

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: P634735

Luminaire Tested: GWS-SA3C-735-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634735  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-735-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

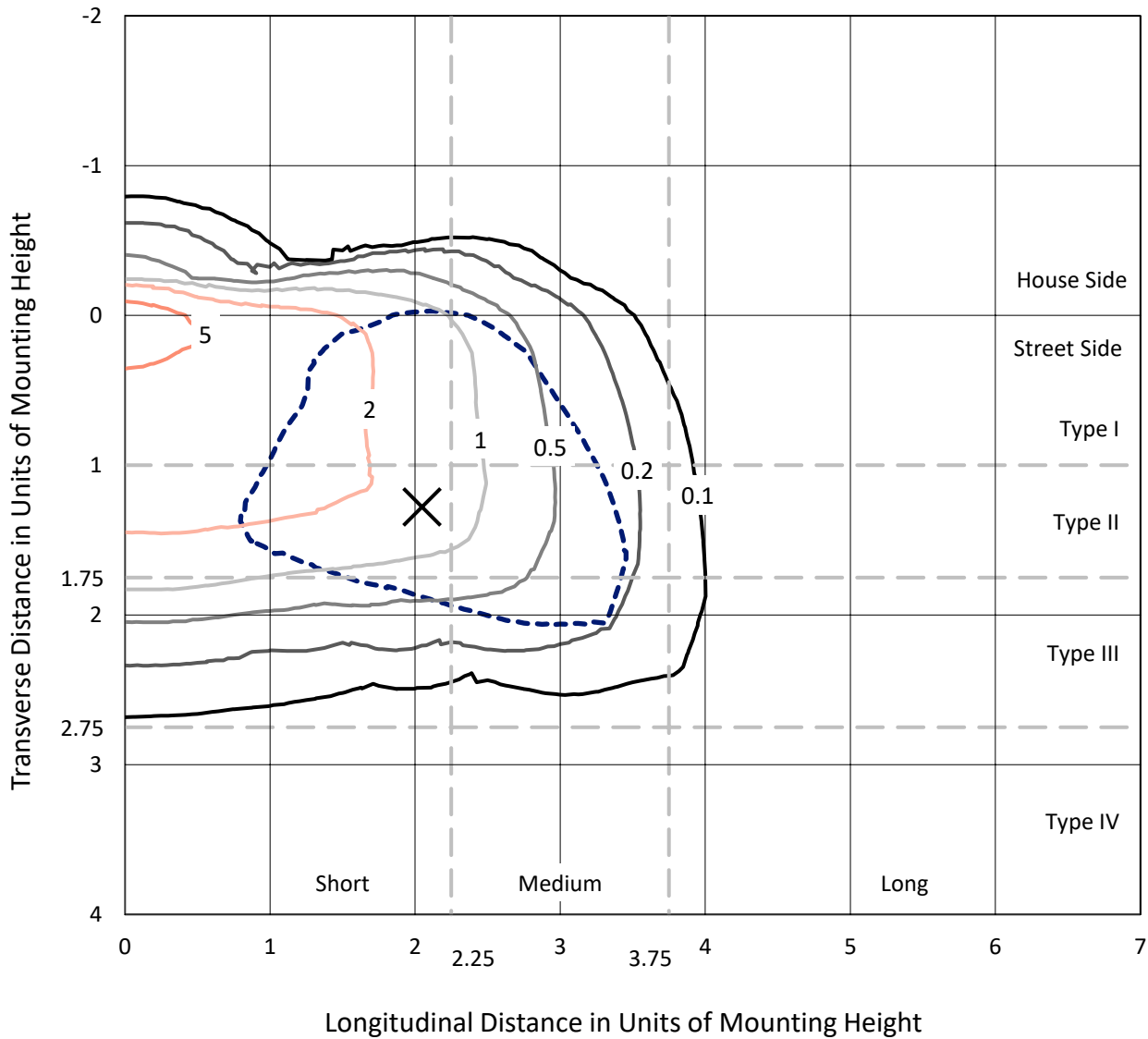
Lumens per Lamp: N/A  
Luminaire Lumens: 11143.2 lumens  
Efficiency: N/A  
Efficacy: 119.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

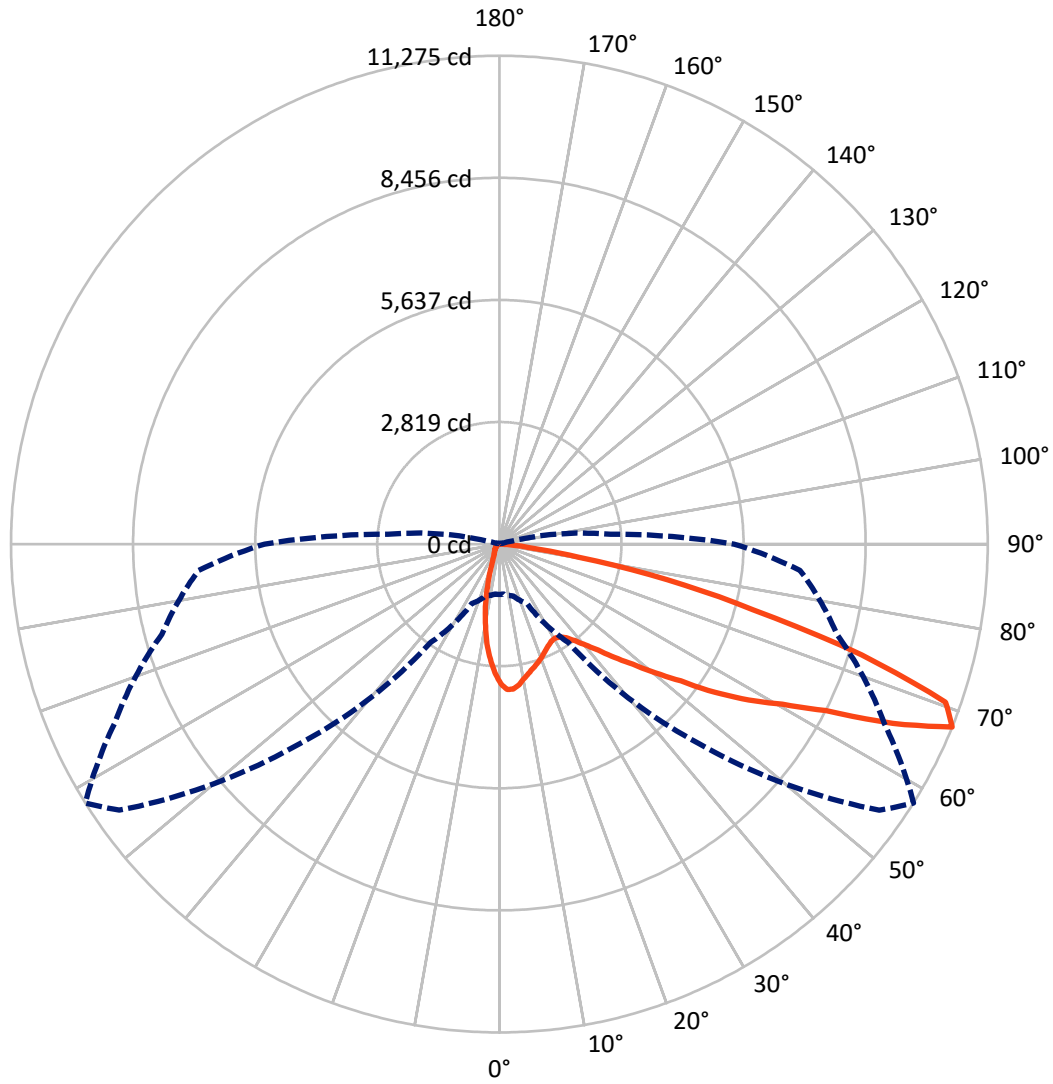
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 fc  
 Type III - Short - N/A

REPORT NUMBER: P634735  
CATALOG NUMBER: GWS-SA3C-735-U-SL3-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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 CATALOG NUMBER: GWS-SA3C-735-U-SL3-W-HSS

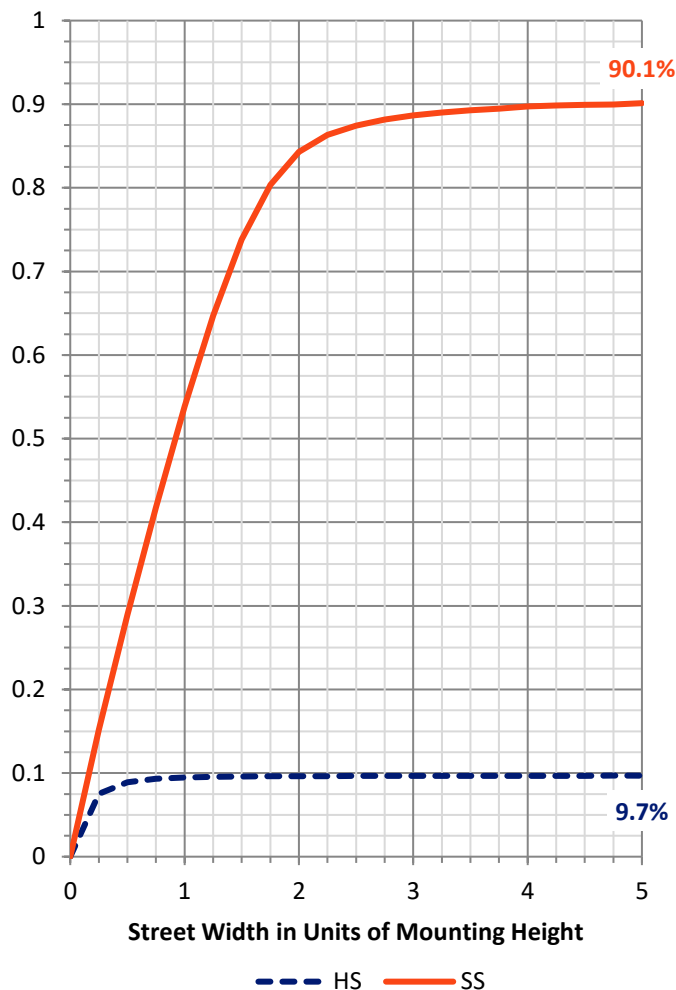
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1088.6	0.0	1088.6
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	10054.6	0.0	10054.6
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	11143.2	0.0	11143.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	261.2	2.3
10°-20°	543.7	4.9
20°-30°	733.2	6.6
30°-40°	1030.3	9.2
40°-50°	1591.2	14.3
50°-60°	2544.6	22.8
