

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: STREETWORKS

Report Number: P386862

Luminaire Tested: GAW-SA2C-750-U-SL3-HSS

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA2C-750-U-SL3-HSS  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12611 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

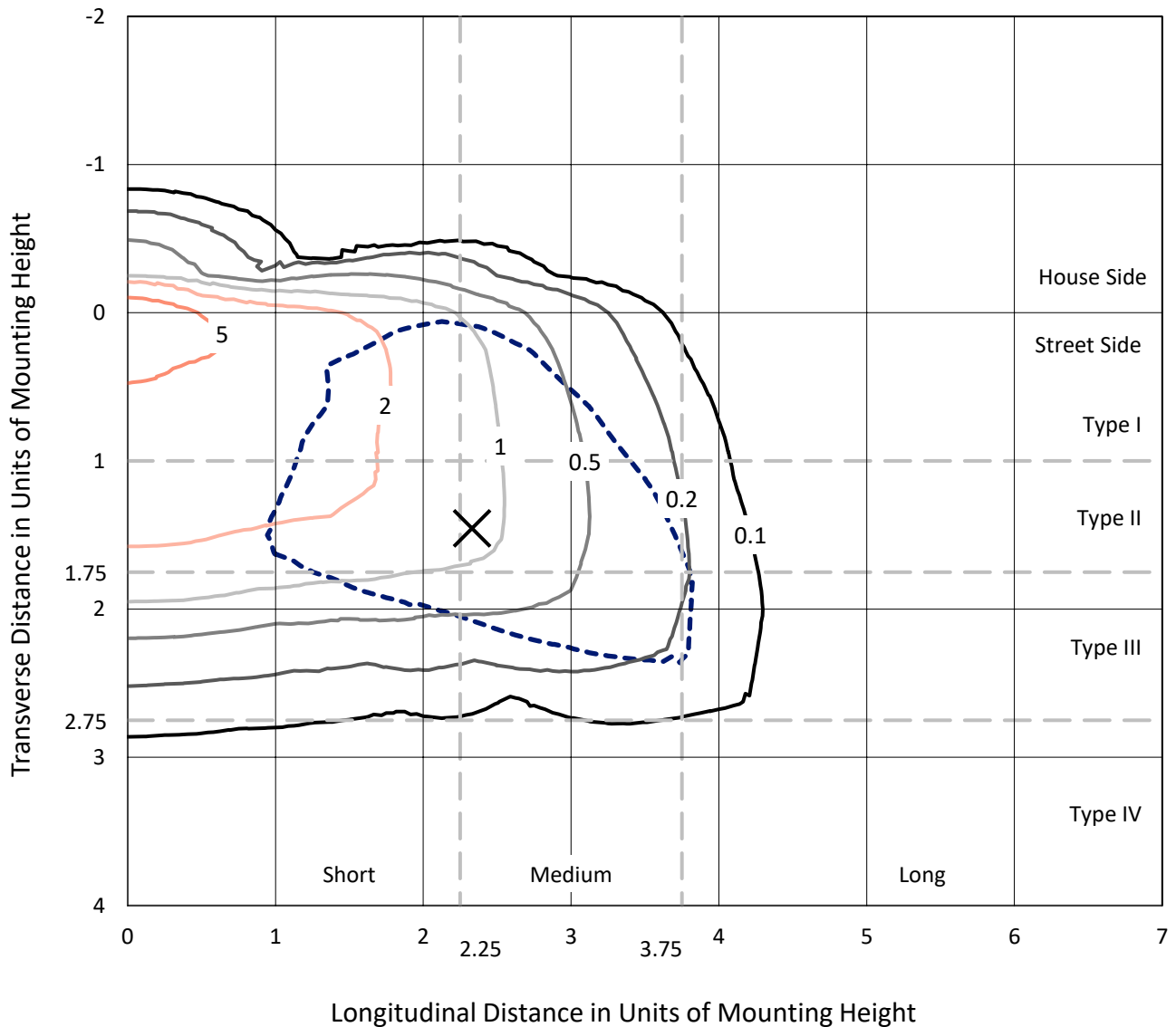
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

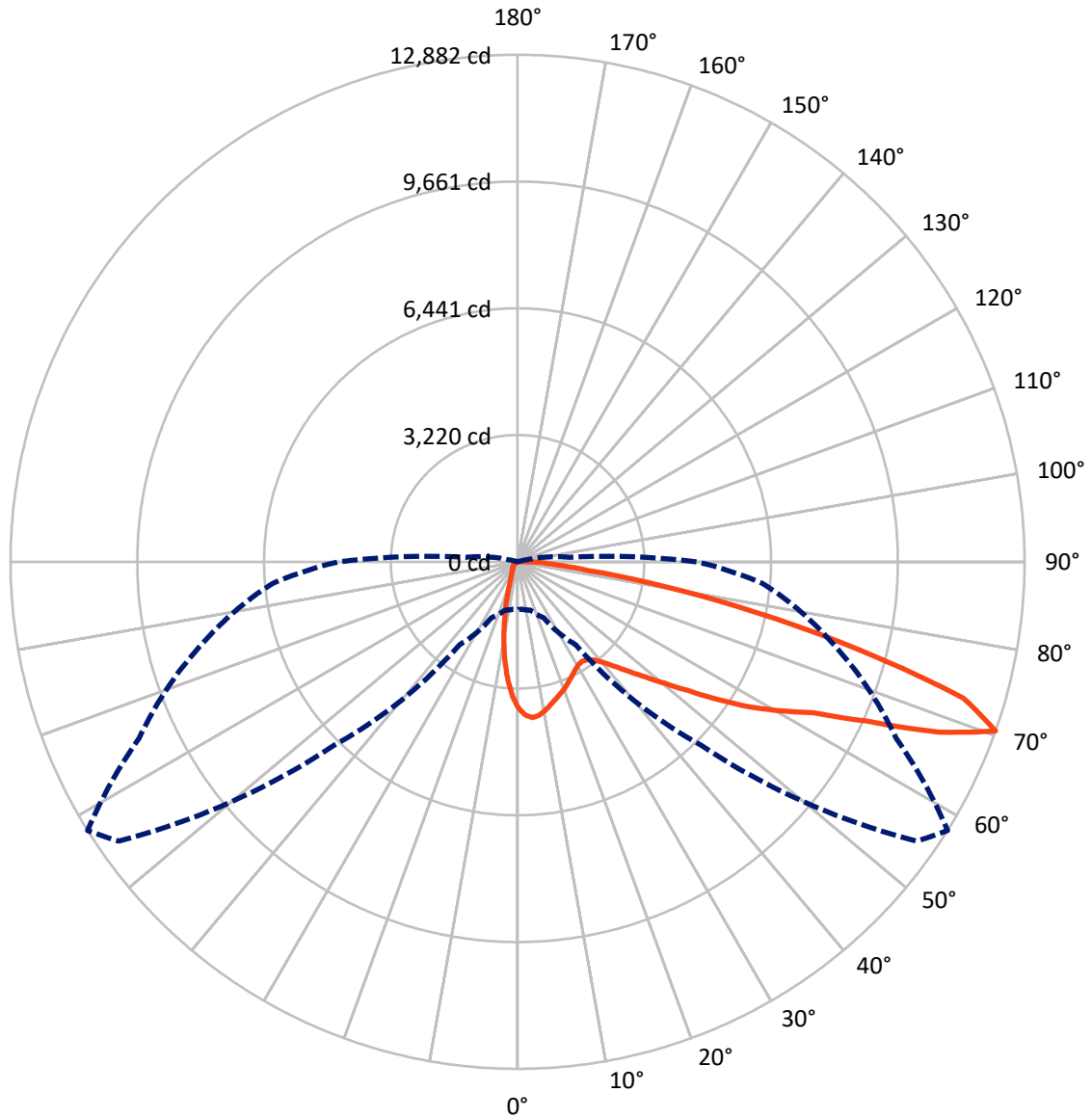
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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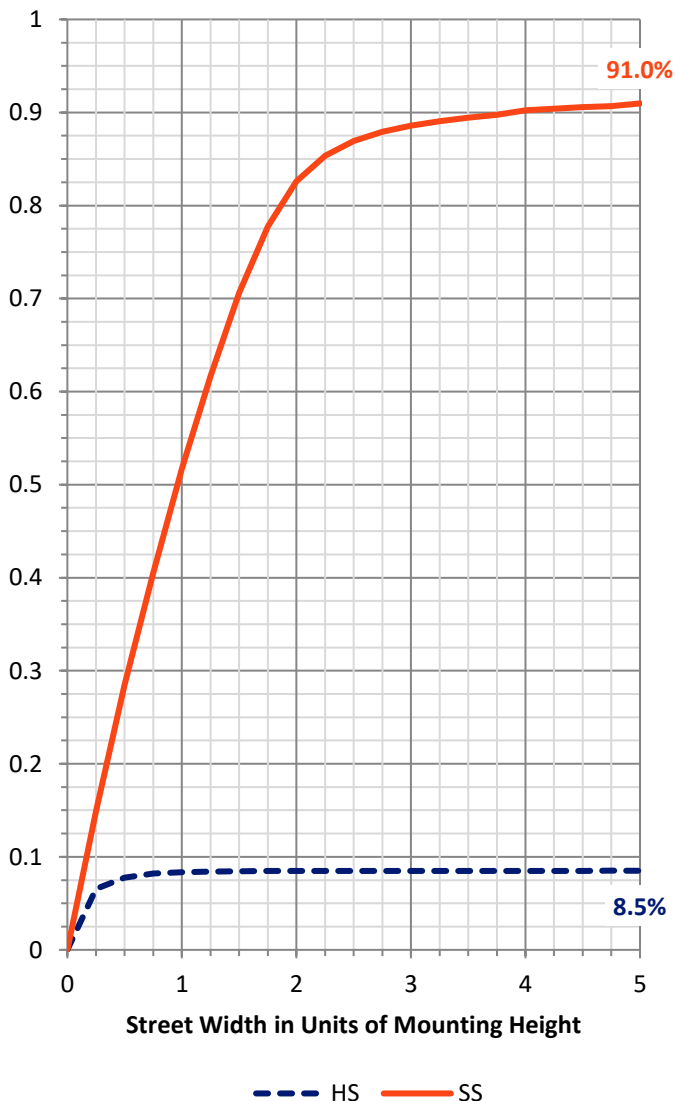
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1079.2	0.0	1079.2
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	11531.8	0.0	11531.8
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	12611.0	0.0	12611.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.6	2.4
10°-20°	639.3	5.1
20°-30°	840.5	6.7
30°-40°	1113.2	8.8
40°-50°	1663.8	13.2
50°-60°	2665.4	21.1
60°-70°	3359.7	26.6
70°-80°	1812.2	14.4
80°-90°	212.1	1.7
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°	12611.0	100.0
0°-180°	12611.0	100.0

