

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: P318090

Luminaire Tested: **GAN-SA6C-740-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41515 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

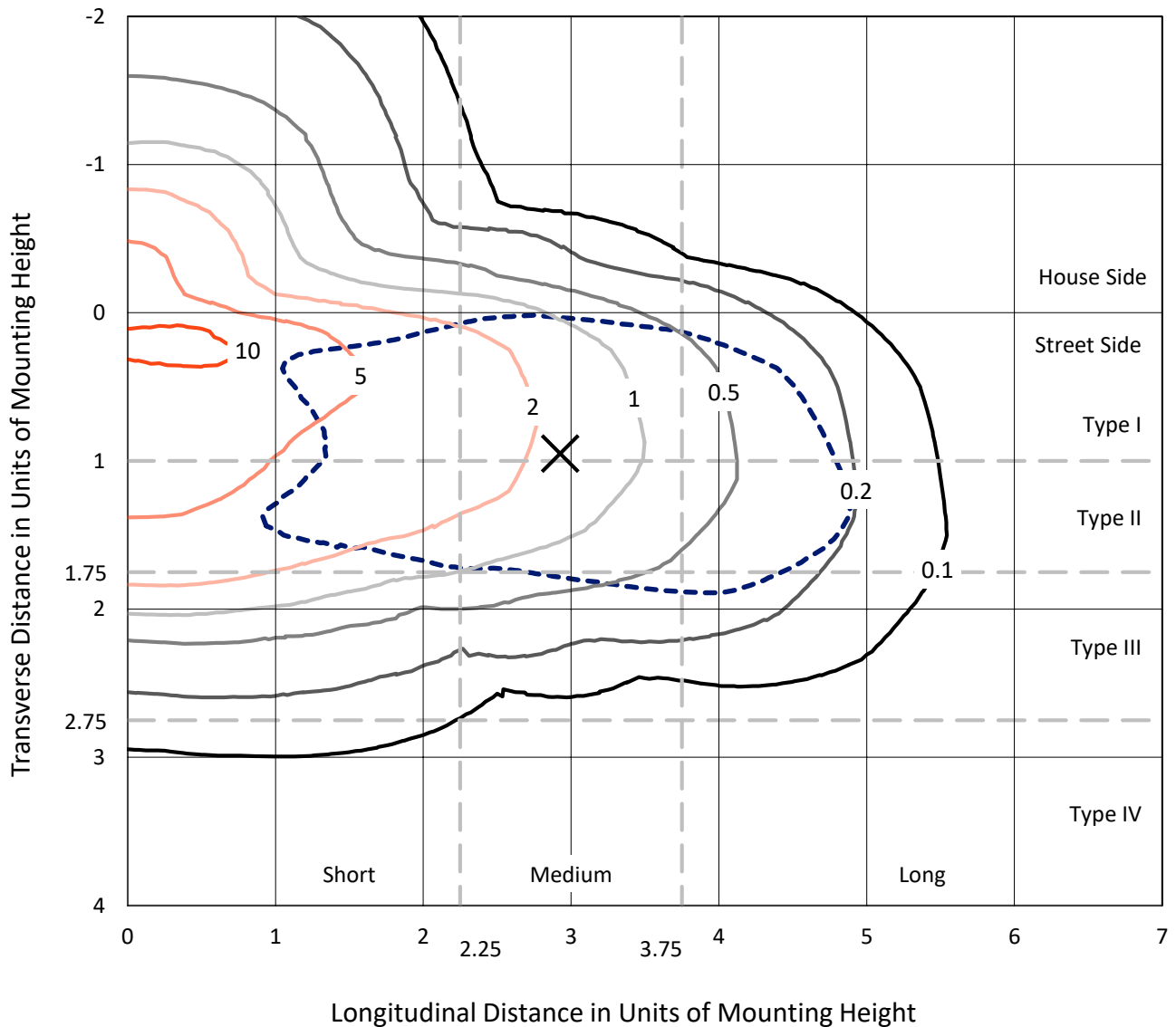
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

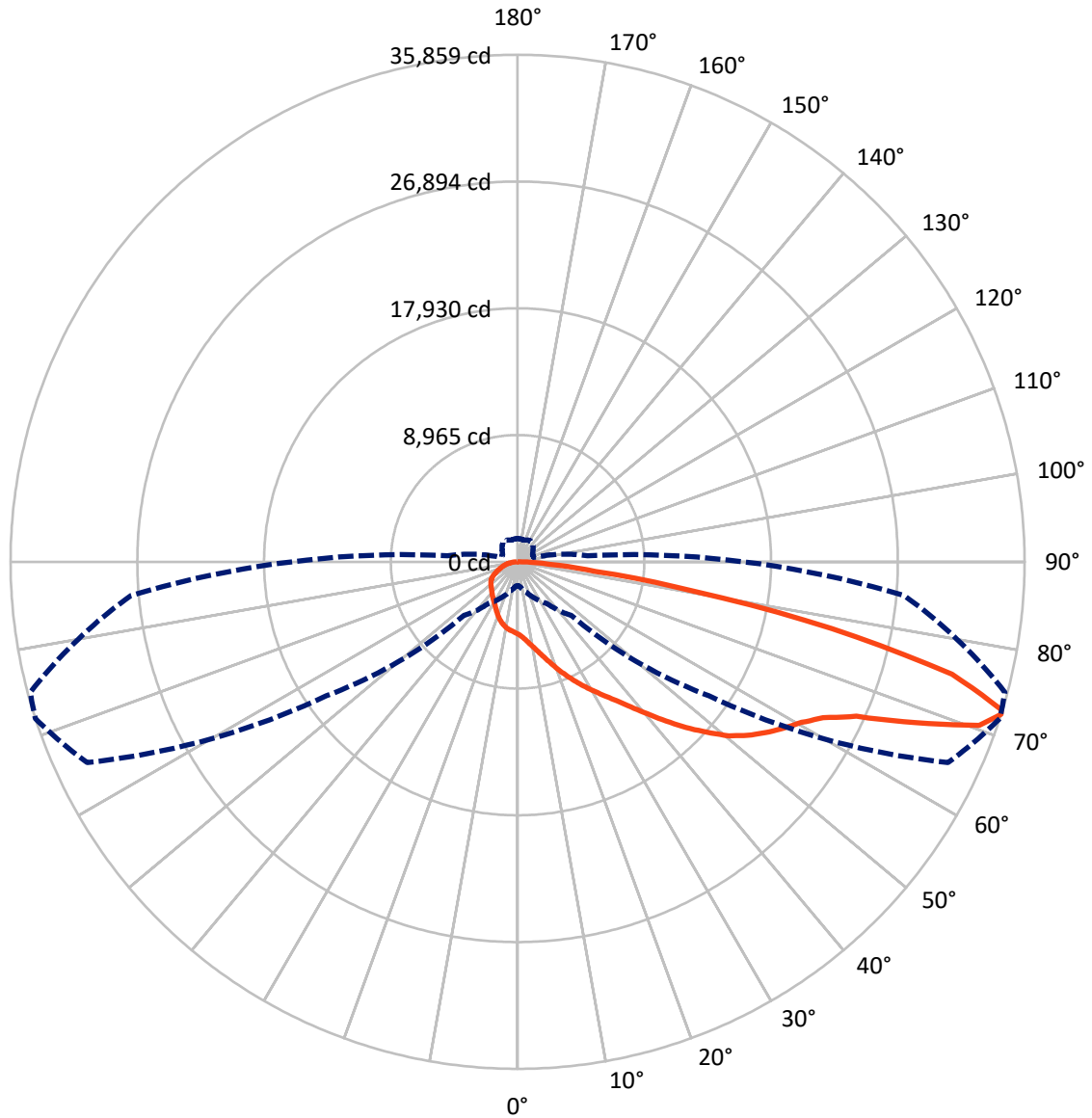
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7701.3	0.0	7701.3
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	33813.7	0.0	33813.7
	% Fixture	81.4	0.0	81.4
Total	Lumens	41515.0	0.0	41515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.8	1.2
10°-20°	1653.8	4.0
20°-30°	2898.0	7.0
30°-40°	4296.9	10.4
40°-50°	6284.5	15.1
50°-60°	8647.4	20.8
60°-70°	9627.1	23.2
70°-80°	6523.3	15.7
80°-90°	1072.2	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°	41515.0	100.0
0°-180°	41515.0	100.0

Coefficient of Utilization

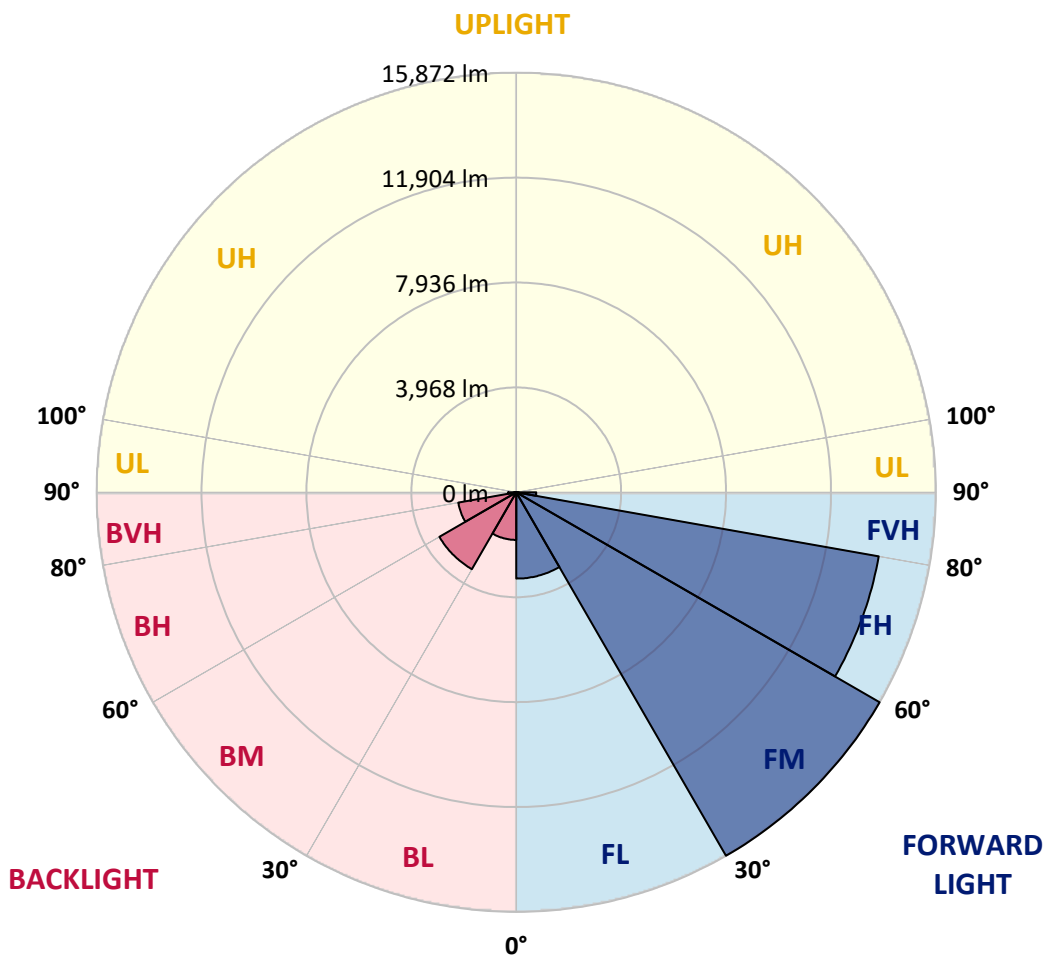


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3263.3	7.9			
FM (30°-60°)	15871.7	38.2			
FH (60°-80°)	13922.4	33.5			G5
FVH (80°-90°)	756.3	1.8			G5
BL (0°-30°)	1800.3	4.3	B3/2500		
BM (30°-60°)	3357.0	8.1	B3/5000		
BH (60°-80°)	2228.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	315.9	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-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4
2.5°	5642.0	5633.5	5603.4	5603.4	5546.3	5497.7	5406.2	5344.7	5271.8	5246.1	5160.3
5°	6188.1	6191.0	6153.8	6128.1	6043.7	5940.8	5785.0	5643.5	5502.0	5444.8	5269.0
