

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: P319010

Luminaire Tested: **GAN-SA6C-730-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-730-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38257 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

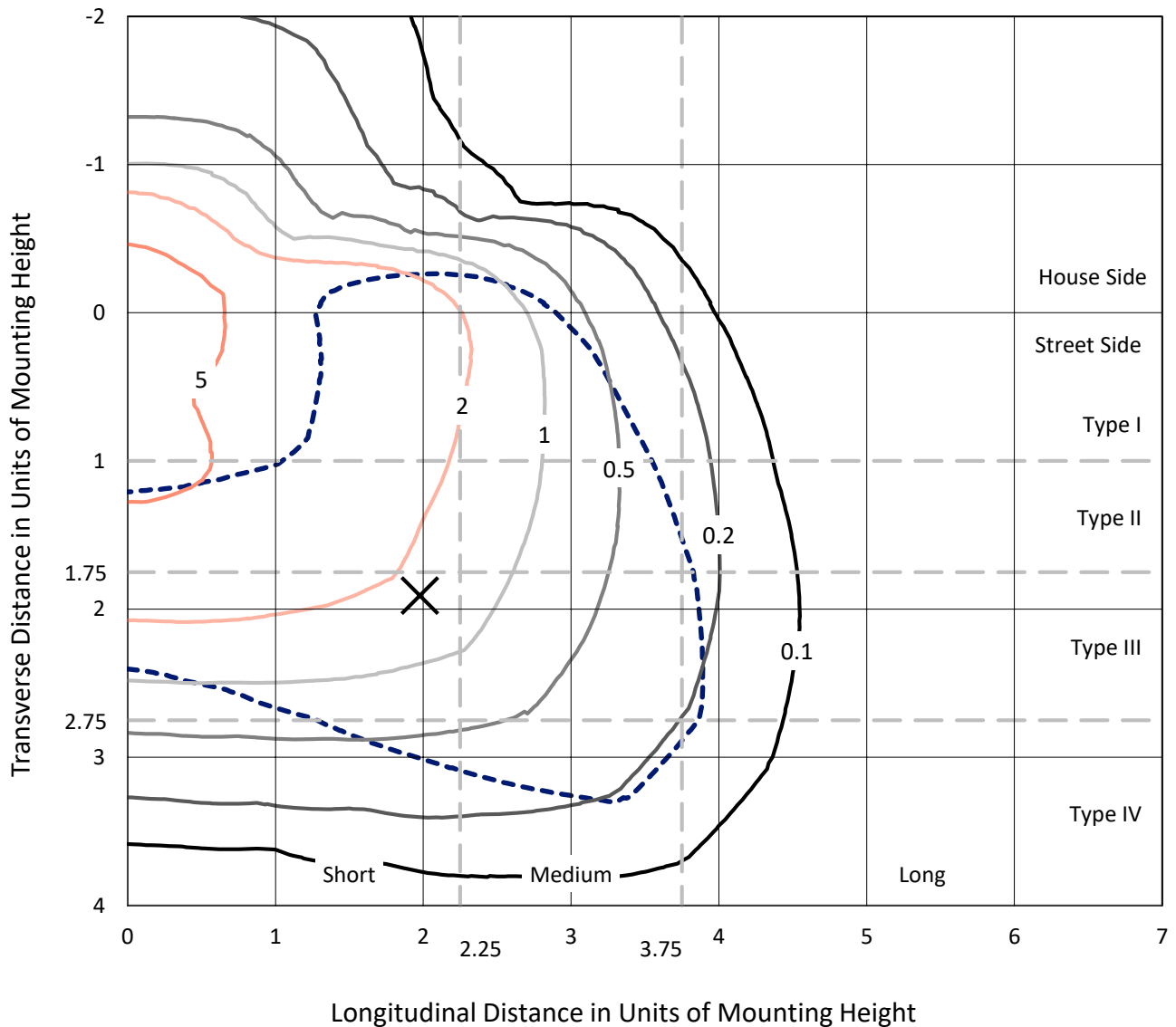
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

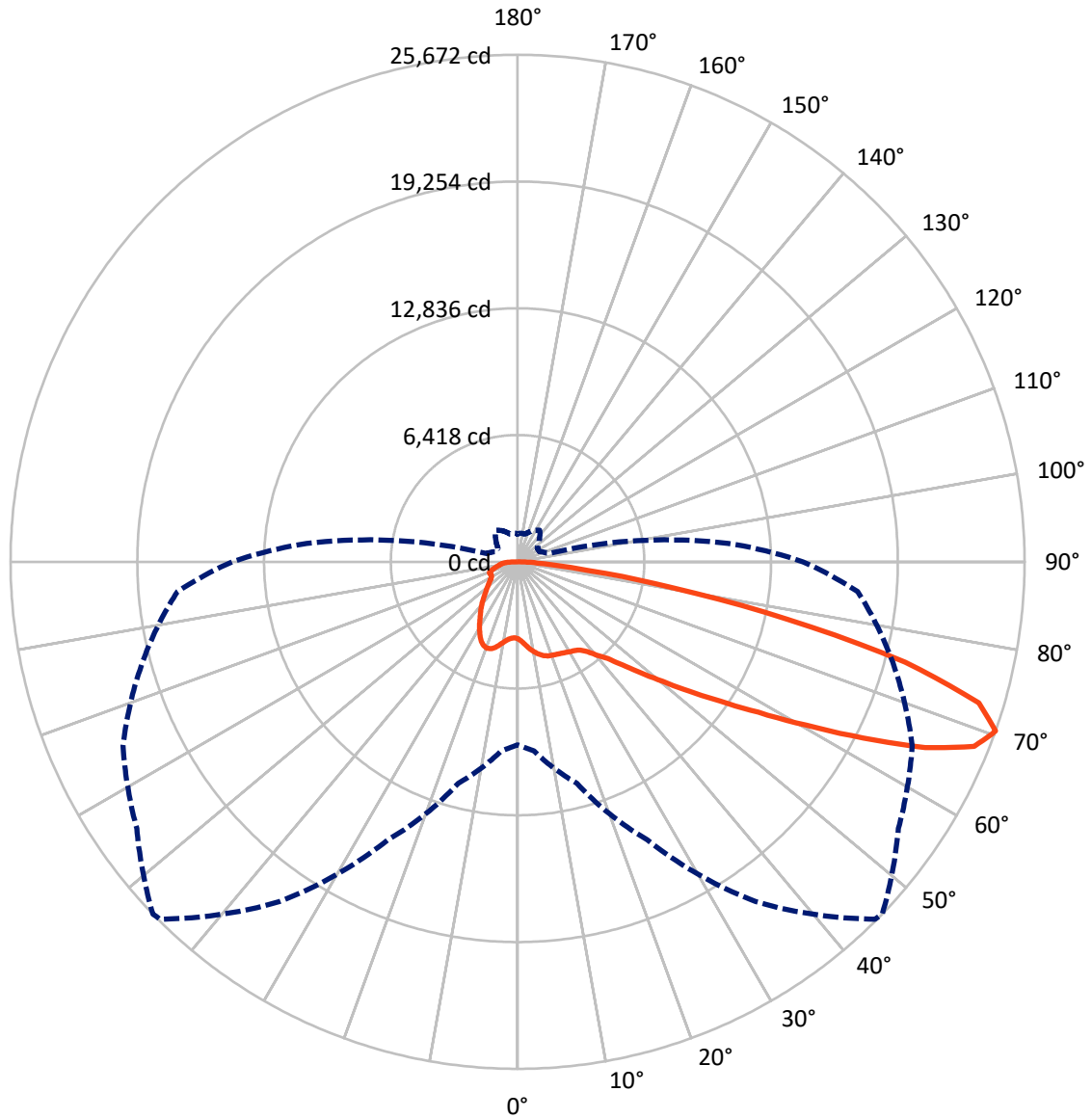
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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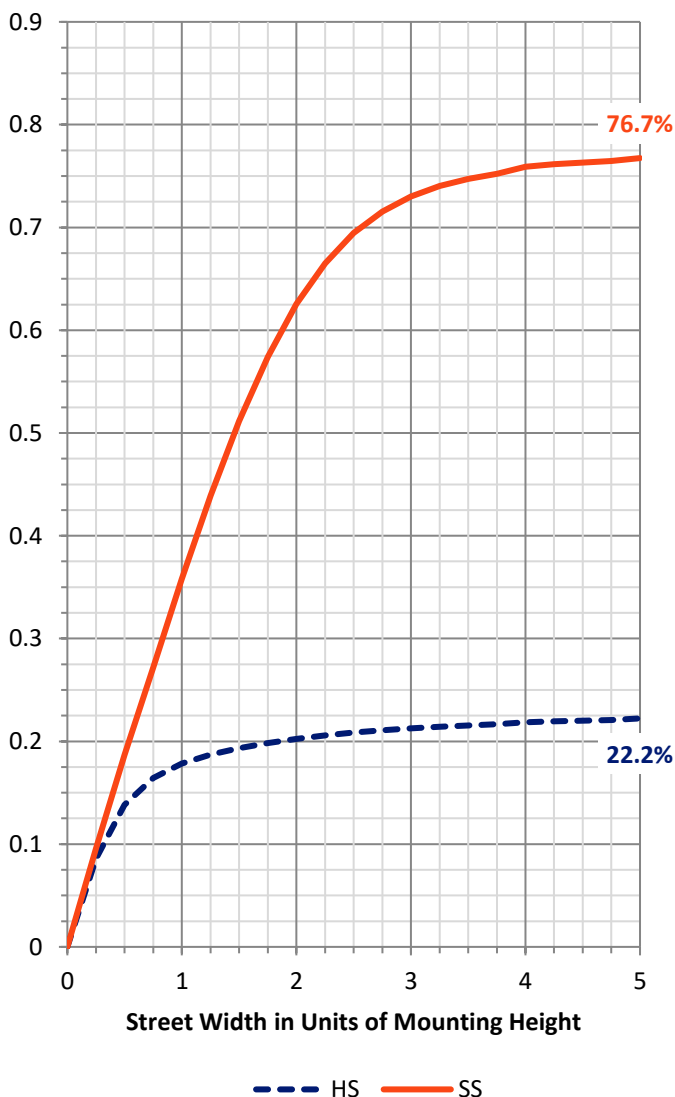
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8768.4	0.0	8768.4
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	29488.6	0.0	29488.6
	% Fixture	77.1	0.0	77.1
Total	Lumens	38257.0	0.0	38257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.3	1.0
10°-20°	1323.8	3.5
20°-30°	2207.3	5.8
30°-40°	3132.3	8.2
40°-50°	4607.4	12.0
50°-60°	7802.6	20.4
60°-70°	11075.7	29.0
70°-80°	6728.6	17.6
80°-90°	982.0	2.6
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°	38257.0	100.0
0°-180°	38257.0	100.0

Coefficient of Utilization

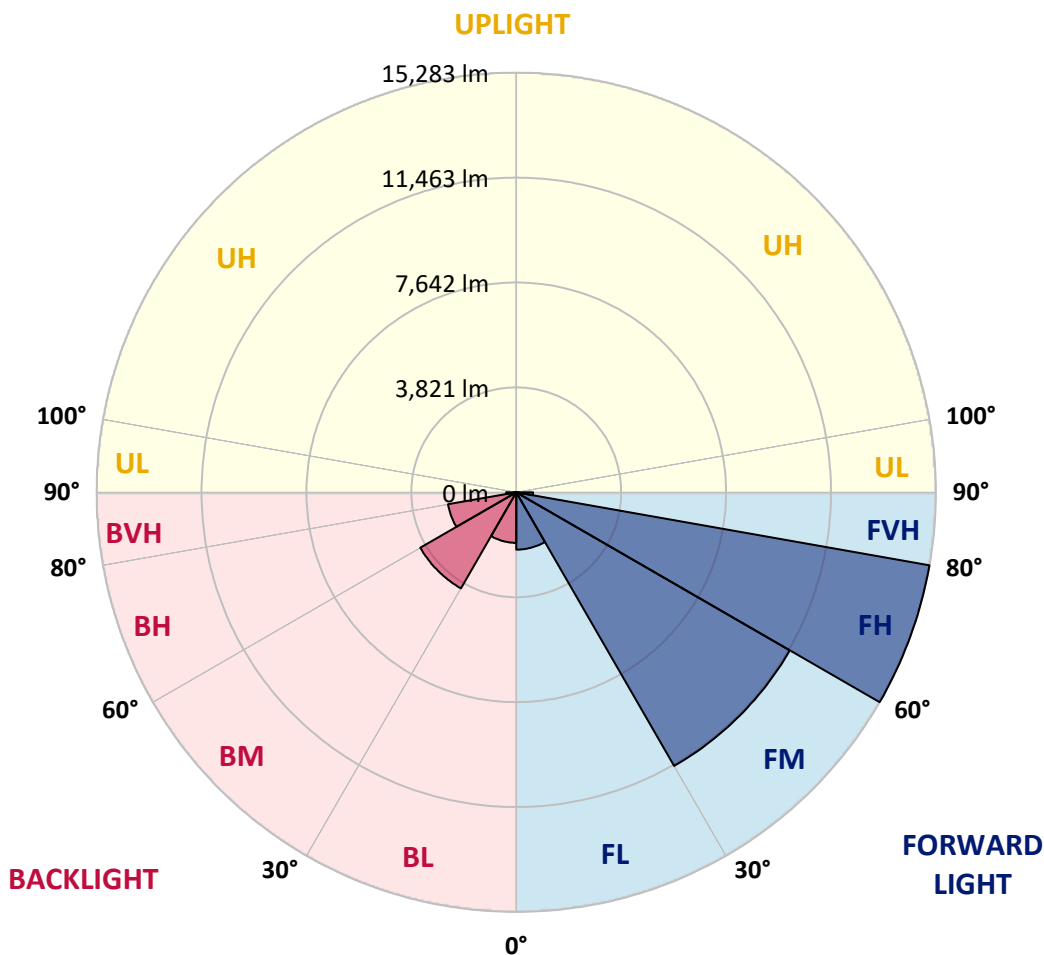


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2087.5	5.5			
FM (30°-60°)	11506.0	30.1			
