

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: P636412

Luminaire Tested: GWS-SA3F-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636412
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19310.8 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

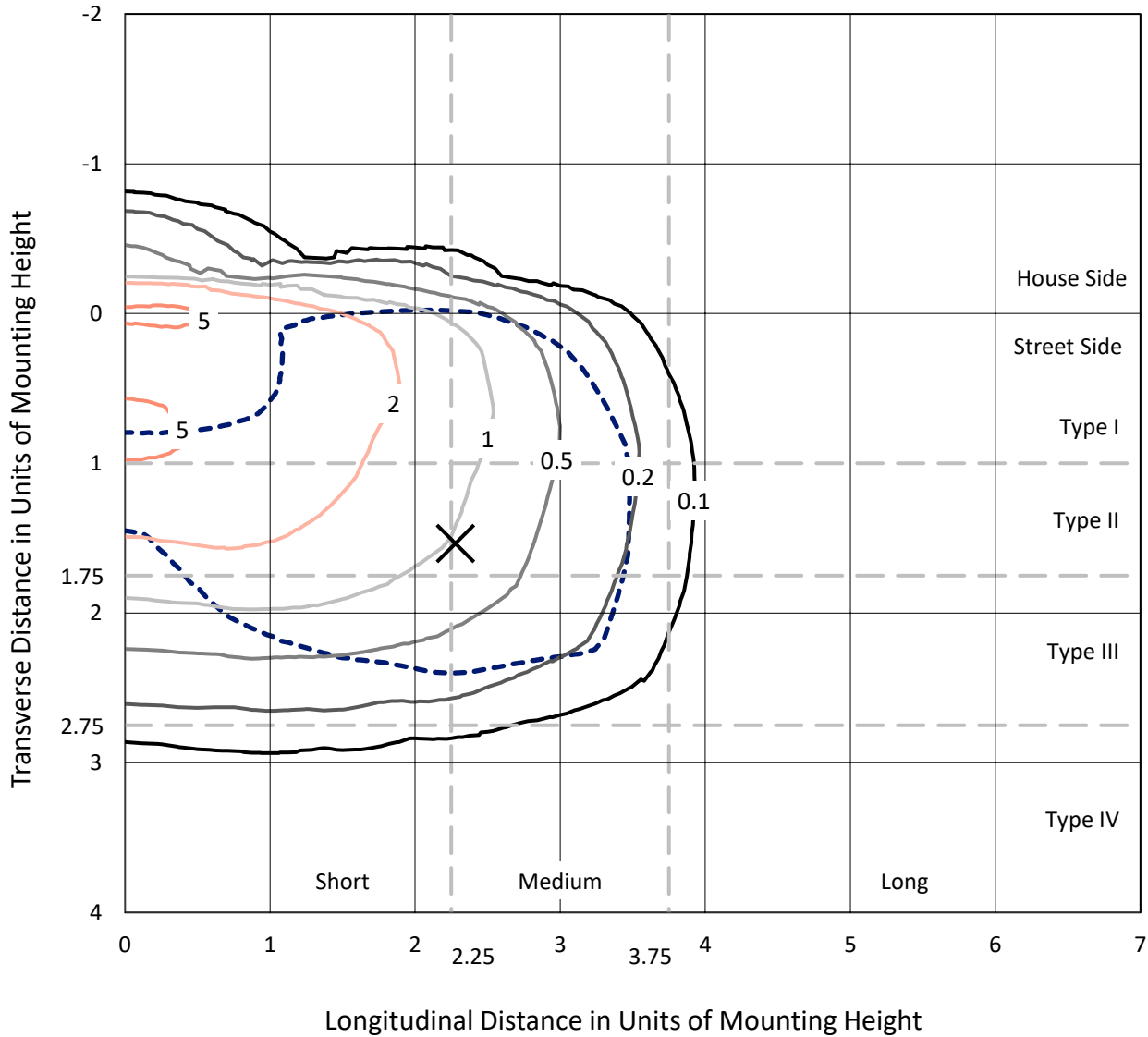
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636412
 CATALOG NUMBER: GWS-SA3F-760-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