60°-70°	3013.0	27.0
70°-80°	1332.9	12.0
80°-90°	93.2	0.8
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°	11143.2	100.0
0°-180°	11143.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P634735

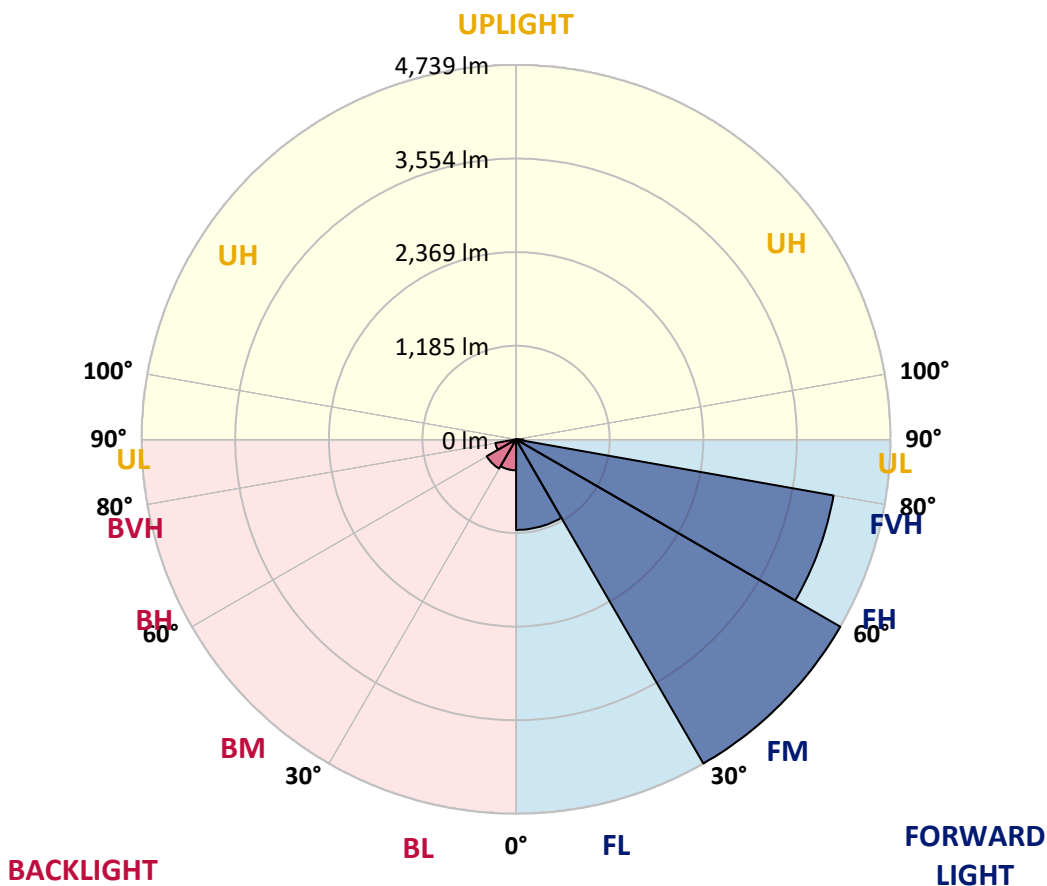
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.4	10.3			
FM (30°-60°)	4739.0	42.5			
FH (60°-80°)	4080.0	36.6			G2/5000
FVH (80°-90°)	89.2	0.8			G1/100
BL (0°-30°)	391.7	3.5	B1/500		
BM (30°-60°)	427.1	3.8	B1/1000		
BH (60°-80°)	265.8	2.4	B1/500		G1/500
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





REPORT NUMBER: P634735

CATALOG NUMBER: GWS-SA3C-735-U-SL3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2
2.5°	3380.9	3386.8	3394.7	3404.6	3402.6	3393.7	3382.9	3358.2	3342.4	3293.1	3233.0
5°	3272.4	3271.4	3291.2	3309.9	3343.4	3361.2	3385.8	3363.1	3355.3	3296.1	3198.4
7.5°	3060.4	3071.2	3093.9	3123.5	3171.8	3224.1	3283.3	3276.4	3300.0	3260.6	3139.3
10°	2852.3	2846.3	2881.9	2926.2	3000.2	3067.3	3153.1	3152.1	3214.2	3210.3	3072.2
12.5°	2669.8	2668.8	2696.4	2746.7	2833.5	2927.2	3043.6	3046.6	3123.5	3155.0	3015.0
15°	2515.9	2517.9	2544.6	2596.8	2686.6	2801.0	2936.1	2960.8	3047.5	3111.7	2958.8
17.5°	2406.5	2407.5	2423.2	2468.6	2556.4	2678.7	2841.4	2874.9	2986.4	3079.1	2913.4
