

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: P386807

Luminaire Tested: GAW-SA2C-730-U-SL3

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2C-730-U-SL3
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13445 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

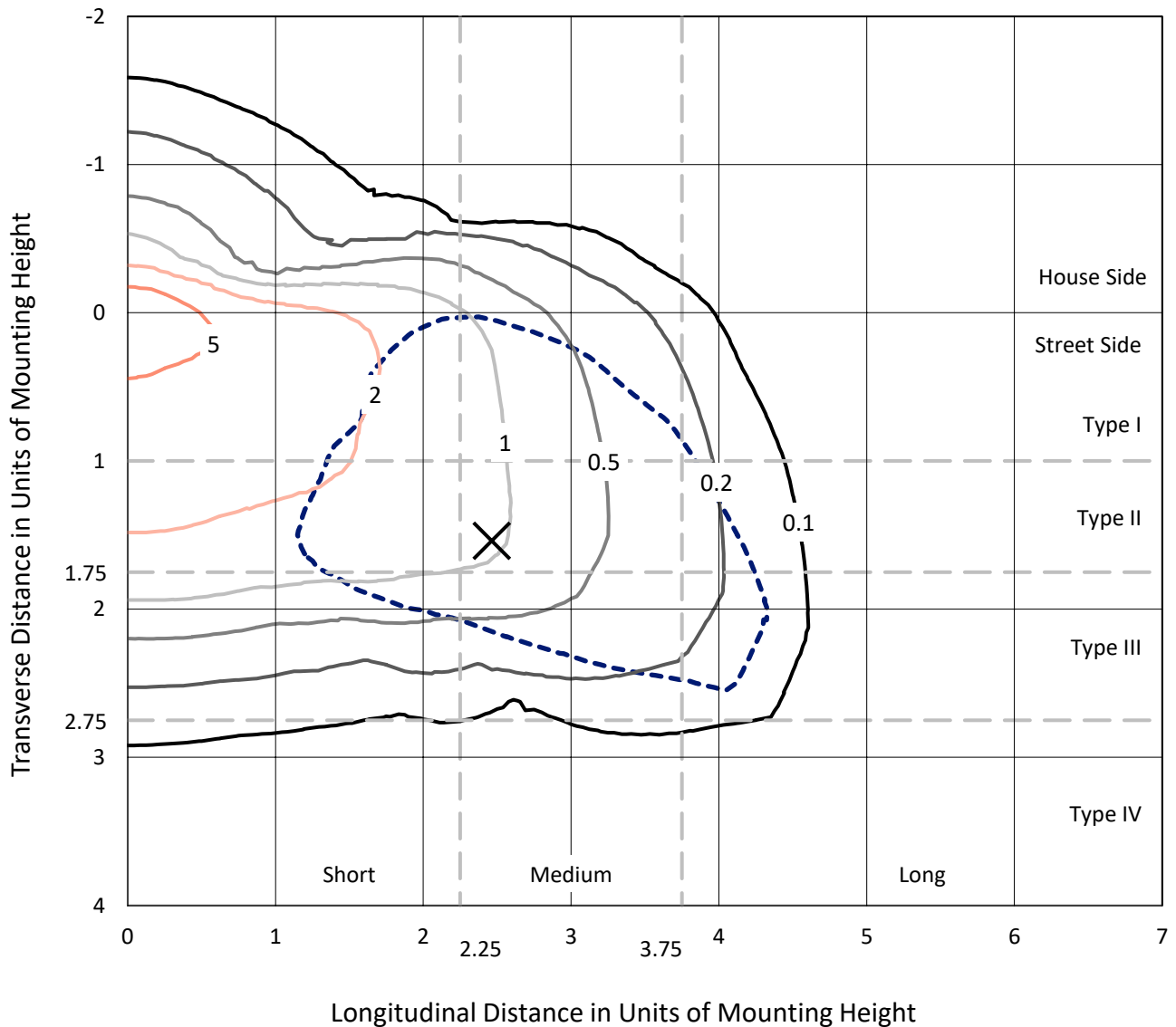
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

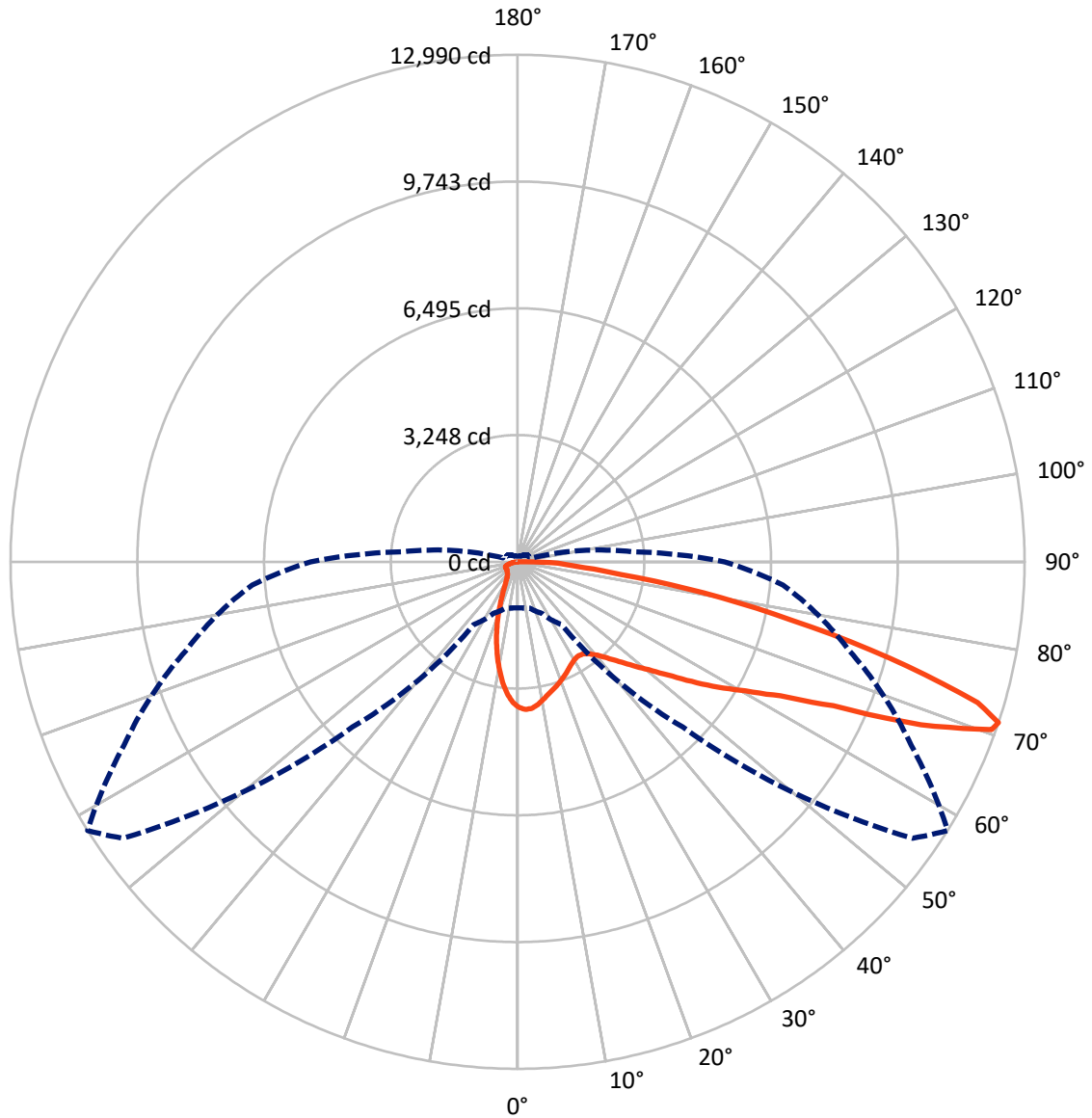
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical



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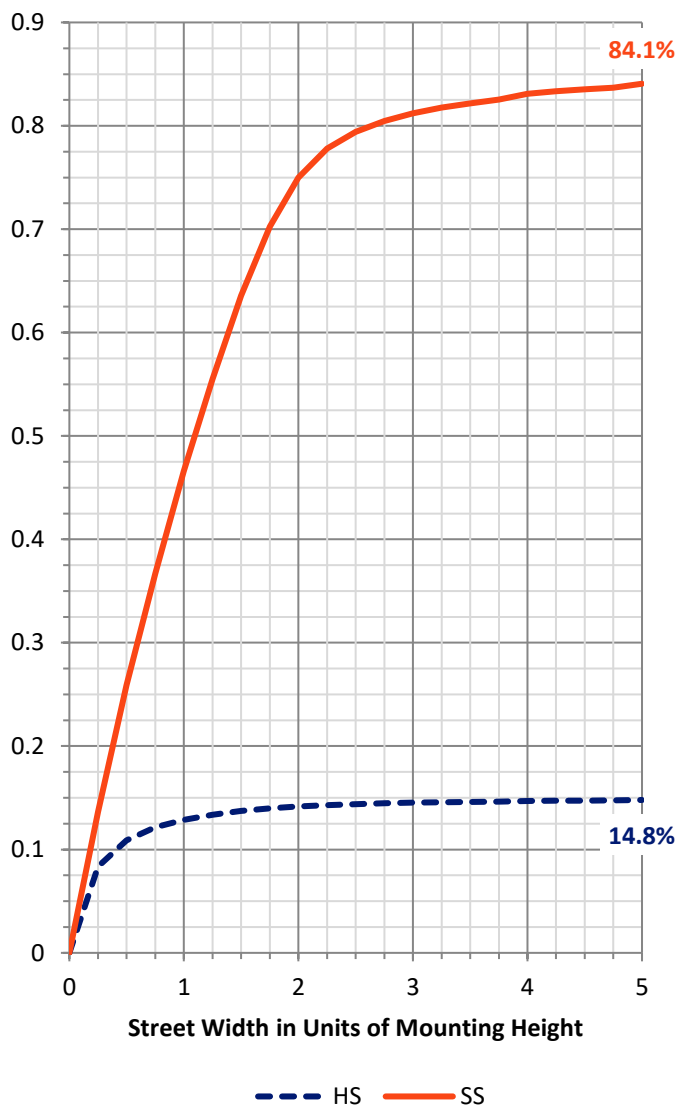
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2010.1	0.0	2010.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	11434.9	0.0	11434.9
	% Fixture	85.0	0.0	85.0
Total	Lumens	13445.0	0.0	13445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.4	2.4
10°-20°	714.6	5.3
20°-30°	908.2	6.8
30°-40°	1156.9	8.6
40°-50°	1640.5	12.2
50°-60°	2538.7	18.9
60°-70°	3456.1	25.7
70°-80°	2305.6	17.1
80°-90°	403.1	3.0
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°	13445.0	100.0
0°-180°	13445.0	100.0

Coefficient of Utilization

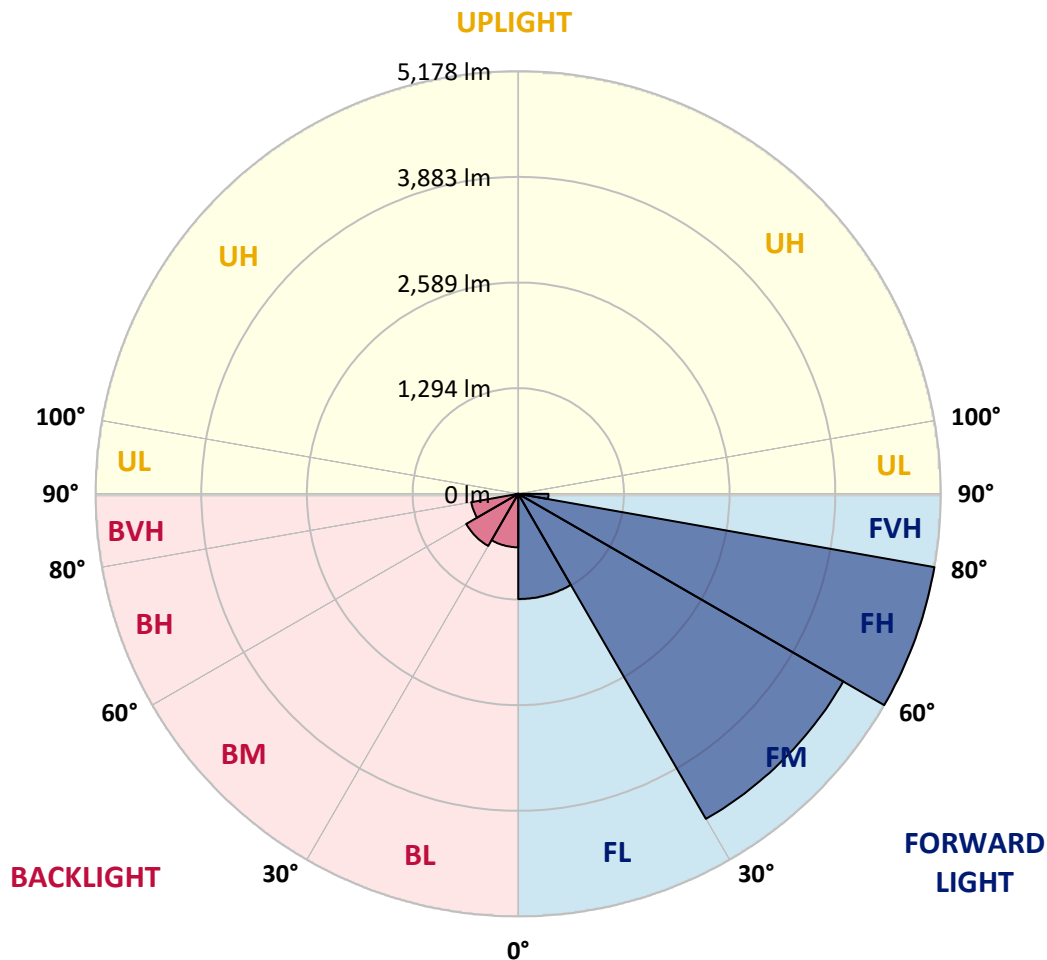


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1288.9	9.6			