FH (60°-80°)	15283.5	39.9			G5
FVH (80°-90°)	611.7	1.6			G4/750
BL (0°-30°)	1841.0	4.8	B3/2500		
BM (30°-60°)	4036.3	10.6	B3/5000		
BH (60°-80°)	2520.8	6.6	B4/5000		G4/5000
BVH (80°-90°)	370.3	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6
2.5°	4092.7	4095.3	4100.6	4087.5	4050.8	4040.3	4036.4	3998.5	3973.6	3936.9	3905.5
5°	4420.0	4422.6	4414.8	4378.1	4297.0	4236.7	4231.5	4145.1	4066.5	3982.7	3919.9
7.5°	4761.7	4765.7	4740.8	4671.4	4557.5	4452.8	4446.2	4328.4	4209.2	4082.2	3988.0
10°	5064.2	5048.5	5007.9	4911.0	4776.1	4647.8	4642.6	4519.5	4382.1	4228.9	4103.2
12.5°	5265.8	5252.7	5200.3	5082.5	4934.6	4816.7	4806.3	4692.4	4558.8	4391.2	4240.7
15°	5377.1	5386.3	5315.6	5182.0	5038.0	4938.5	4929.3	4848.2	4729.0	4560.1	4387.3
17.5°	5391.5	5399.4	5331.3	5199.0	5081.2	5013.1	5009.2	4955.5	4869.1	4706.8	4526.1
20°	5307.7	5312.9	5256.6	5148.0	5070.7	5049.8	5048.5	5024.9	4960.8	4816.7	4641.3
22.5°	5185.9	5189.9	5149.3	5070.7	5044.5	5077.3	5086.4	5077.3	5031.5	4896.6	4731.6
25°	5155.8	5153.2	5111.3	5031.5	5053.7	5123.1	5134.9	5138.8	5107.4	4989.6	4846.8
27.5°	5301.2	5292.0	5212.1	5083.8	5098.2	5182.0	5197.7	5235.7	5216.1	5112.6	4977.8
30°	5721.4	5705.7	5542.1	5282.8	5212.1	5255.3	5275.0	5335.2	5339.1	5252.7	5151.9
