

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: P653951

Luminaire Tested: **GLAN-SA6A-840-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-840-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13619.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

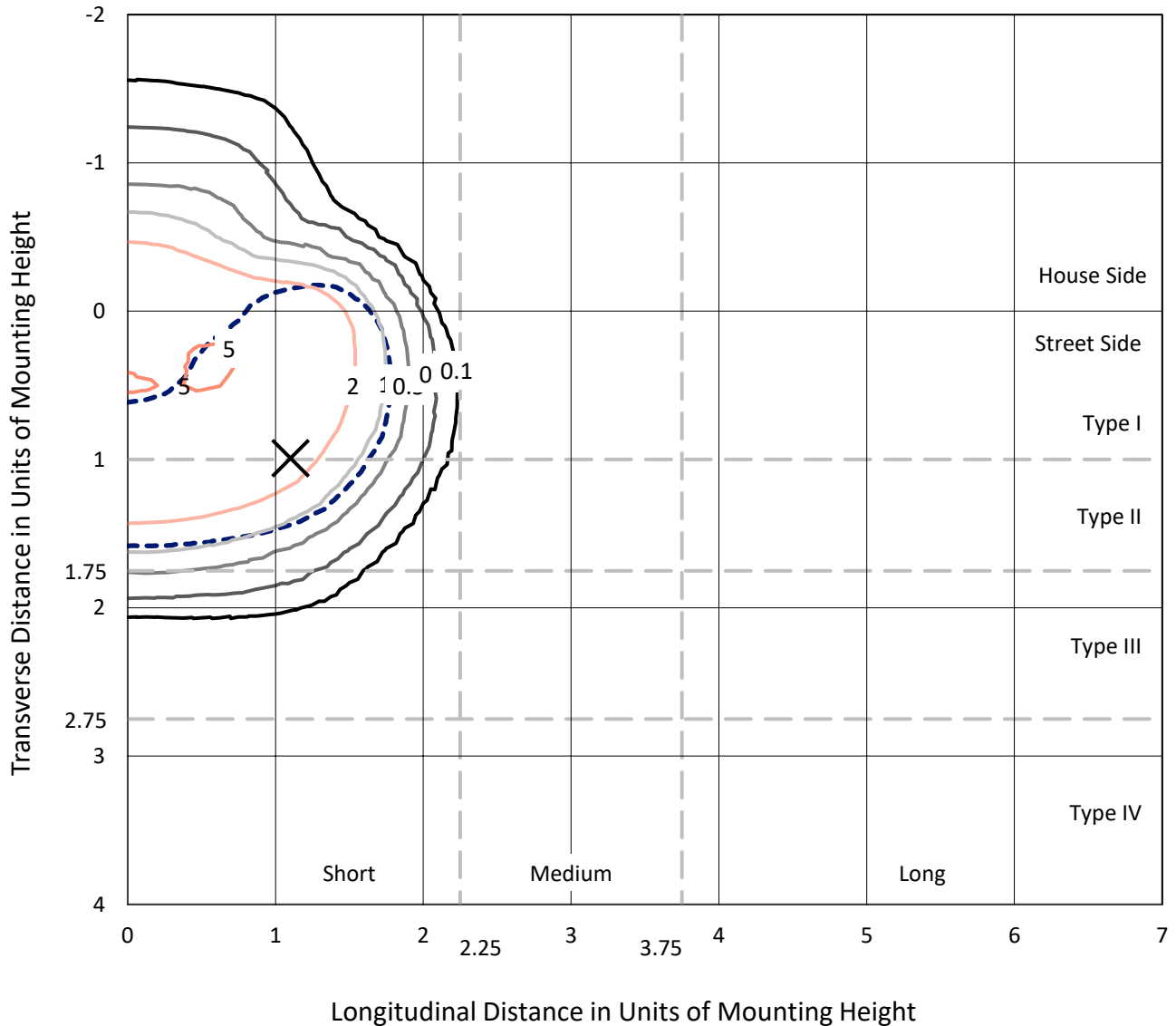
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

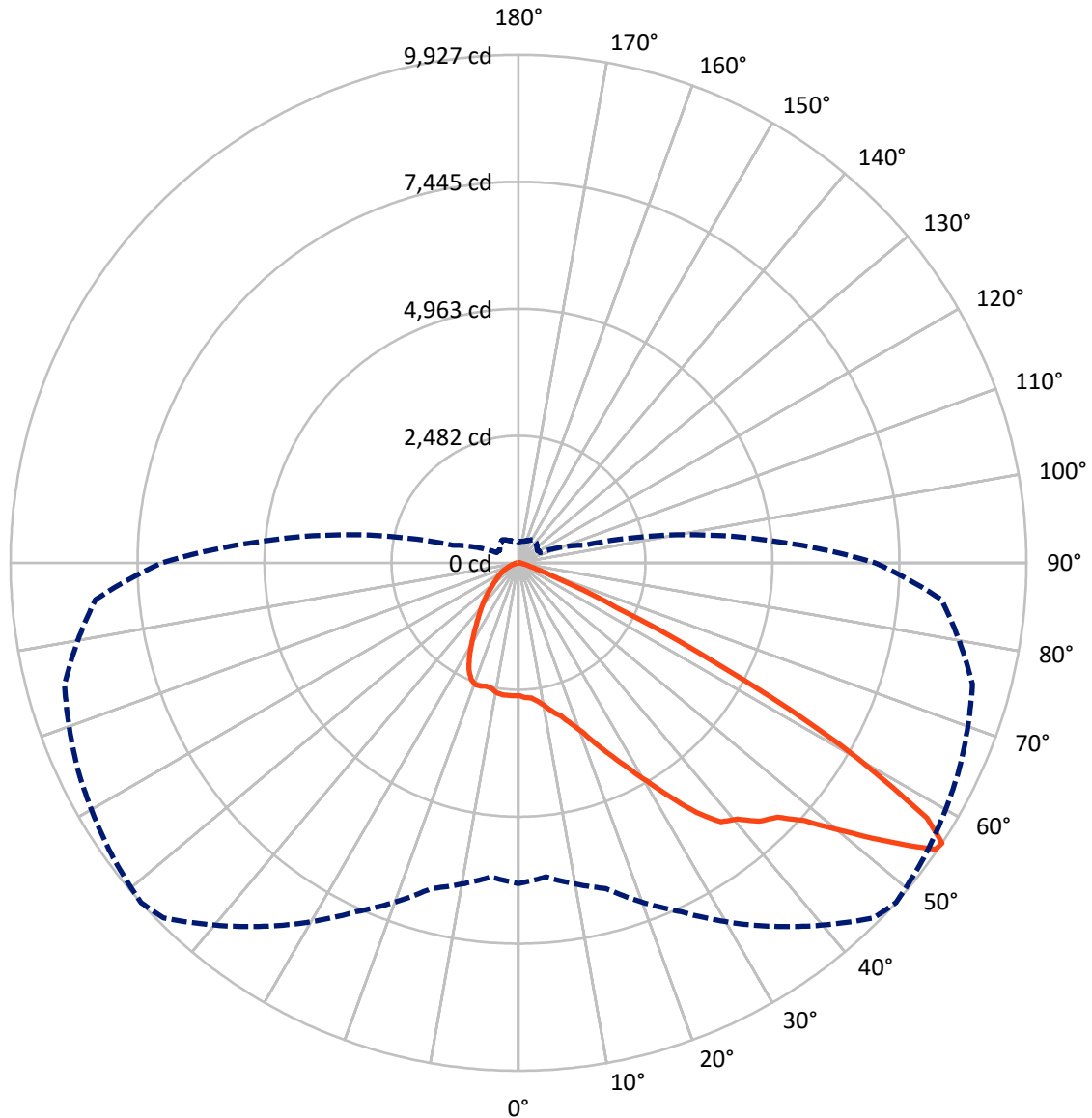
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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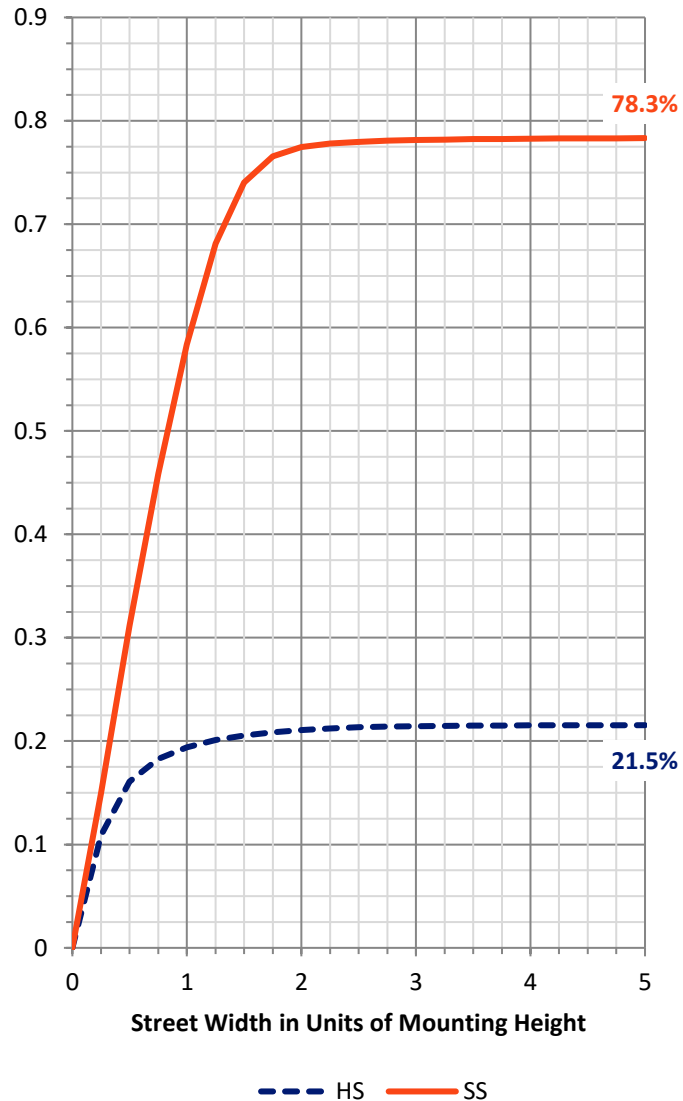
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2961.9	0.0	2961.9
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	10657.2	0.0	10657.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	13619.1	0.0	13619.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	1.9
10°-20°	809.8	5.9
20°-30°	1468.8	10.8
30°-40°	2307.2	16.9
40°-50°	3365.8	24.7
50°-60°	4055.1	29.8
60°-70°	1187.3	8.7
70°-80°	150.6	1.1
80°-90°	21.1	0.2
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°	13619.1	100.0
0°-180°	13619.1	100.0

Coefficient of Utilization

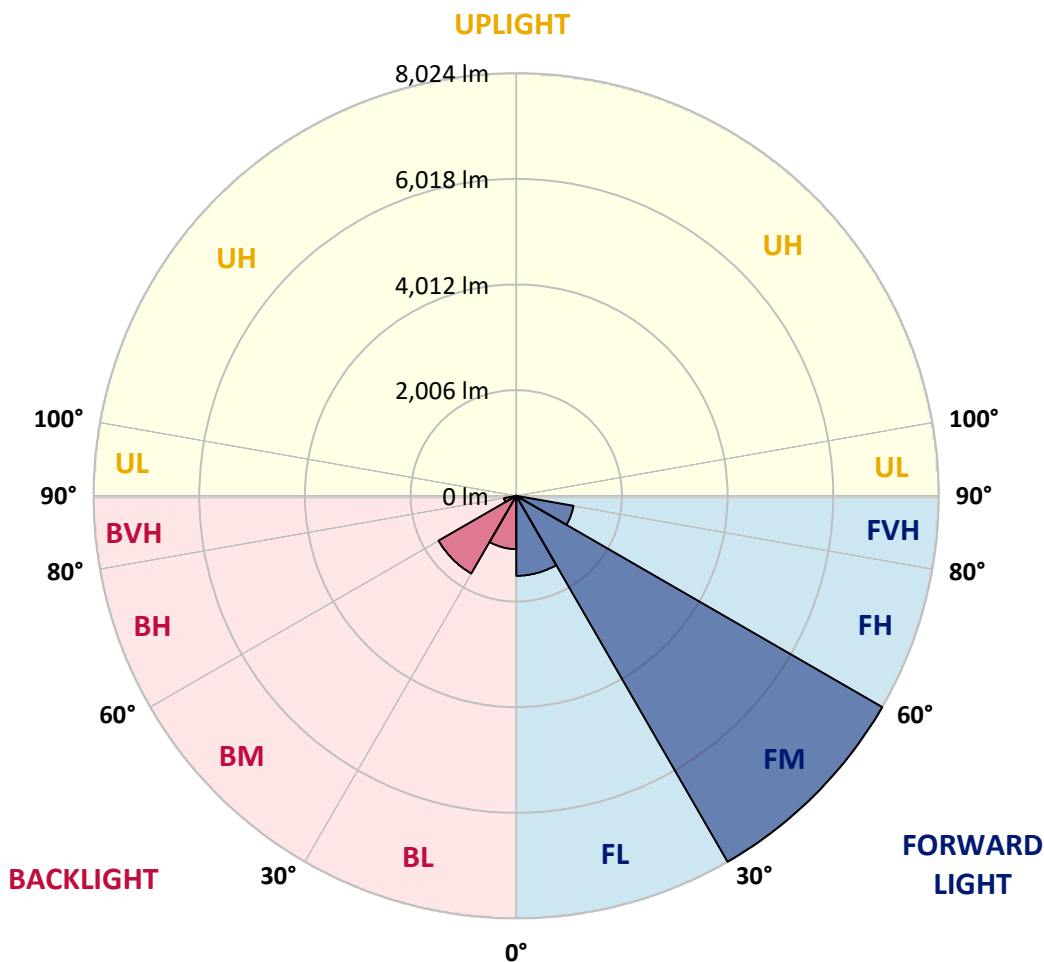


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1519.6	11.2			
