

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: P318730

Luminaire Tested: **GAN-SA6C-740-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42558 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

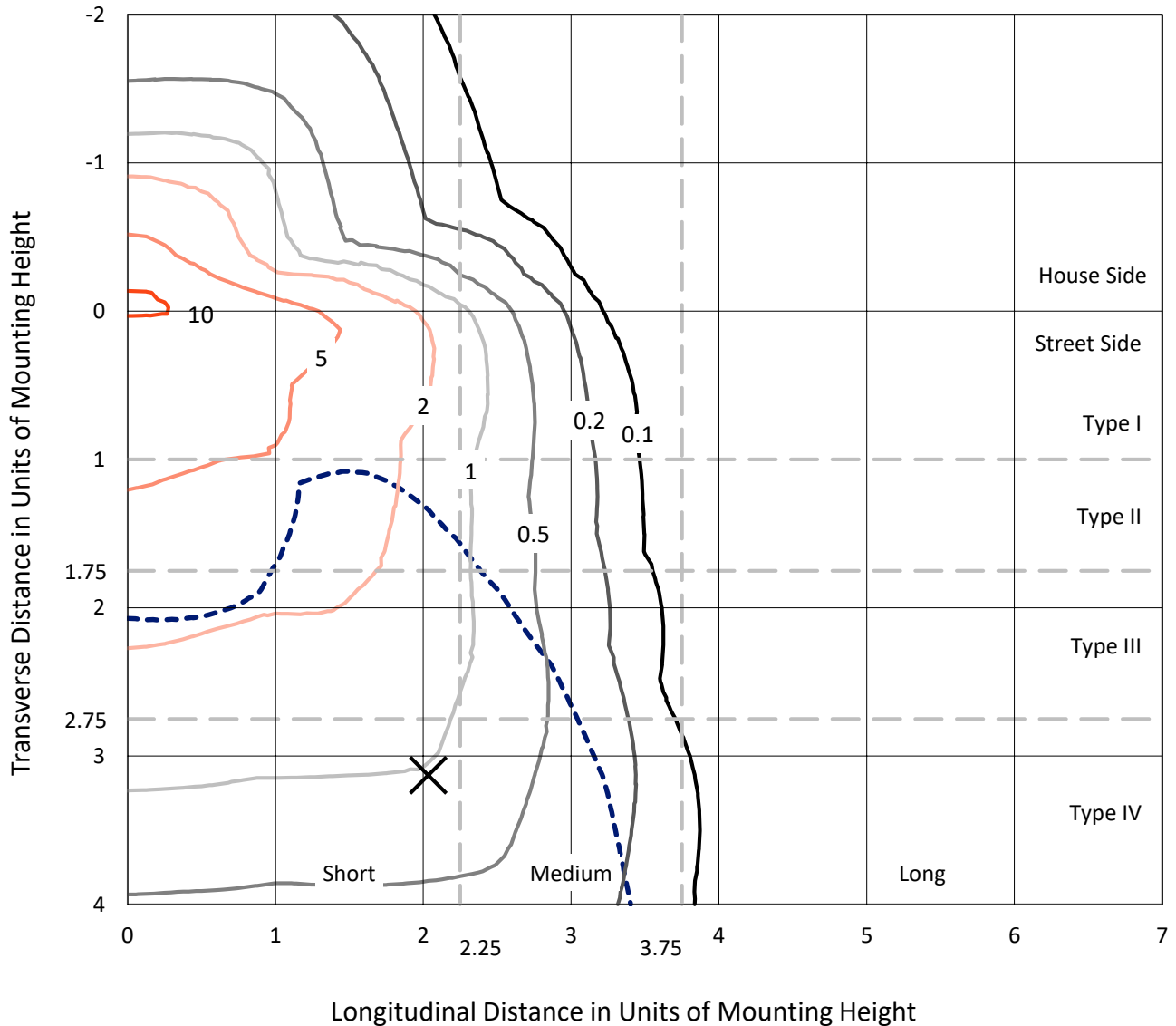
Input Watts (W): 333
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

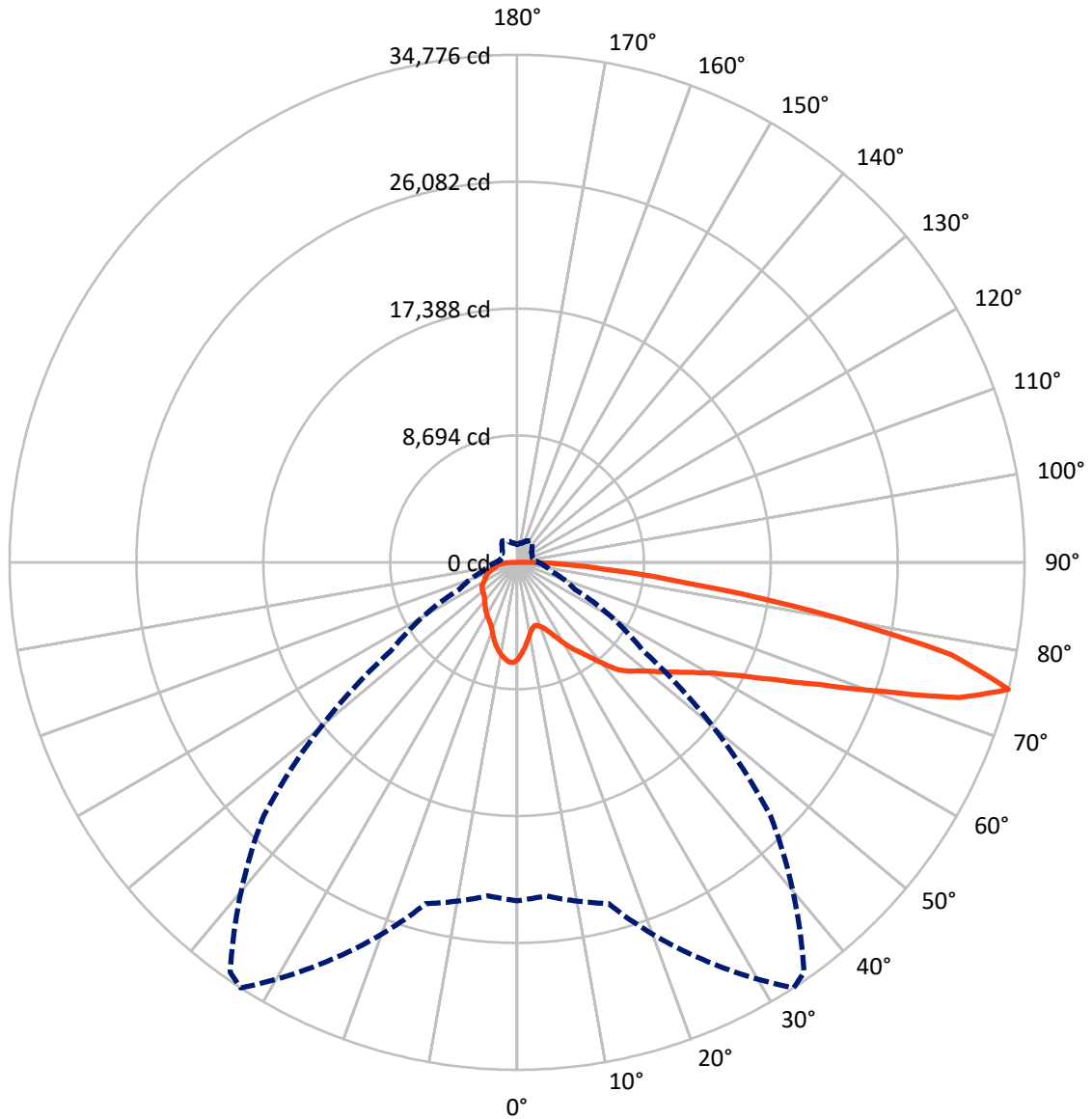
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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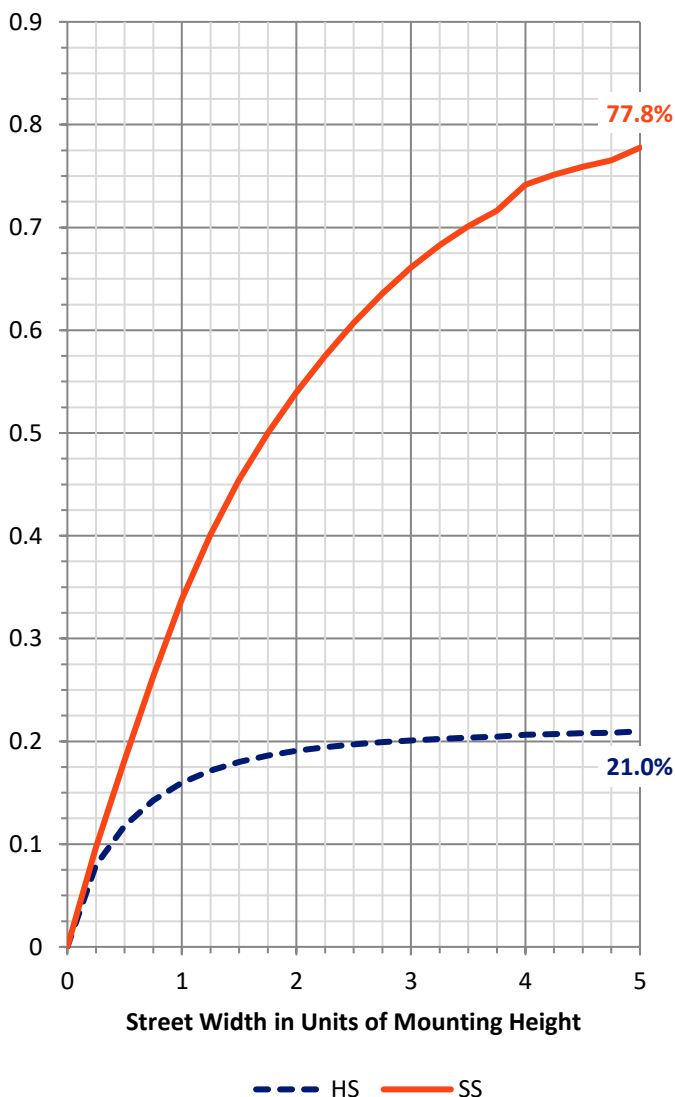
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9138.3	0.0	9138.3
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	33419.7	0.0	33419.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	42558.0	0.0	42558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.6	1.4
10°-20°	1629.4	3.8
20°-30°	2661.0	6.3
30°-40°	3962.9	9.3
40°-50°	5683.8	13.4
50°-60°	7803.0	18.3
60°-70°	9769.0	23.0
70°-80°	8837.6	20.8
80°-90°	1609.8	3.8
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°	42558.0	100.0
0°-180°	42558.0	100.0

Coefficient of Utilization



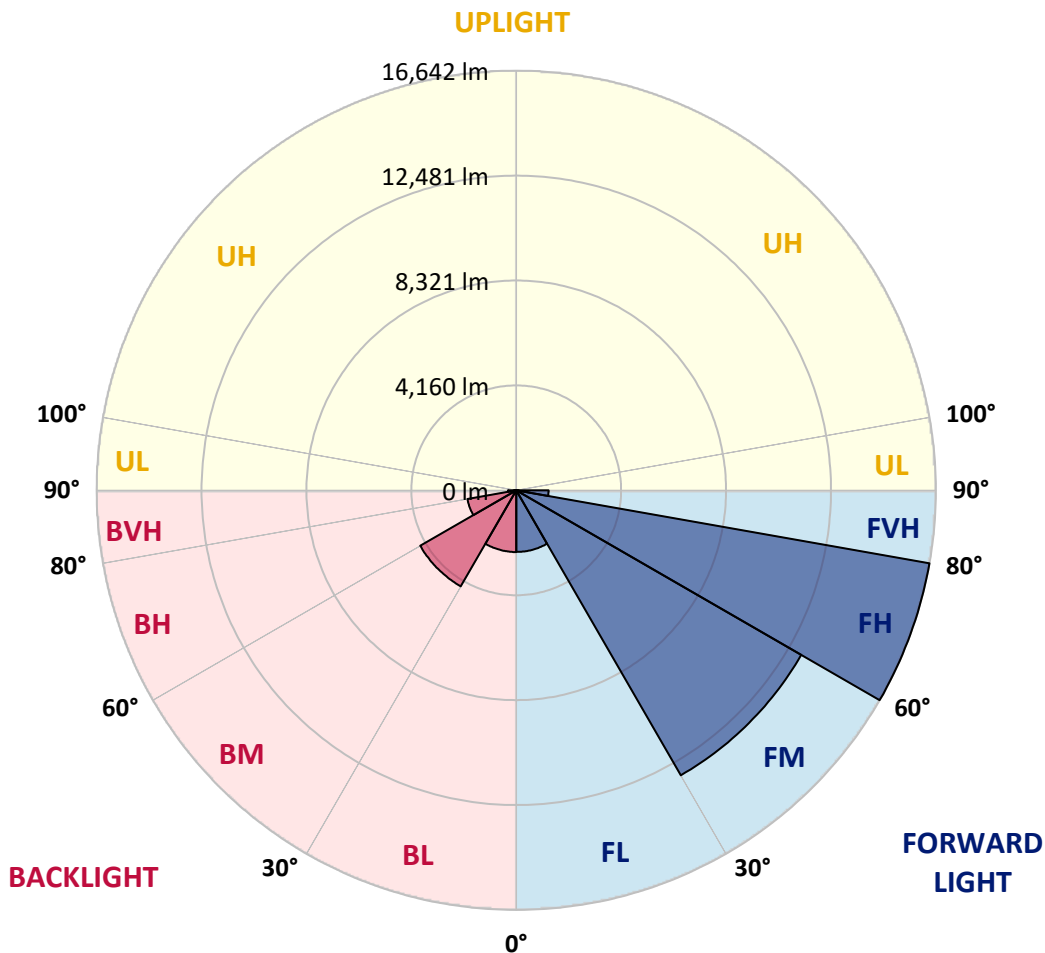
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2444.3	5.7			
FM (30°-60°)	13051.7	30.7			
FH (60°-80°)	16641.7	39.1			G5
