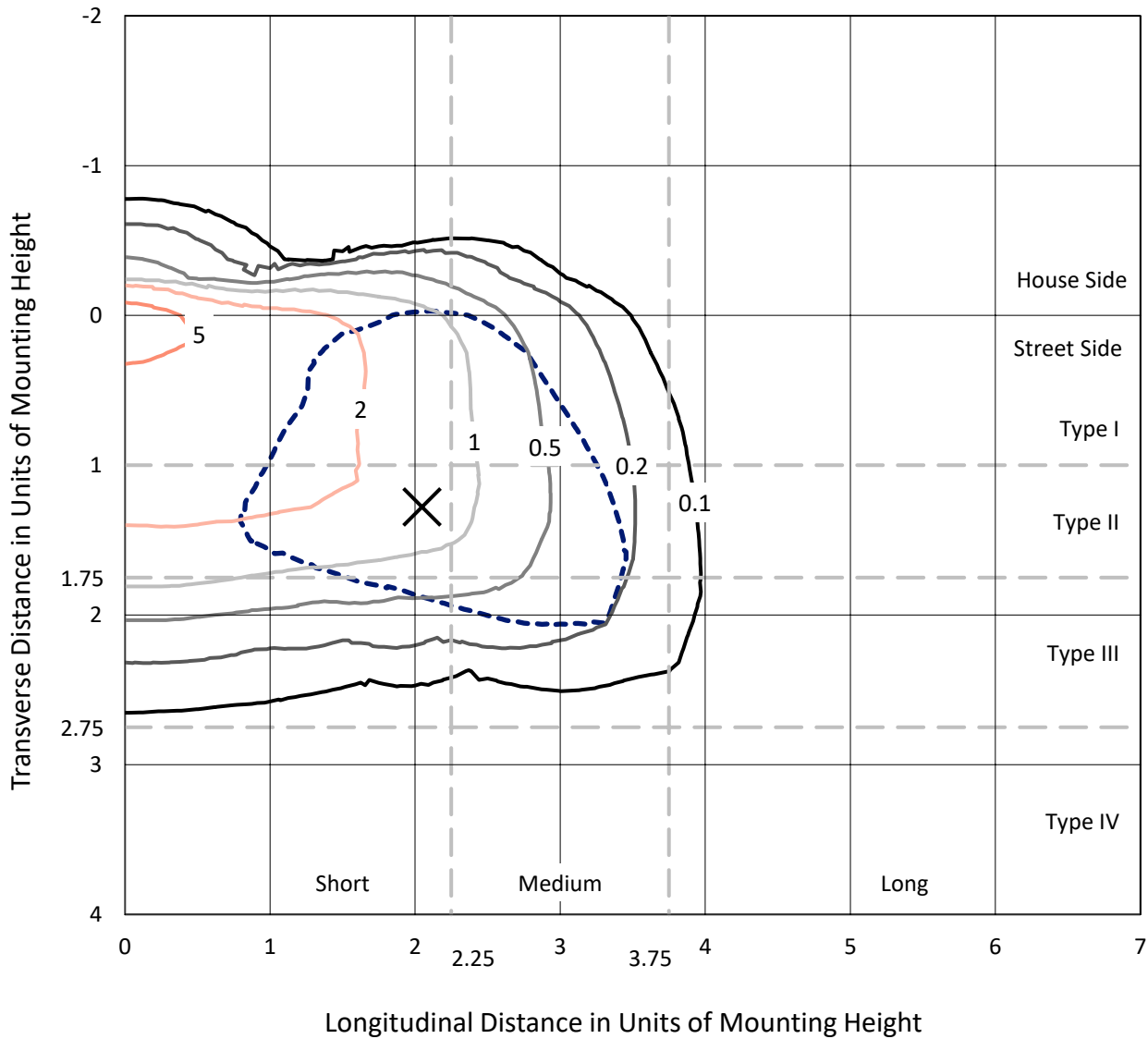
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

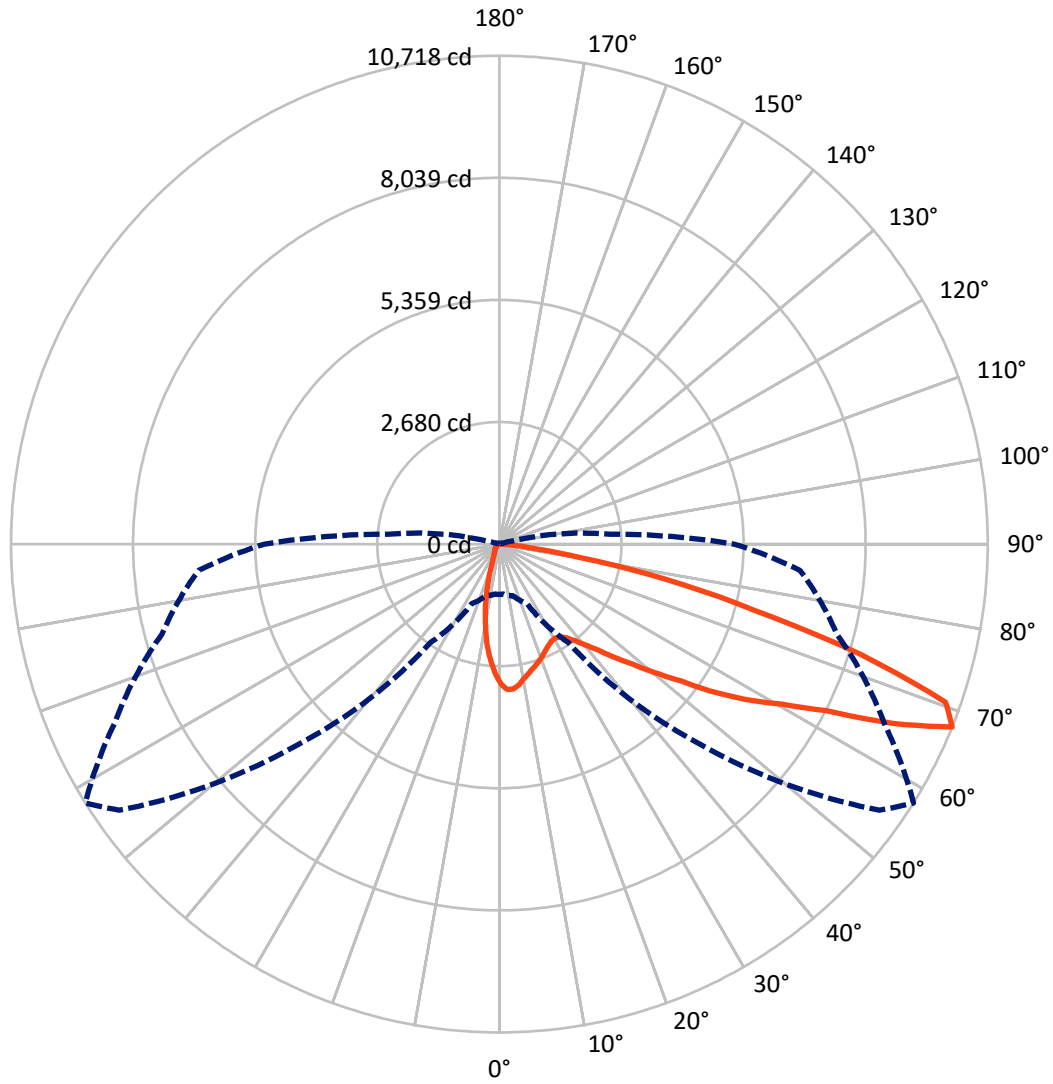
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 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	1034.9	0.0	1034.9
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	9558.0	0.0	9558.0
	% Fixture	90.2	0.0	90.2
Total	Lumens	10592.8	0.0	10592.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.3	2.3
10°-20°	516.8	4.9
20°-30°	697.0	6.6
30°-40°	979.4	9.2
40°-50°	1512.6	14.3
50°-60°	2418.9	22.8
60°-70°	2864.1	27.0
70°-80°	1267.0	12.0
80°-90°	88.6	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°	10592.8	100.0
0°-180°	10592.8	100.0

Coefficient of Utilization

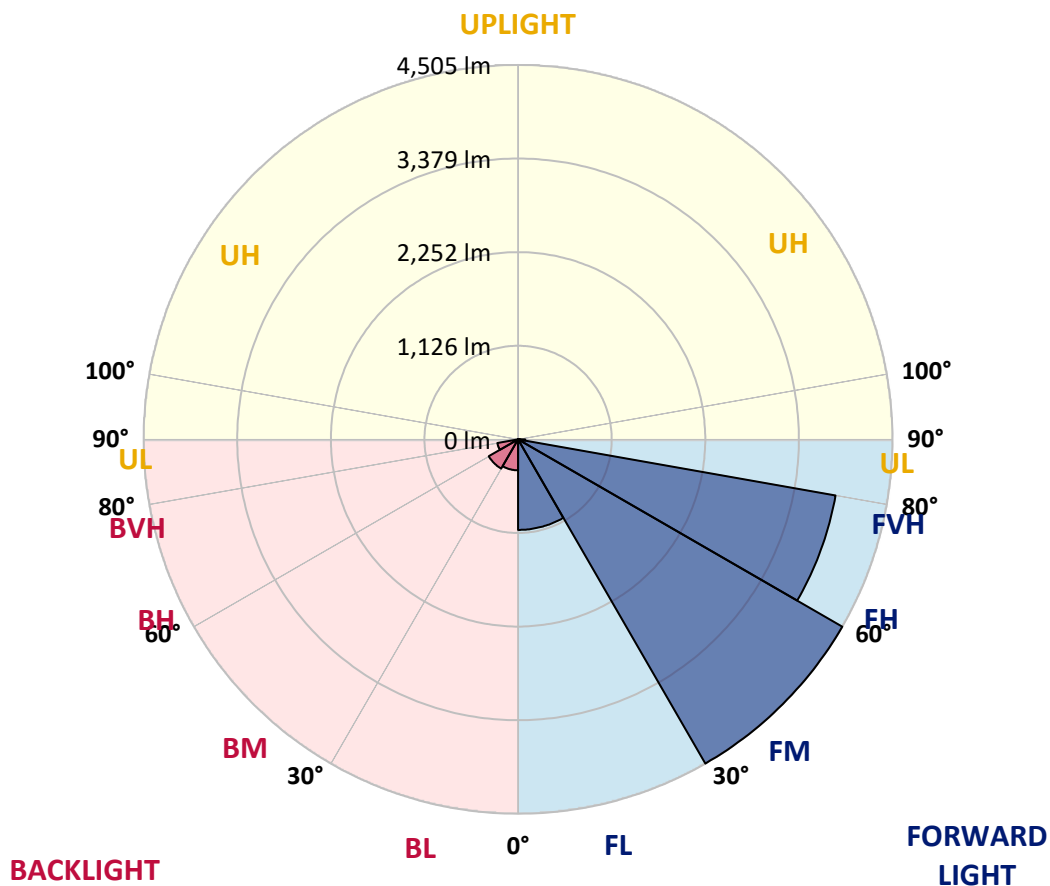


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1089.7	10.3			
FM (30°-60°)	4504.9	42.5			
FH (60°-80°)	3878.5	36.6			G2/5000
FVH (80°-90°)	84.8	0.8			G1/100
BL (0°-30°)	372.4	3.5	B1/500		
BM (30°-60°)	406.0	3.8	B1/1000		
BH (60°-80°)	252.6	2.4	B1/500		G1/500
BVH (80°-90°)	3.8	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5
2.5°	3213.9	3219.5	3227.0	3236.4	3234.5	3226.1	3215.8	3192.3	3177.3	3130.5	3073.3
5°	3110.8	3109.8	3128.6	3146.4	3178.3	3195.2	3218.6	3197.0	3189.5	3133.3	3040.5