7.5°	6646.9	6641.2	6631.2	6609.8	6531.2	6425.4	6215.3	6005.1	5796.4	5710.7	5407.6
10°	6941.4	6954.3	6962.9	6972.9	6940.0	6864.2	6665.5	6409.7	6136.6	6019.4	5573.4
12.5°	7090.1	7112.9	7153.0	7221.6	7275.9	7267.3	7123.0	6851.4	6526.9	6379.6	5780.7
15°	7177.3	7207.3	7270.2	7393.1	7546.1	7633.3	7594.7	7348.8	6987.2	6805.6	6033.7
17.5°	7231.6	7255.9	7353.1	7517.5	7744.8	7976.3	8077.8	7872.0	7507.5	7300.2	6323.9
20°	7268.8	7287.3	7408.8	7601.8	7896.3	8265.1	8548.1	8496.7	8080.7	7811.9	6626.9
22.5°	7351.7	7367.4	7483.2	7677.6	8003.5	8479.5	9001.3	9078.4	8685.3	8380.9	6951.4
25°	7583.2	7583.2	7680.4	7816.2	8122.1	8665.3	9384.3	9726.0	9302.9	8948.4	7251.6
27.5°	8024.9	8020.6	8056.4	8103.6	8335.1	8854.0	9726.0	10297.8	9943.3	9555.9	7543.2
30°	8548.1	8576.7	8581.0	8558.1	8666.8	9089.9	10041.9	10901.0	10587.9	10170.5	7842.0
32.5°	9221.4	9240.0	9218.5	9142.8	9127.0	9424.4	10352.1	11532.8	11285.5	10812.4	8115.0
35°	10076.2	10040.5	9973.3	9818.9	9671.7	9871.8	10706.6	12164.6	12068.9	11588.6	8490.9
37.5°	10992.5	10993.9	10911.0	10560.8	10357.8	10443.6	11195.5	12880.8	13016.6	12512.0	8972.7
40°	11727.2	11765.8	11817.3	11357.0	11094.0	11212.6	11817.3	13711.3	14137.3	13606.9	9600.2
42.5°	12240.4	12284.7	12430.5	12141.8	11868.7	12088.9	12549.1	14597.6	15395.2	14870.6	10334.9
45°	12783.6	12807.9	12910.8	12786.4	12612.0	13108.1	13373.9	15515.3	16726.0	16217.1	11156.9
47.5°	13355.4	13381.1	13486.9	13404.0	13312.5	14060.1	14234.5	16380.1	18001.1	17696.6	12034.5
50°	14061.5	14078.7	14178.7	14028.6	14057.2	14777.7	15003.5	17173.4	19337.6	19026.0	12915.1
