

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: P317731

Luminaire Tested: **GAN-SA7C-730-U-T3R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317731  
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-SA7C-730-U-T3R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 46584 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

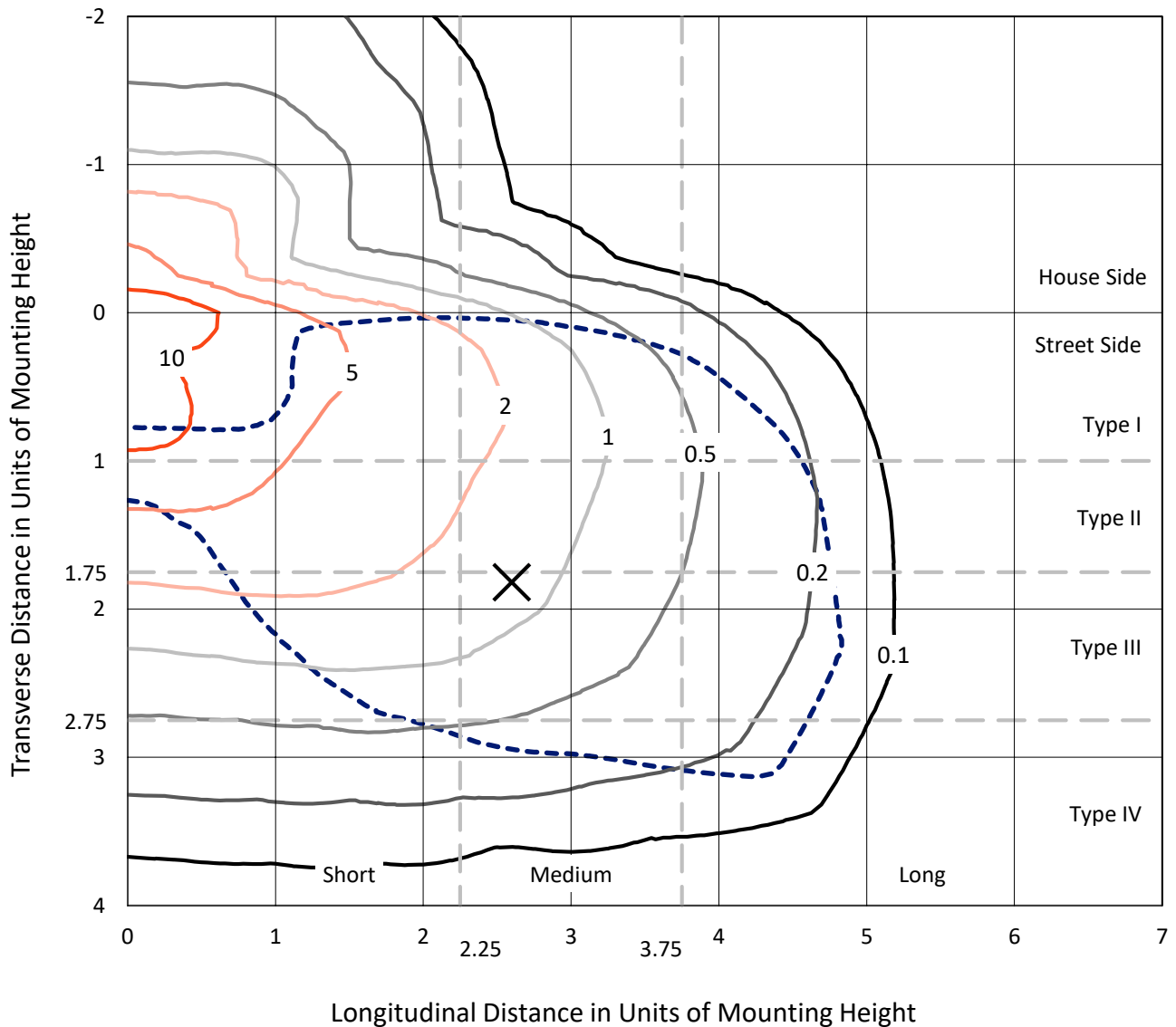
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P317731  
 CATALOG NUMBER: GAN-SA7C-730-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

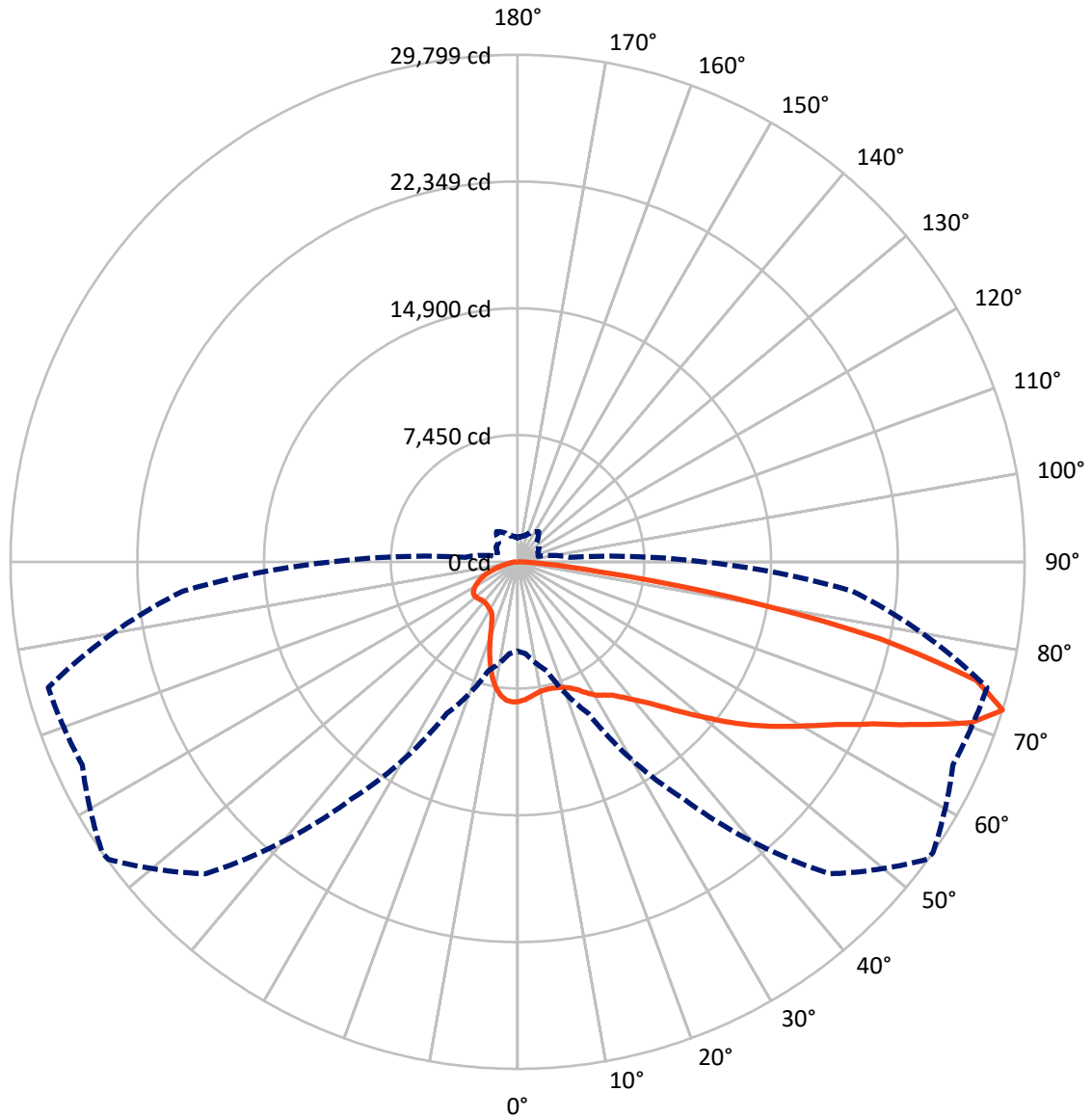
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P317731  
CATALOG NUMBER: GAN-SA7C-730-U-T3R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P317731  
 CATALOG NUMBER: GAN-SA7C-730-U-T3R

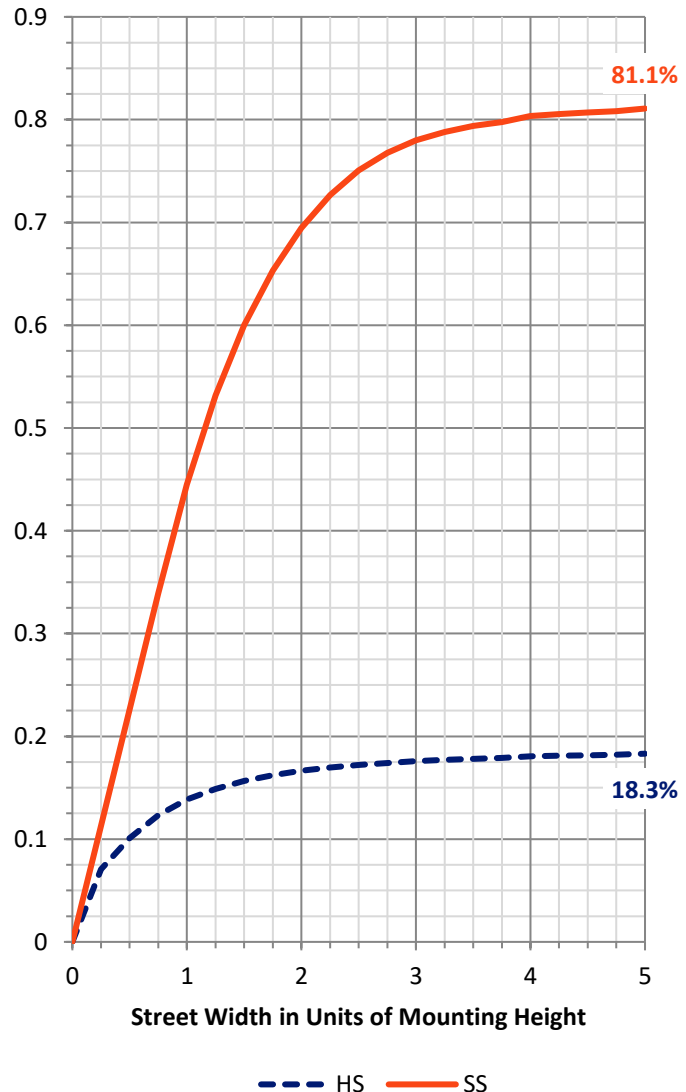
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8658.4	0.0	8658.4
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	37925.6	0.0	37925.6
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	46584.0	0.0	46584.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	743.5	1.6
10°-20°	1979.4	4.2
20°-30°	3263.6	7.0
30°-40°	4827.7	10.4
40°-50°	6738.4	14.5
50°-60°	8773.7	18.8
60°-70°	10782.6	23.1
70°-80°	8452.2	18.1
80°-90°	1022.8	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°	46584.0	100.0
0°-180°	46584.0	100.0