FM (30°-60°)	8024.4	58.9			
FH (60°-80°)	1102.6	8.1			G1/1800
FVH (80°-90°)	10.6	0.1			G1/100
BL (0°-30°)	1012.4	7.4	B3/2500		
BM (30°-60°)	1703.7	12.5	B2/2500		
BH (60°-80°)	235.3	1.7	B1/500		G1/500
BVH (80°-90°)	10.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3
2.5°	2648.4	2635.9	2635.9	2616.2	2638.5	2628.5	2635.9	2611.2	2635.9	2598.8	2628.5
5°	2660.8	2663.3	2653.4	2665.7	2665.7	2680.6	2655.8	2678.2	2690.5	2663.3	2650.8
7.5°	2725.3	2730.2	2727.7	2717.8	2737.6	2735.2	2732.7	2715.3	2720.3	2710.4	2695.5
10°	2851.7	2849.2	2861.7	2836.9	2822.0	2839.3	2844.3	2817.0	2797.2	2789.8	2742.6
12.5°	3035.3	3005.5	2988.1	2963.3	2970.7	2945.9	2990.6	2943.5	2933.6	2888.9	2841.8
15°	3184.0	3179.1	3181.5	3141.9	3097.2	3107.2	3107.2	3082.3	3067.5	3012.9	2945.9
17.5°	3489.1	3384.9	3407.1	3357.6	3320.4	3317.9	3295.6	3300.6	3260.9	3146.8	3045.2
20°	3727.1	3682.4	3647.8	3563.4	3506.4	3523.7	3513.8	3489.1	3476.6	3327.8	3184.0
22.5°	3940.3	3955.2	3898.2	3875.8	3796.5	3803.9	3823.8	3801.5	3707.2	3553.5	3340.2
25°	4240.4	4223.0	4146.1	4118.9	4044.5	4071.8	4148.7	4131.2	4071.8	3794.0	3461.7
27.5°	4595.0	4535.5	4550.3	4426.4	4354.4	4431.3	4523.1	4609.9	4441.2	4076.7	3605.5
