

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: P318051

Luminaire Tested: **GAN-SA7C-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318051
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-SA7C-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44711 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

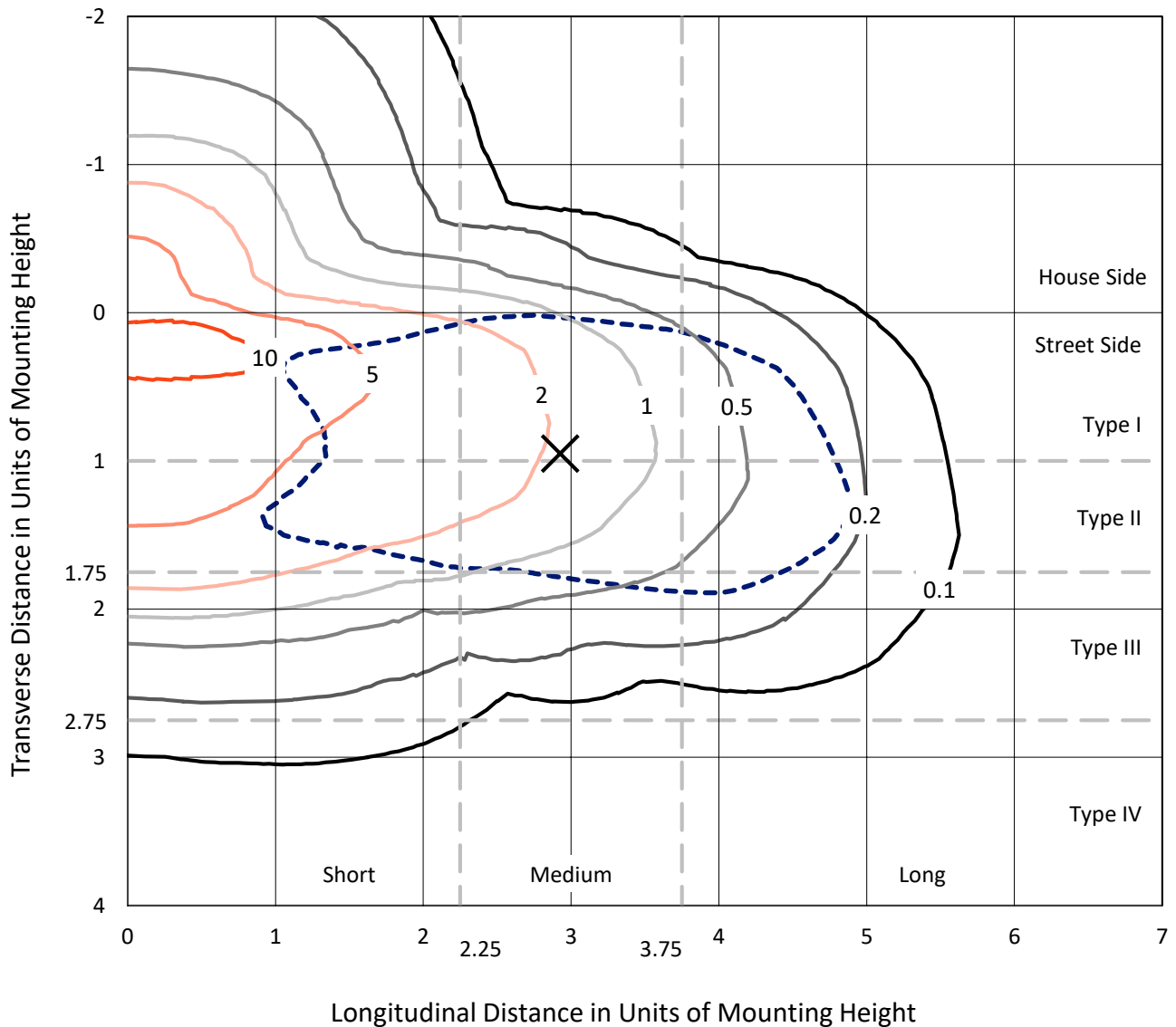
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

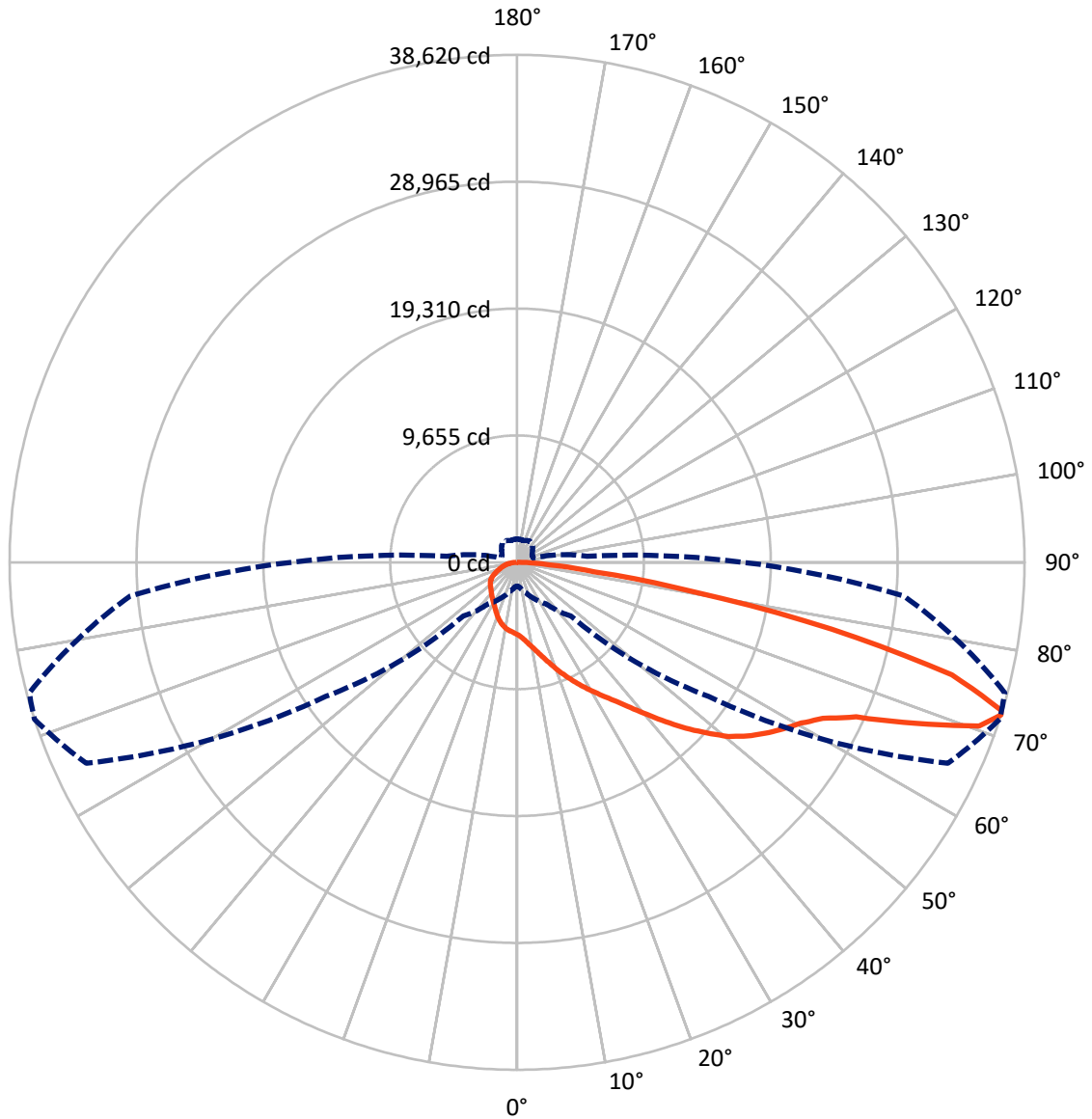
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 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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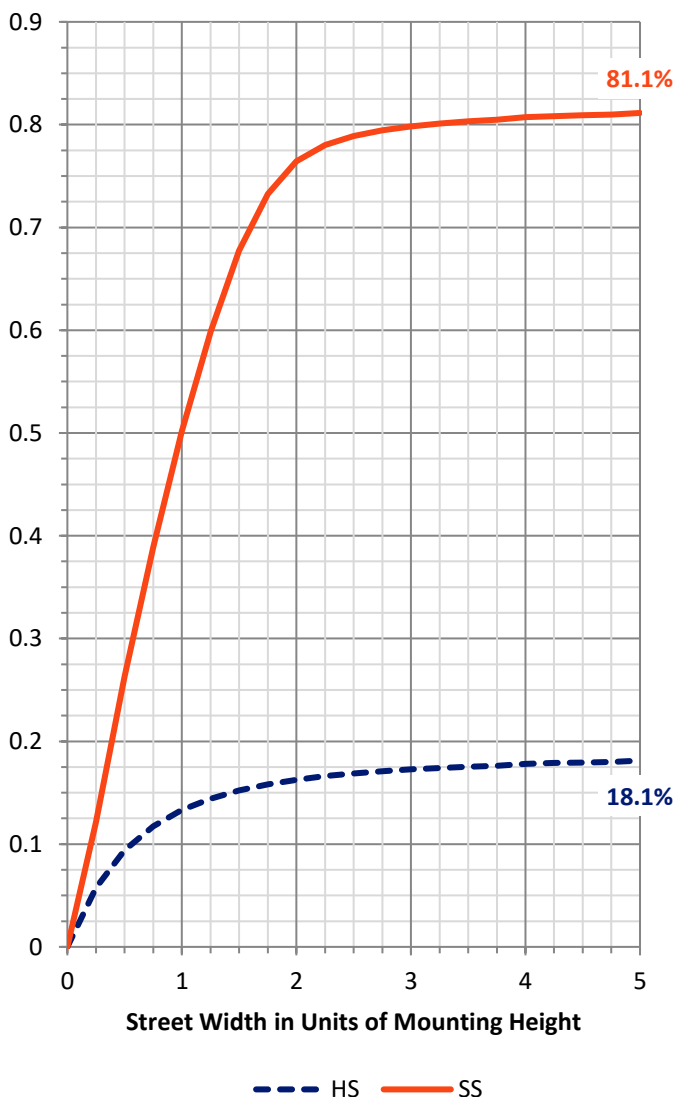
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8294.2	0.0	8294.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	36416.8	0.0	36416.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	44711.0	0.0	44711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.2	1.2
10°-20°	1781.1	4.0
20°-30°	3121.1	7.0
30°-40°	4627.6	10.4
40°-50°	6768.3	15.1
50°-60°	9313.1	20.8
60°-70°	10368.3	23.2
70°-80°	7025.5	15.7
80°-90°	1154.7	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°	44711.0	100.0
0°-180°	44711.0	100.0

Coefficient of Utilization

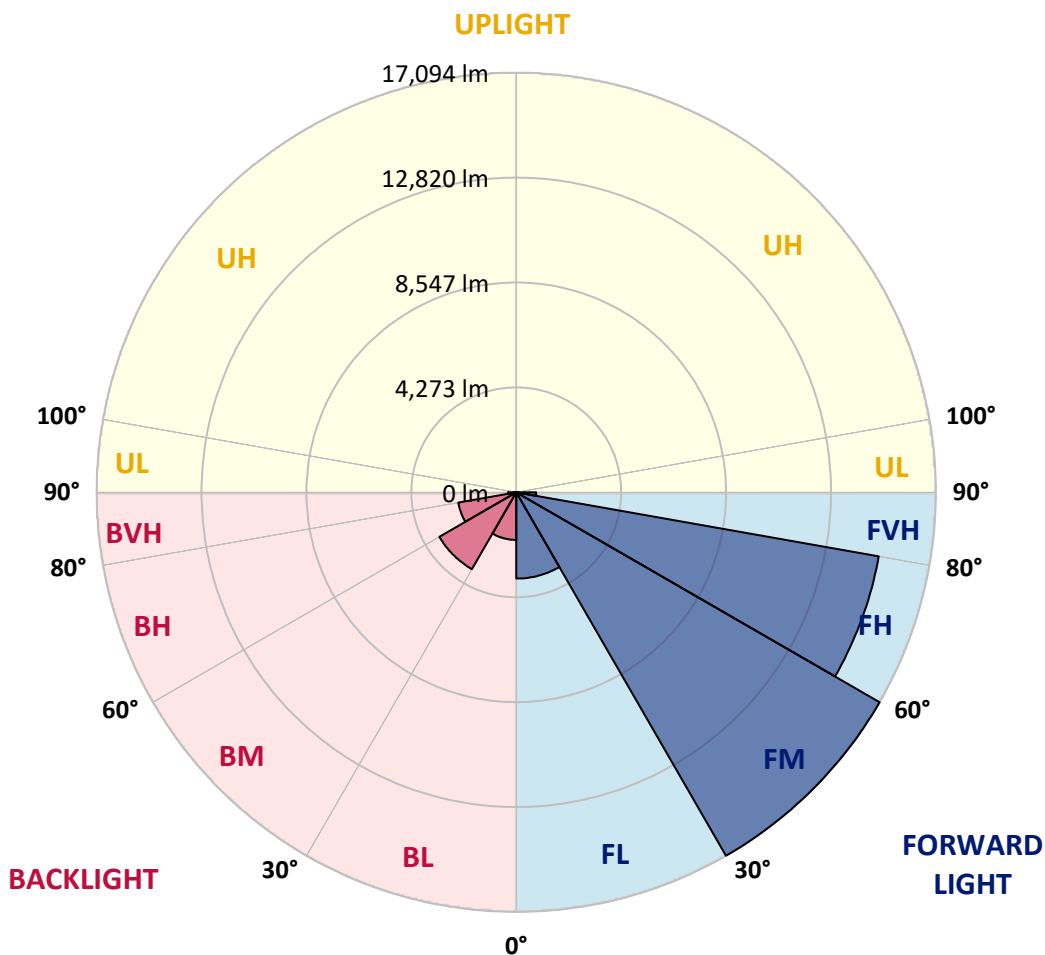


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3514.5	7.9			
