

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: P636247

Luminaire Tested: GWS-SA3F-735-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636247
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18878.2 lumens
Efficiency: N/A
Efficacy: 103.0 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

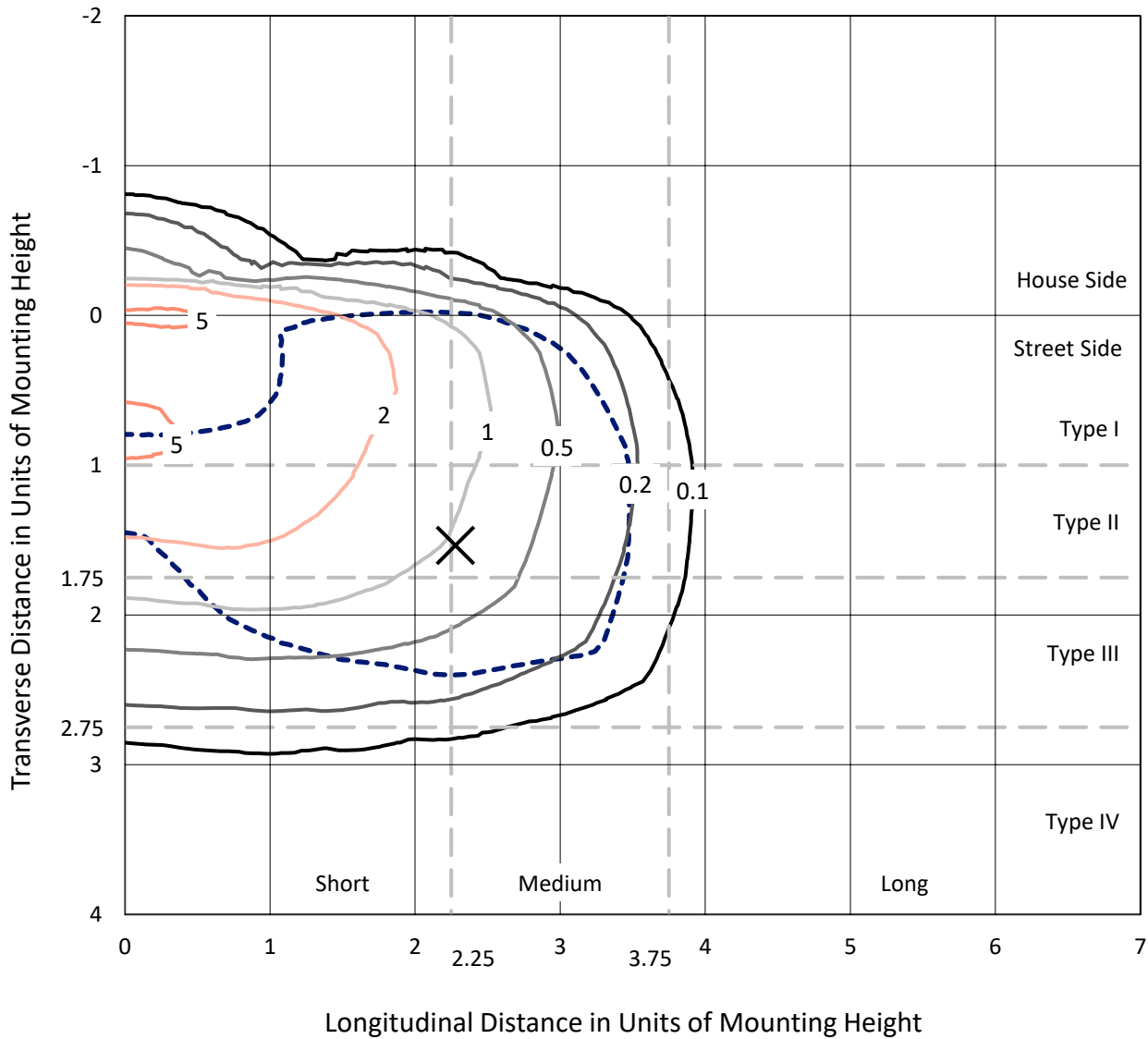
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

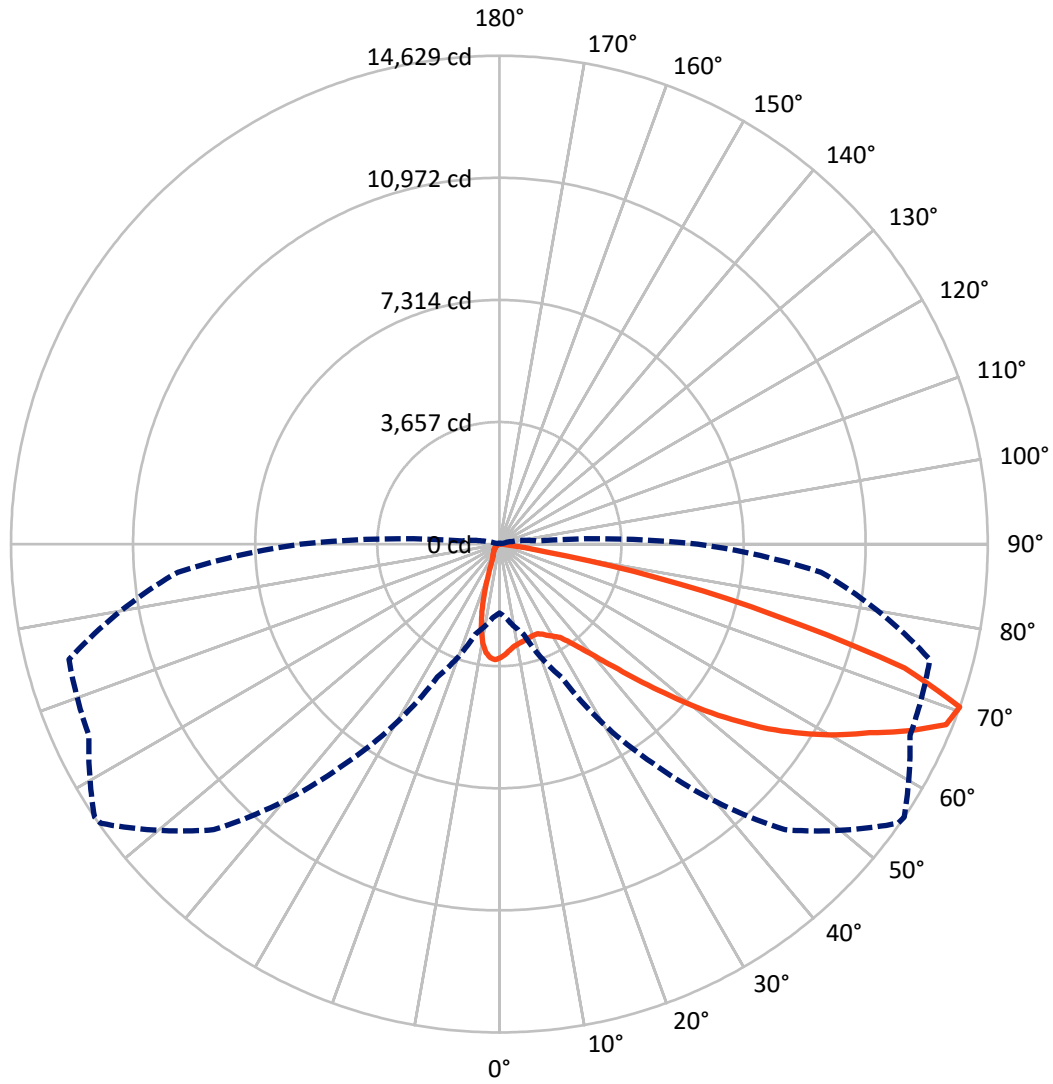
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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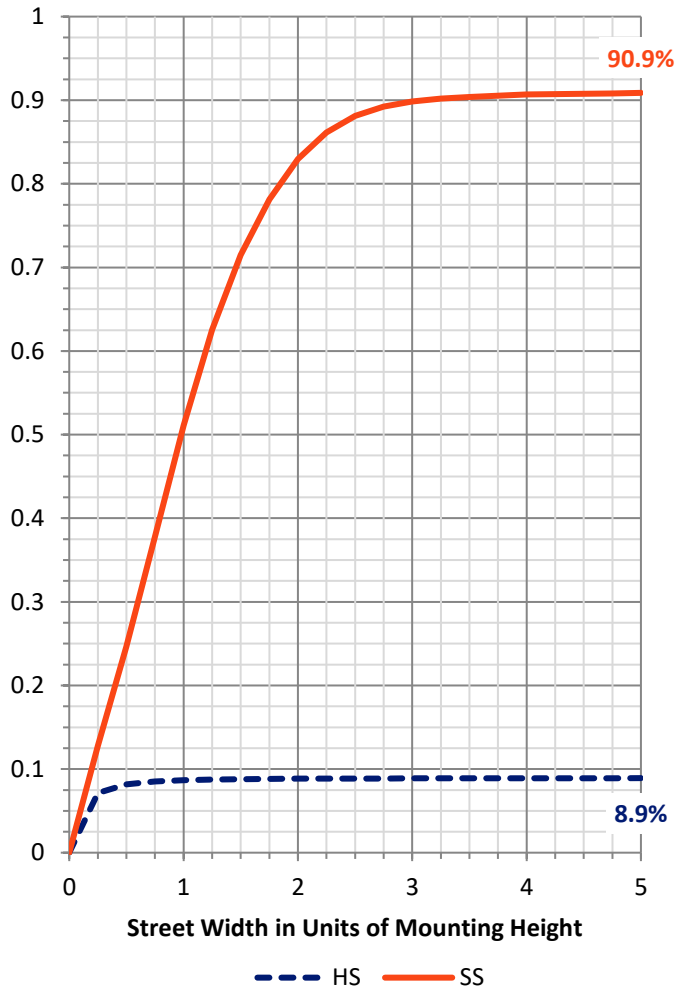
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1695.6	0.0	1695.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	17182.6	0.0	17182.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	18878.2	0.0	18878.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.3	1.5
10°-20°	657.3	3.5
20°-30°	1041.2	5.5
30°-40°	1795.5	9.5
40°-50°	3032.1	16.1
50°-60°	4455.1	23.6
60°-70°	5281.7	28.0
70°-80°	2252.3	11.9
80°-90°	70.7	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°	18878.2	100.0
0°-180°	18878.2	100.0

Coefficient of Utilization



