

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P318437

Luminaire Tested: **GAN-SA3B-750-U-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-750-U-T3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17450 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

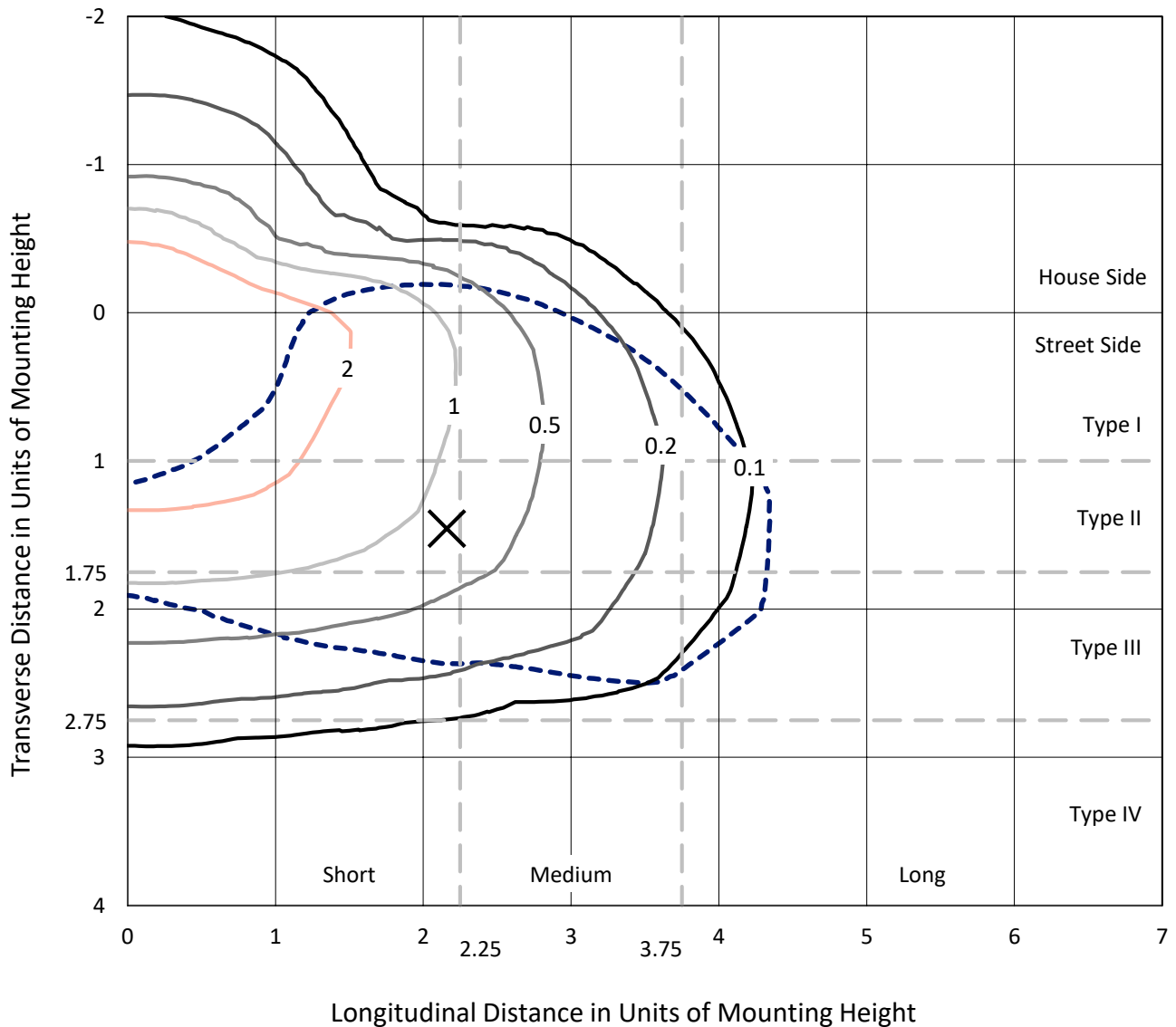
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

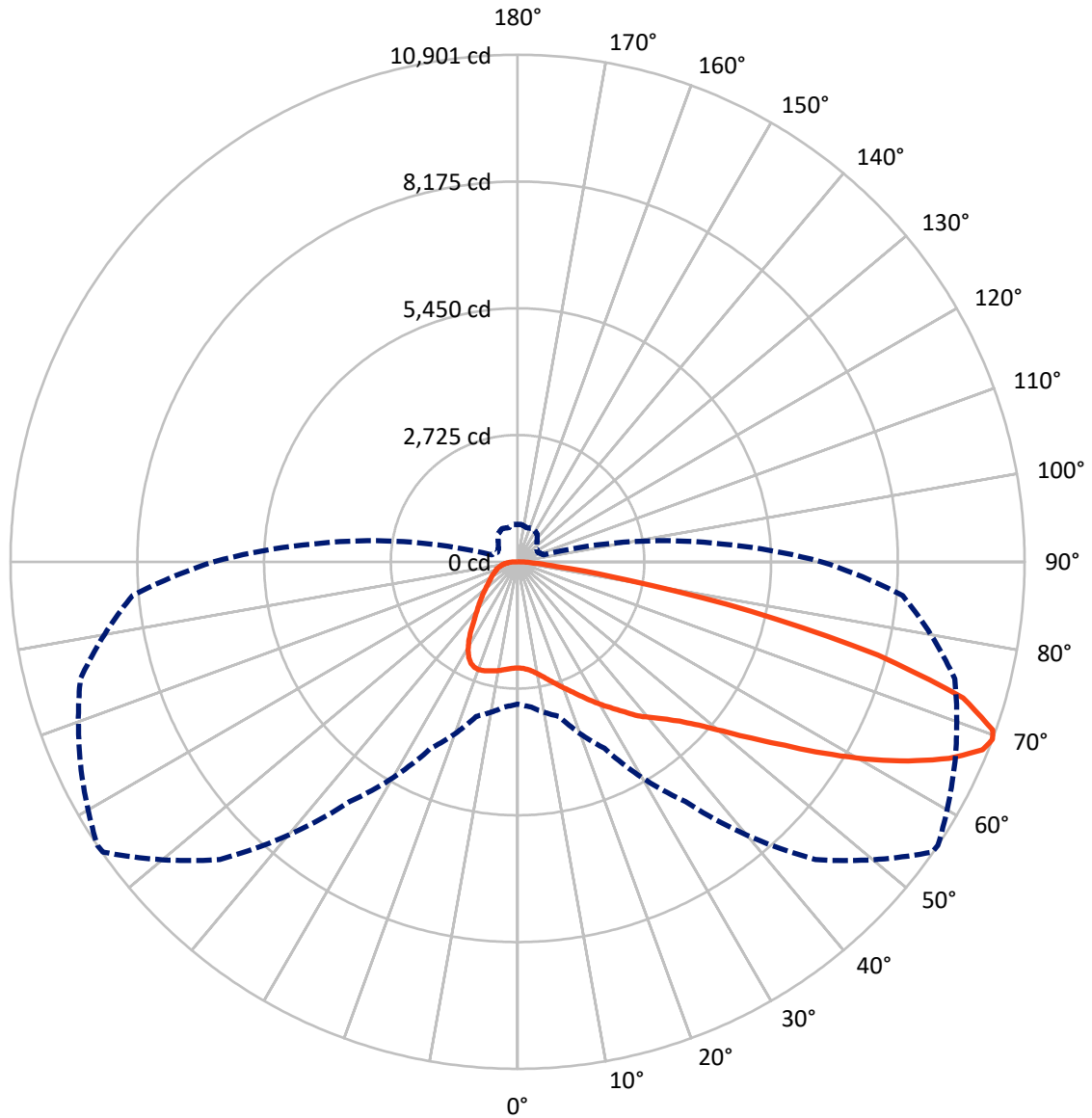
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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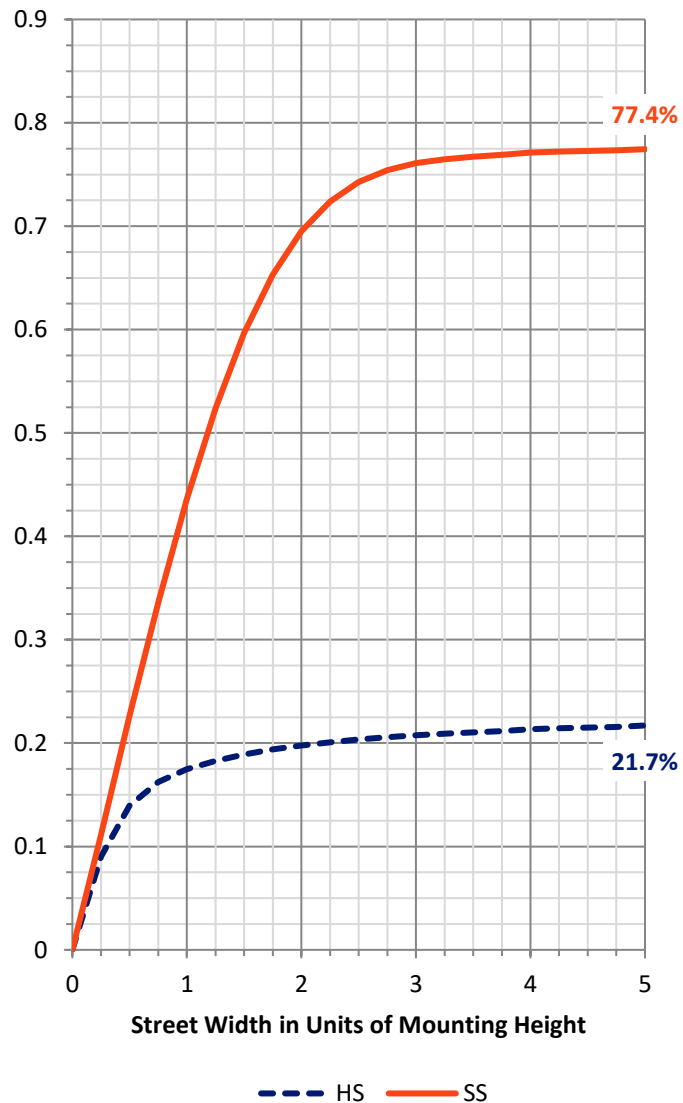
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3886.1	0.0	3886.1
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	13563.9	0.0	13563.9
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	17450.0	0.0	17450.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.1	1.3
10°-20°	720.5	4.1
20°-30°	1257.7	7.2
30°-40°	1806.7	10.4
40°-50°	2500.3	14.3
50°-60°	3663.3	21.0
60°-70°	4466.3	25.6
70°-80°	2469.2	14.2
80°-90°	342.0	2.0
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°	17450.0	100.0
0°-180°	17450.0	100.0

**Coefficient of Utilization**



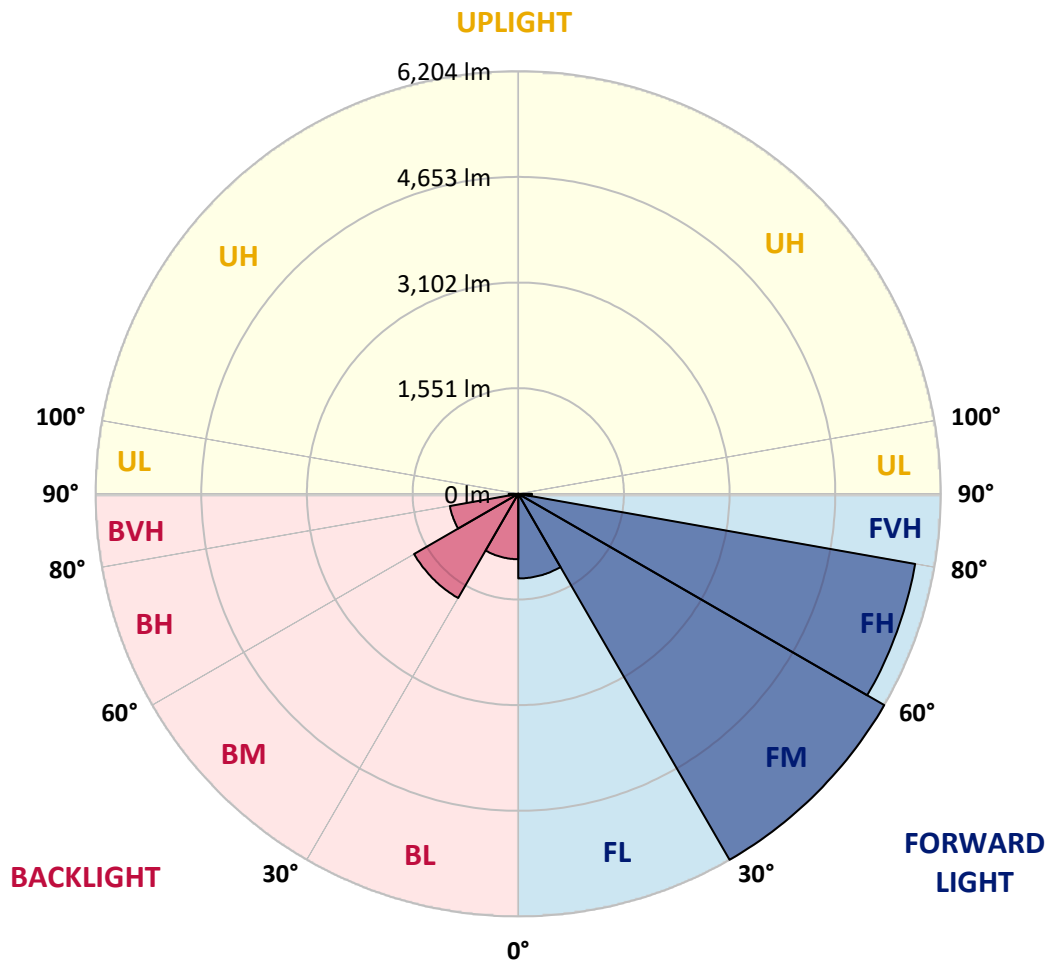
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1241.9	7.1			
