

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: P319011

Luminaire Tested: **GAN-SA7C-730-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319011
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-SA7C-730-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 45243 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

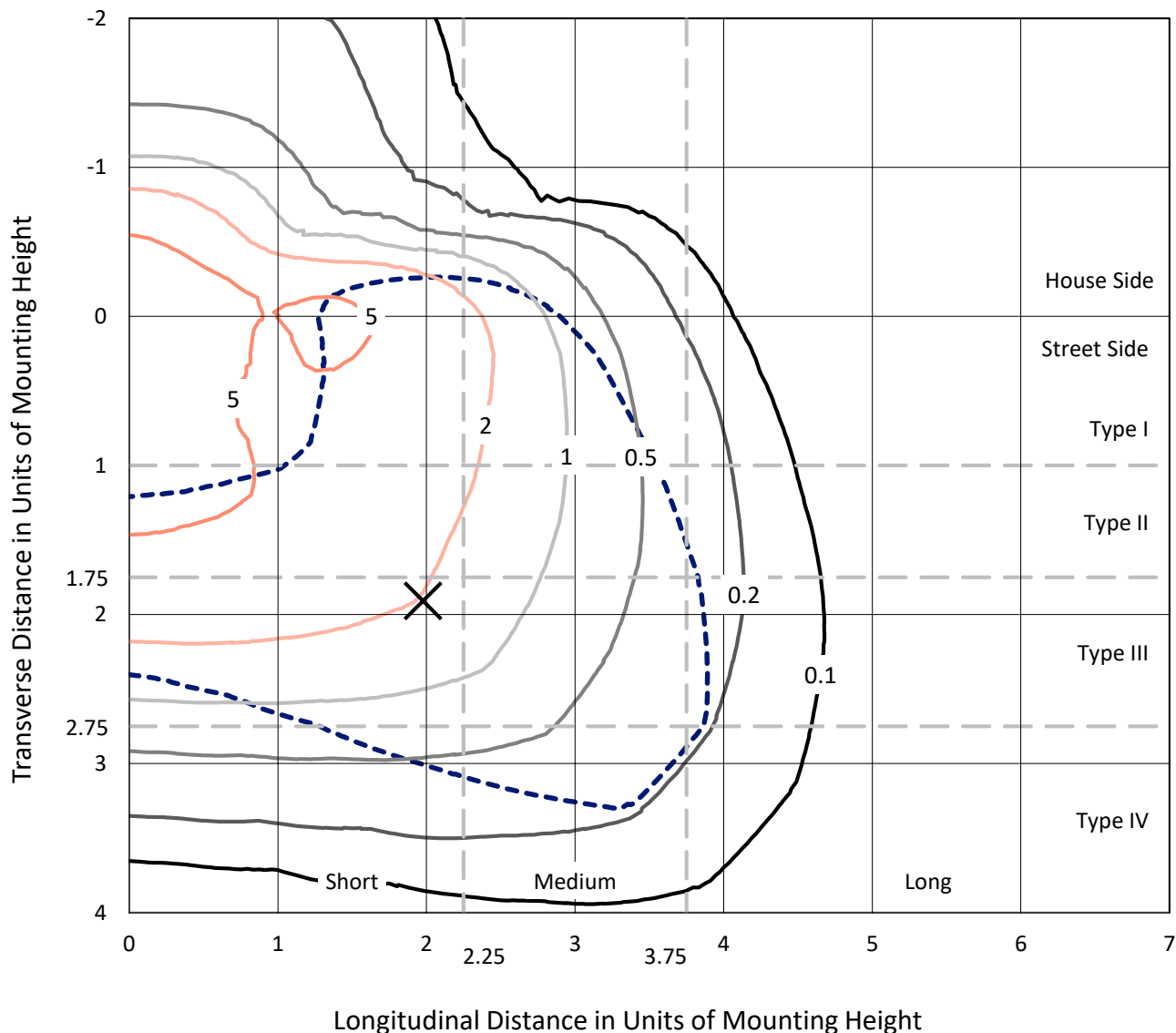
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

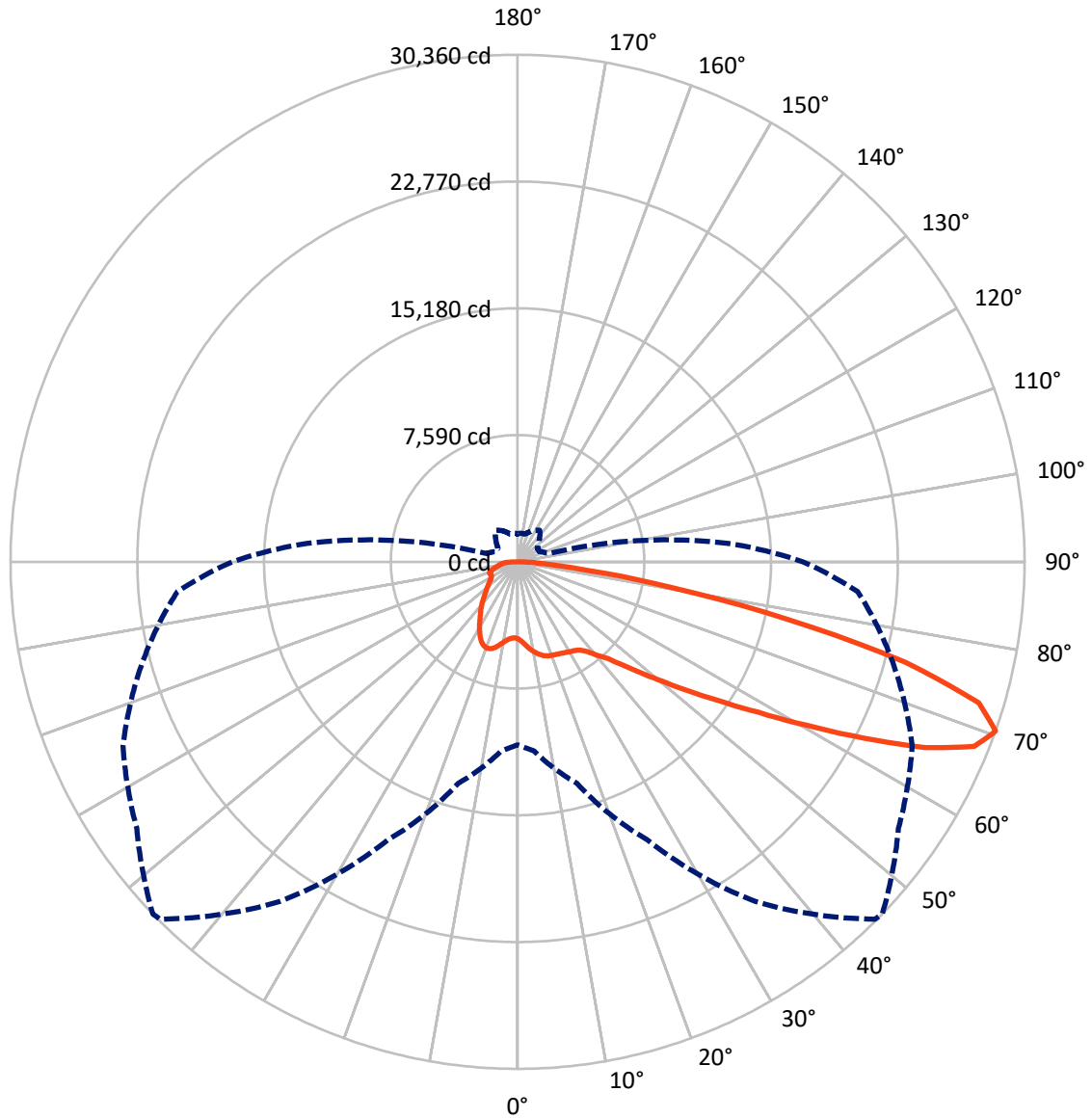
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	10369.6	0.0	10369.6
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	34873.4	0.0	34873.4
	% Fixture	77.1	0.0	77.1
Total	Lumens	45243.0	0.0	45243.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.9	1.0
10°-20°	1565.5	3.5
20°-30°	2610.4	5.8
30°-40°	3704.3	8.2
40°-50°	5448.8	12.0
50°-60°	9227.5	20.4
60°-70°	13098.2	29.0
70°-80°	7957.3	17.6
80°-90°	1161.3	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°	45243.0	100.0
0°-180°	45243.0	100.0

Coefficient of Utilization

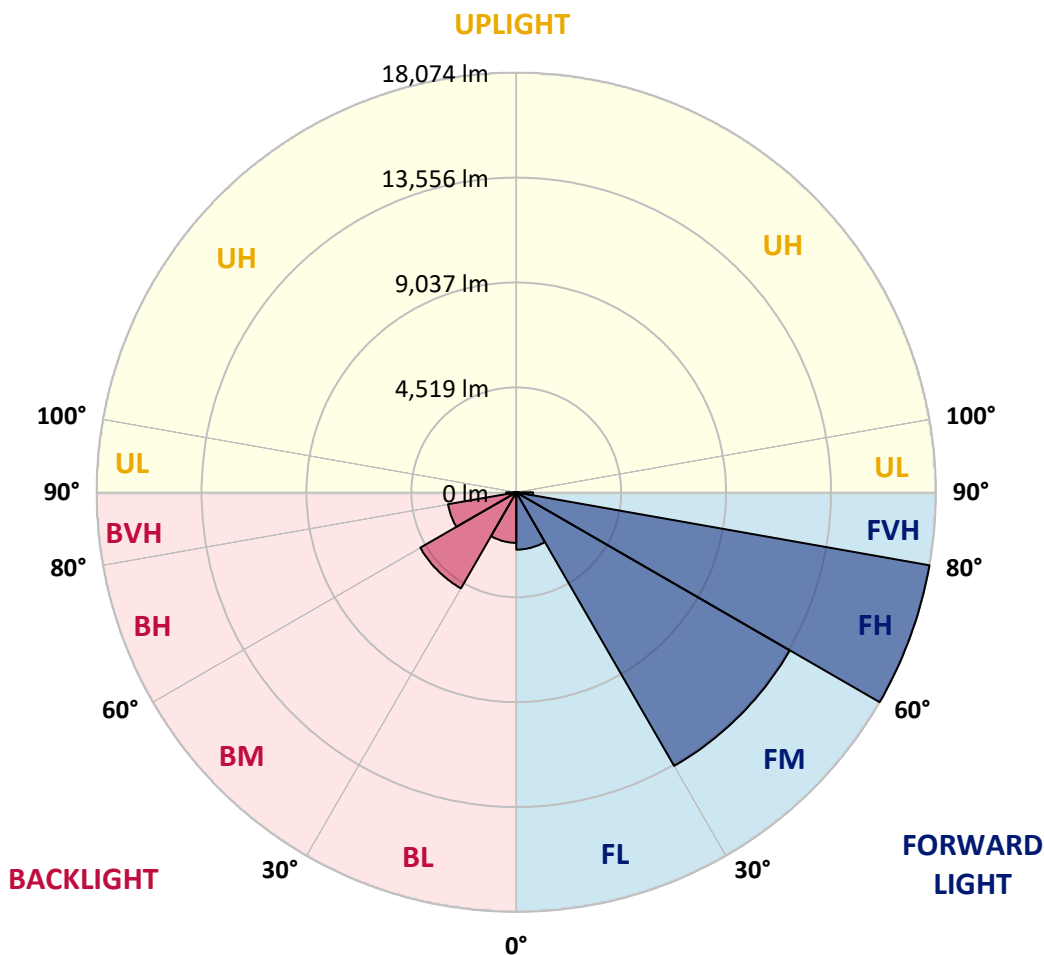


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2468.7	5.5			
FM (30°-60°)	13607.1	30.1			
FH (60°-80°)	18074.3	39.9			G5
FVH (80°-90°)	723.4	1.6			G4/750
BL (0°-30°)	2177.1	4.8	B3/2500		
BM (30°-60°)	4773.4	10.6	B3/5000		
BH (60°-80°)	2981.2	6.6	B4/5000		G4/5000
BVH (80°-90°)	437.9	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°	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4
