

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: P318360

Luminaire Tested: **GAN-SA6B-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318360
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-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31133 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

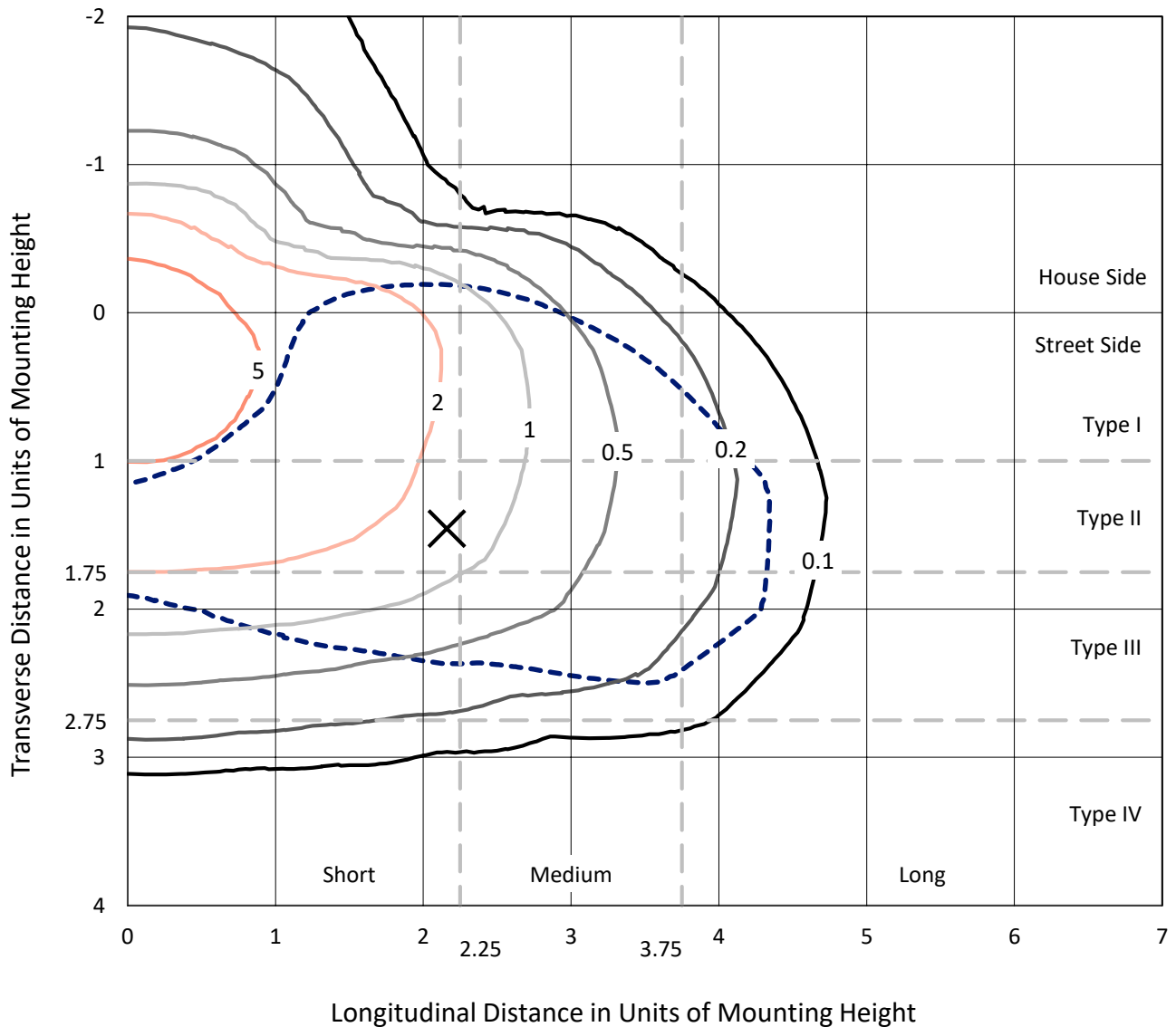
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

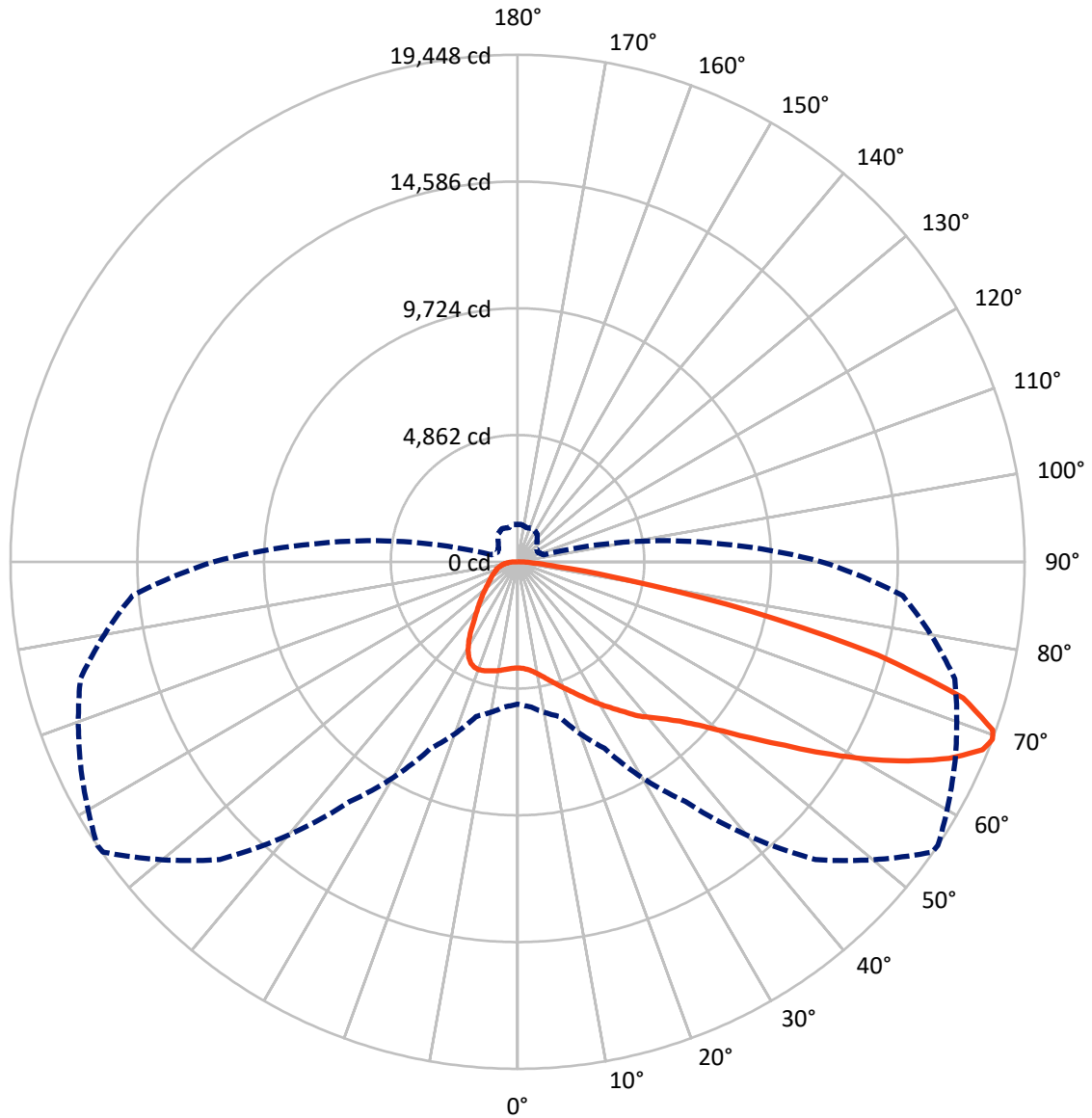
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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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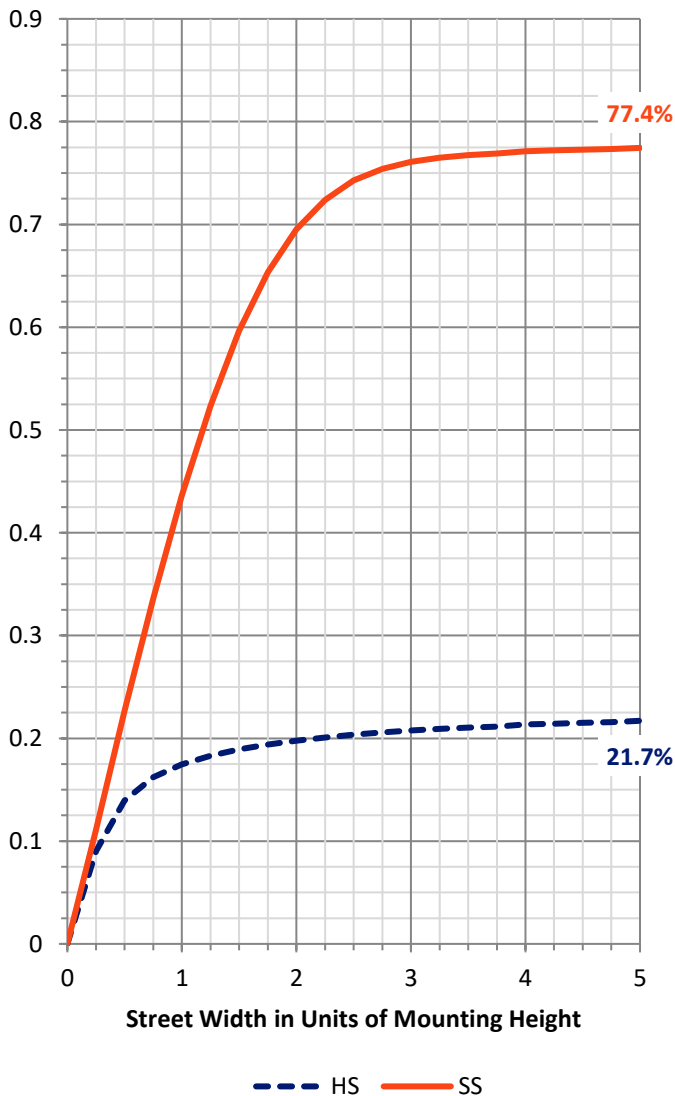
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6933.3	0.0	6933.3
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	24199.7	0.0	24199.7
	% Fixture	77.7	0.0	77.7
Total	Lumens	31133.0	0.0	31133.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.7	1.3
10°-20°	1285.5	4.1
20°-30°	2243.9	7.2
30°-40°	3223.3	10.4
40°-50°	4460.9	14.3
50°-60°	6535.8	21.0
60°-70°	7968.4	25.6
70°-80°	4405.4	14.2
80°-90°	610.2	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°	31133.0	100.0
0°-180°	31133.0	100.0



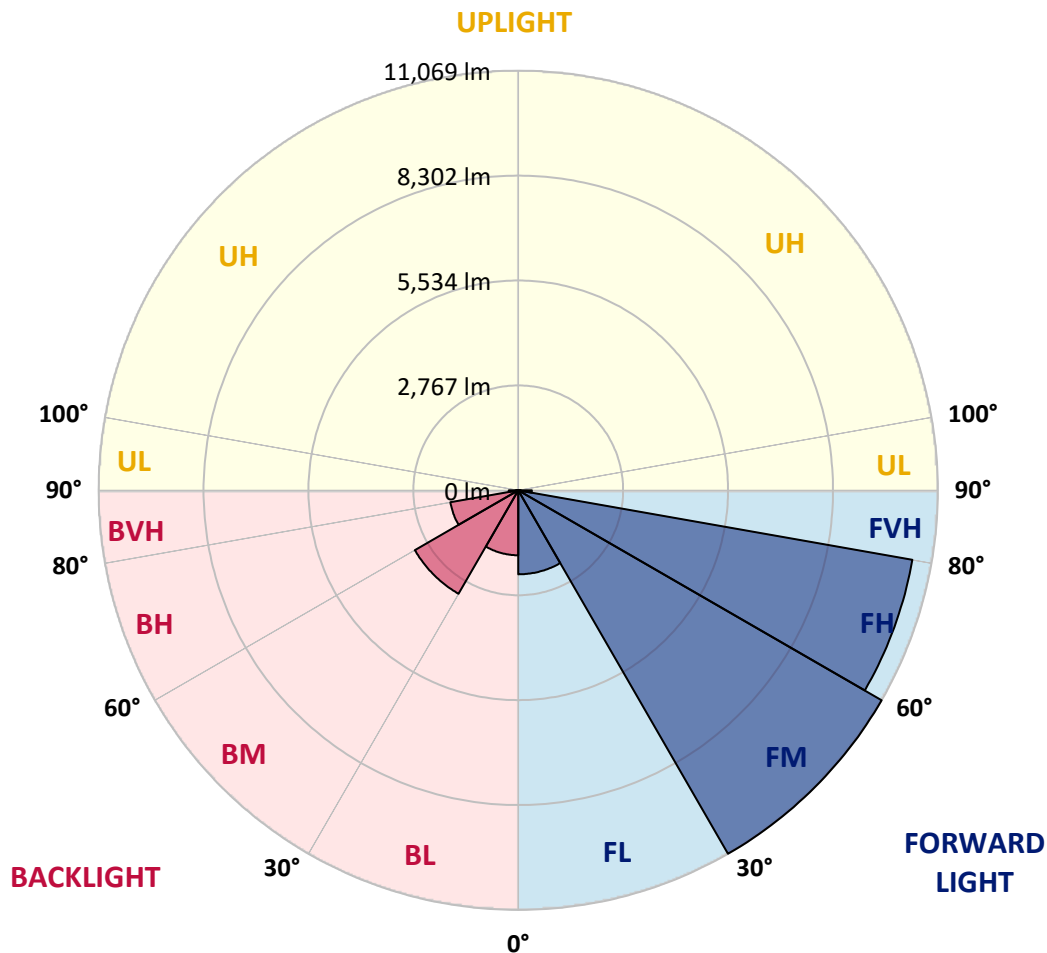
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2215.7	7.1			
