

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: P268629

Luminaire Tested: **GAN-AF-06-LED-U-T3R-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P268629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P40129)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-06-LED-U-T3R-7027  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 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: 31624.3 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B3 - U0 - G4

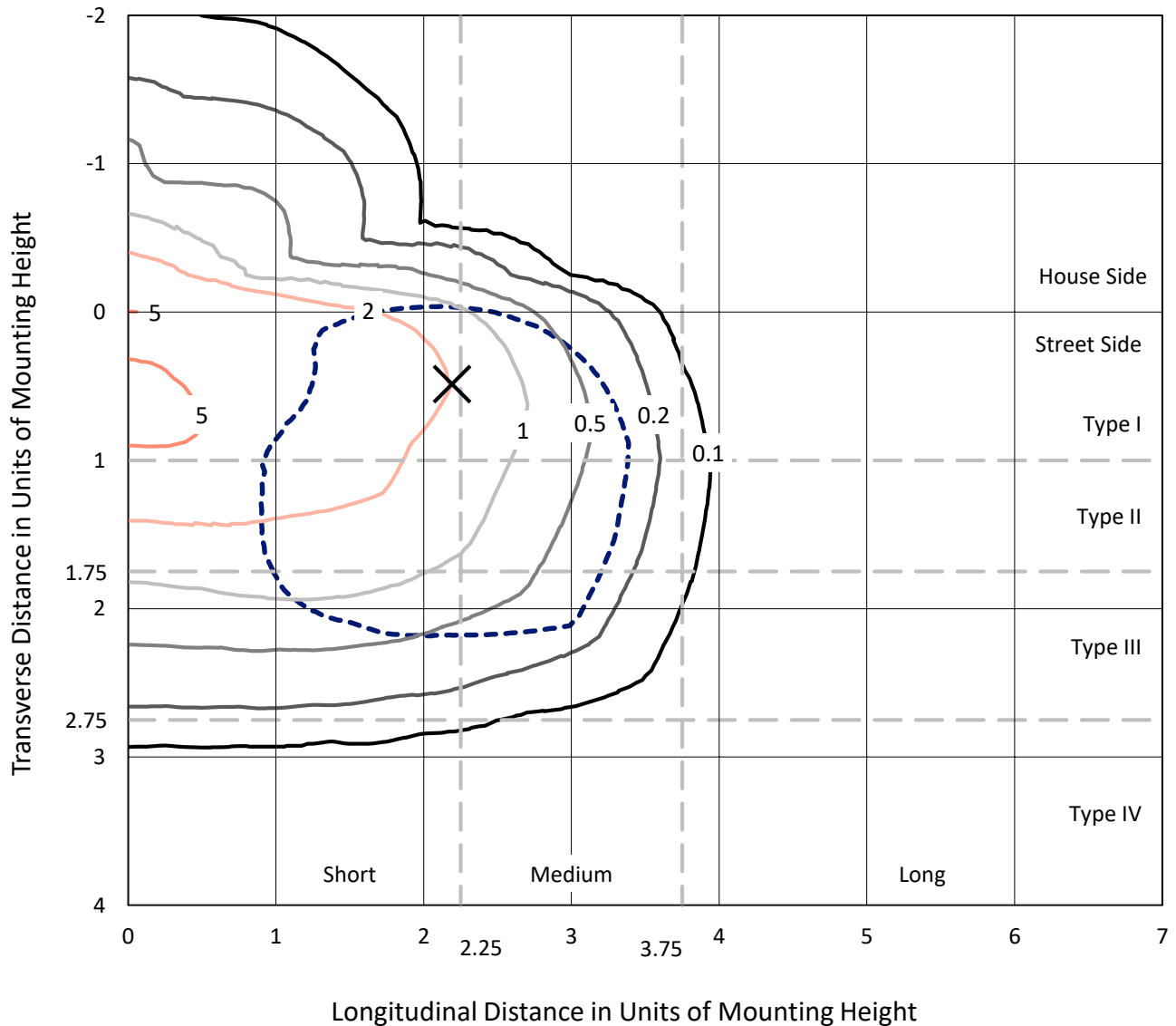
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

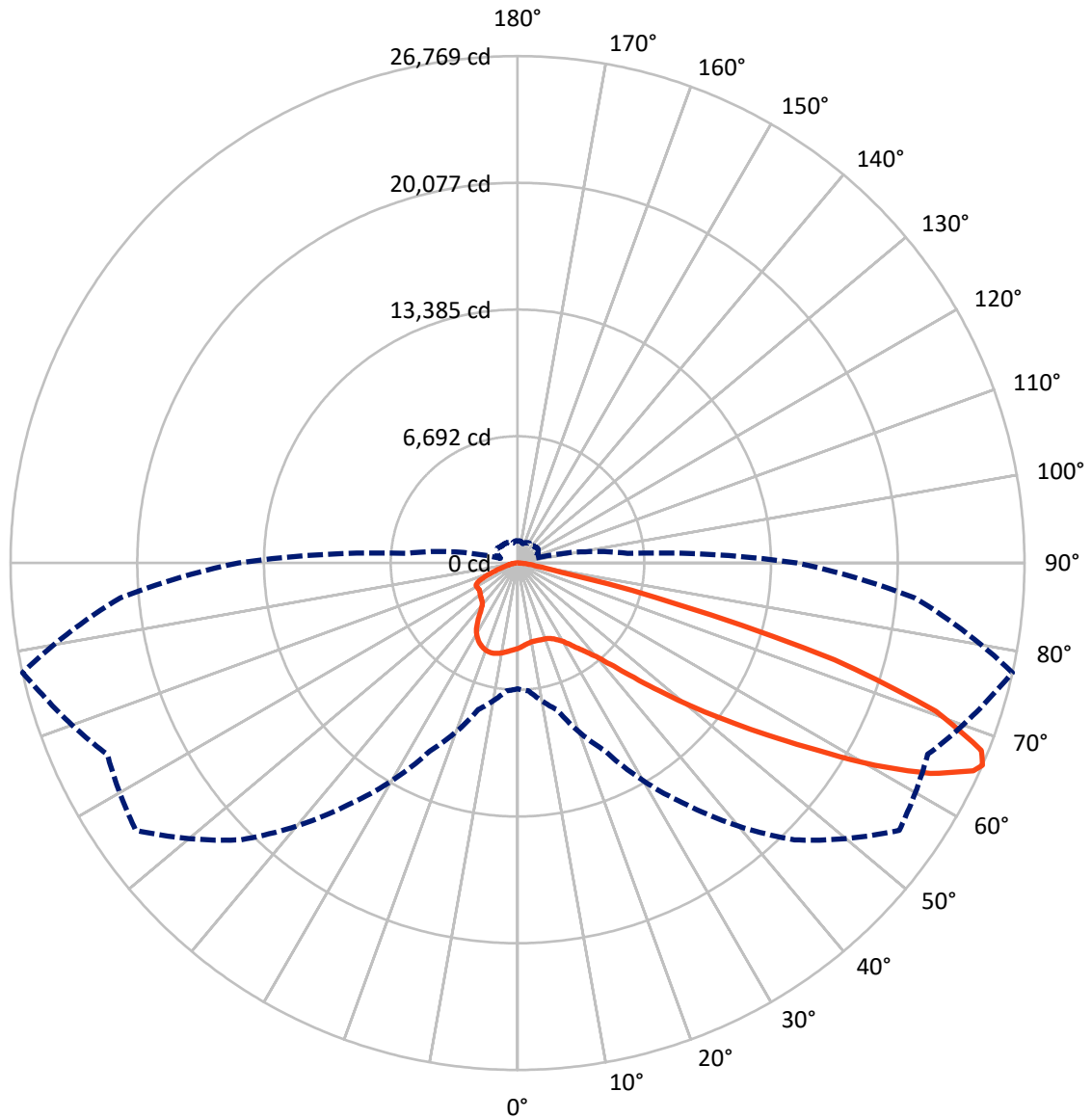
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc  
 Type III - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5402.8	0.0	5402.8
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	26221.5	0.0	26221.5
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	31624.3	0.0	31624.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.6	1.3
10°-20°	1135.9	3.6
20°-30°	1938.6	6.1
30°-40°	3103.3	9.8
40°-50°	4794.3	15.2
50°-60°	6799.9	21.5
60°-70°	9096.5	28.8
70°-80°	3950.4	12.5
80°-90°	402.8	1.3
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°	31624.3	100.0
0°-180°	31624.3	100.0



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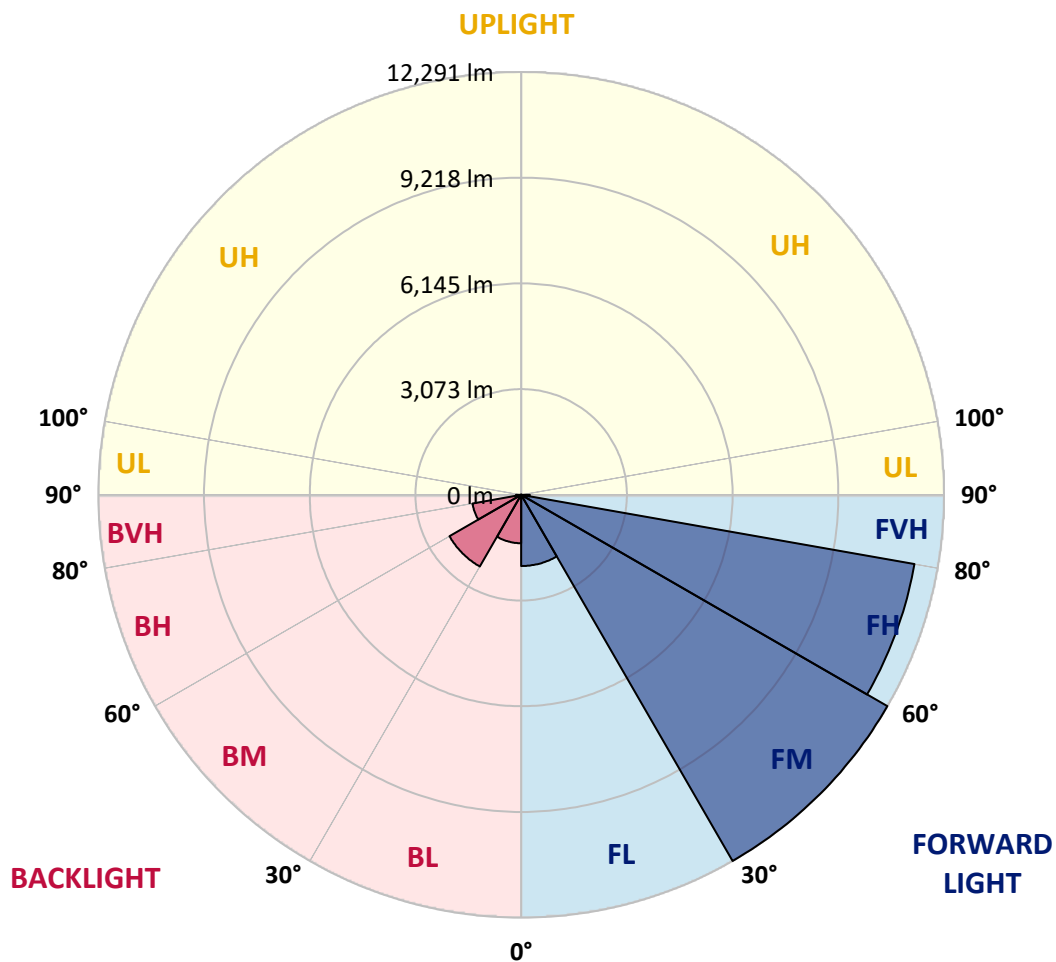
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2070.0	6.5			
FM	(30°-60°)	12290.9	38.9			
FH	(60°-80°)	11608.1	36.7			G4/12000
FVH	(80°-90°)	252.6	0.8			G3/500
BL	(0°-30°)	1407.1	4.4	B3/2500		
BM	(30°-60°)	2406.6	7.6	B2/2500		
