

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: P637345

Luminaire Tested: GWS-SA4C-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637345
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-SA4C-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12453.8 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

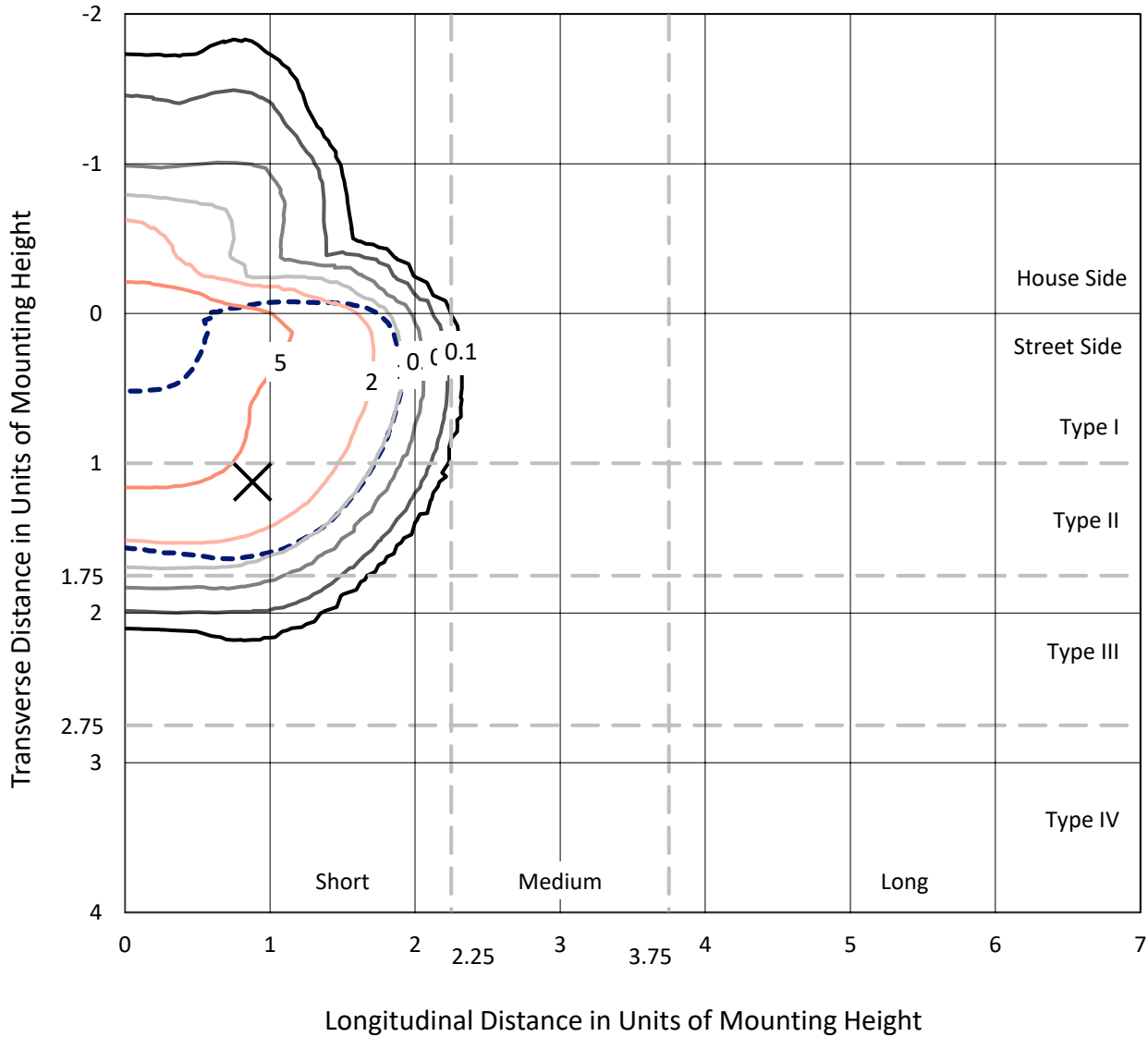
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637345
 CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