FVH (80°-90°)	1282.1	3.0			G5
BL (0°-30°)	2447.7	5.8	B3/2500		
BM (30°-60°)	4398.0	10.3	B3/5000		
BH (60°-80°)	1964.9	4.6	B3/2500		G3/2500
BVH (80°-90°)	327.7	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1
2.5°	6177.2	6153.7	6197.8	6203.7	6241.9	6256.6	6309.5	6391.9	6459.5	6537.4	6608.0
5°	5617.1	5601.0	5662.7	5706.8	5790.6	5825.9	5950.8	6125.8	6281.6	6458.0	6618.2
7.5°	5085.0	5076.1	5145.2	5245.2	5342.2	5390.7	5606.8	5861.2	6121.4	6406.6	6652.1
10°	4636.6	4633.7	4699.8	4798.3	4940.9	4995.3	5274.6	5609.8	5974.4	6366.9	6709.4
12.5°	4385.2	4395.5	4426.4	4508.7	4641.0	4695.4	5005.6	5399.6	5850.9	6353.6	6793.2
15°	4447.0	4463.1	4410.2	4407.3	4501.3	4544.0	4835.1	5249.6	5762.7	6375.7	6915.2
17.5°	4710.1	4713.0	4573.4	4485.2	4542.5	4564.6	4782.1	5164.3	5711.2	6425.7	7068.1
20°	5080.6	5073.2	4826.2	4679.2	4710.1	4716.0	4857.1	5165.8	5706.8	6512.4	7266.5
22.5°	5571.6	5517.2	5184.9	4985.0	4977.6	4968.8	5049.7	5274.6	5771.5	6653.5	7503.2
25°	6212.5	6161.1	5703.9	5430.4	5371.6	5349.6	5361.3	5506.9	5899.4	6804.9	7767.8
27.5°	6925.5	6835.8	6394.8	6008.2	5886.1	5855.3	5784.7	5834.7	6039.0	6950.5	8082.4
30°	7522.3	7473.8	7088.7	6630.0	6485.9	6441.8	6256.6	6202.2	6240.4	7148.9	8479.3
32.5°	7856.0	7823.7	7590.0	7219.5	7085.7	7024.0	6762.3	6653.5	6563.8	7462.1	9017.4