**Coefficient of Utilization**



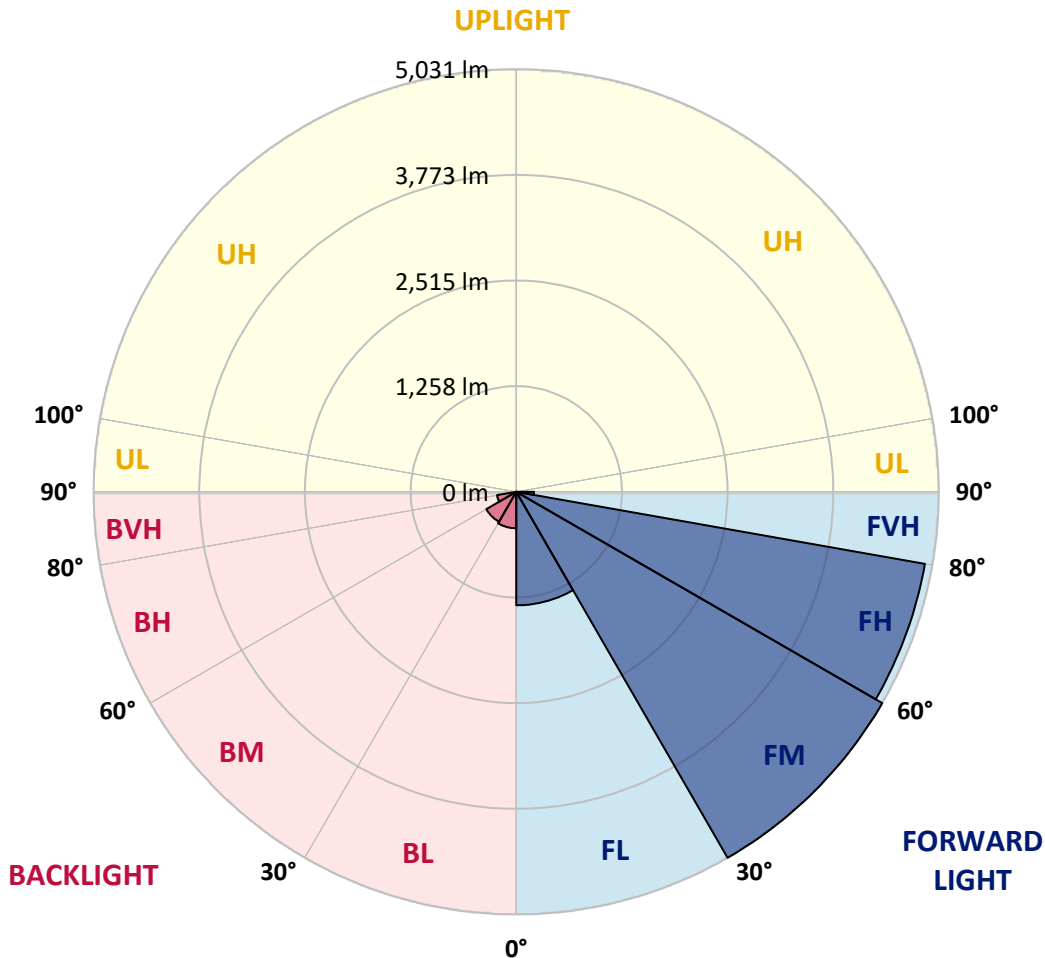
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1350.9	10.7			
FM (30°-60°)	5030.7	39.9			
FH (60°-80°)	4939.9	39.2			G2/5000
FVH (80°-90°)	210.3	1.7			G2/225
BL (0°-30°)	433.6	3.4	B1/500		
BM (30°-60°)	411.7	3.3	B1/1000		
BH (60°-80°)	232.1	1.8	B1/500		G1/500
BVH (80°-90°)	1.8	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2
2.5°	4034.1	4024.1	4020.5	4014.2	3990.0	3966.4	3919.8	3906.7	3877.3	3807.6	3733.6
5°	4037.2	4036.7	4047.7	4045.1	4036.7	4025.7	3992.1	3974.8	3925.0	3825.4	3690.1
7.5°	3842.7	3852.7	3877.3	3897.2	3920.3	3950.2	3954.4	3937.6	3896.7	3789.2	3609.9
10°	3581.5	3597.3	3631.9	3671.2	3731.5	3791.3	3844.8	3842.7	3828.5	3722.6	3513.4
12.5°	3319.9	3338.2	3378.1	3436.3	3521.8	3619.3	3714.7	3727.9	3751.4	3662.8	3424.2
15°	3090.7	3106.5	3145.8	3217.1	3323.0	3454.1	3594.1	3618.3	3679.1	3616.2	3349.8
17.5°	2896.2	2906.1	2935.0	3014.2	3136.9	3295.8	3477.7	3524.9	3615.6	3579.5	3285.3
20°	2760.4	2761.9	2780.8	2836.4	2959.1	3136.9	3357.1	3424.8	3548.5	3548.0	3218.7
22.5°	2693.2	2688.0	2691.7	2723.7	2813.8	2985.3	3236.5	3316.7	3488.2	3521.2	3151.0