FM (30°-60°)	17093.6	38.2			
FH (60°-80°)	14994.2	33.5			G5
FVH (80°-90°)	814.5	1.8			G5
BL (0°-30°)	1938.9	4.3	B3/2500		
BM (30°-60°)	3615.5	8.1	B3/5000		
BH (60°-80°)	2399.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	340.2	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°	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6
2.5°	6076.4	6067.2	6034.8	6034.8	5973.2	5920.9	5822.4	5756.2	5677.7	5650.0	5557.6
5°	6664.5	6667.6	6627.5	6599.8	6509.0	6398.1	6230.3	6077.9	5925.5	5863.9	5674.6
7.5°	7158.7	7152.5	7141.7	7118.6	7034.0	6920.0	6693.7	6467.4	6242.7	6150.3	5823.9
10°	7475.8	7489.6	7498.9	7509.7	7474.3	7392.7	7178.7	6903.1	6609.1	6482.8	6002.5
12.5°	7635.9	7660.5	7703.6	7777.5	7836.0	7826.8	7671.3	7378.8	7029.3	6870.8	6225.7
15°	7729.8	7762.1	7829.9	7962.3	8127.0	8220.9	8179.3	7914.5	7525.1	7329.5	6498.2
17.5°	7788.3	7814.5	7919.2	8096.2	8341.0	8590.4	8699.7	8478.0	8085.4	7862.2	6810.7
20°	7828.3	7848.4	7979.2	8187.0	8504.2	8901.4	9206.2	9150.8	8702.8	8413.3	7137.1
22.5°	7917.6	7934.6	8059.3	8268.6	8619.6	9132.3	9694.2	9777.3	9354.0	9026.1	7486.6
25°	8167.0	8167.0	8271.7	8418.0	8747.4	9332.4	10106.8	10474.7	10019.0	9637.2	7809.9
27.5°	8642.7	8638.1	8676.6	8727.4	8976.8	9535.6	10474.7	11090.5	10708.7	10291.5	8123.9
30°	9206.2	9237.0	9241.6	9217.0	9334.0	9789.7	10815.0	11740.2	11403.0	10953.5	8445.7