FM (30°-60°)	6204.1	35.6			
FH (60°-80°)	5916.4	33.9			G3/7500
FVH (80°-90°)	201.4	1.2			G2/225
BL (0°-30°)	960.3	5.5	B2/1000		
BM (30°-60°)	1766.1	10.1	B2/2500		
BH (60°-80°)	1019.1	5.8	B3/2500		G3/2500
BVH (80°-90°)	140.5	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3
2.5°	2295.8	2298.2	2296.4	2301.2	2295.8	2299.4	2296.4	2296.4	2294.5	2289.1	2283.1
5°	2331.8	2336.6	2333.6	2338.4	2331.8	2333.0	2327.6	2327.6	2322.2	2310.8	2298.8
7.5°	2388.3	2393.7	2391.3	2396.1	2387.1	2387.1	2379.9	2379.3	2368.5	2349.9	2336.0
10°	2455.7	2462.9	2460.5	2467.7	2460.5	2462.9	2455.7	2455.7	2441.2	2414.8	2397.3
12.5°	2553.6	2562.7	2556.0	2555.4	2552.4	2557.2	2551.2	2550.0	2536.8	2500.7	2476.7
15°	2684.7	2694.3	2680.5	2679.3	2662.4	2660.6	2660.6	2658.8	2650.4	2607.1	2567.5
17.5°	2835.6	2838.6	2826.6	2807.3	2785.7	2771.9	2770.1	2774.9	2774.9	2724.4	2661.2
20°	2983.5	2988.9	2979.2	2957.6	2930.0	2909.5	2895.1	2904.7	2904.1	2844.0	2754.4
22.5°	3144.6	3157.2	3142.8	3115.1	3082.6	3059.8	3034.6	3043.0	3043.6	2969.6	2845.8
25°	3353.2	3341.7	3332.7	3293.6	3247.4	3223.9	3200.5	3208.9	3206.5	3104.9	2940.2
27.5°	3537.7	3540.1	3528.1	3486.6	3433.1	3381.4	3380.2	3385.6	3376.6	3245.6	3029.1
30°	3752.3	3753.5	3736.7	3699.4	3641.1	3574.4	3558.7	3567.8	3548.5	3379.0	3122.9
