

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: P318440

Luminaire Tested: **GAN-SA6B-750-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318440
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-SA6B-750-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34186 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

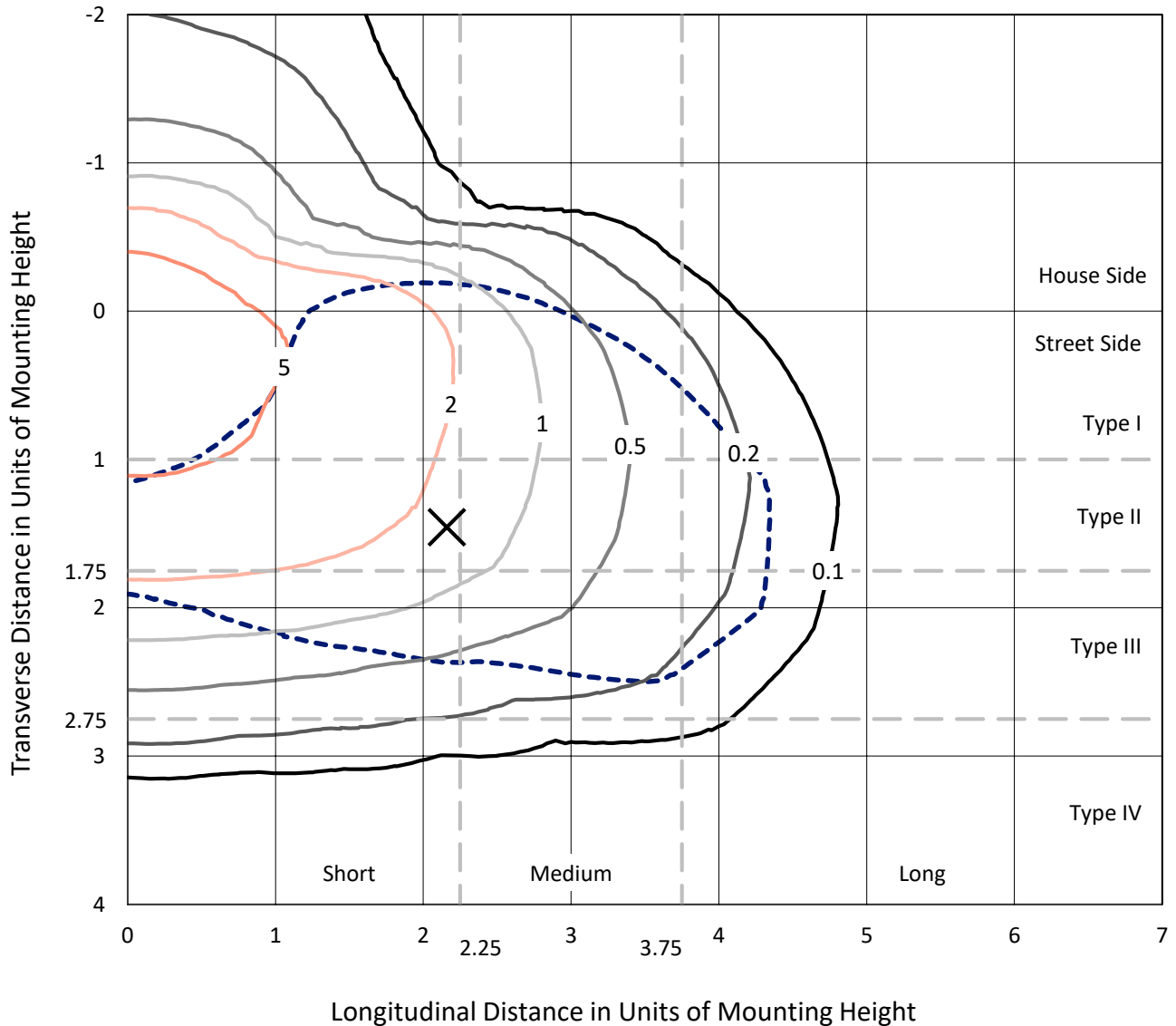
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

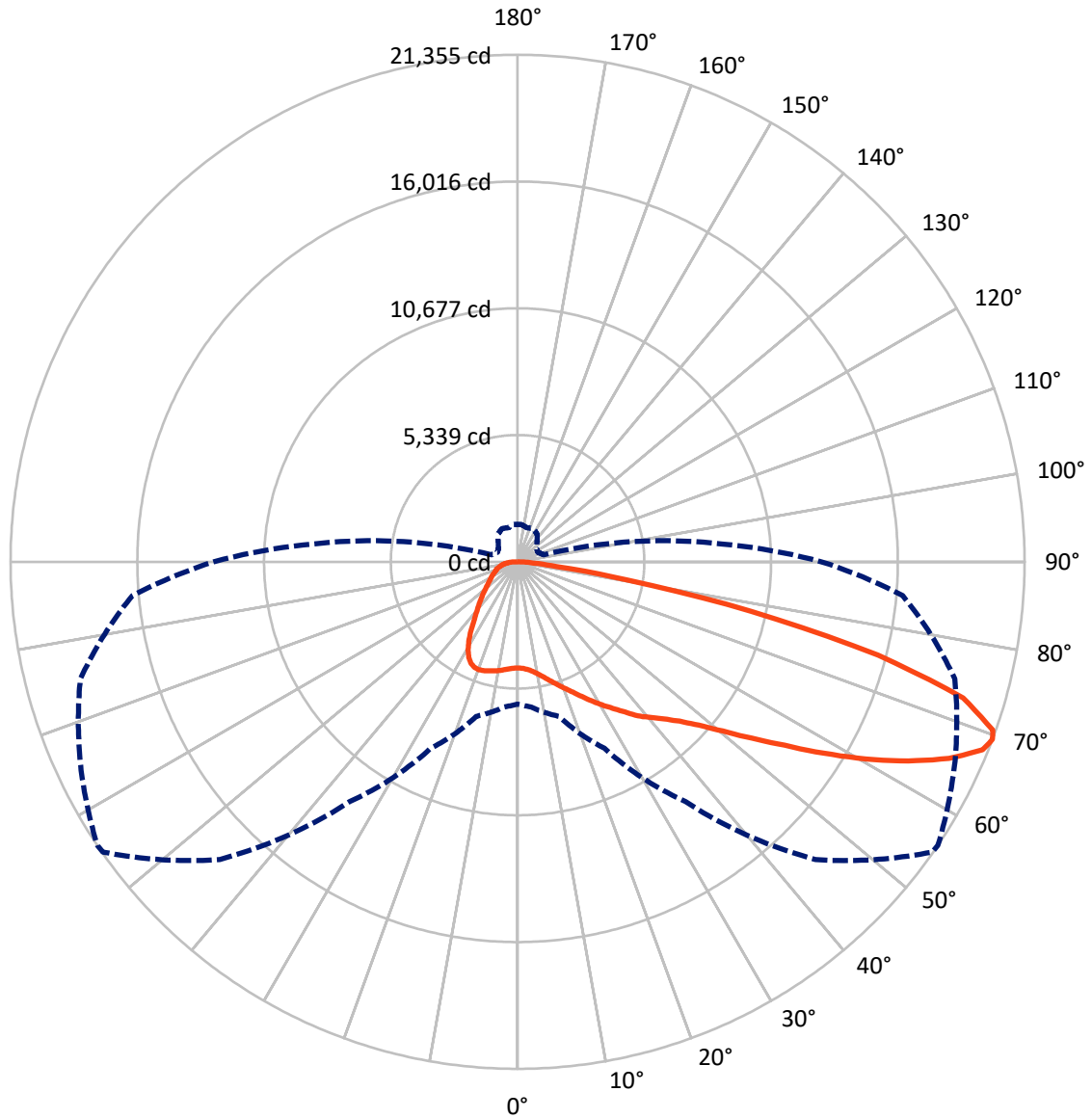
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type 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	7613.2	0.0	7613.2
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	26572.8	0.0	26572.8
	% Fixture	77.7	0.0	77.7
Total	Lumens	34186.0	0.0	34186.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.0	1.3
10°-20°	1411.5	4.1
20°-30°	2464.0	7.2
30°-40°	3539.4	10.4
40°-50°	4898.3	14.3
50°-60°	7176.7	21.0
60°-70°	8749.8	25.6
70°-80°	4837.4	14.2
80°-90°	670.0	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°	34186.0	100.0
0°-180°	34186.0	100.0

Coefficient of Utilization

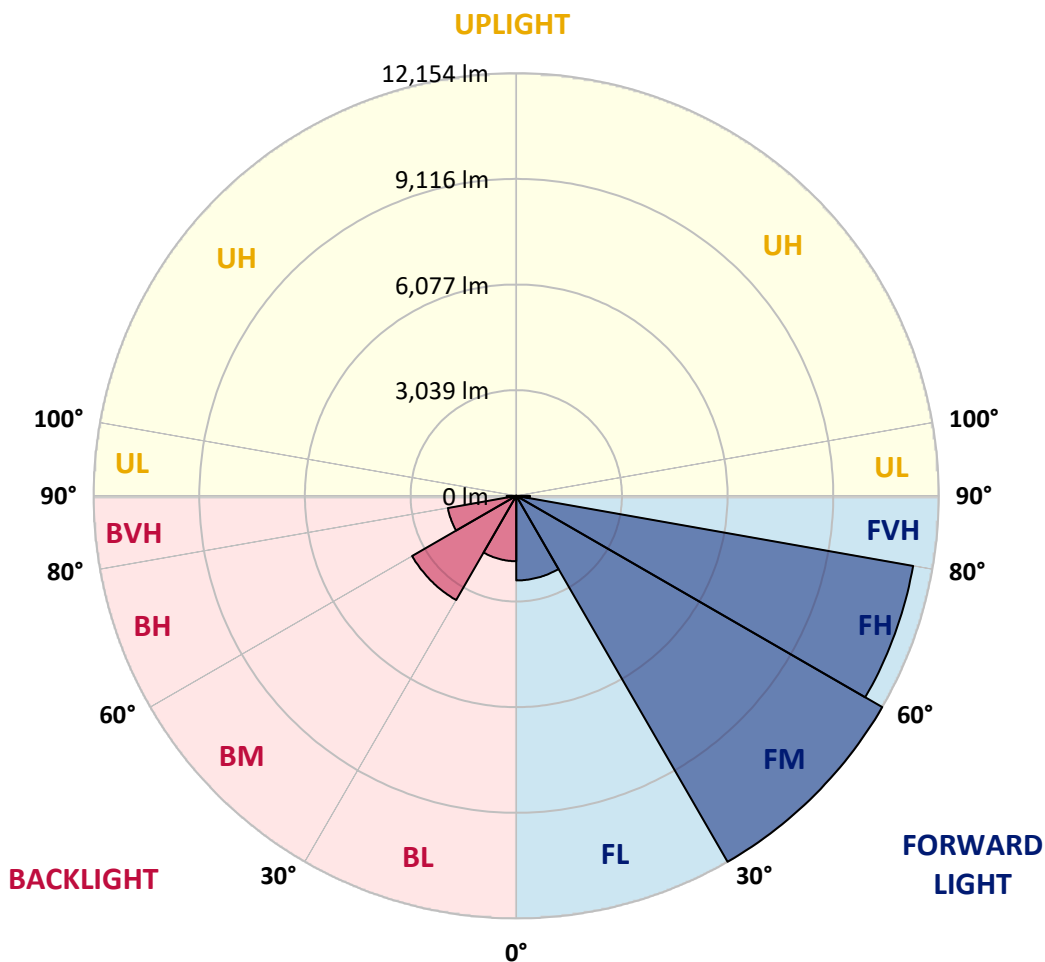


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2433.0	7.1			
FM (30°-60°)	12154.4	35.6			
FH (60°-80°)	11590.8	33.9			G4/12000
FVH (80°-90°)	394.6	1.2			G3/500
BL (0°-30°)	1881.4	5.5	B3/2500		
BM (30°-60°)	3460.0	10.1	B3/5000		
BH (60°-80°)	1996.4	5.8	B3/2500		G3/2500
BVH (80°-90°)	275.3	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-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3