32.5°	6431.0	6411.4	6118.1	5654.7	5404.6	5330.0	5348.3	5438.6	5487.1	5420.3	5311.6
35°	7327.9	7305.6	6920.7	6287.0	5726.7	5472.7	5485.8	5557.8	5654.7	5560.4	5416.4
37.5°	8262.7	8209.0	7838.5	7030.7	6238.6	5777.7	5777.7	5786.9	5832.7	5636.3	5539.4
40°	9192.2	9138.6	8803.4	7905.3	6901.1	6258.2	6228.1	6025.2	5988.5	5819.6	5786.9
42.5°	10056.4	10040.6	9842.9	8893.7	7678.8	6730.9	6689.0	6344.6	6352.5	6247.7	6249.1
45°	10975.4	10975.4	10814.4	9891.4	8584.8	7490.2	7448.3	6941.6	7020.2	6971.8	7088.3
47.5°	11725.6	11749.2	11727.0	10930.9	9638.7	8455.1	8379.2	7769.1	7989.0	8155.3	8494.4
50°	12491.6	12528.2	12532.1	12071.3	10912.6	9602.0	9515.6	8867.6	9358.5	9835.1	10501.5
52.5°	13603.1	13685.6	13357.0	13209.0	12473.2	10963.7	10878.6	10280.2	11099.8	11768.9	12917.1
55°	14633.5	14561.5	14327.1	14418.8	14143.8	12513.8	12449.7	11924.7	13040.1	13909.5	15400.7
57.5°	15191.2	15186.0	15421.7	15814.4	15945.4	14425.3	14371.6	13861.0	15227.9	15881.2	17732.5
60°	15845.9	15855.0	16439.0	17330.6	17870.0	16805.5	16782.0	16394.4	17352.8	17722.0	19561.5
62.5°	15937.5	16102.5	17108.0	18642.4	19671.5	19586.4	19638.8	18676.5	19253.8	19191.0	20927.1
65°	14883.6	15100.9	16920.8	19039.1	21462.5	22627.8	22676.2	20971.6	20752.9	20446.6	21415.4