7.5°	2909.2	2919.5	2941.1	2969.2	3015.1	3064.8	3121.1	3114.5	3137.0	3099.5	2984.2
10°	2711.4	2705.8	2739.5	2781.7	2852.0	2915.8	2997.3	2996.4	3055.5	3051.7	2920.5
12.5°	2537.9	2537.0	2563.2	2611.1	2693.6	2782.6	2893.3	2896.1	2969.2	2999.2	2866.1
15°	2391.7	2393.6	2418.9	2468.6	2553.9	2662.6	2791.1	2814.5	2897.0	2958.0	2812.6
17.5°	2287.6	2288.5	2303.5	2346.7	2430.1	2546.4	2701.1	2732.9	2838.9	2927.0	2769.5
20°	2239.8	2236.0	2238.9	2260.4	2325.1	2431.1	2609.2	2650.4	2785.4	2905.5	2730.1
22.5°	2246.4	2240.7	2227.6	2224.8	2253.9	2334.5	2511.7	2562.3	2727.3	2892.3	2694.5
25°	2304.5	2292.3	2273.5	2245.4	2234.2	2274.5	2426.4	2478.9	2672.9	2893.3	2667.3
27.5°	2393.6	2380.4	2357.0	2319.5	2275.4	2258.5	2368.2	2417.9	2634.5	2914.8	2654.2
30°	2507.0	2496.7	2474.2	2429.2	2370.1	2300.7	2356.1	2397.3	2615.8	2958.9	2659.8
32.5°	2641.1	2633.6	2614.8	2573.6	2506.1	2400.1	2397.3	2429.2	2630.8	3022.6	2681.4
35°	2770.4	2773.3	2774.2	2751.7	2679.5	2551.1	2510.7	2522.0	2692.6	3118.3	2730.1
37.5°	2910.1	2903.6	2937.3	2953.3	2883.9	2747.0	2686.1	2687.0	2810.8	3259.8	2822.0
40°	3016.1	3018.0	3091.1	3156.7	3127.7	2995.5	2908.3	2907.3	2992.6	3453.9	2970.1
42.5°	3115.5	3127.7	3235.5	3348.0	3388.3	3271.1	3208.3	3184.8	3247.7	3716.4	3192.3
45°	3221.4	3239.2	3390.2	3550.5	3656.4	3587.0	3537.4	3546.7	3554.2	4022.1	3491.4
