

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: P634340

Luminaire Tested: GWS-SA3B-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634340
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10834.7 lumens
Efficiency: N/A
Efficacy: 158.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

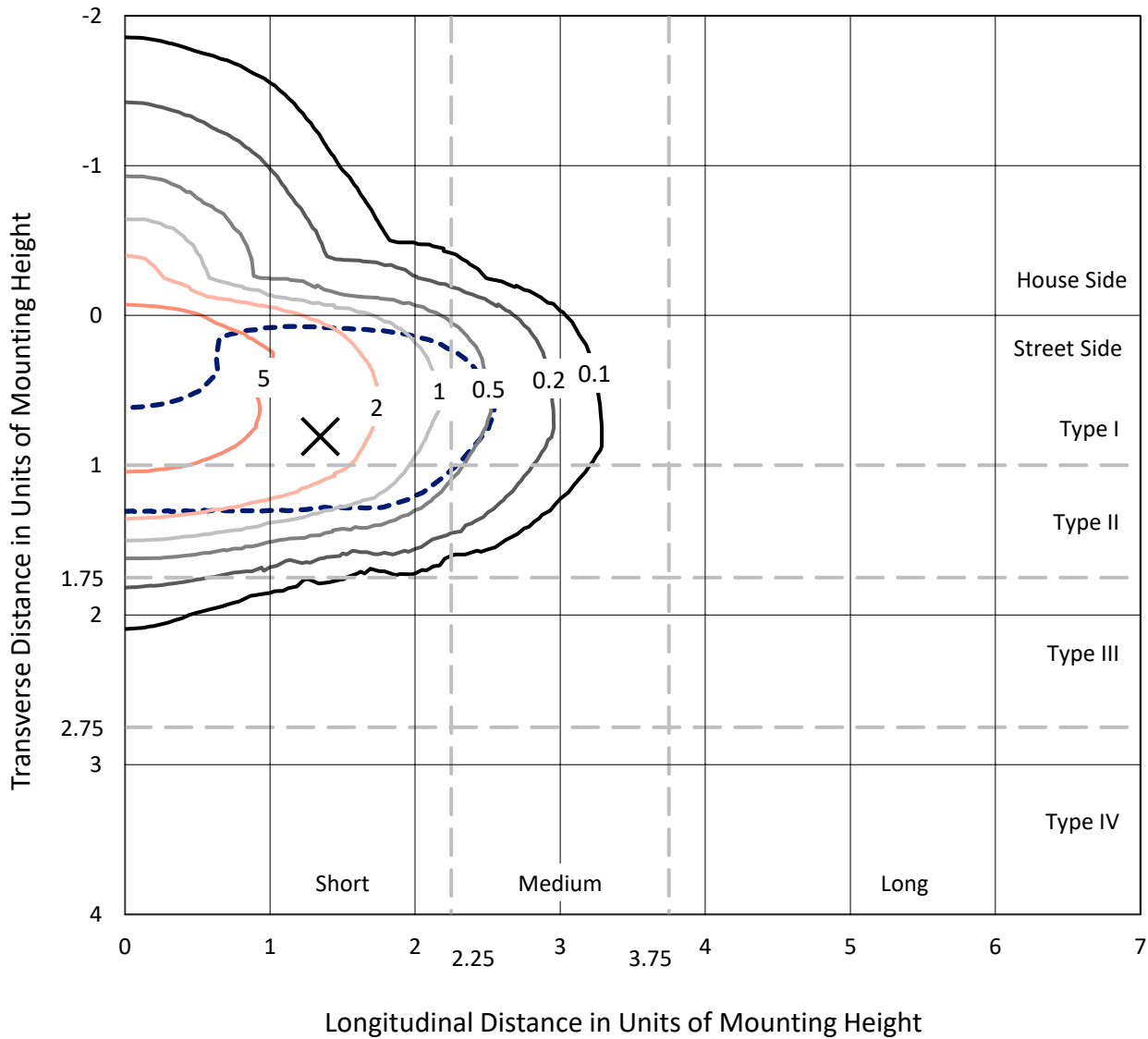
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634340
 CATALOG NUMBER: GWS-SA3B-750-U-AFL-W

