

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: P650479

Luminaire Tested: **GLAN-SA6B-835-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-835-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22161.2 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

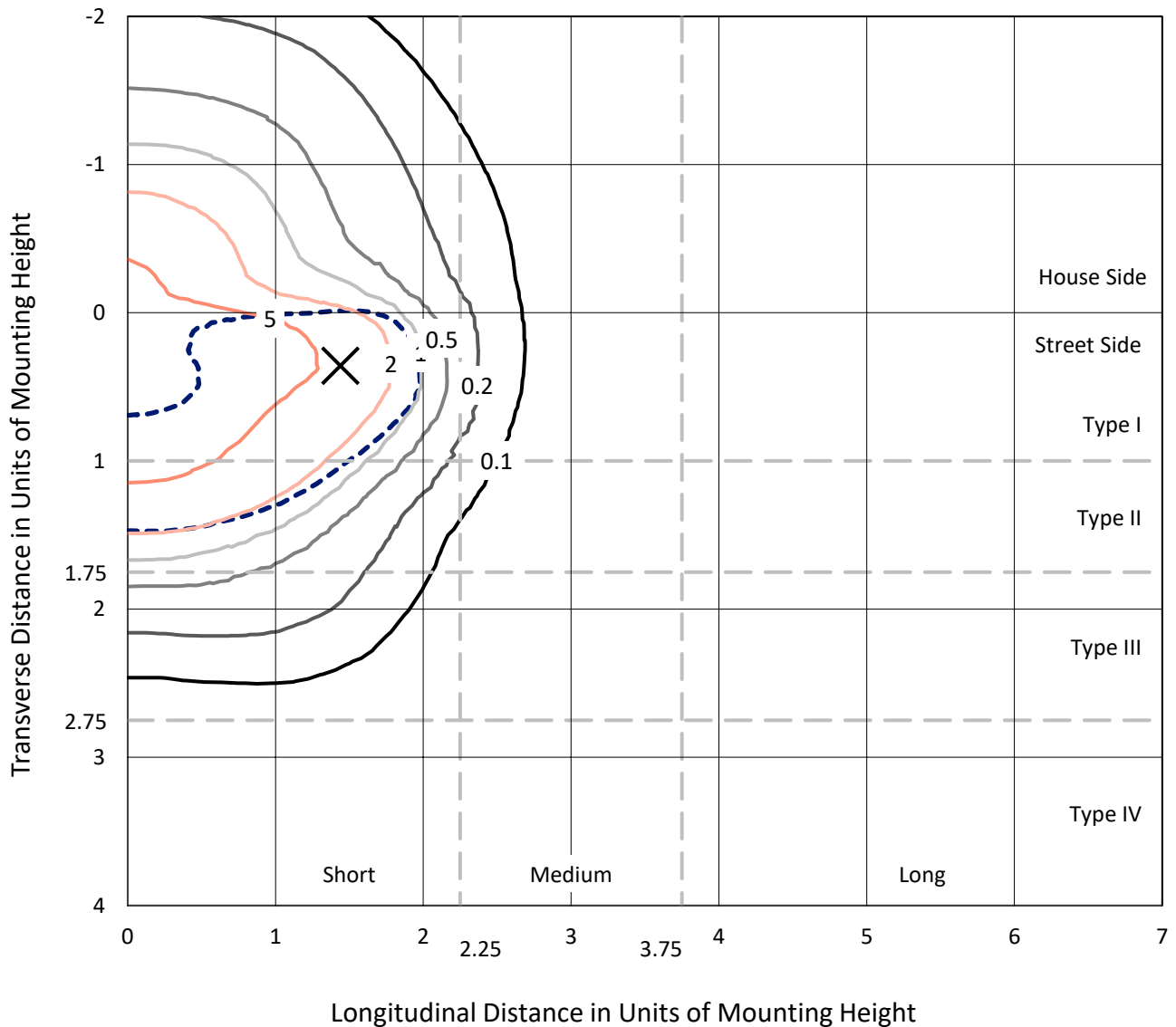
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

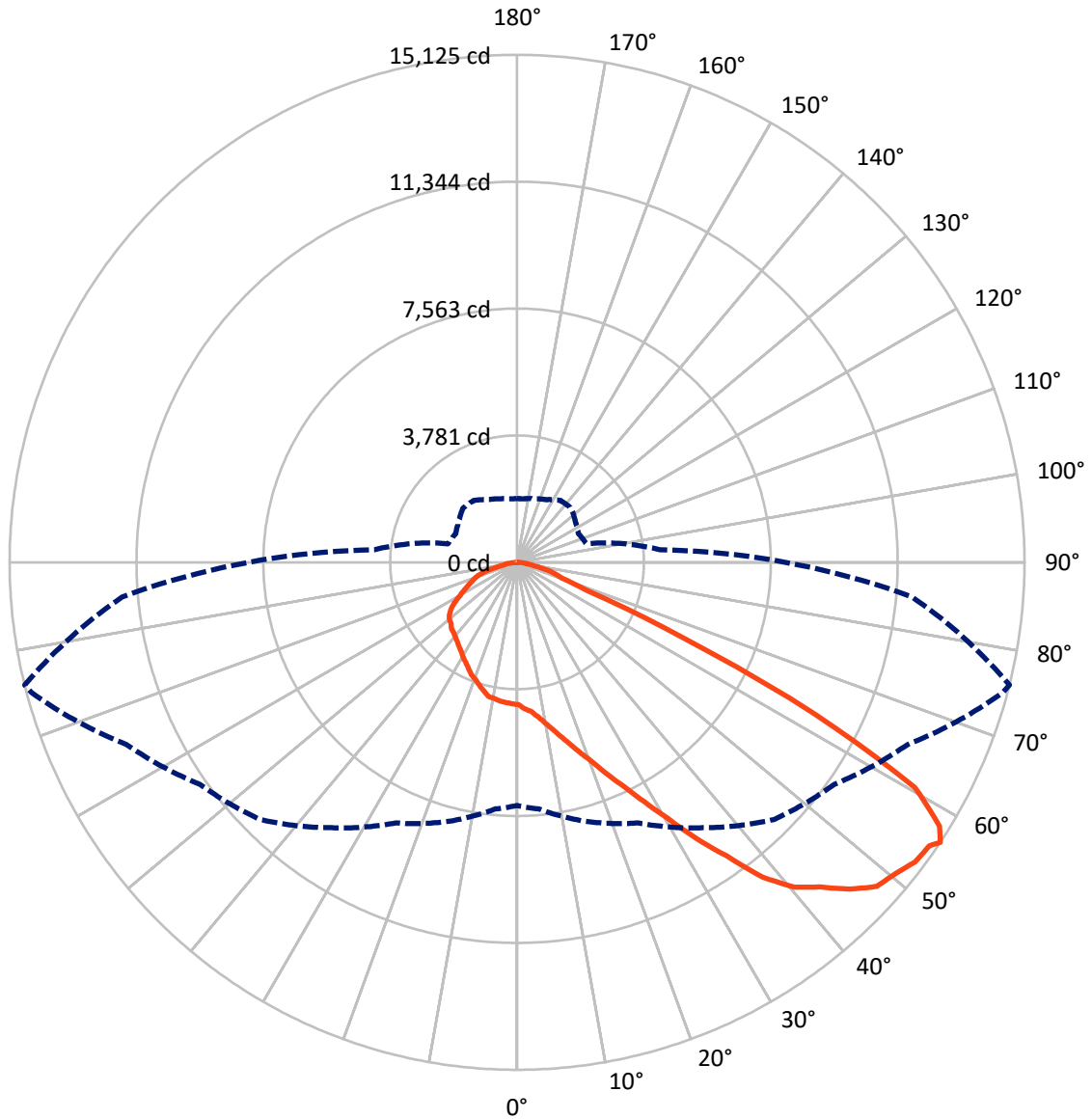
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - N/A

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CATALOG NUMBER: GLAN-SA6B-835-U-T2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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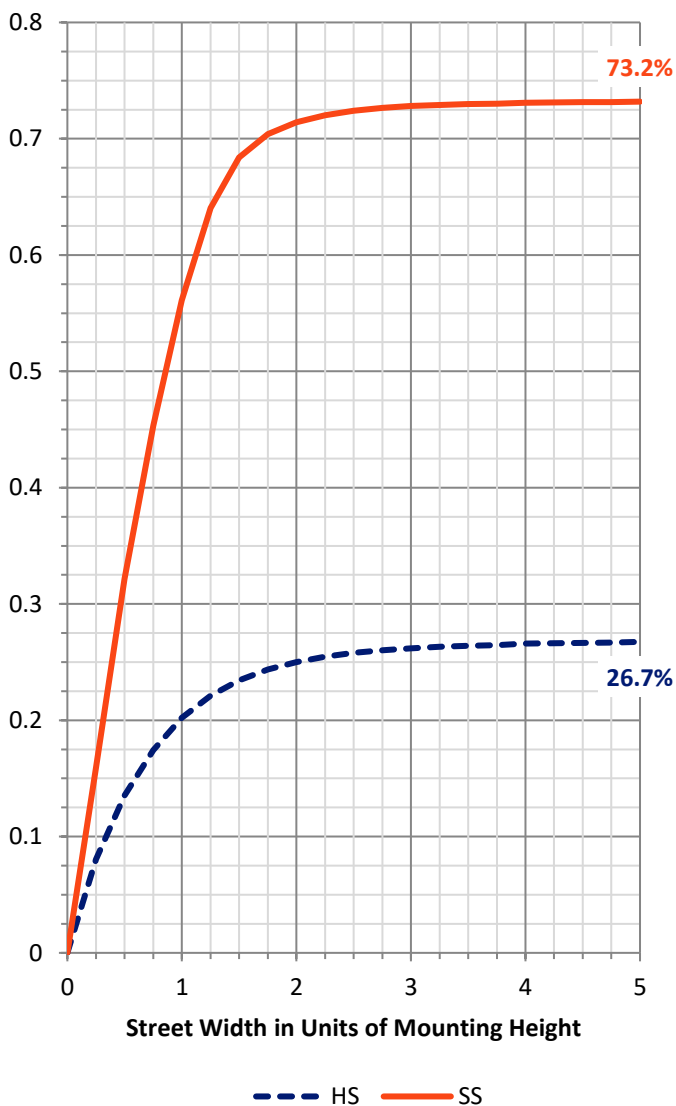
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5958.5	0.0	5958.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	16202.7	0.0	16202.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	22161.2	0.0	22161.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.5	1.9
10°-20°	1320.9	6.0
20°-30°	2310.2	10.4
30°-40°	3617.0	16.3
40°-50°	5261.8	23.7
50°-60°	5783.0	26.1
60°-70°	2581.3	11.6
70°-80°	745.6	3.4
80°-90°	120.9	0.5
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°	22161.2	100.0
0°-180°	22161.2	100.0

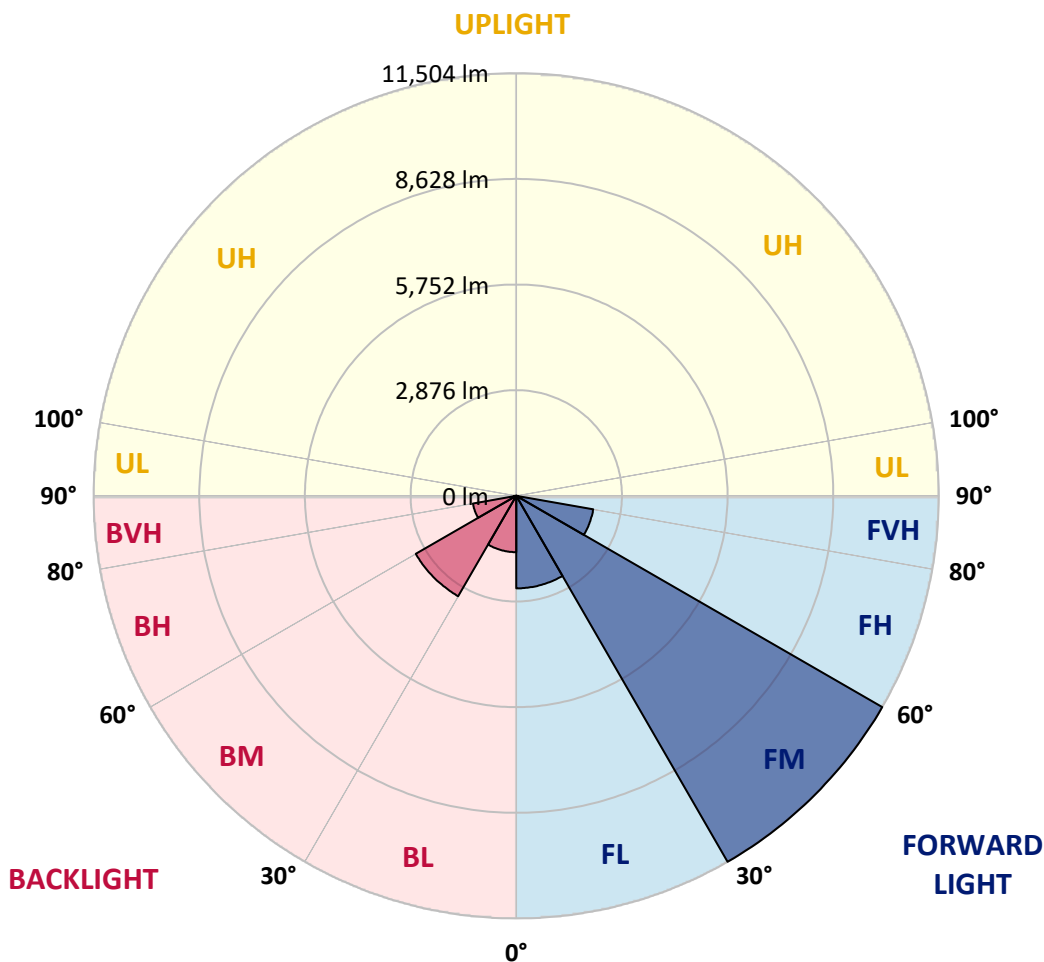