32.5°	9931.3	9951.3	9928.2	9846.6	9829.7	10149.9	11149.0	12420.7	12154.3	11644.7	8739.7
35°	10851.9	10813.4	10741.1	10574.8	10416.2	10631.8	11530.8	13101.1	12998.0	12480.7	9144.6
37.5°	11838.7	11840.3	11751.0	11373.8	11155.2	11247.6	12057.3	13872.4	14018.7	13475.2	9663.4
40°	12630.0	12671.6	12727.0	12231.3	11948.0	12075.8	12727.0	14766.8	15225.6	14654.5	10339.3
42.5°	13182.7	13230.4	13387.5	13076.5	12782.4	13019.5	13515.2	15721.3	16580.4	16015.4	11130.6
45°	13767.7	13793.9	13904.7	13770.8	13583.0	14117.2	14403.5	16709.7	18013.6	17465.6	12015.8
47.5°	14383.5	14411.2	14525.1	14435.9	14337.3	15142.5	15330.3	17641.1	19386.9	19059.0	12961.0
50°	15144.0	15162.5	15270.3	15108.6	15139.4	15915.3	16158.6	18495.5	20826.3	20490.7	13909.3
52.5°	16181.6	16186.3	16335.6	16189.3	16044.6	16481.8	16871.3	19300.7	21954.8	21796.2	14857.7
55°	16994.5	17043.8	17533.3	17502.5	17419.4	16996.0	17467.1	20067.3	22961.6	23037.0	15864.5
57.5°	16475.7	16668.1	17659.6	18358.5	19038.9	18275.4	18272.3	20931.0	23897.6	24254.8	16971.4
60°	14429.7	14691.4	16152.4	17702.7	19831.8	20501.5	19944.2	21985.5	24842.8	25461.7	18358.5
62.5°	10305.4	10736.4	12716.2	15191.7	18744.9	21976.3	23346.5	23659.0	26128.3	26859.6	20161.2
65°	5209.7	5536.0	7195.6	10177.6	14976.2	21012.6	27044.3	27323.0	28362.1	29011.8	22937.0
