

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: P650482

Luminaire Tested: **GLAN-SA6B-835-U-T2R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-835-U-T2R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23216.7 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

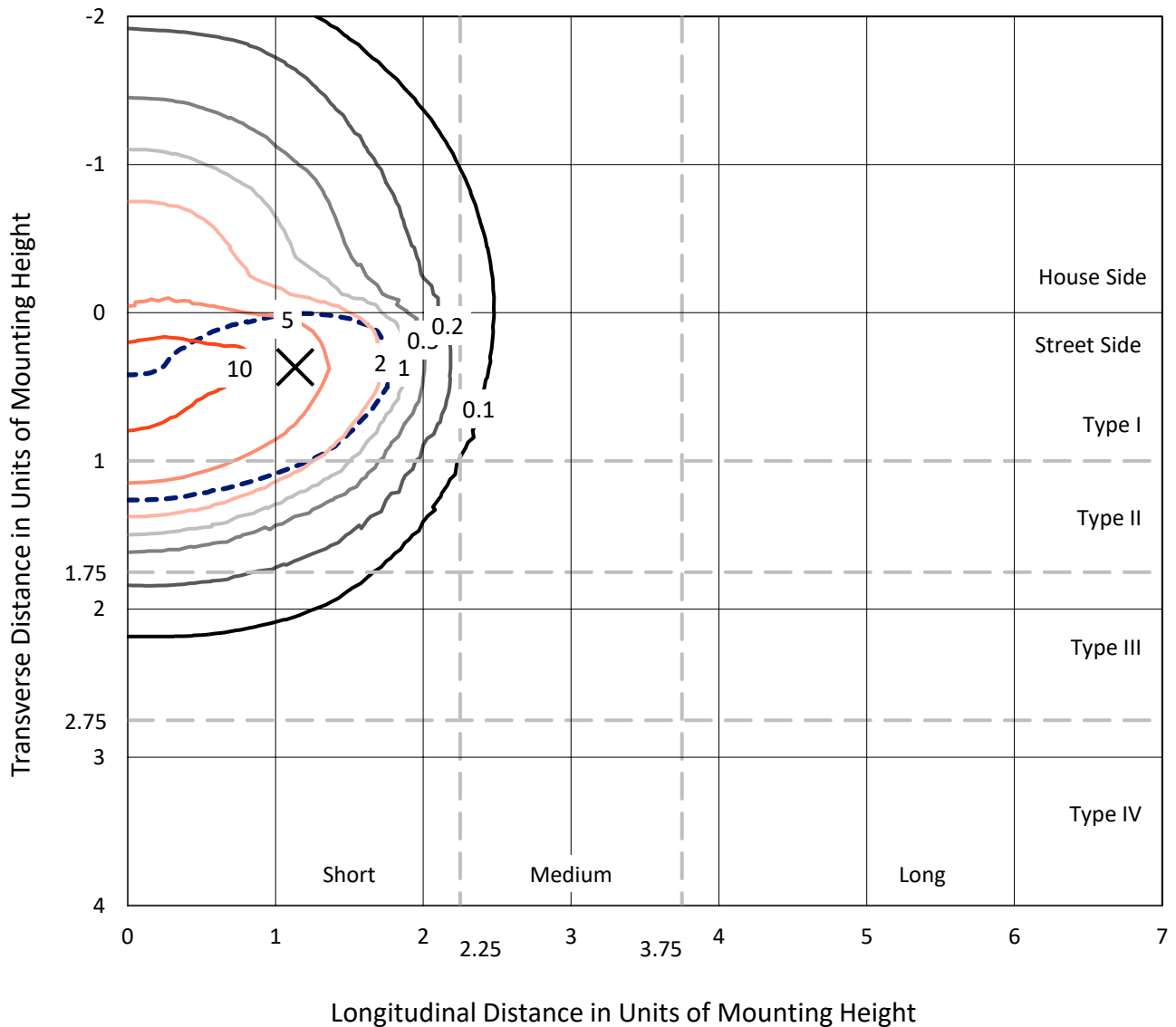
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

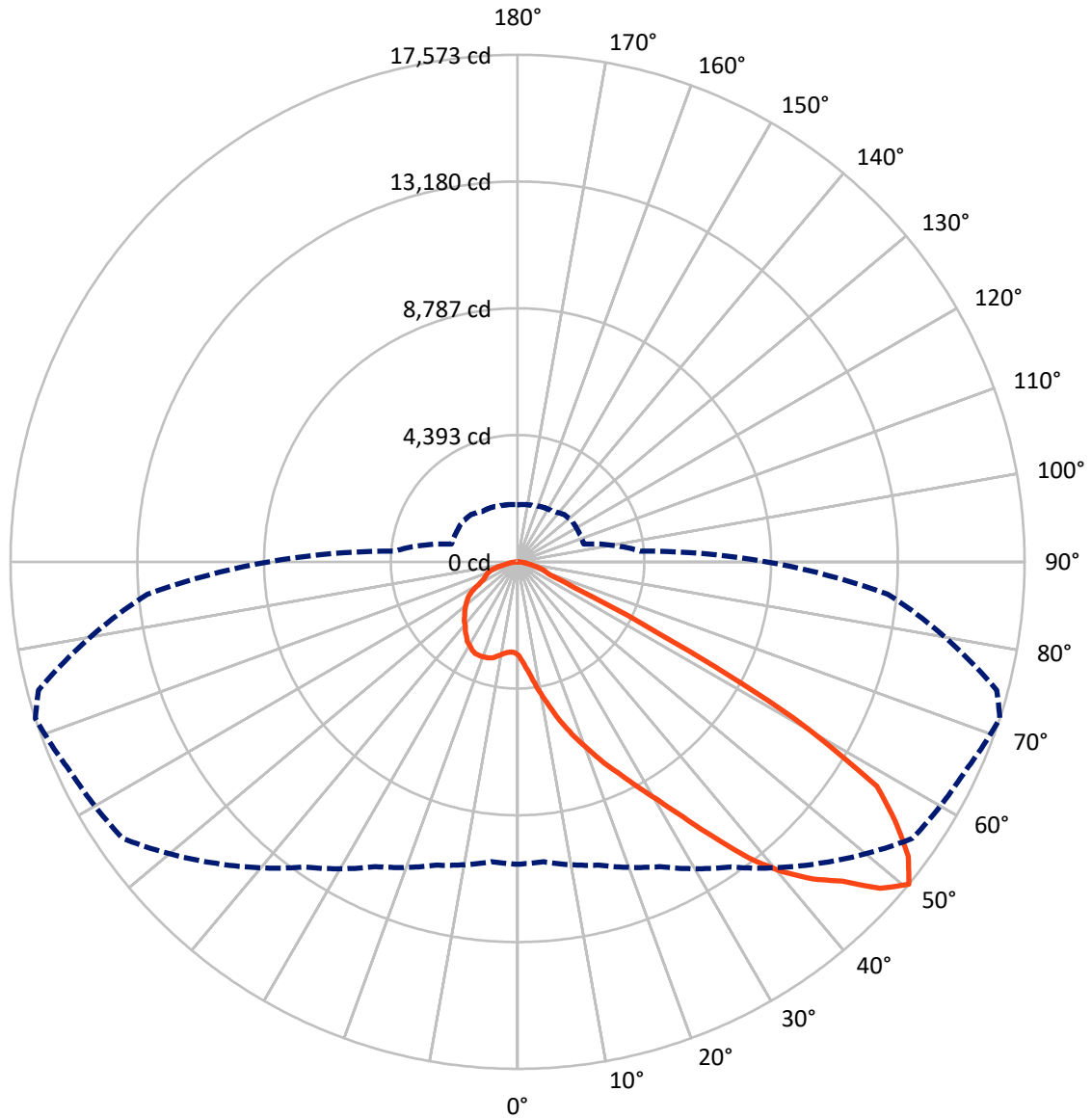
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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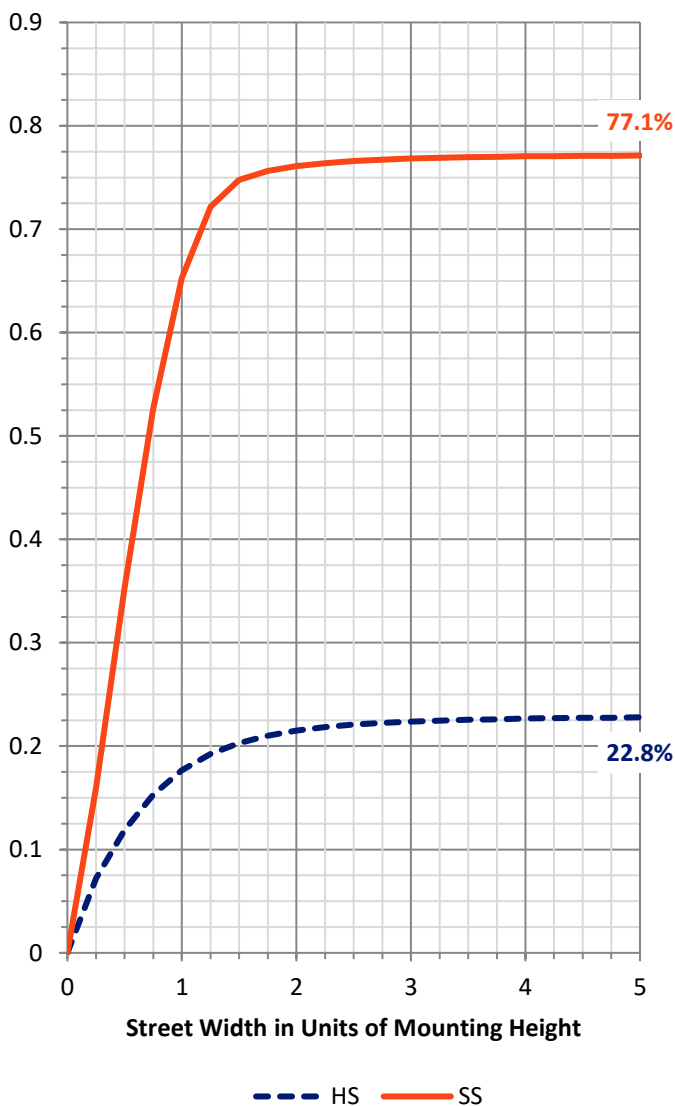
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5319.1	0.0	5319.1
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	17897.6	0.0	17897.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	23216.7	0.0	23216.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.2	1.6
10°-20°	1421.2	6.1
20°-30°	2755.5	11.9
30°-40°	4565.0	19.7
40°-50°	6387.4	27.5
50°-60°	5388.6	23.2
60°-70°	1642.4	7.1
70°-80°	576.2	2.5
80°-90°	100.2	0.4
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°	23216.7	100.0
0°-180°	23216.7	100.0

Coefficient of Utilization

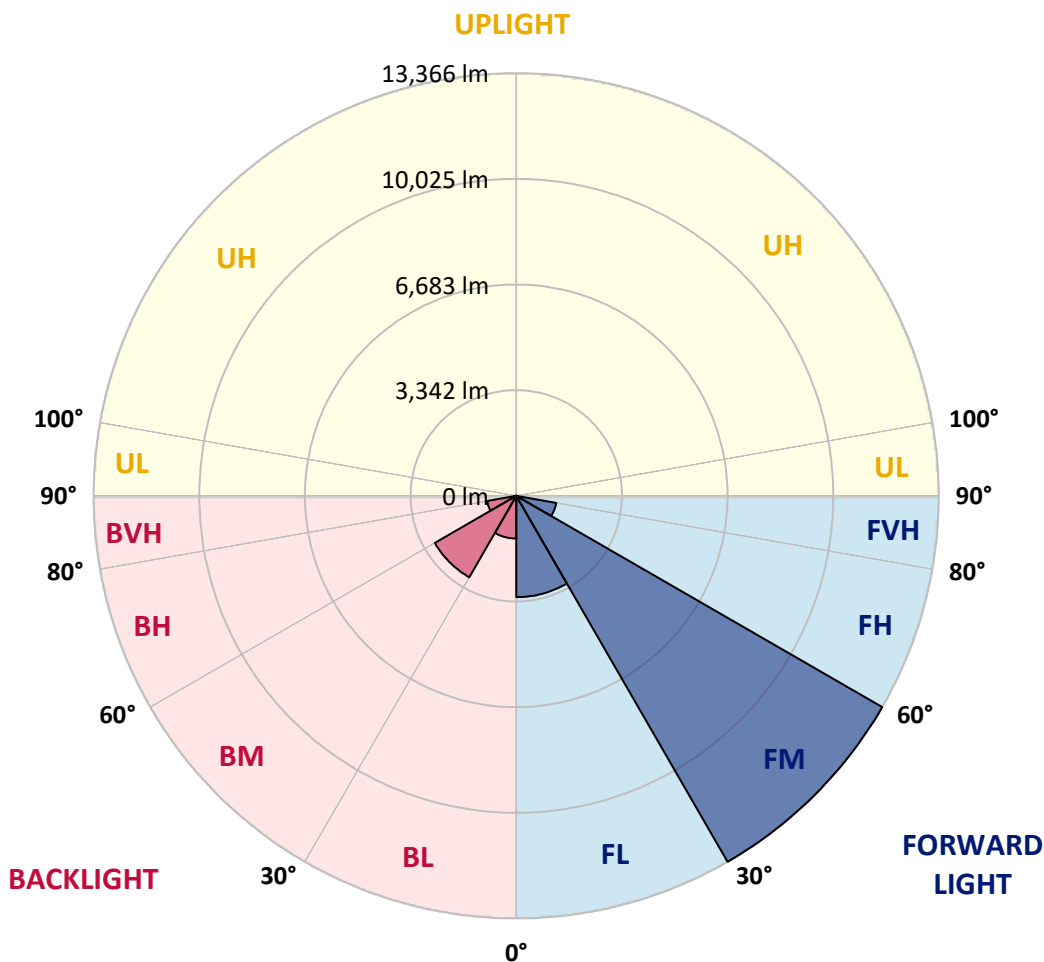


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3204.7	13.8			