32.5°	3965.7	3971.7	3953.1	3908.0	3861.1	3780.0	3748.7	3754.7	3706.6	3515.5	3219.7
35°	4152.7	4161.1	4155.1	4125.0	4073.9	4004.2	3966.9	3963.3	3903.8	3682.6	3347.7
37.5°	4343.2	4351.0	4344.4	4319.2	4298.7	4224.8	4205.0	4205.0	4101.6	3853.3	3510.7
40°	4539.2	4551.2	4543.4	4508.5	4491.1	4457.5	4410.0	4398.5	4286.7	4058.3	3776.4
42.5°	4721.4	4737.0	4768.2	4747.8	4712.3	4717.1	4621.6	4615.5	4533.8	4361.3	4110.0
45°	4979.8	5002.7	5055.6	5040.0	5032.7	5006.3	4892.7	4887.3	4856.0	4768.8	4524.2
47.5°	5261.8	5293.0	5388.6	5391.6	5469.2	5419.3	5264.8	5246.1	5253.4	5257.0	5029.7
50°	5521.5	5555.7	5712.6	5786.6	5969.3	5980.1	5733.1	5716.2	5744.5	5827.4	5618.9
52.5°	5728.9	5772.1	5968.1	6196.5	6509.7	6598.7	6309.6	6296.9	6318.0	6461.0	6284.9
55°	5880.9	5927.8	6141.2	6557.2	7057.4	7214.3	6973.2	6961.2	6974.4	7156.6	7009.3
57.5°	5916.4	5927.8	6237.4	6800.1	7519.7	7896.6	7785.4	7761.3	7696.4	7855.1	7808.8
60°	5749.9	5795.6	6158.1	6885.5	7877.3	8569.2	8634.2	8604.1	8422.0	8551.8	8514.5
62.5°	5412.1	5493.8	5861.7	6755.6	8017.4	9118.7	9466.7	9430.7	9116.9	9201.0	9021.9
65°	4860.2	4895.1	5281.6	6307.8	7839.5	9470.4	10209.2	10191.1	9796.2	9664.5	9115.7
67.5°	3873.1	3938.7	4266.9	5371.8	7111.5	9428.9	10783.2	10781.4	10239.8	9836.4	8783.3
