

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: P317400

Luminaire Tested: **GAN-SA6B-730-U-T2R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T2R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32428 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

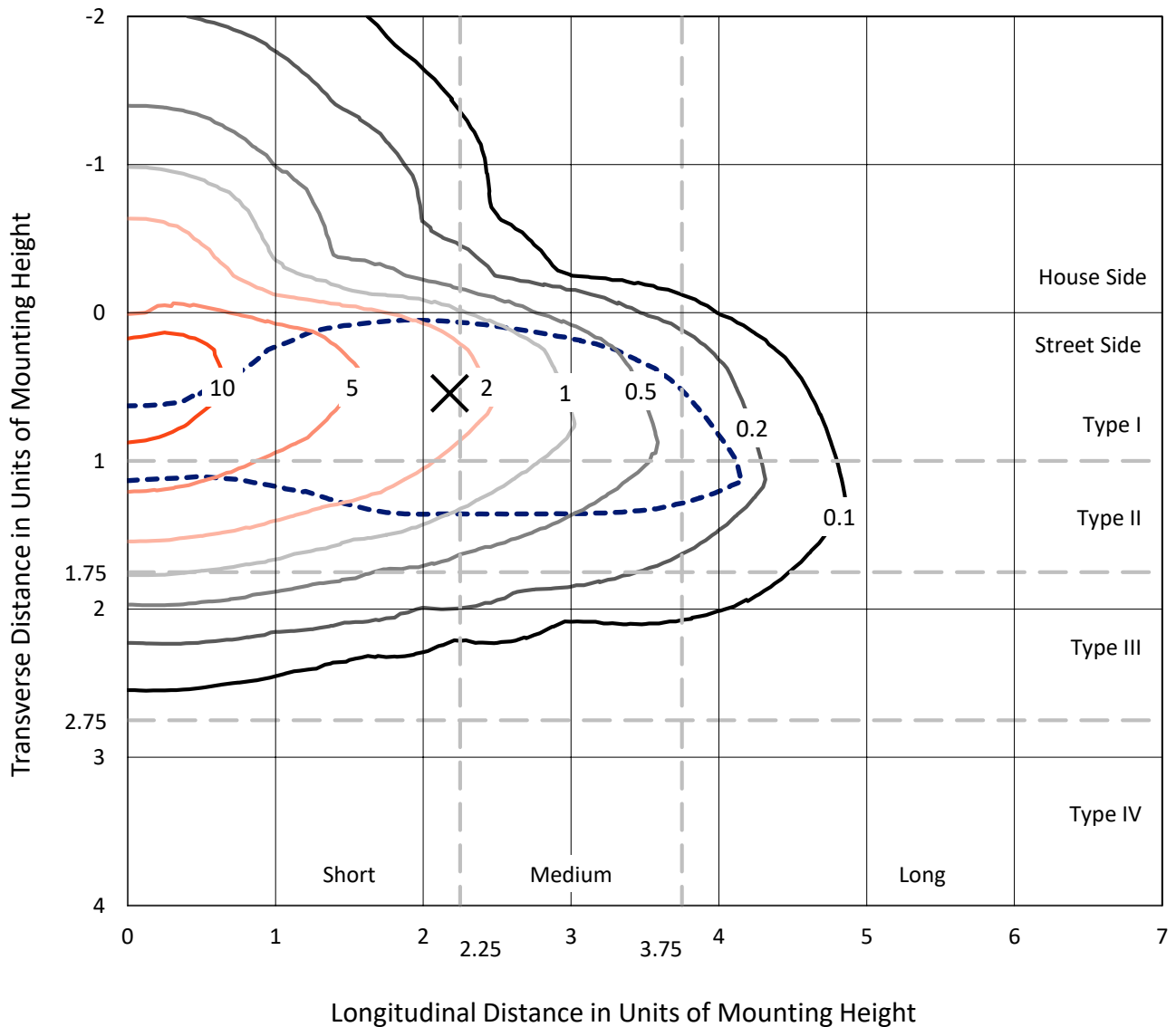
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

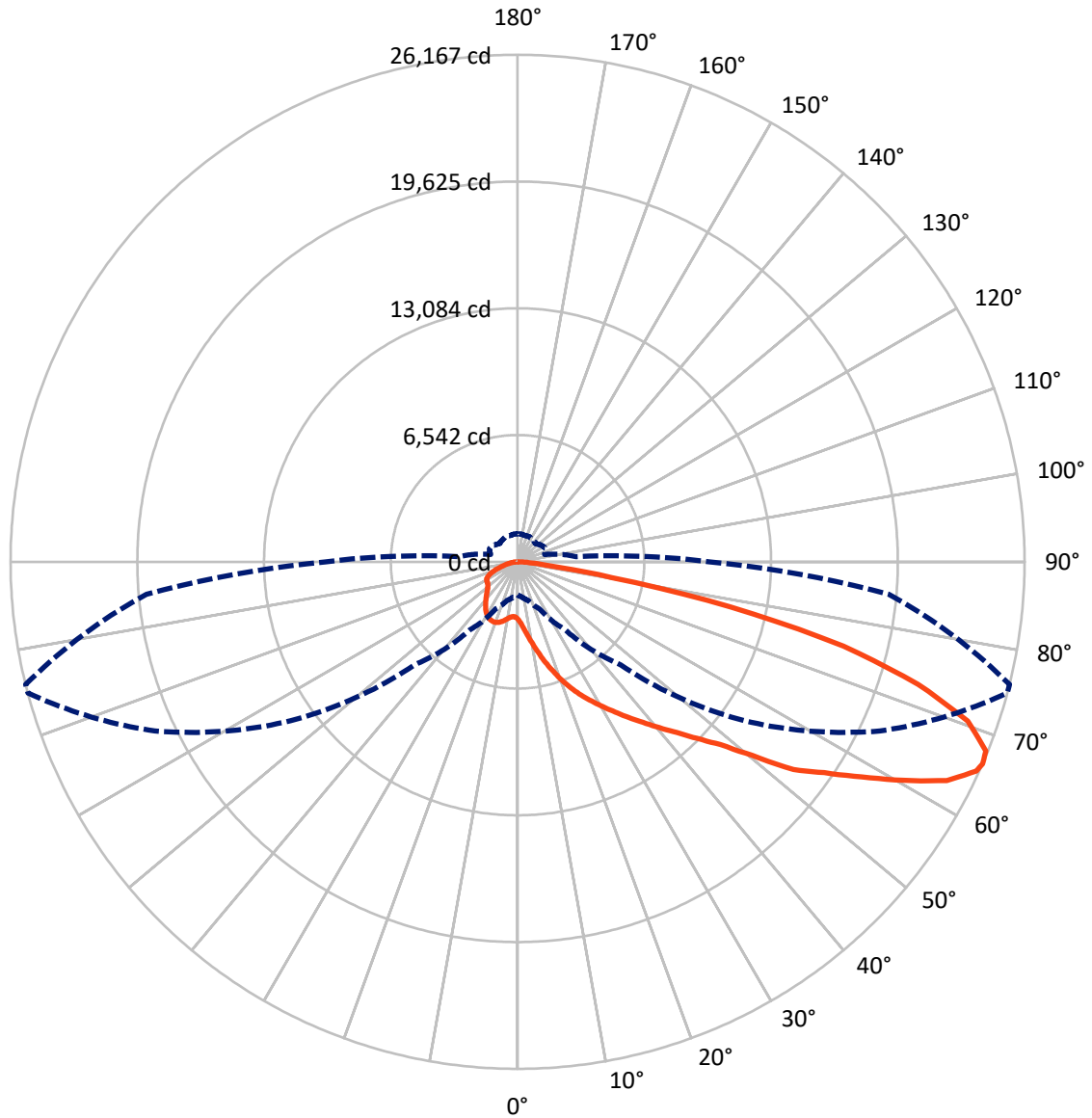
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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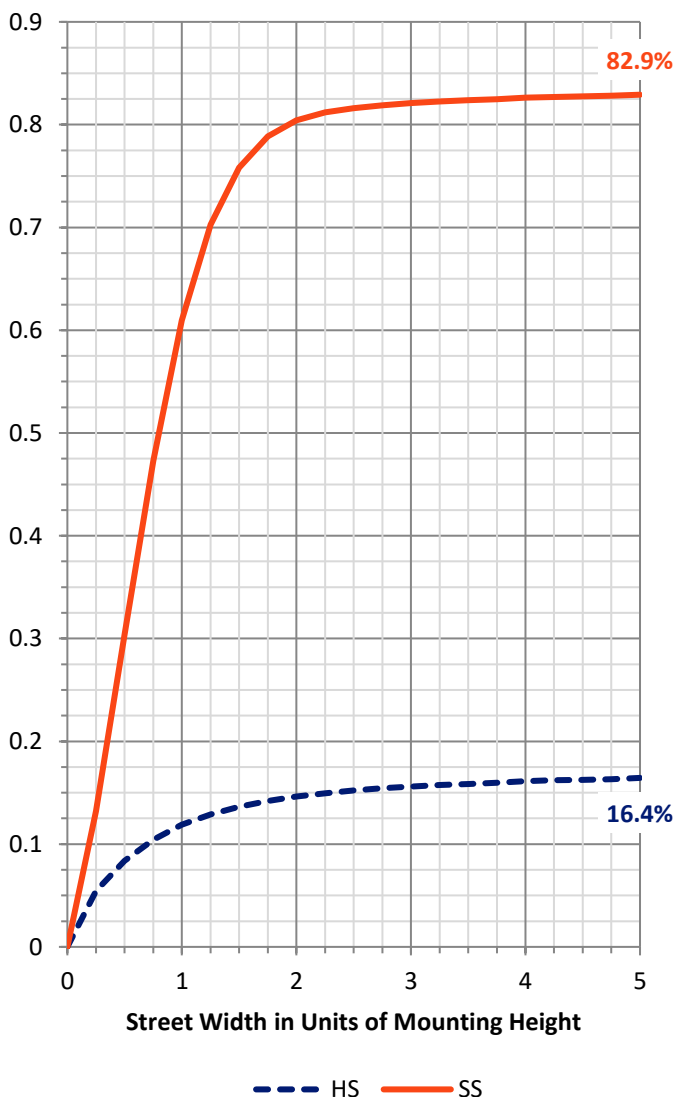
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5456.5	0.0	5456.5
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	26971.5	0.0	26971.5
	% Fixture	83.2	0.0	83.2
Total	Lumens	32428.0	0.0	32428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.1	1.1
10°-20°	1414.2	4.4
20°-30°	2748.1	8.5
30°-40°	4485.5	13.8
40°-50°	6128.2	18.9
50°-60°	7138.2	22.0
60°-70°	6399.5	19.7
70°-80°	3234.0	10.0
80°-90°	522.3	1.6
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°	32428.0	100.0
0°-180°	32428.0	100.0

Coefficient of Utilization

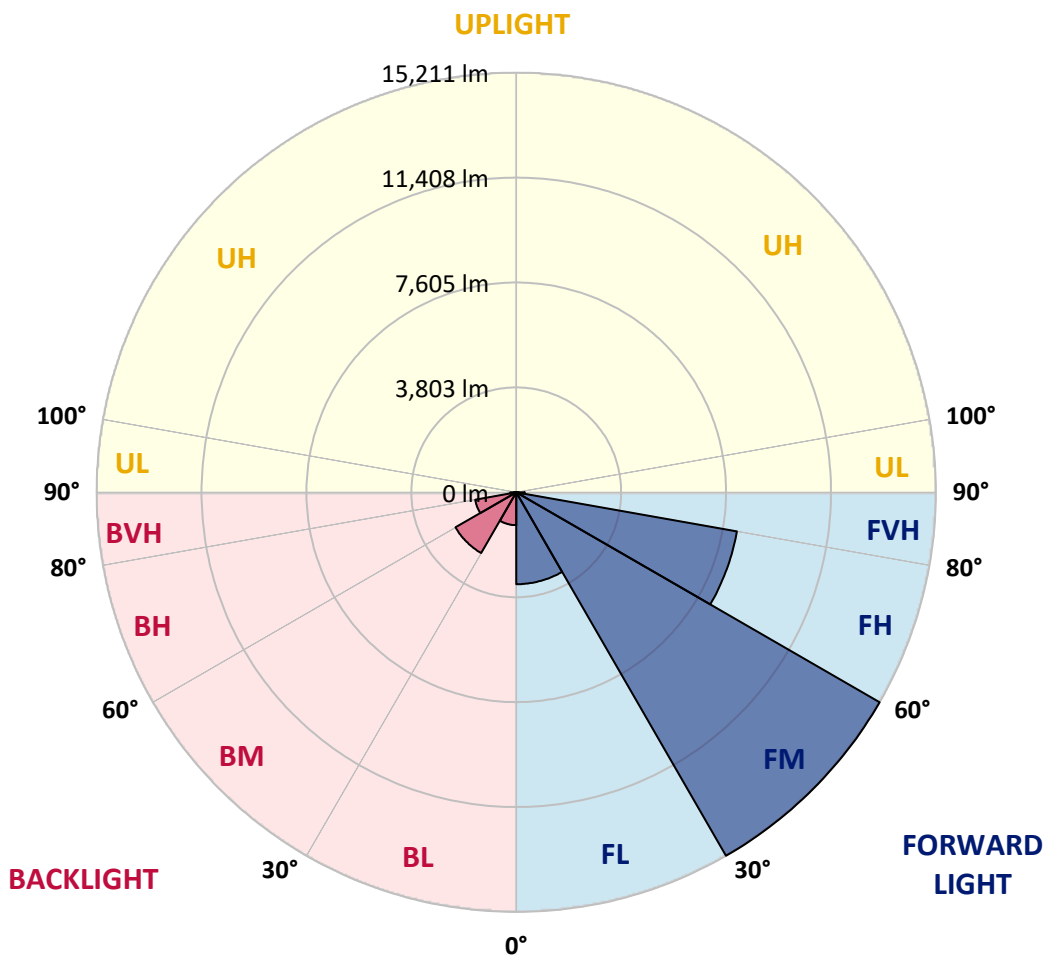


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3330.3	10.3			
FM (30°-60°)	15211.0	46.9			
FH (60°-80°)	8121.8	25.0			G4/12000