25°	2680.7	2676.5	2666.0	2670.2	2724.7	2852.7	3114.8	3207.7	3435.2	3505.0	3092.3
27.5°	2720.0	2724.2	2706.4	2687.5	2691.7	2766.7	3006.8	3114.3	3392.2	3505.0	3050.9
30°	2799.2	2801.3	2788.2	2763.5	2730.5	2742.5	2931.8	3039.3	3370.7	3529.1	3024.7
32.5°	2886.7	2898.3	2896.7	2876.8	2829.6	2780.8	2914.0	3012.1	3369.2	3582.6	3022.0
35°	2995.3	3008.4	3030.4	3026.2	2976.9	2896.7	2974.8	3051.9	3400.1	3670.7	3050.3
37.5°	3110.7	3130.6	3177.8	3200.3	3168.3	3077.6	3111.2	3166.2	3483.0	3813.3	3122.2
40°	3222.3	3244.9	3330.9	3419.5	3395.4	3302.1	3317.8	3361.8	3630.3	4018.4	3258.5
42.5°	3331.9	3365.5	3491.9	3637.7	3666.5	3592.0	3600.4	3635.6	3849.0	4300.5	3481.4
45°	3463.0	3500.8	3688.0	3867.9	3944.9	3912.4	3948.1	3971.2	4134.8	4673.3	3781.9
47.5°	3655.5	3699.0	3928.7	4133.7	4269.0	4290.0	4361.8	4377.0	4496.1	5107.5	4173.6
50°	4030.9	4043.0	4250.7	4436.8	4631.9	4757.7	4839.5	4851.1	4933.4	5582.1	4662.8
52.5°	4503.4	4511.3	4628.7	4753.5	4975.4	5232.3	5423.7	5440.0	5457.3	6044.6	5145.8
55°	4972.7	4971.7	5049.3	5122.7	5376.5	5749.9	6165.2	6175.2	6050.9	6483.5	5515.0
57.5°	5265.9	5294.2	5412.2	5506.6	5861.0	6339.8	6916.1	6952.8	6674.4	6808.6	5879.9