30°	4845.4	4783.4	4778.5	4773.5	4756.2	4845.4	4952.1	5031.5	4895.0	4359.4	3843.6
32.5°	4969.5	4984.3	5026.5	5011.6	5162.8	5346.3	5457.9	5572.0	5400.9	4820.6	4158.6
35°	5299.2	5205.0	5299.2	5309.1	5465.4	5854.7	5996.1	6268.8	6226.7	5472.8	4542.9
37.5°	5492.7	5485.3	5497.6	5591.8	5743.1	6224.2	6425.1	6635.8	6556.4	5864.6	5021.5
40°	5812.6	5832.4	5829.9	5901.8	6068.0	6501.9	6583.8	6754.8	6762.3	6407.7	5725.8
42.5°	6325.8	6246.5	6194.5	6268.8	6501.9	6742.5	6906.1	6871.4	7116.9	7067.3	6630.9
45°	6787.1	6834.2	6757.4	6881.3	6965.7	7094.6	7089.6	7164.0	7476.5	7712.1	7312.8
47.5°	7218.6	7248.3	7285.5	7369.9	7553.4	7573.2	7531.0	7498.8	7930.3	8173.3	7841.0
50°	7476.5	7503.7	7677.3	7828.6	8170.8	8215.4	8240.2	8158.4	8451.0	8478.3	8339.4
52.5°	7407.0	7436.8	7679.8	8178.2	8723.8	9132.9	9058.6	8919.6	8902.3	9009.0	8800.6
55°	6792.1	6764.8	7099.6	7875.7	8897.4	9879.3	9889.2	9743.0	9462.8	9390.9	8731.3
56°	6268.8	6162.2	6588.7	7526.0	8674.2	9814.9	9926.5	9770.2	9507.4	9185.0	8302.2
57.5°	5135.6	5237.2	5661.3	6437.4	7903.0	9351.2	9415.7	9378.4	9180.0	8639.5	7305.3
60°	2831.9	3010.4	3384.9	4334.6	5626.5	7176.4	7228.5	7531.0	7568.2	6616.0	5026.5