35°	8260.3	8239.7	8098.6	7829.6	7631.1	7566.4	7363.6	7250.4	7019.6	7892.8	9712.7
37.5°	8774.8	8752.8	8755.7	8538.2	8301.5	8241.2	8107.4	7988.3	7610.5	8458.8	10468.3
40°	9357.0	9314.3	9298.2	9287.9	9137.9	9104.1	9033.6	8871.9	8351.5	9135.0	11213.7
42.5°	10233.1	10081.7	9758.3	9880.3	10028.8	10011.2	10068.5	9836.2	9174.7	9934.7	11941.4
45°	11078.4	10830.0	10271.4	10297.8	10622.7	10721.2	11150.5	10985.8	10067.0	10810.9	12694.0
47.5°	11463.6	11275.4	10800.6	10802.1	11124.0	11328.3	12269.2	12151.6	11004.9	11806.1	13612.8
50°	11894.3	11706.1	11279.8	11440.1	11720.8	11938.4	13349.7	13289.4	11897.3	12895.4	14713.9
52.5°	12364.7	12045.7	11775.2	12061.9	12455.9	12708.7	14431.6	14267.0	12716.1	13992.1	15979.6
55°	12370.6	12283.9	12489.7	12699.9	13289.4	13599.6	15565.1	15129.9	13383.5	15069.7	17010.1
57.5°	13074.8	12933.7	13370.3	13467.3	14237.6	14587.5	16692.6	15881.1	14062.7	15895.8	17565.8
60°	14006.8	13886.3	14243.5	14499.3	15410.7	15878.2	17896.6	16652.9	14596.3	16519.1	17539.4
62.5°	15616.5	15479.8	15475.4	15834.1	17061.6	17605.5	19247.6	17410.0	14808.0	16642.6	16791.1
65°	17973.0	17755.5	17345.3	17515.9	19341.7	19884.1	20757.3	17958.3	14528.7	15981.1	14863.8
67.5°	20266.3	20259.0	19754.8	20104.6	22352.4	22787.5	22477.3	18012.7	13656.9	13677.5	11444.5
