

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: P633301

Luminaire Tested: GWS-SA2E-740-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-740-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11566.6 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

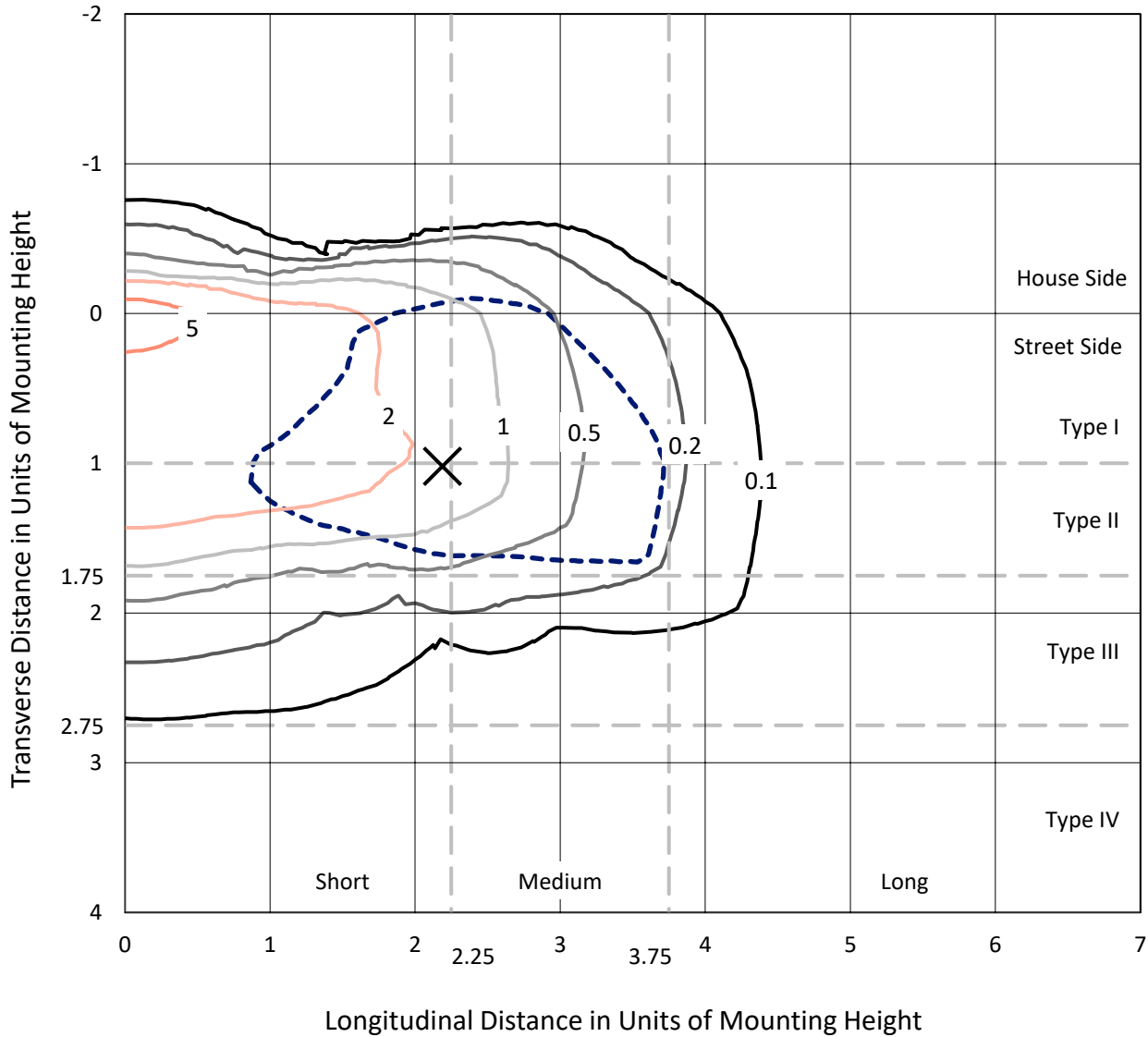
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

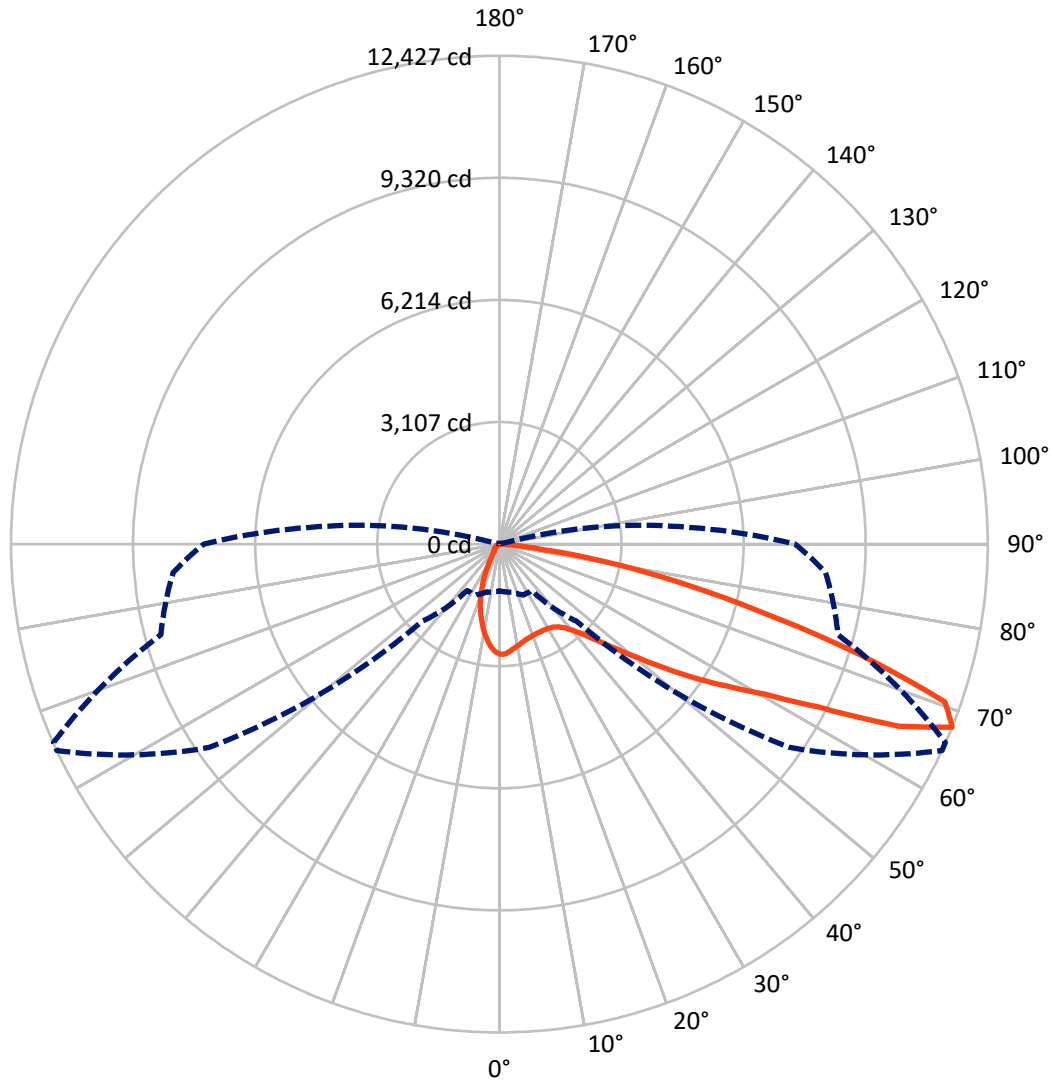
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.3	0.0	1444.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	10122.3	0.0	10122.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	11566.6	0.0	11566.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.0	2.0
10°-20°	523.8	4.5
20°-30°	748.4	6.5
30°-40°	1088.8	9.4
40°-50°	1705.3	14.7
50°-60°	2660.3	23.0
60°-70°	2922.2	25.3
70°-80°	1555.2	13.4
80°-90°	129.5	1.1
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°	11566.6	100.0
0°-180°	11566.6	100.0

Coefficient of Utilization



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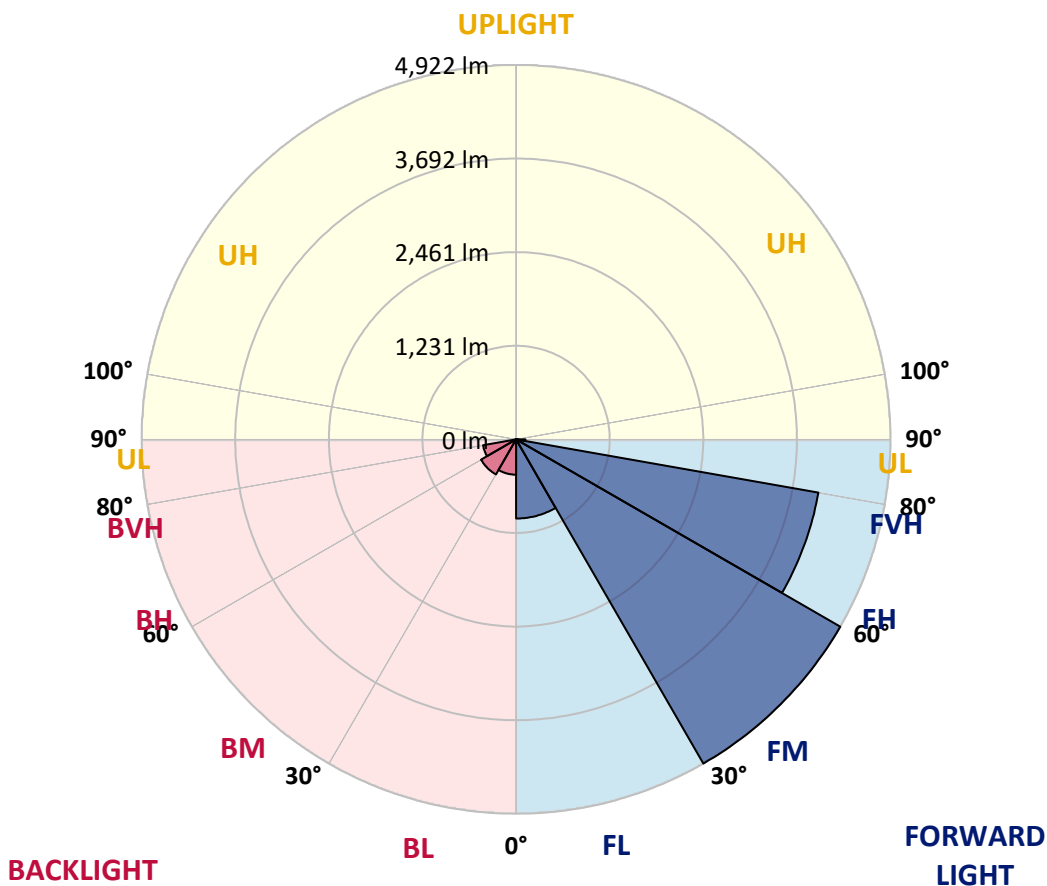
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1040.9	9.0			
FM (30°-60°)	4922.5	42.6			
FH (60°-80°)	4036.3	34.9			G2/5000
FVH (80°-90°)	122.6	1.1			G2/225
BL (0°-30°)	464.2	4.0	B1/500		
BM (30°-60°)	532.0	4.6	B1/1000		
BH (60°-80°)	441.2	3.8	B1/500		G1/500