60°	5172.5	5186.2	5447.8	5797.1	6464.6	7178.3	7675.9	7685.4	7143.2	7133.2	6341.4
62.5°	4406.9	4414.3	4825.4	5545.4	6770.3	8265.9	8592.6	8438.9	7682.2	7583.7	6893.6
65°	3020.5	3068.2	3411.6	4301.5	6208.7	8948.1	10011.6	9757.2	8503.9	8232.8	7392.8
67.5°	1778.7	1768.7	1938.7	2594.1	4560.1	8495.0	11806.5	11553.8	9624.6	8667.6	7246.5
70°	1215.0	1208.2	1273.2	1570.5	2574.2	6589.9	12371.3	12881.5	10614.1	8374.9	6236.5
72.5°	867.3	871.0	967.0	1220.2	1616.2	3839.5	10638.7	11846.4	10304.2	7301.0	4740.4
75°	588.9	598.8	736.2	1001.1	1416.9	1953.3	7549.6	9005.3	8390.7	5306.2	2724.7
77.5°	316.7	327.7	489.8	806.5	1281.1	1357.1	4856.3	6197.7	5270.6	2385.4	789.7
80°	132.1	138.4	229.2	586.3	1107.0	1191.9	2857.4	3758.3	2245.9	470.4	176.2
82.5°	57.2	60.3	95.4	349.8	827.5	1006.3	1512.9	1808.1	680.7	103.3	88.6
85°	11.0	11.5	39.3	185.1	528.1	567.9	980.6	961.2	305.7	44.6	64.5
87.5°	0.0	0.0	9.4	58.2	155.2	309.4	598.3	591.0	103.8	21.5	24.1
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°	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2
2.5°	3695.9	3659.7	3583.6	3489.8	3417.9	3338.8	3275.8	3196.1	3161.5	3163.1	3144.2