70°	22552.3	22581.7	22496.4	23713.7	26420.0	26872.8	24309.0	17282.1	11697.3	9877.4	6856.4
72.5°	24363.4	24356.1	24785.3	27923.9	31699.1	31597.6	25852.6	15068.2	8398.5	5331.9	3276.8
75°	23190.3	22934.5	24213.5	30008.5	34775.9	34280.5	24539.8	10511.0	4358.7	2427.1	1764.1
77.5°	15125.5	15368.1	17245.4	24789.7	30418.6	29815.9	18003.9	4904.1	2053.7	1592.1	1279.0
80°	5477.5	5733.3	8075.1	14042.1	20957.3	20858.8	8866.0	2015.5	1389.2	1202.5	932.0
82.5°	1884.6	1978.7	3185.6	6236.0	11832.6	12273.6	3335.6	1145.2	1009.9	852.6	638.0
85°	739.4	846.8	1456.8	3000.4	5968.5	6012.6	1351.0	685.1	702.7	558.6	349.9
87.5°	280.8	341.1	696.8	1393.6	2725.5	2503.5	483.7	326.4	399.9	332.2	166.1
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°	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1	6652.1
2.5°	6662.3	6693.2	6757.9	6802.0	6849.0	6862.3	6868.2	6879.9	6891.7	6887.3	6888.7
5°	6703.5	6763.8	6868.2	6912.3	6932.8	6909.3	6863.7	6827.0	6800.5	6785.8	6781.4
7.5°	6771.1	6856.4	6968.1	6960.8	6913.7	6809.4	6691.7	6603.5	6530.0	6503.6	6488.9
10°	6860.8	6960.8	7038.7	6954.9	6818.2	6637.4	6460.9	6324.2	6214.0	6171.3	6164.0
12.5°	6975.5	7076.9	7091.6	6913.7	6687.3	6440.4	6200.7	6019.9	5855.3	5802.4	5790.6
