

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: P317717

Luminaire Tested: **GAN-SA3B-730-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-730-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16244 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

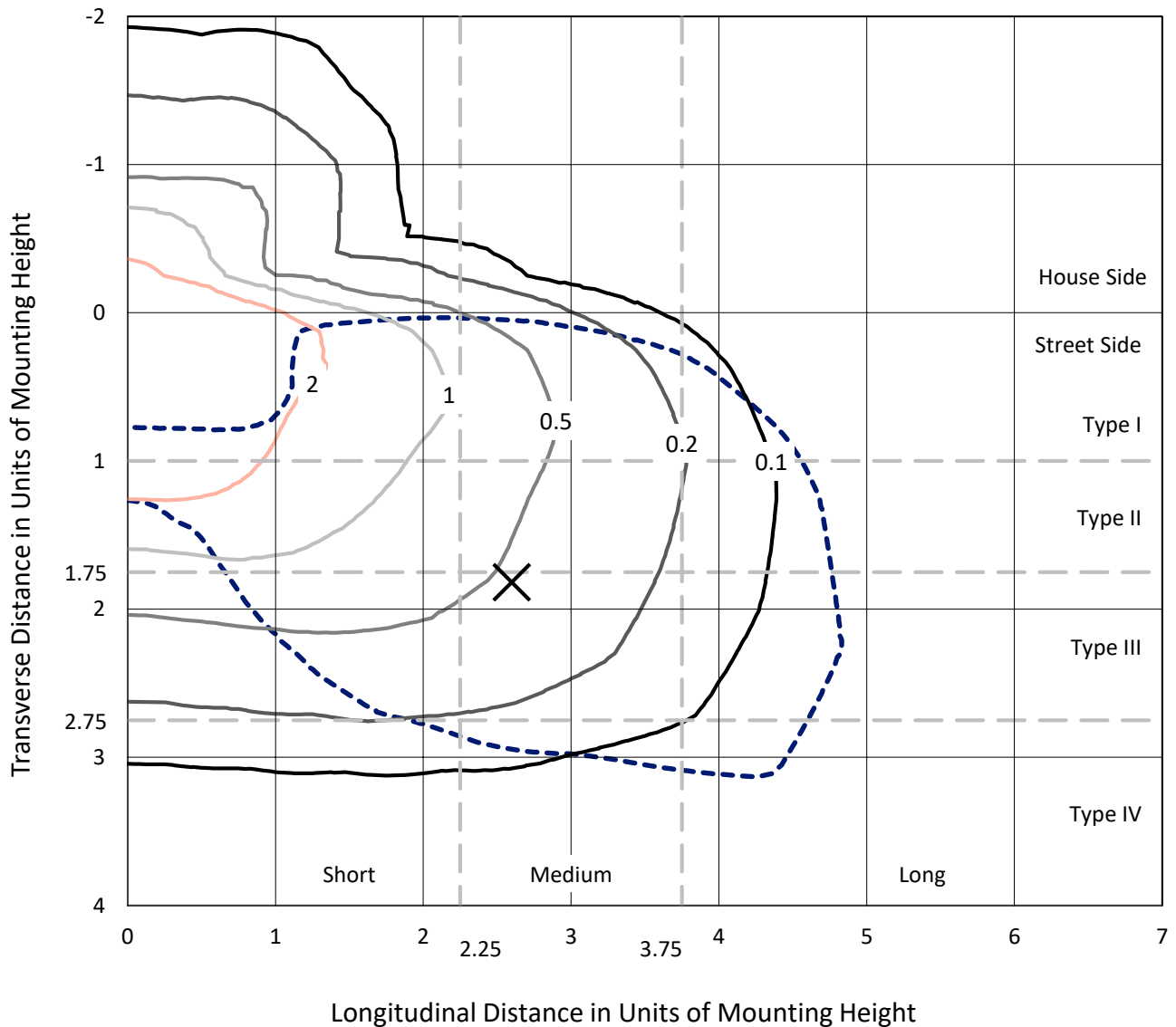
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

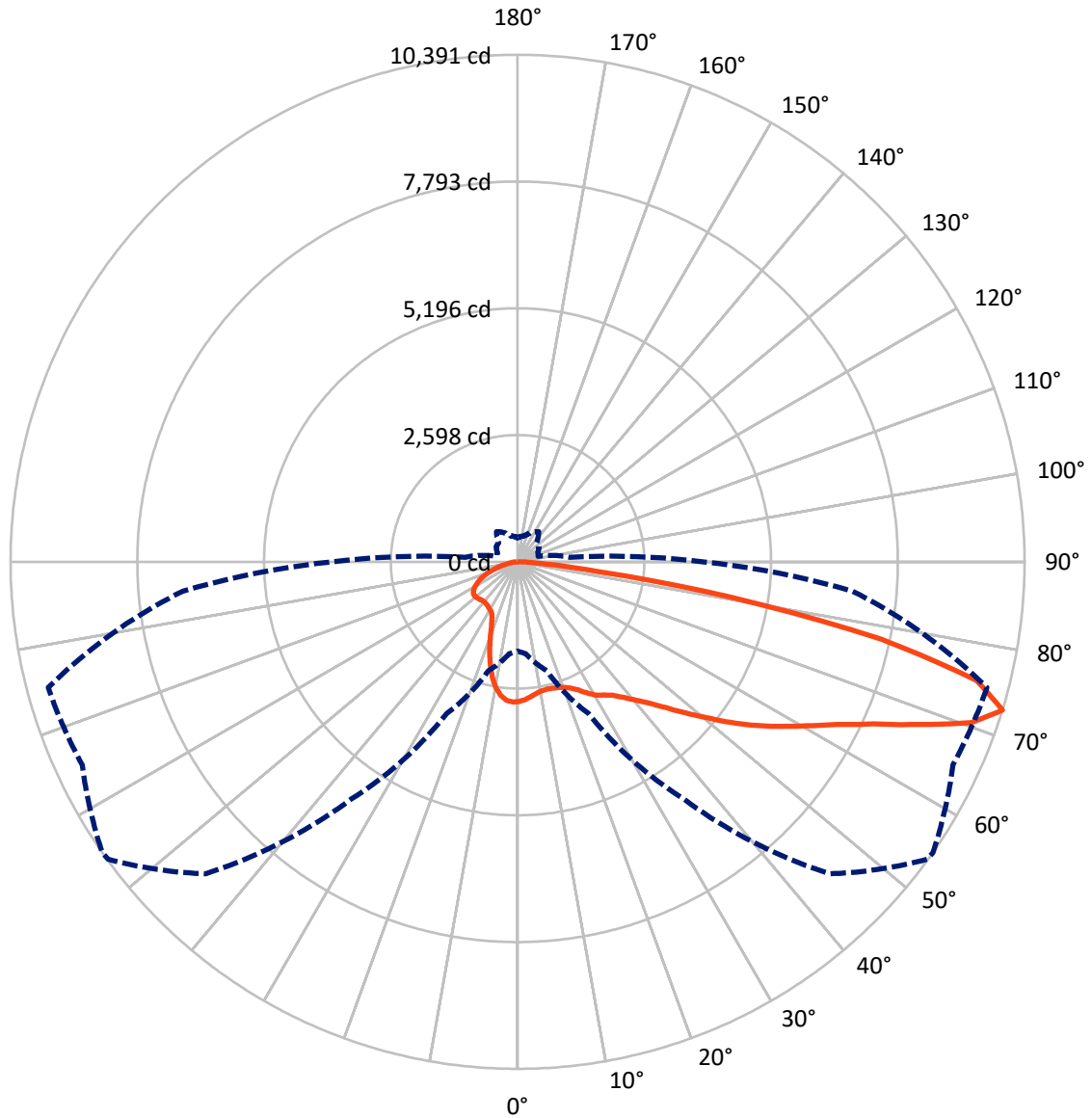
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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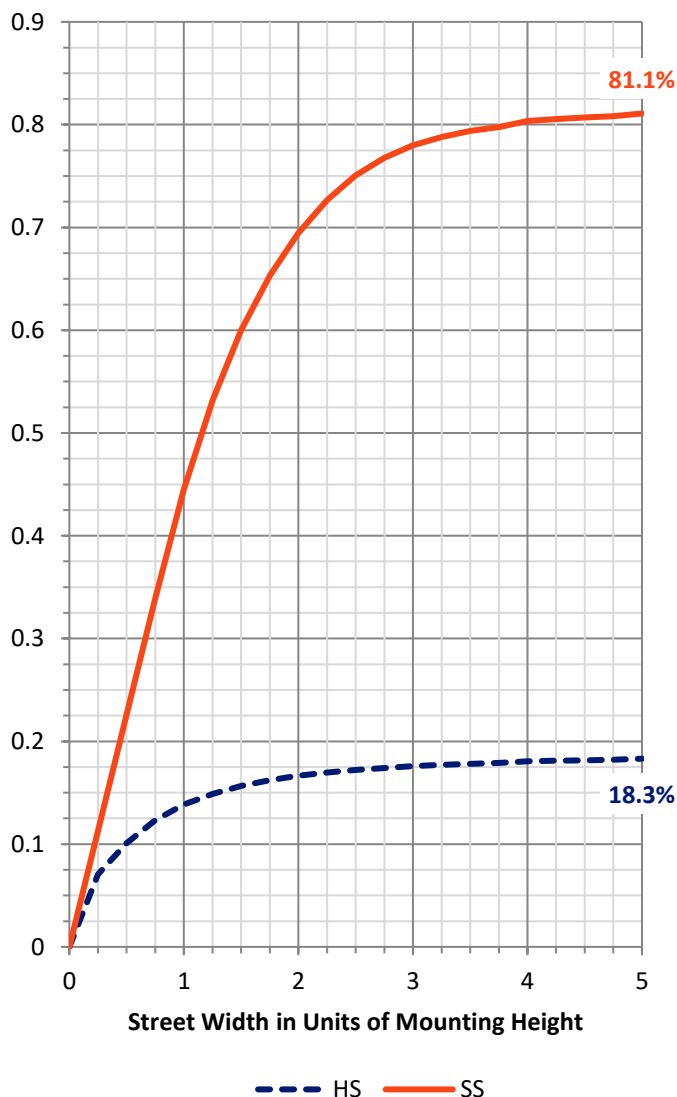
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3019.2	0.0	3019.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	13224.8	0.0	13224.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	16244.0	0.0	16244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.3	1.6
10°-20°	690.2	4.2
20°-30°	1138.0	7.0
30°-40°	1683.4	10.4
40°-50°	2349.7	14.5
50°-60°	3059.4	18.8
60°-70°	3759.9	23.1
70°-80°	2947.3	18.1
80°-90°	356.7	2.2
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°	16244.0	100.0
0°-180°	16244.0	100.0

Coefficient of Utilization

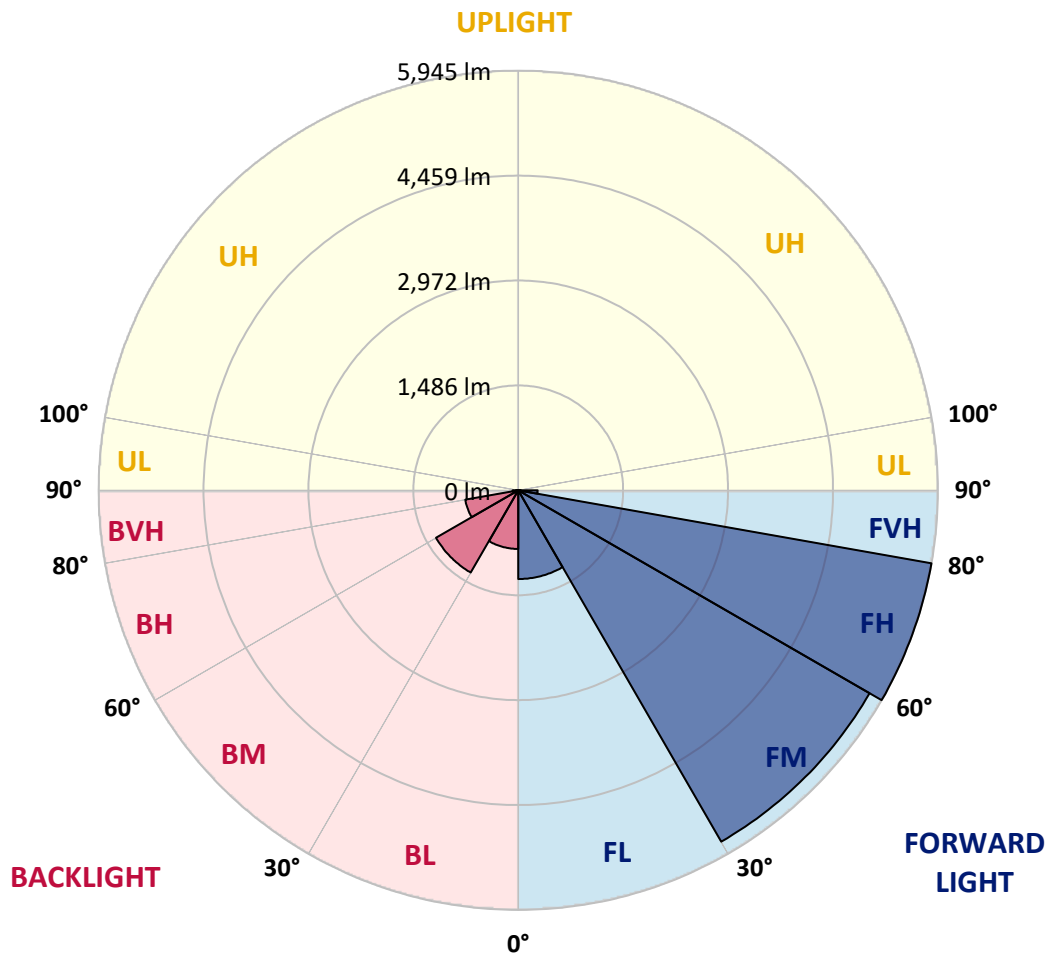


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1256.8	7.7			