FM (30°-60°)	4598.8	34.2			
FH (60°-80°)	5177.5	38.5			G3/7500
FVH (80°-90°)	369.6	2.7			G3/500
BL (0°-30°)	655.2	4.9	B2/1000		
BM (30°-60°)	737.2	5.5	B1/1000		
BH (60°-80°)	584.2	4.3	B2/1000		G2/1000
BVH (80°-90°)	33.5	0.2			G1/100
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°	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°	3824.0	3818.8	3820.7	3817.0	3808.1	3799.2	3786.0	3788.4	3770.1	3743.0	3709.2
5°	3751.9	3750.0	3764.0	3772.0	3778.6	3773.4	3769.7	3774.3	3747.6	3710.2	3651.6
7.5°	3600.6	3580.0	3597.8	3624.5	3649.8	3669.0	3694.3	3697.5	3680.7	3641.3	3564.5
10°	3385.6	3365.9	3392.2	3433.9	3484.4	3530.3	3581.4	3590.8	3594.0	3558.4	3465.2
12.5°	3162.7	3147.7	3173.9	3232.5	3316.3	3387.0	3468.5	3482.6	3511.6	3487.7	3373.4
15°	2963.2	2957.6	2989.4	3047.0	3143.5	3251.7	3369.2	3395.0	3444.2	3436.2	3301.8
17.5°	2790.8	2789.4	2813.8	2874.2	2981.0	3117.7	3270.4	3314.0	3387.0	3396.4	3242.8
20°	2662.5	2659.7	2676.6	2721.0	2831.1	2986.1	3163.6	3223.6	3328.9	3361.7	3181.9
22.5°	2593.7	2593.2	2593.7	2614.7	2704.7	2848.9	3059.7	3132.7	3272.3	3334.1	3114.5
25°	2581.9	2580.5	2570.2	2567.9	2618.9	2734.2	2956.6	3037.2	3218.4	3314.9	3050.3
27.5°	2612.4	2614.3	2600.7	2578.7	2589.0	2658.8	2867.2	2953.3	3175.3	3311.2	3005.8