**Coefficient of Utilization**

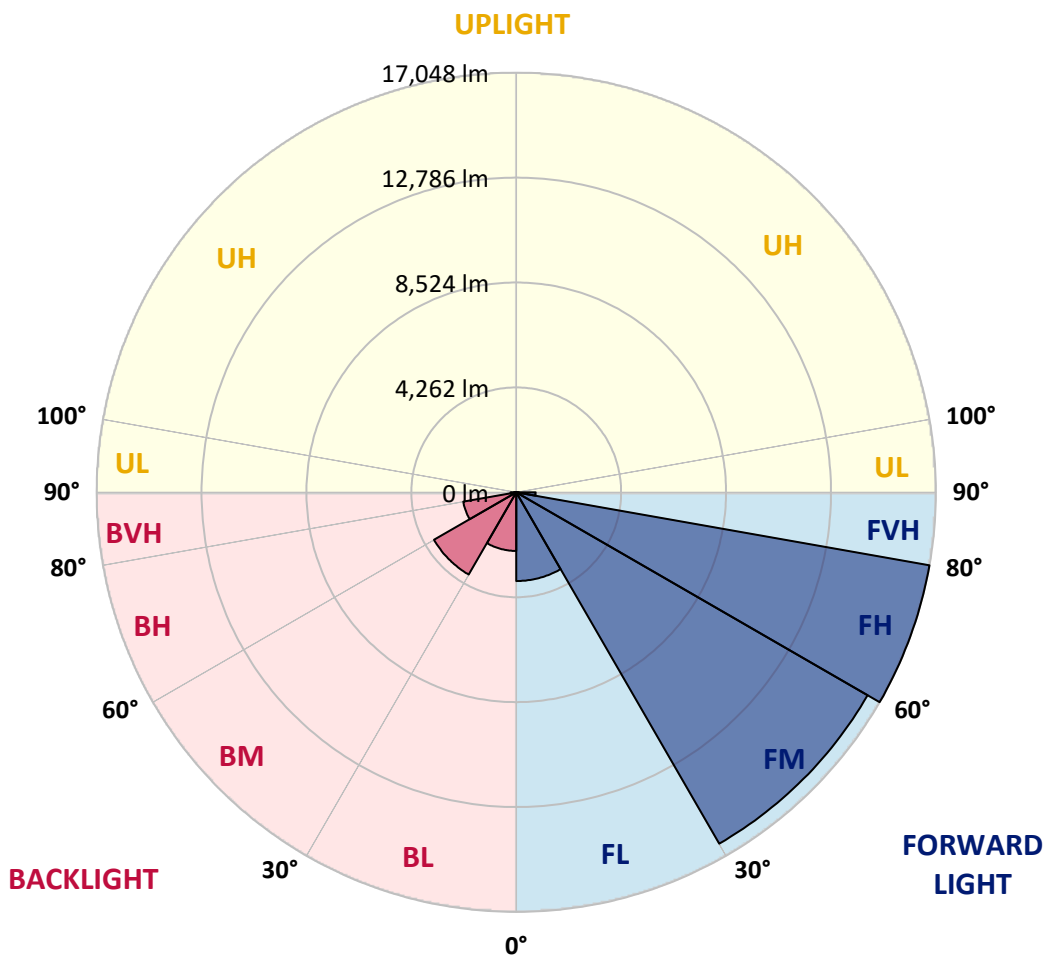


REPORT NUMBER: P317731  
 CATALOG NUMBER: GAN-SA7C-730-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3604.2	7.7			
FM (30°-60°)	16482.3	35.4			
FH (60°-80°)	17048.2	36.6			G5
FVH (80°-90°)	790.8	1.7			G5
BL (0°-30°)	2382.3	5.1	B3/2500		
BM (30°-60°)	3857.5	8.3	B3/5000		
BH (60°-80°)	2186.6	4.7	B3/2500		G3/2500
BVH (80°-90°)	232.0	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Medium





REPORT NUMBER: P317731

CATALOG NUMBER: GAN-SA7C-730-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4
2.5°	7948.9	7930.1	7953.7	7986.7	8022.9	8071.7	8100.0	8112.6	8161.3	8180.2	8221.1
5°	7580.8	7571.3	7610.6	7667.3	7747.5	7860.8	7952.1	7969.4	8098.4	8189.7	8273.1
7.5°	7313.3	7313.3	7358.9	7426.6	7516.2	7668.9	7797.9	7821.5	8040.2	8236.9	8391.1
10°	7100.9	7108.7	7162.2	7242.5	7347.9	7509.9	7681.5	7708.2	8024.5	8347.0	8592.5
12.5°	6959.3	6978.1	7026.9	7099.3	7229.9	7426.6	7643.7	7679.9	8057.5	8504.4	8834.8
15°	7048.9	7080.4	7085.1	7115.0	7187.4	7401.4	7665.7	7703.5	8128.3	8664.8	9110.1
17.5°	7442.3	7453.3	7404.5	7341.6	7307.0	7443.9	7731.8	7771.1	8213.3	8823.8	9374.5
20°	8040.2	8033.9	7928.5	7758.5	7582.3	7604.4	7840.4	7881.3	8328.1	8963.8	9638.8
22.5°	8795.4	8773.4	8611.3	8298.2	7997.7	7871.8	8030.8	8065.4	8501.2	9163.6	9922.0