5°	3613.0	3538.5	3370.2	3157.8	2994.2	2825.4	2680.1	2535.4	2449.9	2422.1	2395.9
7.5°	3494.5	3376.5	3108.0	2780.8	2503.9	2233.4	1997.9	1790.8	1659.7	1595.7	1572.1
10°	3360.8	3195.1	2806.5	2375.5	1980.1	1614.1	1308.9	1043.5	937.6	865.8	847.4
12.5°	3243.3	3018.9	2511.8	1959.6	1490.3	1048.8	757.7	592.6	520.7	492.4	487.7
15°	3132.7	2854.2	2228.1	1583.1	1032.0	645.5	481.9	425.8	409.0	404.3	404.3
17.5°	3028.3	2697.4	1950.7	1212.4	682.7	452.5	399.1	386.5	381.2	380.7	381.2
20°	2919.3	2540.6	1678.0	888.3	476.7	383.3	368.6	361.8	360.3	360.3	360.3
22.5°	2814.9	2383.9	1412.7	634.5	382.3	349.8	342.4	337.7	336.1	335.6	334.6
25°	2714.7	2234.9	1153.6	448.3	335.6	320.4	314.1	307.8	303.1	300.5	298.9
27.5°	2632.4	2102.3	912.4	359.7	303.1	290.0	282.1	272.7	261.1	255.9	253.8
30°	2566.9	1981.1	703.2	303.6	272.7	259.6	247.5	231.3	214.5	205.6	205.0
32.5°	2515.5	1862.1	533.8	268.5	245.4	229.2	211.9	191.4	172.0	162.0	161.5
35°	2490.3	1757.2	408.0	242.8	221.3	200.8	179.3	156.8	137.9	128.5	127.4
37.5°	2507.1	1668.6	318.3	221.3	200.8	177.2	152.1	128.5	111.7	103.3	102.8
40°	2568.4	1612.0	258.5	202.9	183.5	154.7	127.4	105.4	91.2	84.4	83.9
42.5°	2699.0	1591.0	220.8	187.7	166.8	133.7	105.9	87.0	73.9	69.2	68.2
