

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: P531014

Luminaire Tested: **GLAN-SA6B-735-U-SL2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531014  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-735-U-SL2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26641 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

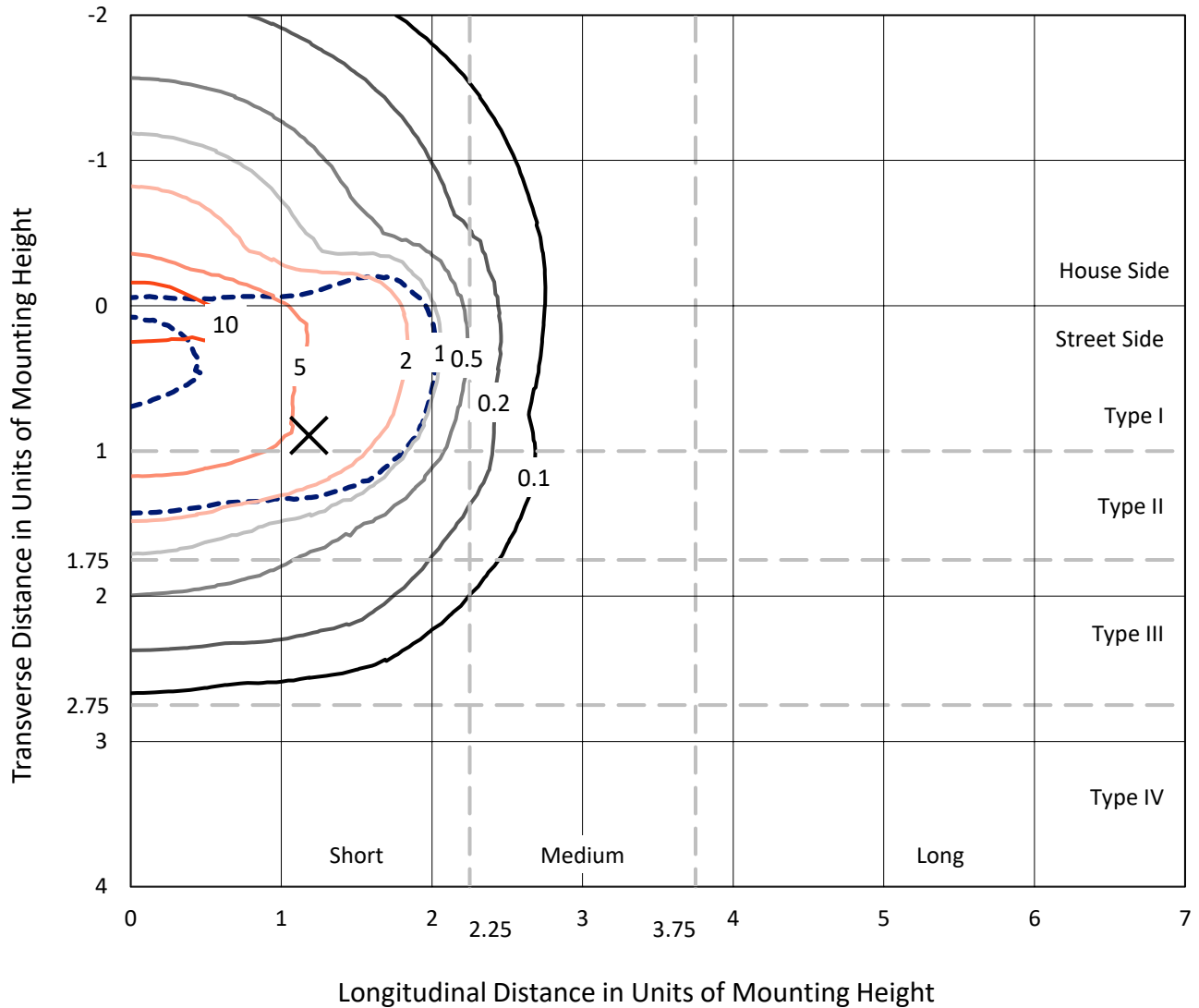
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

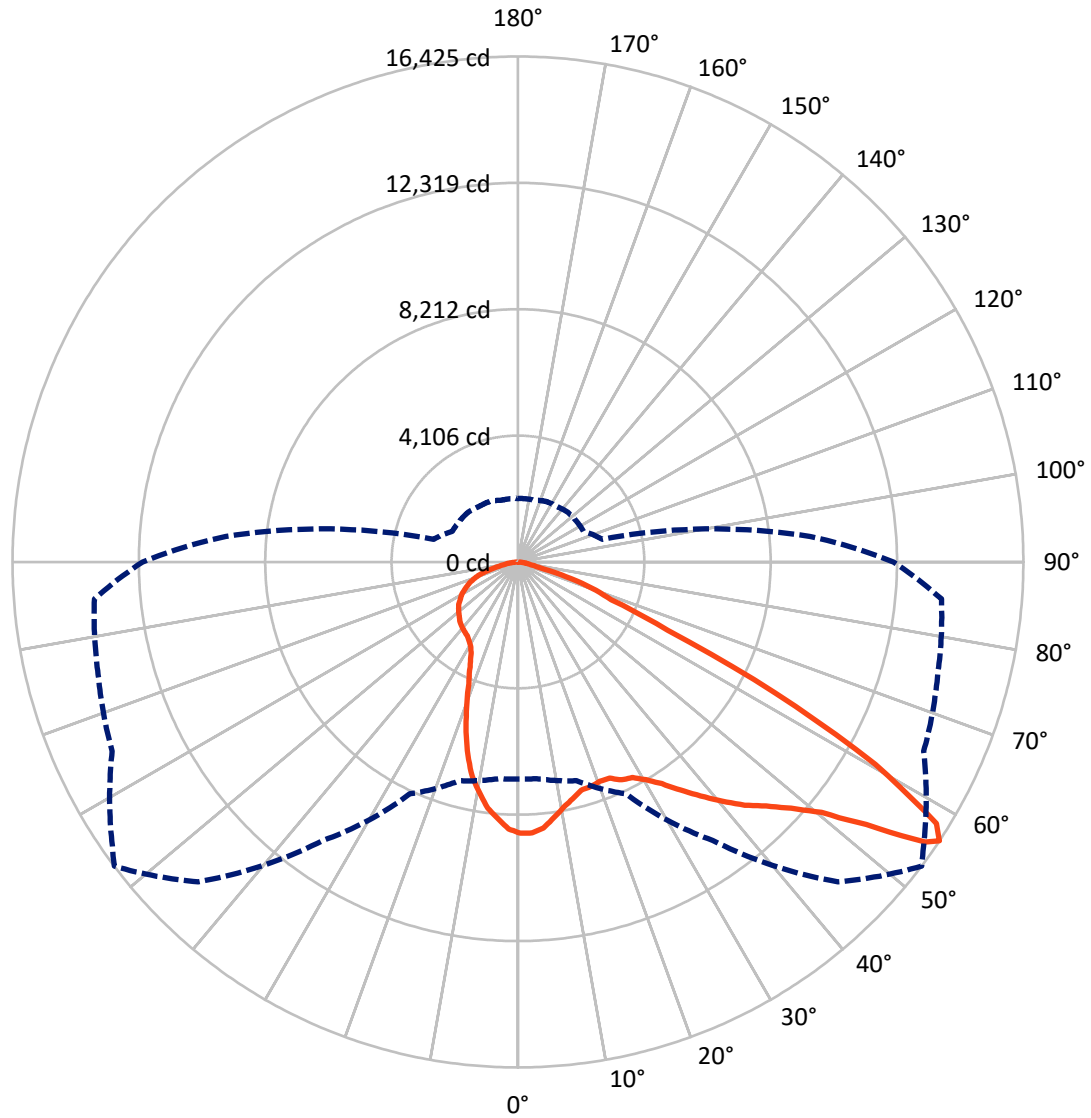
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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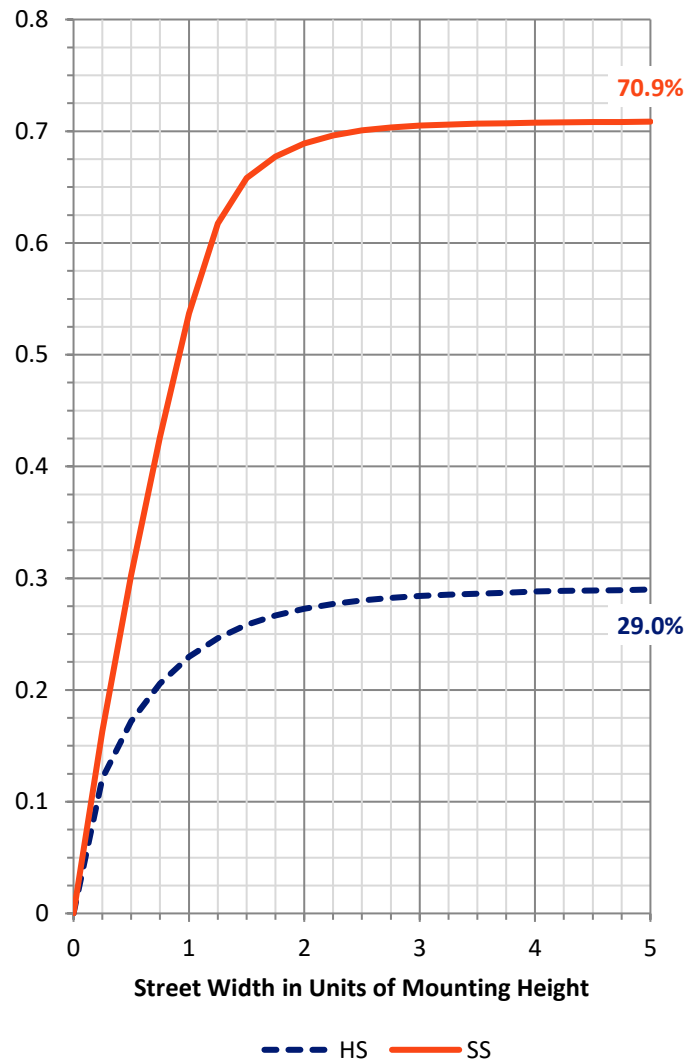
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7774.4	0.0	7774.4
	% Fixture	29.2	0.0	29.2
<b>Street Side</b>	Lumens	18866.6	0.0	18866.6
	% Fixture	70.8	0.0	70.8
<b>Total</b>	Lumens	26641.0	0.0	26641.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	780.3	2.9
10°-20°	1948.8	7.3
20°-30°	2873.7	10.8
30°-40°	4105.9	15.4
40°-50°	5651.3	21.2
50°-60°	6678.3	25.1
60°-70°	3559.1	13.4
70°-80°	902.9	3.4
80°-90°	140.8	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°	26641.0	100.0
0°-180°	26641.0	100.0



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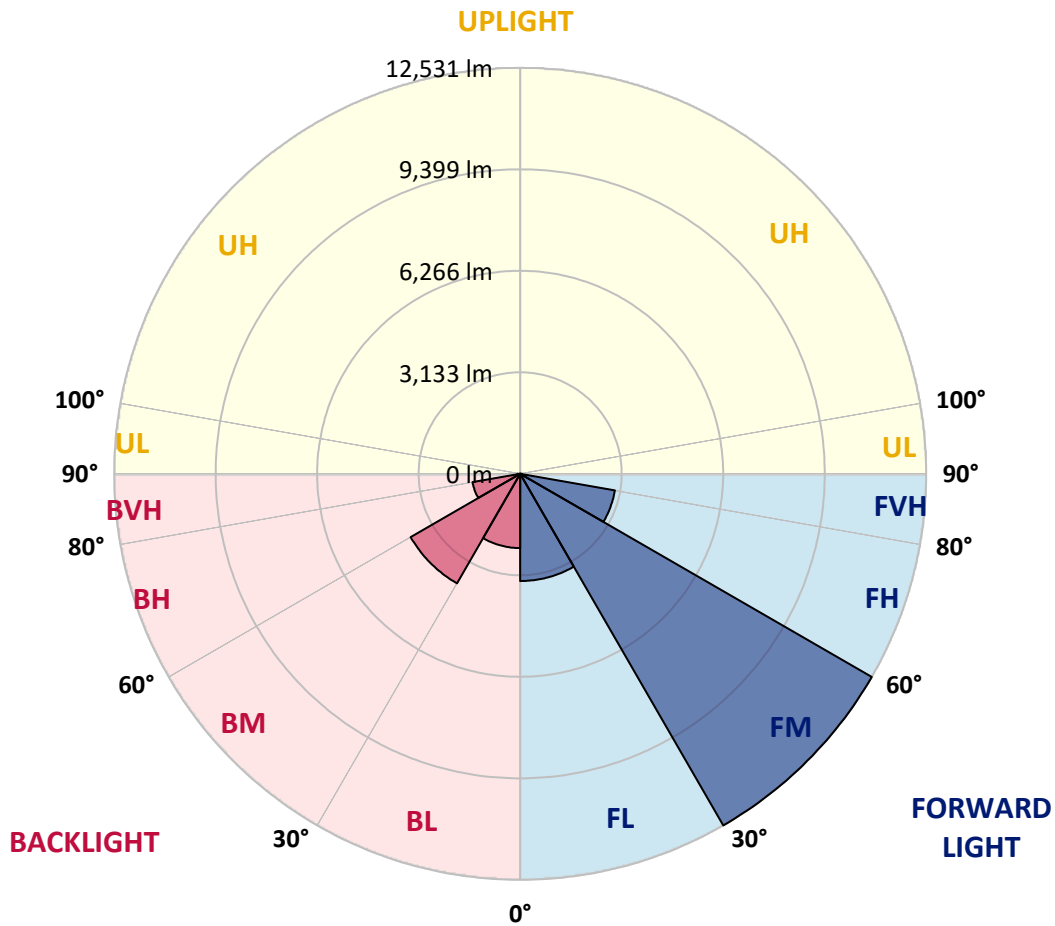
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3309.8	12.4			