20°	2356.2	2352.2	2355.2	2377.9	2445.9	2557.4	2744.8	2788.2	2930.2	3056.4	2872.0
22.5°	2363.1	2357.2	2343.4	2340.4	2371.0	2455.8	2642.2	2695.4	2869.0	3042.6	2834.5
25°	2424.2	2411.4	2391.7	2362.1	2350.3	2392.7	2552.4	2607.7	2811.8	3043.6	2805.9
27.5°	2517.9	2504.1	2479.5	2440.0	2393.7	2375.9	2491.3	2543.6	2771.4	3066.3	2792.1
30°	2637.3	2626.4	2602.7	2555.4	2493.3	2420.3	2478.5	2521.9	2751.7	3112.6	2798.0
32.5°	2778.3	2770.4	2750.7	2707.3	2636.3	2524.8	2521.9	2555.4	2767.4	3179.7	2820.7
35°	2914.4	2917.4	2918.3	2894.7	2818.7	2683.6	2641.2	2653.0	2832.5	3280.3	2872.0
37.5°	3061.4	3054.4	3090.0	3106.7	3033.7	2889.7	2825.6	2826.6	2956.8	3429.2	2968.6
40°	3172.8	3174.8	3251.7	3320.7	3290.2	3151.1	3059.4	3058.4	3148.1	3633.4	3124.5
42.5°	3277.3	3290.2	3403.6	3521.9	3564.3	3441.1	3375.0	3350.3	3416.4	3909.5	3358.2
45°	3388.8	3407.5	3566.3	3735.0	3846.4	3773.4	3721.2	3731.0	3738.9	4231.1	3672.8
47.5°	3519.0	3530.8	3727.1	3964.8	4172.9	4154.1	4157.1	4145.3	4141.3	4636.4	4089.0
50°	3676.8	3704.4	3930.2	4214.3	4498.3	4622.6	4664.0	4669.0	4604.8	5078.3	4520.0
52.5°	4012.1	4045.6	4238.9	4487.5	4853.4	5114.7	5283.4	5249.9	5151.2	5506.3	4992.4