69°	3059.8	3127.7	3440.3	4425.0	6292.7	9049.6	10879.4	10900.5	10364.8	9731.8	8308.4
70°	2439.4	2518.2	2732.8	3727.1	5566.0	8549.4	10799.5	10837.3	10340.8	9559.3	7870.1
72.5°	1038.2	1101.9	1254.6	1921.2	3392.2	6384.1	9874.3	10017.4	9783.5	8749.0	6504.3
75°	453.3	473.1	542.2	783.3	1505.9	3474.6	7735.5	8000.0	8365.5	7395.2	4845.2
77.5°	331.8	340.2	378.1	459.9	675.7	1312.3	4974.4	5128.3	6033.0	5381.4	2972.0
80°	256.7	262.7	292.2	337.8	441.2	530.8	2268.7	2401.0	3392.2	2764.0	1237.7
82.5°	204.4	208.6	229.0	248.9	304.8	321.6	753.2	835.6	1252.2	763.4	327.6
85°	190.0	194.8	202.0	181.5	195.4	188.8	325.8	340.8	378.1	300.0	137.1
87.5°	86.0	101.6	200.2	141.3	104.0	83.0	133.5	139.5	156.9	157.5	60.7
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°	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3	2281.3
2.5°	2286.7	2284.9	2287.9	2280.7	2289.7	2289.1	2286.1	2287.3	2293.3	2292.7	2293.3
5°	2300.6	2299.4	2303.0	2297.6	2308.4	2312.0	2312.6	2318.0	2324.6	2326.4	2326.4
7.5°	2335.4	2335.4	2337.2	2330.0	2337.2	2336.6	2333.6	2339.0	2345.6	2346.2	2345.6
10°	2395.5	2396.1	2393.1	2374.5	2368.5	2352.3	2337.2	2337.8	2346.2	2352.9	2354.7
12.5°	2471.3	2468.9	2455.7	2421.4	2396.1	2363.1	2347.5	2346.8	2355.3	2360.7	2362.5