BH	(60°-80°)	1438.9	4.5	B3/2500		G3/2500
BVH	(80°-90°)	150.2	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5
2.5°	3986.6	4013.4	4035.9	4056.8	4098.6	4167.4	4246.6	4310.8	4403.5	4421.5	4470.8
5°	3620.4	3620.4	3638.4	3669.8	3726.6	3829.7	3937.4	4080.8	4282.5	4330.3	4461.8
7.5°	3442.8	3444.2	3454.7	3481.7	3530.9	3625.0	3743.1	3911.8	4185.4	4264.6	4488.7
10°	3508.5	3493.5	3471.1	3457.7	3465.1	3520.4	3632.4	3820.9	4125.6	4227.2	4548.5
12.5°	3876.0	3847.7	3769.9	3666.8	3568.2	3528.0	3593.6	3777.5	4100.1	4218.3	4627.7
15°	4476.8	4464.8	4319.8	4106.2	3867.1	3666.8	3622.1	3761.1	4103.2	4228.7	4721.9
17.5°	5229.8	5213.5	5022.2	4711.3	4321.3	3931.3	3722.1	3774.5	4113.6	4246.6	4812.8
20°	5990.3	5939.7	5733.4	5362.8	4862.3	4291.5	3888.0	3808.9	4127.1	4266.1	4908.6
22.5°	6558.2	6516.3	6331.1	5970.9	5394.2	4708.3	4110.6	3868.6	4170.4	4322.9	5026.6
25°	7057.3	7060.3	6876.4	6528.3	5932.0	5150.6	4397.6	4028.4	4281.1	4439.3	5188.0
27.5°	7674.4	7638.6	7466.7	7121.6	6464.1	5597.3	4744.2	4248.2	4445.4	4605.3	5400.3
30°	8412.5	8387.1	8188.4	7796.8	7054.3	6077.0	5140.2	4503.7	4657.5	4823.4	5678.0
32.5°	9280.7	9268.7	9062.6	8559.1	7735.7	6641.9	5604.9	4841.3	4974.4	5146.1	6077.0
35°	10299.7	10301.3	10057.8	9452.5	8481.3	7299.4	6132.3	5276.1	5359.8	5539.0	6552.2
37.5°	10927.3	11003.6	10912.4	10295.3	9325.6	8034.5	6816.7	5852.9	5799.1	5979.9	7061.8
40°	11061.8	11154.4	11442.9	11129.1	10270.0	8844.4	7423.4	6407.3	6340.1	6561.2	7717.7
42.5°	10873.5	11002.0	11611.8	11832.8	11272.6	9842.5	8239.3	7230.5	7145.5	7442.7	8533.5
