

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: P641796

Luminaire Tested: GWS-SA6B-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641796
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13373.9 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

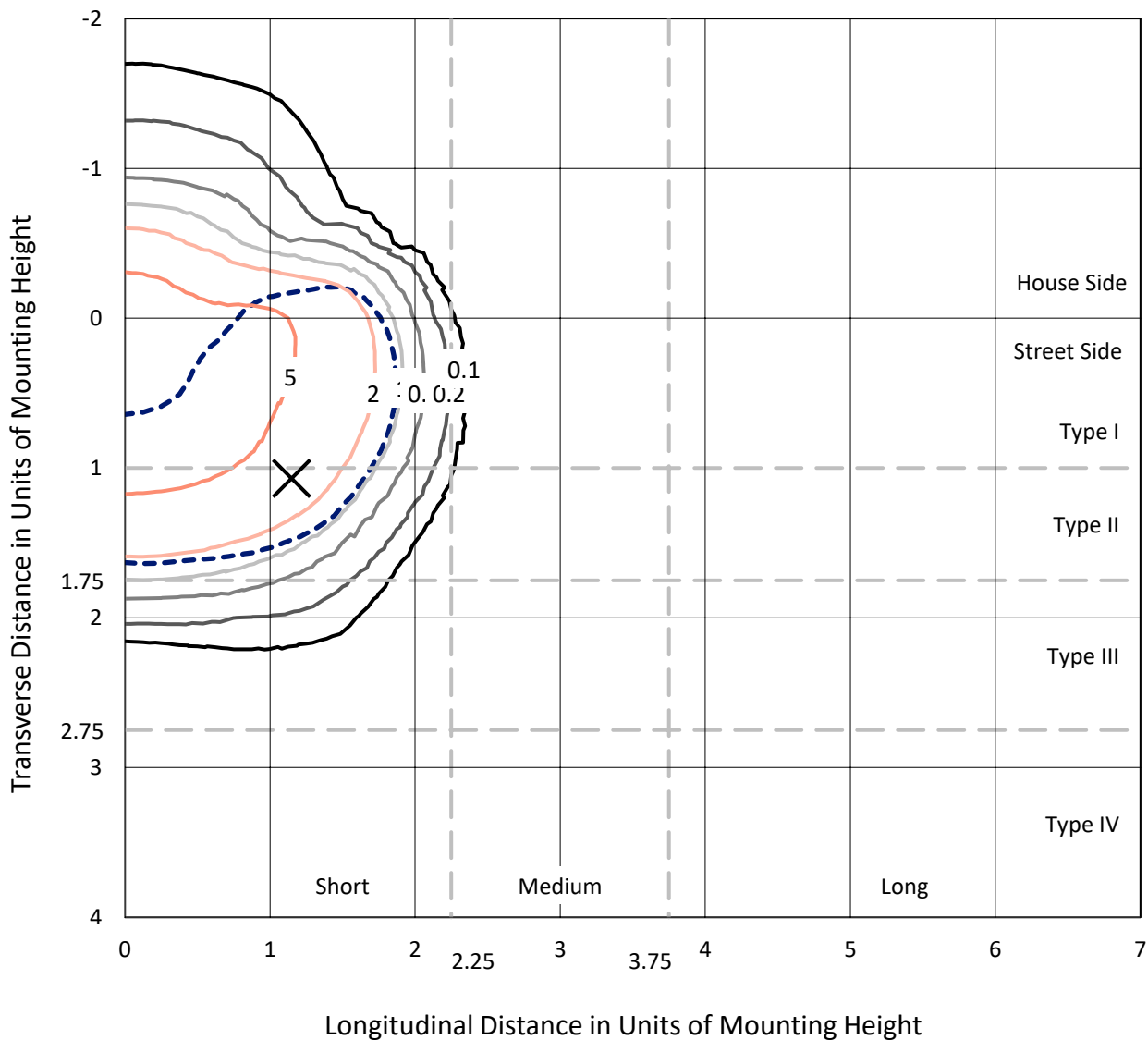
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

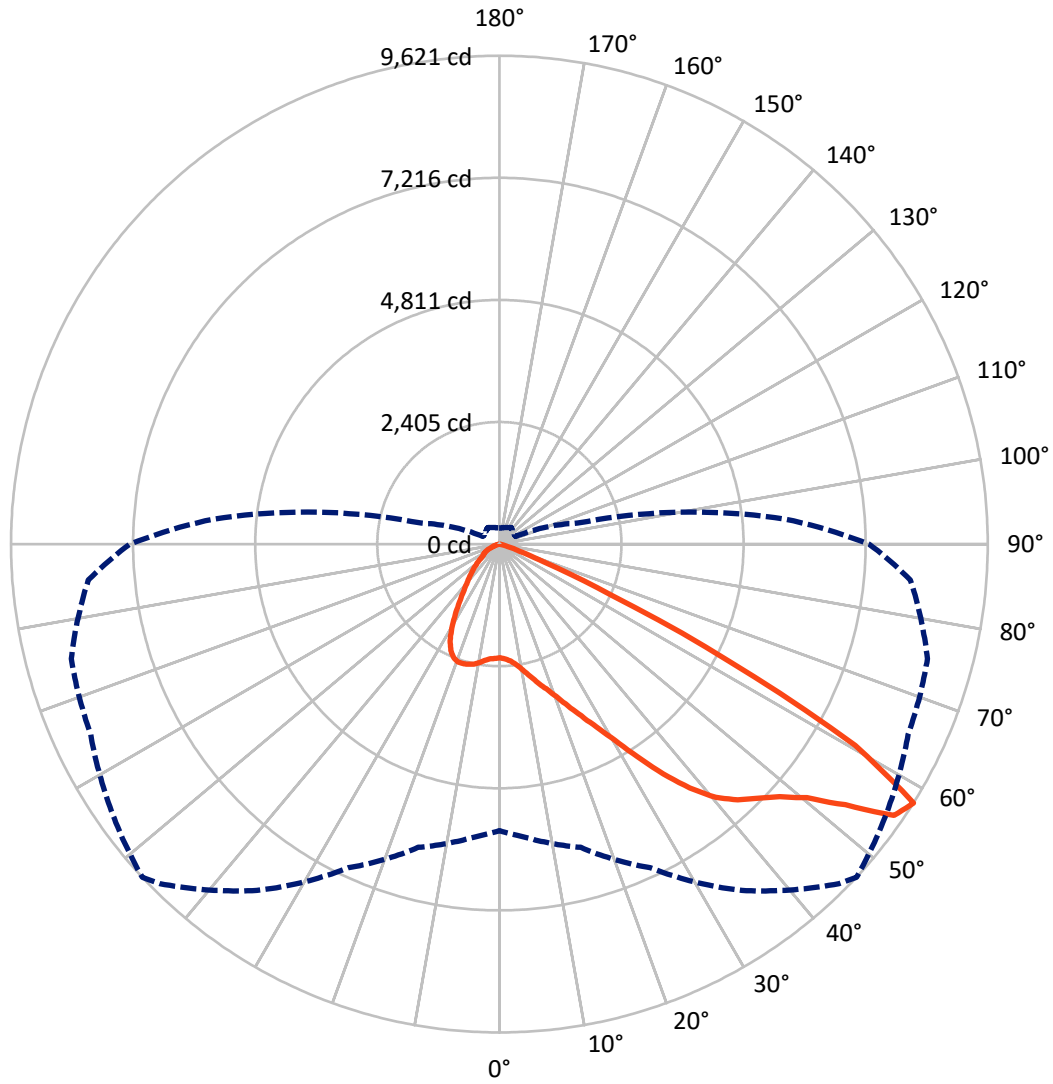
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2901.5	0.0	2901.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10472.5	0.0	10472.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	13373.9	0.0	13373.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.7	1.7
10°-20°	751.6	5.6
20°-30°	1395.5	10.4
30°-40°	2233.9	16.7
40°-50°	3265.4	24.4
50°-60°	4030.1	30.1
60°-70°	1346.6	10.1
70°-80°	125.5	0.9
80°-90°	2.6	0.0
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°	13373.9	100.0
0°-180°	13373.9	100.0

Coefficient of Utilization



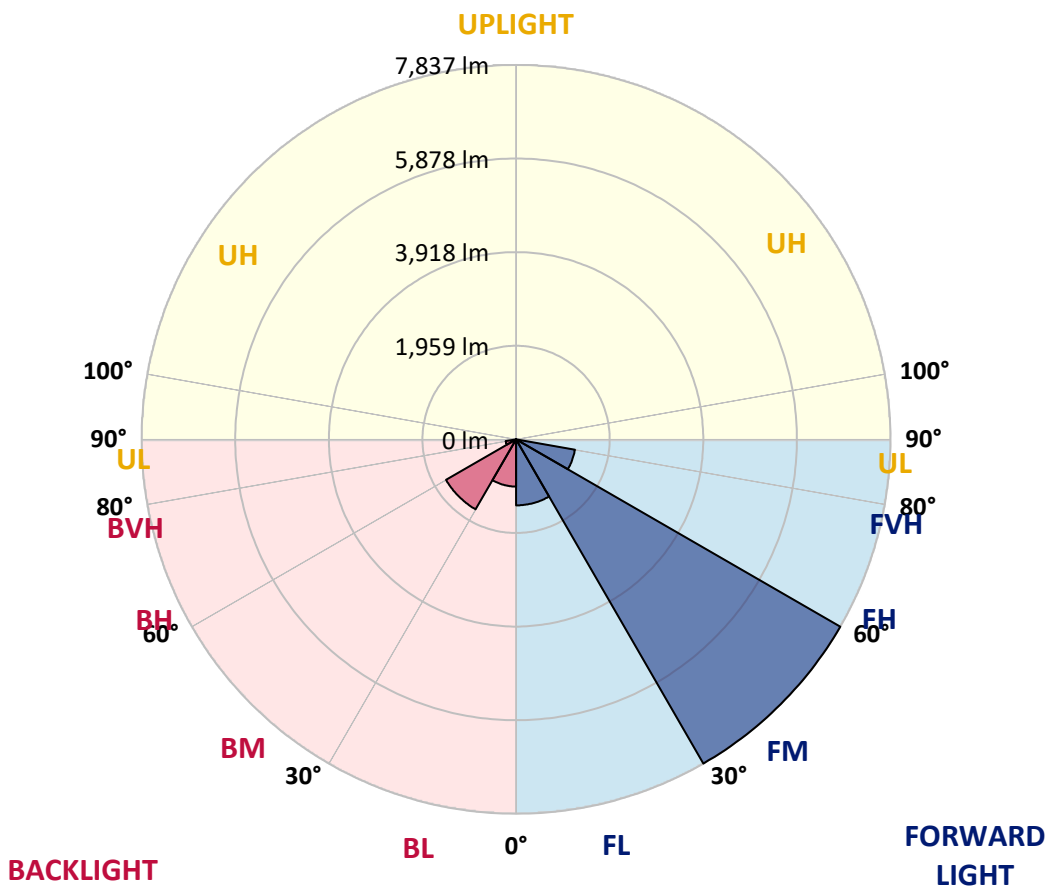
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1382.1	10.3			
FM (30°-60°)	7837.0	58.6			
FH (60°-80°)	1251.5	9.4			G1/1800
FVH (80°-90°)	1.8	0.0			G0/10
BL (0°-30°)	987.6	7.4	B2/1000		
BM (30°-60°)	1692.4	12.7	B2/2500		
BH (60°-80°)	220.6	1.6	B1/500		G1/500
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8
2.5°	2262.1	2260.5	2259.0	2268.3	2265.2	2263.6	2266.8	2266.8	2266.8	2257.4	2238.8
