

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: P317728

Luminaire Tested: **GAN-SA4C-730-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317728
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-SA4C-730-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 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: 26567 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

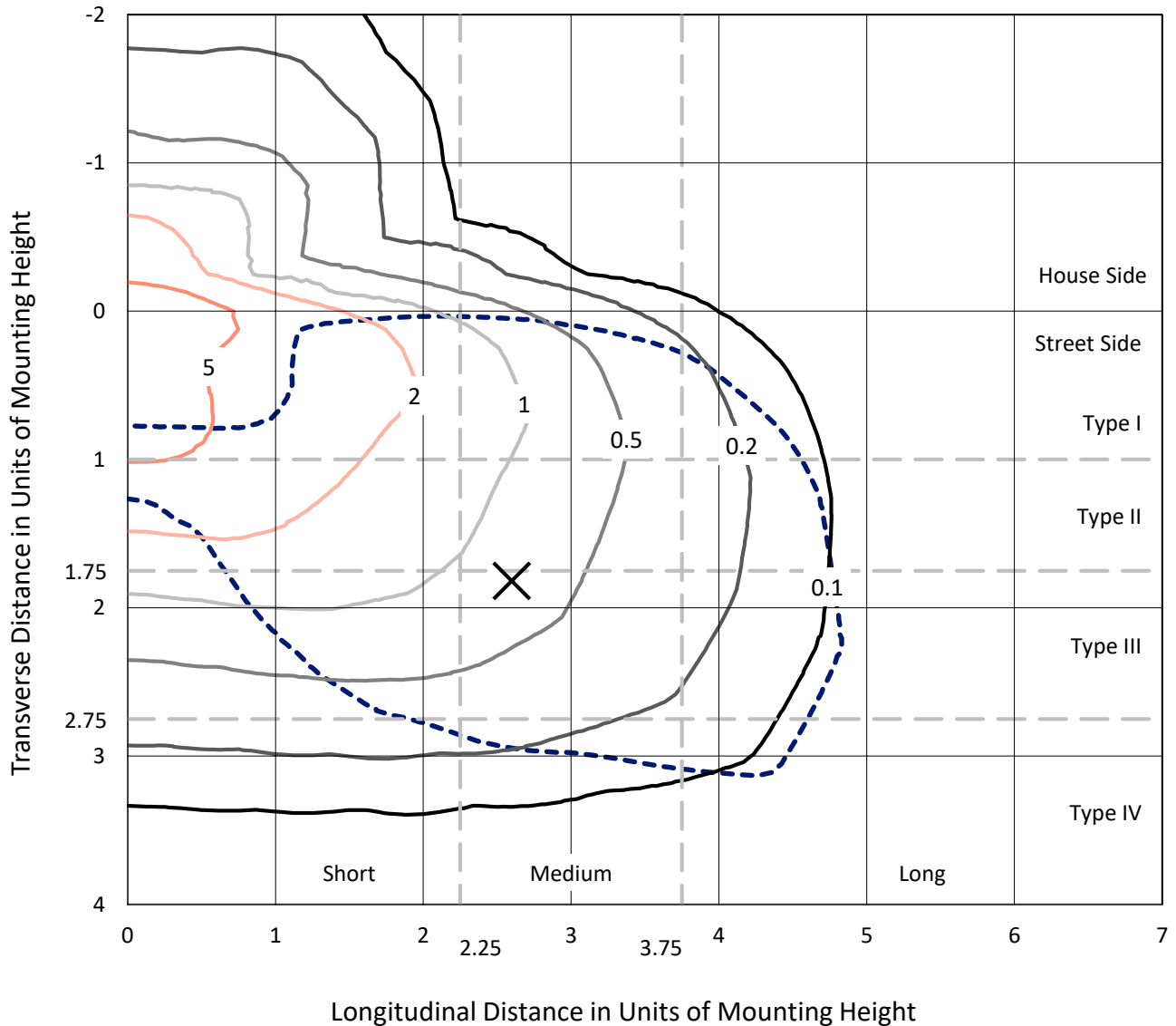
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P317728
 CATALOG NUMBER: GAN-SA4C-730-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