FM (30°-60°)	13366.5	57.6			
FH (60°-80°)	1281.5	5.5			G1/1800
FVH (80°-90°)	44.9	0.2			G1/100
BL (0°-30°)	1352.1	5.8	B3/2500		
BM (30°-60°)	2974.5	12.8	B3/5000		
BH (60°-80°)	937.1	4.0	B2/1000		G2/1000
BVH (80°-90°)	55.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0
2.5°	4157.0	4131.2	4053.6	4027.8	3935.8	3769.2	3711.7	3542.2	3470.4	3404.3	3326.8
5°	5257.3	5136.6	5128.0	4981.5	4768.9	4645.4	4277.7	4030.6	3803.7	3688.7	3476.1
7.5°	5958.3	5961.2	5961.2	5840.6	5671.0	5357.9	5027.5	4582.2	4240.3	4070.8	3708.8
10°	6624.8	6567.3	6535.8	6524.3	6409.3	6104.8	5751.4	5199.9	4731.6	4533.3	3884.1
12.5°	7095.9	7047.2	7119.0	7081.6	6998.3	6800.0	6466.8	5837.7	5251.6	4984.4	4165.6
15°	7320.0	7354.5	7412.0	7515.4	7478.0	7403.3	7035.6	6492.6	5811.8	5510.1	4415.6
17.5°	7664.8	7570.0	7638.9	7768.2	7871.7	7837.1	7627.4	6966.7	6366.3	5995.7	4751.7
20°	7906.1	7851.5	7886.0	8035.4	8113.0	8308.3	8199.1	7587.2	6897.8	6507.0	5148.1
22.5°	8595.6	8515.1	8403.1	8426.1	8454.8	8592.7	8618.6	8268.1	7515.4	7101.7	5524.5
25°	9446.0	9371.3	9239.1	9104.1	9020.8	8994.9	9084.0	8802.4	8107.2	7679.1	5929.6
27.5°	10382.5	10256.1	10172.8	9894.1	9670.1	9635.6	9592.5	9440.2	8808.2	8345.7	6386.4