52.5°	15025.0	15029.2	15167.9	15032.1	14897.7	15303.7	15665.4	17921.0	20385.4	20238.2	13795.6
55°	15779.7	15825.5	16280.0	16251.4	16174.2	15781.1	16218.5	18632.9	21320.3	21390.3	14730.5
57.5°	15298.0	15476.7	16397.2	17046.2	17678.0	16969.0	16966.2	19434.8	22189.4	22521.0	15758.3
60°	13398.2	13641.2	14997.8	16437.3	18414.2	19036.0	18518.5	20414.0	23067.0	23641.7	17046.2
62.5°	9568.7	9969.0	11807.3	14105.8	17405.0	20405.4	21677.6	21967.8	24260.6	24939.6	18720.1
65°	4837.3	5140.3	6681.3	9450.1	13905.7	19510.6	25111.2	25369.9	26334.8	26938.0	21297.4
67.5°	2939.0	3053.3	3805.2	5256.1	8525.2	15197.9	26231.9	31040.5	30348.7	30668.9	24972.5
70°	2165.6	2250.0	2718.8	3490.7	4903.0	8918.3	22792.6	35087.3	34632.7	34597.0	27688.5
72°	1686.8	1748.2	2162.8	2820.3	3585.1	5350.4	16520.2	33593.5	35859.2	35679.1	27439.7
72.5°	1599.6	1653.9	2031.2	2654.5	3387.8	4850.1	14853.4	32585.8	35770.6	35689.1	27118.1
75°	1259.3	1297.9	1503.8	2052.7	2651.6	2751.7	8139.3	25252.7	31732.4	33051.8	24390.7
77.5°	1042.1	1047.8	1156.4	1493.8	2067.0	1945.5	3998.2	17520.8	22722.6	24173.4	17277.8
80°	849.1	856.2	907.7	1047.8	1563.8	1439.5	1898.3	10074.8	12722.1	12737.8	8216.5
82.5°	676.1	677.6	734.7	766.2	1123.5	1029.2	1087.8	4730.1	5559.1	5347.6	2953.2
85°	476.0	466.0	717.6	629.0	734.7	660.4	600.4	1872.6	2298.6	2198.5	924.9
87.5°	158.7	164.4	318.8	407.4	428.8	374.5	267.3	717.6	867.7	860.5	293.0
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°	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4	5107.4
