

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: P318450

Luminaire Tested: **GAN-SA6C-750-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-750-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42313 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

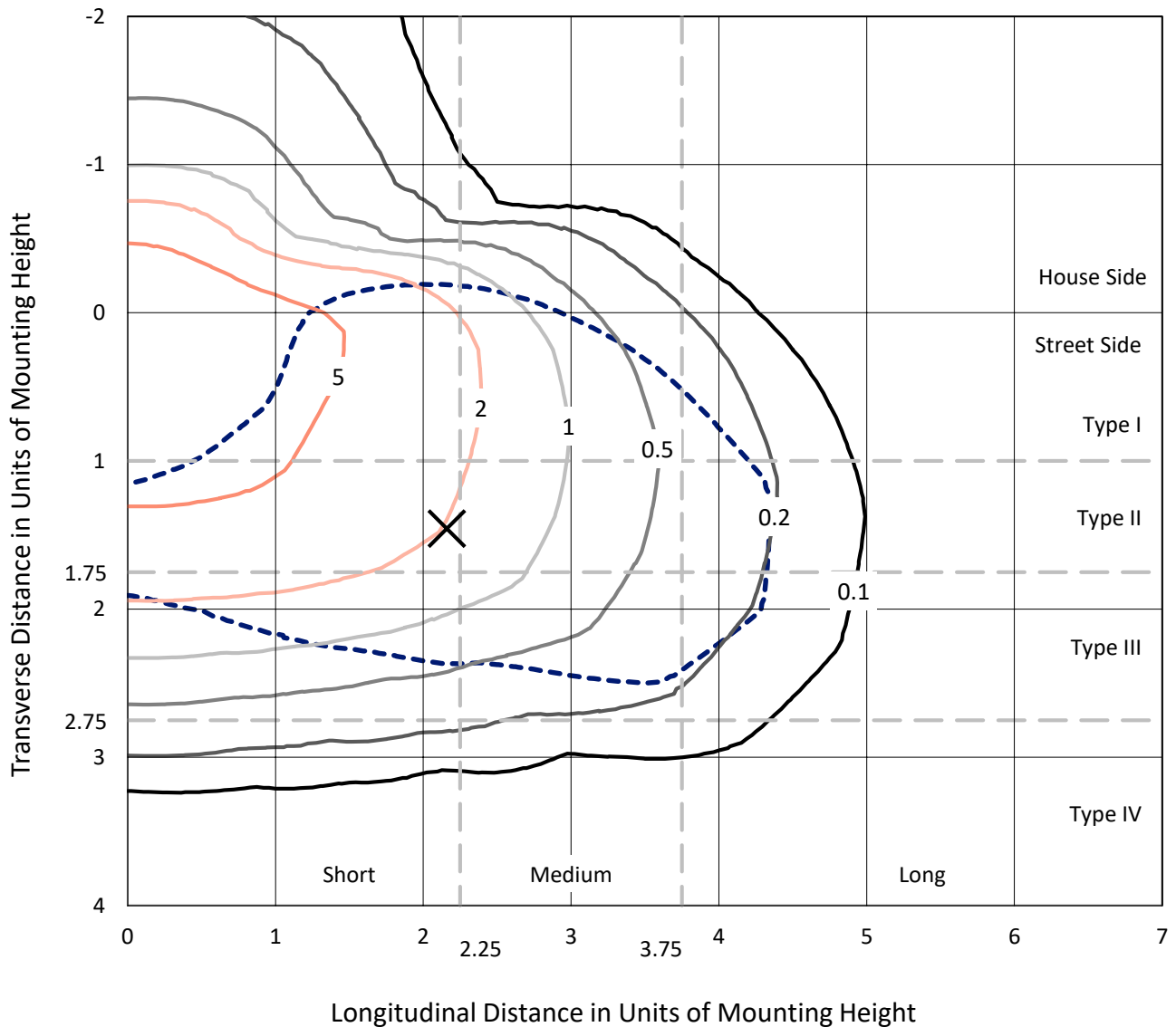
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

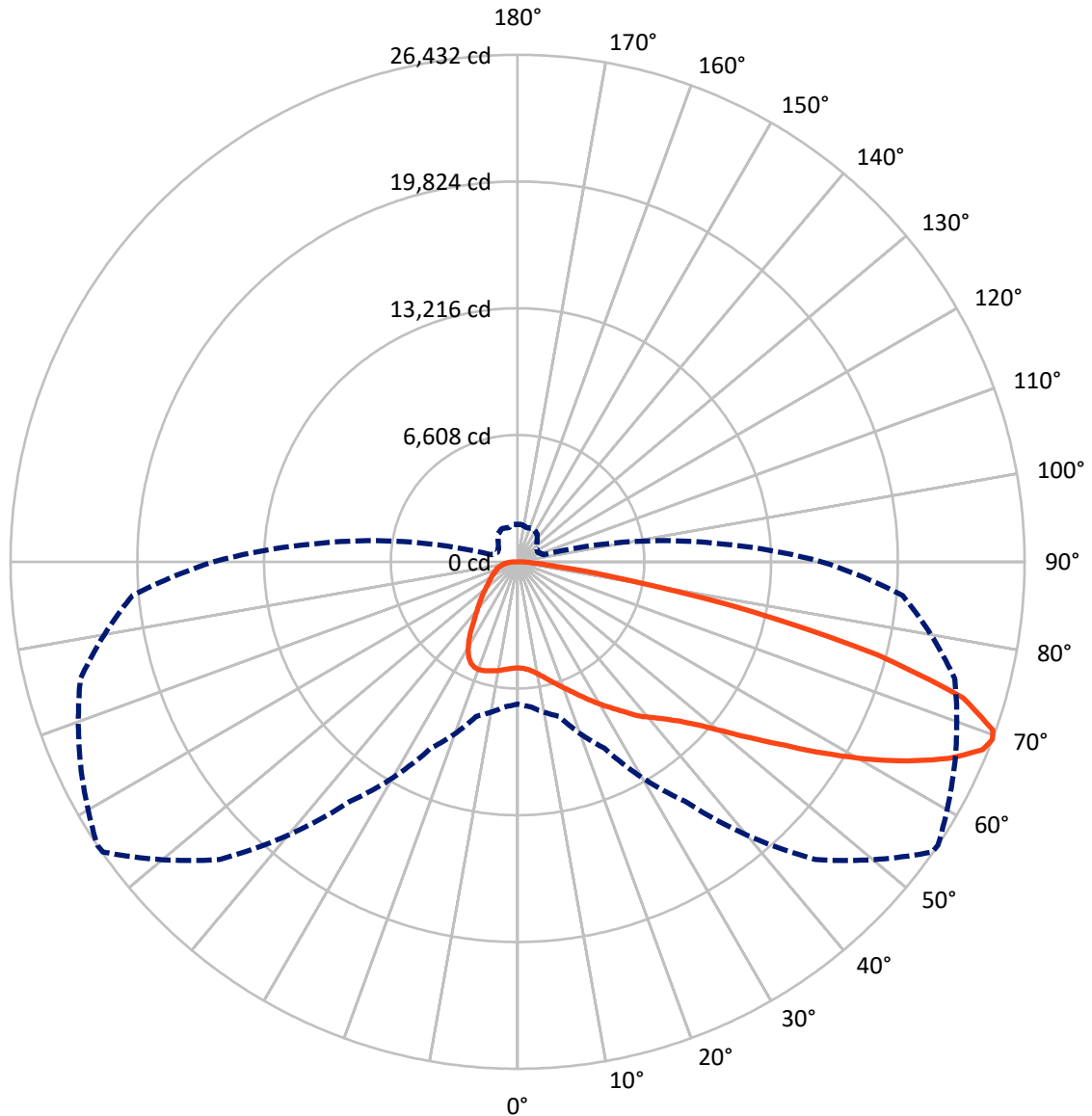
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9423.0	0.0	9423.0
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	32890.0	0.0	32890.0
	% Fixture	77.7	0.0	77.7
Total	Lumens	42313.0	0.0	42313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.3	1.3
10°-20°	1747.1	4.1
20°-30°	3049.7	7.2
30°-40°	4380.8	10.4
40°-50°	6062.8	14.3
50°-60°	8882.8	21.0
60°-70°	10829.8	25.6
70°-80°	5987.4	14.2
80°-90°	829.3	2.0
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°	42313.0	100.0
0°-180°	42313.0	100.0

Coefficient of Utilization

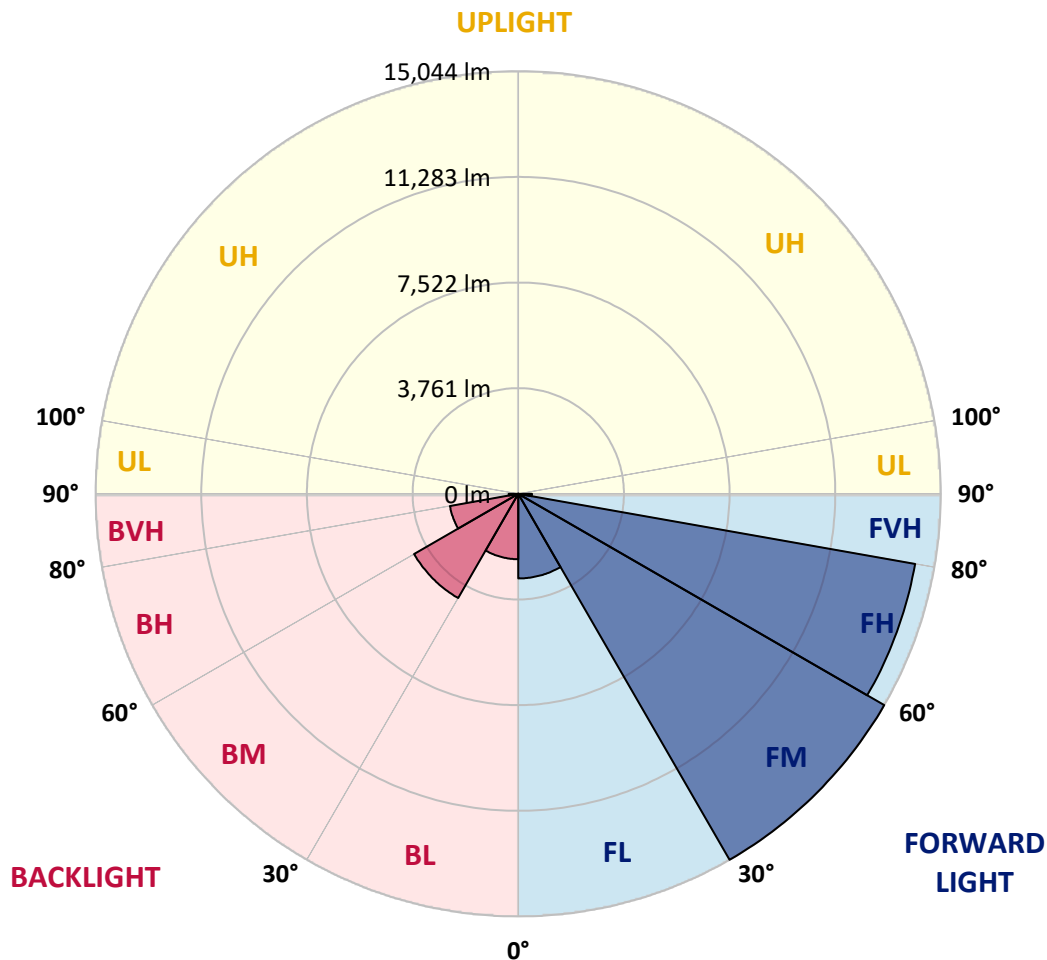


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3011.4	7.1			
FM (30°-60°)	15043.8	35.6			
FH (60°-80°)	14346.2	33.9			G5
FVH (80°-90°)	488.5	1.2			G3/500
BL (0°-30°)	2328.6	5.5	B3/2500		
BM (30°-60°)	4282.6	10.1	B3/5000		
BH (60°-80°)	2471.0	5.8	B3/2500		G3/2500
BVH (80°-90°)	340.8	0.8			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8
2.5°	5566.8	5572.6	5568.2	5579.9	5566.8	5575.5	5568.2	5568.2	5563.9	5550.7	5536.2
5°	5654.2	5665.9	5658.6	5670.3	5654.2	5657.1	5644.0	5644.0	5630.9	5603.2	5574.1