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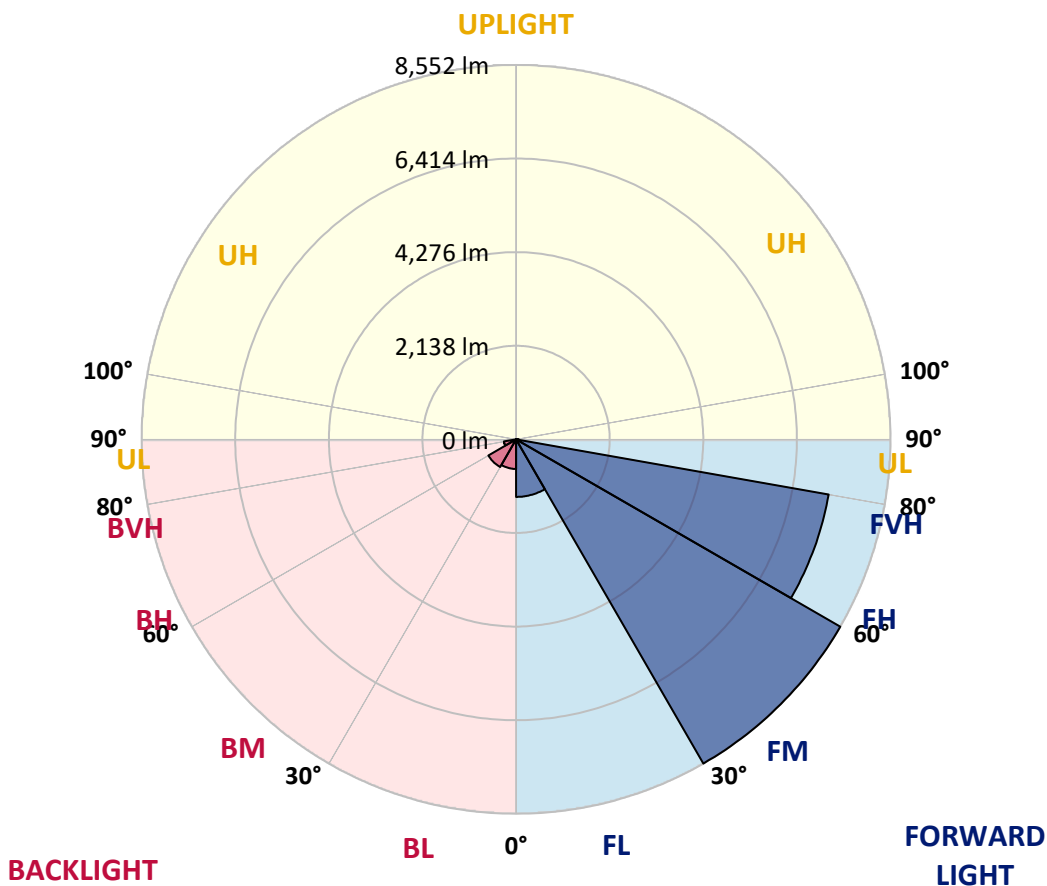
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1315.5	7.0			
FM (30°-60°)	8552.3	45.3			
FH (60°-80°)	7251.2	38.4			G3/7500
FVH (80°-90°)	63.5	0.3			G1/100
BL (0°-30°)	675.3	3.6	B2/1000		
BM (30°-60°)	730.3	3.9	B1/1000		
BH (60°-80°)	282.8	1.5	B1/500		G1/500
BVH (80°-90°)	7.2	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-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9
2.5°	3168.8	3163.6	3167.1	3193.0	3241.4	3263.9	3301.9	3308.8	3340.0	3379.7	3395.3
5°	2963.1	2945.8	2954.5	2990.8	3046.1	3108.3	3179.2	3198.2	3276.0	3364.2	3429.9
7.5°	2774.7	2755.6	2776.4	2833.4	2911.2	2978.7	3084.1	3096.2	3220.7	3376.3	3495.6
10°	2479.0	2484.2	2525.7	2626.0	2745.3	2885.3	3027.1	3044.3	3198.2	3416.0	3601.0
12.5°	2252.6	2240.5	2285.4	2399.5	2567.2	2771.2	2983.8	3006.3	3199.9	3476.5	3735.9
15°	2147.1	2143.7	2162.7	2245.7	2408.2	2648.5	2944.1	2973.5	3222.4	3531.9	3863.8
17.5°	2150.6	2145.4	2143.7	2192.1	2313.1	2556.8	2900.9	2938.9	3241.4	3592.4	3998.6
20°	2301.0	2276.8	2233.6	2211.1	2283.7	2498.1	2871.5	2914.7	3269.1	3656.3	4142.1
22.5°	2615.6	2624.3	2508.4	2387.4	2352.8	2505.0	2868.0	2918.1	3329.6	3756.6	4318.4
