

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: P317720

Luminaire Tested: **GAN-SA6B-730-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31824 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

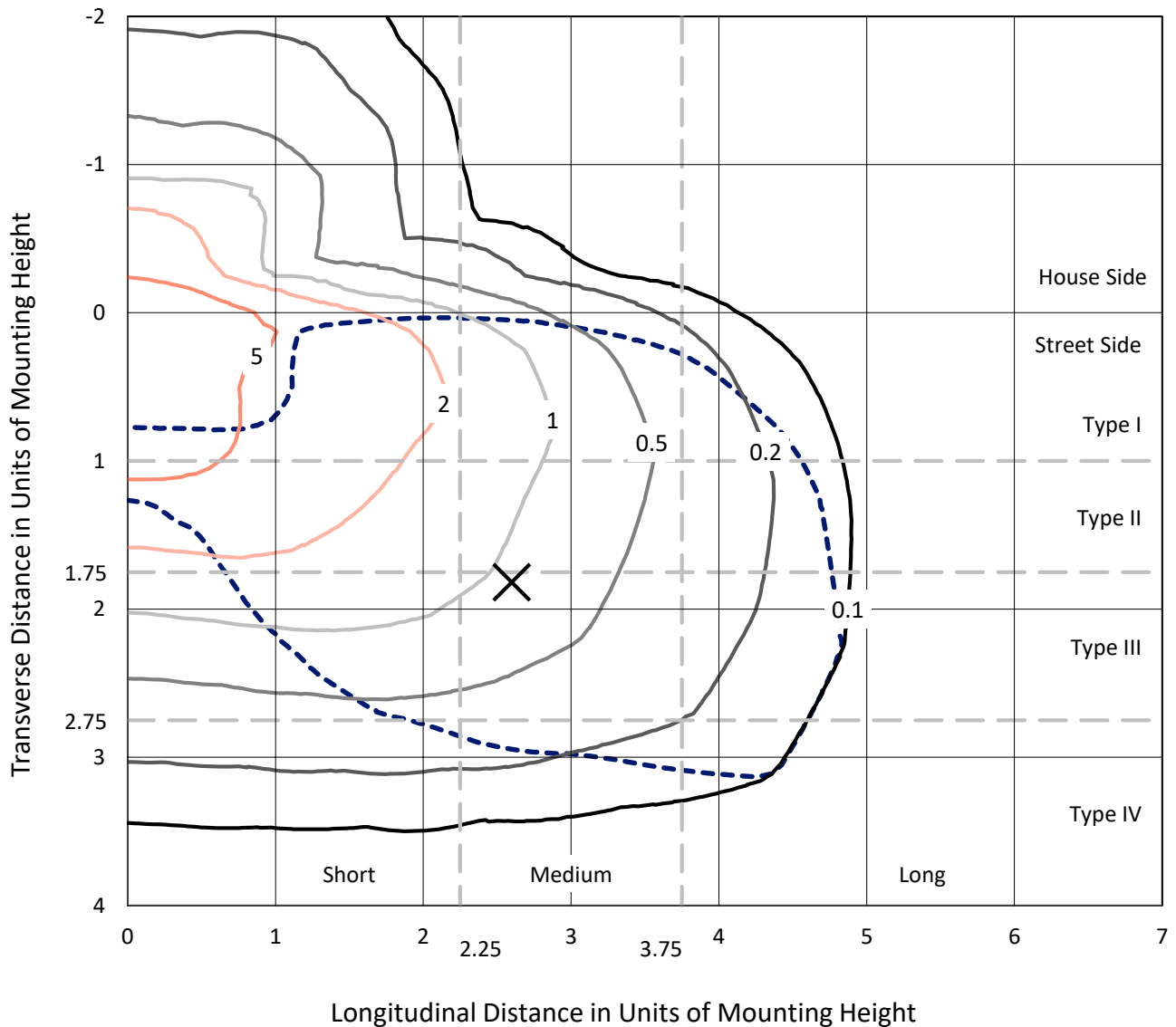
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317720
 CATALOG NUMBER: GAN-SA6B-730-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

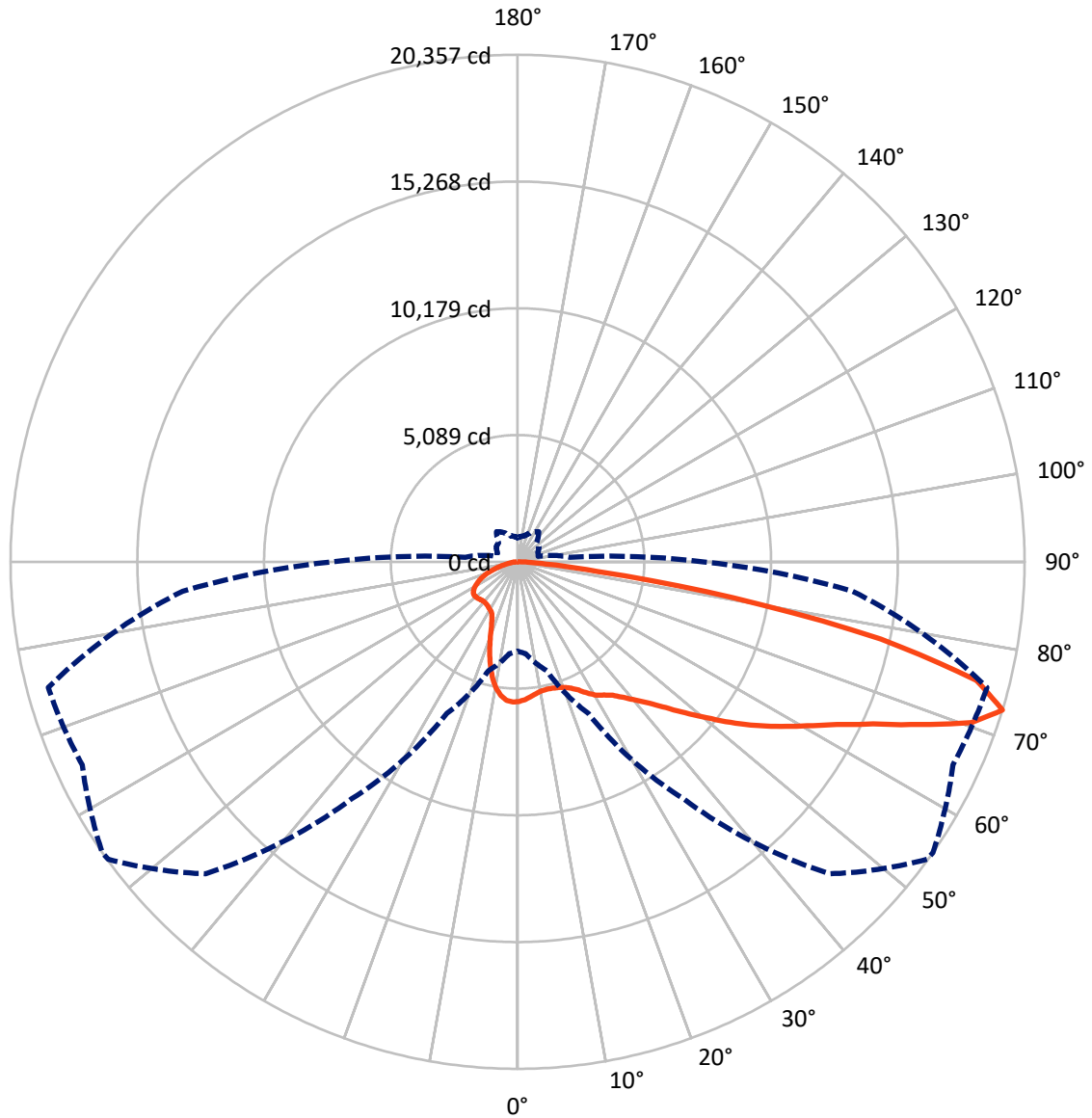
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P317720
CATALOG NUMBER: GAN-SA6B-730-U-T3R

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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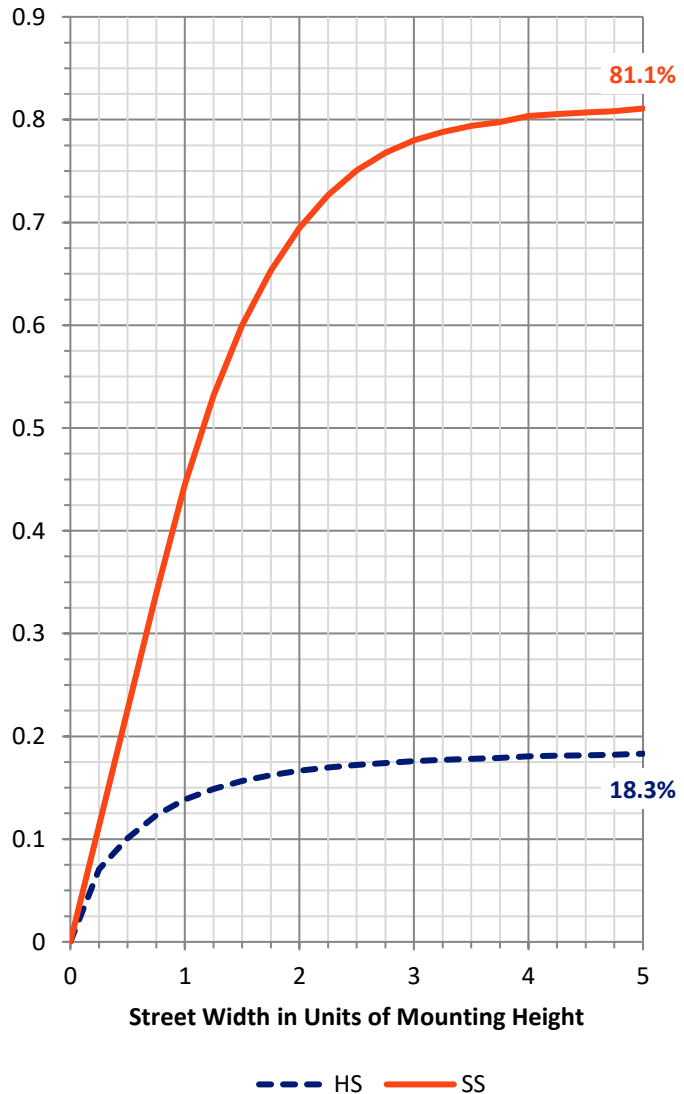
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5915.0	0.0	5915.0
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	25909.0	0.0	25909.0
	% Fixture	81.4	0.0	81.4
Total	Lumens	31824.0	0.0	31824.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.9	1.6
10°-20°	1352.3	4.2
20°-30°	2229.5	7.0
30°-40°	3298.1	10.4
40°-50°	4603.4	14.5
50°-60°	5993.8	18.8
60°-70°	7366.1	23.1
70°-80°	5774.2	18.1
80°-90°	698.8	2.2
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°	31824.0	100.0
0°-180°	31824.0	100.0

Coefficient of Utilization

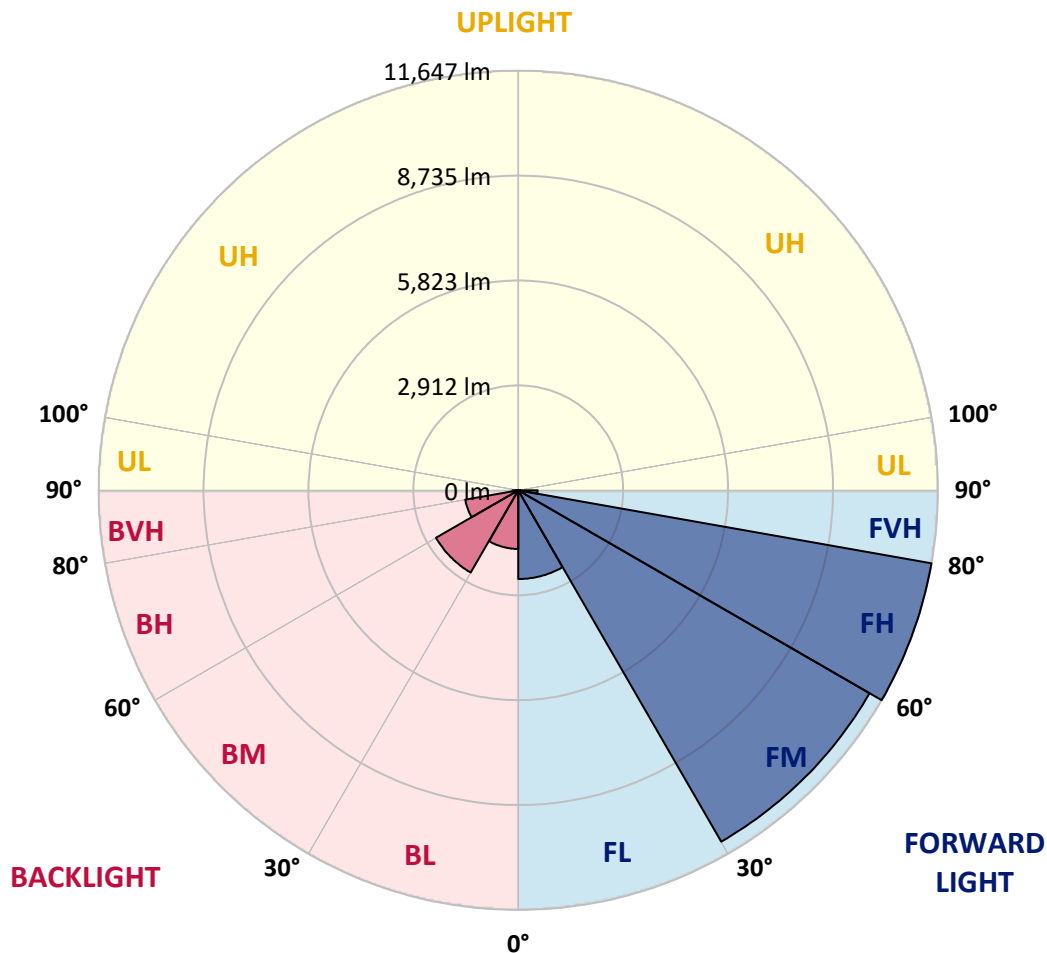