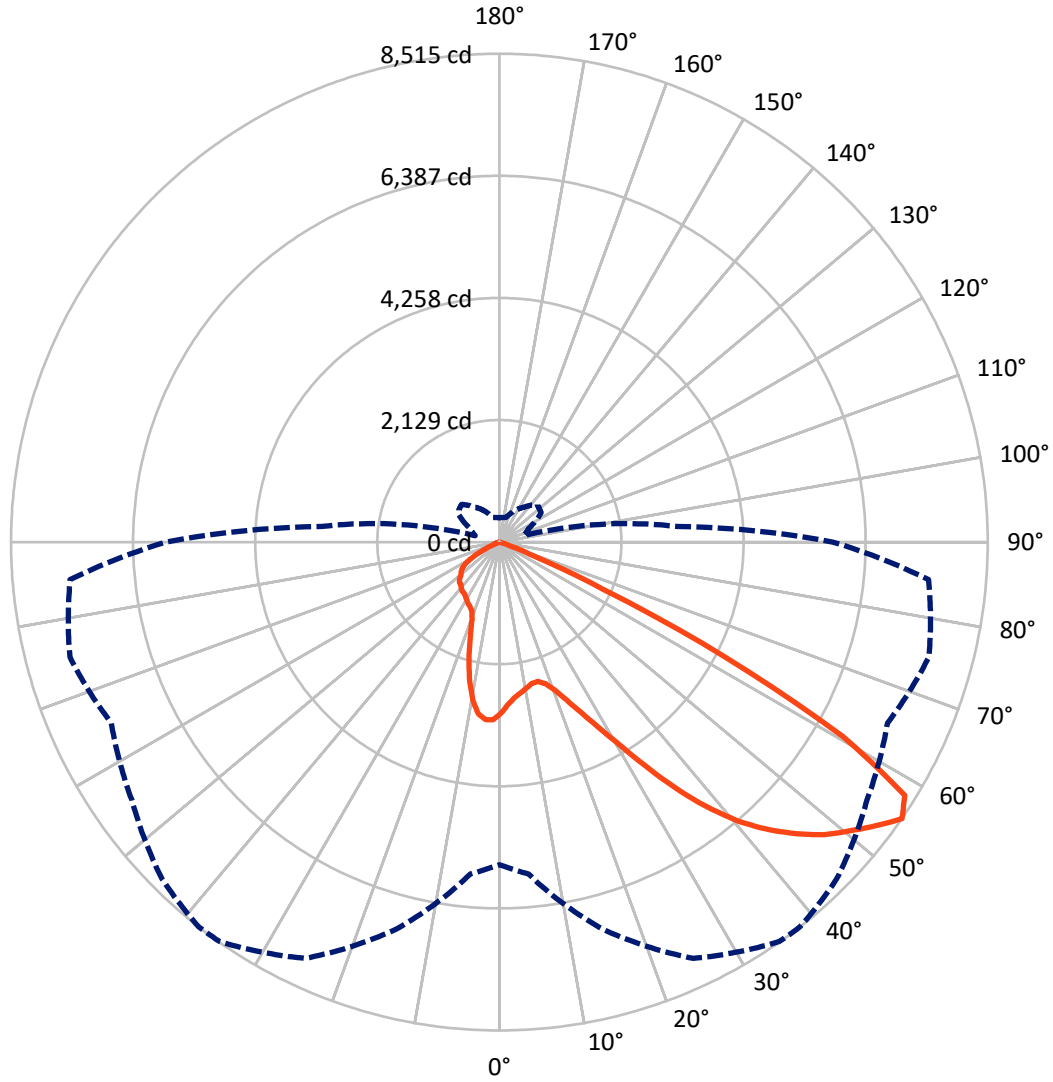
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

REPORT NUMBER: P637345
CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637345
 CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2426.4	0.0	2426.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	10027.4	0.0	10027.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	12453.8	0.0	12453.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.1	2.2
10°-20°	743.4	6.0
20°-30°	1275.7	10.2
30°-40°	2115.9	17.0
40°-50°	3110.5	25.0
50°-60°	3634.7	29.2
60°-70°	1232.0	9.9
70°-80°	63.0	0.5
80°-90°	2.5	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°	12453.8	100.0
0°-180°	12453.8	100.0