FM (30°-60°)	5747.4	35.4			
FH (60°-80°)	5944.8	36.6			G3/7500
FVH (80°-90°)	275.8	1.7			G3/500
BL (0°-30°)	830.7	5.1	B2/1000		
BM (30°-60°)	1345.1	8.3	B2/2500		
BH (60°-80°)	762.5	4.7	B2/1000		G2/1000
BVH (80°-90°)	80.9	0.5			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1
2.5°	2771.8	2765.2	2773.5	2785.0	2797.6	2814.6	2824.5	2828.9	2845.9	2852.5	2866.7
5°	2643.4	2640.1	2653.9	2673.6	2701.6	2741.1	2772.9	2779.0	2823.9	2855.8	2884.8
7.5°	2550.2	2550.2	2566.1	2589.7	2620.9	2674.2	2719.1	2727.4	2803.6	2872.2	2926.0
10°	2476.1	2478.8	2497.5	2525.5	2562.2	2618.7	2678.5	2687.9	2798.2	2910.6	2996.2
12.5°	2426.7	2433.3	2450.3	2475.5	2521.1	2589.7	2665.4	2678.0	2809.7	2965.5	3080.7
15°	2458.0	2469.0	2470.6	2481.0	2506.3	2580.9	2673.1	2686.2	2834.4	3021.5	3176.7
17.5°	2595.2	2599.0	2582.0	2560.0	2548.0	2595.7	2696.1	2709.8	2864.0	3076.9	3268.9
20°	2803.6	2801.4	2764.7	2705.4	2644.0	2651.7	2734.0	2748.2	2904.0	3125.7	3361.1
22.5°	3067.0	3059.3	3002.8	2893.6	2788.8	2744.9	2800.4	2812.4	2964.4	3195.4	3459.8
25°	3386.3	3369.3	3294.7	3148.2	2994.0	2881.0	2900.2	2911.7	3052.2	3273.3	3550.4
27.5°	3723.2	3706.2	3611.3	3434.1	3228.9	3052.7	3037.9	3047.8	3152.0	3330.9	3617.3