7.5°	5791.2	5804.4	5798.5	5810.2	5788.3	5788.3	5770.8	5769.4	5743.1	5698.0	5664.4
10°	5954.5	5972.0	5966.2	5983.7	5966.2	5972.0	5954.5	5954.5	5919.5	5855.4	5813.1
12.5°	6192.1	6214.0	6197.9	6196.5	6189.2	6200.8	6186.3	6183.4	6151.3	6063.8	6005.5
15°	6509.9	6533.2	6499.7	6496.8	6455.9	6451.6	6451.6	6447.2	6426.8	6321.8	6225.6
17.5°	6875.7	6883.0	6853.9	6807.2	6754.8	6721.2	6716.9	6728.5	6728.5	6606.1	6453.0
20°	7234.3	7247.4	7224.1	7171.6	7104.6	7055.0	7020.1	7043.4	7041.9	6896.1	6679.0
22.5°	7625.0	7655.6	7620.6	7553.6	7474.8	7419.4	7358.2	7378.6	7380.1	7200.8	6900.5
25°	8130.8	8103.1	8081.2	7986.5	7874.2	7817.4	7760.5	7780.9	7775.1	7528.8	7129.4
27.5°	8578.3	8584.1	8555.0	8454.4	8324.6	8199.3	8196.4	8209.5	8187.6	7869.9	7345.1
30°	9098.7	9101.6	9060.8	8970.4	8829.0	8667.2	8629.3	8651.2	8604.5	8193.5	7572.5
32.5°	9616.1	9630.7	9585.5	9476.2	9362.5	9165.7	9089.9	9104.5	8987.9	8524.3	7807.2
35°	10069.5	10089.9	10075.3	10002.4	9878.5	9709.4	9619.0	9610.3	9466.0	8929.6	8117.7
37.5°	10531.5	10550.5	10534.4	10473.2	10423.7	10244.4	10196.3	10196.3	9945.6	9343.5	8512.7
40°	11006.7	11035.9	11016.9	10932.4	10890.1	10808.5	10693.3	10665.6	10394.5	9840.6	9157.0
42.5°	11448.4	11486.3	11562.1	11512.5	11426.5	11438.2	11206.4	11191.8	10993.6	10575.3	9966.0
45°	12075.2	12130.6	12258.8	12221.0	12203.5	12139.3	11863.8	11850.7	11774.9	11563.6	10970.3
47.5°	12758.8	12834.6	13066.4	13073.7	13261.7	13140.7	12766.1	12720.9	12738.4	12747.2	12196.2
50°	13388.5	13471.6	13852.1	14031.4	14474.5	14500.7	13901.6	13860.8	13929.3	14130.5	13624.7
