

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: P319000

Luminaire Tested: **GAN-SA6B-730-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30908 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

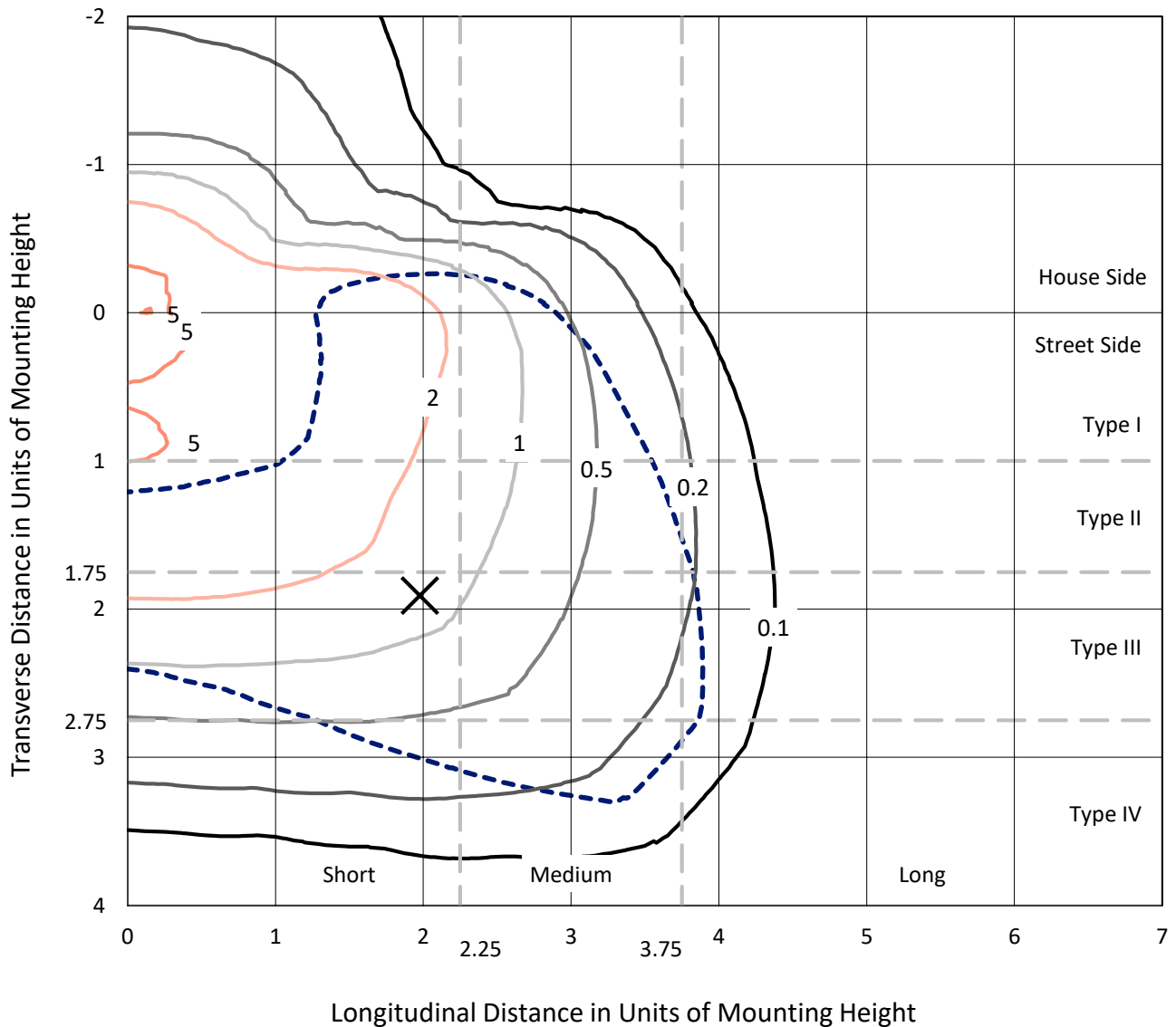
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

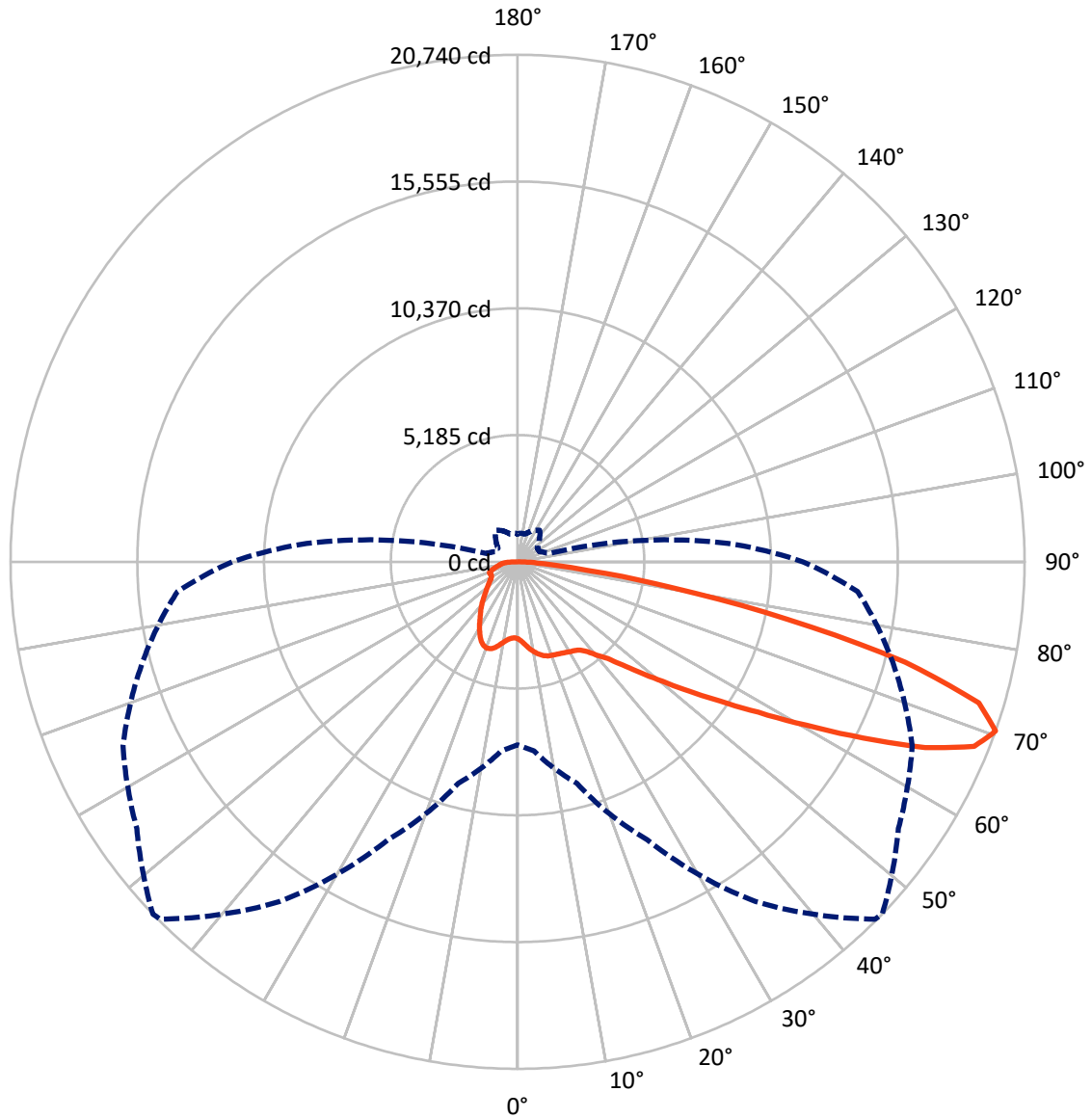
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7084.0	0.0	7084.0
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	23824.0	0.0	23824.0
	% Fixture	77.1	0.0	77.1
Total	Lumens	30908.0	0.0	30908.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.0	1.0
10°-20°	1069.5	3.5
20°-30°	1783.3	5.8
30°-40°	2530.6	8.2
40°-50°	3722.4	12.0
50°-60°	6303.8	20.4
60°-70°	8948.1	29.0
70°-80°	5436.1	17.6
80°-90°	793.3	2.6
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°	30908.0	100.0
0°-180°	30908.0	100.0

Coefficient of Utilization



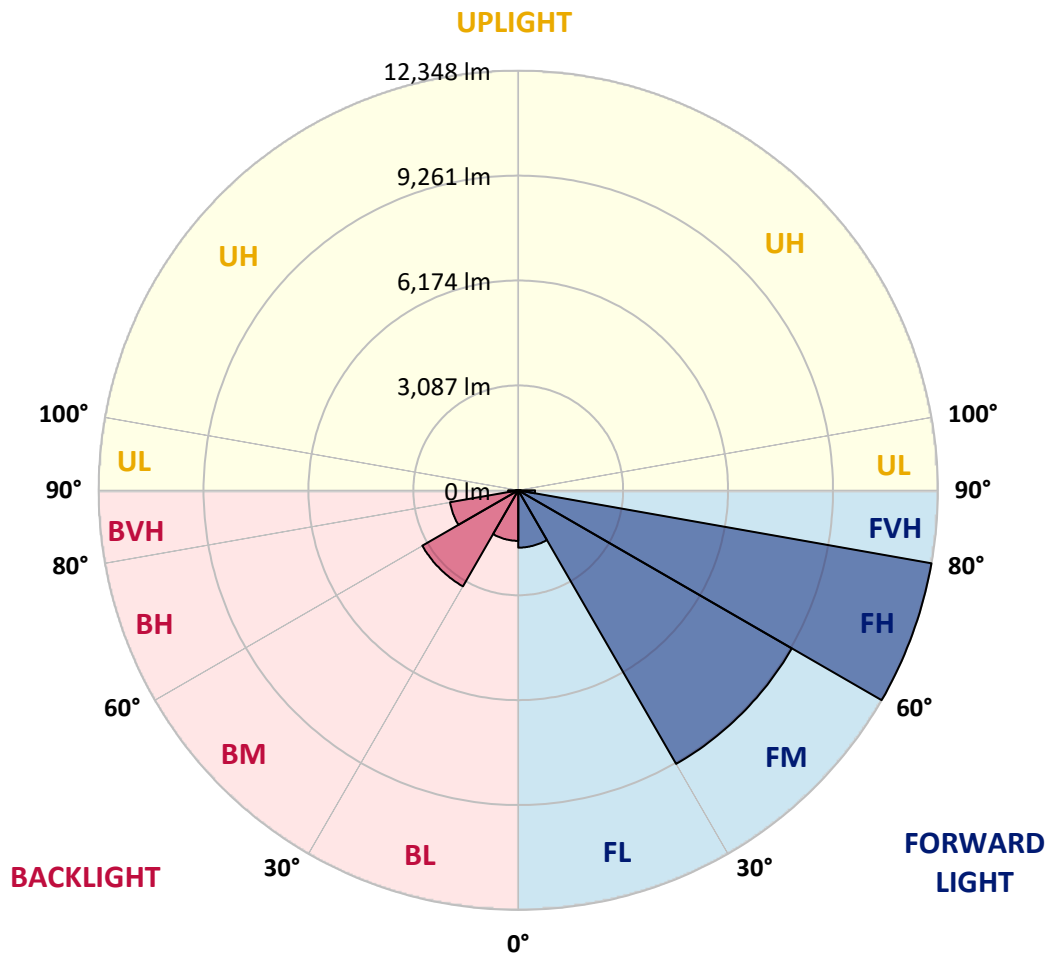
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1686.5	5.5			
FM (30°-60°)	9295.8	30.1			
FH (60°-80°)	12347.6	39.9			G5
FVH (80°-90°)	494.2	1.6			G3/500
BL (0°-30°)	1487.3	4.8	B3/2500		
BM (30°-60°)	3261.0	10.6	B3/5000		
BH (60°-80°)	2036.6	6.6	B3/2500		G3/2500
BVH (80°-90°)	299.1	1.0			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9
2.5°	3306.5	3308.6	3312.9	3302.3	3272.7	3264.2	3261.0	3230.4	3210.3	3180.7	3155.3
5°	3571.0	3573.1	3566.7	3537.1	3471.5	3422.9	3418.6	3348.8	3285.4	3217.7	3166.9
