

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: P386835

Luminaire Tested: GAW-SA2C-740-U-SL3

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P386835  
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-740-U-SL3  
Description: GALLEON WALL LUMINAIRE  
(2) 70 CRI, 4000K, 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: 14763 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

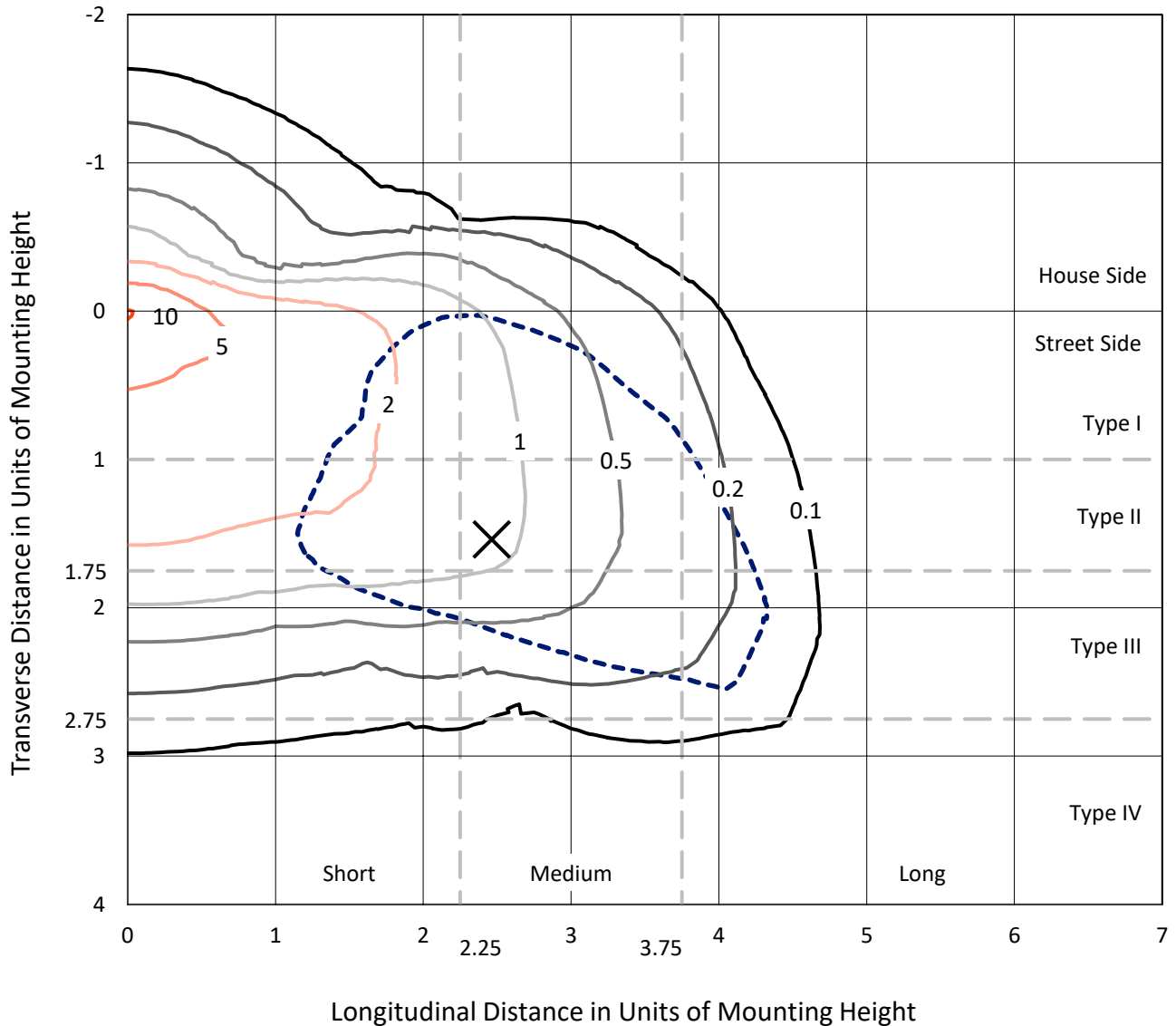
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

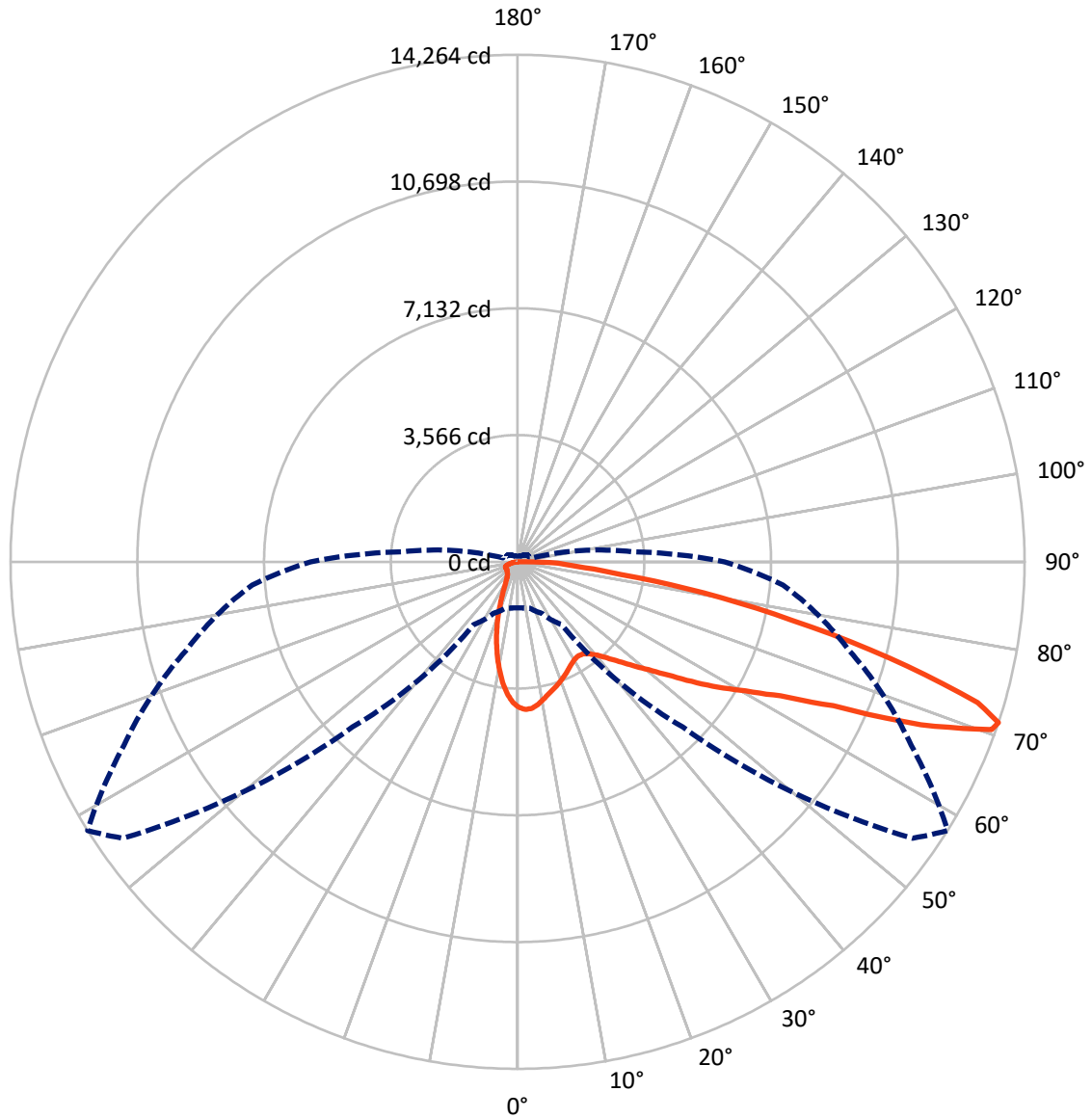
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.2 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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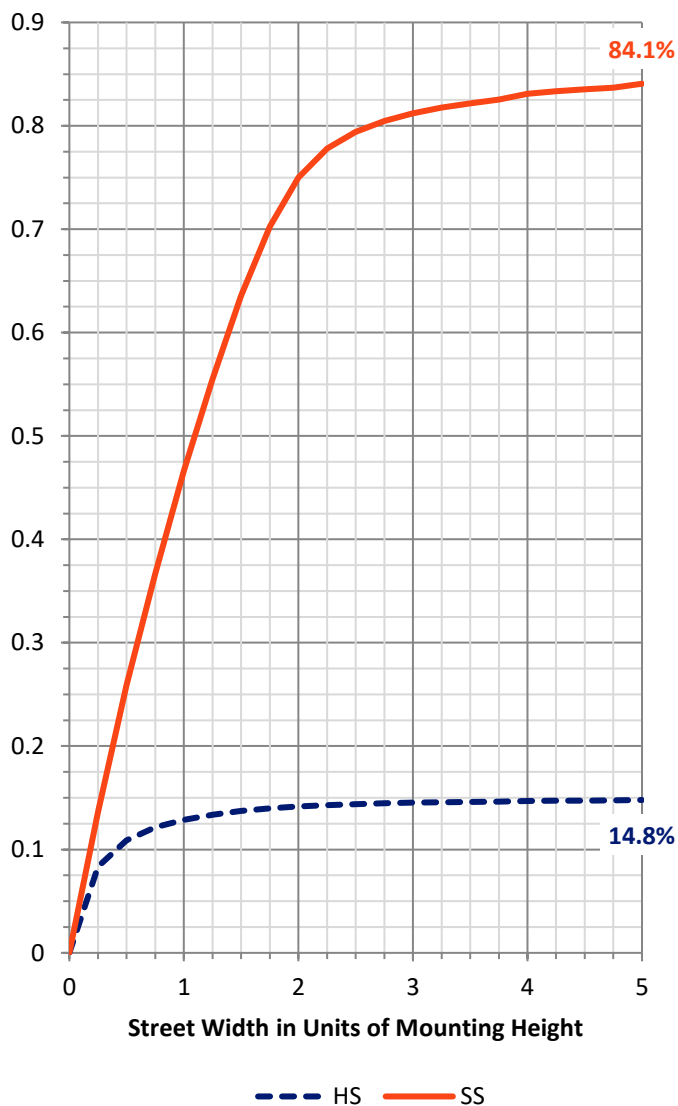
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2207.2	0.0	2207.2
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	12555.8	0.0	12555.8
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	14763.0	0.0	14763.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.9	2.4
10°-20°	784.7	5.3
20°-30°	997.2	6.8
30°-40°	1270.3	8.6
40°-50°	1801.3	12.2
50°-60°	2787.6	18.9
60°-70°	3794.9	25.7
70°-80°	2531.6	17.1
80°-90°	442.6	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°	14763.0	100.0