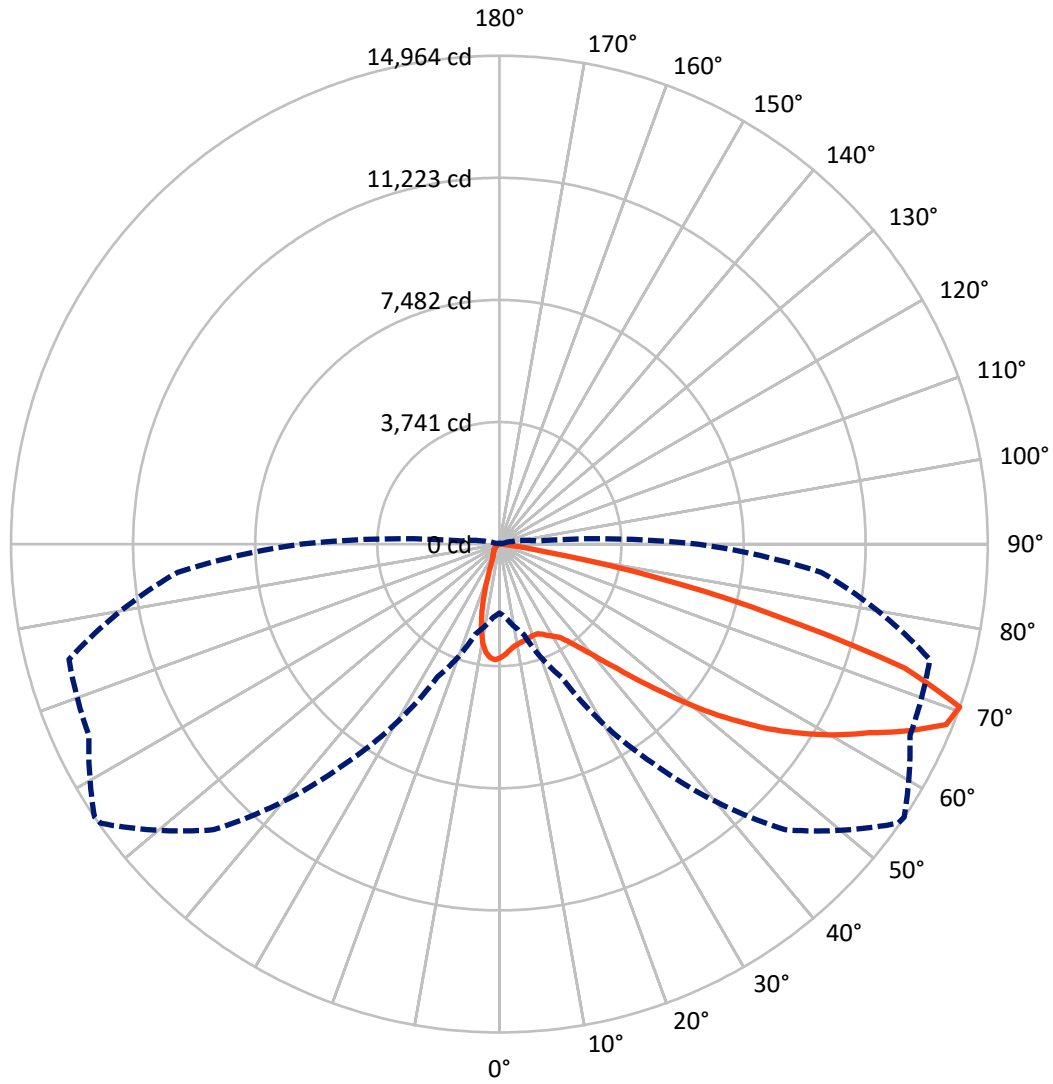
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P636412
CATALOG NUMBER: GWS-SA3F-760-U-T3R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636412
 CATALOG NUMBER: GWS-SA3F-760-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1734.5	0.0	1734.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	17576.3	0.0	17576.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	19310.8	0.0	19310.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.9	1.5
10°-20°	672.4	3.5
20°-30°	1065.1	5.5
30°-40°	1836.7	9.5
40°-50°	3101.5	16.1
50°-60°	4557.2	23.6
60°-70°	5402.8	28.0
70°-80°	2303.9	11.9
80°-90°	72.3	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°	19310.8	100.0
0°-180°	19310.8	100.0