2.5°	4497.6	4502.3	4498.7	4508.2	4497.6	4504.6	4498.7	4498.7	4495.2	4484.6	4472.8
5°	4568.2	4577.7	4571.8	4581.2	4568.2	4570.6	4560.0	4560.0	4549.4	4527.0	4503.5
7.5°	4678.9	4689.5	4684.8	4694.2	4676.6	4676.6	4662.4	4661.3	4640.1	4603.6	4576.5
10°	4810.8	4825.0	4820.3	4834.4	4820.3	4825.0	4810.8	4810.8	4782.6	4730.8	4696.6
12.5°	5002.8	5020.5	5007.5	5006.3	5000.4	5009.9	4998.1	4995.7	4969.8	4899.2	4852.1
15°	5259.5	5278.4	5251.3	5248.9	5216.0	5212.4	5212.4	5208.9	5192.4	5107.6	5029.9
17.5°	5555.1	5561.0	5537.5	5499.8	5457.4	5430.3	5426.8	5436.2	5436.2	5337.3	5213.6
20°	5844.8	5855.4	5836.6	5794.2	5740.0	5700.0	5671.7	5690.6	5689.4	5571.6	5396.1
22.5°	6160.5	6185.2	6156.9	6102.8	6039.2	5994.4	5944.9	5961.4	5962.6	5817.8	5575.1
25°	6569.1	6546.7	6529.1	6452.5	6361.8	6315.9	6270.0	6286.5	6281.8	6082.7	5760.0
27.5°	6930.7	6935.4	6911.8	6830.6	6725.7	6624.5	6622.1	6632.7	6615.0	6358.3	5934.3
30°	7351.1	7353.4	7320.5	7247.5	7133.2	7002.5	6971.9	6989.5	6951.9	6619.8	6118.1
32.5°	7769.2	7780.9	7744.4	7656.1	7564.3	7405.3	7344.0	7355.8	7261.6	6887.1	6307.7
35°	8135.4	8151.9	8140.1	8081.3	7981.2	7844.5	7771.5	7764.5	7647.9	7214.5	6558.5
37.5°	8508.8	8524.1	8511.1	8461.6	8421.6	8276.8	8237.9	8237.9	8035.3	7548.9	6877.7
40°	8892.7	8916.2	8900.9	8832.6	8798.5	8732.5	8639.5	8617.1	8398.1	7950.5	7398.2
42.5°	9249.5	9280.1	9341.4	9301.3	9231.9	9241.3	9054.0	9042.2	8882.1	8544.1	8051.8
45°	9755.9	9800.7	9904.3	9873.7	9859.6	9807.7	9585.2	9574.6	9513.3	9342.6	8863.2
47.5°	10308.3	10369.5	10556.7	10562.6	10714.6	10616.8	10314.1	10277.6	10291.8	10298.8	9853.7