FM (30°-60°)	12531.4	47.0			
FH (60°-80°)	2968.8	11.1			G2/5000
FVH (80°-90°)	56.6	0.2			G1/100
BL (0°-30°)	2293.0	8.6	B3/2500		
BM (30°-60°)	3904.1	14.7	B3/5000		
BH (60°-80°)	1493.2	5.6	B3/2500		G3/2500
BVH (80°-90°)	84.2	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°	53°	55°	65°	75°	85°
0°	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9
2.5°	8704.5	8629.3	8673.8	8656.7	8796.8	8837.8	8817.3	8834.4	8913.0	8875.4	8796.8
5°	8133.8	8239.7	8260.2	8311.5	8393.5	8554.2	8680.6	8714.8	8752.4	8926.7	8909.6
7.5°	7614.3	7686.1	7648.5	7798.9	7976.6	8236.3	8390.1	8417.5	8762.6	8858.3	8930.1
10°	7286.2	7214.5	7385.4	7426.4	7628.0	7925.3	8109.9	8222.7	8537.1	8916.4	8960.8
12.5°	6982.1	6958.2	7060.7	7176.9	7402.4	7710.0	7898.0	7942.4	8427.7	8827.6	9036.0
15°	6756.5	6729.2	6831.7	6917.1	7180.3	7453.7	7692.9	7819.4	8308.1	8776.3	8971.1
17.5°	6578.8	6575.4	6633.5	6787.3	7057.3	7286.2	7672.4	7679.3	8246.6	8854.9	9025.8
20°	6568.6	6565.1	6575.4	6746.3	6992.3	7272.6	7607.5	7669.0	8246.6	8800.2	9029.2
22.5°	6654.0	6599.3	6660.8	6770.2	6947.9	7296.5	7631.4	7768.1	8444.8	9070.2	9183.0
25°	6790.7	6804.4	6838.5	6876.1	6978.7	7351.2	7843.3	7956.1	8677.2	9302.6	9394.9
27.5°	7040.2	7033.3	7047.0	7067.5	7156.4	7402.4	7928.7	8219.2	9162.5	9716.1	9623.9