Coefficient of Utilization



REPORT NUMBER: P636412

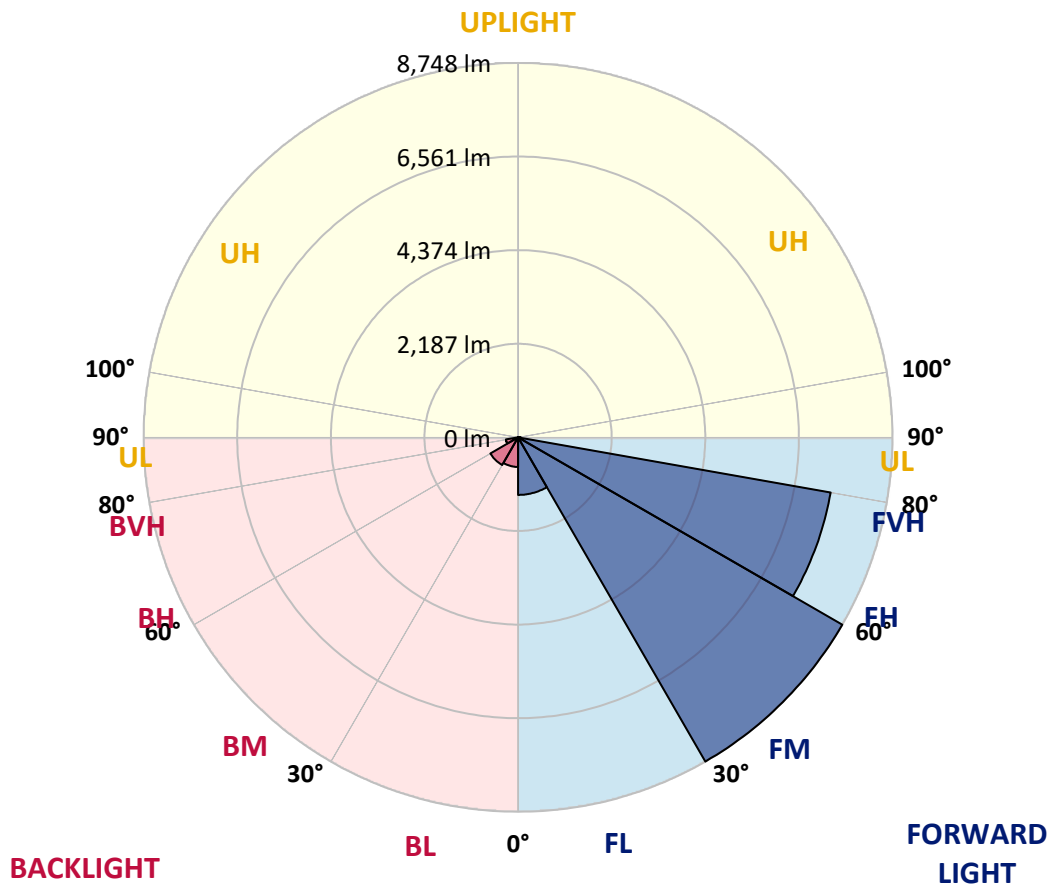
CATALOG NUMBER: GWS-SA3F-760-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1345.6	7.0			
FM (30°-60°)	8748.3	45.3			
FH (60°-80°)	7417.4	38.4			G3/7500
FVH (80°-90°)	65.0	0.3			G1/100
BL (0°-30°)	690.8	3.6	B2/1000		
BM (30°-60°)	747.1	3.9	B1/1000		
BH (60°-80°)	289.3	1.5	B1/500		G1/500
BVH (80°-90°)	7.3	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-G3