45°	2917.2	1621.9	195.1	173.0	149.4	113.8	87.6	71.3	59.8	56.1	55.6
47.5°	3207.7	1703.2	176.7	158.9	133.7	96.0	72.9	57.7	48.8	45.1	44.6
50°	3582.1	1832.2	161.5	144.7	119.0	81.3	60.3	45.6	37.8	35.1	35.1
52.5°	3989.5	1985.8	147.9	131.6	104.4	67.6	48.8	35.1	29.9	26.7	26.7
55°	4326.2	2120.1	133.2	121.7	86.5	56.1	37.2	26.7	22.0	20.5	20.5
57.5°	4662.3	2263.2	116.4	104.4	69.2	45.6	28.3	19.9	16.3	15.2	15.2
60°	5098.1	2438.4	100.2	85.0	54.5	34.6	21.0	14.2	12.1	11.5	11.5
62.5°	5577.4	2541.2	85.5	68.2	42.5	25.7	15.2	9.4	8.9	8.9	8.4
65°	5870.5	2395.9	71.8	54.5	33.0	19.4	10.0	6.8	7.9	7.3	6.3
67.5°	5496.6	1875.7	58.7	42.5	25.7	14.7	6.3	4.7	8.4	6.8	5.2
70°	4551.1	1313.1	45.6	29.9	20.5	12.6	4.2	3.1	8.9	6.8	4.2
72.5°	3405.9	878.9	36.2	19.9	15.2	11.0	3.7	1.6	7.9	5.8	3.7
75°	1861.0	354.0	28.8	12.6	9.4	7.9	2.6	1.0	5.2	4.2	2.6
77.5°	489.8	93.3	21.0	8.4	5.2	3.1	1.6	0.5	2.6	2.1	1.0
80°	124.8	36.2	13.6	5.8	3.7	1.6	0.0	0.0	0.5	0.0	0.0
82.5°	66.6	15.2	8.4	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	50.3	10.0	4.7	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.4	3.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)