7.5°	3847.0	3850.2	3830.1	3774.1	3682.0	3597.4	3592.1	3496.9	3400.7	3298.1	3221.9
10°	4091.4	4078.7	4045.9	3967.6	3858.7	3755.0	3750.8	3651.4	3540.3	3416.5	3315.0
12.5°	4254.3	4243.7	4201.4	4106.2	3986.7	3891.5	3883.0	3791.0	3683.1	3547.7	3426.1
15°	4344.2	4351.6	4294.5	4186.6	4070.2	3989.8	3982.4	3916.8	3820.6	3684.1	3544.5
17.5°	4355.8	4362.2	4307.2	4200.3	4105.1	4050.1	4046.9	4003.6	3933.8	3802.6	3656.6
20°	4288.1	4292.3	4246.9	4159.1	4096.7	4079.7	4078.7	4059.6	4007.8	3891.5	3749.7
22.5°	4189.7	4192.9	4160.1	4096.7	4075.5	4102.0	4109.4	4102.0	4064.9	3956.0	3822.7
25°	4165.4	4163.3	4129.5	4064.9	4082.9	4139.0	4148.5	4151.7	4126.3	4031.1	3915.8
27.5°	4282.8	4275.4	4210.9	4107.2	4118.9	4186.6	4199.3	4229.9	4214.1	4130.5	4021.6
30°	4622.4	4609.7	4477.5	4268.0	4210.9	4245.8	4261.7	4310.3	4313.5	4243.7	4162.2
32.5°	5195.7	5179.8	4942.9	4568.4	4366.4	4306.1	4320.9	4393.9	4433.0	4379.1	4291.3
35°	5920.2	5902.2	5591.3	5079.3	4626.6	4421.4	4432.0	4490.1	4568.4	4492.3	4375.9
37.5°	6675.5	6632.1	6332.7	5680.1	5040.2	4667.8	4667.8	4675.3	4712.3	4553.6	4475.3
40°	7426.5	7383.1	7112.3	6386.7	5575.4	5056.0	5031.7	4867.8	4838.1	4701.7	4675.3
42.5°	8124.6	8111.9	7952.2	7185.3	6203.7	5437.9	5404.0	5125.9	5132.2	5047.6	5048.6
45°	8867.1	8867.1	8737.0	7991.3	6935.7	6051.4	6017.5	5608.2	5671.7	5632.5	5726.7
47.5°	9473.2	9492.2	9474.3	8831.2	7787.2	6830.9	6769.6	6276.7	6454.4	6588.7	6862.7
50°	10092.0	10121.6	10124.8	9752.5	8816.3	7757.5	7687.7	7164.1	7560.8	7945.8	8484.2
