

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: P194016

Luminaire Tested: **GAN-AF-08-LED-U-T3R-8030-600-ADJ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P194016  
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-08-LED-U-T3R-8030-600-ADJ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26224 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short - Full Cutoff  
BUG Rating: B3 - U0 - G4

Input Watts (W): 257  
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

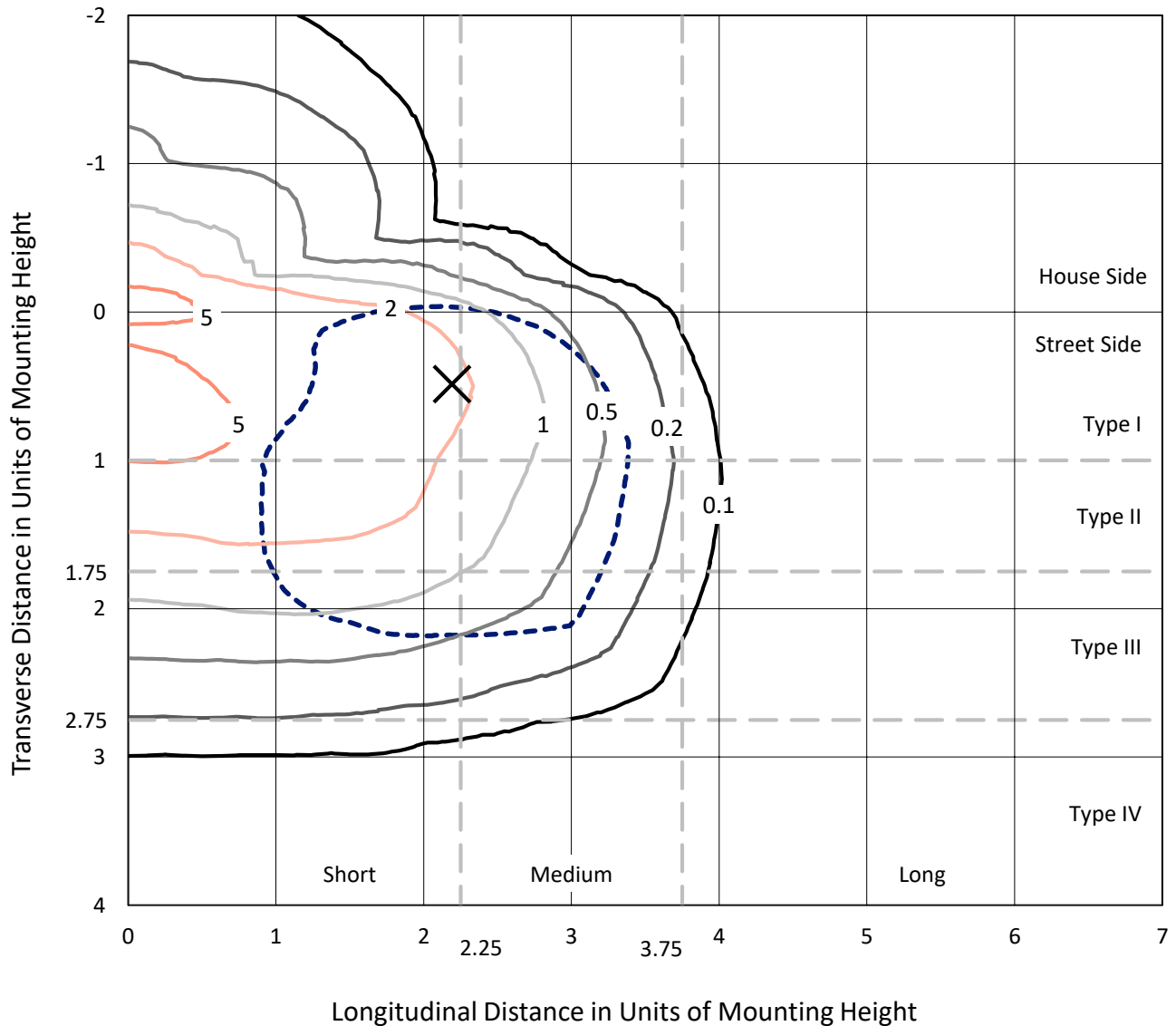


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

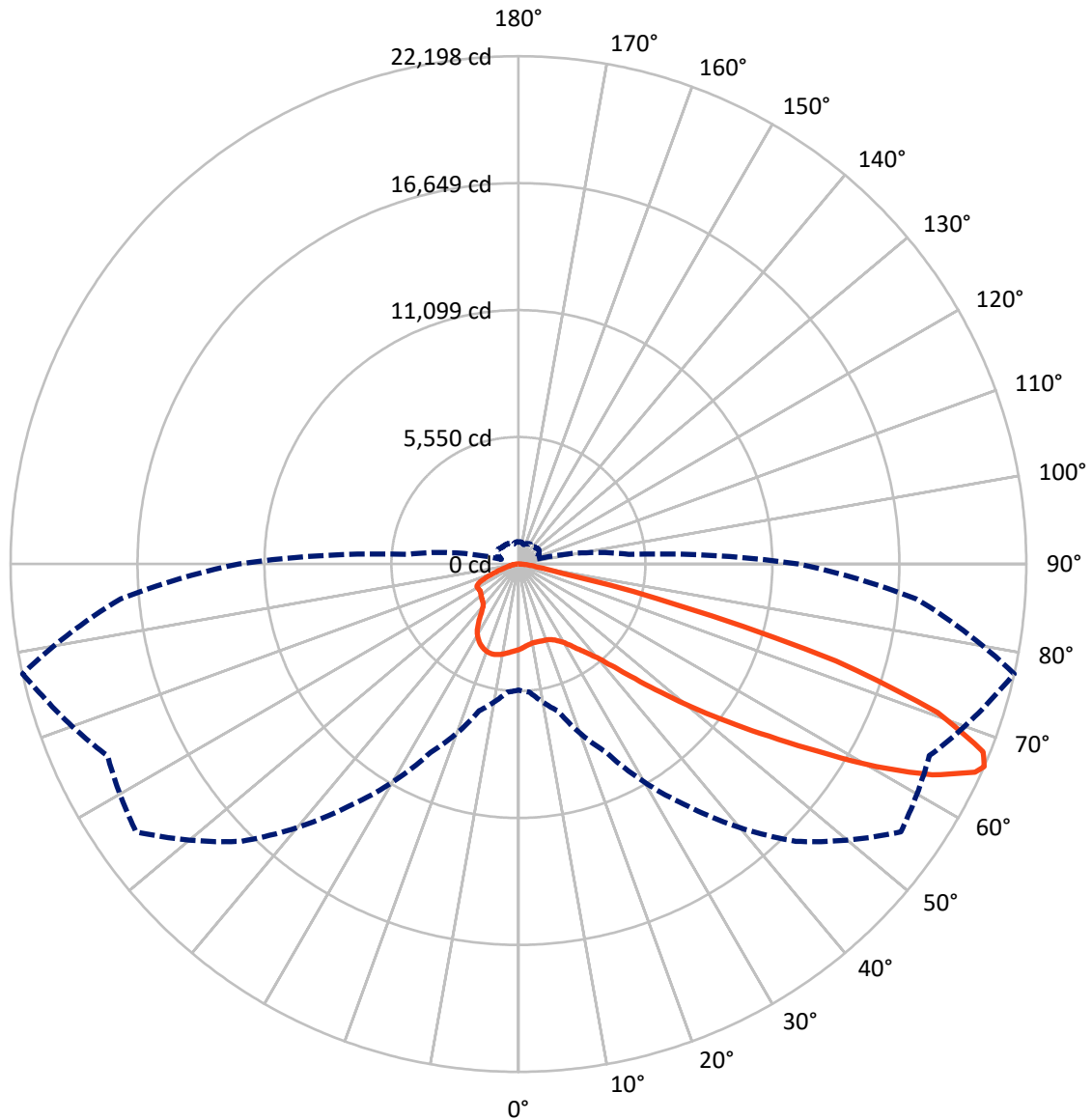


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type III - Short - Full Cutoff

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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	4480.2	0.0	4480.2
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	21743.8	0.0	21743.8
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	26224.0	0.0	26224.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.9	1.3
10°-20°	941.9	3.6
20°-30°	1607.5	6.1
30°-40°	2573.4	9.8
40°-50°	3975.6	15.2
50°-60°	5638.8	21.5
60°-70°	7543.1	28.8
70°-80°	3275.8	12.5
80°-90°	334.0	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°	26224.0	100.0
0°-180°	26224.0	100.0