FVH (80°-90°)	308.4	1.0			G3/500
BL (0°-30°)	1190.1	3.7	B3/2500		
BM (30°-60°)	2540.9	7.8	B3/5000		
BH (60°-80°)	1511.7	4.7	B3/2500		G3/2500
BVH (80°-90°)	213.8	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4
2.5°	3931.3	3871.8	3866.3	3779.4	3759.6	3593.3	3471.1	3343.4	3198.1	3169.5	3055.0
5°	5049.8	5044.3	4968.3	4826.3	4715.1	4431.1	4150.4	3853.1	3527.3	3474.4	3216.8
7.5°	6056.0	6047.2	5988.9	5835.8	5675.1	5326.1	4925.4	4469.6	3941.2	3863.0	3435.9
10°	6820.0	6816.7	6796.9	6684.6	6548.1	6213.5	5770.9	5148.9	4422.3	4315.5	3710.0
12.5°	7410.1	7416.7	7429.9	7390.3	7325.4	7040.2	6586.7	5868.9	4935.3	4829.6	4015.0
15°	7809.7	7829.6	7897.8	7954.0	7988.1	7813.1	7373.8	6605.4	5510.0	5383.4	4352.9
17.5°	8011.2	8033.2	8151.0	8320.6	8476.9	8459.3	8110.3	7307.7	6061.5	5939.3	4716.2
20°	8185.2	8201.7	8333.8	8537.4	8813.8	8936.0	8740.0	7983.7	6665.9	6520.6	5101.5
22.5°	8689.4	8710.3	8749.9	8865.5	9109.9	9334.5	9239.8	8623.3	7219.7	7084.3	5467.0
25°	9662.6	9687.9	9602.0	9504.0	9550.3	9706.6	9724.2	9206.8	7781.1	7628.1	5860.1
27.5°	10835.0	10871.3	10724.9	10472.8	10252.6	10192.1	10171.2	9684.6	8317.3	8140.0	6248.7
30°	11983.2	12046.0	11855.5	11528.6	11124.5	10840.5	10630.2	10152.5	8845.7	8676.2	6615.3
32.5°	13105.1	13079.7	12803.4	12484.2	12010.8	11655.2	11146.6	10654.5	9440.2	9245.3	6979.7