5°	2316.4	2316.4	2314.9	2324.2	2316.4	2311.8	2313.3	2313.3	2307.1	2290.0	2266.8
7.5°	2401.8	2398.7	2395.6	2404.9	2397.2	2395.6	2398.7	2389.4	2378.5	2350.6	2318.0
10°	2524.5	2524.5	2519.8	2529.1	2522.9	2519.8	2519.8	2513.6	2493.4	2450.0	2401.8
12.5°	2693.7	2685.9	2675.1	2667.3	2664.2	2662.7	2664.2	2654.9	2633.2	2577.3	2510.5
15°	2878.5	2872.3	2855.2	2842.8	2825.7	2822.6	2831.9	2824.1	2802.4	2726.3	2631.6
17.5°	3111.3	3119.1	3075.6	3049.2	2999.6	2996.5	2999.6	3012.0	2996.5	2898.6	2760.5
20°	3310.1	3316.3	3283.7	3265.1	3220.0	3199.8	3206.1	3226.2	3209.2	3094.3	2901.8
22.5°	3522.8	3530.5	3496.4	3457.6	3437.4	3437.4	3460.7	3488.6	3465.3	3314.7	3063.2
25°	3777.4	3783.6	3755.7	3704.4	3668.7	3713.7	3747.9	3822.4	3783.6	3578.7	3254.2
27.5°	4069.3	4070.8	4030.5	3977.7	3959.1	4042.9	4077.0	4191.9	4176.4	3875.2	3456.0
30°	4381.4	4382.9	4373.6	4337.9	4320.8	4431.0	4477.6	4643.7	4632.9	4243.2	3730.8
32.5°	4705.8	4705.8	4722.9	4719.8	4740.0	4920.1	4994.6	5184.0	5173.2	4693.4	4072.4
35°	5031.9	5033.4	5062.9	5137.5	5221.3	5460.4	5558.2	5788.0	5763.1	5232.2	4508.7
37.5°	5402.9	5387.4	5427.8	5539.6	5725.9	6002.2	6095.4	6314.3	6286.4	5783.3	5078.5
40°	5850.1	5822.1	5822.1	5952.6	6163.7	6482.0	6561.2	6669.8	6575.1	6228.9	5637.4
42.5°	6343.8	6317.4	6283.2	6398.1	6575.1	6823.5	6888.8	6859.3	6781.6	6649.7	6273.9
