

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: P636357

Luminaire Tested: GWS-SA3F-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19579.1 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

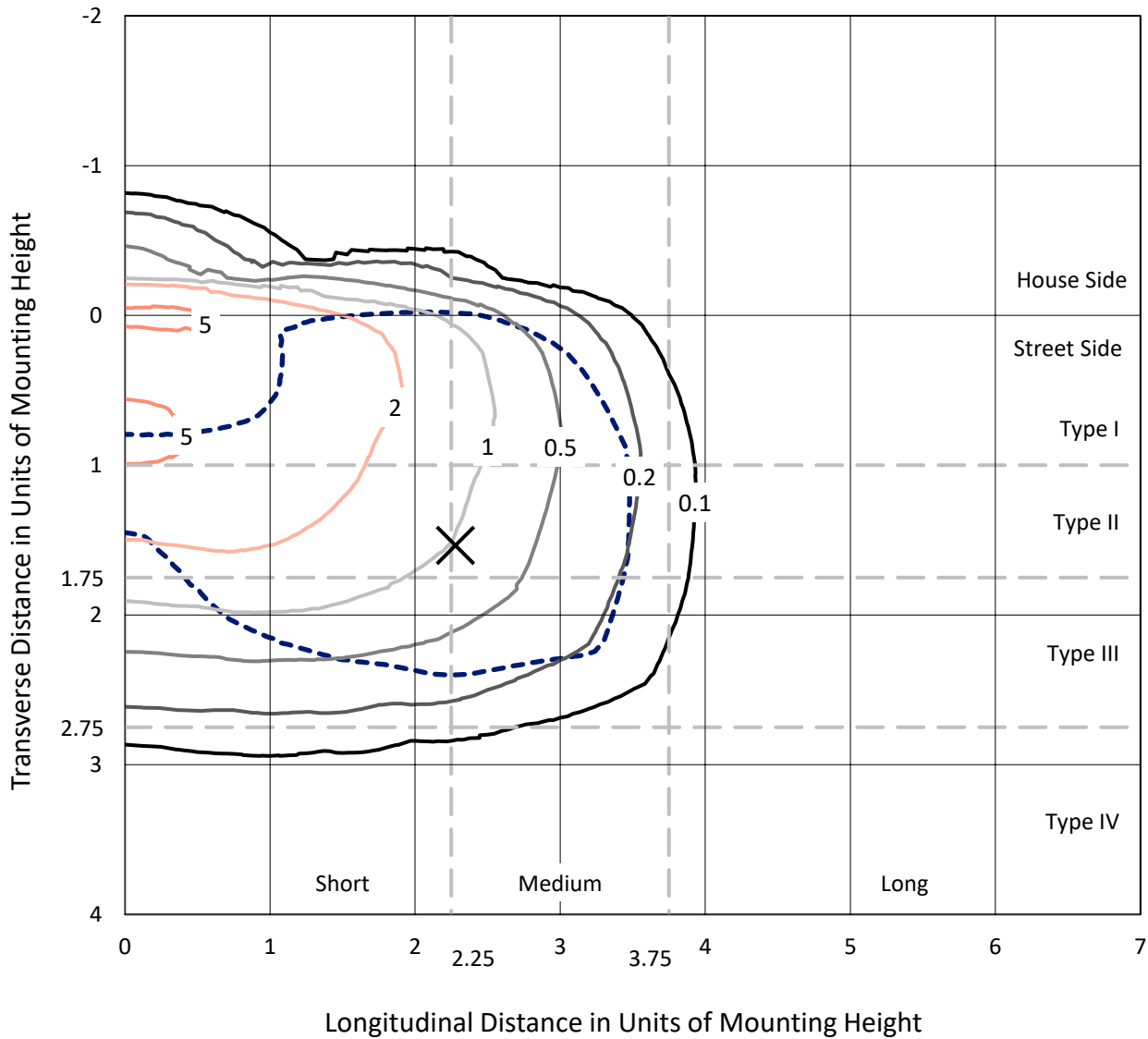
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636357
 CATALOG NUMBER: GWS-SA3F-750-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