0°-180°	14763.0	100.0

**Coefficient of Utilization**

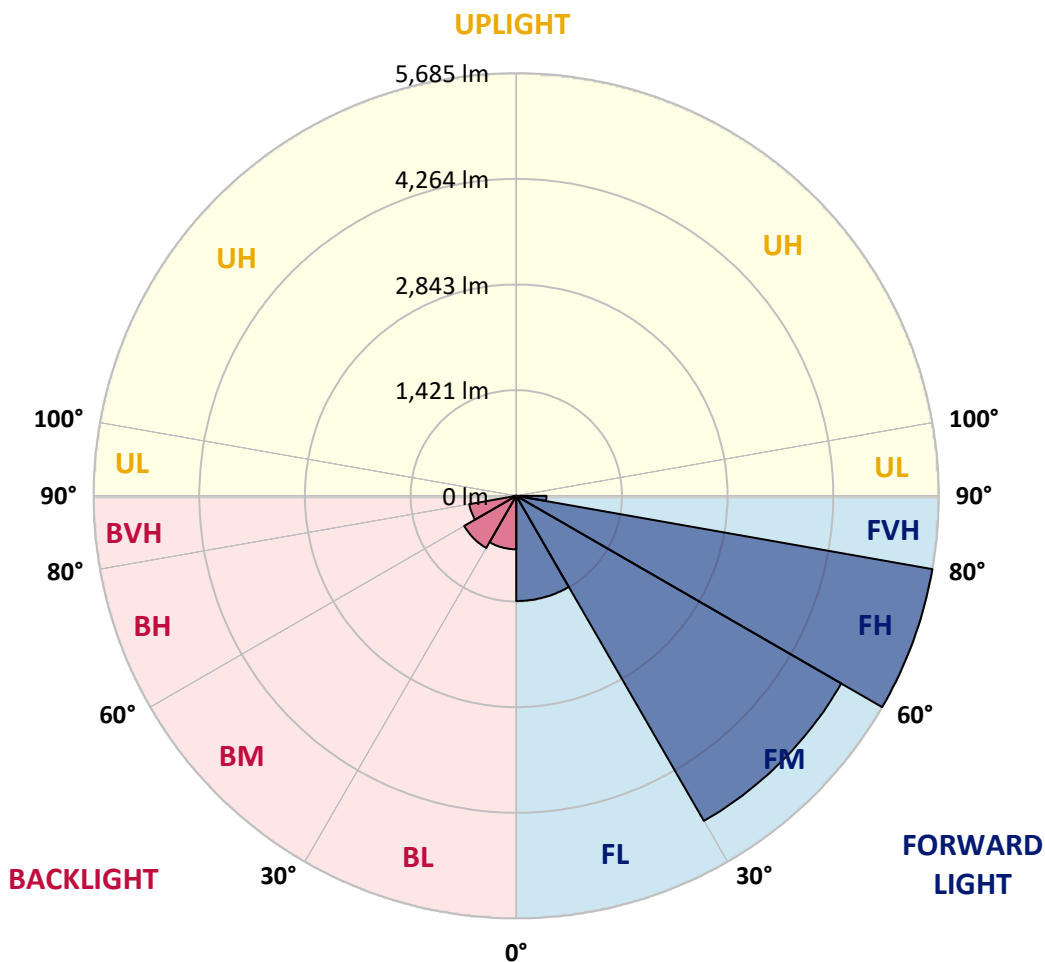


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1415.3	9.6			
FM (30°-60°)	5049.7	34.2			
FH (60°-80°)	5685.1	38.5			G3/7500
FVH (80°-90°)	405.8	2.7			G3/500
BL (0°-30°)	719.5	4.9	B2/1000		
BM (30°-60°)	809.4	5.5	B1/1000		
BH (60°-80°)	641.5	4.3	B2/1000		G2/1000
BVH (80°-90°)	36.8	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°	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3
2.5°	4198.8	4193.2	4195.2	4191.1	4181.4	4171.6	4157.2	4159.8	4139.7	4109.9	4072.9
5°	4119.7	4117.6	4133.0	4141.8	4149.0	4143.3	4139.2	4144.3	4115.0	4073.9	4009.6
7.5°	3953.5	3930.9	3950.5	3979.8	4007.5	4028.6	4056.4	4060.0	4041.5	3998.3	3914.0
10°	3717.5	3695.9	3724.7	3770.5	3826.0	3876.4	3932.5	3942.7	3946.3	3907.3	3804.9
12.5°	3472.7	3456.3	3485.1	3549.3	3641.4	3719.1	3808.5	3824.0	3855.8	3829.6	3704.1
15°	3253.7	3247.5	3282.5	3345.7	3451.6	3570.4	3699.5	3727.8	3781.8	3773.0	3625.5
17.5°	3064.4	3062.9	3089.6	3155.9	3273.2	3423.4	3591.0	3638.8	3719.1	3729.3	3560.7
20°	2923.5	2920.4	2938.9	2987.8	3108.6	3278.9	3473.8	3539.6	3655.3	3691.3	3493.8
22.5°	2847.9	2847.4	2847.9	2871.1	2969.8	3128.2	3359.6	3439.8	3593.1	3660.9	3419.8