30°	2675.6	2674.7	2663.0	2640.0	2619.9	2630.7	2803.5	2889.6	3146.3	3327.5	2975.4
32.5°	2745.4	2750.6	2748.2	2735.6	2705.6	2662.5	2784.3	2868.6	3137.9	3366.9	2962.2
35°	2829.2	2834.9	2851.7	2861.5	2826.4	2757.1	2825.5	2898.5	3162.2	3440.9	2983.3
37.5°	2908.8	2923.4	2970.7	3012.4	2982.4	2905.1	2935.1	2987.1	3237.6	3557.5	3040.0
40°	3000.6	3013.3	3090.6	3179.1	3174.4	3094.3	3111.6	3146.3	3370.6	3724.7	3142.6
42.5°	3091.0	3116.3	3228.3	3353.8	3389.8	3319.1	3346.7	3365.0	3558.0	3946.2	3321.5
45°	3211.4	3238.6	3394.0	3545.3	3629.6	3589.8	3633.8	3640.9	3793.5	4247.8	3581.4
47.5°	3393.6	3424.5	3605.7	3764.5	3893.3	3897.5	3970.1	3967.3	4087.7	4593.0	3908.8
50°	3677.4	3721.9	3870.3	4018.8	4175.2	4262.3	4359.3	4345.7	4440.3	4960.6	4285.8
52.5°	4049.3	4069.9	4179.9	4289.5	4483.9	4679.2	4818.3	4806.1	4840.3	5338.6	4713.8
55°	4434.7	4450.2	4495.6	4555.5	4816.9	5135.3	5429.4	5410.2	5323.6	5731.1	5136.7
57.5°	4781.3	4812.6	4844.0	4868.8	5152.2	5612.1	6054.7	6056.1	5848.1	6154.4	5573.7
60°	4835.1	4862.8	5070.2	5266.0	5725.9	6248.1	6723.9	6709.9	6390.9	6613.9	6060.8
62.5°	4274.1	4336.3	4682.9	5203.7	6278.5	7411.5	7577.7	7560.4	7040.1	7180.1	6627.9
65°	3062.9	3133.7	3551.9	4334.5	6010.7	8693.3	9118.5	8885.3	7925.2	7876.5	7292.0