15°	7123.9	7219.5	7128.4	6841.7	6525.6	6193.4	5883.2	5637.7	5464.2	5399.6	5376.0
17.5°	7279.8	7370.9	7135.7	6722.6	6313.9	5900.8	5511.3	5259.9	5061.4	4986.5	4977.6
20°	7466.5	7507.6	7104.8	6552.1	6022.9	5521.6	5111.4	4874.7	4768.9	4716.0	4710.1
22.5°	7697.3	7653.2	7034.3	6321.3	5653.9	5083.5	4749.8	4639.5	4613.1	4601.3	4605.7
25°	7941.3	7806.1	6929.9	6019.9	5187.9	4645.4	4485.2	4516.0	4551.3	4546.9	4546.9
27.5°	8210.3	7961.9	6769.7	5620.1	4671.9	4286.7	4305.8	4419.0	4471.9	4470.5	4469.0
30°	8555.8	8138.3	6565.3	5139.4	4189.7	4033.9	4150.0	4288.2	4360.2	4357.3	4358.7
32.5°	8980.6	8332.3	6287.5	4602.8	3841.3	3847.2	3980.9	4117.7	4201.5	4194.1	4195.6
35°	9477.5	8549.9	5911.1	4073.6	3610.5	3698.7	3804.5	3900.1	3979.5	3969.2	3958.9
37.5°	10018.5	8763.1	5411.3	3600.2	3422.3	3560.5	3648.7	3664.9	3701.6	3675.2	3656.1
40°	10533.0	8926.2	4767.4	3212.1	3232.7	3442.9	3500.2	3435.5	3369.4	3360.6	3334.1
42.5°	10981.4	8980.6	4116.2	2901.9	3032.7	3319.4	3354.7	3219.4	3100.4	3044.5	3021.0
45°	11454.8	8999.8	3509.1	2641.7	2840.2	3209.2	3247.4	3066.6	2899.0	2778.4	2738.7
47.5°	12073.7	9137.9	3037.2	2449.1	2693.2	3135.7	3190.0	2944.5	2727.0	2555.0	2518.2
50°	12883.7	9411.4	2653.5	2302.1	2597.6	3087.1	3148.9	2825.5	2585.8	2378.6	2341.8