30°	4075.4	4057.3	3970.6	3772.0	3477.9	3230.5	3166.3	3170.1	3222.3	3362.2	3672.2
32.5°	4429.3	4412.3	4315.2	4084.8	3748.4	3421.4	3259.0	3254.1	3264.5	3394.5	3734.2
35°	4788.1	4794.7	4681.2	4426.0	4048.0	3633.8	3368.8	3358.3	3335.3	3460.9	3822.0
37.5°	5172.2	5167.8	5020.8	4754.1	4361.3	3864.2	3526.2	3524.6	3445.0	3586.6	3959.7
40°	5429.0	5431.7	5342.3	5089.9	4677.9	4119.3	3728.1	3724.3	3620.0	3774.8	4140.2
42.5°	5529.4	5547.5	5570.5	5410.3	5009.2	4415.1	3969.0	3963.5	3864.2	4044.7	4352.5
45°	5536.5	5572.7	5715.4	5695.1	5345.0	4753.6	4276.8	4261.4	4190.1	4403.5	4606.0
47.5°	5475.1	5512.4	5749.4	5864.6	5645.1	5110.7	4636.7	4624.6	4563.2	4852.3	4880.3
50°	5340.6	5376.3	5679.2	5947.5	5892.0	5454.2	5051.5	5019.7	4986.8	5370.8	5194.1
52.5°	5088.8	5157.4	5585.3	5967.2	6039.6	5759.3	5487.7	5466.8	5484.9	5917.8	5508.5
55°	4492.4	4569.2	5343.4	5950.7	6148.8	6015.5	5923.9	5922.8	6016.6	6491.7	5846.0
57.5°	4158.3	4212.6	4850.7	5922.8	6278.3	6270.1	6355.7	6366.1	6548.8	7116.6	6199.3
60°	3969.5	4026.6	4601.0	5819.1	6479.1	6599.3	6796.2	6817.1	7089.8	7808.5	6624.5
62.5°	3797.8	3860.4	4446.3	5607.8	6715.6	7070.0	7324.0	7342.7	7662.6	8519.6	7035.4
65°	3504.3	3575.1	4219.7	5469.0	6930.6	7684.0	7995.0	8007.7	8320.4	9264.6	7349.8