BVH (80°-90°)	6.9	0.1			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3
2.5°	2708.0	2716.4	2704.9	2733.1	2738.3	2769.7	2787.5	2800.0	2799.0	2814.7	2814.7
5°	2549.0	2557.4	2551.1	2581.4	2605.5	2654.6	2695.4	2742.5	2744.6	2792.7	2810.5
7.5°	2414.1	2415.1	2415.1	2452.8	2484.2	2544.8	2605.5	2677.7	2686.0	2760.3	2807.4
10°	2303.2	2306.3	2307.4	2350.3	2384.8	2458.0	2535.4	2622.2	2631.6	2732.0	2805.3
12.5°	2226.8	2227.9	2232.1	2277.1	2314.7	2391.1	2469.5	2568.9	2581.4	2699.6	2795.9
15°	2190.2	2188.1	2190.2	2227.9	2265.5	2338.8	2419.3	2526.0	2539.6	2672.4	2796.9
17.5°	2188.1	2185.0	2182.9	2211.2	2235.2	2300.1	2381.7	2497.8	2512.4	2659.9	2808.4
20°	2218.5	2216.4	2205.9	2218.5	2223.7	2277.1	2357.6	2475.8	2490.4	2657.8	2833.5
22.5°	2298.0	2292.7	2277.1	2265.5	2237.3	2268.7	2340.9	2460.1	2476.8	2663.0	2865.9
25°	2416.2	2414.1	2394.2	2366.0	2293.8	2281.2	2341.9	2460.1	2475.8	2669.3	2900.4
27.5°	2594.0	2581.4	2556.3	2507.2	2403.6	2330.4	2362.8	2466.4	2482.1	2677.7	2928.7
30°	2774.9	2773.9	2765.5	2715.3	2561.6	2424.5	2406.8	2483.1	2497.8	2685.0	2954.8
32.5°	2962.2	2965.3	2986.2	2947.5	2779.1	2564.7	2486.2	2517.6	2528.1	2699.6	2977.8
35°	3140.0	3146.2	3201.7	3215.3	3043.7	2777.0	2615.9	2586.7	2587.7	2732.0	3008.2
37.5°	3310.5	3331.4	3420.3	3486.2	3373.2	3034.3	2803.2	2703.8	2695.4	2796.9	3054.2
40°	3504.0	3543.7	3655.6	3767.5	3732.0	3374.3	3058.4	2883.7	2865.9	2916.1	3136.8