25°	3244.9	3231.1	3016.7	2745.3	2556.8	2584.5	2928.5	2989.0	3448.9	3900.1	4484.4
27.5°	4033.2	4045.3	3751.4	3319.2	2925.1	2748.7	3039.2	3099.7	3587.2	3990.0	4595.0
30°	4892.4	4880.3	4565.7	4086.8	3447.1	3021.9	3149.8	3203.4	3656.3	4038.4	4709.1
32.5°	5704.9	5677.2	5366.1	4864.7	4112.7	3452.3	3301.9	3333.1	3748.0	4143.8	4863.0
35°	6398.1	6396.4	6125.0	5590.8	4797.3	3991.7	3563.0	3588.9	3919.1	4311.5	5089.5
37.5°	7113.8	7089.6	6785.4	6297.9	5500.9	4582.9	3962.3	3951.9	4188.8	4558.7	5367.8
40°	7701.6	7686.1	7452.7	6984.2	6232.2	5236.4	4446.4	4415.3	4508.6	4901.0	5755.0
42.5°	8137.3	8139.0	8066.4	7781.2	7006.7	5991.9	5054.9	5006.5	5004.8	5417.9	6266.8
45°	8467.5	8489.9	8598.9	8555.6	7921.2	6871.8	5834.6	5784.4	5699.7	6088.7	6852.8
47.5°	8621.3	8650.7	8979.2	9152.1	8721.6	7744.8	6762.9	6657.5	6491.5	6980.7	7508.0
50°	8605.8	8657.6	9115.8	9641.3	9447.7	8630.0	7774.2	7724.1	7452.7	7924.6	8156.3
52.5°	8253.1	8363.7	9124.4	9938.6	10006.1	9445.9	8820.1	8726.8	8595.4	8910.0	8764.8
55°	7295.4	7430.2	8759.6	10033.7	10441.7	10158.2	9843.6	9767.5	9549.7	9840.1	9295.5
57.5°	6775.0	6890.8	7992.1	9987.0	10811.7	10816.9	10754.6	10692.4	10512.6	10759.8	9917.9