45°	10761.4	10857.2	11562.4	12199.0	12142.2	10970.7	9277.8	8264.6	8233.2	8623.2	9475.0
47.5°	10567.2	10653.9	11332.3	12284.1	12653.2	12004.7	10525.4	9528.7	9589.9	10101.0	10537.4
50°	10671.9	10707.6	11075.3	12067.4	12801.0	12762.3	11919.5	10993.1	11202.3	11840.3	11740.2
52.5°	10657.0	10749.6	11045.4	11711.8	12820.5	13230.0	13292.7	12626.2	13067.0	13799.3	13074.7
55°	8615.7	8786.1	10694.2	11622.2	12889.3	13688.7	14515.1	14347.6	15169.5	16022.7	14580.7
57.5°	8227.2	8334.8	9392.8	11810.5	13253.9	14564.3	15874.8	16242.3	17617.0	18607.8	16415.6
60°	8151.0	8284.0	9379.4	12040.5	13993.4	15991.3	17890.5	18535.9	20595.0	21679.9	18543.4
62.5°	7913.4	8056.9	9291.2	12010.7	15043.9	17965.3	20471.0	20974.5	23419.2	24474.1	20323.2
65°	7160.4	7294.9	8572.4	11527.9	15752.1	20072.1	23525.3	23210.0	25648.5	26442.0	21210.7
66°	6644.9	6776.4	8006.1	10960.2	15587.8	20669.8	24607.1	23901.8	26147.7	26769.2	21037.3
67.5°	5702.0	5805.0	6906.3	9688.6	14713.8	20837.2	25517.1	24421.9	26200.0	26419.6	20046.7
70°	3602.7	3632.4	4488.7	6688.2	11138.1	18071.4	24131.9	23130.7	24039.3	23444.5	16805.8
72.5°	1563.1	1552.5	2154.7	3402.4	6305.7	12125.7	19520.7	19085.8	18857.3	17500.5	11764.2
75°	869.6	881.5	1119.2	1579.4	2562.7	5956.0	12769.8	12219.9	10317.8	8804.1	5334.4
77.5°	697.9	714.2	927.9	1120.6	1150.5	2077.1	5975.4	4862.3	2927.1	2349.0	1482.3
80°	551.4	581.3	809.9	872.7	775.4	856.3	1930.5	1543.6	1158.0	1062.3	768.1
82.5°	436.2	457.2	694.7	660.4	542.3	576.8	925.0	901.0	753.0	685.9	443.9
85°	313.8	352.7	570.9	497.7	355.5	388.4	614.1	588.7	431.8	352.7	195.7