67.5°	3089.5	3154.2	3792.3	5162.3	7089.8	8429.6	8887.2	8894.3	8972.8	9790.8	7510.6
70°	2605.0	2629.7	3183.3	4529.2	6901.6	9126.9	9864.9	9866.5	9567.5	10127.7	7484.2
72.5°	1830.3	1888.5	2310.9	3428.6	5931.0	9041.9	10372.4	10391.0	9844.0	9957.6	6886.2
75°	1122.6	1184.0	1449.6	2077.8	3762.7	7111.2	9583.4	9712.9	9325.5	8878.4	5625.4
77.5°	750.6	773.6	945.9	1211.4	1704.7	4091.3	7367.9	7611.5	7747.1	6474.7	3597.6
80°	418.6	462.5	627.1	752.8	758.2	1625.7	4417.8	4474.9	4310.3	2578.1	1109.9
82.5°	221.7	245.8	418.6	442.2	413.7	544.3	1646.5	1648.2	1377.1	691.3	329.7
85°	171.7	192.0	286.9	269.9	211.2	241.4	543.2	572.8	468.6	283.1	107.5
87.5°	85.6	106.4	194.8	171.2	82.8	69.1	194.2	207.4	184.9	110.8	39.0
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°	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1	2865.1
2.5°	2872.2	2877.2	2883.2	2876.6	2874.4	2865.6	2850.8	2847.5	2839.9	2840.4	2844.8
5°	2897.5	2905.7	2902.4	2877.2	2847.0	2804.7	2760.8	2723.5	2698.8	2697.2	2695.6
7.5°	2945.7	2951.2	2925.4	2853.6	2769.1	2671.4	2579.2	2498.6	2449.8	2437.7	2434.9
10°	3021.5	3020.4	2949.6	2804.7	2636.3	2461.8	2313.7	2201.8	2136.5	2117.3	2112.3