42.5°	3718.4	3761.3	3909.8	4066.7	4083.4	3785.3	3377.4	3146.2	3115.9	3117.0	3291.6
45°	3948.5	4006.0	4178.6	4404.5	4506.0	4243.5	3770.7	3500.8	3470.5	3425.5	3540.6
47.5°	4250.8	4301.0	4467.3	4727.7	4922.3	4735.1	4286.3	3956.9	3901.4	3835.5	3927.6
50°	4511.2	4555.2	4698.5	5024.8	5429.6	5368.9	4871.0	4526.9	4473.6	4361.7	4438.0
52.5°	4568.8	4603.3	4735.1	5102.2	5817.6	6169.1	5587.5	5216.2	5178.5	4971.4	5000.7
55°	4310.4	4362.7	4480.9	4888.8	5919.1	6951.5	6517.4	5993.4	5914.9	5584.4	5636.7
57.5°	3657.7	3750.8	3861.7	4392.0	5644.0	7367.7	7816.5	6816.5	6745.4	6174.3	6175.3
60°	2680.8	2756.1	2830.4	3315.7	4991.3	7339.5	8995.3	7741.2	7611.5	6656.5	6638.7
62.5°	1949.7	1988.4	1987.3	2159.9	3427.6	6856.3	9614.5	9134.4	8832.1	7172.1	7070.7
65°	1533.4	1532.3	1577.3	1633.8	1914.1	5292.6	9690.8	11168.8	10842.4	7863.5	7652.2
67.5°	1193.4	1216.5	1261.4	1427.7	1438.2	2769.7	9019.3	12427.1	12420.8	8918.9	8333.2
70°	920.4	951.8	1015.6	1258.3	1328.4	1550.1	6748.5	12028.5	12130.0	9390.6	7851.0
72.5°	591.0	588.9	683.0	1016.7	1276.1	1291.8	3732.0	9554.8	9669.9	8505.7	6347.9
75°	330.5	332.6	386.0	622.3	1189.3	1215.4	1848.2	6813.4	6904.4	6631.4	4877.3
77.5°	129.7	133.9	181.0	327.4	784.5	1085.7	1098.3	4646.2	4659.8	4109.6	2991.4
80°	52.3	55.4	92.0	202.9	478.0	731.1	784.5	2737.3	2681.8	1590.9	870.2
82.5°	15.7	16.7	36.6	115.1	250.0	519.8	529.3	1050.1	991.6	342.0	221.7