2.5°	4840.1	4843.2	4849.4	4833.9	4790.5	4778.1	4773.5	4728.6	4699.2	4655.8	4618.7
5°	5227.2	5230.3	5221.0	5177.6	5081.6	5010.4	5004.2	4902.0	4809.1	4710.0	4635.7
7.5°	5631.3	5635.9	5606.5	5524.4	5389.7	5265.9	5258.1	5118.8	4977.9	4827.7	4716.2
10°	5988.9	5970.4	5922.4	5807.8	5648.3	5496.6	5490.4	5344.8	5182.3	5001.1	4852.5
12.5°	6227.4	6211.9	6150.0	6010.6	5835.7	5696.3	5683.9	5549.2	5391.3	5193.1	5015.0
15°	6359.0	6369.8	6286.2	6128.3	5958.0	5840.3	5829.5	5733.5	5592.6	5392.8	5188.5
17.5°	6376.0	6385.3	6304.8	6148.4	6009.1	5928.6	5923.9	5860.4	5758.2	5566.2	5352.6
20°	6276.9	6283.1	6216.5	6088.0	5996.7	5971.9	5970.4	5942.5	5866.6	5696.3	5488.8
22.5°	6132.9	6137.6	6089.6	5996.7	5965.7	6004.4	6015.3	6004.4	5950.2	5790.8	5595.7
25°	6097.3	6094.2	6044.7	5950.2	5976.6	6058.6	6072.5	6077.2	6040.0	5900.7	5731.9
27.5°	6269.2	6258.3	6163.9	6012.2	6029.2	6128.3	6146.9	6191.8	6168.5	6046.2	5886.7
30°	6766.2	6747.6	6554.1	6247.5	6163.9	6215.0	6238.2	6309.4	6314.1	6211.9	6092.7
32.5°	7605.4	7582.2	7235.3	6687.2	6391.5	6303.2	6324.9	6431.8	6489.0	6410.1	6281.6
35°	8666.0	8639.7	8184.5	7435.1	6772.4	6472.0	6487.5	6572.7	6687.2	6575.8	6405.4
37.5°	9771.5	9708.0	9269.8	8314.5	7377.8	6832.8	6832.8	6843.6	6897.8	6665.6	6551.0
40°	10870.8	10807.3	10411.0	9348.8	8161.2	7401.0	7365.4	7125.4	7082.1	6882.3	6843.6
42.5°	11892.7	11874.1	11640.3	10517.8	9081.0	7960.0	7910.4	7503.2	7512.5	7388.6	7390.2
45°	12979.6	12979.6	12789.2	11697.6	10152.4	8858.0	8808.4	8209.2	8302.1	8244.9	8382.7
47.5°	13866.8	13894.7	13868.4	12927.0	11398.8	9999.1	9909.3	9187.8	9447.9	9644.5	10045.6