50°	10817.0	10884.1	11191.5	11336.4	11694.4	11715.6	11231.6	11198.6	11253.9	11416.5	11007.8
52.5°	11223.3	11308.1	11692.0	12139.6	12753.1	12927.4	12361.0	12336.2	12377.4	12657.7	12312.7
55°	11521.3	11613.1	12031.2	12846.2	13826.0	14133.4	13661.1	13637.6	13663.5	14020.3	13731.8
57.5°	11590.8	11613.1	12219.6	13321.9	14731.6	15470.0	15252.2	15205.1	15077.9	15388.8	15298.1
60°	11264.5	11354.0	12064.2	13489.2	15432.4	16787.9	16915.1	16856.2	16499.3	16753.7	16680.7
62.5°	10602.7	10762.8	11483.6	13234.8	15706.8	17864.3	18546.1	18475.5	17860.7	18025.6	17674.7
65°	9521.6	9589.9	10347.1	12357.4	15358.2	18553.2	20000.6	19965.3	19191.5	18933.6	17858.4
67.5°	7587.8	7716.2	8359.2	10523.8	13932.0	18471.9	21125.3	21121.7	20060.6	19270.4	17207.1
69°	5994.4	6127.5	6739.9	8668.9	12328.0	17728.8	21313.7	21354.9	20305.6	19065.5	16276.7
70°	4779.0	4933.3	5353.7	7301.6	10904.2	16749.0	21157.1	21231.3	20258.5	18727.5	15418.2
72.5°	2033.9	2158.7	2457.8	3763.9	6645.7	12507.0	19344.6	19624.9	19166.8	17140.0	12742.5
75°	888.0	926.8	1062.3	1534.5	2950.1	6807.0	15154.4	15672.6	16388.6	14487.8	9492.1
77.5°	650.1	666.6	740.8	900.9	1323.7	2570.9	9745.3	10046.8	11819.2	10542.6	5822.5
80°	502.9	514.6	572.4	661.9	864.4	1039.9	4444.6	4703.7	6645.7	5415.0	2424.8
82.5°	400.4	408.7	448.7	487.6	597.1	630.1	1475.6	1637.0	2453.1	1495.7	641.8
85°	372.1	381.6	395.7	355.7	382.7	369.8	638.3	667.7	740.8	587.7	268.5
87.5°	168.4	199.0	392.2	276.8	203.7	162.5	261.4	273.2	307.4	308.6	118.9