62.5°	1202.7	1182.9	1572.2	2271.5	3203.9	4332.2	4428.9	4738.8	4795.9	3813.9	2521.9
65°	488.5	515.8	711.7	1143.2	1693.7	1973.9	2110.2	2211.9	2400.4	1574.6	929.9
67.5°	322.4	319.9	419.1	652.2	912.6	880.3	880.3	929.9	860.5	642.3	401.7
70°	230.6	238.1	300.1	451.3	567.8	421.6	404.2	386.9	438.9	424.0	324.9
72.5°	151.3	161.2	200.8	270.3	295.1	230.6	230.6	277.7	362.1	342.2	265.3
75°	99.2	101.7	124.0	156.3	146.3	119.0	131.4	185.9	262.8	253.0	188.5
77.5°	66.9	69.5	84.4	101.7	81.8	66.9	71.9	94.2	128.9	128.9	99.2
80°	24.8	27.2	34.7	32.2	37.2	47.1	52.1	64.5	76.9	76.9	66.9
82.5°	0.0	2.4	7.4	17.3	27.2	37.2	42.1	49.6	57.0	64.5	62.0
85°	0.0	2.4	7.4	12.4	19.8	22.3	24.8	17.3	14.9	14.9	12.4
87.5°	0.0	0.0	2.4	2.4	2.4	2.4	2.4	2.4	5.0	2.4	2.4
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°	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3	2601.3
2.5°	2601.3	2598.8	2598.8	2591.4	2606.3	2598.8	2603.7	2601.3	2569.0	2593.8	2576.5
5°	2628.5	2645.9	2618.6	2613.7	2593.8	2601.3	2601.3	2576.5	2598.8	2596.3	2591.4
7.5°	2698.0	2668.2	2638.5	2608.7	2603.7	2596.3	2569.0	2559.1	2576.5	2556.6	2586.4
10°	2727.7	2732.7	2688.1	2648.4	2611.2	2559.1	2521.9	2499.6	2472.3	2502.1	2519.5