35°	13873.5	13882.3	13625.8	13247.1	12795.7	12522.7	11837.9	11196.1	10046.8	9867.3	7393.6
37.5°	14527.4	14486.7	14196.0	13842.7	13454.0	13337.3	12647.1	11792.8	10704.0	10508.0	7834.0
40°	14745.4	14698.1	14507.6	14253.3	13941.7	13931.8	13539.9	12468.7	11447.1	11253.3	8330.5
42.5°	14613.3	14552.7	14474.6	14405.2	14309.4	14353.5	14378.8	13261.4	12264.0	12047.1	8905.1
45°	14125.6	14034.2	14089.3	14240.1	14448.1	14696.9	15136.2	14138.8	13178.8	12997.2	9580.0
47.5°	13375.9	13293.3	13465.0	13787.6	14353.5	14983.2	15852.9	15107.6	14270.9	14090.4	10541.1
50°	12321.2	12345.4	12590.9	13177.7	14033.1	15115.3	16735.8	16390.1	15858.4	15690.0	11852.2
52.5°	10590.6	10595.0	11286.4	12249.7	13465.0	15047.0	17225.7	18029.4	18026.1	17822.4	13100.7
55°	8983.3	9081.3	9628.4	10908.8	12544.7	14774.0	17568.1	18826.4	19449.5	19210.6	14264.3
57.5°	7413.4	7470.7	7989.2	9275.0	11231.3	14046.3	17919.3	19783.1	21089.8	20939.0	15710.9
60°	5627.8	5715.8	6252.0	7439.8	9551.4	12755.0	17952.3	20781.6	23050.5	22898.6	17325.9
62.5°	3652.8	3804.7	4306.7	5419.7	7519.1	10897.8	17186.1	21434.4	24908.9	24854.9	18759.3
65°	2099.4	2213.9	2562.9	3421.6	5187.4	8566.1	15364.1	21183.4	26052.7	26021.9	19295.4
66°	1715.2	1786.8	2054.3	2674.1	4280.3	7522.4	14305.0	20653.9	26166.1	26167.2	19233.7