60°	6462.1	6577.9	7582.3	9815.9	11147.0	11511.8	11610.4	11603.4	11344.1	11805.7	10647.4
62.5°	6004.0	6163.0	7155.3	9371.6	11385.6	12196.4	12493.8	12447.1	12158.4	12894.8	11370.1
65°	5079.1	5217.4	6280.6	8638.6	11245.6	12763.4	13451.5	13475.7	13142.0	13920.0	11940.5
67.5°	3561.2	3663.2	4719.5	7100.0	10294.8	12950.1	14431.7	14430.0	13861.2	14445.5	11688.1
70°	2064.1	2204.2	2788.5	4389.3	8009.3	12101.3	14578.6	14628.8	13569.0	13347.8	9672.4
72.5°	798.7	914.5	1580.1	2332.1	4176.7	9269.6	12540.4	12687.4	11356.2	10296.5	6731.8
75°	238.6	266.2	743.4	1241.3	1676.9	4477.5	8489.9	8531.4	7789.8	6422.3	3450.6
77.5°	178.1	197.1	325.0	627.5	587.8	1357.1	4392.8	4797.3	4135.2	2294.1	950.8
80°	121.0	143.5	231.7	306.0	217.8	361.3	1234.3	1355.3	1262.0	515.2	238.6
82.5°	53.6	69.2	164.2	153.9	79.5	103.7	380.3	404.5	261.0	155.6	83.0
85°	5.2	6.9	62.2	67.4	29.4	24.2	79.5	79.5	57.0	53.6	34.6
87.5°	0.0	0.0	1.7	3.5	3.5	5.2	6.9	8.6	10.4	13.8	17.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9	3403.9
2.5°	3435.0	3414.3	3440.2	3461.0	3466.2	3428.1	3405.7	3372.8	3365.9	3367.6	3359.0
5°	3481.7	3471.4	3490.4	3467.9	3409.1	3298.5	3203.4	3097.9	3040.9	3008.0	3004.6