25°	2835.1	2833.5	2822.2	2819.6	2875.7	3002.2	3246.5	3334.9	3533.9	3639.9	3349.3
27.5°	2868.5	2870.5	2855.6	2831.5	2842.8	2919.4	3148.2	3242.9	3486.6	3635.7	3300.5
30°	2937.9	2936.9	2924.0	2898.8	2876.7	2888.5	3078.3	3172.9	3454.7	3653.7	3267.0
32.5°	3014.5	3020.2	3017.6	3003.7	2970.8	2923.5	3057.2	3149.8	3445.5	3696.9	3252.6
35°	3106.6	3112.8	3131.3	3142.1	3103.5	3027.4	3102.5	3182.7	3472.2	3778.2	3275.8
37.5°	3194.0	3209.9	3261.9	3307.7	3274.7	3189.9	3222.8	3279.9	3555.0	3906.2	3338.0
40°	3294.8	3308.7	3393.5	3490.7	3485.6	3397.6	3416.7	3454.7	3701.1	4089.8	3450.6
42.5°	3394.0	3421.8	3544.7	3682.5	3722.1	3644.5	3674.8	3694.9	3906.8	4333.1	3647.1
45°	3526.2	3556.0	3726.8	3892.9	3985.4	3941.7	3990.1	3997.8	4165.4	4664.2	3932.5
47.5°	3726.2	3760.2	3959.2	4133.5	4275.0	4279.6	4359.3	4356.2	4488.4	5043.2	4291.9
50°	4037.9	4086.7	4249.8	4412.8	4584.5	4680.2	4786.6	4771.7	4875.6	5446.9	4705.9
52.5°	4446.2	4468.8	4589.7	4710.0	4923.4	5137.9	5290.6	5277.2	5314.8	5861.9	5175.9
55°	4869.4	4886.4	4936.3	5002.1	5289.1	5638.7	5961.7	5940.6	5845.5	6292.9	5640.3
57.5°	5250.0	5284.4	5318.9	5346.1	5657.3	6162.2	6648.2	6649.8	6421.4	6757.7	6120.1
60°	5309.1	5339.4	5567.3	5782.2	6287.2	6860.6	7383.1	7367.6	7017.4	7262.2	6654.9
62.5°	4693.0	4761.4	5142.0	5713.8	6894.0	8138.0	8320.6	8301.5	7730.2	7884.0	7277.7