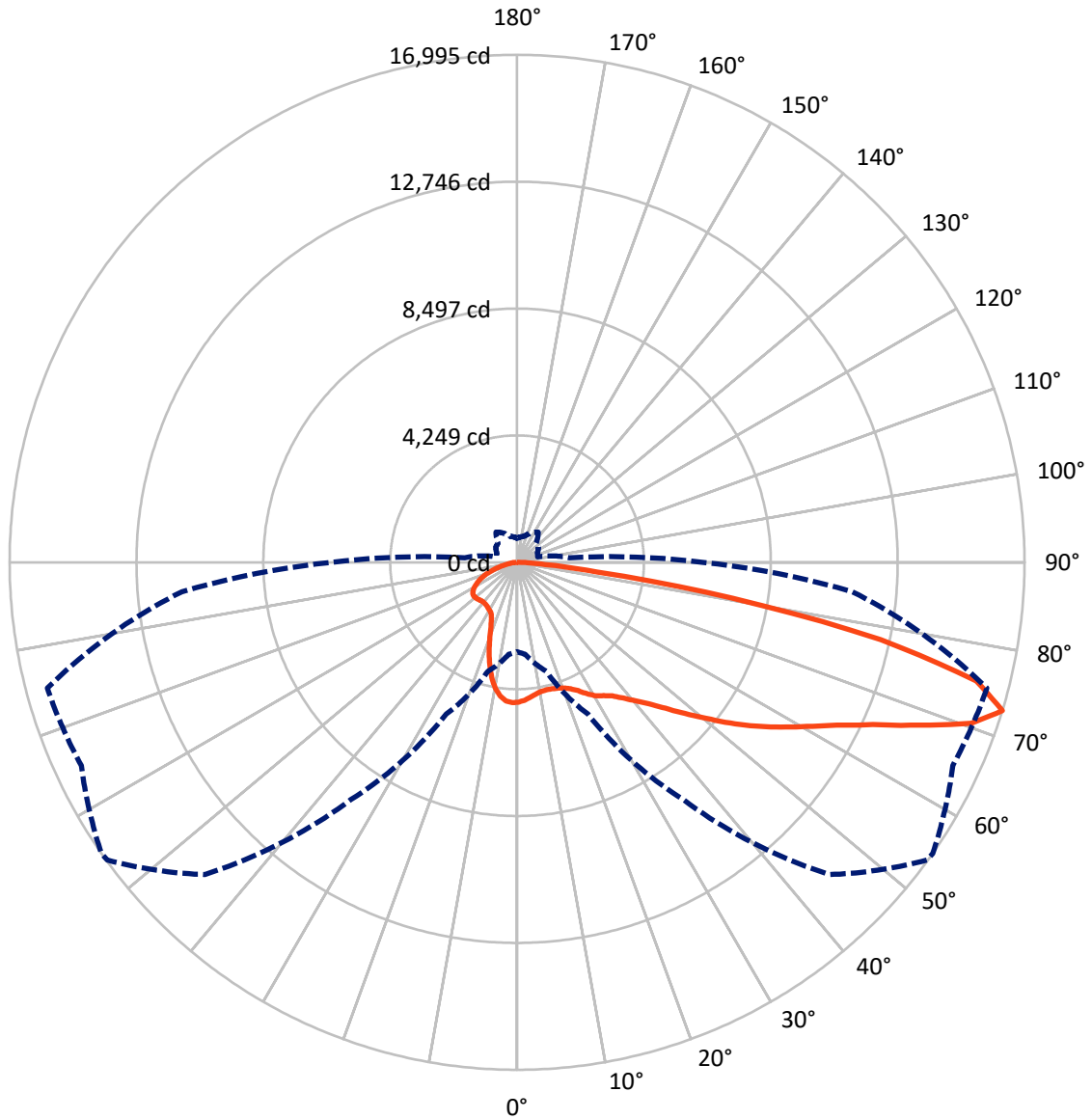
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P317728
CATALOG NUMBER: GAN-SA4C-730-U-T3R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P317728
 CATALOG NUMBER: GAN-SA4C-730-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4937.9	0.0	4937.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	21629.1	0.0	21629.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	26567.0	0.0	26567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.0	1.6
10°-20°	1128.9	4.2
20°-30°	1861.2	7.0
30°-40°	2753.2	10.4
40°-50°	3843.0	14.5
50°-60°	5003.6	18.8
60°-70°	6149.3	23.1
70°-80°	4820.3	18.1
80°-90°	583.3	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°	26567.0	100.0
0°-180°	26567.0	100.0