55°	4407.6	4433.2	4619.6	4877.1	5287.3	5654.2	6054.7	6040.8	5799.2	5957.0	5381.0
57.5°	4445.1	4473.7	4762.7	5157.2	5844.6	6320.9	6742.1	6786.5	6432.4	6276.6	5728.2
60°	4023.9	4082.1	4476.6	5007.2	6057.6	7217.5	7495.6	7504.5	6896.9	6601.0	6152.3
62.5°	3225.1	3252.7	3650.1	4342.5	5729.2	7740.2	8646.5	8459.2	7493.6	7103.0	6823.9
65°	1690.4	1802.9	2149.1	2915.4	4646.3	7557.7	10031.3	9980.0	8566.7	7822.0	7346.7
67.5°	1159.8	1158.9	1240.7	1519.8	2770.4	6507.3	10710.8	11274.9	9807.4	8068.6	6967.9
70°	882.7	885.7	958.6	1140.1	1435.0	4331.7	9965.2	10929.7	10038.2	7325.9	5635.5
72.5°	585.8	591.8	713.1	921.2	1146.0	2123.4	7744.1	8745.2	8446.3	5884.0	3966.7
75°	350.1	355.1	441.8	669.7	1018.8	1188.4	4920.5	6045.8	5814.0	4055.5	2126.4
77.5°	144.0	147.9	226.8	417.2	745.6	923.1	2721.1	3955.9	3482.5	1612.5	580.9
80°	60.2	62.1	109.5	291.9	537.5	578.9	1260.4	1859.1	1427.1	347.2	177.5
82.5°	21.7	22.7	40.4	160.8	334.3	435.9	636.1	734.8	402.4	113.4	95.7
85°	1.0	1.0	9.9	54.2	127.2	123.3	363.9	352.1	133.1	47.3	57.2
87.5°	0.0	0.0	1.0	1.0	2.0	4.9	34.5	61.1	28.6	11.8	24.7
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: P634735

CATALOG NUMBER: GWS-SA3C-735-U-SL3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2	3214.2