REPORT NUMBER: P317720
 CATALOG NUMBER: GAN-SA6B-730-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2462.2	7.7			
FM (30°-60°)	11260.0	35.4			
FH (60°-80°)	11646.5	36.6			G4/12000
FVH (80°-90°)	540.2	1.7			G4/750
BL (0°-30°)	1627.5	5.1	B3/2500		
BM (30°-60°)	2635.2	8.3	B3/5000		
BH (60°-80°)	1493.8	4.7	B3/2500		G3/2500
BVH (80°-90°)	158.5	0.5			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1
2.5°	5430.3	5417.4	5433.6	5456.1	5480.9	5514.2	5533.5	5542.1	5575.4	5588.3	5616.3
5°	5178.8	5172.4	5199.2	5237.9	5292.8	5370.1	5432.5	5444.3	5532.5	5594.8	5651.8
7.5°	4996.1	4996.1	5027.3	5073.5	5134.7	5239.0	5327.1	5343.3	5492.7	5627.0	5732.4
10°	4851.0	4856.3	4892.9	4947.7	5019.7	5130.4	5247.6	5265.9	5481.9	5702.3	5870.0
12.5°	4754.2	4767.1	4800.5	4849.9	4939.1	5073.5	5221.8	5246.5	5504.5	5809.8	6035.5
15°	4815.5	4837.0	4840.2	4860.6	4910.1	5056.3	5236.9	5262.7	5552.9	5919.4	6223.6
17.5°	5084.2	5091.7	5058.4	5015.4	4991.8	5085.3	5282.0	5308.9	5610.9	6028.0	6404.2
20°	5492.7	5488.4	5416.4	5300.3	5179.9	5194.9	5356.2	5384.1	5689.4	6123.6	6584.8
22.5°	6008.6	5993.6	5882.9	5669.0	5463.7	5377.7	5486.2	5509.9	5807.6	6260.2	6778.2
25°	6634.2	6600.9	6454.7	6167.7	5865.7	5644.2	5681.9	5704.4	5979.6	6412.8	6955.6
27.5°	7294.2	7260.9	7074.9	6727.7	6325.7	5980.7	5951.7	5971.0	6175.2	6525.6	7086.7