67.5°	1767.0	1783.9	1965.1	2593.7	4576.6	8760.3	11469.1	11142.7	9299.8	8666.6	7617.1
70°	1306.7	1306.2	1349.3	1596.1	2476.6	7149.7	12587.1	12879.8	10747.0	8926.5	7157.6
71°	1181.6	1183.0	1231.3	1452.8	1961.4	5984.4	12349.6	12990.3	11128.2	8798.2	6825.1
72.5°	1010.7	1015.4	1082.3	1302.9	1650.0	4127.0	11326.8	12327.1	11309.0	8481.6	6304.8
75°	766.7	777.4	870.2	1098.3	1508.0	2093.0	8313.0	9843.5	10046.3	7484.0	4684.8
77.5°	547.0	559.2	664.1	923.6	1433.6	1577.4	5567.1	7180.1	7393.2	4796.3	2113.1
80°	345.6	360.2	439.3	734.8	1346.9	1497.7	3498.5	4826.2	4031.5	1534.7	537.7
82.5°	202.8	214.0	272.6	480.0	1100.1	1442.5	2058.3	2675.1	1568.9	463.7	244.5
85°	117.6	122.7	170.0	305.8	799.0	1361.5	1512.3	1495.4	681.0	226.7	115.7
87.5°	54.8	60.9	100.7	159.7	443.5	986.8	1195.2	1032.7	423.4	106.3	54.3
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°	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2	3725.2
2.5°	3692.8	3684.9	3651.6	3622.1	3591.2	3550.9	3506.4	3500.8	3473.7	3478.8	3469.5
5°	3619.8	3599.6	3519.6	3447.0	3361.3	3284.5	3201.1	3162.7	3107.4	3103.7	3089.6
7.5°	3515.3	3477.9	3353.8	3216.1	3078.4	2947.3	2817.5	2732.3	2645.2	2608.2	2604.9