30°	11293.2	11192.7	11080.6	10635.3	10402.6	10365.3	10152.7	10195.8	9569.5	9055.2	6903.5
32.5°	11982.7	11991.3	11735.6	11399.5	11181.2	10982.9	10905.4	11028.9	10546.3	10132.6	7480.9
35°	12540.1	12565.9	12321.7	12017.2	11781.6	11919.5	11885.0	11942.5	11712.7	11207.0	8153.1
37.5°	13083.0	12953.7	12692.3	12545.8	12422.2	12649.2	12942.2	12991.1	13034.1	12439.5	8934.6
40°	13172.1	13183.5	13031.3	13134.7	12979.6	13321.4	14002.3	13939.1	14114.4	13594.4	9782.1
42.5°	13045.6	13071.5	13131.8	13278.3	13651.8	14062.7	15073.9	14815.3	15028.0	14565.4	10606.6
45°	12838.8	12732.5	12807.2	13364.6	14010.9	14924.5	16053.5	15852.5	15783.5	15395.7	11589.1
47.5°	11850.5	11959.7	12192.4	12879.0	13850.1	15073.9	16748.8	16702.8	16909.7	16636.7	12482.6
50°	10480.2	10437.1	10885.3	11658.1	12910.7	14780.8	16711.4	17128.0	17573.3	17194.1	12881.9
52.5°	7848.6	8078.4	8463.4	9423.0	11209.9	13183.5	15895.5	16590.8	16952.7	16872.3	12560.2
55°	4961.4	5030.4	5263.1	6403.6	8012.4	10580.8	13626.0	15237.6	15884.0	16185.7	12264.2
57.5°	2410.3	2281.0	2565.5	3481.9	4628.2	7116.1	10509.0	13272.6	14677.4	15223.3	11620.7
60°	1258.3	1307.1	1419.2	1746.7	2393.1	3694.5	6550.1	8845.6	10991.6	11830.4	8808.2
62.5°	1042.9	1060.1	1134.8	1298.5	1591.5	2125.9	3344.0	4312.1	5604.9	6360.5	5010.3