30°	7984.3	7948.8	7779.0	7389.9	6813.7	6328.9	6203.2	6210.7	6312.8	6586.9	7194.2
32.5°	8677.6	8644.3	8454.0	8002.5	7343.6	6703.0	6384.8	6375.2	6395.6	6650.3	7315.7
35°	9380.6	9393.5	9171.0	8671.1	7930.5	7119.0	6599.8	6579.4	6534.2	6780.4	7487.7
37.5°	10133.0	10124.4	9836.3	9313.9	8544.3	7570.4	6908.3	6905.1	6749.2	7026.5	7757.5
40°	10636.0	10641.4	10466.2	9971.7	9164.5	8070.3	7303.9	7296.3	7092.1	7395.2	8111.1
42.5°	10832.7	10868.2	10913.3	10599.5	9813.7	8649.6	7775.7	7765.0	7570.4	7924.1	8527.1
45°	10846.7	10917.6	11197.1	11157.3	10471.6	9312.8	8378.8	8348.7	8208.9	8627.1	9023.7
47.5°	10726.3	10799.4	11263.8	11489.5	11059.5	10012.6	9083.9	9060.2	8939.8	9506.3	9561.1
50°	10463.0	10532.8	11126.2	11651.8	11543.2	10685.5	9896.5	9834.2	9769.7	10522.1	10176.0
52.5°	9969.6	10104.0	10942.4	11690.5	11832.4	11283.1	10751.0	10710.2	10745.7	11593.7	10791.9
55°	8801.2	8951.7	10468.3	11658.2	12046.3	11785.1	11605.6	11603.4	11787.2	12718.1	11452.9
57.5°	8146.6	8253.0	9503.1	11603.4	12300.0	12283.8	12451.5	12471.9	12829.9	13942.4	12145.2
60°	7776.8	7888.6	9014.0	11400.3	12693.4	12928.8	13314.6	13355.5	13889.7	15297.8	12978.2
62.5°	7440.4	7562.9	8710.9	10986.4	13156.6	13851.0	14348.7	14385.2	15011.9	16690.9	13783.3