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°	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3	4469.3
2.5°	4479.9	4476.4	4482.3	4468.1	4485.8	4484.6	4478.7	4481.1	4492.9	4491.7	4492.9
5°	4507.0	4504.6	4511.7	4501.1	4522.3	4529.4	4530.5	4541.1	4554.1	4557.6	4557.6
7.5°	4575.3	4575.3	4578.8	4564.7	4578.8	4577.7	4571.8	4582.4	4595.3	4596.5	4595.3
10°	4693.1	4694.2	4688.4	4651.8	4640.1	4608.3	4578.8	4580.0	4596.5	4609.4	4613.0
12.5°	4841.5	4836.7	4810.8	4743.7	4694.2	4629.5	4598.8	4597.7	4614.2	4624.8	4628.3
15°	5011.0	4998.1	4931.0	4821.4	4734.3	4670.7	4621.2	4609.4	4600.0	4588.3	4589.4
17.5°	5171.2	5141.8	5029.9	4878.0	4786.1	4701.3	4605.9	4529.4	4476.4	4445.8	4436.3
20°	5333.7	5276.0	5114.7	4931.0	4814.4	4660.1	4476.4	4320.9	4224.3	4179.6	4171.4
22.5°	5482.1	5389.1	5193.6	4986.3	4792.0	4521.1	4232.6	4006.5	3872.2	3812.2	3816.9
25°	5627.0	5497.4	5276.0	5025.2	4678.9	4276.2	3893.4	3615.5	3460.0	3392.9	3390.5
27.5°	5754.2	5606.9	5365.5	4993.4	4468.1	3927.6	3491.8	3221.0	3091.4	3033.7	3024.3
30°	5900.2	5744.7	5484.5	4872.1	4159.6	3524.8	3099.7	2908.9	2817.0	2759.3	2748.7
32.5°	6078.0	5932.0	5582.2	4651.8	3765.1	3104.4	2793.5	2660.4	2576.8	2512.0	2500.2
35°	6337.1	6179.3	5606.9	4336.2	3331.7	2772.3	2568.5	2431.9	2318.9	2235.2	2227.0
37.5°	6662.1	6489.0	5550.4	3927.6	2911.2	2556.7	2381.3	2212.9	2065.7	1947.9	1929.0
40°	7130.9	6869.4	5393.8	3456.5	2601.5	2390.7	2198.7	2006.8	1824.2	1686.4	1659.4
42.5°	7693.8	7315.8	5153.5	2987.8	2374.2	2222.3	2017.4	1779.5	1605.2	1507.4	1493.3
45°	8409.8	7779.8	4820.3	2577.9	2150.4	2053.9	1821.9	1602.8	1494.5	1422.6	1410.9