85°	1.0	1.0	8.4	35.6	88.9	130.7	352.5	342.0	303.3	85.8	98.3
87.5°	0.0	0.0	1.0	1.0	2.1	4.2	37.7	62.8	63.8	15.7	43.9
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°	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3	2805.3
2.5°	2814.7	2777.0	2773.9	2744.6	2715.3	2678.7	2635.8	2604.4	2582.5	2543.8	2536.5
5°	2810.5	2760.3	2713.2	2629.5	2536.5	2436.0	2348.2	2266.6	2215.3	2180.8	2166.2
7.5°	2802.1	2738.3	2629.5	2471.6	2315.8	2140.0	2003.0	1877.5	1791.7	1741.5	1719.6
10°	2795.9	2710.1	2533.3	2293.8	2052.2	1809.5	1601.4	1415.2	1311.6	1230.0	1216.5
12.5°	2783.3	2669.3	2409.9	2085.6	1773.9	1451.8	1186.1	958.1	800.2	729.0	703.9
15°	2770.7	2626.4	2286.5	1866.0	1470.6	1073.2	751.0	531.3	422.6	389.1	387.0
17.5°	2768.7	2587.7	2152.6	1657.8	1152.6	702.9	427.8	344.1	321.1	312.7	312.7
20°	2774.9	2555.3	2020.8	1418.3	839.9	427.8	319.0	298.1	284.5	277.2	277.2
22.5°	2781.2	2521.8	1894.2	1176.7	557.5	312.7	281.4	263.6	247.9	239.5	235.3
25°	2785.4	2485.2	1754.1	934.0	364.0	271.9	246.8	223.8	205.0	194.5	194.5
27.5°	2784.3	2441.3	1612.9	696.6	282.4	241.6	211.3	187.2	168.4	156.9	157.9
30°	2776.0	2393.2	1466.4	486.4	246.8	211.3	181.0	155.8	137.0	127.6	126.6
32.5°	2769.7	2341.9	1297.0	342.0	221.7	185.1	153.8	129.7	114.0	106.7	105.6
35°	2762.4	2291.7	1135.9	260.4	199.8	160.0	129.7	109.8	97.3	91.0	91.0