Coefficient of Utilization

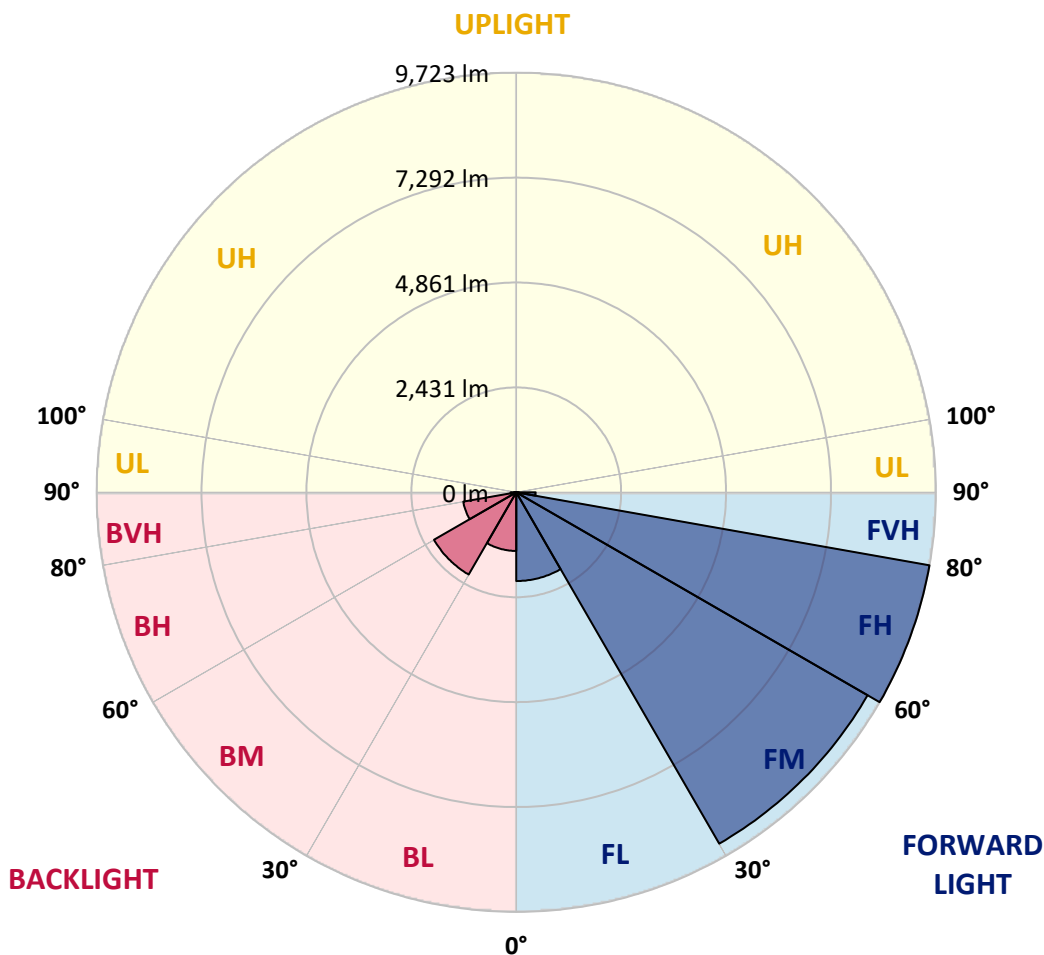


REPORT NUMBER: P317728
 CATALOG NUMBER: GAN-SA4C-730-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2055.5	7.7			
FM (30°-60°)	9399.9	35.4			
FH (60°-80°)	9722.6	36.6			G4/12000
FVH (80°-90°)	451.0	1.7			G3/500
BL (0°-30°)	1358.6	5.1	B3/2500		
BM (30°-60°)	2199.9	8.3	B2/2500		
BH (60°-80°)	1247.0	4.7	B3/2500		G3/2500
BVH (80°-90°)	132.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium





REPORT NUMBER: P317728

CATALOG NUMBER: GAN-SA4C-730-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8
2.5°	4533.3	4522.5	4536.0	4554.8	4575.5	4603.3	4619.4	4626.6	4654.4	4665.2	4688.5
5°	4323.3	4317.9	4340.4	4372.7	4418.4	4483.1	4535.1	4545.0	4618.5	4670.6	4718.2
7.5°	4170.8	4170.8	4196.8	4235.4	4286.5	4373.6	4447.2	4460.6	4585.3	4697.5	4785.5
10°	4049.6	4054.1	4084.6	4130.4	4190.5	4282.9	4380.8	4396.0	4576.4	4760.3	4900.3
12.5°	3968.9	3979.6	4007.5	4048.7	4123.2	4235.4	4359.2	4379.9	4595.2	4850.1	5038.5
15°	4020.0	4038.0	4040.7	4057.7	4099.0	4221.0	4371.8	4393.3	4635.6	4941.6	5195.5
17.5°	4244.4	4250.6	4222.8	4186.9	4167.2	4245.3	4409.5	4431.9	4684.1	5032.2	5346.3
20°	4585.3	4581.8	4521.6	4424.7	4324.2	4336.8	4471.4	4494.7	4749.6	5112.1	5497.0
22.5°	5016.1	5003.5	4911.1	4732.5	4561.1	4489.3	4580.0	4599.7	4848.3	5226.0	5658.6
25°	5538.3	5510.5	5388.5	5148.9	4896.7	4711.9	4743.3	4762.1	4991.8	5353.5	5806.6
27.5°	6089.3	6061.5	5906.2	5616.4	5280.8	4992.7	4968.5	4984.7	5155.1	5447.7	5916.1
30°	6665.4	6635.7	6494.0	6169.1	5688.2	5283.5	5178.5	5184.8	5270.0	5498.8	6005.8
32.5°	7244.1	7216.3	7057.5	6680.6	6130.5	5595.7	5330.1	5322.1	5339.1	5551.8	6107.2
35°	7831.0	7841.8	7656.0	7238.7	6620.5	5943.0	5509.6	5492.5	5454.9	5660.3	6250.8
37.5°	8459.1	8451.9	8211.4	7775.3	7132.9	6319.9	5767.1	5764.4	5634.3	5865.8	6476.0
40°	8879.1	8883.5	8737.3	8324.5	7650.6	6737.1	6097.3	6091.1	5920.6	6173.6	6771.2
42.5°	9043.3	9072.9	9110.6	8848.6	8192.6	7220.8	6491.3	6482.3	6319.9	6615.1	7118.5
45°	9054.9	9114.2	9347.5	9314.3	8741.8	7774.5	6994.7	6969.5	6852.9	7202.0	7533.1
47.5°	8954.4	9015.5	9403.1	9591.5	9232.6	8358.6	7583.3	7563.6	7463.1	7936.0	7981.7
50°	8734.6	8792.9	9288.2	9727.0	9636.4	8920.3	8261.7	8209.7	8155.8	8783.9	8495.0
52.5°	8322.7	8434.9	9134.8	9759.3	9877.8	9419.3	8975.1	8941.0	8970.6	9678.6	9009.2
55°	7347.3	7472.9	8739.1	9732.4	10056.4	9838.3	9688.5	9686.7	9840.1	10617.2	9561.0
57.5°	6800.8	6889.7	7933.3	9686.7	10268.1	10254.7	10394.6	10411.7	10710.5	11639.2	10138.9
60°	6492.2	6585.5	7525.0	9517.1	10596.5	10793.1	11115.2	11149.3	11595.3	12770.8	10834.3
62.5°	6211.3	6313.6	7271.9	9171.6	10983.3	11563.0	11978.4	12008.9	12532.1	13933.7	11506.4
65°	5731.2	5847.0	6901.4	8944.6	11335.0	12567.1	13075.9	13096.5	13608.0	15152.3	12020.6
67.5°	5052.9	5158.7	6202.3	8443.0	11595.3	13786.5	14534.9	14546.6	14674.9	16012.8	12283.5
70°	4260.5	4300.9	5206.3	7407.4	11287.5	14927.1	16134.0	16136.7	15647.6	16563.8	12240.5
72.5°	2993.5	3088.6	3779.5	5607.4	9700.1	14788.0	16964.0	16994.5	16099.9	16285.6	11262.4
75°	1835.9	1936.4	2370.7	3398.2	6153.9	11630.3	15673.6	15885.4	15251.9	14520.6	9200.3
77.5°	1227.5	1265.2	1547.0	1981.3	2788.0	6691.4	12050.2	12448.6	12670.3	10589.4	5883.8
80°	684.7	756.4	1025.6	1231.1	1240.1	2658.8	7225.3	7318.6	7049.4	4216.5	1815.3
82.5°	362.5	402.0	684.7	723.2	676.6	890.1	2692.9	2695.6	2252.3	1130.6	539.3
85°	280.9	314.1	469.3	441.5	345.5	394.8	888.4	936.8	766.3	463.0	175.9
87.5°	140.0	174.1	318.6	280.0	135.5	113.1	317.7	339.2	302.4	181.3	63.7