50°	14772.6	14816.0	14820.6	14275.6	12905.3	11355.4	11253.3	10486.8	11067.5	11631.0	12419.1
52.5°	16087.1	16184.7	15796.1	15621.1	14750.9	12965.7	12865.1	12157.5	13126.7	13917.9	15275.8
55°	17305.7	17220.5	16943.4	17051.7	16726.6	14798.9	14723.1	14102.2	15421.4	16449.4	18213.0
57.5°	17965.3	17959.1	18237.8	18702.3	18857.1	17059.5	16996.0	16392.2	18008.6	18781.2	20970.6
60°	18739.4	18750.3	19440.8	20495.2	21133.1	19874.4	19846.5	19388.2	20521.6	20958.2	23133.6
62.5°	18847.8	19042.9	20232.0	22046.7	23263.6	23163.0	23224.9	22086.9	22769.7	22695.4	24748.5
65°	17601.4	17858.4	20010.6	22515.8	25381.8	26759.8	26817.1	24801.1	24542.6	24180.3	25326.0
67.5°	15046.7	15427.6	17765.5	21495.5	26080.1	29418.3	29498.8	26905.3	26013.5	24683.5	23935.6
70°	10949.8	11372.5	13725.9	18358.5	24835.2	30268.3	30359.6	27835.9	26069.2	23251.3	20433.3
72.5°	6614.5	6945.8	8885.9	13515.4	20961.3	28720.0	28882.5	26656.0	23800.9	19694.7	15088.5
75°	2904.7	3121.4	4296.6	7788.1	15006.4	23762.2	23965.0	22816.2	19338.6	14312.8	8918.4
77.5°	1237.1	1299.0	1762.0	3383.1	8483.3	16237.3	16516.0	16670.9	13120.5	7788.1	3768.6
80°	771.1	795.8	997.1	1531.3	3969.9	9119.7	9420.0	9808.7	6515.4	2862.9	1316.1
82.5°	469.1	497.0	662.7	925.9	2067.0	4134.0	4278.0	4552.1	2528.4	1237.1	681.3
85°	281.8	301.9	405.7	585.3	1176.7	1625.7	1624.2	1796.1	1190.7	795.8	359.2
87.5°	134.7	150.2	216.8	303.5	593.0	610.0	571.3	647.2	723.1	521.8	181.2
