

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: P636770

Luminaire Tested: GWS-SA4B-740-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636770
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-SA4B-740-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11723 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

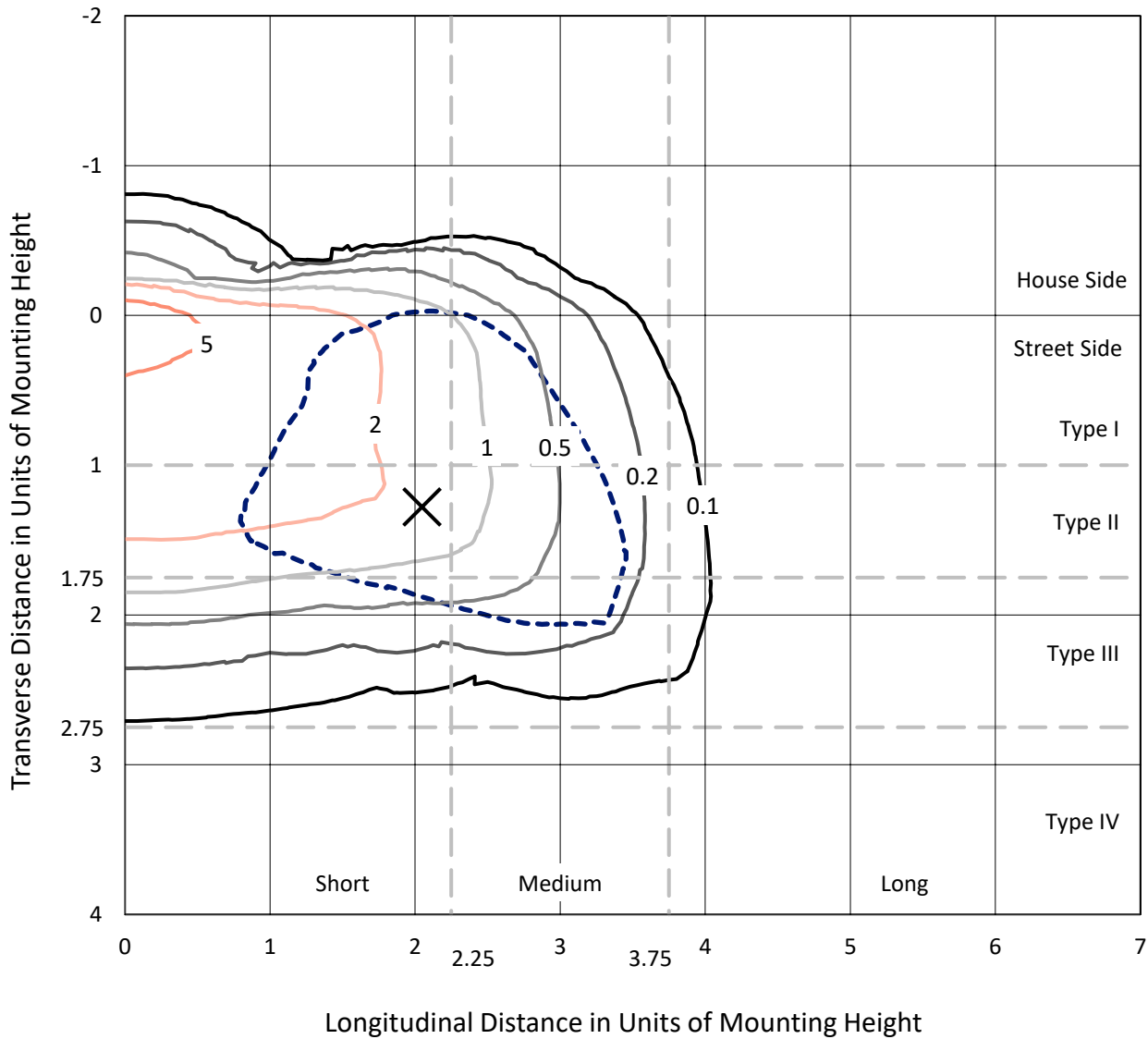
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636770
 CATALOG NUMBER: GWS-SA4B-740-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