Type III Medium





REPORT NUMBER: P636412

CATALOG NUMBER: GWS-SA3F-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9
2.5°	3241.4	3236.1	3239.7	3266.2	3315.7	3338.7	3377.6	3384.7	3416.5	3457.2	3473.1
5°	3031.0	3013.3	3022.2	3059.3	3115.9	3179.5	3252.0	3271.5	3351.1	3441.3	3508.5
7.5°	2838.2	2818.8	2840.0	2898.4	2977.9	3046.9	3154.8	3167.2	3294.5	3453.6	3575.7
10°	2535.9	2541.2	2583.6	2686.2	2808.2	2951.4	3096.4	3114.1	3271.5	3494.3	3683.5
12.5°	2304.2	2291.8	2337.8	2454.5	2626.0	2834.7	3052.2	3075.2	3273.3	3556.2	3821.5
15°	2196.3	2192.8	2212.2	2297.1	2463.3	2709.2	3011.5	3041.6	3296.3	3612.8	3952.3
17.5°	2199.9	2194.6	2192.8	2242.3	2366.1	2615.4	2967.3	3006.2	3315.7	3674.7	4090.3
20°	2353.7	2329.0	2284.7	2261.8	2336.0	2555.3	2937.3	2981.5	3344.0	3740.1	4237.0
22.5°	2675.6	2684.4	2565.9	2442.1	2406.8	2562.4	2933.7	2985.0	3405.9	3842.7	4417.4
25°	3319.2	3305.1	3085.8	2808.2	2615.4	2643.7	2995.6	3057.5	3527.9	3989.5	4587.2
27.5°	4125.6	4138.0	3837.4	3395.3	2992.1	2811.7	3108.8	3170.7	3669.4	4081.4	4700.3
30°	5004.5	4992.1	4670.3	4180.4	3526.1	3091.1	3222.0	3276.8	3740.1	4130.9	4817.1
32.5°	5835.6	5807.3	5489.0	4976.2	4207.0	3531.4	3377.6	3409.4	3833.8	4238.8	4974.4
35°	6544.8	6543.0	6265.4	5718.9	4907.2	4083.2	3644.6	3671.1	4008.9	4410.3	5206.1
37.5°	7276.9	7252.1	6940.9	6442.2	5627.0	4688.0	4053.1	4042.5	4284.8	4663.2	5490.8
40°	7878.1	7862.2	7623.5	7144.2	6375.0	5356.4	4548.3	4516.4	4611.9	5013.3	5886.9
42.5°	8323.7	8325.5	8251.2	7959.5	7167.2	6129.2	5170.7	5121.2	5119.4	5542.1	6410.4
45°	8661.5	8684.5	8795.9	8751.7	8102.7	7029.3	5968.3	5917.0	5830.3	6228.2	7009.8
47.5°	8818.9	8849.0	9184.9	9361.8	8921.5	7922.3	6917.9	6810.0	6640.3	7140.7	7680.1
50°	8803.0	8856.0	9324.6	9862.2	9664.2	8827.7	7952.4	7901.1	7623.5	8106.2	8343.2
52.5°	8442.2	8555.4	9333.5	10166.4	10235.4	9662.4	9022.3	8926.8	8792.4	9114.2	8965.7
55°	7462.5	7600.5	8960.4	10263.7	10681.0	10391.0	10069.1	9991.3	9768.5	10065.6	9508.6
57.5°	6930.3	7048.7	8175.2	10215.9	11059.4	11064.7	11001.1	10937.4	10753.5	11006.4	10145.2
60°	6610.2	6728.7	7756.1	10040.8	11402.5	11775.6	11876.4	11869.3	11604.1	12076.2	10891.4
62.5°	6141.6	6304.3	7319.3	9586.4	11646.5	12475.9	12780.1	12732.3	12437.0	13190.3	11630.6
65°	5195.5	5337.0	6424.5	8836.6	11503.3	13055.9	13759.7	13784.5	13443.2	14239.0	12214.2
67.5°	3642.9	3747.2	4827.7	7262.7	10530.7	13246.9	14762.4	14760.6	14178.8	14776.5	11956.0
70°	2111.4	2254.7	2852.4	4489.9	8192.9	12378.6	14912.7	14964.0	13880.0	13653.6	9894.1
72.5°	817.0	935.5	1616.3	2385.5	4272.4	9482.0	12827.8	12978.1	11616.5	10532.4	6886.1
75°	244.0	272.3	760.4	1269.7	1715.3	4580.1	8684.5	8726.9	7968.3	6569.5	3529.7
77.5°	182.1	201.6	332.5	641.9	601.2	1388.2	4493.4	4907.2	4230.0	2346.6	972.6
80°	123.8	146.8	237.0	313.0	222.8	369.6	1262.6	1386.4	1290.9	527.0	244.0
82.5°	54.8	70.7	168.0	157.4	81.3	106.1	389.0	413.8	267.0	159.2	84.9
85°	5.3	7.1	63.7	69.0	30.1	24.8	81.3	81.3	58.4	54.8	35.4
87.5°	0.0	0.0	1.8	3.5	3.5	5.3	7.1	8.8	10.6	14.1	17.7
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: P636412