52.5°	10990.0	11056.7	10791.2	10671.6	10077.2	8857.6	8788.8	8305.4	8967.6	9508.1	10435.8
55°	11822.5	11764.3	11575.0	11649.0	11426.9	10110.0	10058.1	9634.0	10535.2	11237.5	12442.3
57.5°	12273.1	12268.8	12459.2	12776.6	12882.3	11654.3	11610.9	11198.4	12302.7	12830.5	14326.2
60°	12801.9	12809.3	13281.1	14001.4	14437.2	13577.3	13558.2	13245.1	14019.4	14317.7	15803.8
62.5°	12876.0	13009.3	13821.6	15061.3	15892.7	15823.9	15866.2	15088.8	15555.3	15504.5	16907.1
65°	12024.5	12200.1	13670.4	15381.8	17339.7	18281.1	18320.2	16943.0	16766.4	16518.9	17301.6
67.5°	10279.2	10539.4	12136.6	14684.7	17816.7	20097.2	20152.2	18380.5	17771.2	16862.6	16351.7
70°	7480.4	7769.2	9376.9	12541.7	16966.3	20677.9	20740.4	19016.2	17809.3	15884.2	13959.1
72.5°	4518.7	4745.1	6070.4	9233.1	14319.8	19620.2	19731.3	18210.2	16259.7	13454.6	10307.8
75°	1984.3	2132.4	2935.3	5320.5	10251.7	16233.3	16371.8	15587.0	13211.3	9777.8	6092.6
77.5°	845.1	887.5	1203.7	2311.2	5795.4	11092.6	11283.0	11388.8	8963.4	5320.5	2574.6
80°	526.8	543.7	681.2	1046.1	2712.1	6230.1	6435.3	6700.8	4451.0	1955.8	899.1
82.5°	320.5	339.5	452.7	632.5	1412.1	2824.2	2922.6	3109.8	1727.3	845.1	465.4
85°	192.5	206.3	277.1	399.8	803.9	1110.6	1109.6	1227.0	813.4	543.7	245.4
87.5°	92.0	102.6	148.1	207.3	405.1	416.8	390.3	442.1	494.0	356.5	123.8
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°	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9	3148.9