45°	6843.7	6803.4	6826.6	6896.5	6999.0	7117.0	7141.8	7005.2	6969.5	7006.7	6800.3
47.5°	7224.1	7196.2	7253.6	7351.4	7435.3	7452.3	7435.3	7245.8	7242.7	7374.7	7165.1
50°	7351.4	7354.5	7512.9	7727.1	7862.2	7876.2	7852.9	7635.5	7606.0	7644.9	7362.3
52.5°	7363.8	7376.3	7607.6	8015.9	8383.9	8551.6	8532.9	8298.5	8009.7	7967.8	7660.4
55°	7064.2	7137.2	7460.1	8056.3	8838.8	9374.4	9436.5	8987.8	8559.3	8523.6	8301.6
57.5°	5646.7	5795.7	6185.4	7034.7	8331.1	9459.8	9621.3	9298.3	8883.8	8731.7	8129.3
60°	3375.3	3560.0	3934.2	4976.0	6340.7	7775.3	8053.2	8098.2	7907.2	7467.9	6236.7
62.5°	1448.5	1433.0	1894.1	2692.2	3771.2	4941.8	5067.6	5263.2	5429.3	4969.8	3785.2
65°	496.8	540.3	751.4	1214.1	1887.9	2294.7	2406.5	2581.9	2817.9	2325.7	1386.4
67.5°	307.4	326.0	433.2	717.3	1018.5	1003.0	953.3	925.3	900.5	616.4	380.4
70°	223.6	239.1	304.3	493.7	684.7	481.3	417.6	338.5	375.7	346.2	270.1
72.5°	150.6	163.0	209.6	299.6	350.9	234.4	217.4	246.9	298.1	284.1	220.5
75°	90.0	97.8	119.5	145.9	142.8	121.1	122.7	173.9	228.2	212.7	156.8
77.5°	62.1	65.2	79.2	94.7	69.9	37.3	34.2	48.1	77.6	77.6	52.8
80°	15.5	20.2	20.2	12.4	10.9	9.3	9.3	14.0	21.7	15.5	7.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1	3.1
85°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1	3.1
87.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.1	3.1
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°	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8	2238.8