65°	3363.2	3440.8	3900.1	4759.4	6599.9	9545.5	10012.4	9756.3	8702.1	8648.6	8006.9
67.5°	1940.3	1958.8	2157.8	2847.9	5025.2	9619.0	12593.4	12235.0	10211.4	9516.2	8363.7
70°	1434.8	1434.2	1481.6	1752.6	2719.3	7850.5	13821.0	14142.4	11800.5	9801.6	7859.3
71°	1297.5	1299.0	1352.0	1595.2	2153.7	6571.1	13560.2	14263.7	12219.1	9660.7	7494.2
72.5°	1109.7	1114.9	1188.4	1430.6	1811.7	4531.6	12437.1	13535.6	12417.6	9313.1	6922.8
75°	841.8	853.7	955.5	1205.9	1655.9	2298.2	9127.9	10808.5	11031.2	8217.7	5144.0
77.5°	600.6	614.0	729.2	1014.1	1574.1	1732.0	6112.9	7884.0	8117.9	5266.4	2320.3
80°	379.5	395.5	482.4	806.9	1479.0	1644.6	3841.4	5299.3	4426.7	1685.2	590.4
82.5°	222.7	235.0	299.3	527.1	1208.0	1583.9	2260.1	2937.4	1722.7	509.1	268.4
85°	129.1	134.7	186.7	335.8	877.3	1494.9	1660.5	1642.0	747.7	248.9	127.0
87.5°	60.2	66.9	110.6	175.4	487.0	1083.5	1312.4	1133.9	464.9	116.7	59.7
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°	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3	4090.3
2.5°	4054.9	4046.1	4009.6	3977.2	3943.3	3899.0	3850.2	3844.0	3814.2	3819.8	3809.6
5°	3974.6	3952.5	3864.6	3784.9	3690.8	3606.4	3514.9	3472.7	3412.0	3407.9	3392.5
7.5°	3860.0	3818.8	3682.5	3531.3	3380.2	3236.2	3093.7	3000.1	2904.5	2863.9	2860.3