FM (30°-60°)	11068.9	35.6			
FH (60°-80°)	10555.6	33.9			G4/12000
FVH (80°-90°)	359.4	1.2			G3/500
BL (0°-30°)	1713.4	5.5	B3/2500		
BM (30°-60°)	3151.0	10.1	B3/5000		
BH (60°-80°)	1818.1	5.8	B3/2500		G3/2500
BVH (80°-90°)	250.8	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2
2.5°	4095.9	4100.2	4097.0	4105.6	4095.9	4102.3	4097.0	4097.0	4093.8	4084.1	4073.4
5°	4160.3	4168.8	4163.5	4172.1	4160.3	4162.4	4152.8	4152.8	4143.1	4122.7	4101.3
7.5°	4261.1	4270.7	4266.4	4275.0	4258.9	4258.9	4246.1	4245.0	4225.7	4192.4	4167.8
10°	4381.2	4394.1	4389.8	4402.6	4389.8	4394.1	4381.2	4381.2	4355.5	4308.3	4277.2
12.5°	4556.0	4572.1	4560.3	4559.2	4553.9	4562.5	4551.7	4549.6	4526.0	4461.6	4418.7
15°	4789.8	4807.0	4782.3	4780.2	4750.1	4746.9	4746.9	4743.7	4728.7	4651.5	4580.7
17.5°	5059.0	5064.4	5042.9	5008.6	4970.0	4945.3	4942.1	4950.7	4950.7	4860.6	4748.0
20°	5322.9	5332.5	5315.4	5276.7	5227.4	5190.9	5165.2	5182.4	5181.3	5074.0	4914.2
22.5°	5610.3	5632.8	5607.1	5557.7	5499.8	5459.1	5414.0	5429.0	5430.1	5298.2	5077.3
25°	5982.5	5962.1	5946.0	5876.3	5793.7	5751.9	5710.0	5725.1	5720.8	5539.5	5245.6
27.5°	6311.7	6316.0	6294.6	6220.6	6125.1	6032.9	6030.7	6040.4	6024.3	5790.5	5404.4
30°	6694.6	6696.7	6666.7	6600.2	6496.2	6377.1	6349.3	6365.3	6331.0	6028.6	5571.7
