

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: P639325

Luminaire Tested: GWS-SA5B-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11391.5 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

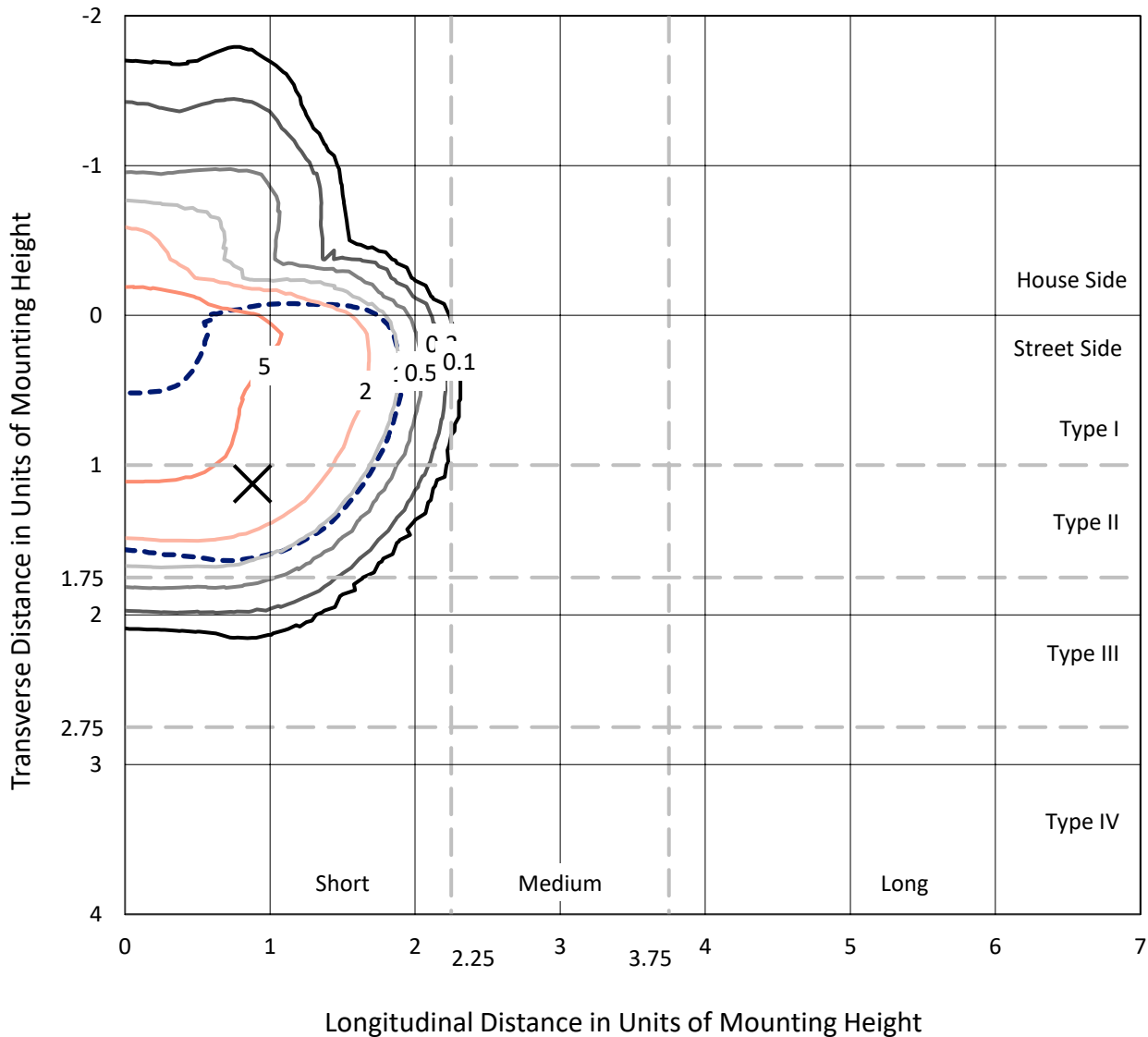
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639325
 CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