25°	9711.2	9662.4	9448.4	9028.3	8586.2	8262.0	8317.1	8350.2	8753.0	9387.0	10181.6
27.5°	10677.2	10628.5	10356.3	9848.1	9259.6	8754.5	8712.0	8740.4	9039.3	9552.3	10373.6
30°	11687.4	11635.5	11386.9	10817.3	9973.9	9264.3	9080.2	9091.2	9240.7	9641.9	10530.9
32.5°	12702.2	12653.5	12375.0	11714.1	10749.6	9811.9	9346.1	9332.0	9361.9	9734.8	10708.7
35°	13731.3	13750.1	13424.4	12692.8	11608.7	10420.8	9660.8	9630.9	9564.8	9925.2	10960.5
37.5°	14832.7	14820.1	14398.4	13633.7	12507.1	11081.6	10112.4	10107.7	9879.5	10285.5	11355.4
40°	15569.0	15576.9	15320.4	14596.6	13415.0	11813.3	10691.4	10680.4	10381.4	10825.2	11873.1
42.5°	15857.0	15908.9	15975.0	15515.5	14365.4	12661.3	11382.1	11366.4	11081.6	11599.3	12482.0
45°	15877.4	15981.3	16390.3	16332.1	15328.3	13632.1	12264.8	12220.8	12016.2	12628.3	13208.9
47.5°	15701.2	15808.2	16487.9	16818.3	16189.0	14656.4	13297.0	13262.4	13086.2	13915.4	13995.6
50°	15315.7	15418.0	16286.5	17055.9	16897.0	15641.4	14486.5	14395.2	14300.8	15402.2	14895.6
52.5°	14593.5	14790.2	16017.4	17112.5	17320.2	16516.2	15737.4	15677.6	15729.5	16970.9	15797.2
55°	12883.2	13103.5	15323.6	17065.3	17633.4	17251.0	16988.2	16985.1	17254.2	18616.7	16764.8
57.5°	11925.0	12080.7	13910.6	16985.1	18004.7	17981.1	18226.5	18256.4	18780.4	20408.9	17778.1
60°	11383.7	11547.4	13194.7	16687.7	18580.6	18925.1	19490.0	19549.8	20331.8	22393.0	18997.5