65°	6865.3	7004.0	8267.0	10714.5	13578.0	15053.8	15663.3	15688.0	16300.7	18150.6	14399.2
67.5°	6052.7	6179.5	7429.6	10113.6	13889.7	16514.6	17411.0	17425.0	17578.7	19181.4	14714.2
70°	5103.6	5151.9	6236.5	8873.2	13521.0	17880.8	19326.5	19329.7	18743.9	19841.4	14662.6
72.5°	3585.8	3699.8	4527.4	6717.0	11619.5	17714.2	20320.8	20357.3	19285.7	19508.2	13490.9
75°	2199.2	2319.6	2839.9	4070.6	7371.6	13931.6	18775.1	19028.8	18269.9	17393.8	11020.8
77.5°	1470.4	1515.6	1853.1	2373.4	3339.7	8015.4	14434.7	14911.9	15177.4	12684.8	7048.0
80°	820.1	906.1	1228.6	1474.7	1485.5	3184.9	8655.0	8766.8	8444.3	5050.9	2174.5
82.5°	434.3	481.6	820.1	866.4	810.5	1066.3	3225.7	3229.0	2698.0	1354.4	646.0
85°	336.4	376.2	562.2	528.8	413.8	473.0	1064.1	1122.2	918.0	554.6	210.7
87.5°	167.7	208.5	381.6	335.4	162.3	135.4	380.5	406.3	362.2	217.1	76.3
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°	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1	5613.1
2.5°	5627.0	5636.7	5648.5	5635.6	5631.3	5614.1	5585.1	5578.7	5563.6	5564.7	5573.3
5°	5676.5	5692.6	5686.2	5636.7	5577.6	5494.8	5408.8	5335.7	5287.4	5284.2	5280.9
7.5°	5771.1	5781.8	5731.3	5590.5	5425.0	5233.6	5053.1	4895.0	4799.4	4775.7	4770.4
10°	5919.4	5917.3	5778.6	5494.8	5164.8	4823.0	4532.8	4313.5	4185.6	4148.0	4138.3