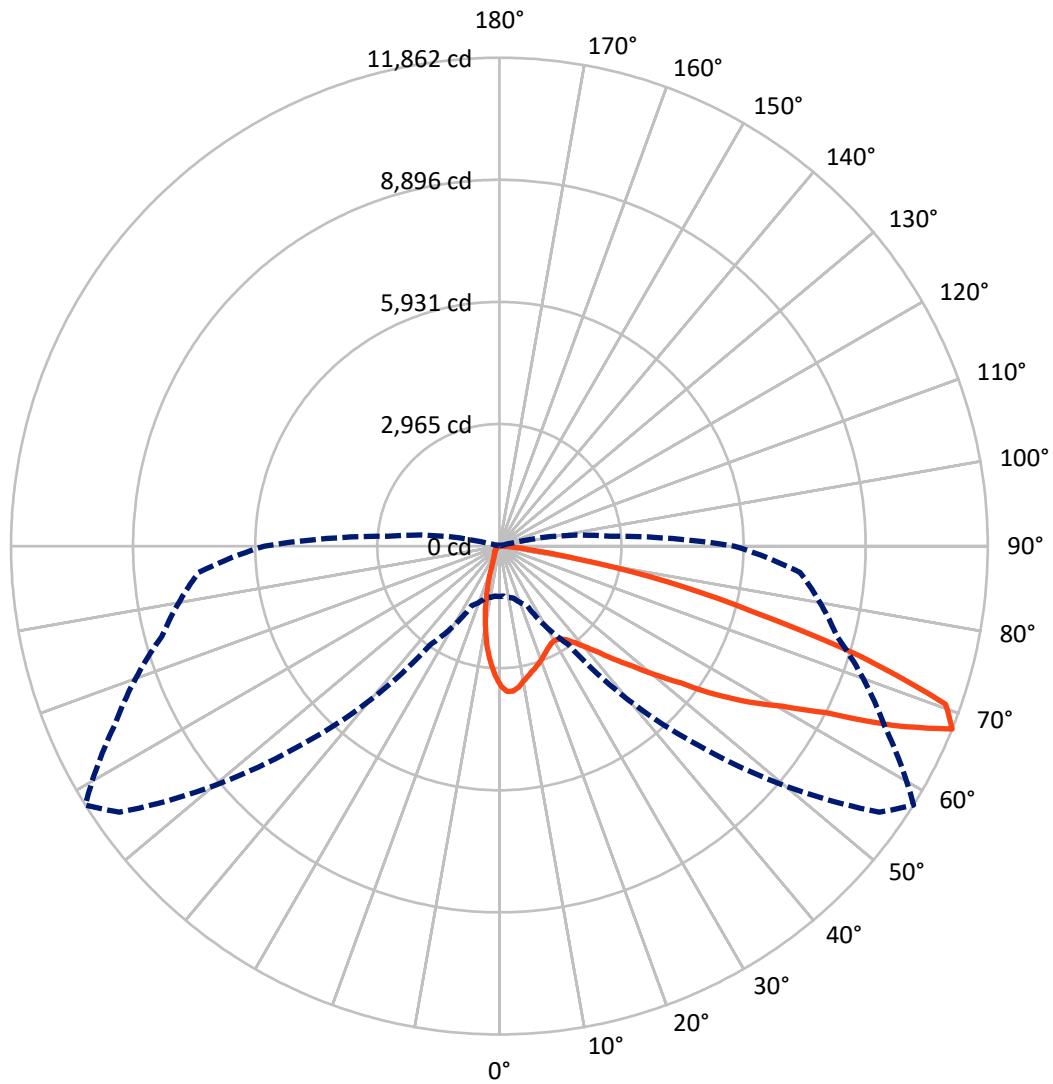
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Short - N/A

REPORT NUMBER: P636770
CATALOG NUMBER: GWS-SA4B-740-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-SA4B-740-U-SL3-W-HSS