2.5°	3193.5	3141.2	3084.0	3030.8	2946.0	2895.7	2833.5	2805.9	2766.5	2756.6	2762.5
5°	3128.4	3038.7	2901.6	2777.3	2616.5	2487.3	2357.2	2301.9	2230.9	2183.6	2163.9
7.5°	3036.7	2919.3	2705.3	2479.5	2258.5	2022.8	1843.3	1725.0	1617.5	1558.3	1546.5
10°	2944.0	2791.1	2484.4	2160.9	1818.7	1536.6	1294.0	1114.5	968.5	902.4	851.1
12.5°	2848.3	2658.0	2259.5	1837.4	1439.9	1055.3	755.5	580.9	476.4	434.9	441.8
15°	2760.5	2529.8	2036.6	1513.9	1013.9	637.1	417.2	352.1	327.4	319.5	318.6
17.5°	2676.7	2408.4	1814.7	1199.3	668.7	390.6	319.5	303.8	296.9	292.9	292.9
20°	2600.8	2292.1	1597.7	903.4	432.0	309.7	289.0	281.1	275.2	272.2	272.2
22.5°	2529.8	2179.6	1385.7	639.1	318.6	278.1	265.3	257.4	250.5	246.6	246.6
25°	2465.7	2078.1	1183.5	439.9	274.2	254.5	240.6	231.8	219.9	213.0	213.0
27.5°	2419.3	1987.3	989.2	320.5	247.6	228.8	213.0	201.2	188.4	180.5	178.5
30°	2391.7	1910.4	793.0	263.3	222.9	204.2	186.4	171.6	156.8	148.9	147.9
32.5°	2375.9	1839.4	613.5	229.8	202.2	180.5	160.8	145.0	130.2	121.3	120.3
35°	2381.8	1784.1	459.6	207.1	182.5	159.8	138.1	122.3	109.5	101.6	99.6
37.5°	2433.1	1759.5	345.2	189.4	165.7	142.0	119.3	104.5	92.7	86.8	85.8
40°	2532.7	1764.4	271.2	175.6	151.9	124.3	102.6	88.8	79.9	75.0	74.0