12.5°	2864.1	2814.5	2737.6	2675.6	2549.2	2497.1	2459.9	2450.0	2497.1	2507.0	2489.7
15°	2911.2	2903.8	2804.6	2665.7	2534.3	2472.3	2479.8	2459.9	2464.9	2440.1	2445.0
17.5°	3007.9	2923.7	2807.1	2633.5	2531.8	2516.9	2472.3	2393.0	2348.3	2328.5	2345.9
20°	3114.6	3032.7	2864.1	2645.9	2554.1	2514.5	2368.2	2271.5	2179.7	2130.1	2132.6
22.5°	3208.8	3107.2	2839.3	2650.8	2574.0	2410.3	2234.3	2043.3	1929.3	1852.4	1854.8
25°	3322.9	3179.1	2849.2	2660.8	2521.9	2244.2	1991.2	1805.3	1668.9	1616.8	1634.1
27.5°	3387.4	3223.7	2903.8	2683.1	2385.5	2008.6	1735.8	1562.2	1482.9	1458.1	1455.6
30°	3580.8	3322.9	2970.7	2638.5	2157.4	1755.7	1502.7	1396.1	1319.2	1296.9	1301.9
32.5°	3868.4	3503.9	3057.5	2521.9	1924.3	1530.0	1351.5	1272.1	1200.2	1158.1	1153.1
35°	4109.0	3813.9	3149.3	2340.9	1654.0	1356.4	1244.8	1145.6	1036.5	989.4	977.0
37.5°	4567.7	4163.5	3129.4	2068.1	1396.1	1227.4	1130.8	1009.3	915.0	850.6	843.1
40°	5177.7	4572.7	3032.7	1735.8	1205.2	1113.4	1009.3	892.7	776.2	721.6	716.6
42.5°	5919.2	5073.6	2856.7	1398.6	1014.2	999.4	905.1	771.2	667.1	627.4	629.8
45°	6521.8	5502.6	2678.2	1123.3	872.9	887.8	805.9	679.4	607.5	575.3	575.3
47.5°	7057.4	5792.7	2484.7	927.5	741.4	776.2	704.3	629.8	567.8	543.0	538.1