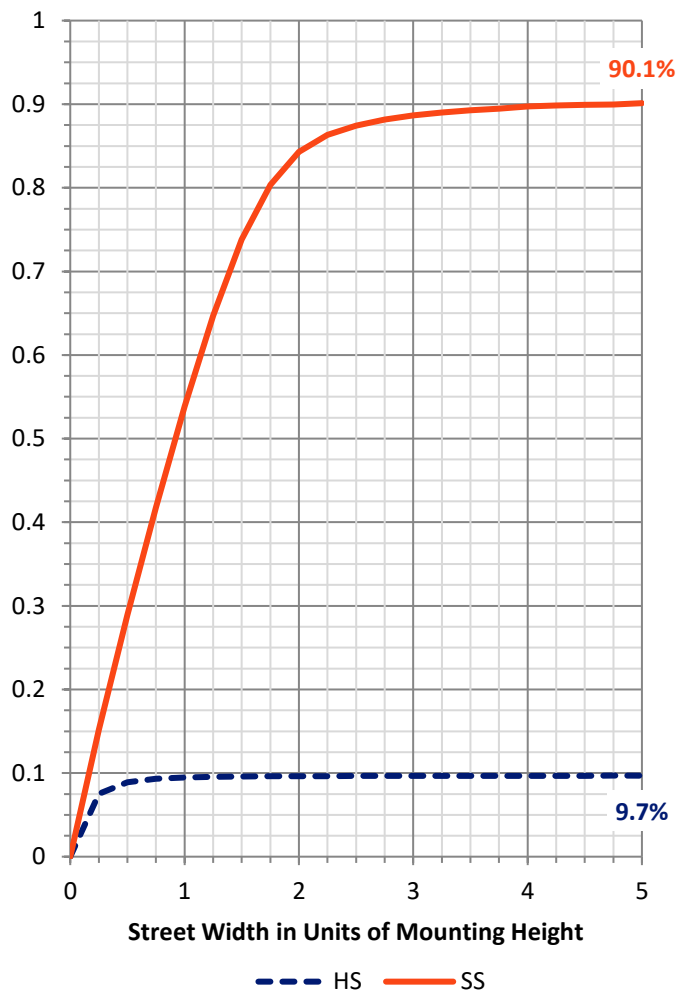
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1145.3	0.0	1145.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	10577.7	0.0	10577.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	11723.0	0.0	11723.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.8	2.3
10°-20°	572.0	4.9
20°-30°	771.4	6.6
30°-40°	1083.9	9.2
40°-50°	1674.0	14.3
50°-60°	2677.0	22.8
60°-70°	3169.7	27.0
70°-80°	1402.2	12.0
80°-90°	98.0	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°	11723.0	100.0
0°-180°	11723.0	100.0