47.5°	3345.2	3356.4	3543.0	3768.9	3966.8	3948.9	3951.8	3940.5	3936.8	4407.4	3887.1
50°	3495.2	3521.4	3736.1	4006.1	4276.1	4394.3	4433.7	4438.3	4377.4	4827.4	4296.8
52.5°	3813.9	3845.8	4029.6	4265.8	4613.7	4862.1	5022.4	4990.6	4896.8	5234.3	4745.9
55°	4189.9	4214.3	4391.5	4636.2	5026.2	5374.9	5755.6	5742.5	5512.8	5662.8	5115.2
57.5°	4225.5	4252.7	4527.4	4902.4	5555.9	6008.7	6409.1	6451.3	6114.7	5966.5	5445.3
60°	3825.2	3880.5	4255.5	4759.9	5758.4	6861.0	7125.3	7133.8	6556.3	6275.0	5848.4
62.5°	3065.8	3092.0	3469.9	4128.0	5446.2	7357.9	8219.5	8041.3	7123.5	6752.2	6486.9
65°	1607.0	1713.8	2042.9	2771.4	4416.8	7184.4	9535.8	9487.0	8143.5	7435.7	6983.8
67.5°	1102.6	1101.6	1179.4	1444.8	2633.6	6185.9	10181.7	10718.0	9323.0	7670.1	6623.8
70°	839.1	841.9	911.3	1083.8	1364.1	4117.7	9473.0	10389.9	9542.3	6964.1	5357.1
72.5°	556.9	562.5	677.8	875.7	1089.4	2018.5	7361.6	8313.2	8029.1	5593.4	3770.8
75°	332.8	337.5	420.0	636.6	968.5	1129.7	4677.4	5747.2	5526.8	3855.2	2021.3
77.5°	136.9	140.6	215.6	396.6	708.8	877.5	2586.7	3760.5	3310.5	1532.9	552.2
80°	57.2	59.1	104.1	277.5	511.0	550.3	1198.2	1767.3	1356.6	330.0	168.8
82.5°	20.6	21.6	38.4	152.8	317.8	414.4	604.7	698.5	382.5	107.8	90.9
85°	0.9	0.9	9.4	51.6	120.9	117.2	346.0	334.7	126.6	45.0	54.4