12.5°	3106.0	3093.3	2957.8	2715.9	2448.7	2206.7	2019.1	1894.5	1826.5	1804.5	1799.0
15°	3193.2	3161.9	2937.5	2583.1	2218.2	1931.8	1734.9	1619.6	1582.9	1570.8	1568.6
17.5°	3274.4	3214.0	2879.4	2403.1	1955.4	1658.0	1504.4	1458.3	1467.1	1483.0	1483.6
20°	3353.9	3249.2	2786.1	2176.0	1678.3	1432.5	1380.4	1414.4	1456.1	1488.5	1492.9
22.5°	3432.4	3273.8	2665.9	1913.7	1430.4	1305.8	1342.6	1404.6	1452.3	1487.4	1493.4
25°	3498.2	3279.9	2500.2	1633.9	1258.1	1258.1	1324.5	1383.2	1430.4	1464.9	1471.0
27.5°	3522.4	3239.3	2266.5	1374.9	1171.4	1236.1	1299.2	1348.1	1388.1	1424.9	1431.4
30°	3531.7	3164.1	1996.6	1167.0	1135.7	1212.5	1265.2	1306.9	1344.8	1379.3	1385.4
32.5°	3533.4	3073.6	1710.2	1049.0	1111.0	1187.8	1223.0	1259.7	1300.3	1314.0	1316.2
35°	3543.8	2966.6	1408.4	988.7	1088.0	1164.8	1192.8	1219.1	1153.3	1158.2	1162.6
37.5°	3574.0	2860.7	1156.0	954.7	1073.2	1152.7	1186.2	1090.7	1039.2	1027.1	1025.4
40°	3630.5	2747.7	968.9	927.2	1067.7	1158.8	1144.0	1018.3	929.4	863.0	853.2
42.5°	3708.9	2625.9	849.3	909.1	1071.5	1187.8	1085.2	948.6	801.0	758.2	752.8
45°	3797.3	2498.0	784.6	896.5	1084.7	1210.3	1073.2	855.9	741.2	708.9	706.1
47.5°	3882.9	2341.7	751.1	891.0	1102.8	1192.2	1022.1	827.4	712.7	695.7	697.3