Coefficient of Utilization

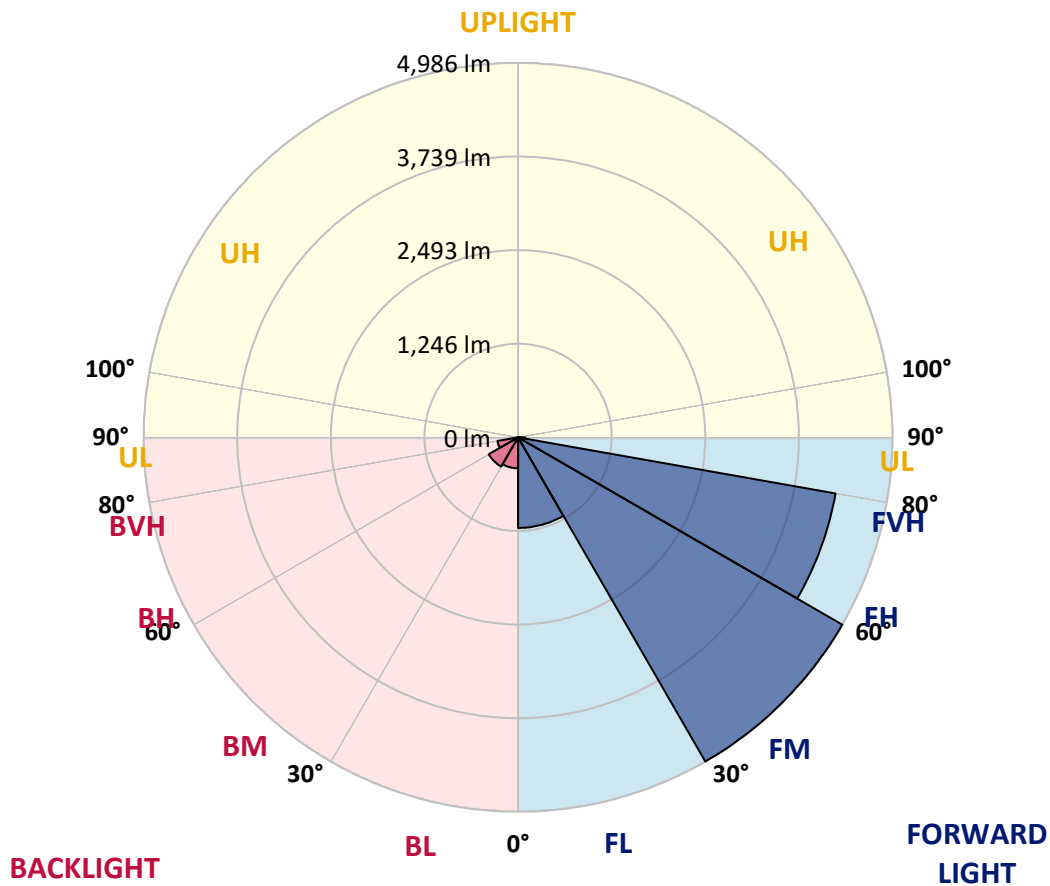


REPORT NUMBER: P636770
 CATALOG NUMBER: GWS-SA4B-740-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1206.0	10.3			
FM (30°-60°)	4985.5	42.5			
FH (60°-80°)	4292.3	36.6			G2/5000
FVH (80°-90°)	93.8	0.8			G1/100
BL (0°-30°)	412.1	3.5	B1/500		
BM (30°-60°)	449.4	3.8	B1/1000		
BH (60°-80°)	279.6	2.4	B1/500		G1/500
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