15°	2557.8	2551.2	2517.0	2461.1	2416.6	2384.1	2358.9	2352.9	2348.1	2342.0	2342.6
17.5°	2639.6	2624.6	2567.5	2489.9	2443.0	2399.7	2351.1	2312.0	2284.9	2269.3	2264.5
20°	2722.6	2693.1	2610.7	2517.0	2457.5	2378.7	2284.9	2205.6	2156.3	2133.4	2129.2
22.5°	2798.3	2750.8	2651.0	2545.2	2446.0	2307.8	2160.5	2045.1	1976.5	1945.9	1948.3
25°	2872.2	2806.1	2693.1	2565.1	2388.3	2182.7	1987.4	1845.5	1766.1	1731.9	1730.7
27.5°	2937.2	2862.0	2738.8	2548.8	2280.7	2004.8	1782.4	1644.1	1578.0	1548.5	1543.7
30°	3011.7	2932.4	2799.5	2486.9	2123.2	1799.2	1582.2	1484.8	1437.9	1408.5	1403.1
32.5°	3102.5	3027.9	2849.4	2374.5	1921.8	1584.6	1425.9	1358.0	1315.3	1282.2	1276.2
35°	3234.7	3154.2	2862.0	2213.4	1700.6	1415.1	1311.1	1241.4	1183.6	1141.0	1136.8
37.5°	3400.6	3312.3	2833.2	2004.8	1486.0	1305.1	1215.5	1129.5	1054.4	994.3	984.7
40°	3639.9	3506.4	2753.2	1764.3	1327.9	1220.3	1122.3	1024.3	931.2	860.8	847.0
42.5°	3927.2	3734.3	2630.6	1525.1	1211.9	1134.4	1029.8	908.3	819.4	769.5	762.2
45°	4292.7	3971.1	2460.5	1315.9	1097.7	1048.4	930.0	818.2	762.8	726.2	720.2
47.5°	4709.9	4236.8	2281.9	1145.8	1000.9	967.8	850.0	777.9	734.0	705.1	699.7
50°	5222.7	4536.8	2092.6	1006.3	903.5	871.1	812.1	755.6	720.8	698.5	693.1