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: P317728
 CATALOG NUMBER: GAN-SA4C-730-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8	4685.8
2.5°	4697.5	4705.6	4715.5	4704.7	4701.1	4686.7	4662.5	4657.1	4644.6	4645.5	4652.6
5°	4738.8	4752.2	4746.9	4705.6	4656.2	4587.1	4515.4	4454.3	4414.0	4411.3	4408.6
7.5°	4817.8	4826.7	4784.6	4667.0	4528.8	4369.1	4218.3	4086.4	4006.6	3986.8	3982.3
10°	4941.6	4939.8	4824.0	4587.1	4311.7	4026.3	3784.0	3601.0	3494.2	3462.8	3454.7
12.5°	5079.8	5059.1	4837.5	4441.8	4004.8	3609.1	3302.2	3098.5	2987.2	2951.3	2942.3
15°	5222.4	5171.3	4804.3	4224.6	3627.9	3159.5	2837.4	2648.9	2588.8	2569.1	2565.5
17.5°	5355.3	5256.5	4709.2	3930.3	3198.1	2711.7	2460.5	2385.1	2399.5	2425.5	2426.4
20°	5485.4	5314.0	4556.6	3558.8	2744.9	2342.9	2257.7	2313.3	2381.5	2434.5	2441.6
22.5°	5613.7	5354.4	4360.1	3129.9	2339.3	2135.6	2195.8	2297.2	2375.2	2432.7	2442.5
25°	5721.4	5364.2	4089.1	2672.2	2057.6	2057.6	2166.1	2262.2	2339.3	2395.9	2405.7
27.5°	5760.8	5297.8	3706.9	2248.7	1915.8	2021.7	2124.9	2204.7	2270.2	2330.4	2341.1
30°	5776.1	5174.9	3265.4	1908.6	1857.5	1983.1	2069.2	2137.4	2199.4	2255.9	2265.8
32.5°	5778.8	5026.8	2797.0	1715.7	1817.1	1942.7	2000.1	2060.3	2126.7	2149.1	2152.7
35°	5795.8	4851.9	2303.4	1617.0	1779.4	1905.0	1950.8	1993.9	1886.2	1894.3	1901.4
37.5°	5845.2	4678.7	1890.7	1561.4	1755.2	1885.3	1940.0	1783.9	1699.5	1679.8	1677.1
40°	5937.6	4493.8	1584.7	1516.5	1746.2	1895.2	1870.9	1665.4	1520.1	1411.5	1395.3
42.5°	6065.9	4294.6	1389.1	1486.9	1752.5	1942.7	1774.9	1551.5	1310.1	1240.1	1231.1
45°	6210.4	4085.5	1283.2	1466.2	1774.0	1979.5	1755.2	1399.8	1212.3	1159.3	1154.9
47.5°	6350.4	3829.8	1228.4	1457.3	1803.6	1949.9	1671.7	1353.2	1165.6	1137.8	1140.5
50°	6511.0	3599.2	1195.2	1447.4	1829.7	1931.1	1577.5	1328.9	1147.7	1181.8	1217.7
52.5°	6646.5	3360.5	1165.6	1427.6	1839.5	1897.8	1553.3	1333.4	1147.7	1213.2	1247.3
55°	6807.1	3180.1	1131.5	1386.4	1820.7	1803.6	1536.2	1360.3	1161.1	1119.9	1123.5
57.5°	7014.4	3120.9	1093.8	1321.8	1757.9	1666.3	1528.1	1386.4	1153.1	1127.0	1136.0
60°	7301.6	3183.7	1078.6	1237.4	1660.1	1558.7	1529.0	1372.9	1096.5	1051.7	1052.6
62.5°	7575.2	3253.7	1077.7	1184.5	1539.8	1462.6	1508.4	1328.9	1067.8	1041.8	1051.7
65°	7665.0	3182.8	1034.6	1125.2	1404.3	1347.8	1470.7	1282.3	1046.3	1006.8	1005.0
67.5°	7544.7	2963.0	947.6	1029.2	1249.1	1214.1	1421.4	1226.6	1012.2	979.9	974.5
70°	7187.6	2472.1	839.9	902.7	1072.3	1063.3	1343.3	1162.0	966.4	938.6	915.3
72.5°	6226.6	1761.5	708.0	751.1	873.1	901.8	1235.6	1077.7	901.8	841.7	805.8
75°	5113.9	1303.8	581.5	590.4	663.1	741.2	1087.6	979.0	825.5	723.2	695.4
77.5°	3131.7	797.7	463.0	466.6	475.6	591.3	895.5	868.6	728.6	603.0	583.3
80°	1014.0	435.2	334.7	351.8	324.8	433.4	692.7	739.4	625.4	504.3	482.8
82.5°	385.9	253.9	226.1	237.8	225.2	290.7	505.2	592.2	512.4	414.6	337.4
85°	186.6	143.6	133.7	149.9	139.1	149.0	323.0	436.1	388.5	270.1	251.3
87.5°	66.4	63.7	51.1	69.1	59.2	52.9	98.7	219.8	256.6	185.7	166.0
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)