12.5°	6084.9	6060.2	5794.7	5320.7	4797.2	4323.2	3955.6	3711.6	3578.3	3535.3	3524.6
15°	6255.9	6194.6	5755.0	5060.6	4345.8	3784.7	3398.8	3173.1	3101.1	3077.4	3073.1
17.5°	6414.9	6296.7	5641.0	4708.0	3830.9	3248.3	2947.3	2857.1	2874.3	2905.4	2906.5
20°	6570.8	6365.5	5458.3	4263.0	3288.1	2806.5	2704.4	2771.1	2852.8	2916.2	2924.8
22.5°	6724.5	6413.9	5222.9	3749.2	2802.2	2558.2	2630.3	2751.7	2845.2	2914.0	2925.8
25°	6853.5	6425.7	4898.3	3201.0	2464.7	2464.7	2594.8	2709.8	2802.2	2870.0	2881.8
27.5°	6900.8	6346.1	4440.4	2693.7	2294.9	2421.7	2545.3	2641.0	2719.5	2791.5	2804.4
30°	6919.1	6198.9	3911.5	2286.3	2225.0	2375.5	2478.7	2560.4	2634.6	2702.3	2714.1
32.5°	6922.3	6021.5	3350.4	2055.2	2176.6	2327.1	2395.9	2467.9	2547.5	2574.4	2578.7
35°	6942.7	5811.9	2759.2	1936.9	2131.5	2282.0	2336.8	2388.4	2259.4	2269.1	2277.7
37.5°	7001.8	5604.5	2264.8	1870.3	2102.5	2258.3	2323.9	2136.9	2035.8	2012.2	2009.0
40°	7112.5	5383.0	1898.3	1816.6	2091.7	2270.2	2241.1	1995.0	1820.9	1690.8	1671.5
42.5°	7266.2	5144.4	1663.9	1781.1	2099.3	2327.1	2126.1	1858.5	1569.3	1485.5	1474.7
45°	7439.3	4894.0	1537.1	1756.4	2125.1	2371.2	2102.5	1676.8	1452.2	1388.8	1383.4
47.5°	7607.0	4587.6	1471.5	1745.6	2160.5	2335.7	2002.5	1620.9	1396.3	1363.0	1366.2