30°	7405.9	7381.9	7436.6	7508.4	7426.4	7566.5	8212.4	8431.1	9613.6	10133.1	9880.2
32.5°	7737.4	7826.2	7928.7	7959.5	7860.4	7887.7	8588.3	8810.5	9989.5	10645.7	10194.6
35°	8150.9	8222.7	8359.4	8455.0	8438.0	8355.9	9101.0	9394.9	10532.9	11021.6	10526.1
37.5°	8554.2	8639.6	8865.2	9148.8	8991.6	8954.0	9647.8	9890.4	10700.4	11223.3	10768.7
40°	9203.5	9200.1	9589.7	9736.6	9876.8	9811.8	10215.1	10297.1	10789.2	11178.8	10775.6
42.5°	9965.6	9917.8	10314.2	10543.2	10724.3	10731.1	10806.3	10779.0	10830.3	10953.3	10703.8
45°	10690.1	10792.7	11192.5	11602.6	11783.8	11804.3	11305.3	11254.0	10902.0	10888.4	10567.1
47.5°	11575.3	11599.2	11927.3	12467.3	12887.6	12744.1	11951.2	11838.4	11216.4	11322.4	10796.1
50°	11626.5	11804.3	12098.2	12733.8	14025.7	13988.1	12788.5	12576.6	11722.2	11937.5	11435.2
52.5°	10553.4	10512.4	10861.0	11900.0	13940.2	15225.2	14176.0	13670.2	12809.0	12645.0	12470.7
55°	8041.5	8137.2	8444.8	9494.0	12105.0	15242.3	16066.0	15652.4	13971.0	13690.8	13489.1
56°	7053.8	7067.5	7358.0	8314.9	11045.6	14698.9	16424.8	16089.9	14548.6	14121.4	13813.8
57.5°	5847.4	5768.8	5919.2	6442.1	9323.1	13550.6	16031.8	16359.9	15225.2	14586.2	14159.0
60°	4603.5	4586.4	4524.9	4620.5	5891.9	10208.3	13345.6	14083.8	15156.9	14148.7	13560.9