2.5°	5133.2	5087.4	5020.2	4945.9	4887.3	4827.3	4782.9	4760.1	4734.3	4712.9	4738.6
5°	5187.5	5101.7	4958.8	4818.7	4715.8	4624.3	4558.5	4524.2	4492.8	4471.3	4474.2
7.5°	5276.1	5137.4	4897.3	4692.9	4549.9	4451.3	4384.1	4361.3	4341.2	4335.5	4342.7
10°	5370.4	5166.0	4815.8	4544.2	4381.3	4299.8	4269.8	4285.5	4299.8	4312.7	4326.9
12.5°	5477.7	5191.8	4697.2	4369.8	4231.2	4199.7	4229.7	4298.4	4348.4	4378.4	4397.0
15°	5617.7	5214.6	4559.9	4195.4	4102.5	4138.3	4239.8	4358.4	4445.6	4501.3	4509.9
17.5°	5746.4	5213.2	4384.1	4019.6	3998.2	4102.5	4255.5	4422.7	4539.9	4618.6	4634.3
20°	5879.3	5174.6	4179.7	3848.1	3892.4	4063.9	4262.6	4464.2	4605.7	4697.2	4718.6
22.5°	6003.7	5107.4	3955.3	3692.3	3803.8	4012.5	4235.5	4439.9	4581.4	4655.7	4678.6
25°	6088.0	4990.2	3728.0	3560.8	3725.1	3949.6	4146.8	4311.2	4417.0	4454.2	4459.9
27.5°	6130.9	4837.3	3513.6	3446.4	3643.7	3846.7	3982.5	4063.9	4093.9	4091.1	4085.4
30°	6136.6	4635.7	3329.2	3353.5	3549.3	3695.1	3759.5	3743.7	3705.1	3639.4	3645.1
32.5°	6118.0	4408.4	3174.8	3264.9	3429.3	3510.7	3513.6	3437.8	3334.9	3230.6	3202.0
35°	6123.8	4185.4	3039.0	3164.8	3283.4	3319.2	3286.3	3174.8	3034.7	2900.4	2871.8
37.5°	6186.7	3991.0	2921.8	3049.0	3121.9	3130.5	3083.3	2966.1	2863.2	2731.7	2720.2
40°	6336.8	3852.4	2810.3	2918.9	2960.4	2964.7	2897.5	2814.6	2823.2	2753.1	2751.7
42.5°	6606.9	3792.3	2711.7	2783.1	2808.9	2817.4	2766.0	2713.1	2787.4	2741.7	2726.0
45°	6955.7	3806.6	2628.8	2650.2	2697.4	2737.4	2706.0	2641.6	2670.2	2471.5	2405.8