62.5°	10891.2	11070.6	12751.0	16082.0	19258.7	20275.1	21003.6	21057.1	21974.4	24432.1	20176.0
65°	10049.5	10252.4	12101.2	15683.9	19875.5	22035.8	22927.9	22964.1	23861.0	26568.8	21077.6
67.5°	8859.9	9045.6	10875.5	14804.3	20331.8	24174.1	25486.3	25506.8	25731.8	28077.7	21538.6
70°	7470.6	7541.4	9129.0	12988.6	19792.1	26173.9	28290.1	28294.9	27437.4	29043.8	21463.1
72.5°	5248.9	5415.7	6627.3	9832.3	17008.7	25930.0	29745.6	29799.1	28230.4	28556.1	19748.0
75°	3219.2	3395.4	4157.0	5958.6	10790.5	20393.1	27483.0	27854.3	26743.5	25461.1	16132.3
77.5°	2152.4	2218.5	2712.6	3474.1	4888.6	11733.0	21129.5	21828.1	22216.7	18568.0	10316.9
80°	1200.5	1326.4	1798.4	2158.7	2174.5	4662.1	12669.2	12832.8	12360.8	7393.5	3183.0
82.5°	635.7	704.9	1200.5	1268.2	1186.4	1560.8	4721.8	4726.6	3949.3	1982.5	945.6
85°	492.5	550.7	822.9	774.1	605.8	692.3	1557.7	1642.7	1343.7	811.9	308.4
87.5°	245.5	305.2	558.6	490.9	237.6	198.3	557.0	594.8	530.2	317.8	111.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P317731  
 CATALOG NUMBER: GAN-SA7C-730-U-T3R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4	8216.4
2.5°	8236.9	8251.0	8268.3	8249.5	8243.2	8218.0	8175.5	8166.1	8144.0	8145.6	8158.2
5°	8309.2	8332.8	8323.4	8251.0	8164.5	8043.3	7917.5	7810.5	7739.7	7734.9	7730.2
7.5°	8447.7	8463.4	8389.5	8183.4	7941.1	7661.0	7396.7	7165.4	7025.3	6990.7	6982.9