62.5°	3759.3	3673.9	3796.9	3933.6	4094.2	6332.7	9377.8	9811.8	12033.2	11295.0	10187.8
65°	2915.2	2874.2	3028.0	3472.2	3567.9	4022.5	5341.6	5676.6	7105.1	6978.7	6144.8
67.5°	2006.1	2012.9	2146.2	2822.9	3308.2	3267.2	3270.6	3444.9	3708.1	2754.6	2399.1
70°	1271.3	1267.9	1339.7	1818.1	2662.3	2689.6	2552.9	2501.7	2371.8	1435.4	1520.8
72.5°	816.8	792.9	830.5	1004.8	1377.3	1592.6	1640.4	1671.2	1373.9	1127.8	1223.5
75°	461.4	437.4	423.8	468.2	543.4	628.8	690.3	710.9	796.3	854.4	905.7
77.5°	140.1	126.4	153.8	205.1	270.0	362.3	440.9	454.5	536.6	604.9	656.2
80°	61.5	68.4	95.7	136.7	191.4	256.3	311.0	331.5	386.2	437.4	451.1
82.5°	37.6	41.0	64.9	92.3	133.3	181.1	222.1	229.0	283.7	324.7	334.9
85°	13.7	17.1	34.2	54.7	85.4	116.2	116.2	126.4	116.2	116.2	126.4
87.5°	0.0	0.0	3.4	6.8	6.8	10.3	13.7	13.7	17.1	20.5	23.9
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°	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9	8813.9
2.5°	8837.8	8820.7	8793.4	8694.3	8684.0	8653.3	8482.4	8455.0	8482.4	8400.4	8407.2
5°	8820.7	8872.0	8666.9	8567.8	8383.3	8250.0	8096.2	8017.6	7877.5	7788.6	7887.7
7.5°	8895.9	8875.4	8619.1	8403.8	8127.0	7788.6	7518.6	7364.8	7118.8	7050.4	7101.7
10°	8868.6	8759.2	8458.5	8174.8	7651.9	7354.6	6917.1	6493.4	6261.0	6141.4	6124.3
12.5°	8831.0	8800.2	8297.8	7809.1	7258.9	6633.5	6018.3	5618.5	5239.1	5075.1	5099.0