CATALOG NUMBER: GWS-SA3F-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9
2.5°	3513.8	3492.5	3519.1	3540.3	3545.6	3506.7	3483.7	3450.1	3443.0	3444.8	3436.0
5°	3561.5	3550.9	3570.4	3547.4	3487.2	3374.1	3276.8	3168.9	3110.6	3077.0	3073.4
7.5°	3649.9	3644.6	3623.4	3519.1	3331.6	3080.5	2838.2	2601.3	2454.5	2401.5	2392.6
10°	3780.8	3770.2	3683.5	3436.0	3036.3	2553.5	2146.8	1807.3	1600.4	1540.3	1466.0
12.5°	3931.1	3909.9	3720.7	3257.3	2590.7	1922.2	1414.7	1034.5	855.9	802.8	802.8
15°	4076.1	4030.1	3699.4	2962.0	2042.5	1250.2	790.5	597.7	542.9	528.7	528.7
17.5°	4224.6	4136.2	3616.3	2558.8	1411.2	739.2	527.0	489.8	482.8	484.5	486.3
20°	4364.4	4226.4	3469.6	2074.3	900.1	516.4	472.2	463.3	459.8	463.3	461.5
22.5°	4516.4	4309.5	3246.7	1545.6	585.3	465.1	449.2	442.1	438.6	443.9	443.9
25°	4666.7	4369.7	2951.4	1039.8	465.1	433.3	424.4	417.3	413.8	415.6	415.6
27.5°	4744.6	4346.7	2564.1	663.1	417.3	401.4	392.6	383.7	378.4	376.7	378.4
30°	4797.6	4275.9	2090.2	472.2	378.4	359.0	350.1	343.1	328.9	320.1	323.6
32.5°	4880.7	4205.2	1575.6	396.1	346.6	316.5	302.4	284.7	265.3	256.4	256.4
35°	4979.7	4107.9	1105.2	357.2	313.0	281.2	254.6	224.6	201.6	194.5	194.5
37.5°	5110.6	4016.0	735.6	330.7	284.7	251.1	214.0	178.6	153.8	150.3	148.5
40°	5306.9	3938.2	518.1	311.2	260.0	219.3	175.1	137.9	120.2	114.9	114.9
42.5°	5561.5	3858.6	410.3	291.8	238.7	189.2	139.7	109.6	95.5	92.0	90.2
45°	5876.3	3764.9	357.2	274.1	217.5	157.4	111.4	92.0	81.3	77.8	77.8
47.5°	6217.6	3637.5	332.5	251.1	192.8	127.3	93.7	79.6	74.3	72.5	70.7
50°	6553.6	3466.0	311.2	229.9	164.5	104.3	81.3	72.5	69.0	67.2	67.2
52.5°	6847.2	3266.2	284.7	205.1	134.4	90.2	72.5	67.2	63.7	60.1	58.4
55°	7098.3	3048.7	251.1	176.8	109.6	79.6	67.2	61.9	58.4	54.8	53.1
57.5°	7421.9	2924.9	201.6	143.2	90.2	70.7	61.9	56.6	53.1	47.7	47.7
60°	7780.9	2834.7	150.3	113.2	77.8	65.4	56.6	51.3	47.7	42.4	42.4
62.5°	8069.1	2700.3	118.5	92.0	67.2	58.4	51.3	46.0	42.4	37.1	37.1
65°	8178.7	2422.7	97.3	72.5	54.8	51.3	46.0	42.4	37.1	31.8	31.8
67.5°	7683.6	1867.4	81.3	58.4	46.0	44.2	40.7	38.9	31.8	28.3	26.5
70°	6085.0	1138.8	67.2	47.7	38.9	37.1	37.1	33.6	28.3	26.5	24.8
72.5°	4169.8	587.1	54.8	38.9	33.6	33.6	31.8	30.1	26.5	24.8	24.8
75°	2166.3	196.3	42.4	30.1	26.5	28.3	28.3	26.5	24.8	24.8	23.0
77.5°	620.7	88.4	31.8	23.0	21.2	21.2	23.0	23.0	23.0	21.2	21.2
80°	160.9	51.3	23.0	17.7	17.7	17.7	17.7	19.5	21.2	19.5	19.5
82.5°	65.4	28.3	15.9	14.1	14.1	14.1	14.1	15.9	17.7	17.7	17.7
85°	40.7	14.1	12.4	12.4	12.4	10.6	10.6	12.4	12.4	14.1	14.1
87.5°	24.8	10.6	10.6	10.6	10.6	8.8	8.8	8.8	8.8	8.8	8.8
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)