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2518.4	11.4			
FM (30°-60°)	11504.3	51.9			
FH (60°-80°)	2128.0	9.6			G2/5000
FVH (80°-90°)	52.1	0.2			G1/100
BL (0°-30°)	1533.2	6.9	B3/2500		
BM (30°-60°)	3157.5	14.2	B3/5000		
BH (60°-80°)	1198.9	5.4	B3/2500		G3/2500
BVH (80°-90°)	68.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3
2.5°	4671.2	4596.5	4590.7	4570.6	4582.1	4530.4	4475.9	4404.0	4329.4	4375.3	4266.1
5°	4998.7	4898.1	4938.4	4869.4	4878.0	4809.1	4697.1	4613.7	4521.8	4467.2	4389.7
7.5°	5113.6	5122.2	5151.0	5139.5	5082.0	5082.0	5007.3	4860.8	4700.0	4668.3	4539.1
10°	5268.7	5271.6	5240.0	5248.6	5329.1	5291.7	5225.7	5162.5	4955.6	4918.3	4688.4
12.5°	5323.3	5271.6	5323.3	5369.3	5464.1	5515.8	5501.4	5455.5	5234.3	5208.4	4872.3
15°	5331.9	5300.4	5343.4	5446.9	5530.2	5748.5	5857.7	5826.1	5533.1	5535.9	5079.2
17.5°	5291.7	5334.8	5352.0	5441.1	5633.6	5837.6	6153.6	6196.7	5955.3	5918.0	5340.5
20°	5346.3	5314.7	5337.7	5418.1	5673.8	5992.7	6406.3	6690.8	6351.8	6325.9	5610.6
22.5°	5556.0	5512.9	5507.2	5558.9	5742.8	6073.1	6673.5	7184.9	6834.4	6848.8	5946.7
25°	5719.7	5742.8	5722.6	5719.7	5834.7	6193.8	7026.9	7773.9	7489.4	7406.1	6343.2
27.5°	6001.3	6055.9	6015.6	6070.3	6044.4	6374.8	7279.7	8425.9	8196.1	8084.1	6702.2