65°	884.9	893.5	973.9	1083.0	1269.8	1496.8	1720.9	1801.3	2180.5	2238.0	1781.2
67.5°	738.3	747.0	833.1	936.5	1057.2	1117.6	1175.0	1169.3	1212.3	1195.1	1192.3
70°	568.8	577.5	666.5	775.6	836.0	801.6	979.6	1019.9	1037.1	1051.5	1074.4
72.5°	410.8	428.1	497.0	574.6	542.9	623.4	807.3	867.6	890.6	899.2	927.9
75°	298.8	304.5	321.7	298.8	344.8	433.8	568.8	643.5	672.3	680.9	724.0
77.5°	132.2	135.0	137.9	172.3	221.2	270.1	339.0	399.3	439.6	451.0	462.5
80°	69.0	71.8	89.0	117.8	158.0	198.3	247.0	281.6	307.4	310.3	321.7
82.5°	43.1	46.0	63.2	83.3	112.0	146.5	181.0	209.7	229.8	232.7	235.6
85°	20.1	25.8	37.3	51.7	74.7	94.8	97.6	83.3	89.0	91.9	86.2
87.5°	5.7	8.6	11.5	8.6	11.5	11.5	14.3	17.2	17.2	17.2	20.1
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°	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0	3232.0
2.5°	3283.7	3257.8	3157.3	3119.9	3022.2	3039.4	2987.8	2984.9	2973.4	2970.5	2967.6
5°	3364.1	3283.7	3163.0	3071.1	3016.5	3010.8	2973.4	2973.4	2984.9	2993.5	2973.4
7.5°	3496.3	3404.3	3200.4	3114.1	3065.4	3056.8	3030.8	3010.8	3036.6	3028.0	3005.0
10°	3648.5	3487.6	3272.2	3197.5	3117.0	3096.9	3096.9	3105.5	3062.5	3076.8	3053.9
12.5°	3818.1	3602.6	3364.1	3278.0	3183.1	3171.6	3165.9	3102.7	3125.7	3114.1	3056.8