42.5°	2687.6	1805.8	223.9	163.7	137.1	108.5	88.8	77.9	69.0	64.1	63.1
45°	2918.3	1891.6	195.3	149.9	121.3	93.7	76.9	67.1	59.2	53.3	52.3
47.5°	3252.7	2040.6	176.5	137.1	107.5	80.9	66.1	56.2	49.3	44.4	43.4
50°	3608.7	2219.1	160.8	124.3	95.7	70.0	56.2	46.4	40.4	35.5	34.5
52.5°	3988.4	2411.4	148.9	112.4	84.8	60.2	47.3	38.5	32.5	27.6	26.6
55°	4353.4	2604.7	135.1	104.5	72.0	51.3	39.5	31.6	25.6	21.7	21.7
57.5°	4708.4	2782.2	120.3	91.7	59.2	43.4	32.5	25.6	20.7	17.8	16.8
60°	5132.5	3027.8	103.6	77.9	49.3	36.5	26.6	20.7	16.8	13.8	13.8
62.5°	5762.7	3283.3	88.8	65.1	41.4	30.6	21.7	16.8	13.8	11.8	10.8
65°	5968.8	3145.2	75.0	53.3	33.5	24.7	17.8	14.8	11.8	10.8	9.9
67.5°	5418.5	2578.1	62.1	43.4	27.6	20.7	15.8	12.8	10.8	9.9	8.9
70°	4228.1	1829.5	48.3	32.5	22.7	16.8	13.8	11.8	9.9	8.9	8.9
72.5°	2875.9	1081.9	38.5	24.7	18.7	14.8	11.8	10.8	9.9	8.9	7.9
75°	1416.3	384.6	29.6	18.7	14.8	12.8	10.8	9.9	8.9	7.9	7.9
77.5°	381.7	106.5	22.7	14.8	11.8	9.9	9.9	9.9	8.9	6.9	6.9
80°	129.2	44.4	16.8	10.8	9.9	7.9	6.9	8.9	7.9	6.9	5.9
82.5°	71.0	21.7	11.8	8.9	6.9	5.9	5.9	5.9	5.9	4.9	4.9
85°	45.4	11.8	7.9	6.9	6.9	4.9	3.9	3.9	3.0	3.0	3.0
87.5°	20.7	6.9	6.9	5.9	5.9	4.9	3.0	2.0	1.0	1.0	1.0
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)