Iso-Footcandle Lines of Horizontal Illumination

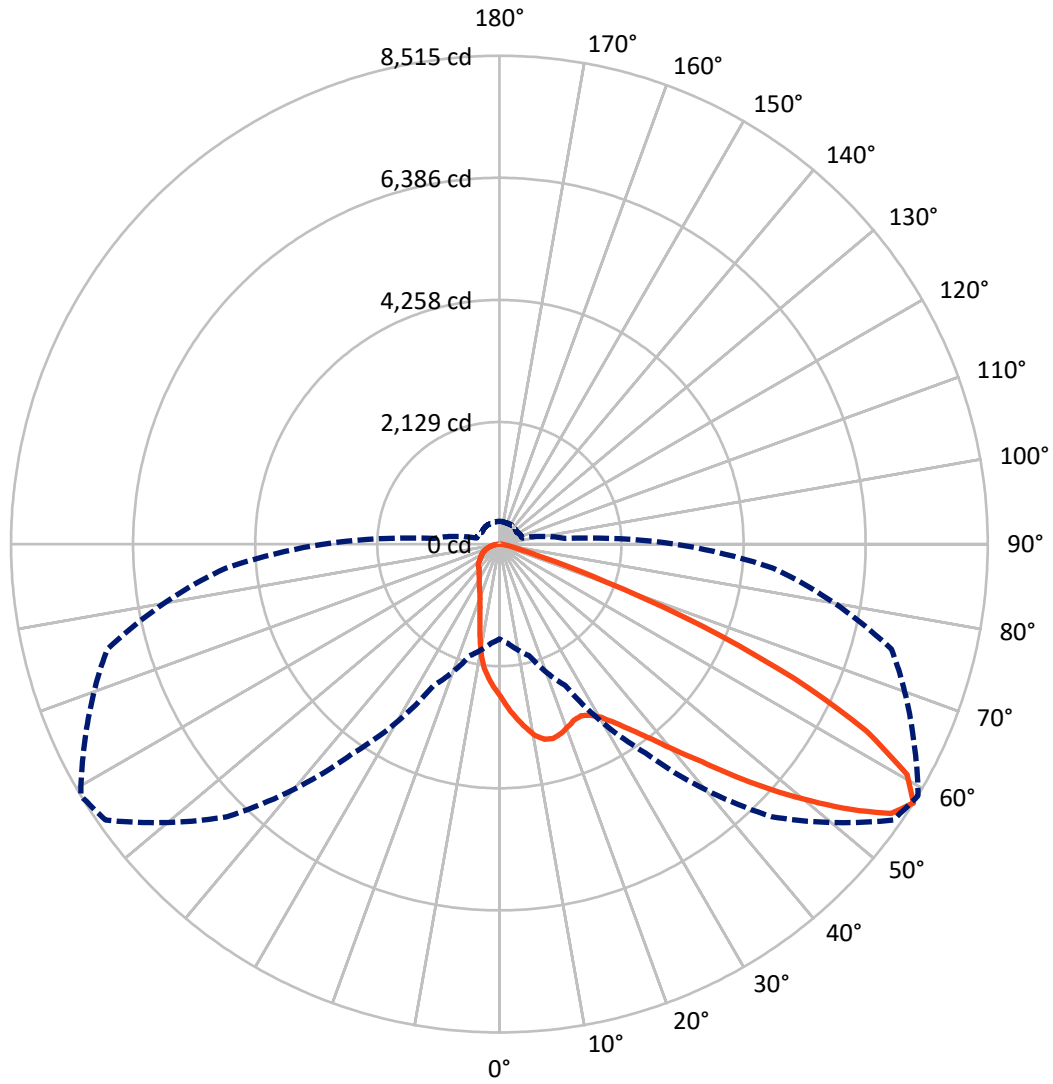
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

REPORT NUMBER: P634340
CATALOG NUMBER: GWS-SA3B-750-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P634340

CATALOG NUMBER: GWS-SA3B-750-U-AFL-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1681.5	0.0	1681.5
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	9153.2	0.0	9153.2
	% Fixture	84.5	0.0	84.5
Total	Lumens	10834.7	0.0	10834.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.0	2.3
10°-20°	625.8	5.8
20°-30°	1014.4	9.4
30°-40°	1631.8	15.1
40°-50°	2534.1	23.4
50°-60°	2729.5	25.2
60°-70°	1584.1	14.6
70°-80°	413.5	3.8
80°-90°	54.5	0.5
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°	10834.7	100.0
0°-180°	10834.7	100.0