67.5°	12723.3	13045.4	15022.3	18176.3	22053.0	24875.8	24943.8	22750.9	21996.7	20872.1	20239.7
70°	9259.0	9616.4	11606.5	15523.8	21000.4	25594.5	25671.8	23537.7	22043.9	19661.0	17278.2
72.5°	5593.1	5873.3	7513.8	11428.4	17724.6	24285.3	24422.8	22540.1	20125.8	16653.7	12758.6
75°	2456.2	2639.4	3633.2	6585.5	12689.3	20093.1	20264.6	19293.1	16352.5	12102.7	7541.3
77.5°	1046.1	1098.5	1489.9	2860.7	7173.4	13730.1	13965.8	14096.7	11094.6	6585.5	3186.7
80°	652.0	673.0	843.2	1294.8	3356.9	7711.5	7965.5	8294.1	5509.3	2420.8	1112.9
82.5°	396.7	420.3	560.4	782.9	1747.8	3495.7	3617.5	3849.2	2138.0	1046.1	576.1
85°	238.3	255.3	343.0	494.9	995.0	1374.7	1373.4	1518.7	1006.8	673.0	303.7
87.5°	113.9	127.0	183.3	256.6	501.4	515.8	483.1	547.3	611.4	441.2	153.2
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°	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6	3897.6
2.5°	3895.0	3889.8	3872.8	3859.7	3857.1	3849.2	3842.7	3846.6	3851.8	3853.1	3853.1
5°	3893.7	3879.3	3857.1	3847.9	3859.7	3875.4	3895.0	3921.2	3936.9	3948.7	3956.6
7.5°	3956.6	3929.1	3904.2	3898.9	3922.5	3964.4	4008.9	4063.9	4101.9	4128.1	4133.3
10°	4061.3	4027.3	4002.4	4007.6	4049.5	4109.7	4172.6	4243.3	4300.9	4336.2	4338.9
12.5°	4181.7	4149.0	4125.4	4147.7	4217.1	4290.4	4355.9	4417.4	4469.8	4505.1	4505.1