15°	8875.4	8615.7	7997.1	7378.5	6647.2	5826.9	5163.9	4647.9	4384.7	4278.8	4278.8
17.5°	8854.9	8526.8	7853.6	6896.6	5970.5	4999.9	4272.0	3961.0	3851.6	3851.6	3882.4
20°	8865.2	8584.9	7563.1	6414.8	5170.8	4210.4	3680.7	3567.9	3615.8	3632.9	3650.0
22.5°	8923.3	8393.5	7279.4	5885.0	4429.2	3602.1	3342.4	3345.8	3431.2	3523.5	3506.4
25°	8995.0	8318.3	6934.2	5358.7	3861.8	3304.8	3222.8	3212.5	3277.4	3325.3	3332.1
27.5°	8933.5	8188.5	6582.2	4702.6	3397.1	3106.6	3089.5	3096.3	3116.8	3212.5	3181.8
30°	9135.1	8226.1	6141.4	4152.3	3140.7	3041.6	3021.1	3010.9	3041.6	3069.0	3045.0
32.5°	9384.6	8092.8	5813.3	3622.6	3014.3	2993.8	2952.8	2939.1	2956.2	2928.9	2942.5
35°	9494.0	8068.9	5386.1	3243.3	2915.2	2898.1	2874.2	2870.8	2874.2	2850.2	2829.7
37.5°	9555.5	8181.6	4897.4	3069.0	2853.7	2870.8	2816.1	2809.2	2747.7	2761.4	2771.6
40°	9661.4	8007.3	4500.9	2901.5	2816.1	2781.9	2734.0	2723.8	2682.8	2658.9	2682.8
42.5°	9507.7	7956.1	4111.3	2829.7	2761.4	2723.8	2689.6	2631.5	2617.9	2597.3	2583.7
45°	9384.6	7662.2	3762.7	2740.9	2696.5	2676.0	2611.0	2549.5	2498.2	2518.7	2488.0
47.5°	9476.9	7559.6	3417.6	2665.7	2607.6	2583.7	2518.7	2470.9	2419.6	2395.7	2388.9
50°	9846.0	7751.0	3127.1	2611.0	2532.4	2518.7	2433.3	2378.6	2330.8	2313.7	2320.5