67.5°	1371.7	1403.6	1523.6	1914.5	3158.5	5962.4	12412.6	19485.8	26025.2	26063.7	18836.3
70°	1135.0	1151.5	1189.0	1283.6	1724.0	3595.5	8810.5	16450.7	24610.5	24640.2	17285.2
72.5°	1018.3	1028.2	1042.5	1055.8	1216.5	2009.1	5381.2	13160.1	21577.5	21616.1	14921.5
75°	922.6	928.1	925.9	927.0	1020.5	1280.3	2780.9	9825.5	17447.0	17369.9	11430.6
77.5°	810.3	815.8	804.8	807.0	902.7	984.2	1383.8	6878.4	11774.1	11230.2	6440.2
80°	684.8	689.2	684.8	692.5	786.0	743.1	804.8	3869.6	5206.1	4924.3	2289.9
82.5°	517.4	536.1	549.3	580.2	647.3	528.4	538.3	1507.1	1585.3	1509.3	702.4
85°	226.8	276.3	413.9	443.7	486.6	317.1	353.4	614.3	645.1	625.3	255.4
87.5°	59.4	65.0	204.8	257.6	269.7	143.1	183.8	279.6	295.0	279.6	84.8
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°	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4	2961.4
2.5°	2994.4	2940.5	2843.6	2757.7	2692.8	2648.8	2604.7	2582.7	2569.5	2556.3	2558.5
5°	3090.2	2981.2	2815.0	2697.2	2631.1	2589.3	2567.3	2558.5	2553.0	2539.8	2539.8
7.5°	3234.4	3080.3	2851.3	2730.2	2678.5	2646.6	2633.3	2628.9	2622.3	2606.9	2609.1
10°	3416.1	3200.3	2927.3	2809.5	2762.1	2726.9	2708.2	2701.6	2689.5	2671.9	2674.1
12.5°	3629.7	3348.9	3027.5	2904.2	2846.9	2799.6	2768.8	2750.0	2729.1	2706.0	2707.1