10°	8664.8	8661.7	8458.7	8043.3	7560.3	7059.9	6635.1	6314.1	6126.9	6071.8	6057.7
12.5°	8907.1	8871.0	8482.3	7788.4	7022.2	6328.3	5790.2	5433.0	5237.9	5175.0	5159.3
15°	9157.3	9067.6	8424.1	7407.7	6361.3	5540.0	4975.2	4644.7	4539.3	4504.7	4498.4
17.5°	9390.2	9217.1	8257.3	6891.6	5607.7	4754.9	4314.3	4182.2	4207.3	4253.0	4254.5
20°	9618.3	9317.8	7989.8	6240.2	4813.1	4108.2	3958.7	4056.3	4175.9	4268.7	4281.3
22.5°	9843.3	9388.6	7645.3	5488.1	4101.9	3744.7	3850.2	4028.0	4164.9	4265.5	4282.9
25°	10032.1	9405.9	7170.1	4685.7	3607.9	3607.9	3798.2	3966.6	4101.9	4201.0	4218.3
27.5°	10101.4	9289.5	6499.8	3943.0	3359.3	3544.9	3725.9	3865.9	3980.8	4086.2	4105.1
30°	10128.1	9073.9	5725.7	3346.7	3257.0	3477.3	3628.3	3747.9	3856.5	3955.6	3972.9
32.5°	10132.8	8814.3	4904.4	3008.4	3186.2	3406.5	3507.2	3612.6	3729.0	3768.3	3774.6
35°	10162.7	8507.5	4039.0	2835.3	3120.1	3340.4	3420.6	3496.1	3307.3	3321.5	3334.1
37.5°	10249.3	8203.8	3315.2	2737.8	3077.6	3305.8	3401.7	3128.0	2980.1	2945.4	2940.7
40°	10411.3	7879.7	2778.7	2659.1	3061.9	3323.1	3280.6	2920.3	2665.4	2475.0	2446.7
42.5°	10636.3	7530.4	2435.7	2607.2	3072.9	3406.5	3112.2	2720.4	2297.2	2174.5	2158.7
45°	10889.7	7163.8	2250.0	2571.0	3110.7	3471.0	3077.6	2454.5	2125.7	2032.9	2025.0
47.5°	11135.1	6715.4	2154.0	2555.2	3162.6	3419.0	2931.3	2372.7	2043.9	1995.1	1999.8