87.5°	0.0	0.0	0.9	0.9	1.9	4.7	32.8	58.1	27.2	11.3	23.4
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°	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5	3055.5
2.5°	3035.8	2986.1	2931.7	2881.1	2800.4	2752.6	2693.6	2667.3	2629.8	2620.4	2626.1
5°	2973.9	2888.6	2758.3	2640.1	2487.3	2364.5	2240.7	2188.2	2120.7	2075.7	2057.0
7.5°	2886.7	2775.1	2571.7	2357.0	2147.0	1922.9	1752.3	1639.8	1537.6	1481.3	1470.1
10°	2798.6	2653.3	2361.7	2054.2	1728.8	1460.7	1230.1	1059.4	920.7	857.9	809.1
12.5°	2707.6	2526.7	2147.9	1746.6	1368.8	1003.2	718.2	552.2	452.8	413.5	420.0
15°	2624.2	2404.8	1936.0	1439.1	963.8	605.7	396.6	334.7	311.3	303.8	302.8
17.5°	2544.5	2289.5	1725.1	1140.1	635.7	371.3	303.8	288.8	282.2	278.5	278.5
20°	2472.3	2178.9	1518.8	858.8	410.6	294.4	274.7	267.2	261.6	258.8	258.8
22.5°	2404.8	2072.0	1317.3	607.5	302.8	264.4	252.2	244.7	238.1	234.4	234.4
25°	2343.9	1975.4	1125.1	418.1	260.6	241.9	228.8	220.3	209.1	202.5	202.5
27.5°	2299.8	1889.2	940.4	304.7	235.3	217.5	202.5	191.3	179.1	171.6	169.7
30°	2273.5	1816.0	753.8	250.3	211.9	194.1	177.2	163.1	149.1	141.6	140.6
32.5°	2258.5	1748.5	583.2	218.4	192.2	171.6	152.8	137.8	123.8	115.3	114.4
35°	2264.2	1696.0	436.9	196.9	173.4	151.9	131.3	116.3	104.1	96.6	94.7
37.5°	2312.9	1672.6	328.1	180.0	157.5	135.0	113.4	99.4	88.1	82.5	81.6