Coefficient of Utilization

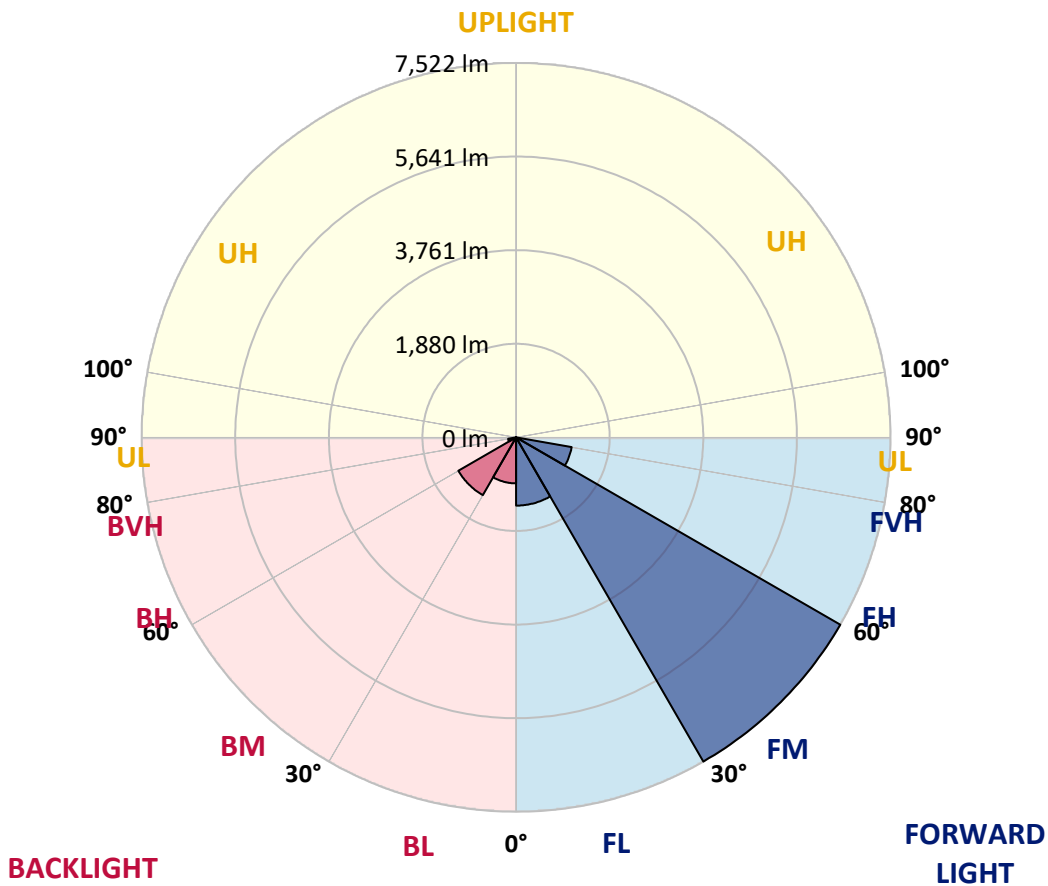


REPORT NUMBER: P637345
 CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1370.9	11.0			
FM (30°-60°)	7521.7	60.4			
FH (60°-80°)	1133.5	9.1			G1/1800
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	924.4	7.4	B2/1000		
BM (30°-60°)	1339.3	10.8	B2/2500		
BH (60°-80°)	161.5	1.3	B1/500		G1/500
BVH (80°-90°)	1.2	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: P637345

CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5
2.5°	2781.5	2775.8	2787.2	2810.0	2831.4	2838.5	2859.8	2889.7	2908.2	2952.4	2987.9
5°	2656.3	2653.4	2664.8	2684.7	2713.2	2723.2	2755.9	2805.7	2855.6	2932.4	3007.9
7.5°	2542.4	2541.0	2558.0	2602.2	2643.5	2656.3	2696.1	2757.3	2824.2	2942.4	3053.4
10°	2392.9	2394.3	2427.1	2489.7	2565.2	2590.8	2654.8	2743.1	2829.9	2982.2	3136.0
12.5°	2344.5	2347.4	2364.4	2412.8	2495.4	2528.1	2617.8	2751.6	2862.7	3039.2	3242.7
15°	2462.7	2462.7	2448.4	2454.1	2491.1	2521.0	2615.0	2780.1	2918.2	3107.5	3348.1
17.5°	2691.9	2683.3	2647.7	2599.3	2586.5	2596.5	2671.9	2841.3	2996.5	3187.2	3467.7
20°	3002.2	3005.0	2935.3	2834.2	2753.1	2751.6	2797.2	2949.5	3108.9	3282.6	3597.2
22.5°	3378.0	3366.6	3274.1	3136.0	2995.1	2983.7	3002.2	3114.6	3271.2	3433.5	3756.6
25°	3813.6	3807.9	3676.9	3491.9	3305.4	3278.3	3278.3	3389.4	3503.2	3648.4	3947.4
27.5°	4269.1	4269.1	4142.4	3928.9	3681.2	3632.8	3625.7	3756.6	3832.1	3860.5	4108.2
30°	4737.4	4731.7	4606.5	4387.2	4122.5	4072.7	4052.7	4149.5	4203.6	4118.2	4309.0
32.5°	5212.9	5222.8	5096.2	4892.6	4656.3	4623.5	4562.3	4562.3	4606.5	4486.9	4625.0
35°	5723.9	5721.1	5621.4	5483.3	5281.2	5244.2	5143.1	4985.1	5052.0	4999.4	5062.0
37.5°	6175.2	6196.5	6148.1	6045.6	5881.9	5844.9	5678.4	5392.2	5443.5	5526.1	5581.6
40°	6633.5	6650.6	6699.0	6666.3	6459.9	6391.5	6095.5	5625.7	5682.6	5965.9	6125.3
42.5°	7083.4	7091.9	7190.1	7244.2	6968.1	6848.5	6411.5	5768.0	5827.8	6310.4	6589.4
45°	7369.5	7388.0	7550.3	7715.4	7416.5	7252.8	6686.2	5950.3	5975.9	6549.6	6932.5
47.5°	7358.1	7400.8	7705.4	8005.8	7802.2	7625.7	7016.5	6242.1	6199.4	6774.5	7158.8
50°	7128.9	7180.2	7617.2	8094.1	8079.8	7916.1	7383.7	6664.9	6531.0	6973.8	7187.3
52.5°	6653.5	6801.5	7462.0	8105.4	8303.3	8220.7	7837.8	7234.3	6979.5	7259.9	7232.8
55°	5625.7	5807.9	6990.8	8008.6	8505.5	8515.4	8314.7	7827.9	7466.3	7752.4	7513.3
57.5°	4270.5	4415.7	5380.9	7128.9	8170.9	8334.6	8499.8	8141.0	7766.7	8088.4	7578.7
60°	2573.7	2741.7	3369.4	5231.4	6599.4	6878.4	7526.1	7456.3	7005.1	7143.2	6215.0
62.5°	1043.4	1131.7	1555.9	2882.6	4153.8	4414.3	5034.9	5140.3	5029.2	4888.3	3769.4
65°	381.5	417.1	623.5	1191.5	1910.3	2005.7	2333.1	2519.6	2673.3	2276.2	1402.2
67.5°	236.3	259.1	405.7	612.1	694.7	646.3	657.7	784.4	748.8	462.6	250.5
70°	175.1	193.6	317.4	424.2	280.4	216.4	146.6	156.6	140.9	123.8	122.4
72.5°	121.0	138.1	237.7	250.5	108.2	76.9	54.1	75.4	85.4	84.0	86.8
75°	79.7	92.5	149.5	98.2	27.0	21.4	18.5	39.9	51.2	51.2	52.7
77.5°	47.0	54.1	52.7	19.9	5.7	5.7	4.3	7.1	11.4	12.8	15.7
80°	5.7	4.3	2.8	2.8	2.8	2.8	2.8	2.8	4.3	4.3	4.3
82.5°	1.4	1.4	1.4	2.8	2.8	2.8	2.8	2.8	2.8	4.3	4.3
85°	0.0	0.0	1.4	1.4	2.8	2.8	2.8	2.8	2.8	4.3	4.3
87.5°	0.0	0.0	1.4	1.4	2.8	2.8	2.8	2.8	2.8	4.3	4.3
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: P637345