15°	4320.5	4297.0	4269.5	4320.5	4414.8	4480.3	4507.8	4537.9	4566.7	4592.9	4587.6
17.5°	4454.1	4431.8	4417.4	4477.6	4575.8	4605.9	4587.6	4565.4	4565.4	4579.8	4582.4
20°	4569.3	4549.6	4558.8	4617.7	4668.8	4637.4	4569.3	4498.6	4469.8	4477.6	4485.5
22.5°	4670.1	4660.9	4688.4	4715.9	4679.3	4569.3	4443.6	4348.0	4312.7	4310.1	4312.7
25°	4787.9	4786.6	4820.7	4770.9	4608.6	4405.6	4236.7	4143.8	4124.1	4139.9	4166.0
27.5°	4934.6	4949.0	4966.0	4784.0	4464.5	4158.2	3986.7	3922.5	3942.2	3980.1	4005.0
30°	5121.8	5161.1	5124.4	4751.3	4257.7	3875.4	3711.7	3693.4	3747.1	3800.8	3826.9
32.5°	5303.8	5365.3	5276.3	4666.2	3990.6	3575.6	3448.6	3443.3	3508.8	3561.2	3597.8
35°	5450.4	5572.2	5390.2	4497.3	3681.6	3299.3	3206.4	3171.0	3194.6	3256.1	3298.0
37.5°	5641.6	5844.5	5468.7	4239.4	3346.4	3071.5	2962.8	2881.7	2860.7	2885.6	2906.5
40°	5991.1	6259.5	5505.4	3879.3	3019.1	2843.7	2733.7	2614.6	2532.1	2471.9	2473.2
42.5°	6562.0	6800.2	5481.8	3442.0	2716.7	2621.1	2496.7	2359.3	2225.7	2089.6	2079.1
45°	7488.9	7604.1	5411.1	2978.5	2450.9	2388.1	2271.6	2134.1	1956.0	1801.5	1787.1
47.5°	8972.3	8717.0	5301.2	2574.0	2216.6	2190.4	2083.0	1924.6	1736.1	1611.7	1601.2
50°	10995.1	10323.4	5247.5	2251.9	2009.7	2017.6	1929.8	1762.3	1584.2	1492.5	1482.1