2.5°	2249.7	2231.0	2243.5	2240.4	2249.7	2252.8	2238.8	2235.7	2237.3	2218.6	2212.4
5°	2271.4	2249.7	2255.9	2249.7	2260.5	2269.9	2265.2	2271.4	2279.2	2265.2	2259.0
7.5°	2318.0	2296.3	2294.7	2285.4	2300.9	2307.1	2305.6	2322.6	2338.2	2328.9	2319.5
10°	2398.7	2369.2	2366.1	2358.4	2363.0	2367.7	2350.6	2353.7	2367.7	2356.8	2352.1
12.5°	2498.1	2462.4	2454.6	2436.0	2436.0	2412.7	2375.4	2367.7	2378.5	2370.8	2363.0
15°	2605.2	2557.1	2544.7	2512.1	2481.0	2437.5	2398.7	2389.4	2397.2	2387.9	2381.6
17.5°	2724.8	2670.4	2630.1	2572.6	2504.3	2453.1	2409.6	2389.4	2377.0	2358.4	2356.8
20°	2842.8	2771.3	2703.0	2611.4	2521.4	2443.7	2372.3	2319.5	2274.5	2246.6	2235.7
22.5°	2979.4	2873.8	2763.6	2634.7	2505.8	2387.9	2262.1	2172.0	2094.4	2068.0	2055.6
25°	3125.3	2988.7	2824.1	2656.4	2453.1	2263.6	2092.9	1959.3	1856.9	1822.7	1808.7
27.5°	3286.8	3098.9	2886.2	2651.8	2344.4	2086.7	1860.0	1693.9	1592.9	1561.9	1572.8
30°	3491.7	3241.8	2963.9	2603.7	2181.4	1838.2	1572.8	1433.0	1356.9	1327.4	1329.0
32.5°	3765.0	3446.7	3077.2	2501.2	1971.8	1555.7	1322.8	1220.3	1169.1	1130.3	1127.2
35°	4156.2	3758.8	3182.8	2336.6	1717.1	1304.2	1134.9	1054.2	982.8	937.8	945.5
37.5°	4625.1	4151.6	3240.2	2114.6	1431.5	1108.5	993.6	911.4	830.6	763.9	771.6
40°	5180.9	4665.5	3235.6	1822.7	1170.6	975.0	875.6	779.4	678.5	617.9	624.1