30°	6392.0	6420.8	6383.4	6383.4	6305.8	6627.5	7509.5	9106.8	9012.0	8859.7	7124.6
32.5°	6906.2	6949.4	6874.7	6831.5	6820.1	7003.9	7923.2	9779.0	9940.0	9810.7	7684.8
35°	7587.1	7561.3	7472.2	7432.0	7276.8	7581.3	8538.0	10551.9	10974.1	10744.3	8362.8
37.5°	8187.5	8147.3	8141.6	7917.5	7954.8	8204.7	9060.9	11137.9	11976.8	11910.7	9078.1
40°	8747.7	8785.0	8845.4	8719.0	8661.5	8937.3	9669.9	11586.1	12755.3	12729.5	9629.6
42.5°	9348.2	9313.6	9420.0	9313.6	9227.5	9618.1	10330.7	11896.3	13439.0	13226.4	10207.1
45°	10218.6	10109.4	10146.7	10155.4	10092.2	10235.8	10603.5	12120.4	13918.8	13895.8	10629.4
47.5°	10945.4	10948.3	10885.1	10836.3	10643.8	10787.4	10908.1	12261.2	14470.4	14433.0	10793.2
50°	11215.5	11178.1	11362.0	11468.3	11479.7	11186.7	11146.5	12338.7	14760.5	14596.8	10956.9
52.5°	10244.5	10278.9	10569.1	11201.1	11565.9	11597.6	11425.1	12499.6	14878.3	14843.8	11089.1
55°	8245.0	8411.6	8888.5	9618.1	10482.9	11433.8	11726.8	12666.2	14941.5	14912.8	11675.1
56°	7248.1	7377.3	7997.9	8569.6	9655.5	10839.1	11537.2	12844.3	14990.3	15125.4	11813.0
57.5°	5834.7	5984.1	6429.4	7078.6	8359.9	9707.2	11014.4	12626.0	14800.7	14852.4	11913.6
60°	3648.5	3662.9	4197.2	4625.3	5527.3	6843.0	8405.8	10985.6	13697.6	13622.9	10701.3
62.5°	2393.1	2395.9	2881.4	3231.9	3642.8	3944.4	4947.0	7285.4	10106.6	9974.4	7618.7