15°	4033.5	3734.8	3481.9	3335.4	3254.9	3203.3	3128.6	3117.0	3102.7	3074.0	3048.1
17.5°	4266.2	3878.4	3536.5	3352.6	3232.0	3194.6	3137.2	3076.8	3033.7	3039.4	3019.4
20°	4464.4	4010.5	3556.6	3369.9	3214.8	3142.9	3053.9	3016.5	2970.5	2967.6	2964.8
22.5°	4700.0	4188.7	3585.4	3323.9	3163.0	3088.3	3028.0	2961.9	2930.3	2890.1	2910.2
25°	4981.5	4257.6	3591.1	3298.1	3125.7	2993.5	2961.9	2890.1	2878.6	2821.1	2832.7
27.5°	5185.5	4294.9	3545.1	3217.6	3039.4	2938.9	2881.4	2829.8	2809.6	2766.6	2755.1
30°	5458.4	4352.4	3447.5	3117.0	2953.3	2841.3	2806.8	2795.3	2737.8	2691.9	2686.2
32.5°	5768.7	4389.7	3384.2	3013.6	2864.2	2778.1	2795.3	2740.7	2668.9	2628.7	2617.2
35°	6015.8	4404.1	3226.2	2895.8	2803.9	2749.3	2729.2	2717.7	2614.3	2576.9	2548.2
37.5°	6392.1	4372.5	3094.1	2812.5	2737.8	2717.7	2700.5	2622.9	2505.1	2450.6	2410.3
40°	6831.7	4363.9	2924.6	2694.8	2674.6	2697.6	2645.9	2525.3	2361.5	2301.2	2272.4
42.5°	7253.9	4424.2	2818.3	2631.5	2605.7	2614.3	2542.5	2361.5	2281.0	2246.6	2200.6
45°	7960.7	4550.6	2643.0	2533.9	2522.4	2516.6	2430.4	2240.9	2194.8	2151.8	2143.1
47.5°	8598.4	4467.3	2531.0	2433.3	2444.8	2413.2	2229.4	2169.0	2117.3	2074.2	2059.8
50°	8635.8	4269.1	2373.0	2355.7	2358.6	2304.1	2128.8	2088.6	2022.5	1993.8	1973.6