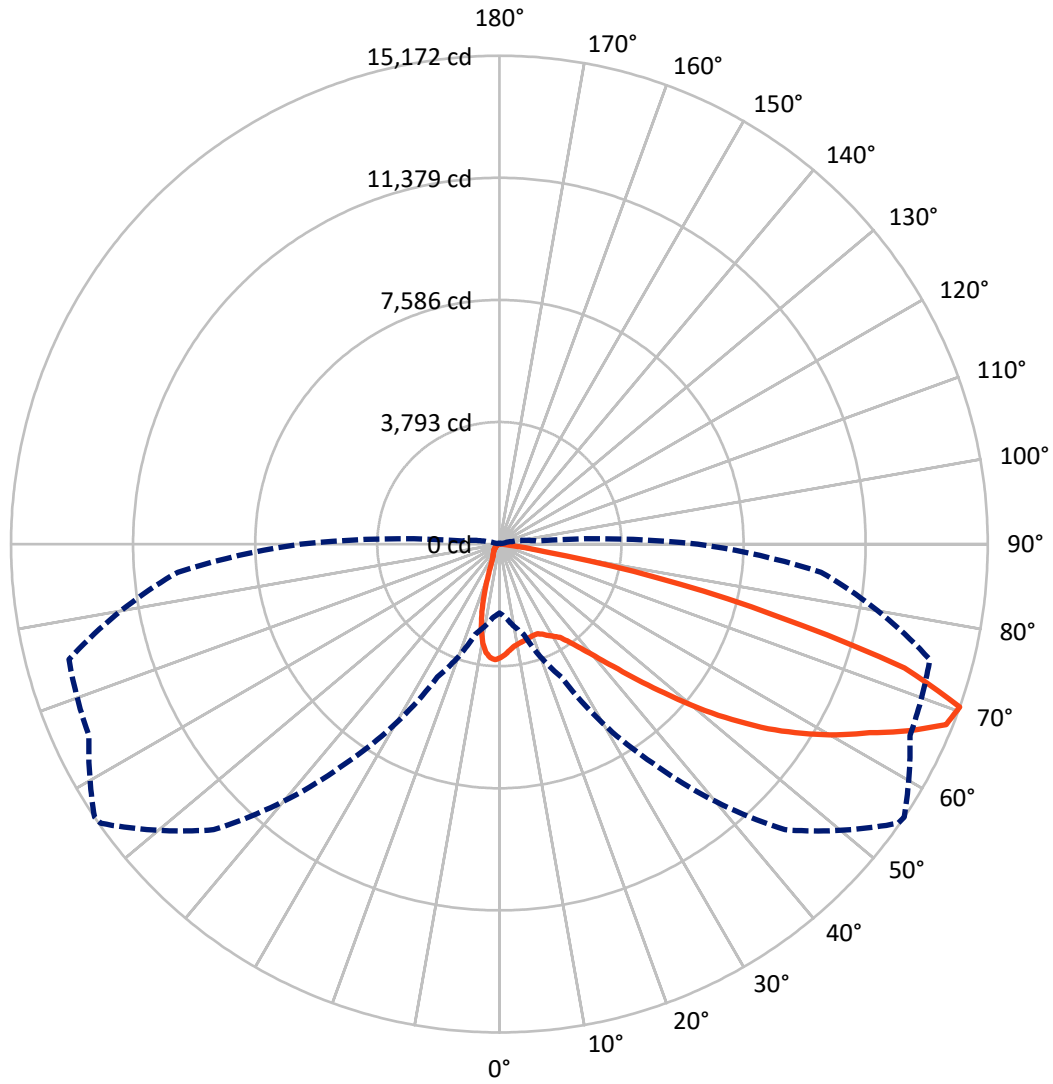
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type III - Medium - N/A

REPORT NUMBER: P636357
CATALOG NUMBER: GWS-SA3F-750-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P636357
 CATALOG NUMBER: GWS-SA3F-750-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1758.6	0.0	1758.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	17820.5	0.0	17820.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	19579.1	0.0	19579.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.1	1.5
10°-20°	681.7	3.5
20°-30°	1079.9	5.5
30°-40°	1862.2	9.5
40°-50°	3144.6	16.1
50°-60°	4620.5	23.6
60°-70°	5477.8	28.0
70°-80°	2336.0	11.9
80°-90°	73.4	0.4
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°	19579.1	100.0
0°-180°	19579.1	100.0