65°	1680.6	1718.0	2094.3	2562.5	2729.1	2571.1	2539.6	3840.9	5645.0	5455.5	4093.8
67.5°	1229.5	1232.4	1565.7	2068.5	2309.8	1956.4	1588.6	1875.9	2235.1	2229.3	1896.0
70°	813.0	847.4	1103.2	1545.6	1821.3	1571.4	1298.5	1341.6	1422.0	1422.0	1410.6
72.5°	474.0	505.6	675.1	979.6	1022.8	982.5	1028.5	1149.1	1200.8	1198.0	1183.6
75°	270.1	284.4	321.7	407.9	508.5	600.4	755.5	870.5	922.1	953.8	916.4
77.5°	158.0	166.6	189.6	232.7	264.3	324.6	410.8	491.3	560.2	551.5	557.3
80°	83.3	83.3	106.3	137.9	183.8	229.8	273.0	318.9	356.3	364.9	373.5
82.5°	48.9	51.7	69.0	100.5	132.2	163.7	209.7	241.3	275.8	278.7	284.4
85°	25.8	28.7	43.1	66.1	89.0	100.5	103.4	97.6	106.3	100.5	114.9
87.5°	8.6	8.6	14.3	11.5	11.5	14.3	17.2	17.2	23.0	23.0	23.0
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°	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3	4240.3
2.5°	4263.3	4263.3	4214.4	4122.5	4108.1	4070.7	4036.3	4033.4	4007.6	3984.6	3973.1
5°	4343.7	4254.7	4182.8	4099.5	4001.8	3955.9	3904.1	3846.7	3823.7	3846.7	3843.8
7.5°	4435.6	4360.9	4145.4	3990.3	3878.3	3832.3	3774.8	3714.6	3720.3	3720.3	3680.1
10°	4524.6	4424.1	4079.4	3881.2	3717.4	3682.9	3651.4	3674.3	3703.0	3708.8	3682.9
12.5°	4674.0	4447.1	4047.8	3772.0	3668.6	3593.9	3614.0	3677.2	3737.5	3720.3	3740.4