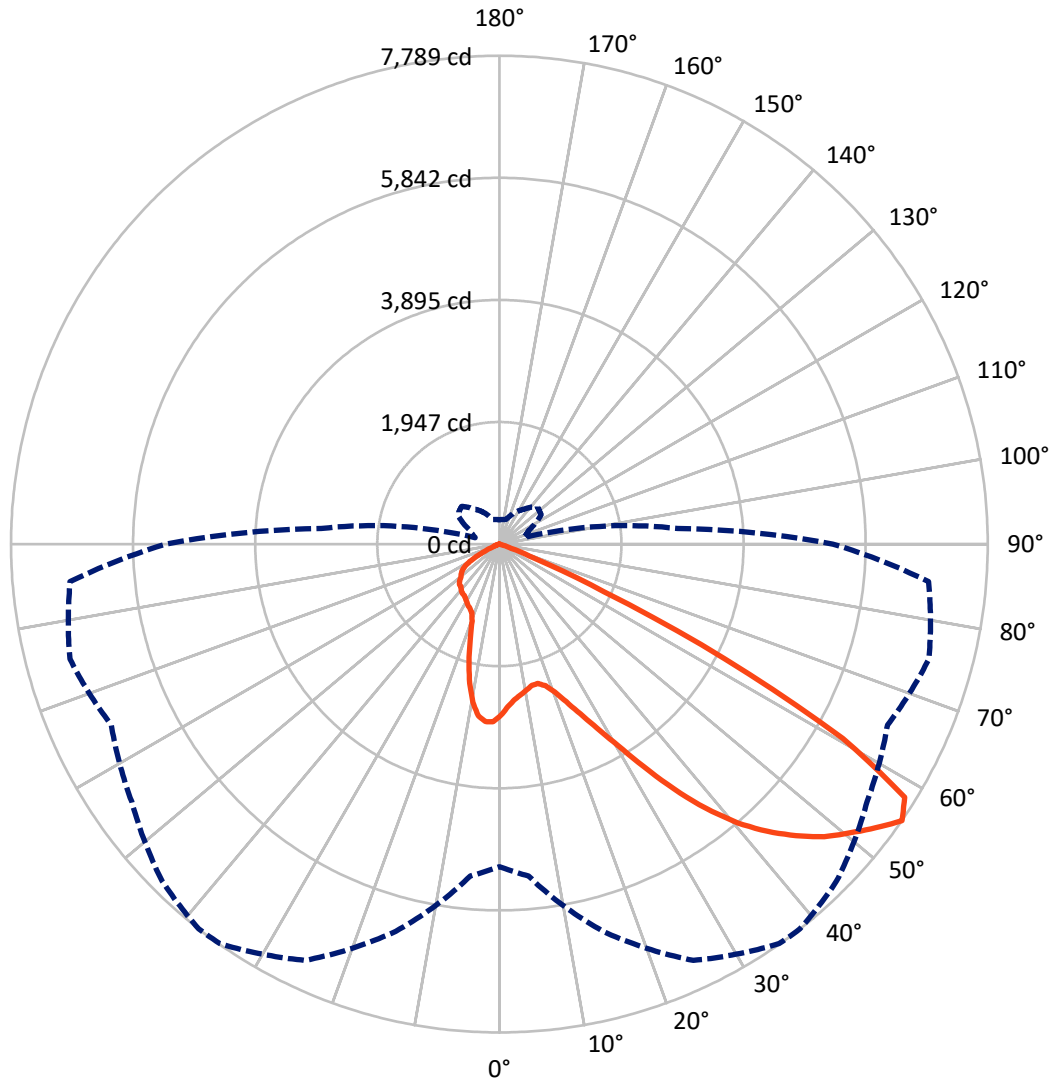
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

REPORT NUMBER: P639325
CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P639325

CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2219.4	0.0	2219.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	9172.1	0.0	9172.1
	% Fixture	80.5	0.0	80.5
Total	Lumens	11391.5	0.0	11391.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.6	2.2
10°-20°	680.0	6.0
20°-30°	1166.9	10.2
30°-40°	1935.4	17.0
40°-50°	2845.1	25.0
50°-60°	3324.6	29.2
60°-70°	1126.9	9.9
70°-80°	57.6	0.5
80°-90°	2.3	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°	11391.5	100.0
0°-180°	11391.5	100.0