67.5°	3165.2	3288.4	4098.1	5660.7	9181.6	16367.9	28251.3	33430.2	32685.0	33029.9	26895.0
70°	2332.3	2423.2	2928.1	3759.4	5280.5	9604.9	24547.3	37788.5	37298.9	37260.4	29820.0
72°	1816.6	1882.8	2329.3	3037.4	3861.1	5762.3	17792.0	36179.7	38619.8	38425.8	29552.2
72.5°	1722.7	1781.2	2187.6	2858.8	3648.6	5223.5	15996.9	35094.4	38524.3	38436.6	29205.8
75°	1356.3	1397.9	1619.5	2210.7	2855.8	2963.5	8765.9	27196.7	34175.3	35596.2	26268.4
77.5°	1122.3	1128.5	1245.5	1608.8	2226.1	2095.3	4306.0	18869.6	24471.8	26034.4	18607.9
80°	914.5	922.2	977.6	1128.5	1684.2	1550.3	2044.5	10850.4	13701.5	13718.4	8849.0
82.5°	728.2	729.7	791.3	825.2	1210.0	1108.4	1171.6	5094.2	5987.1	5759.3	3180.6
85°	512.7	501.9	772.8	677.4	791.3	711.2	646.6	2016.7	2475.5	2367.7	996.1
87.5°	170.9	177.0	343.3	438.8	461.8	403.3	287.9	772.8	934.5	926.8	315.6
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°	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6	5500.6
2.5°	5528.3	5479.1	5406.7	5326.7	5263.5	5198.9	5151.2	5126.5	5098.8	5075.7	5103.4
5°	5586.8	5494.5	5340.5	5189.6	5078.8	4980.3	4909.5	4872.5	4838.6	4815.5	4818.6
7.5°	5682.3	5532.9	5274.3	5054.2	4900.2	4794.0	4721.6	4697.0	4675.4	4669.3	4677.0
10°	5783.9	5563.7	5186.6	4894.1	4718.6	4630.8	4598.5	4615.4	4630.8	4644.7	4660.1