37.5°	2764.5	2239.4	961.2	223.8	177.8	139.1	110.9	94.1	83.7	77.4	76.4
40°	2796.9	2208.0	789.7	202.9	157.9	120.3	96.2	81.6	71.1	64.8	63.8
42.5°	2877.4	2209.1	625.5	187.2	140.2	102.5	83.7	70.1	60.7	53.3	52.3
45°	3038.5	2253.0	480.1	170.5	121.3	88.9	72.2	59.6	50.2	43.9	42.9
47.5°	3302.1	2383.7	364.0	155.8	105.6	77.4	61.7	50.2	41.8	36.6	35.6
50°	3721.5	2620.1	286.6	138.1	88.9	66.9	52.3	41.8	34.5	29.3	28.2
52.5°	4225.7	2974.7	245.8	122.4	76.4	58.6	45.0	34.5	28.2	24.1	23.0
55°	4805.1	3398.3	227.0	106.7	64.8	50.2	36.6	28.2	23.0	19.9	17.8
57.5°	5336.5	3780.1	225.9	91.0	55.4	42.9	30.3	24.1	19.9	15.7	14.6
60°	5854.2	4099.1	212.3	75.3	48.1	35.6	26.1	19.9	16.7	13.6	12.6
62.5°	6323.9	4358.5	177.8	60.7	40.8	29.3	22.0	17.8	14.6	11.5	11.5
65°	6913.8	4689.0	136.0	49.2	33.5	24.1	18.8	15.7	13.6	10.5	10.5
67.5°	7523.6	4863.7	97.3	40.8	27.2	20.9	16.7	14.6	11.5	9.4	9.4
70°	6814.4	4109.6	70.1	33.5	23.0	17.8	14.6	13.6	11.5	9.4	8.4
72.5°	5321.8	2963.2	52.3	26.1	19.9	16.7	13.6	12.6	10.5	8.4	8.4
75°	3946.4	1727.9	39.7	20.9	15.7	13.6	13.6	12.6	10.5	8.4	7.3
77.5°	2145.3	602.5	30.3	16.7	12.6	10.5	11.5	11.5	9.4	7.3	6.3
80°	568.0	165.3	20.9	12.6	10.5	8.4	8.4	10.5	8.4	6.3	6.3
82.5°	165.3	48.1	14.6	10.5	8.4	7.3	7.3	7.3	6.3	5.2	4.2
85°	80.5	17.8	10.5	8.4	7.3	6.3	5.2	5.2	4.2	3.1	3.1
87.5°	35.6	7.3	8.4	7.3	7.3	5.2	4.2	3.1	3.1	2.1	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)