Coefficient of Utilization



REPORT NUMBER: P634340

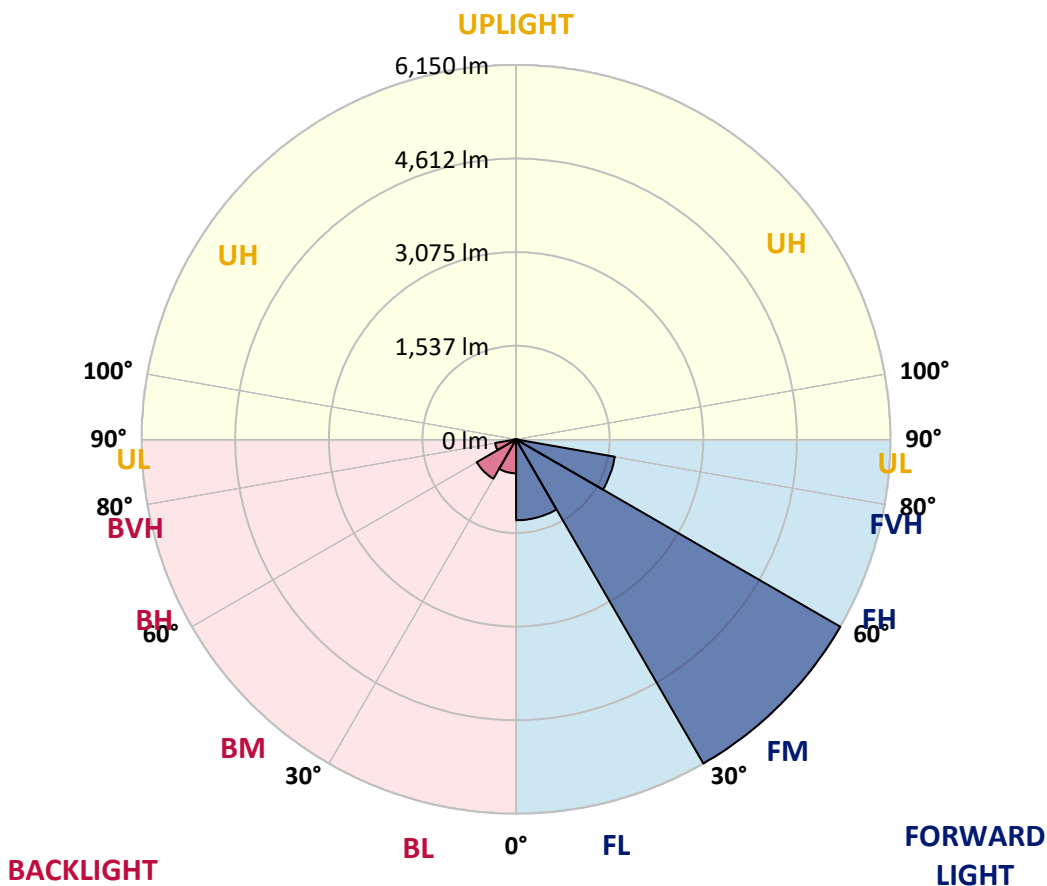
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1329.3	12.3			
FM (30°-60°)	6149.9	56.8			
FH (60°-80°)	1647.9	15.2			G1/1800
FVH (80°-90°)	26.1	0.2			G1/100
BL (0°-30°)	557.8	5.1	B2/1000		
BM (30°-60°)	745.5	6.9	B1/1000		
BH (60°-80°)	349.7	3.2	B1/500		G1/500
BVH (80°-90°)	28.4	0.3			G1/100
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: P634340
 CATALOG NUMBER: GWS-SA3B-750-U-AFL-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7
2.5°	3016.7	2991.5	3009.0	2977.8	2964.8	2930.5	2886.2	2856.5	2810.7	2751.2	2699.4
5°	3316.4	3298.9	3302.7	3269.1	3239.4	3182.2	3091.4	3041.1	2963.3	2843.5	2732.2
7.5°	3307.3	3327.9	3339.3	3368.3	3376.7	3371.3	3289.7	3219.6	3134.1	2954.1	2786.3
10°	2964.8	3003.7	3038.8	3137.9	3258.5	3411.0	3430.1	3388.1	3301.9	3095.2	2851.2
12.5°	2591.8	2621.6	2652.8	2771.8	2956.4	3261.5	3468.2	3494.1	3459.8	3234.8	2924.4
15°	2408.8	2422.5	2452.2	2530.8	2678.0	3016.7	3401.9	3515.5	3577.3	3382.8	3006.8
17.5°	2401.1	2407.2	2421.7	2463.7	2565.9	2827.5	3282.1	3472.8	3669.6	3539.2	3102.9
20°	2559.0	2543.0	2533.8	2533.1	2583.4	2764.2	3166.2	3404.1	3713.1	3699.3	3205.8
22.5°	2777.9	2783.3	2763.4	2714.6	2708.5	2809.2	3108.2	3334.7	3726.0	3841.2	3301.2
25°	3088.4	3115.1	3056.3	2963.3	2917.5	2939.6	3144.0	3313.4	3724.5	3959.4	3360.7
27.5°	3450.7	3471.3	3411.8	3289.7	3195.2	3141.8	3250.8	3376.7	3737.5	4061.6	3396.5
30°	3863.3	3870.2	3788.6	3660.4	3522.4	3408.0	3428.6	3507.1	3803.8	4195.9	3438.5
32.5°	4367.5	4396.5	4272.9	4070.0	3877.0	3730.6	3667.3	3717.6	3947.2	4354.5	3503.3
35°	5007.4	5017.4	4860.2	4569.6	4296.6	4093.7	3961.0	3987.6	4165.4	4576.5	3600.9
37.5°	5610.8	5620.7	5453.6	5183.6	4793.1	4515.5	4323.3	4311.1	4444.5	4890.0	3760.3
40°	5993.7	6021.9	5947.1	5777.8	5404.8	5030.3	4769.5	4727.5	4810.7	5273.6	3982.3
42.5°	6199.6	6211.8	6210.3	6232.4	6010.5	5638.2	5272.9	5189.0	5244.7	5687.8	4206.6
45°	6201.1	6231.7	6313.3	6526.1	6536.0	6304.1	5909.0	5777.8	5726.7	6105.0	4440.7