52.5°	13891.4	13996.4	14471.6	15025.5	15784.9	16000.6	15299.5	15268.9	15319.9	15666.8	15239.7
55°	14260.2	14373.9	14891.4	15900.1	17112.8	17493.3	16908.8	16879.6	16911.7	17353.3	16996.2
57.5°	14346.2	14373.9	15124.6	16489.0	18233.8	19147.7	18878.0	18819.7	18662.3	19047.1	18934.9
60°	13942.4	14053.2	14932.2	16695.9	19101.1	20778.8	20936.2	20863.4	20421.7	20736.6	20646.2
62.5°	13123.2	13321.5	14213.6	16381.1	19440.7	22111.1	22955.1	22867.6	22106.7	22310.8	21876.4
65°	11785.1	11869.7	12806.9	15295.1	19009.2	22963.8	24755.3	24711.6	23753.9	23434.7	22103.8
67.5°	9391.6	9550.5	10346.4	13025.6	17244.0	22863.3	26147.4	26143.0	24829.6	23851.6	21297.7
69°	7419.4	7584.2	8342.1	10729.8	15258.7	21943.5	26380.6	26431.6	25132.8	23597.9	20146.2
70°	5915.2	6106.1	6626.5	9037.4	13496.4	20730.7	26186.7	26278.5	25074.5	23179.6	19083.6
72.5°	2517.4	2671.9	3042.1	4658.7	8225.5	15480.3	23943.4	24290.3	23723.3	21214.7	15771.8
75°	1099.1	1147.2	1314.8	1899.3	3651.4	8425.2	18757.1	19398.4	20284.7	17932.0	11748.7
77.5°	804.6	825.0	916.9	1115.1	1638.4	3182.1	12062.1	12435.2	14629.0	13048.9	7206.6
80°	622.4	637.0	708.4	819.2	1069.9	1287.1	5501.2	5821.9	8225.5	6702.3	3001.3
82.5°	495.6	505.8	555.4	603.5	739.0	779.8	1826.4	2026.1	3036.3	1851.2	794.4
85°	460.6	472.3	489.8	440.2	473.7	457.7	790.0	826.5	916.9	727.4	332.3
87.5°	208.4	246.3	485.4	342.5	252.2	201.2	323.6	338.2	380.4	381.9	147.2
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°	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8	5531.8