50°	7573.2	6087.8	2291.3	751.3	632.3	667.1	659.6	600.1	550.5	520.7	523.3
52.5°	7895.6	6134.9	2045.8	614.9	553.0	592.7	617.5	562.9	508.4	491.0	486.0
55°	7501.3	5527.4	1587.1	505.9	468.7	520.7	567.8	505.9	463.7	434.0	431.5
56°	6970.6	4942.1	1326.7	466.2	443.9	500.9	550.5	483.6	436.5	419.1	406.7
57.5°	5901.8	4044.5	979.5	414.1	411.7	466.2	523.3	461.2	406.7	391.8	391.8
60°	3680.0	2276.4	592.7	347.2	357.1	414.1	471.1	411.7	362.1	362.1	369.5
62.5°	1676.3	947.3	359.5	295.1	307.5	357.1	419.1	372.0	344.7	372.0	376.9
65°	570.4	409.1	260.4	235.6	243.0	295.1	359.5	376.9	374.4	391.8	401.7
67.5°	319.9	262.8	218.2	195.9	190.9	218.2	295.1	376.9	362.1	354.6	359.5
70°	270.3	223.2	193.4	173.6	166.2	176.0	228.2	285.2	255.4	248.0	243.0
72.5°	218.2	185.9	168.6	156.3	133.9	114.0	104.1	109.1	121.5	128.9	141.4
75°	153.7	141.4	141.4	126.5	96.7	71.9	57.0	47.1	32.2	22.3	24.8
77.5°	86.8	86.8	89.2	76.9	62.0	47.1	34.7	24.8	12.4	5.0	2.4
80°	59.5	64.5	69.5	62.0	52.1	42.1	29.8	17.3	7.4	0.0	0.0
82.5°	59.5	66.9	71.9	62.0	52.1	39.7	29.8	17.3	7.4	2.4	0.0
85°	12.4	14.9	17.3	19.8	29.8	29.8	22.3	14.9	7.4	2.4	0.0
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	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)