REPORT NUMBER: P636770

CATALOG NUMBER: GWS-SA4B-740-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5
2.5°	3556.8	3563.0	3571.3	3581.7	3579.6	3570.3	3558.9	3532.9	3516.3	3464.5	3401.2
5°	3442.7	3441.6	3462.4	3482.1	3517.4	3536.1	3562.0	3538.1	3529.8	3467.6	3364.9
7.5°	3219.6	3231.0	3254.9	3286.0	3336.8	3391.8	3454.1	3446.8	3471.7	3430.2	3302.6
10°	3000.7	2994.4	3031.8	3078.5	3156.3	3226.9	3317.1	3316.1	3381.5	3377.3	3232.1
12.5°	2808.7	2807.7	2836.7	2889.7	2981.0	3079.5	3202.0	3205.1	3286.0	3319.2	3171.9
15°	2646.9	2648.9	2676.9	2731.9	2826.4	2946.7	3088.9	3114.8	3206.1	3273.6	3112.7
17.5°	2531.7	2532.7	2549.3	2597.1	2689.4	2818.1	2989.3	3024.5	3141.8	3239.3	3065.0
20°	2478.8	2474.6	2477.7	2501.6	2573.2	2690.4	2887.6	2933.2	3082.6	3215.5	3021.4
22.5°	2486.0	2479.8	2465.3	2462.2	2494.3	2583.6	2779.7	2835.7	3018.3	3200.9	2982.0
25°	2550.4	2536.9	2516.1	2485.0	2472.5	2517.2	2685.2	2743.4	2958.1	3202.0	2951.9
27.5°	2648.9	2634.4	2608.5	2567.0	2518.2	2499.5	2620.9	2675.9	2915.6	3225.8	2937.4
30°	2774.5	2763.1	2738.2	2688.4	2623.0	2546.2	2607.4	2653.1	2894.8	3274.6	2943.6
32.5°	2922.9	2914.6	2893.8	2848.1	2773.4	2656.2	2653.1	2688.4	2911.4	3345.1	2967.5
35°	3066.0	3069.2	3070.2	3045.3	2965.4	2823.2	2778.6	2791.1	2979.9	3451.0	3021.4
37.5°	3220.6	3213.4	3250.7	3268.4	3191.6	3040.1	2972.7	2973.7	3110.7	3607.7	3123.1
40°	3337.9	3340.0	3420.9	3493.5	3461.4	3315.1	3218.6	3217.5	3311.9	3822.4	3287.0
42.5°	3447.9	3461.4	3580.7	3705.2	3749.8	3620.1	3550.6	3524.6	3594.2	4113.0	3532.9
45°	3565.1	3584.8	3751.9	3929.3	4046.6	3969.8	3914.8	3925.2	3933.5	4451.2	3863.9
47.5°	3702.1	3714.5	3921.0	4171.1	4390.0	4370.3	4373.4	4360.9	4356.8	4877.6	4301.8
50°	3868.1	3897.1	4134.7	4433.6	4732.4	4863.1	4906.7	4911.9	4844.4	5342.5	4755.2
52.5°	4220.9	4256.1	4459.5	4721.0	5105.9	5380.9	5558.3	5523.0	5419.3	5792.8	5252.2
55°	4636.9	4663.9	4860.0	5130.8	5562.5	5948.4	6369.7	6355.2	6101.0	6267.0	5661.0
57.5°	4676.4	4706.4	5010.5	5425.5	6148.7	6649.8	7092.9	7139.6	6767.1	6603.1	6026.2
60°	4233.3	4294.5	4709.6	5267.8	6372.8	7593.0	7885.6	7894.9	7255.8	6944.5	6472.4
62.5°	3392.9	3421.9	3840.1	4568.5	6027.3	8142.9	9096.4	8899.3	7883.5	7472.6	7179.0
65°	1778.4	1896.7	2260.9	3067.1	4888.0	7951.0	10553.2	10499.2	9012.4	8229.0	7728.9
67.5°	1220.2	1219.2	1305.3	1598.9	2914.6	6845.9	11268.1	11861.6	10317.7	8488.4	7330.5
70°	928.6	931.7	1008.5	1199.4	1509.7	4557.0	10483.7	11498.4	10560.5	7707.1	5928.7
72.5°	616.3	622.5	750.2	969.1	1205.7	2233.9	8147.1	9200.2	8885.8	6190.2	4173.1
75°	368.3	373.5	464.8	704.5	1071.8	1250.3	5176.5	6360.3	6116.5	4266.5	2237.0
77.5°	151.5	155.6	238.6	438.9	784.4	971.2	2862.7	4161.7	3663.7	1696.4	611.1
80°	63.3	65.4	115.2	307.1	565.5	609.1	1326.0	1955.8	1501.4	365.2	186.8
82.5°	22.8	23.9	42.5	169.1	351.7	458.6	669.2	773.0	423.3	119.3	100.6
85°	1.0	1.0	10.4	57.1	133.8	129.7	382.9	370.4	140.1	49.8	60.2
87.5°	0.0	0.0	1.0	1.0	2.1	5.2	36.3	64.3	30.1	12.5	25.9
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: P636770