2.5°	5544.9	5540.5	5547.8	5530.3	5552.2	5550.7	5543.4	5546.4	5560.9	5559.5	5560.9
5°	5578.4	5575.5	5584.3	5571.1	5597.4	5606.1	5607.6	5620.7	5636.7	5641.1	5641.1
7.5°	5663.0	5663.0	5667.3	5649.9	5667.3	5665.9	5658.6	5671.7	5687.8	5689.2	5687.8
10°	5808.7	5810.2	5802.9	5757.7	5743.1	5703.8	5667.3	5668.8	5689.2	5705.2	5709.6
12.5°	5992.4	5986.6	5954.5	5871.4	5810.2	5730.0	5692.1	5690.7	5711.1	5724.2	5728.6
15°	6202.3	6186.3	6103.2	5967.6	5859.8	5781.0	5719.8	5705.2	5693.6	5679.0	5680.5
17.5°	6400.5	6364.1	6225.6	6037.6	5923.9	5818.9	5700.9	5606.1	5540.5	5502.6	5491.0
20°	6601.7	6530.3	6330.6	6103.2	5958.9	5767.9	5540.5	5348.1	5228.6	5173.2	5163.0
22.5°	6785.4	6670.2	6428.2	6171.7	5931.2	5595.9	5238.8	4958.9	4792.8	4718.4	4724.2
25°	6964.7	6804.3	6530.3	6219.8	5791.2	5292.7	4819.0	4475.0	4282.6	4199.5	4196.6
27.5°	7122.1	6939.9	6641.1	6180.4	5530.3	4861.3	4321.9	3986.7	3826.3	3754.9	3743.2
30°	7302.8	7110.4	6788.3	6030.3	5148.4	4362.8	3836.5	3600.4	3486.7	3415.3	3402.2
32.5°	7522.9	7342.2	6909.3	5757.7	4660.1	3842.4	3457.5	3292.8	3189.3	3109.2	3094.6
35°	7843.6	7648.3	6939.9	5367.1	4123.7	3431.3	3179.1	3010.1	2870.1	2766.6	2756.4
37.5°	8245.9	8031.7	6869.9	4861.3	3603.3	3164.6	2947.4	2738.9	2556.7	2411.0	2387.6
40°	8826.1	8502.5	6676.0	4278.2	3220.0	2959.0	2721.4	2483.8	2257.9	2087.4	2053.8
42.5°	9522.8	9054.9	6378.7	3698.1	2938.6	2750.6	2497.0	2202.5	1986.8	1865.8	1848.3
45°	10409.1	9629.2	5966.2	3190.8	2661.7	2542.1	2255.0	1983.9	1849.8	1760.8	1746.3