**Coefficient of Utilization**



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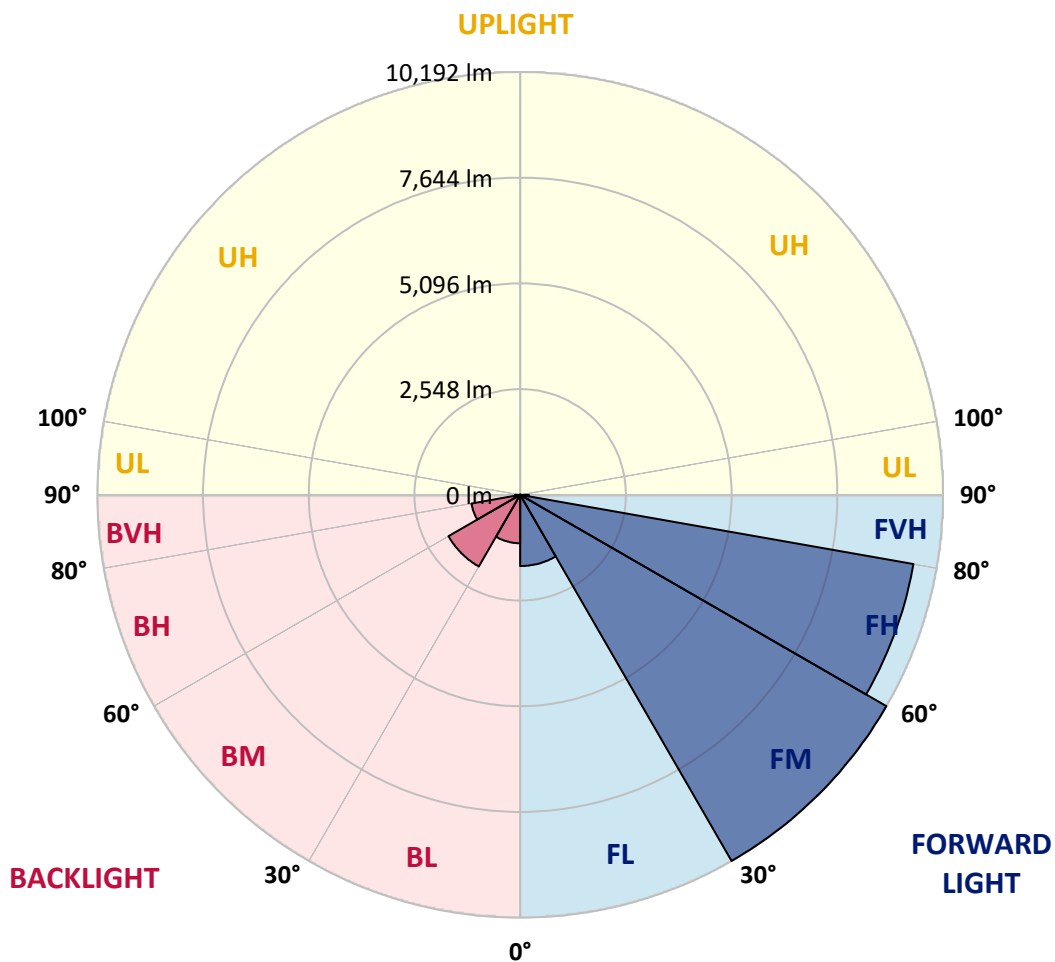
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1716.5	6.5			
FM	(30°-60°)	10192.0	38.9			
FH	(60°-80°)	9625.8	36.7			G4/12000
FVH	(80°-90°)	209.5	0.8			G2/225
BL	(0°-30°)	1166.8	4.4	B3/2500		
BM	(30°-60°)	1995.7	7.6	B2/2500		
BH	(60°-80°)	1193.2	4.5	B3/2500		G3/2500
BVH	(80°-90°)	124.5	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°	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0
2.5°	3305.8	3328.2	3346.7	3364.1	3398.8	3455.8	3521.4	3574.7	3651.5	3666.4	3707.3
5°	3002.3	3002.3	3017.1	3043.2	3090.2	3175.7	3265.0	3383.9	3551.2	3590.8	3699.9
7.5°	2854.8	2856.1	2864.7	2887.0	2927.9	3006.0	3103.9	3243.9	3470.6	3536.3	3722.2
10°	2909.3	2897.0	2878.4	2867.2	2873.4	2919.3	3012.2	3168.3	3421.1	3505.3	3771.7
12.5°	3214.2	3190.6	3126.2	3040.7	2958.9	2925.5	2980.0	3132.4	3400.0	3497.9	3837.4
15°	3712.3	3702.4	3582.2	3405.0	3206.7	3040.7	3003.5	3118.7	3402.5	3506.6	3915.5
17.5°	4336.8	4323.1	4164.5	3906.8	3583.4	3260.0	3086.5	3129.9	3411.2	3521.4	3991.1
20°	4967.4	4925.3	4754.3	4447.0	4031.9	3558.6	3224.1	3158.4	3422.3	3537.6	4070.4
22.5°	5438.3	5403.6	5250.0	4951.3	4473.1	3904.3	3408.7	3208.0	3458.3	3584.6	4168.2
25°	5852.1	5854.6	5702.2	5413.5	4919.1	4271.1	3646.6	3340.5	3549.9	3681.3	4302.1
27.5°	6363.9	6334.1	6191.6	5905.4	5360.2	4641.6	3934.1	3522.7	3686.2	3818.8	4478.0
30°	6976.0	6954.9	6790.1	6465.5	5849.7	5039.3	4262.4	3734.6	3862.2	3999.7	4708.5
32.5°	7695.9	7686.0	7515.0	7097.4	6414.7	5507.7	4647.8	4014.6	4124.9	4267.4	5039.3
35°	8540.9	8542.2	8340.2	7838.4	7033.0	6052.9	5085.2	4375.2	4444.6	4593.2	5433.3
37.5°	9061.3	9124.5	9049.0	8537.2	7733.1	6662.5	5652.7	4853.4	4808.8	4958.8	5855.9
40°	9172.9	9249.7	9488.8	9228.6	8516.1	7334.1	6155.7	5313.1	5257.4	5440.8	6399.8
42.5°	9016.7	9123.3	9628.8	9812.2	9347.6	8161.8	6832.2	5995.9	5925.2	6171.8	7076.3
45°	8923.8	9003.1	9587.9	10115.8	10068.7	9097.3	7693.4	6853.3	6827.3	7150.7	7857.0
47.5°	8762.7	8834.6	9397.1	10186.4	10492.5	9954.7	8728.0	7901.6	7952.4	8376.1	8737.9
50°	8849.5	8879.2	9184.0	10006.8	10615.1	10582.9	9884.1	9115.9	9289.3	9818.4	9735.4