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°	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4	4609.4
2.5°	4606.3	4600.1	4580.0	4564.5	4561.4	4552.1	4544.3	4549.0	4555.2	4556.7	4556.7
5°	4604.7	4587.7	4561.4	4550.5	4564.5	4583.1	4606.3	4637.2	4655.8	4669.8	4679.1
7.5°	4679.1	4646.5	4617.1	4610.9	4638.8	4688.3	4741.0	4806.0	4850.9	4881.9	4888.1
10°	4802.9	4762.7	4733.2	4739.4	4789.0	4860.2	4934.5	5018.1	5086.3	5128.1	5131.2
12.5°	4945.4	4906.7	4878.8	4905.1	4987.2	5073.9	5151.3	5224.1	5286.0	5327.8	5327.8
15°	5109.5	5081.6	5049.1	5109.5	5221.0	5298.4	5330.9	5366.5	5400.6	5431.5	5425.3
17.5°	5267.4	5241.1	5224.1	5295.3	5411.4	5447.0	5425.3	5399.0	5399.0	5416.1	5419.2
20°	5403.7	5380.4	5391.3	5461.0	5521.3	5484.2	5403.7	5320.1	5286.0	5295.3	5304.6
22.5°	5522.9	5512.1	5544.6	5577.1	5533.7	5403.7	5255.0	5142.0	5100.2	5097.1	5100.2
25°	5662.2	5660.7	5700.9	5642.1	5450.1	5210.1	5010.4	4900.5	4877.2	4895.8	4926.8
27.5°	5835.7	5852.7	5872.8	5657.6	5279.8	4917.5	4714.7	4638.8	4662.0	4706.9	4736.3
30°	6057.1	6103.5	6060.2	5618.9	5035.2	4583.1	4389.5	4367.8	4431.3	4494.8	4525.8
32.5°	6272.3	6345.1	6239.8	5518.2	4719.3	4228.5	4078.3	4072.1	4149.5	4211.5	4254.8
35°	6445.7	6589.7	6374.5	5318.5	4353.9	3901.8	3791.9	3750.1	3777.9	3850.7	3900.2
37.5°	6671.8	6911.7	6467.4	5013.5	3957.5	3632.4	3503.9	3407.9	3383.1	3412.5	3437.3
40°	7085.2	7402.6	6510.7	4587.7	3570.4	3363.0	3232.9	3092.0	2994.5	2923.2	2924.8
42.5°	7760.2	8042.0	6482.9	4070.6	3212.8	3099.8	2952.7	2790.1	2632.2	2471.1	2458.7