87.5°	128.5	167.4	403.5	330.2	198.7	180.7	306.3	288.4	204.8	149.4	97.1
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°	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5	4506.5
2.5°	4502.1	4538.0	4584.3	4612.6	4627.7	4638.0	4654.6	4653.0	4657.5	4659.0	4665.0
5°	4531.9	4591.7	4659.0	4676.9	4676.9	4660.5	4644.1	4617.2	4606.7	4603.8	4606.7
7.5°	4609.7	4675.5	4733.8	4712.8	4668.0	4602.2	4517.0	4442.4	4402.1	4388.6	4385.5
10°	4708.3	4787.5	4811.4	4732.2	4600.8	4442.4	4273.4	4151.0	4080.8	4061.3	4055.4
12.5°	4827.9	4902.6	4869.7	4702.4	4458.7	4203.3	3970.1	3774.5	3628.1	3581.7	3578.7
15°	4959.4	5017.7	4902.6	4609.7	4246.6	3870.1	3454.7	3116.9	2934.8	2876.5	2871.9
17.5°	5081.9	5111.7	4883.1	4448.3	3934.3	3324.6	2773.2	2513.3	2450.5	2465.5	2468.5
20°	5186.5	5186.5	4817.4	4216.7	3442.8	2606.0	2257.8	2253.3	2298.1	2343.0	2351.9
22.5°	5301.5	5232.7	4702.4	3889.5	2746.4	2132.2	2081.5	2123.4	2174.1	2223.5	2230.9
25°	5443.5	5270.1	4542.5	3393.3	2159.2	1936.6	1956.0	1990.4	2015.7	2047.1	2051.5
27.5°	5601.9	5318.0	4331.7	2710.5	1873.8	1813.9	1828.9	1840.8	1837.9	1849.9	1852.8
30°	5791.6	5373.3	4043.5	2118.8	1755.7	1709.5	1682.5	1672.0	1672.0	1691.5	1699.0
32.5°	6045.7	5455.4	3629.5	1815.6	1699.0	1634.6	1548.0	1509.2	1524.2	1589.9	1604.8
35°	6325.1	5543.6	3069.1	1712.3	1686.9	1600.3	1465.9	1394.1	1395.5	1457.0	1476.4
37.5°	6629.9	5655.6	2455.1	1692.9	1713.8	1601.8	1422.6	1323.9	1283.6	1283.6	1291.0
40°	7020.0	5770.7	1987.3	1706.4	1770.6	1619.7	1400.1	1268.5	1155.0	1158.0	1164.1
42.5°	7527.9	5869.3	1736.3	1734.7	1839.4	1643.7	1398.7	1195.4	1096.8	1164.1	1225.3