7.5°	3568.2	3563.0	3542.2	3440.2	3257.0	3011.5	2774.7	2543.0	2399.5	2347.7	2339.0
10°	3696.1	3685.7	3601.0	3359.0	2968.3	2496.3	2098.7	1766.8	1564.5	1505.8	1433.1
12.5°	3843.0	3822.3	3637.3	3184.4	2532.6	1879.2	1383.0	1011.3	836.7	784.9	784.9
15°	3984.8	3939.8	3616.6	2895.7	1996.7	1222.2	772.8	584.3	530.7	516.9	516.9
17.5°	4130.0	4043.6	3535.3	2501.5	1379.6	722.6	515.2	478.9	472.0	473.7	475.4
20°	4266.6	4131.7	3391.8	2027.8	879.9	504.8	461.6	452.9	449.5	452.9	451.2
22.5°	4415.3	4213.0	3174.0	1510.9	572.2	454.7	439.1	432.2	428.7	433.9	433.9
25°	4562.2	4271.8	2885.3	1016.5	454.7	423.5	414.9	408.0	404.5	406.3	406.3
27.5°	4638.3	4249.3	2506.7	648.3	408.0	392.4	383.8	375.1	370.0	368.2	370.0
30°	4690.1	4180.1	2043.4	461.6	370.0	350.9	342.3	335.4	321.5	312.9	316.4
32.5°	4771.4	4111.0	1540.3	387.2	338.8	309.4	295.6	278.3	259.3	250.7	250.7
35°	4868.2	4015.9	1080.5	349.2	306.0	274.9	248.9	219.6	197.1	190.2	190.2
37.5°	4996.1	3926.0	719.2	323.3	278.3	245.5	209.2	174.6	150.4	146.9	145.2
40°	5188.0	3849.9	506.5	304.3	254.1	214.4	171.1	134.8	117.6	112.4	112.4
42.5°	5437.0	3772.2	401.1	285.2	233.4	185.0	136.6	107.2	93.4	89.9	88.2
45°	5744.7	3680.5	349.2	268.0	212.6	153.9	108.9	89.9	79.5	76.1	76.1