15°	4786.1	4467.2	3904.1	3660.0	3530.7	3565.2	3637.0	3680.1	3780.6	3769.1	3789.3
17.5°	4895.2	4478.7	3763.4	3510.6	3456.0	3550.8	3605.4	3728.9	3760.5	3829.5	3855.3
20°	5119.3	4501.7	3619.7	3418.7	3401.4	3510.6	3605.4	3662.9	3731.8	3792.1	3792.1
22.5°	5234.3	4490.2	3524.9	3298.0	3352.6	3421.6	3507.7	3605.4	3605.4	3662.9	3665.7
25°	5377.9	4444.2	3375.6	3240.5	3280.8	3346.9	3444.5	3410.0	3447.4	3447.4	3493.4
27.5°	5541.7	4346.6	3246.2	3137.1	3217.6	3289.4	3303.7	3280.8	3237.6	3231.9	3214.7
30°	5673.8	4225.9	3151.5	3102.6	3168.7	3209.0	3162.9	3114.1	3039.4	3033.7	2993.5
32.5°	5854.8	4076.5	3033.7	3016.4	3091.1	3094.0	3079.6	3005.0	2895.8	2849.8	2803.8
35°	6159.3	3990.3	2944.6	2970.5	2993.5	2984.9	2959.0	2878.5	2769.4	2749.3	2732.0
37.5°	6383.4	3927.1	2852.7	2884.3	2904.4	2915.9	2838.4	2749.3	2752.2	2711.9	2700.4
40°	6636.2	3886.9	2778.0	2792.3	2795.2	2832.6	2737.8	2694.7	2714.8	2689.0	2706.2
42.5°	6960.8	3898.4	2700.4	2689.0	2743.6	2729.1	2683.2	2625.7	2637.2	2559.7	2571.1
45°	7133.2	3976.0	2654.4	2602.8	2663.1	2660.2	2599.9	2545.3	2476.4	2327.0	2332.7
47.5°	7248.1	3996.1	2545.3	2510.8	2574.0	2611.4	2542.4	2416.0	2318.4	2212.1	2186.2
50°	7365.9	4033.4	2493.6	2421.8	2447.7	2536.7	2450.5	2329.8	2235.1	2140.3	2154.6