52.5°	13414.6	12194.4	5350.9	2003.2	1843.4	1870.9	1805.5	1648.3	1499.1	1427.1	1416.6
55°	15924.4	14132.1	5462.2	1822.5	1686.3	1740.0	1717.7	1588.1	1453.3	1386.5	1377.3
57.5°	18072.9	15578.8	5239.6	1675.8	1546.2	1630.0	1649.7	1550.2	1429.7	1369.5	1359.0
60°	19425.4	16161.4	4655.7	1538.4	1434.9	1542.3	1610.4	1539.7	1438.9	1433.6	1425.8
62.5°	20066.9	16110.3	3779.8	1429.7	1365.5	1504.3	1639.2	1598.6	1543.6	1590.7	1594.7
65°	19778.9	15340.5	2814.9	1357.7	1315.8	1518.7	1725.6	1709.9	1573.7	1620.9	1627.4
67.5°	17883.1	13503.6	2084.3	1294.8	1260.8	1559.3	1882.7	1746.5	1514.8	1548.8	1527.9
70°	14454.1	10705.7	1607.8	1224.1	1204.5	1554.1	1953.4	1724.3	1450.6	1458.5	1402.2
72.5°	9967.3	7300.4	1307.9	1158.7	1123.3	1416.6	1903.7	1669.3	1397.0	1336.7	1262.1
75°	5420.3	3918.6	1111.6	1090.6	980.6	1243.8	1812.0	1630.0	1348.5	1268.7	1226.8
77.5°	2132.8	1626.1	964.9	997.6	857.6	1098.5	1709.9	1555.4	1281.8	1177.0	1156.1
80°	870.7	830.1	800.0	862.8	737.1	961.0	1586.8	1467.7	1201.9	1091.9	1050.0
82.5°	493.6	515.8	621.9	680.8	598.3	885.1	1527.9	1397.0	1106.3	978.0	928.3
85°	252.7	302.4	433.4	488.4	439.9	752.8	1407.4	1222.8	887.7	748.9	752.8
87.5°	121.8	168.9	273.6	306.4	285.4	544.6	1051.3	886.4	691.3	547.3	530.2
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)