2.5°	3146.8	3142.6	3128.8	3118.2	3116.1	3109.8	3104.5	3107.7	3111.9	3113.0	3113.0
5°	3145.7	3134.1	3116.1	3108.7	3118.2	3130.9	3146.8	3168.0	3180.7	3190.2	3196.5
7.5°	3196.5	3174.3	3154.2	3150.0	3169.0	3202.9	3238.8	3283.3	3313.9	3335.1	3339.3
10°	3281.1	3253.6	3233.5	3237.8	3271.6	3320.3	3371.0	3428.2	3474.7	3503.3	3505.4
12.5°	3378.5	3352.0	3333.0	3351.0	3407.0	3466.2	3519.1	3568.8	3611.2	3639.7	3639.7
15°	3490.6	3471.5	3449.3	3490.6	3566.7	3619.6	3641.8	3666.2	3689.4	3710.6	3706.4
17.5°	3598.5	3580.5	3568.8	3617.5	3696.8	3721.2	3706.4	3688.4	3688.4	3700.0	3702.1
20°	3691.5	3675.7	3683.1	3730.7	3771.9	3746.5	3691.5	3634.4	3611.2	3617.5	3623.8
22.5°	3773.0	3765.6	3787.8	3810.0	3780.4	3691.5	3590.0	3512.8	3484.2	3482.1	3484.2
25°	3868.2	3867.1	3894.6	3854.4	3723.3	3559.3	3422.9	3347.8	3331.9	3344.6	3365.8
27.5°	3986.7	3998.3	4012.0	3865.0	3606.9	3359.4	3220.8	3169.0	3184.9	3215.6	3235.7
30°	4137.9	4169.6	4140.0	3838.6	3439.8	3130.9	2998.7	2983.9	3027.3	3070.6	3091.8
32.5°	4284.9	4334.7	4262.7	3769.8	3224.0	2888.7	2786.1	2781.9	2834.8	2877.1	2906.7
35°	4403.4	4501.8	4354.8	3633.4	2974.4	2665.5	2590.4	2561.9	2580.9	2630.6	2664.5
37.5°	4557.8	4721.8	4418.2	3425.0	2703.6	2481.5	2393.7	2328.1	2311.2	2331.3	2348.2
40°	4840.3	5057.1	4447.8	3134.1	2439.2	2297.4	2208.6	2112.3	2045.7	1997.0	1998.1
42.5°	5301.4	5494.0	4428.8	2780.8	2194.8	2117.6	2017.1	1906.1	1798.2	1688.2	1679.7
45°	6050.3	6143.4	4371.7	2406.4	1980.1	1929.3	1835.2	1724.1	1580.3	1455.5	1443.8