52.5°	8440.4	3944.4	2226.5	2232.2	2240.9	2151.8	2005.3	1976.5	1922.0	1881.7	1870.2
55°	7891.8	3438.8	2082.9	2105.8	2128.8	1959.3	1913.3	1841.5	1798.4	1740.9	1743.8
57.5°	6952.3	2769.5	1881.7	1919.1	1967.9	1781.2	1746.7	1657.6	1594.4	1548.5	1542.7
60°	4659.8	1970.8	1580.1	1594.4	1703.6	1628.9	1626.1	1537.0	1450.8	1410.6	1387.6
62.5°	2749.3	1505.4	1364.6	1350.2	1347.4	1390.5	1462.3	1430.7	1318.7	1241.1	1264.1
65°	1439.3	1301.4	1269.8	1220.9	1192.3	1180.8	1235.3	1249.7	1175.0	1091.7	1085.9
67.5°	1209.5	1209.5	1183.6	1166.4	1126.2	1077.3	1042.9	996.9	985.4	962.4	933.6
70°	1100.3	1129.0	1120.4	1080.2	1045.7	991.1	902.1	827.4	755.6	729.7	747.0
72.5°	959.6	988.3	988.3	968.2	922.2	838.9	752.7	666.5	606.2	560.2	554.4
75°	738.3	752.7	787.1	764.2	703.8	652.2	563.1	474.0	416.6	373.5	364.9
77.5°	471.1	494.2	494.2	491.3	448.2	399.3	341.9	278.7	235.6	204.0	195.4
80°	313.1	327.5	339.0	327.5	298.8	261.4	218.3	175.2	143.7	117.8	112.0
82.5°	229.8	247.0	255.6	244.2	215.5	186.7	155.1	123.6	91.9	71.8	66.1
85°	89.0	91.9	103.4	123.6	120.7	117.8	94.8	69.0	51.7	37.3	34.5
87.5°	23.0	20.1	23.0	23.0	20.1	17.2	17.2	17.2	17.2	8.6	11.5
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)