52.5°	10727.7	8273.9	2928.9	2498.2	2460.6	2399.1	2351.3	2282.9	2252.2	2197.5	2231.7
55°	11845.3	9124.9	2877.6	2392.3	2371.8	2317.1	2252.2	2200.9	2142.8	2098.4	2088.1
56°	12204.1	9531.6	2836.6	2351.3	2317.1	2286.3	2200.9	2170.2	2077.9	2067.6	2060.8
57.5°	12494.6	9890.4	2843.4	2272.7	2238.5	2211.2	2159.9	2084.7	2023.2	1985.6	2002.7
60°	11838.4	9258.2	2713.5	2153.1	2146.2	2095.0	2023.2	1989.0	1913.8	1869.4	1859.2
62.5°	8800.2	6284.9	2200.9	1999.3	1995.9	1941.2	1859.2	1821.6	1807.9	1746.4	1746.4
65°	5068.2	3940.4	1903.6	1872.8	1845.5	1790.8	1708.8	1678.0	1643.8	1623.3	1606.3
67.5°	2163.3	2043.7	1729.3	1725.9	1695.1	1626.8	1544.7	1496.9	1452.5	1411.5	1432.0
70°	1568.7	1592.6	1561.8	1544.7	1507.1	1421.7	1349.9	1291.8	1223.5	1196.1	1216.7
72.5°	1244.0	1295.3	1339.7	1343.1	1298.7	1199.6	1121.0	1042.4	967.2	929.6	946.7
75°	943.2	977.4	1021.9	1032.1	967.2	898.8	823.6	741.6	683.5	639.1	645.9
77.5°	680.1	673.3	714.3	707.4	676.7	628.8	560.5	485.3	420.4	379.3	382.8
80°	464.8	475.0	499.0	495.5	458.0	427.2	375.9	314.4	266.6	232.4	225.6
82.5°	324.7	341.8	362.3	345.2	314.4	283.7	246.1	201.6	164.0	136.7	129.9
85°	116.2	133.3	153.8	164.0	174.3	167.5	140.1	112.8	82.0	68.4	64.9
87.5°	23.9	27.3	30.8	30.8	30.8	27.3	23.9	23.9	20.5	10.3	10.3
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)