Coefficient of Utilization



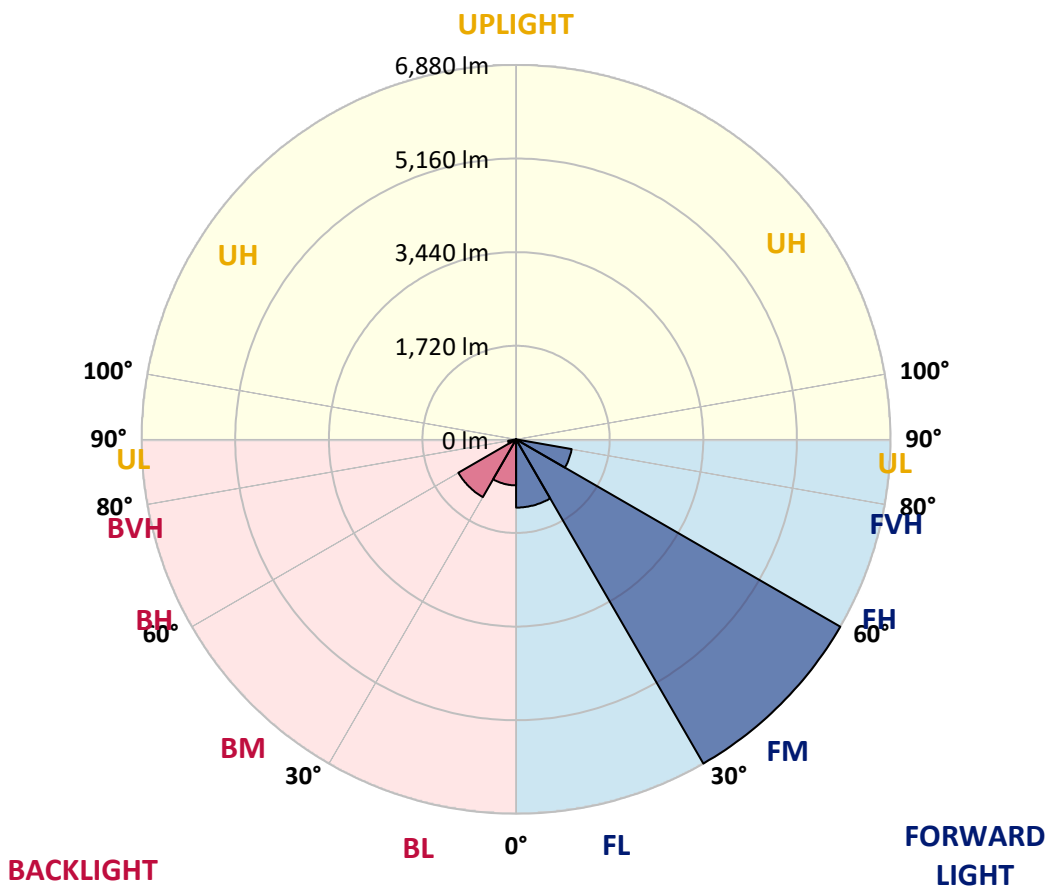
REPORT NUMBER: P639325

CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.9	11.0			
FM (30°-60°)	6880.1	60.4			
FH (60°-80°)	1036.8	9.1			G1/1800
FVH (80°-90°)	1.2	0.0			G0/10
BL (0°-30°)	845.6	7.4	B2/1000		
BM (30°-60°)	1225.0	10.8	B2/2500		
BH (60°-80°)	147.7	1.3	B1/500		G1/500
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P639325

CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8
2.5°	2544.3	2539.1	2549.5	2570.3	2589.8	2596.4	2615.9	2643.2	2660.2	2700.5	2733.1
5°	2429.7	2427.1	2437.5	2455.7	2481.8	2490.9	2520.8	2566.4	2612.0	2682.3	2751.3
7.5°	2325.5	2324.2	2339.8	2380.2	2418.0	2429.7	2466.1	2522.1	2583.3	2691.4	2793.0
10°	2188.8	2190.1	2220.1	2277.3	2346.4	2369.8	2428.4	2509.1	2588.5	2727.9	2868.5
12.5°	2144.5	2147.1	2162.8	2207.0	2282.6	2312.5	2394.5	2516.9	2618.5	2779.9	2966.1
15°	2252.6	2252.6	2239.6	2244.8	2278.6	2306.0	2391.9	2543.0	2669.3	2842.4	3062.5
17.5°	2462.2	2454.4	2421.9	2377.6	2365.9	2375.0	2444.0	2599.0	2740.9	2915.4	3171.9
20°	2746.1	2748.7	2684.9	2592.4	2518.2	2516.9	2558.6	2697.9	2843.7	3002.6	3290.4
22.5°	3089.8	3079.4	2994.8	2868.5	2739.6	2729.2	2746.1	2849.0	2992.2	3140.6	3436.2
25°	3488.3	3483.1	3363.3	3194.0	3023.4	2998.7	2998.7	3100.3	3204.4	3337.2	3610.7
27.5°	3904.9	3904.9	3789.1	3593.7	3367.2	3322.9	3316.4	3436.2	3505.2	3531.2	3757.8
30°	4333.3	4328.1	4213.5	4013.0	3770.8	3725.3	3707.0	3795.6	3845.0	3766.9	3941.4
32.5°	4768.2	4777.3	4661.5	4475.3	4259.1	4229.2	4173.2	4173.2	4213.5	4104.2	4230.5
35°	5235.7	5233.1	5141.9	5015.6	4830.7	4796.9	4704.4	4559.9	4621.1	4572.9	4630.2
37.5°	5648.4	5668.0	5623.7	5529.9	5380.2	5346.4	5194.0	4932.3	4979.2	5054.7	5105.5
40°	6067.7	6083.3	6127.6	6097.7	5908.9	5846.4	5575.5	5145.8	5197.9	5457.0	5602.9
42.5°	6479.2	6487.0	6576.8	6626.3	6373.7	6264.3	5864.6	5276.0	5330.7	5772.1	6027.3
45°	6740.9	6757.8	6906.2	7057.3	6783.8	6634.1	6115.9	5442.7	5466.1	5990.9	6341.1
47.5°	6730.5	6769.5	7048.2	7322.9	7136.7	6975.3	6418.0	5709.6	5670.6	6196.6	6548.2
50°	6520.8	6567.7	6967.4	7403.6	7390.6	7240.9	6753.9	6096.3	5974.0	6378.9	6574.2
52.5°	6085.9	6221.3	6825.5	7414.1	7595.0	7519.5	7169.3	6617.2	6384.1	6640.6	6615.9
55°	5145.8	5312.5	6394.5	7325.5	7779.9	7789.1	7605.5	7160.2	6829.4	7091.1	6872.4
57.5°	3906.2	4039.1	4921.9	6520.8	7474.0	7623.7	7774.7	7446.6	7104.2	7398.4	6932.3
60°	2354.2	2507.8	3082.0	4785.2	6036.5	6291.7	6884.1	6820.3	6407.5	6533.8	5684.9
62.5°	954.4	1035.2	1423.2	2636.7	3799.5	4037.8	4605.5	4701.8	4600.3	4471.4	3447.9
65°	349.0	381.5	570.3	1089.8	1747.4	1834.6	2134.1	2304.7	2445.3	2082.0	1282.6
67.5°	216.1	237.0	371.1	559.9	635.4	591.1	601.6	717.4	684.9	423.2	229.2
70°	160.2	177.1	290.4	388.0	256.5	197.9	134.1	143.2	128.9	113.3	112.0
72.5°	110.7	126.3	217.4	229.2	99.0	70.3	49.5	69.0	78.1	76.8	79.4
75°	72.9	84.6	136.7	89.8	24.7	19.5	16.9	36.5	46.9	46.9	48.2
77.5°	43.0	49.5	48.2	18.2	5.2	5.2	3.9	6.5	10.4	11.7	14.3
80°	5.2	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
82.5°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
85°	0.0	0.0	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9
87.5°	0.0	0.0	1.3	1.3	2.6	2.6	2.6	2.6	2.6	3.9	3.9
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: P639325