47.5°	7248.8	7042.5	4282.8	2079.5	1790.8	1769.6	1682.9	1554.9	1402.6	1302.1	1293.6
50°	8883.0	8340.4	4239.5	1819.3	1623.6	1630.0	1559.1	1423.7	1279.9	1205.8	1197.4
52.5°	10837.7	9851.9	4323.0	1618.4	1489.3	1511.5	1458.6	1331.7	1211.1	1152.9	1144.5
55°	12865.4	11417.3	4412.9	1472.4	1362.4	1405.7	1387.8	1283.1	1174.1	1120.2	1112.8
57.5°	14601.2	12586.2	4233.1	1353.9	1249.2	1316.9	1332.8	1252.4	1155.1	1106.4	1097.9
60°	15693.8	13056.9	3761.4	1242.9	1159.3	1246.0	1301.0	1243.9	1162.5	1158.2	1151.9
62.5°	16212.1	13015.6	3053.7	1155.1	1103.2	1215.4	1324.3	1291.5	1247.1	1285.2	1288.3
65°	15979.4	12393.7	2274.2	1096.9	1063.0	1227.0	1394.1	1381.4	1271.4	1309.5	1314.8
67.5°	14447.8	10909.6	1683.9	1046.1	1018.6	1259.8	1521.0	1411.0	1223.8	1251.3	1234.4
70°	11677.6	8649.2	1298.9	989.0	973.1	1255.5	1578.2	1393.1	1172.0	1178.3	1132.8
72.5°	8052.6	5898.0	1056.7	936.1	907.5	1144.5	1538.0	1348.6	1128.6	1080.0	1019.7
75°	4379.1	3165.8	898.0	881.1	792.3	1004.9	1463.9	1316.9	1089.5	1025.0	991.1
77.5°	1723.1	1313.7	779.6	806.0	692.8	887.5	1381.4	1256.6	1035.5	950.9	934.0
80°	703.4	670.6	646.3	697.1	595.5	776.4	1282.0	1185.7	971.0	882.2	848.3
82.5°	398.8	416.8	502.4	550.0	483.4	715.0	1234.4	1128.6	893.8	790.1	749.9
85°	204.1	244.3	350.1	394.5	355.4	608.2	1137.1	987.9	717.2	605.0	608.2
87.5°	98.4	136.4	221.1	247.5	230.6	440.0	849.4	716.1	558.5	442.1	428.4
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)