40°	2407.6	1677.3	257.8	166.9	144.4	118.1	97.5	84.4	75.9	71.3	70.3
42.5°	2554.8	1716.6	212.8	155.6	130.3	103.1	84.4	74.1	65.6	60.9	60.0
45°	2774.2	1798.2	185.6	142.5	115.3	89.1	73.1	63.8	56.3	50.6	49.7
47.5°	3092.0	1939.8	167.8	130.3	102.2	76.9	62.8	53.4	46.9	42.2	41.3
50°	3430.5	2109.5	152.8	118.1	90.9	66.6	53.4	44.1	38.4	33.8	32.8
52.5°	3791.4	2292.3	141.6	106.9	80.6	57.2	45.0	36.6	30.9	26.3	25.3
55°	4138.3	2476.1	128.4	99.4	68.4	48.8	37.5	30.0	24.4	20.6	20.6
57.5°	4475.8	2644.8	114.4	87.2	56.3	41.3	30.9	24.4	19.7	16.9	15.9
60°	4879.0	2878.3	98.4	74.1	46.9	34.7	25.3	19.7	15.9	13.1	13.1
62.5°	5478.1	3121.1	84.4	61.9	39.4	29.1	20.6	15.9	13.1	11.3	10.3
65°	5674.0	2989.8	71.3	50.6	31.9	23.4	16.9	14.1	11.3	10.3	9.4
67.5°	5150.9	2450.7	59.1	41.3	26.3	19.7	15.0	12.2	10.3	9.4	8.4
70°	4019.3	1739.1	45.9	30.9	21.6	15.9	13.1	11.3	9.4	8.4	8.4
72.5°	2733.9	1028.5	36.6	23.4	17.8	14.1	11.3	10.3	9.4	8.4	7.5
75°	1346.3	365.6	28.1	17.8	14.1	12.2	10.3	9.4	8.4	7.5	7.5
77.5°	362.8	101.3	21.6	14.1	11.3	9.4	9.4	9.4	8.4	6.6	6.6
80°	122.8	42.2	15.9	10.3	9.4	7.5	6.6	8.4	7.5	6.6	5.6
82.5°	67.5	20.6	11.3	8.4	6.6	5.6	5.6	5.6	5.6	4.7	4.7
85°	43.1	11.3	7.5	6.6	6.6	4.7	3.8	3.8	2.8	2.8	2.8
87.5°	19.7	6.6	6.6	5.6	5.6	4.7	2.8	1.9	0.9	0.9	0.9
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)