47.5°	11420.7	10273.5	5533.2	2778.3	2427.0	2346.8	2061.1	1886.2	1779.8	1709.8	1696.7
50°	12664.1	11000.9	5074.1	2440.1	2190.9	2112.1	1969.3	1832.3	1747.7	1693.8	1680.7
52.5°	14066.3	11821.6	4743.2	2173.4	1995.5	1938.7	1921.2	1803.1	1734.6	1693.8	1680.7
55°	15576.5	12656.8	4386.1	1948.9	1826.4	1842.5	1889.1	1806.0	1759.4	1709.8	1690.9
57.5°	17088.0	13519.7	3988.1	1759.4	1692.3	1771.0	1867.3	1811.9	1772.5	1724.4	1706.9
60°	18283.3	14066.3	3371.5	1600.5	1585.9	1692.3	1814.8	1768.1	1717.1	1718.6	1715.7
62.5°	18841.6	14037.2	2690.8	1459.1	1479.5	1585.9	1730.2	1699.6	1657.3	1714.2	1718.6
65°	18528.2	13337.5	2094.6	1330.8	1365.8	1475.1	1642.8	1666.1	1680.7	1790.0	1804.6
67.5°	17213.4	11976.1	1622.4	1218.6	1262.3	1399.3	1651.5	1814.8	1833.7	1948.9	1947.4
69°	15853.4	10699.2	1409.5	1160.3	1211.3	1418.3	1765.2	1909.5	1838.1	1960.5	1943.0
70°	14713.5	9689.0	1295.9	1120.9	1188.0	1451.8	1841.0	1908.1	1816.2	1921.2	1892.0
72.5°	11331.8	6970.5	1099.1	1048.1	1109.3	1389.1	1862.9	1865.8	1765.2	1785.6	1736.1
75°	7772.2	4405.0	959.1	948.9	989.7	1252.1	1792.9	1782.7	1632.6	1603.4	1562.6
77.5°	4285.5	2237.5	814.8	854.2	881.9	1109.3	1629.7	1615.1	1491.2	1430.0	1415.4
80°	1653.0	979.5	688.0	759.4	776.9	960.6	1428.5	1415.4	1311.9	1233.2	1211.3
82.5°	623.9	513.1	568.5	657.4	651.6	793.0	1209.9	1202.6	1102.0	986.8	951.8
85°	288.6	307.6	450.4	542.2	500.0	587.4	967.9	981.0	858.6	721.5	721.5
87.5°	122.4	172.0	319.2	409.6	336.7	396.5	709.9	677.8	622.4	431.5	405.2
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)