10°	3397.8	3334.1	3151.4	2947.7	2749.1	2557.6	2372.1	2234.9	2111.3	2052.7	2050.4
12.5°	3286.3	3192.2	2941.6	2664.4	2392.7	2144.5	1890.2	1709.9	1554.9	1502.9	1480.9
15°	3191.7	3059.2	2737.4	2382.9	2053.2	1708.5	1419.1	1229.4	1086.1	1036.4	1027.1
17.5°	3099.9	2929.5	2528.1	2098.6	1700.1	1321.2	1031.3	890.3	814.0	793.8	793.4
20°	3008.6	2796.0	2309.4	1807.8	1358.6	988.2	792.9	729.7	703.9	701.6	697.8
22.5°	2905.1	2654.5	2079.4	1516.0	1060.3	777.0	673.9	648.6	645.4	653.8	653.8
25°	2808.2	2514.0	1846.2	1230.3	824.7	648.2	601.8	596.7	605.6	620.5	622.0
27.5°	2717.8	2378.7	1618.6	976.5	660.8	570.9	551.7	557.8	573.7	591.0	591.5
30°	2643.3	2250.8	1397.5	769.5	558.3	513.3	510.0	522.2	539.5	553.1	556.4
32.5°	2585.7	2141.7	1184.0	618.7	491.3	470.2	473.0	483.3	494.1	501.6	506.7
35°	2559.0	2048.0	986.8	521.7	448.7	437.0	440.7	446.3	451.0	456.6	460.8
37.5°	2563.7	1975.5	810.7	461.3	420.1	414.0	414.0	414.0	414.0	416.8	417.3
40°	2607.2	1933.8	667.4	422.9	400.9	394.3	389.2	384.5	380.8	382.6	381.7
42.5°	2718.7	1930.0	562.5	398.6	385.4	374.7	364.4	357.8	353.1	355.0	355.9
45°	2907.9	1976.9	491.8	381.2	370.9	354.5	341.4	334.4	331.1	337.2	338.1
47.5°	3152.9	2079.0	448.7	368.6	357.3	335.8	321.7	315.2	316.1	325.0	327.4