47.5°	9227.1	8300.3	4470.5	2244.7	1960.8	1896.1	1665.2	1523.9	1438.0	1381.4	1370.8
50°	10231.7	8888.0	4099.5	1971.4	1770.1	1706.5	1591.0	1480.3	1412.0	1368.5	1357.9
52.5°	11364.6	9551.0	3832.2	1755.9	1612.2	1566.3	1552.2	1456.8	1401.4	1368.5	1357.9
55°	12584.7	10225.8	3543.6	1574.6	1475.6	1488.6	1526.3	1459.1	1421.5	1381.4	1366.1
57.5°	13806.0	10923.0	3222.1	1421.5	1367.3	1430.9	1508.6	1463.9	1432.1	1393.2	1379.1
60°	14771.7	11364.6	2724.0	1293.1	1281.3	1367.3	1466.2	1428.5	1387.3	1388.5	1386.1
62.5°	15222.7	11341.1	2174.0	1178.9	1195.3	1281.3	1397.9	1373.2	1339.0	1385.0	1388.5
65°	14969.5	10775.8	1692.3	1075.2	1103.5	1191.8	1327.2	1346.1	1357.9	1446.2	1458.0
67.5°	13907.3	9675.8	1310.8	984.5	1019.9	1130.6	1334.3	1466.2	1481.5	1574.6	1573.4
69°	12808.5	8644.2	1138.8	937.4	978.7	1145.9	1426.2	1542.8	1485.1	1584.0	1569.9
70°	11887.5	7828.1	1047.0	905.6	959.8	1173.0	1487.4	1541.6	1467.4	1552.2	1528.6
72.5°	9155.3	5631.7	888.0	846.8	896.2	1122.3	1505.1	1507.4	1426.2	1442.7	1402.6
75°	6279.4	3559.0	774.9	766.7	799.6	1011.6	1448.5	1440.3	1319.0	1295.5	1262.5
77.5°	3462.4	1807.7	658.3	690.1	712.5	896.2	1316.6	1304.9	1204.8	1155.3	1143.5
80°	1335.5	791.4	555.9	613.6	627.7	776.1	1154.1	1143.5	1059.9	996.3	978.7
82.5°	504.0	414.5	459.3	531.1	526.4	640.7	977.5	971.6	890.3	797.3	769.0
85°	233.2	248.5	363.9	438.1	403.9	474.6	782.0	792.6	693.7	583.0	583.0
87.5°	98.9	139.0	257.9	330.9	272.0	320.3	573.5	547.6	502.9	348.6	327.4
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)