47.5°	7358.8	3898.1	2563.0	2535.8	2617.3	2693.1	2644.5	2547.3	2445.8	2248.5	2211.4
50°	7830.5	4039.6	2503.0	2422.9	2530.1	2633.0	2584.4	2445.8	2292.8	2197.1	2184.2
52.5°	8322.3	4212.6	2442.9	2298.6	2420.1	2587.3	2563.0	2422.9	2234.2	2139.9	2122.7
55°	8879.7	4387.0	2367.2	2154.2	2301.4	2565.9	2553.0	2340.0	2189.9	2137.0	2124.2
57.5°	9573.0	4585.7	2267.1	2004.1	2189.9	2488.7	2448.6	2290.0	2144.2	2104.2	2099.9
60°	10476.4	4878.7	2122.7	1844.0	2054.1	2370.0	2361.5	2217.1	2071.3	2042.7	2037.0
62.5°	11831.6	5363.3	1924.0	1683.9	1902.6	2168.5	2247.1	2118.4	1994.1	1992.7	1995.5
65°	13932.9	6092.3	1708.2	1543.8	1749.6	1998.4	2114.2	2017.0	1915.5	1944.1	1948.3
67.5°	16368.6	6697.0	1496.6	1406.6	1593.8	1836.8	1994.1	1915.5	1811.1	1885.4	1886.9
70°	17179.1	6156.6	1310.8	1270.8	1432.3	1681.0	1864.0	1804.0	1698.2	1772.5	1765.4
72°	15987.0	4970.2	1190.7	1167.9	1310.8	1552.4	1748.2	1699.6	1595.3	1645.3	1626.7
72.5°	15611.0	4738.6	1160.7	1142.1	1277.9	1519.5	1718.2	1673.9	1569.5	1612.4	1595.3
75°	13925.7	4115.4	997.8	1002.0	1115.0	1359.4	1549.5	1535.2	1428.0	1432.3	1426.6
77.5°	10100.5	3017.6	840.5	869.1	949.2	1195.0	1379.4	1370.8	1253.6	1232.2	1227.9
80°	4687.2	1539.5	684.7	697.6	780.5	999.2	1176.4	1165.0	1070.7	1043.5	1027.8
82.5°	1605.3	731.9	514.6	523.2	604.7	804.8	1020.6	1013.5	934.9	882.0	849.1
85°	573.2	364.5	360.2	351.6	431.7	633.2	889.1	850.5	734.7	626.1	623.2
87.5°	185.8	155.8	185.8	184.4	251.6	428.8	646.1	550.3	533.2	443.1	434.6
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)