52.5°	8837.1	8913.9	9159.2	9711.9	10631.2	10970.8	11022.8	10470.2	10835.7	11442.8	10841.9
55°	7144.5	7285.8	8868.0	9637.5	10688.2	11351.1	12036.4	11897.6	12579.1	13286.6	12090.9
57.5°	6822.3	6911.6	7788.8	9793.6	10990.6	12077.2	13163.9	13468.7	14608.7	15430.2	13612.5
60°	6759.1	6869.4	7777.7	9984.5	11603.9	13260.6	14835.4	15370.7	17078.1	17977.7	15376.9
62.5°	6562.1	6681.1	7704.6	9959.7	12475.0	14897.4	16975.3	17392.9	19420.0	20294.8	16852.6
65°	5937.6	6049.2	7108.6	9559.4	13062.3	16644.5	19508.0	19246.5	21268.7	21926.6	17588.6
66°	5510.2	5619.2	6639.0	9088.6	12926.0	17140.1	20405.1	19820.2	21682.5	22198.0	17444.9
67.5°	4728.3	4813.8	5727.0	8034.2	12201.2	17278.9	21159.7	20251.4	21725.9	21908.1	16623.4
70°	2987.4	3012.2	3722.2	5546.1	9236.1	14985.4	20011.0	19180.9	19934.2	19441.1	13935.9
72.5°	1296.1	1287.4	1786.7	2821.4	5228.9	10055.1	16187.3	15826.7	15637.1	14512.0	9755.2
75°	721.1	731.1	928.1	1309.7	2125.0	4938.9	10589.1	10133.1	8555.8	7300.6	4423.5
77.5°	578.6	592.3	769.5	929.3	954.1	1722.3	4955.1	4031.9	2427.3	1947.8	1229.2
80°	457.2	482.0	671.6	723.6	643.1	710.0	1600.9	1280.0	960.3	881.0	636.9
82.5°	361.8	379.2	576.2	547.7	449.8	478.3	767.0	747.2	624.5	568.7	368.0
85°	260.2	292.4	473.3	412.6	294.9	322.2	509.3	488.2	358.1	292.4	162.3
87.5°	106.6	138.8	334.5	273.8	164.8	149.9	254.0	239.1	169.8	123.9	80.5
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°	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0	3737.0
2.5°	3733.3	3763.1	3801.5	3825.0	3837.4	3846.1	3859.7	3858.5	3862.2	3863.4	3868.4
5°	3758.1	3807.7	3863.4	3878.3	3878.3	3864.7	3851.0	3828.7	3820.1	3817.6	3820.1
7.5°	3822.5	3877.1	3925.4	3908.0	3870.9	3816.3	3745.7	3683.8	3650.3	3639.2	3636.7
10°	3904.3	3970.0	3989.8	3924.1	3815.1	3683.8	3543.7	3442.1	3383.9	3367.8	3362.8
12.5°	4003.4	4065.4	4038.1	3899.4	3697.4	3485.5	3292.2	3129.9	3008.5	2970.1	2967.6
15°	4112.5	4160.8	4065.4	3822.5	3521.4	3209.2	2864.7	2584.7	2433.5	2385.2	2381.5
17.5°	4214.1	4238.9	4049.3	3688.7	3262.5	2756.9	2299.7	2084.1	2032.1	2044.5	2046.9
20°	4300.8	4300.8	3994.8	3496.7	2854.8	2160.9	1872.2	1868.5	1905.7	1942.9	1950.3
22.5°	4396.2	4339.2	3899.4	3225.3	2277.4	1768.2	1726.0	1760.7	1802.9	1843.7	1849.9