32.5°	7075.3	7086.1	7052.8	6972.4	6888.7	6743.9	6688.2	6698.9	6613.1	6272.0	5744.4
35°	7408.9	7423.9	7413.2	7359.6	7268.4	7144.0	7077.5	7071.1	6964.9	6570.2	5972.8
37.5°	7748.9	7762.8	7751.0	7706.0	7669.5	7537.6	7502.2	7502.2	7317.7	6874.8	6263.5
40°	8098.5	8120.0	8106.0	8043.8	8012.7	7952.7	7867.9	7847.5	7648.1	7240.5	6737.5
42.5°	8423.5	8451.4	8507.1	8470.7	8407.4	8416.0	8245.4	8234.7	8088.9	7781.1	7332.7
45°	8884.7	8925.4	9019.8	8991.9	8979.0	8931.9	8729.1	8719.5	8663.7	8508.2	8071.7
47.5°	9387.7	9443.4	9614.0	9619.3	9757.7	9668.7	9393.0	9359.8	9372.7	9379.1	8973.7
50°	9851.0	9912.1	10192.1	10324.0	10650.0	10669.3	10228.5	10198.5	10248.9	10396.9	10024.7
52.5°	10221.0	10298.2	10647.9	11055.4	11614.2	11772.9	11257.1	11234.5	11272.1	11527.3	11213.1
55°	10492.4	10576.0	10956.8	11698.9	12591.3	12871.2	12441.1	12419.7	12443.2	12768.2	12505.5
57.5°	10555.6	10576.0	11128.4	12132.2	13416.0	14088.5	13890.1	13847.2	13731.3	14014.5	13931.9
60°	10258.5	10340.1	10986.8	12284.5	14054.2	15288.6	15404.4	15350.8	15025.8	15257.5	15191.0
62.5°	9655.8	9801.7	10458.0	12052.9	14304.1	16268.9	16889.9	16825.5	16265.7	16415.8	16096.2
65°	8671.2	8733.4	9423.1	11253.8	13986.6	16896.3	18214.4	18182.2	17477.6	17242.7	16263.5
67.5°	6910.2	7027.1	7612.7	9583.9	12687.8	16822.3	19238.7	19235.4	18269.1	17549.5	15670.4