45°	8856.4	8992.7	6399.2	3522.4	2898.5	2824.2	2686.4	2523.8	2313.2	2130.5	2113.5
47.5°	10610.7	10308.8	6269.2	3044.0	2621.3	2590.4	2463.4	2276.0	2053.1	1906.0	1893.6
50°	13002.9	12208.6	6205.7	2663.1	2376.7	2386.0	2282.2	2084.1	1873.5	1765.1	1752.7
52.5°	15864.2	14421.1	6328.0	2368.9	2180.0	2212.6	2135.1	1949.3	1772.8	1687.7	1675.3
55°	18832.3	16712.7	6459.6	2155.3	1994.2	2057.7	2031.4	1878.1	1718.6	1639.7	1628.8
57.5°	21373.1	18423.6	6196.4	1981.9	1828.6	1927.7	1950.9	1833.2	1690.8	1619.6	1607.2
60°	22972.6	19112.6	5505.9	1819.3	1697.0	1823.9	1904.4	1820.8	1701.6	1695.4	1686.1
62.5°	23731.2	19052.2	4470.0	1690.8	1614.9	1779.0	1938.5	1890.5	1825.5	1881.2	1885.9
65°	23390.6	18141.8	3328.9	1605.6	1556.1	1796.1	2040.7	2022.1	1861.1	1916.8	1924.6
67.5°	21148.6	15969.5	2464.9	1531.3	1491.0	1844.1	2226.5	2065.5	1791.4	1831.7	1806.9
70°	17093.6	12660.7	1901.3	1447.7	1424.5	1837.9	2310.1	2039.1	1715.5	1724.8	1658.3
72.5°	11787.4	8633.5	1546.8	1370.3	1328.5	1675.3	2251.3	1974.1	1652.1	1580.8	1492.6
75°	6410.1	4634.1	1314.5	1289.8	1159.7	1470.9	2142.9	1927.7	1594.8	1500.3	1450.8
77.5°	2522.2	1923.0	1141.1	1179.8	1014.2	1299.0	2022.1	1839.4	1515.8	1391.9	1367.2
80°	1029.6	981.6	946.0	1020.3	871.7	1136.5	1876.6	1735.7	1421.4	1291.3	1241.8
82.5°	583.7	610.0	735.5	805.1	707.6	1046.7	1806.9	1652.1	1308.3	1156.6	1097.8
85°	298.8	357.7	512.5	577.5	520.2	890.3	1664.5	1446.1	1049.8	885.6	890.3
87.5°	144.0	199.7	323.6	362.3	337.5	644.1	1243.3	1048.2	817.5	647.2	627.1
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)