Coefficient of Utilization



REPORT NUMBER: P636357

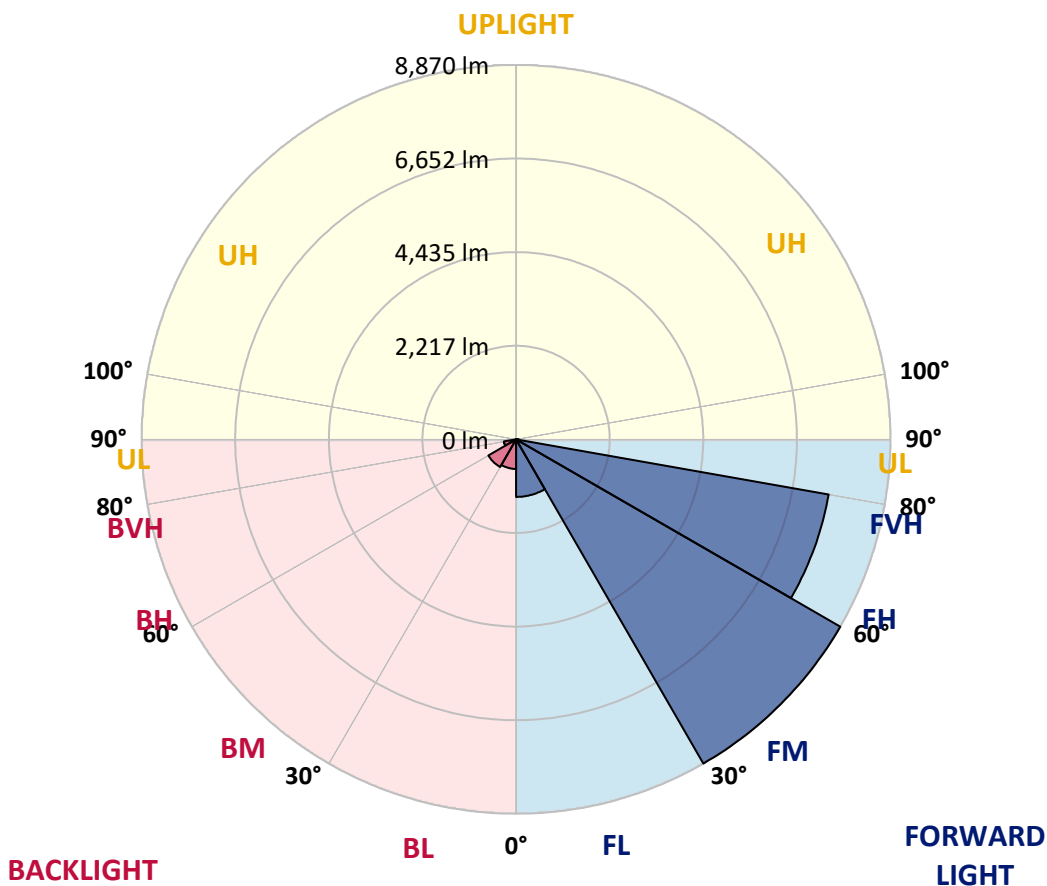
CATALOG NUMBER: GWS-SA3F-750-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1364.3	7.0			
FM (30°-60°)	8869.9	45.3			
FH (60°-80°)	7520.5	38.4			G4/12000
FVH (80°-90°)	65.9	0.3			G1/100
BL (0°-30°)	700.4	3.6	B2/1000		
BM (30°-60°)	757.4	3.9	B1/1000		
BH (60°-80°)	293.3	1.5	B1/500		G1/500
BVH (80°-90°)	7.5	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-G4