10°	3730.9	3660.9	3460.4	3236.7	3018.6	2808.3	2604.7	2454.0	2318.2	2254.0	2251.4
12.5°	3608.5	3505.1	3230.0	2925.6	2627.3	2354.7	2075.5	1877.5	1707.3	1650.2	1626.1
15°	3504.6	3359.1	3005.8	2616.5	2254.5	1876.0	1558.2	1349.9	1192.5	1138.0	1127.7
17.5°	3403.8	3216.6	2775.9	2304.4	1866.7	1450.7	1132.4	977.6	893.8	871.7	871.1
20°	3303.5	3070.1	2535.8	1985.0	1491.8	1085.1	870.6	801.2	772.9	770.3	766.2
22.5°	3189.9	2914.8	2283.3	1664.6	1164.3	853.1	740.0	712.2	708.6	717.9	717.9
25°	3083.4	2760.5	2027.2	1350.9	905.6	711.7	660.8	655.2	664.9	681.4	682.9
27.5°	2984.2	2611.9	1777.2	1072.2	725.6	626.9	605.8	612.5	630.0	649.0	649.5
30°	2902.4	2471.5	1534.5	844.9	613.0	563.6	560.0	573.4	592.4	607.3	610.9
32.5°	2839.2	2351.7	1300.0	679.3	539.4	516.3	519.4	530.7	542.5	550.8	556.4
35°	2809.9	2248.8	1083.5	572.9	492.7	479.8	483.9	490.1	495.2	501.4	506.0
37.5°	2815.0	2169.1	890.2	506.5	461.3	454.6	454.6	454.6	454.6	457.7	458.2
40°	2862.8	2123.3	732.8	464.4	440.2	433.0	427.3	422.2	418.1	420.1	419.1
42.5°	2985.2	2119.2	617.6	437.6	423.2	411.4	400.1	392.9	387.7	389.8	390.8
45°	3193.0	2170.6	540.0	418.6	407.3	389.3	374.9	367.2	363.6	370.3	371.3
47.5°	3461.9	2282.8	492.7	404.7	392.4	368.7	353.3	346.1	347.1	356.9	359.5