 CATALOG NUMBER: GWS-SA4C-750-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5	2986.5
2.5°	3015.0	3005.0	3046.3	3076.2	3100.4	3111.8	3096.1	3094.7	3094.7	3063.4	3054.8
5°	3050.6	3054.8	3113.2	3138.8	3143.1	3128.9	3093.3	3069.1	3054.8	3022.1	3003.6
7.5°	3118.9	3133.1	3188.7	3184.4	3145.9	3080.5	2986.5	2913.9	2866.9	2815.7	2784.4
10°	3217.1	3244.2	3278.3	3218.5	3096.1	2929.6	2736.0	2597.9	2515.3	2457.0	2421.4
12.5°	3336.7	3363.7	3352.4	3211.4	2956.6	2659.1	2410.0	2210.7	2115.3	2062.7	2025.6
15°	3457.7	3474.8	3400.8	3126.0	2710.4	2310.4	2032.8	1834.9	1718.2	1675.5	1644.1
17.5°	3581.5	3577.3	3409.3	2958.0	2381.5	1917.5	1644.1	1508.9	1476.2	1469.1	1466.2
20°	3711.1	3672.6	3375.1	2717.5	1985.8	1528.8	1373.7	1382.2	1442.0	1470.5	1476.2
22.5°	3859.1	3762.3	3289.7	2391.5	1581.5	1274.0	1289.7	1373.7	1454.8	1493.3	1499.0
25°	4017.1	3844.9	3147.4	1973.0	1247.0	1171.5	1264.1	1360.9	1447.7	1494.7	1500.4
27.5°	4121.1	3864.8	2913.9	1551.6	1070.5	1131.7	1229.9	1322.4	1412.1	1463.4	1470.5
30°	4233.5	3856.3	2596.5	1195.7	1010.7	1097.5	1182.9	1266.9	1349.5	1406.4	1412.1
32.5°	4398.6	3850.6	2209.3	970.8	986.5	1070.5	1133.1	1202.9	1259.8	1292.5	1288.3
35°	4615.0	3843.5	1758.0	875.5	972.3	1049.1	1098.9	1131.7	1069.1	1049.1	1053.4
37.5°	4892.6	3860.5	1378.0	835.6	968.0	1043.4	1086.1	992.2	895.4	858.4	852.7
40°	5200.1	3904.7	1050.5	819.9	982.2	1057.7	1037.7	882.6	763.0	690.4	674.7
42.5°	5509.0	3953.1	831.3	814.2	1006.4	1097.5	958.0	802.9	623.5	582.2	576.5
45°	5738.2	3944.5	718.9	804.3	1027.8	1120.3	936.7	689.0	556.6	538.1	539.5
47.5°	5853.5	3850.6	657.7	781.5	1036.3	1097.5	884.0	642.0	511.0	531.0	548.0
50°	5792.2	3607.2	600.7	737.4	1017.8	1067.6	800.0	606.4	488.3	570.8	609.3
52.5°	5718.2	3308.2	538.1	669.0	973.7	1026.3	767.3	596.4	474.0	550.9	579.4
55°	5816.4	3118.9	435.6	563.7	886.8	929.5	741.6	595.0	441.3	428.5	424.2
57.5°	5678.4	2741.7	311.7	405.7	680.4	736.0	723.1	585.1	391.5	390.0	395.7
60°	4388.7	1672.6	213.5	257.7	417.1	469.8	656.2	559.4	337.4	310.3	311.7
62.5°	2494.0	711.8	146.6	159.4	213.5	253.4	501.1	508.2	311.7	296.1	311.7
65°	868.3	254.8	113.9	106.8	118.2	135.2	287.5	392.9	283.3	256.2	259.1
67.5°	179.4	126.7	101.1	88.3	88.3	88.3	146.6	244.8	233.5	203.6	206.4
70°	113.9	108.2	88.3	75.4	72.6	66.9	84.0	135.2	160.9	148.0	149.5
72.5°	84.0	82.6	69.8	61.2	54.1	48.4	52.7	66.9	82.6	85.4	86.8
75°	51.2	52.7	45.6	38.4	34.2	29.9	31.3	31.3	31.3	28.5	31.3
77.5°	15.7	17.1	14.2	11.4	10.0	10.0	10.0	8.5	7.1	4.3	4.3
80°	4.3	4.3	4.3	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0
82.5°	4.3	4.3	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0	0.0
85°	4.3	4.3	4.3	4.3	2.8	2.8	1.4	1.4	0.0	0.0	0.0
87.5°	4.3	4.3	4.3	4.3	2.8	2.8	1.4	1.4	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)