25°	4513.9	4370.2	3766.8	2813.9	1790.5	1605.8	1621.9	1650.4	1671.5	1697.5	1701.2
27.5°	4645.3	4409.9	3592.1	2247.7	1553.8	1504.2	1516.6	1526.5	1524.1	1534.0	1536.5
30°	4802.6	4455.7	3352.9	1757.0	1455.9	1417.5	1395.2	1386.5	1386.5	1402.6	1408.8
32.5°	5013.3	4523.9	3009.7	1505.5	1408.8	1355.5	1283.7	1251.5	1263.9	1318.4	1330.8
35°	5245.0	4597.0	2545.1	1420.0	1398.9	1327.0	1215.5	1156.1	1157.3	1208.1	1224.2
37.5°	5497.8	4689.9	2035.8	1403.9	1421.2	1328.3	1179.6	1097.8	1064.4	1064.4	1070.6
40°	5821.2	4785.3	1648.0	1415.0	1468.3	1343.2	1161.0	1052.0	957.8	960.3	965.2
42.5°	6242.5	4867.1	1439.8	1438.6	1525.3	1363.0	1159.8	991.3	909.5	965.2	1016.0
45°	6710.8	4908.0	1348.1	1459.6	1571.1	1375.4	1139.9	981.3	915.7	1081.7	1178.4
47.5°	7249.8	4884.4	1297.3	1467.1	1582.3	1375.4	1117.6	1004.9	959.0	1252.7	1365.5
50°	7840.9	4816.3	1247.7	1452.2	1578.6	1372.9	1138.7	1028.4	975.2	1282.4	1360.5
52.5°	8536.0	4759.3	1195.7	1420.0	1552.6	1359.3	1163.5	1018.5	924.3	1166.0	1220.5
55°	9329.0	4775.4	1137.5	1374.1	1511.7	1333.2	1154.8	978.9	871.1	1027.2	1060.6
57.5°	10342.5	4967.4	1068.1	1315.9	1455.9	1289.9	1123.8	960.3	855.0	931.8	951.6
60°	11473.8	5302.0	981.3	1257.7	1386.5	1220.5	1100.3	969.0	862.4	924.3	934.3
62.5°	12304.0	5496.5	907.0	1172.2	1292.4	1143.7	1070.6	980.1	882.2	950.4	947.9
65°	12529.5	5176.8	814.1	1047.0	1164.7	1063.1	1033.4	992.5	890.9	971.4	960.3
66°	12213.5	4832.4	773.2	988.8	1100.3	1023.5	1014.8	991.3	887.2	973.9	955.3
67.5°	11446.6	4126.1	702.6	903.3	997.5	964.0	985.1	980.1	877.3	971.4	945.4
70°	9335.2	2815.2	601.0	752.1	830.2	848.8	928.1	940.5	845.0	928.1	871.1
72.5°	6522.5	1714.9	531.6	583.6	671.6	723.6	850.0	885.9	801.7	810.4	755.8
75°	3152.2	910.7	482.0	452.3	521.6	604.7	755.8	811.6	733.5	677.8	657.9
77.5°	982.6	556.3	408.9	364.3	408.9	488.2	631.9	711.2	653.0	567.5	560.1
80°	527.8	408.9	314.7	292.4	323.4	382.9	496.9	593.5	561.3	509.3	454.7
82.5°	348.2	265.2	232.9	226.8	246.6	292.4	369.2	491.9	491.9	436.2	317.2
85°	179.7	162.3	159.8	159.8	172.2	194.5	251.5	379.2	403.9	230.5	190.8
87.5°	89.2	92.9	86.7	90.5	96.6	95.4	120.2	190.8	228.0	140.0	116.5
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)