CATALOG NUMBER: GWS-SA4B-740-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5	3381.5
2.5°	3359.7	3304.7	3244.5	3188.5	3099.2	3046.3	2981.0	2951.9	2910.4	2900.0	2906.3
5°	3291.2	3196.8	3052.6	2921.8	2752.7	2616.8	2479.8	2421.7	2347.0	2297.2	2276.4
7.5°	3194.7	3071.2	2846.1	2608.5	2376.1	2128.1	1939.2	1814.7	1701.6	1639.4	1626.9
10°	3097.2	2936.3	2613.7	2273.3	1913.3	1616.5	1361.3	1172.5	1018.9	949.4	895.4
12.5°	2996.5	2796.3	2377.1	1933.0	1514.9	1110.2	794.8	611.1	501.1	457.6	464.8
15°	2904.2	2661.4	2142.6	1592.7	1066.6	670.3	438.9	370.4	344.5	336.2	335.1
17.5°	2816.0	2533.8	1909.1	1261.7	703.5	410.9	336.2	319.6	312.3	308.2	308.2
20°	2736.1	2411.3	1680.9	950.4	454.5	325.8	304.0	295.7	289.5	286.4	286.4
22.5°	2661.4	2293.0	1457.8	672.3	335.1	292.6	279.1	270.8	263.5	259.4	259.4
25°	2593.9	2186.2	1245.1	462.8	288.4	267.7	253.2	243.8	231.4	224.1	224.1
27.5°	2545.2	2090.7	1040.7	337.2	260.4	240.7	224.1	211.7	198.2	189.9	187.8
30°	2516.1	2009.8	834.2	277.0	234.5	214.8	196.1	180.5	165.0	156.7	155.6
32.5°	2499.5	1935.1	645.4	241.8	212.7	189.9	169.1	152.5	137.0	127.6	126.6
35°	2505.7	1877.0	483.5	217.9	192.0	168.1	145.3	128.7	115.2	106.9	104.8
37.5°	2559.7	1851.0	363.2	199.2	174.3	149.4	125.5	110.0	97.5	91.3	90.3
40°	2664.5	1856.2	285.3	184.7	159.8	130.7	107.9	93.4	84.0	78.9	77.8
42.5°	2827.4	1899.8	235.5	172.2	144.2	114.1	93.4	82.0	72.6	67.4	66.4
45°	3070.2	1990.1	205.4	157.7	127.6	98.6	80.9	70.6	62.3	56.0	55.0
47.5°	3421.9	2146.7	185.7	144.2	113.1	85.1	69.5	59.1	51.9	46.7	45.7
50°	3796.5	2334.5	169.1	130.7	100.6	73.7	59.1	48.8	42.5	37.4	36.3
52.5°	4196.0	2536.9	156.7	118.3	89.2	63.3	49.8	40.5	34.2	29.1	28.0
55°	4579.9	2740.2	142.1	110.0	75.7	54.0	41.5	33.2	27.0	22.8	22.8
57.5°	4953.4	2927.0	126.6	96.5	62.3	45.7	34.2	27.0	21.8	18.7	17.6
60°	5399.6	3185.4	108.9	82.0	51.9	38.4	28.0	21.8	17.6	14.5	14.5
62.5°	6062.6	3454.1	93.4	68.5	43.6	32.2	22.8	17.6	14.5	12.5	11.4
65°	6279.4	3308.8	78.9	56.0	35.3	25.9	18.7	15.6	12.5	11.4	10.4
67.5°	5700.4	2712.2	65.4	45.7	29.1	21.8	16.6	13.5	11.4	10.4	9.3
70°	4448.1	1924.7	50.8	34.2	23.9	17.6	14.5	12.5	10.4	9.3	9.3
72.5°	3025.6	1138.2	40.5	25.9	19.7	15.6	12.5	11.4	10.4	9.3	8.3
75°	1490.0	404.7	31.1	19.7	15.6	13.5	11.4	10.4	9.3	8.3	8.3
77.5°	401.5	112.1	23.9	15.6	12.5	10.4	10.4	10.4	9.3	7.3	7.3
80°	135.9	46.7	17.6	11.4	10.4	8.3	7.3	9.3	8.3	7.3	6.2
82.5°	74.7	22.8	12.5	9.3	7.3	6.2	6.2	6.2	6.2	5.2	5.2
85°	47.7	12.5	8.3	7.3	7.3	5.2	4.2	4.2	3.1	3.1	3.1
87.5°	21.8	7.3	7.3	6.2	6.2	5.2	3.1	2.1	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)