50°	11416.8	6311.0	2095.8	2537.9	3208.2	3386.0	2766.1	2330.2	2012.4	2072.2	2135.1
52.5°	11654.3	5892.5	2043.9	2503.3	3225.5	3327.8	2723.6	2338.1	2012.4	2127.3	2187.1
55°	11936.0	5576.2	1984.1	2430.9	3192.5	3162.6	2693.7	2385.3	2036.0	1963.6	1969.9
57.5°	12299.4	5472.4	1918.0	2317.7	3082.3	2921.8	2679.5	2430.9	2021.8	1976.2	1992.0
60°	12802.9	5582.5	1891.3	2169.8	2910.8	2733.0	2681.1	2407.3	1922.7	1844.1	1845.6
62.5°	13282.8	5705.2	1889.7	2076.9	2700.0	2564.7	2644.9	2330.2	1872.4	1826.7	1844.1
65°	13440.2	5580.9	1814.2	1973.1	2462.4	2363.3	2578.8	2248.4	1834.6	1765.4	1762.2
67.5°	13229.3	5195.4	1661.5	1804.7	2190.2	2128.8	2492.3	2150.9	1774.8	1718.2	1708.7
70°	12603.1	4334.8	1472.7	1582.9	1880.2	1864.5	2355.4	2037.6	1694.6	1645.8	1604.9
72.5°	10918.0	3088.6	1241.4	1317.0	1530.9	1581.3	2166.6	1889.7	1581.3	1475.9	1412.9
75°	8966.9	2286.2	1019.6	1035.3	1162.8	1299.6	1907.0	1716.6	1447.5	1268.2	1219.4
77.5°	5491.2	1398.8	811.9	818.2	833.9	1036.9	1570.3	1523.1	1277.6	1057.3	1022.7
80°	1778.0	763.1	586.9	616.8	569.6	760.0	1214.7	1296.5	1096.7	884.3	846.5
82.5°	676.6	445.3	396.5	417.0	394.9	509.8	885.8	1038.5	898.4	726.9	591.6
85°	327.3	251.7	234.4	262.8	243.9	261.2	566.4	764.7	681.3	473.6	440.6
87.5°	116.4	111.7	89.7	121.2	103.8	92.8	173.1	385.5	450.0	325.7	291.1
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)