CATALOG NUMBER: GWS-SA5B-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8	2731.8
2.5°	2757.8	2748.7	2786.5	2813.8	2835.9	2846.4	2832.0	2830.7	2830.7	2802.1	2794.3
5°	2790.4	2794.3	2847.7	2871.1	2875.0	2862.0	2829.4	2807.3	2794.3	2764.3	2747.4
7.5°	2852.9	2865.9	2916.7	2912.8	2877.6	2817.7	2731.8	2665.4	2622.4	2575.5	2546.9
10°	2942.7	2967.4	2998.7	2944.0	2832.0	2679.7	2502.6	2376.3	2300.8	2247.4	2214.8
12.5°	3052.1	3076.8	3066.4	2937.5	2704.4	2432.3	2204.4	2022.1	1934.9	1886.7	1852.9
15°	3162.8	3178.4	3110.7	2859.4	2479.2	2113.3	1859.4	1678.4	1571.6	1532.6	1503.9
17.5°	3276.0	3272.1	3118.5	2705.7	2178.4	1753.9	1503.9	1380.2	1350.3	1343.7	1341.1
20°	3394.5	3359.4	3087.2	2485.7	1816.4	1398.4	1256.5	1264.3	1319.0	1345.1	1350.3
22.5°	3529.9	3441.4	3009.1	2187.5	1446.6	1165.4	1179.7	1256.5	1330.7	1365.9	1371.1
25°	3674.5	3516.9	2878.9	1804.7	1140.6	1071.6	1156.2	1244.8	1324.2	1367.2	1372.4
27.5°	3769.5	3535.2	2665.4	1419.3	979.2	1035.2	1125.0	1209.6	1291.7	1338.5	1345.1
30°	3872.4	3527.3	2375.0	1093.7	924.5	1003.9	1082.0	1158.9	1234.4	1286.5	1291.7
32.5°	4023.4	3522.1	2020.8	888.0	902.3	979.2	1036.5	1100.3	1152.3	1182.3	1178.4
35°	4221.4	3515.6	1608.1	800.8	889.3	959.6	1005.2	1035.2	977.9	959.6	963.5
37.5°	4475.3	3531.2	1260.4	764.3	885.4	954.4	993.5	907.6	819.0	785.2	779.9
40°	4756.5	3571.6	960.9	750.0	898.4	967.4	949.2	807.3	697.9	631.5	617.2
42.5°	5039.1	3615.9	760.4	744.8	920.6	1003.9	876.3	734.4	570.3	532.6	527.3
45°	5248.7	3608.1	657.6	735.7	940.1	1024.7	856.8	630.2	509.1	492.2	493.5
47.5°	5354.2	3522.1	601.6	714.8	947.9	1003.9	808.6	587.2	467.4	485.7	501.3
50°	5298.2	3299.5	549.5	674.5	931.0	976.6	731.8	554.7	446.6	522.1	557.3
52.5°	5230.5	3026.0	492.2	612.0	890.6	938.8	701.8	545.6	433.6	503.9	529.9
55°	5320.3	2852.9	398.4	515.6	811.2	850.3	678.4	544.3	403.6	391.9	388.0
57.5°	5194.0	2507.8	285.2	371.1	622.4	673.2	661.5	535.2	358.1	356.8	362.0
60°	4014.3	1529.9	195.3	235.7	381.5	429.7	600.3	511.7	308.6	283.9	285.2
62.5°	2281.2	651.0	134.1	145.8	195.3	231.8	458.3	464.8	285.2	270.8	285.2
65°	794.3	233.1	104.2	97.7	108.1	123.7	263.0	359.4	259.1	234.4	237.0
67.5°	164.1	115.9	92.4	80.7	80.7	80.7	134.1	224.0	213.5	186.2	188.8
70°	104.2	99.0	80.7	69.0	66.4	61.2	76.8	123.7	147.1	135.4	136.7
72.5°	76.8	75.5	63.8	56.0	49.5	44.3	48.2	61.2	75.5	78.1	79.4
75°	46.9	48.2	41.7	35.2	31.2	27.3	28.6	28.6	28.6	26.0	28.6
77.5°	14.3	15.6	13.0	10.4	9.1	9.1	9.1	7.8	6.5	3.9	3.9
80°	3.9	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0
82.5°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
85°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	2.6	2.6	1.3	1.3	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)