

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: P318454

Luminaire Tested: **GAN-SA0C-750-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-750-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70024 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

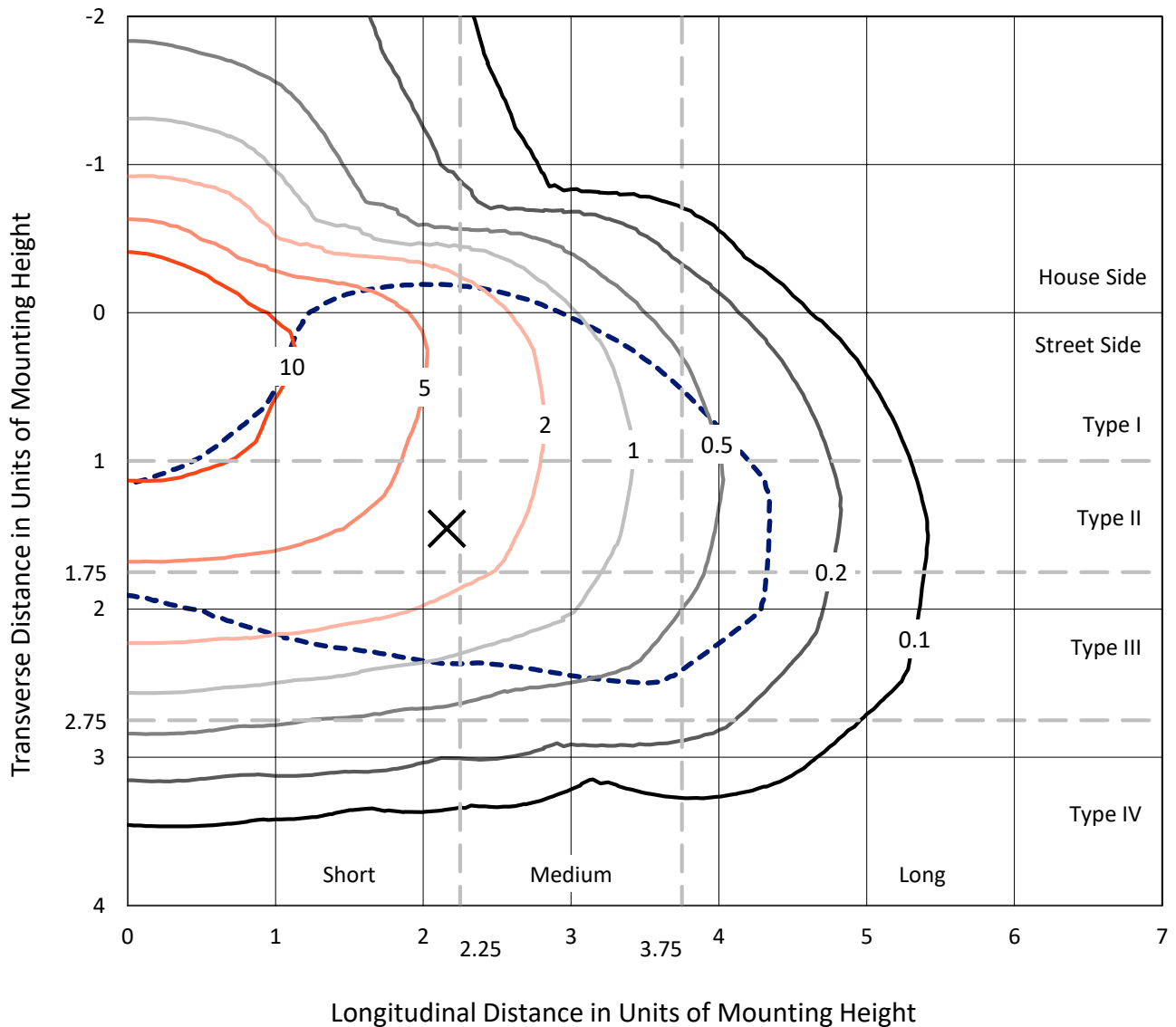
Input Watts (W): 558
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318454
 CATALOG NUMBER: GAN-SA0C-750-U-T3