52.5°	13783.3	9662.8	2343.3	2183.0	2505.0	3001.9	3096.0	2740.2	2453.5	2215.4	2175.7
55°	14412.5	9470.2	2093.4	2059.6	2384.4	2879.9	3022.5	2668.2	2263.9	2056.6	2021.3
57.5°	14533.1	8811.6	1903.7	1931.7	2238.9	2727.0	2909.3	2507.9	2161.0	1987.5	1950.8
60°	14203.8	7894.3	1762.6	1814.1	2083.1	2534.4	2697.6	2394.7	2062.5	1914.0	1883.2
62.5°	13376.1	6954.9	1658.2	1708.2	1937.5	2338.9	2565.3	2275.7	1962.5	1830.2	1799.4
65°	11704.7	5839.1	1558.3	1614.1	1802.3	2169.8	2446.2	2165.4	1864.0	1762.6	1733.2
67.5°	8835.1	4373.4	1464.2	1514.2	1681.8	2022.8	2316.8	2056.6	1768.5	1703.8	1668.5
70°	5202.6	2738.7	1356.9	1409.8	1555.3	1869.9	2178.6	1937.5	1649.4	1620.0	1574.4
72.5°	2421.2	1647.9	1234.9	1286.3	1396.6	1665.6	2000.8	1781.7	1508.3	1443.6	1381.9
75°	1445.1	1205.5	1090.8	1136.4	1214.3	1448.0	1777.3	1623.0	1374.5	1289.2	1224.6
77.5°	1080.5	921.7	932.0	980.5	1043.7	1267.2	1574.4	1498.0	1271.6	1205.5	1161.4
80°	777.7	699.8	760.0	812.9	879.1	1152.5	1508.3	1384.8	1149.6	1061.4	1020.2
82.5°	518.9	502.8	571.9	626.2	690.9	1008.5	1417.1	1212.8	982.0	870.3	779.1
85°	286.7	302.8	385.2	408.7	464.5	710.0	1161.4	974.7	739.4	595.4	568.9
87.5°	119.1	139.7	207.3	199.9	247.0	423.4	764.4	588.0	470.4	351.3	273.4
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)