52.5°	5801.0	4875.2	1956.1	896.3	823.0	799.5	792.3	743.6	715.4	698.5	693.1
55°	6423.8	5219.7	1808.8	803.7	753.2	759.8	779.1	744.8	725.6	705.1	697.3
57.5°	7047.2	5575.6	1644.7	725.6	697.9	730.4	770.1	747.2	731.0	711.1	703.9
60°	7540.1	5801.0	1390.4	660.1	654.0	697.9	748.4	729.2	708.1	708.7	707.5
62.5°	7770.3	5789.0	1109.7	601.7	610.2	654.0	713.6	700.9	683.5	706.9	708.7
65°	7641.1	5500.4	863.8	548.8	563.3	608.4	677.5	687.1	693.1	738.2	744.2
67.5°	7098.9	4939.0	669.1	502.6	520.6	577.1	681.1	748.4	756.2	803.7	803.1
69°	6538.0	4412.4	581.3	478.5	499.5	584.9	728.0	787.5	758.0	808.5	801.3
70°	6067.9	3995.8	534.4	462.3	489.9	598.7	759.2	786.9	749.0	792.3	780.3
72.5°	4673.3	2874.6	453.3	432.2	457.5	572.9	768.3	769.5	728.0	736.4	716.0
75°	3205.3	1816.6	395.5	391.3	408.2	516.4	739.4	735.2	673.3	661.3	644.4
77.5°	1767.4	922.7	336.0	352.3	363.7	457.5	672.1	666.1	615.0	589.7	583.7
80°	681.7	404.0	283.7	313.2	320.4	396.2	589.1	583.7	541.0	508.6	499.5
82.5°	257.3	211.6	234.4	271.1	268.7	327.0	498.9	495.9	454.5	407.0	392.5
85°	119.0	126.8	185.8	223.6	206.2	242.3	399.2	404.6	354.1	297.6	297.6
87.5°	50.5	70.9	131.6	168.9	138.9	163.5	292.8	279.5	256.7	177.9	167.1
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)