47.5°	5923.5	5956.3	6180.5	6599.3	6908.2	6960.8	6671.0	6407.8	6192.8	6464.3	4632.9
50°	5083.0	5165.3	5592.5	6333.1	6981.4	7487.1	7397.9	7040.9	6606.9	6741.9	4753.4
52.5°	4353.0	4350.0	4613.1	5581.0	6675.6	7719.0	8101.1	7692.3	7016.5	6918.1	4784.0
55°	3187.5	3205.1	3474.3	4268.3	5859.4	7494.8	8487.9	8291.8	7486.4	7011.9	4771.8
57.5°	1652.9	1739.8	2015.9	2723.8	4452.2	6722.9	8384.9	8515.3	7963.9	7078.3	4787.8
60°	835.2	818.4	917.6	1300.5	2579.6	5250.8	7750.3	8166.0	8050.0	7130.2	4797.7
62.5°	557.6	553.0	525.5	602.6	1054.1	3109.7	6606.9	7189.7	7451.3	7008.1	4671.1
65°	482.8	473.7	423.3	420.3	511.8	1289.8	4842.7	5652.0	6158.4	6465.8	4368.3
67.5°	434.8	421.0	369.9	344.8	367.6	566.7	2729.1	3790.9	4547.5	5468.1	3704.7
70°	388.2	381.4	330.3	293.7	291.4	345.5	1005.3	1956.4	2782.5	3730.6	2708.5
72.5°	347.8	335.6	292.1	257.0	239.5	244.8	436.3	753.6	1440.1	2327.1	1620.1
75°	301.3	292.1	254.0	218.9	197.6	179.2	266.2	348.6	656.7	1106.0	765.0
77.5°	232.6	226.5	200.6	173.9	161.7	133.5	161.7	219.7	303.6	466.0	398.2
80°	135.0	138.8	149.5	135.8	119.0	95.3	105.3	126.6	182.3	252.5	225.8
82.5°	67.9	72.5	96.9	78.6	70.9	55.7	62.5	74.7	95.3	139.6	88.5
85°	5.3	5.3	17.5	19.8	24.4	19.8	25.2	30.5	43.5	55.7	29.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.8	6.9	13.0	8.4
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: P634340
 CATALOG NUMBER: GWS-SA3B-750-U-AFL-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7	2659.7
2.5°	2664.3	2625.4	2578.9	2540.7	2482.0	2450.7	2411.0	2362.2	2342.4	2333.2	2327.9
5°	2669.6	2601.0	2501.8	2410.3	2308.8	2228.7	2139.5	2046.5	1993.1	1980.1	1970.9
7.5°	2689.4	2593.3	2435.5	2284.4	2096.0	1921.4	1751.3	1582.7	1496.5	1463.7	1460.7
10°	2716.9	2590.3	2368.3	2117.4	1799.3	1523.2	1324.1	1192.2	1136.5	1118.2	1112.1
12.5°	2751.2	2588.0	2279.9	1885.5	1456.8	1196.0	1082.3	1061.0	1068.6	1067.1	1067.1
15°	2794.7	2591.1	2173.1	1623.1	1178.4	1038.1	1040.4	1065.6	1089.2	1093.0	1093.0
17.5°	2842.0	2588.0	2018.2	1360.0	1011.4	1000.7	1035.8	1070.9	1092.3	1095.3	1095.3