15°	3863.0	3510.8	3135.3	2988.9	2910.8	2844.7	2795.2	2763.2	2730.2	2701.6	2700.5
17.5°	4099.7	3667.1	3217.9	3035.2	2929.5	2842.5	2775.4	2725.8	2685.1	2649.9	2646.6
20°	4355.1	3808.0	3264.2	3030.8	2894.3	2790.8	2701.6	2639.9	2594.8	2559.6	2554.1
22.5°	4615.0	3940.1	3271.9	2985.6	2816.1	2689.5	2595.9	2527.7	2481.4	2445.1	2431.9
25°	4852.7	4042.5	3239.9	2898.7	2707.1	2570.6	2479.2	2409.9	2372.4	2329.5	2316.3
27.5°	5069.6	4114.0	3176.1	2787.5	2584.9	2450.6	2364.7	2305.3	2264.5	2231.5	2220.5
30°	5264.5	4152.6	3071.5	2655.4	2459.4	2337.2	2264.5	2223.8	2188.6	2146.7	2139.0
32.5°	5449.4	4152.6	2937.2	2511.1	2335.0	2237.0	2194.1	2168.8	2129.1	2088.4	2077.4
35°	5634.4	4127.3	2778.7	2360.3	2220.5	2165.5	2163.3	2133.5	2073.0	2017.9	2003.6
37.5°	5829.2	4075.5	2600.3	2219.4	2126.9	2133.5	2152.2	2086.2	2000.3	1922.2	1901.2
40°	6049.4	4004.0	2415.4	2097.2	2048.8	2119.2	2122.5	2017.9	1850.6	1779.0	1760.3
42.5°	6308.1	3932.4	2243.6	1989.3	1987.1	2076.3	2066.4	1870.4	1770.2	1733.9	1724.0
45°	6648.3	3891.7	2080.7	1886.9	1938.7	2006.9	1970.6	1789.0	1747.1	1726.2	1717.4
47.5°	7184.4	3912.6	1931.0	1805.5	1890.2	1937.6	1792.3	1755.9	1726.2	1700.9	1692.1
50°	7856.0	3900.5	1809.9	1749.3	1835.2	1864.9	1711.9	1713.0	1697.6	1669.0	1655.7
52.5°	8361.3	3805.8	1731.7	1717.4	1786.8	1736.1	1661.3	1671.2	1663.5	1621.6	1607.3