50°	3468.5	2244.7	428.1	360.6	348.0	319.9	305.4	299.7	302.5	315.2	318.0
52.5°	3815.1	2483.6	430.4	358.3	341.9	308.2	292.7	286.2	290.8	302.5	304.9
55°	4215.0	2770.7	469.3	361.6	333.0	300.7	282.4	271.2	274.9	285.7	287.6
57.5°	4659.5	3099.5	547.5	360.6	321.7	293.6	271.6	254.8	257.6	264.1	266.0
60°	5122.2	3496.6	668.8	363.4	316.6	285.2	257.1	236.0	235.1	240.7	241.7
62.5°	5677.7	3956.1	807.4	365.3	319.9	274.4	237.9	217.3	214.5	215.9	216.8
65°	6250.0	4288.6	755.4	357.8	330.2	265.5	221.1	199.0	193.9	193.0	193.4
67.5°	6267.8	3932.2	529.7	342.8	334.4	260.9	208.4	183.6	175.2	171.9	171.4
70°	5621.0	3194.5	412.6	326.9	317.5	253.4	196.7	170.9	158.3	153.1	152.7
71°	5305.3	2940.7	391.1	318.9	304.9	245.9	191.6	165.3	152.2	146.6	145.7
72.5°	4810.3	2636.3	364.8	306.3	280.5	226.7	181.7	157.4	143.8	137.2	135.8
75°	3452.1	1724.0	313.3	273.0	232.3	180.8	159.2	141.4	129.7	121.8	120.8
77.5°	1330.1	686.1	237.0	227.1	178.0	141.4	131.1	122.2	113.8	105.8	105.4
80°	411.2	306.8	172.8	170.9	128.8	105.4	102.1	99.8	96.5	88.0	86.2
82.5°	219.7	176.1	119.0	110.5	84.3	70.3	74.0	74.9	75.4	66.5	65.6
85°	104.9	93.2	67.0	62.8	49.2	39.3	45.4	49.2	49.6	40.7	37.9
87.5°	50.1	48.7	31.4	23.9	18.3	13.1	15.9	19.7	21.5	15.5	13.6
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)