50°	3808.5	2464.8	470.0	396.0	382.1	351.2	335.3	329.1	332.2	346.1	349.2
52.5°	4189.1	2727.1	472.6	393.4	375.4	338.4	321.4	314.2	319.3	332.2	334.8
55°	4628.2	3042.3	515.3	397.0	365.6	330.1	310.1	297.8	301.9	313.7	315.7
57.5°	5116.3	3403.3	601.2	396.0	353.3	322.4	298.3	279.8	282.8	290.0	292.1
60°	5624.3	3839.4	734.3	399.1	347.6	313.2	282.3	259.2	258.2	264.3	265.4
62.5°	6234.2	4343.9	886.6	401.1	351.2	301.4	261.2	238.6	235.5	237.1	238.1
65°	6862.7	4709.0	829.5	392.9	362.5	291.6	242.7	218.6	212.9	211.9	212.4
67.5°	6882.2	4317.6	581.6	376.4	367.2	286.4	228.8	201.6	192.3	188.7	188.2
70°	6172.0	3507.7	453.1	358.9	348.7	278.2	216.0	187.7	173.8	168.2	167.6
71°	5825.4	3229.0	429.4	350.2	334.8	270.0	210.3	181.5	167.1	161.0	159.9
72.5°	5281.9	2894.7	400.6	336.3	308.0	248.9	199.5	172.8	157.9	150.7	149.1
75°	3790.5	1893.0	344.0	299.8	255.1	198.5	174.8	155.3	142.4	133.7	132.7
77.5°	1460.5	753.4	260.2	249.4	195.4	155.3	144.0	134.2	125.0	116.2	115.7
80°	451.5	336.8	189.8	187.7	141.4	115.7	112.1	109.5	105.9	96.7	94.6
82.5°	241.2	193.4	130.6	121.4	92.6	77.1	81.3	82.3	82.8	73.0	72.0
85°	115.2	102.3	73.5	68.9	54.0	43.2	49.9	54.0	54.5	44.7	41.7
87.5°	55.0	53.5	34.5	26.2	20.1	14.4	17.5	21.6	23.7	17.0	14.9
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)