69°	5459.1	5580.3	6138.0	7894.7	11227.0	16145.5	19410.3	19447.8	18492.2	17362.8	14823.1
70°	4352.2	4492.7	4875.6	6649.6	9930.4	15253.2	19267.6	19335.2	18449.3	17055.0	14041.3
72.5°	1852.2	1965.9	2238.3	3427.7	6052.2	11390.0	17617.0	17872.3	17455.1	15609.3	11604.5
75°	808.7	844.1	967.4	1397.5	2686.6	6199.1	13801.0	14272.9	14925.0	13194.0	8644.4
77.5°	592.0	607.0	674.6	820.5	1205.5	2341.3	8875.0	9149.6	10763.7	9601.1	5302.5
80°	458.0	468.7	521.2	602.7	787.2	947.0	4047.6	4283.6	6052.2	4931.4	2208.3
82.5°	364.7	372.2	408.6	444.0	543.8	573.8	1343.9	1490.8	2234.0	1362.1	584.5
85°	338.9	347.5	360.4	323.9	348.6	336.8	581.3	608.1	674.6	535.2	244.5
87.5°	153.4	181.3	357.1	252.0	185.5	148.0	238.1	248.8	279.9	281.0	108.3
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°	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2	4070.2
2.5°	4079.8	4076.6	4082.0	4069.1	4085.2	4084.1	4078.8	4080.9	4091.6	4090.5	4091.6
5°	4104.5	4102.3	4108.8	4099.1	4118.4	4124.9	4125.9	4135.6	4147.4	4150.6	4150.6
7.5°	4166.7	4166.7	4169.9	4157.0	4169.9	4168.8	4163.5	4173.1	4184.9	4186.0	4184.9
10°	4273.9	4275.0	4269.7	4236.4	4225.7	4196.7	4169.9	4171.0	4186.0	4197.8	4201.0
12.5°	4409.1	4404.8	4381.2	4320.1	4275.0	4216.0	4188.1	4187.1	4202.1	4211.7	4215.0