50°	7799.4	4311.4	1431.8	1733.8	2191.7	2313.2	1889.7	1591.9	1374.8	1415.6	1458.6
52.5°	7961.7	4025.5	1396.3	1710.1	2203.5	2273.4	1860.6	1597.3	1374.8	1453.2	1494.1
55°	8154.1	3809.4	1355.4	1660.7	2180.9	2160.5	1840.2	1629.5	1390.9	1341.5	1345.8
57.5°	8402.4	3738.5	1310.3	1583.3	2105.7	1996.1	1830.5	1660.7	1381.2	1350.1	1360.8
60°	8746.4	3813.7	1292.0	1482.3	1988.5	1867.1	1831.6	1644.6	1313.5	1259.8	1260.8
62.5°	9074.2	3897.5	1290.9	1418.9	1844.5	1752.1	1806.9	1591.9	1279.1	1247.9	1259.8
65°	9181.7	3812.6	1239.3	1347.9	1682.2	1614.5	1761.7	1536.0	1253.3	1206.0	1203.9
67.5°	9037.7	3549.3	1135.1	1232.9	1496.2	1454.3	1702.6	1469.4	1212.5	1173.8	1167.3
70°	8609.9	2961.3	1006.1	1081.3	1284.5	1273.7	1609.1	1392.0	1157.7	1124.3	1096.4
72.5°	7458.7	2110.0	848.1	899.7	1045.9	1080.3	1480.1	1290.9	1080.3	1008.2	965.3
75°	6125.8	1561.8	696.5	707.3	794.3	887.9	1302.8	1172.7	988.9	866.4	833.0
77.5°	3751.4	955.6	554.6	558.9	569.7	708.4	1072.7	1040.5	872.8	722.3	698.7
80°	1214.6	521.3	400.9	421.4	389.1	519.2	829.8	885.7	749.2	604.1	578.3
82.5°	462.2	304.2	270.9	284.8	269.8	348.3	605.2	709.4	613.8	496.6	404.2
85°	223.6	172.0	160.2	179.5	166.6	178.4	387.0	522.4	465.4	323.5	301.0
87.5°	79.5	76.3	61.3	82.8	70.9	63.4	118.2	263.3	307.4	222.5	198.9
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)