Type III Medium





REPORT NUMBER: P636357

CATALOG NUMBER: GWS-SA3F-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3
2.5°	3286.5	3281.1	3284.7	3311.6	3361.8	3385.1	3424.5	3431.7	3464.0	3505.2	3521.3
5°	3073.1	3055.2	3064.1	3101.8	3159.2	3223.7	3297.2	3316.9	3397.6	3489.1	3557.2
7.5°	2877.7	2858.0	2879.5	2938.6	3019.3	3089.2	3198.6	3211.2	3340.3	3501.6	3625.3
10°	2571.1	2576.5	2619.5	2723.5	2847.2	2992.4	3139.4	3157.4	3316.9	3542.9	3734.7
12.5°	2336.2	2323.7	2370.3	2488.6	2662.5	2874.1	3094.6	3117.9	3318.7	3605.6	3874.6
15°	2226.8	2223.3	2243.0	2329.0	2497.6	2746.8	3053.4	3083.9	3342.0	3663.0	4007.2
17.5°	2230.4	2225.0	2223.3	2273.5	2399.0	2651.8	3008.6	3048.0	3361.8	3725.7	4147.1
20°	2386.4	2361.3	2316.5	2293.2	2368.5	2590.8	2978.1	3022.9	3390.5	3792.1	4295.9
22.5°	2712.7	2721.7	2601.6	2476.1	2440.2	2598.0	2974.5	3026.5	3453.2	3896.1	4478.8
25°	3365.4	3351.0	3128.7	2847.2	2651.8	2680.5	3037.2	3100.0	3576.9	4044.9	4650.9
27.5°	4182.9	4195.5	3890.7	3442.5	3033.7	2850.8	3152.0	3214.8	3720.4	4138.1	4765.6
30°	5074.0	5061.5	4735.2	4238.5	3575.1	3134.1	3266.7	3322.3	3792.1	4188.3	4884.0
32.5°	5916.7	5888.0	5565.3	5045.3	4265.4	3580.5	3424.5	3456.8	3887.1	4297.7	5043.6
35°	6635.7	6633.9	6352.4	5798.4	4975.4	4139.9	3695.3	3722.2	4064.6	4471.6	5278.4
37.5°	7378.0	7352.9	7037.3	6531.7	5705.2	4753.1	4109.4	4098.7	4344.3	4728.0	5567.1
40°	7987.6	7971.4	7729.4	7243.5	6463.6	5430.8	4611.5	4579.2	4676.0	5083.0	5968.7
42.5°	8439.4	8441.2	8365.9	8070.0	7266.8	6214.3	5242.6	5192.4	5190.6	5619.1	6499.4
45°	8781.8	8805.2	8918.1	8873.3	8215.3	7127.0	6051.2	5999.2	5911.3	6314.8	7107.2
47.5°	8941.4	8971.9	9312.6	9491.9	9045.4	8032.4	7014.0	6904.6	6732.5	7239.9	7786.8
50°	8925.3	8979.1	9454.2	9999.3	9798.4	8950.4	8062.9	8010.9	7729.4	8218.9	8459.1
52.5°	8559.5	8674.3	9463.2	10307.6	10377.6	9796.7	9147.6	9050.8	8914.5	9240.8	9090.2
55°	7566.2	7706.1	9084.9	10406.3	10829.4	10535.3	10209.0	10130.1	9904.2	10205.4	9640.7
57.5°	7026.6	7146.7	8288.8	10357.8	11213.1	11218.5	11153.9	11089.4	10902.9	11159.3	10286.1
60°	6702.0	6822.2	7863.9	10180.3	11560.9	11939.2	12041.4	12034.2	11765.3	12244.0	11042.7
62.5°	6226.9	6391.8	7421.0	9719.6	11808.3	12649.2	12957.6	12909.2	12609.8	13373.6	11792.2
65°	5267.7	5411.1	6513.8	8959.3	11663.1	13237.3	13950.9	13976.0	13630.0	14436.8	12383.9
67.5°	3693.5	3799.3	4894.7	7363.6	10677.0	13431.0	14967.5	14965.7	14375.8	14981.8	12122.1
70°	2140.8	2286.0	2892.0	4552.3	8306.7	12550.6	15119.9	15171.9	14072.8	13843.3	10031.5
72.5°	828.3	948.5	1638.8	2418.7	4331.8	9613.8	13006.0	13158.4	11777.9	10678.8	6981.7
75°	247.4	276.1	771.0	1287.3	1739.2	4643.7	8805.2	8848.2	8079.0	6660.8	3578.7
77.5°	184.7	204.4	337.1	650.8	609.6	1407.5	4555.9	4975.4	4288.7	2379.2	986.1
80°	125.5	148.8	240.3	317.4	225.9	374.7	1280.2	1405.7	1308.8	534.3	247.4