12.5°	5899.3	5591.4	5058.8	4706.2	4556.9	4523.0	4555.4	4629.3	4683.1	4715.5	4735.5
15°	6050.2	5616.1	4911.0	4518.4	4418.4	4456.8	4566.1	4693.9	4787.8	4847.9	4857.1
17.5°	6188.8	5614.5	4721.6	4329.1	4306.0	4418.4	4583.1	4763.2	4889.4	4974.1	4991.0
20°	6331.9	5573.0	4501.5	4144.3	4192.0	4376.8	4590.8	4807.8	4960.3	5058.8	5081.9
22.5°	6465.9	5500.6	4259.8	3976.5	4096.6	4321.4	4561.5	4781.7	4934.1	5014.1	5038.8
25°	6556.7	5374.4	4015.0	3834.9	4011.9	4253.6	4466.1	4643.1	4757.0	4797.1	4803.2
27.5°	6602.9	5209.7	3784.1	3711.7	3924.2	4142.8	4289.0	4376.8	4409.1	4406.0	4399.9
30°	6609.1	4992.6	3585.5	3611.7	3822.6	3979.6	4048.9	4031.9	3990.4	3919.6	3925.7
32.5°	6589.0	4747.8	3419.2	3516.2	3693.3	3781.0	3784.1	3702.5	3591.6	3479.3	3448.5
35°	6595.2	4507.6	3273.0	3408.4	3536.2	3574.7	3539.3	3419.2	3268.4	3123.6	3092.8
37.5°	6662.9	4298.3	3146.7	3283.7	3362.3	3371.5	3320.7	3194.5	3083.6	2942.0	2929.7
40°	6824.6	4148.9	3026.6	3143.7	3188.3	3192.9	3120.6	3031.3	3040.5	2965.1	2963.5
42.5°	7115.6	4084.3	2920.4	2997.4	3025.1	3034.3	2978.9	2922.0	3002.0	2952.8	2935.8
45°	7491.2	4099.7	2831.1	2854.2	2905.0	2948.1	2914.3	2845.0	2875.8	2661.8	2591.0
47.5°	7925.3	4198.2	2760.3	2731.1	2818.8	2900.4	2848.1	2743.4	2634.1	2421.6	2381.6
50°	8433.4	4350.6	2695.7	2609.4	2724.9	2835.8	2783.4	2634.1	2469.4	2366.2	2352.3