42.5°	5800.4	5151.4	3134.6	1513.8	970.4	866.3	762.3	641.2	543.4	506.1	507.7
45°	6337.6	5545.8	2957.6	1193.9	816.7	760.8	644.3	520.1	476.6	450.2	448.7
47.5°	6735.0	5834.6	2704.6	939.3	692.4	664.5	529.4	465.8	431.6	409.9	406.8
50°	6957.1	5935.5	2425.1	735.9	585.3	563.6	473.5	422.3	399.0	385.0	381.9
52.5°	7255.2	6056.6	2224.8	580.7	490.6	461.1	436.3	392.8	377.3	366.4	361.7
55°	7727.1	6291.0	2050.9	461.1	408.3	402.1	411.4	375.7	366.4	349.3	343.1
57.5°	7283.1	5651.4	1592.9	357.1	344.7	368.0	397.5	358.6	335.4	319.8	313.6
60°	5125.0	3757.2	801.1	287.2	307.4	344.7	374.2	324.5	301.2	304.3	301.2
62.5°	2825.7	1880.2	360.2	240.6	267.0	304.3	319.8	281.0	265.5	291.9	296.5
65°	923.8	639.7	208.0	186.3	211.1	248.4	276.4	267.0	263.9	295.0	304.3
67.5°	284.1	211.1	141.3	133.5	145.9	183.2	232.9	288.8	310.5	319.8	324.5
70°	212.7	166.1	121.1	113.3	119.5	139.7	197.2	240.6	226.7	228.2	225.1
72.5°	170.8	132.0	104.0	99.4	99.4	96.3	104.0	130.4	147.5	155.3	155.3
75°	119.5	93.2	79.2	73.0	57.4	46.6	41.9	41.9	37.3	35.7	34.2
77.5°	40.4	34.2	31.1	24.8	17.1	14.0	12.4	10.9	7.8	4.7	3.1
80°	6.2	4.7	3.1	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	3.1	3.1	3.1	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
85°	3.1	3.1	3.1	3.1	3.1	1.6	1.6	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	1.6	1.6	1.6	0.0	0.0	0.0	0.0
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)