82.5°	55.6	71.7	170.3	159.6	82.5	107.6	394.4	419.5	270.7	161.4	86.1
85°	5.4	7.2	64.5	69.9	30.5	25.1	82.5	82.5	59.2	55.6	35.9
87.5°	0.0	0.0	1.8	3.6	3.6	5.4	7.2	9.0	10.8	14.3	17.9
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: P636357
 CATALOG NUMBER: GWS-SA3F-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3	3530.3
2.5°	3562.6	3541.1	3568.0	3589.5	3594.9	3555.4	3532.1	3498.0	3490.9	3492.7	3483.7
5°	3611.0	3600.2	3620.0	3596.6	3535.7	3420.9	3322.3	3213.0	3153.8	3119.7	3116.1
7.5°	3700.6	3695.3	3673.7	3568.0	3377.9	3123.3	2877.7	2637.4	2488.6	2434.8	2425.9
10°	3833.3	3822.6	3734.7	3483.7	3078.5	2589.0	2176.6	1832.4	1622.6	1561.7	1486.4
12.5°	3985.7	3964.2	3772.4	3302.6	2626.7	1948.9	1434.4	1048.9	867.8	814.0	814.0
15°	4132.7	4086.1	3750.8	3003.2	2070.9	1267.6	801.4	606.0	550.4	536.1	536.1
17.5°	4283.3	4193.7	3666.6	2594.4	1430.8	749.5	534.3	496.6	489.5	491.3	493.1
20°	4425.0	4285.1	3517.8	2103.1	912.6	523.5	478.7	469.8	466.2	469.8	468.0
22.5°	4579.2	4369.4	3291.8	1567.0	593.5	471.5	455.4	448.2	444.7	450.0	450.0
25°	4731.6	4430.4	2992.4	1054.3	471.5	439.3	430.3	423.1	419.5	421.3	421.3
27.5°	4810.5	4407.1	2599.8	672.4	423.1	407.0	398.0	389.1	383.7	381.9	383.7
30°	4864.3	4335.3	2119.3	478.7	383.7	364.0	355.0	347.8	333.5	324.5	328.1
32.5°	4948.5	4263.6	1597.5	401.6	351.4	320.9	306.6	288.7	268.9	260.0	260.0
35°	5048.9	4165.0	1120.6	362.2	317.4	285.1	258.2	227.7	204.4	197.2	197.2
37.5°	5181.6	4071.8	745.9	335.3	288.7	254.6	216.9	181.1	156.0	152.4	150.6
40°	5380.6	3992.9	525.3	315.6	263.6	222.3	177.5	139.8	121.9	116.5	116.5
42.5°	5638.8	3912.2	416.0	295.8	242.0	191.8	141.6	111.2	96.8	93.2	91.4
45°	5958.0	3817.2	362.2	277.9	220.5	159.6	113.0	93.2	82.5	78.9	78.9
47.5°	6304.0	3688.1	337.1	254.6	195.4	129.1	95.0	80.7	75.3	73.5	71.7
50°	6644.7	3514.2	315.6	233.1	166.7	105.8	82.5	73.5	69.9	68.1	68.1
52.5°	6942.3	3311.6	288.7	208.0	136.3	91.4	73.5	68.1	64.5	61.0	59.2
55°	7196.9	3091.0	254.6	179.3	111.2	80.7	68.1	62.8	59.2	55.6	53.8
57.5°	7525.0	2965.5	204.4	145.2	91.4	71.7	62.8	57.4	53.8	48.4	48.4
60°	7889.0	2874.1	152.4	114.7	78.9	66.3	57.4	52.0	48.4	43.0	43.0
62.5°	8181.2	2737.8	120.1	93.2	68.1	59.2	52.0	46.6	43.0	37.7	37.7
65°	8292.4	2456.3	98.6	73.5	55.6	52.0	46.6	43.0	37.7	32.3	32.3
67.5°	7790.3	1893.3	82.5	59.2	46.6	44.8	41.2	39.4	32.3	28.7	26.9
70°	6169.5	1154.7	68.1	48.4	39.4	37.7	37.7	34.1	28.7	26.9	25.1
72.5°	4227.8	595.3	55.6	39.4	34.1	34.1	32.3	30.5	26.9	25.1	25.1
75°	2196.4	199.0	43.0	30.5	26.9	28.7	28.7	26.9	25.1	25.1	23.3
77.5°	629.3	89.6	32.3	23.3	21.5	21.5	23.3	23.3	23.3	21.5	21.5
80°	163.2	52.0	23.3	17.9	17.9	17.9	17.9	19.7	21.5	19.7	19.7
82.5°	66.3	28.7	16.1	14.3	14.3	14.3	14.3	16.1	17.9	17.9	17.9
85°	41.2	14.3	12.6	12.6	12.6	10.8	10.8	12.6	12.6	14.3	14.3
87.5°	25.1	10.8	10.8	10.8	10.8	9.0	9.0	9.0	9.0	9.0	9.0
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)