52.5°	8962.9	4536.9	2631.0	2475.5	2606.4	2786.5	2760.3	2609.4	2406.2	2304.6	2286.2
55°	9563.3	4724.7	2549.4	2320.0	2478.6	2763.4	2749.5	2520.2	2358.5	2301.5	2287.7
57.5°	10310.0	4938.7	2441.6	2158.4	2358.5	2680.3	2637.2	2466.3	2309.2	2266.1	2261.5
60°	11283.0	5254.3	2286.2	1985.9	2212.3	2552.5	2543.2	2387.8	2230.7	2199.9	2193.8
62.5°	12742.4	5776.2	2072.2	1813.5	2049.1	2335.4	2420.1	2281.5	2147.6	2146.1	2149.1
65°	15005.5	6561.3	1839.7	1662.7	1884.3	2152.2	2276.9	2172.2	2062.9	2093.7	2098.3
67.5°	17628.8	7212.5	1611.9	1514.9	1716.5	1978.3	2147.6	2062.9	1950.5	2030.6	2032.1
70°	18501.7	6630.6	1411.7	1368.6	1542.6	1810.4	2007.5	1942.8	1828.9	1909.0	1901.3
72°	17217.7	5352.8	1282.4	1257.8	1411.7	1671.9	1882.8	1830.5	1718.1	1772.0	1751.9
72.5°	16812.8	5103.4	1250.1	1230.1	1376.3	1636.5	1850.5	1802.7	1690.4	1736.6	1718.1
75°	14997.8	4432.2	1074.6	1079.2	1200.8	1464.1	1668.8	1653.4	1538.0	1542.6	1536.4
77.5°	10878.1	3249.9	905.2	936.0	1022.2	1287.0	1485.6	1476.4	1350.1	1327.0	1322.4
80°	5048.0	1658.0	737.4	751.3	840.6	1076.1	1267.0	1254.7	1153.1	1123.8	1106.9
82.5°	1728.9	788.2	554.2	563.5	651.2	866.7	1099.2	1091.5	1006.8	949.9	914.5
85°	617.3	392.6	388.0	378.7	464.9	682.0	957.6	916.0	791.3	674.3	671.2
87.5°	200.1	167.8	200.1	198.6	271.0	461.8	695.9	592.7	574.2	477.2	468.0
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)