50°	3981.1	2200.7	730.8	885.0	1118.7	1180.7	964.5	812.6	701.7	722.6	744.5
52.5°	4063.9	2054.7	712.7	872.9	1124.7	1160.4	949.7	815.3	701.7	741.8	762.6
55°	4162.1	1944.4	691.9	847.7	1113.2	1102.8	939.3	831.8	710.0	684.7	686.9
57.5°	4288.9	1908.2	668.8	808.2	1074.8	1018.9	934.4	847.7	705.0	689.1	694.6
60°	4464.4	1946.6	659.5	756.6	1015.0	953.0	934.9	839.4	670.5	643.0	643.6
62.5°	4631.8	1989.4	658.9	724.2	941.5	894.3	922.3	812.6	652.9	637.0	643.0
65°	4686.6	1946.1	632.6	688.0	858.6	824.1	899.3	784.0	639.7	615.6	614.5
67.5°	4613.1	1811.7	579.4	629.3	763.7	742.3	869.1	750.0	618.9	599.1	595.8
70°	4394.8	1511.6	513.5	551.9	655.6	650.2	821.3	710.5	590.9	573.9	559.6
72.5°	3807.1	1077.0	432.9	459.2	533.8	551.4	755.5	658.9	551.4	514.6	492.7
75°	3126.8	797.2	355.5	361.0	405.5	453.2	665.0	598.6	504.8	442.2	425.2
77.5°	1914.8	487.8	283.1	285.3	290.8	361.6	547.6	531.1	445.5	368.7	356.6
80°	620.0	266.1	204.6	215.1	198.6	265.0	423.6	452.1	382.4	308.3	295.2
82.5°	235.9	155.3	138.3	145.4	137.7	177.8	308.9	362.1	313.3	253.5	206.3
85°	114.1	87.8	81.8	91.6	85.0	91.1	197.5	266.6	237.6	165.1	153.6
87.5°	40.6	39.0	31.3	42.2	36.2	32.4	60.4	134.4	156.9	113.6	101.5
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)