45°	8092.8	5918.7	1625.8	1760.1	1894.6	1658.6	1374.6	1183.4	1104.2	1304.5	1420.9
47.5°	8742.8	5890.2	1564.5	1769.2	1908.1	1658.6	1347.7	1211.9	1156.6	1510.7	1646.7
50°	9455.5	5808.1	1504.8	1751.2	1903.7	1655.7	1373.1	1240.2	1176.1	1546.5	1640.7
52.5°	10293.8	5739.4	1441.9	1712.3	1872.2	1639.1	1403.2	1228.3	1114.6	1406.0	1471.9
55°	11250.2	5758.8	1371.7	1657.2	1823.0	1607.7	1392.6	1180.5	1050.5	1238.8	1279.0
57.5°	12472.3	5990.3	1288.0	1586.9	1755.7	1555.4	1355.3	1158.0	1031.1	1123.7	1147.6
60°	13836.7	6393.9	1183.4	1516.7	1672.0	1471.9	1326.8	1168.4	1040.0	1114.6	1126.7
62.5°	14837.8	6628.5	1093.7	1413.6	1558.5	1379.2	1291.0	1181.9	1064.0	1146.1	1143.2
65°	15109.8	6243.0	981.7	1262.7	1404.6	1282.1	1246.2	1196.9	1074.4	1171.5	1158.0
66°	14728.7	5827.6	932.4	1192.4	1326.8	1234.2	1223.9	1195.4	1069.9	1174.4	1152.0
67.5°	13803.7	4975.8	847.2	1089.4	1202.9	1162.4	1187.9	1181.9	1057.9	1171.5	1140.0
70°	11257.6	3395.0	724.8	907.0	1001.2	1023.6	1119.2	1134.1	1019.0	1119.2	1050.5
72.5°	7865.6	2068.0	641.0	703.8	809.9	872.7	1025.1	1068.4	966.8	977.3	911.5
75°	3801.4	1098.3	581.3	545.5	629.1	729.2	911.5	978.8	884.7	817.4	793.5
77.5°	1185.0	670.9	493.1	439.4	493.1	588.7	762.0	857.7	787.5	684.4	675.3
80°	636.5	493.1	379.5	352.7	390.0	461.6	599.2	715.7	677.0	614.1	548.3
82.5°	419.9	319.7	280.9	273.4	297.3	352.7	445.3	593.2	593.2	526.0	382.5
85°	216.8	195.7	192.7	192.7	207.7	234.5	303.4	457.2	487.2	277.9	230.1
87.5°	107.5	112.1	104.7	109.1	116.5	115.1	144.9	230.1	274.9	168.8	140.4
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)