47.5°	6078.3	3556.1	325.0	245.5	188.4	124.5	91.6	77.8	72.6	70.9	69.2
50°	6406.8	3388.4	304.3	224.7	160.8	102.0	79.5	70.9	67.4	65.7	65.7
52.5°	6693.8	3193.0	278.3	200.5	131.4	88.2	70.9	65.7	62.2	58.8	57.0
55°	6939.2	2980.4	245.5	172.9	107.2	77.8	65.7	60.5	57.0	53.6	51.9
57.5°	7255.6	2859.4	197.1	140.0	88.2	69.2	60.5	55.3	51.9	46.7	46.7
60°	7606.5	2771.2	146.9	110.6	76.1	64.0	55.3	50.1	46.7	41.5	41.5
62.5°	7888.3	2639.8	115.8	89.9	65.7	57.0	50.1	44.9	41.5	36.3	36.3
65°	7995.5	2368.4	95.1	70.9	53.6	50.1	44.9	41.5	36.3	31.1	31.1
67.5°	7511.5	1825.6	79.5	57.0	44.9	43.2	39.8	38.0	31.1	27.7	25.9
70°	5948.7	1113.3	65.7	46.7	38.0	36.3	36.3	32.8	27.7	25.9	24.2
72.5°	4076.4	573.9	53.6	38.0	32.8	32.8	31.1	29.4	25.9	24.2	24.2
75°	2117.7	191.9	41.5	29.4	25.9	27.7	27.7	25.9	24.2	24.2	22.5
77.5°	606.8	86.4	31.1	22.5	20.7	20.7	22.5	22.5	22.5	20.7	20.7
80°	157.3	50.1	22.5	17.3	17.3	17.3	17.3	19.0	20.7	19.0	19.0
82.5°	64.0	27.7	15.6	13.8	13.8	13.8	13.8	15.6	17.3	17.3	17.3
85°	39.8	13.8	12.1	12.1	12.1	10.4	10.4	12.1	12.1	13.8	13.8
87.5°	24.2	10.4	10.4	10.4	10.4	8.6	8.6	8.6	8.6	8.6	8.6
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)