52.5°	7469.4	4105.3	2393.1	2286.8	2332.7	2430.4	2384.5	2237.9	2134.5	2056.9	2033.9
55°	7929.0	4266.1	2223.6	2085.7	2194.8	2318.4	2292.5	2114.4	2002.4	1962.1	1956.4
56°	8000.8	4271.9	2134.5	2016.7	2117.2	2281.0	2249.4	2059.8	1959.2	1896.0	1898.9
57.5°	8012.3	4202.9	2008.1	1953.5	2039.7	2226.5	2186.2	2016.7	1878.8	1821.3	1804.1
60°	7049.9	3280.8	1850.1	1815.6	1916.2	2059.8	2045.4	1898.9	1743.8	1677.7	1709.3
62.5°	4806.2	2404.5	1726.6	1720.8	1772.6	1913.3	1875.9	1743.8	1614.5	1571.4	1551.3
65°	2798.1	1824.2	1605.9	1582.9	1626.0	1700.7	1726.6	1588.6	1453.6	1424.9	1416.3
67.5°	1651.9	1508.2	1450.7	1413.4	1399.1	1445.0	1465.1	1384.7	1249.7	1209.4	1244.0
70°	1381.8	1341.6	1344.5	1281.3	1246.8	1215.2	1198.0	1126.1	1014.1	962.4	948.1
72.5°	1192.2	1175.0	1163.5	1106.1	1074.4	1002.6	927.9	856.1	772.8	729.7	732.6
75°	910.7	904.9	910.7	882.0	827.4	769.9	700.9	609.0	545.8	491.3	502.8
77.5°	542.9	560.2	568.8	557.3	534.3	482.6	439.6	379.2	318.9	275.8	270.1
80°	373.5	387.8	402.2	387.8	364.9	327.5	281.6	235.6	192.5	169.5	163.7
82.5°	284.4	298.8	307.4	293.0	264.3	224.1	192.5	160.9	126.4	103.4	97.6
85°	103.4	117.8	114.9	137.9	149.4	143.6	123.6	94.8	71.8	51.7	48.9
87.5°	28.7	25.8	28.7	28.7	28.7	25.8	23.0	23.0	23.0	14.3	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)