55°	8849.0	3724.3	1692.1	1705.3	1751.5	1575.4	1601.8	1626.0	1618.3	1577.6	1571.0
57.5°	9455.6	3708.9	1667.9	1708.6	1721.8	1495.0	1544.6	1576.5	1571.0	1553.4	1550.1
60°	10198.7	3713.3	1645.8	1714.1	1688.8	1435.6	1490.6	1531.3	1534.6	1531.3	1529.1
62.5°	10607.1	3593.3	1590.8	1698.7	1630.4	1383.8	1434.5	1493.9	1495.0	1501.6	1500.5
65°	10260.3	3234.4	1488.4	1644.7	1532.4	1340.9	1386.0	1451.0	1434.5	1464.2	1464.2
66°	9923.5	3027.5	1437.8	1609.5	1490.6	1324.4	1370.6	1429.0	1408.0	1448.8	1448.8
67.5°	9235.4	2678.5	1346.4	1534.6	1431.2	1301.3	1353.0	1392.6	1364.0	1424.6	1420.2
70°	7978.2	2071.9	1162.5	1365.1	1333.2	1267.1	1328.8	1320.0	1278.1	1370.6	1353.0
72.5°	6726.5	1574.3	933.6	1142.7	1184.6	1224.2	1294.7	1227.5	1174.7	1239.6	1201.1
75°	5219.3	1183.5	737.6	888.4	1000.7	1157.0	1253.9	1120.7	1044.7	1038.1	1017.2
77.5°	2821.6	812.5	584.6	678.2	794.8	1073.4	1226.4	1006.2	891.7	865.3	848.8
80°	1117.4	528.4	424.9	514.1	556.0	952.3	1160.3	873.0	735.4	709.0	683.7
82.5°	461.3	312.7	274.1	344.6	362.2	814.7	1041.4	715.6	568.1	786.0	834.5
85°	198.2	171.7	162.9	178.3	204.8	571.4	829.0	546.0	613.2	547.1	434.9
87.5°	59.4	72.7	69.4	68.3	74.9	136.5	441.5	303.8	450.3	170.6	127.7
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)