15°	4563.5	4551.7	4490.6	4390.9	4311.5	4253.6	4208.5	4197.8	4189.2	4178.5	4179.6
17.5°	4709.4	4682.6	4580.7	4442.3	4358.7	4281.5	4194.6	4124.9	4076.6	4048.7	4040.1
20°	4857.4	4804.8	4657.9	4490.6	4384.4	4243.9	4076.6	3935.0	3847.1	3806.3	3798.8
22.5°	4992.5	4907.8	4729.8	4541.0	4364.0	4117.4	3854.6	3648.7	3526.4	3471.7	3476.0
25°	5124.4	5006.5	4804.8	4576.4	4261.1	3894.3	3545.7	3292.6	3151.0	3089.9	3087.8
27.5°	5240.3	5106.2	4886.4	4547.4	4069.1	3576.8	3180.0	2933.3	2815.3	2762.8	2754.2
30°	5373.3	5231.7	4994.7	4437.0	3788.1	3210.0	2822.8	2649.1	2565.4	2512.9	2503.2
32.5°	5535.2	5402.2	5083.7	4236.4	3428.8	2827.1	2544.0	2422.8	2346.6	2287.7	2276.9
35°	5771.2	5627.5	5106.2	3949.0	3034.1	2524.7	2339.1	2214.7	2111.8	2035.6	2028.1
37.5°	6067.2	5909.5	5054.7	3576.8	2651.2	2328.4	2168.6	2015.2	1881.2	1773.9	1756.8
40°	6494.0	6255.9	4912.1	3147.8	2369.2	2177.2	2002.4	1827.6	1661.3	1535.8	1511.2
42.5°	7006.7	6662.4	4693.3	2721.0	2162.2	2023.8	1837.2	1620.6	1461.8	1372.8	1359.9
45°	7658.8	7085.0	4389.8	2347.7	1958.4	1870.5	1659.2	1459.7	1361.0	1295.6	1284.9
47.5°	8403.1	7559.0	4071.2	2044.2	1785.7	1726.7	1516.5	1387.8	1309.5	1258.1	1248.4
50°	9318.0	8094.2	3733.4	1795.4	1612.0	1554.1	1449.0	1348.1	1285.9	1246.3	1236.6
52.5°	10349.7	8698.0	3489.9	1599.1	1468.3	1426.4	1413.6	1326.7	1276.3	1246.3	1236.6