20°	2893.1	2573.5	1823.0	1112.1	938.2	977.1	1015.2	1042.7	1055.6	1058.7	1058.7
22.5°	2923.6	2532.3	1610.9	941.2	891.7	939.7	964.9	993.1	994.6	970.2	969.5
25°	2919.0	2455.3	1369.1	831.4	842.1	884.0	916.1	896.2	871.8	858.1	855.8
27.5°	2890.1	2339.3	1122.8	748.3	783.3	830.6	820.7	803.9	797.8	782.6	781.1
30°	2853.4	2196.7	901.6	683.4	722.3	765.8	750.5	749.0	742.9	726.1	726.1
32.5°	2818.4	2049.5	734.5	635.4	683.4	686.5	707.8	709.4	706.3	677.3	674.3
35°	2808.4	1902.3	621.6	597.2	645.3	643.8	674.3	673.5	620.9	580.5	579.7
37.5°	2838.2	1752.8	554.5	566.0	592.7	612.5	636.9	592.7	575.1	550.7	549.2
40°	2901.5	1614.7	520.2	547.7	559.1	588.1	549.9	553.0	548.4	530.1	527.8
42.5°	2985.4	1497.3	501.1	541.6	540.0	547.7	505.7	517.9	524.8	511.0	508.8
45°	3066.2	1395.1	491.2	518.7	526.3	482.1	473.7	485.1	495.8	490.4	488.2
47.5°	3125.7	1306.6	485.9	487.4	508.8	459.9	446.2	451.5	464.5	466.8	466.0
50°	3144.0	1231.1	479.8	461.5	456.9	437.8	427.1	425.6	440.9	451.5	453.1
52.5°	3109.0	1164.0	463.8	438.6	416.5	419.5	415.7	408.1	423.3	437.8	439.3
55°	3057.1	1125.8	438.6	416.5	390.5	402.7	404.3	397.4	407.3	417.2	417.2
57.5°	3060.9	1147.9	414.2	395.9	367.6	383.7	392.1	389.0	389.0	396.6	397.4
60°	3086.1	1180.0	398.2	369.9	344.8	361.5	380.6	377.6	370.7	380.6	380.6
62.5°	3013.6	1137.3	387.5	344.8	320.4	340.2	363.1	361.5	353.9	369.9	371.5
65°	2800.0	1022.8	375.3	313.5	295.9	318.8	338.7	344.0	337.1	358.5	362.3
67.5°	2347.0	860.4	351.6	283.7	271.5	292.9	312.0	319.6	314.3	339.4	342.5
70°	1749.7	696.4	314.3	250.9	241.8	260.9	278.4	281.5	282.2	312.0	315.0
72.5°	1115.9	541.6	264.7	214.3	207.5	222.0	234.9	247.1	252.5	280.7	279.9
75°	622.4	402.7	212.8	181.5	169.3	180.8	196.0	210.5	225.8	267.0	271.5
77.5°	358.5	283.0	168.6	145.7	131.2	143.4	156.4	177.0	222.7	258.6	254.0
80°	202.1	183.8	127.4	106.8	97.6	106.8	116.7	155.6	175.4	190.7	193.0
82.5°	94.6	103.0	87.0	65.6	65.6	71.7	80.9	120.5	132.7	108.3	94.6
85°	34.3	46.5	42.7	33.6	29.7	29.0	50.3	68.6	42.7	38.1	32.8
87.5°	9.2	13.0	12.2	8.4	4.6	3.8	0.0	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)