55°	11460.8	9312.6	3227.2	1433.9	1343.9	1355.7	1390.0	1328.8	1294.5	1258.1	1244.1
57.5°	12573.0	9947.5	2934.4	1294.5	1245.2	1303.1	1373.9	1333.1	1304.2	1268.8	1255.9
60°	13452.5	10349.7	2480.7	1177.6	1166.9	1245.2	1335.3	1301.0	1263.4	1264.5	1262.3
62.5°	13863.2	10328.3	1979.9	1073.6	1088.6	1166.9	1273.1	1250.5	1219.4	1261.3	1264.5
65°	13632.7	9813.5	1541.2	979.2	1004.9	1085.4	1208.7	1225.9	1236.6	1317.0	1327.8
67.5°	12665.3	8811.7	1193.7	896.6	928.8	1029.6	1215.2	1335.3	1349.2	1433.9	1432.9
69°	11664.6	7872.2	1037.1	853.7	891.3	1043.6	1298.8	1405.0	1352.4	1442.5	1429.7
70°	10825.9	7129.0	953.5	824.8	874.1	1068.2	1354.6	1403.9	1336.3	1413.6	1392.1
72.5°	8337.7	5128.7	808.7	771.1	816.2	1022.1	1370.7	1372.8	1298.8	1313.8	1277.4
75°	5718.6	3241.1	705.7	698.2	728.2	921.3	1319.2	1311.7	1201.2	1179.8	1149.7
77.5°	3153.2	1646.3	599.5	628.5	648.9	816.2	1199.1	1188.3	1097.2	1052.1	1041.4
80°	1216.2	720.7	506.2	558.8	571.6	706.8	1051.1	1041.4	965.3	907.3	891.3
82.5°	459.0	377.5	418.3	483.7	479.4	583.4	890.2	884.8	810.8	726.1	700.3
85°	212.4	226.3	331.4	399.0	367.9	432.2	712.1	721.8	631.7	530.9	530.9
87.5°	90.1	126.6	234.9	301.4	247.7	291.7	522.3	498.7	458.0	317.5	298.2
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)