Iso-Footcandle Lines of Horizontal Illumination

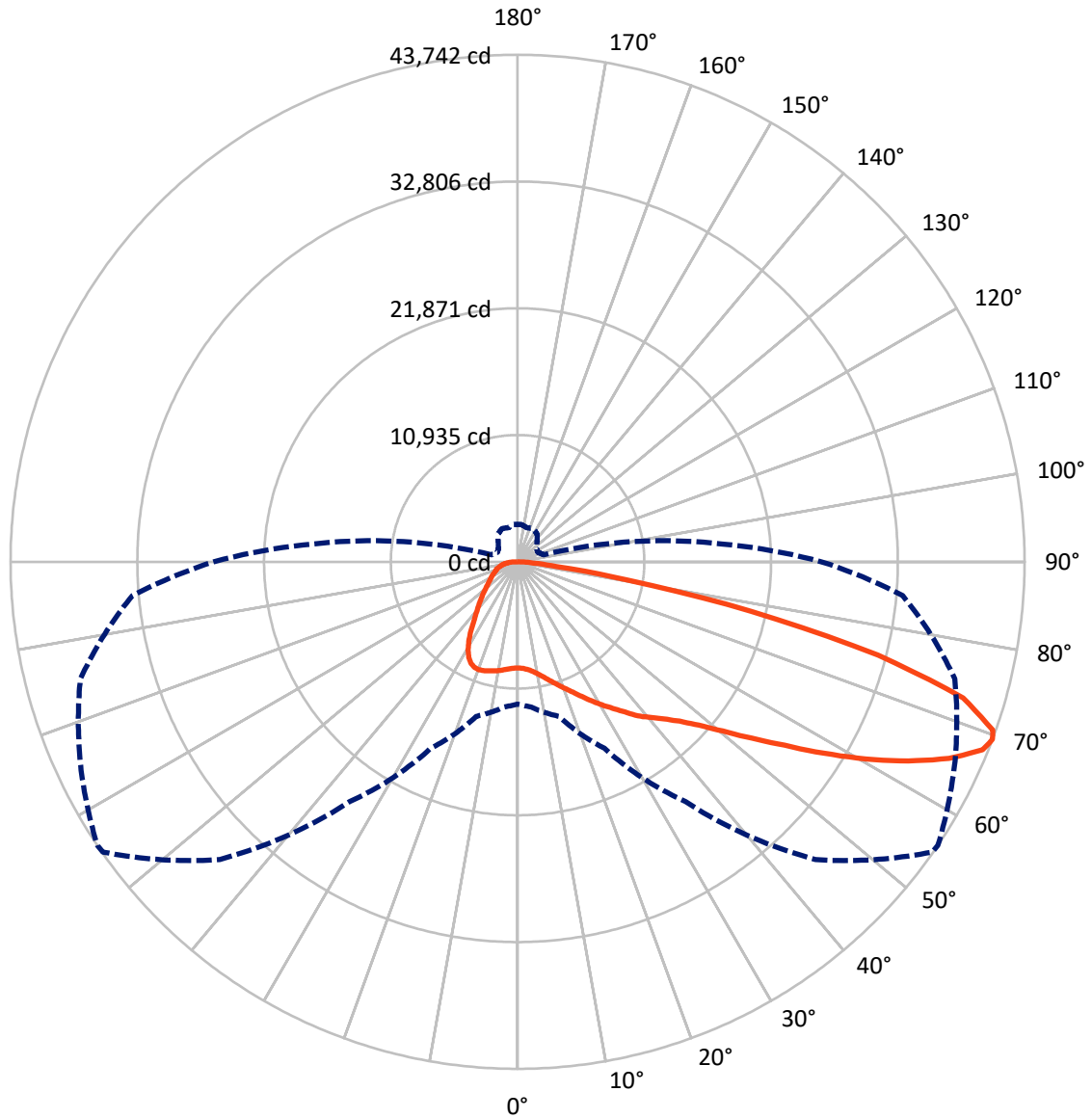
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 fc
 Type III - Short - N/A

REPORT NUMBER: P318454
CATALOG NUMBER: GAN-SA0C-750-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P318454
 CATALOG NUMBER: GAN-SAOC-750-U-T3

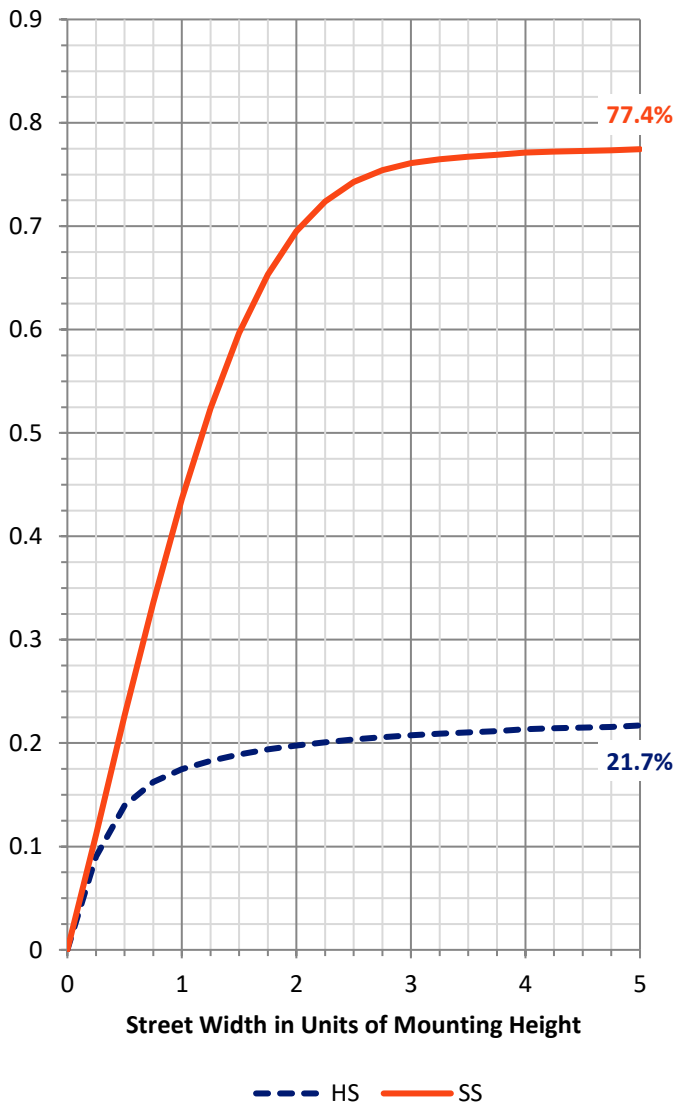
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15594.2	0.0	15594.2
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	54429.8	0.0	54429.8
	% Fixture	77.7	0.0	77.7
Total	Lumens	70024.0	0.0	70024.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	899.1	1.3
10°-20°	2891.2	4.1
20°-30°	5047.0	7.2
30°-40°	7249.8	10.4
40°-50°	10033.3	14.3
50°-60°	14700.2	21.0
60°-70°	17922.3	25.6
70°-80°	9908.6	14.2
80°-90°	1372.3	2.0
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°	70024.0	100.0
0°-180°	70024.0	100.0

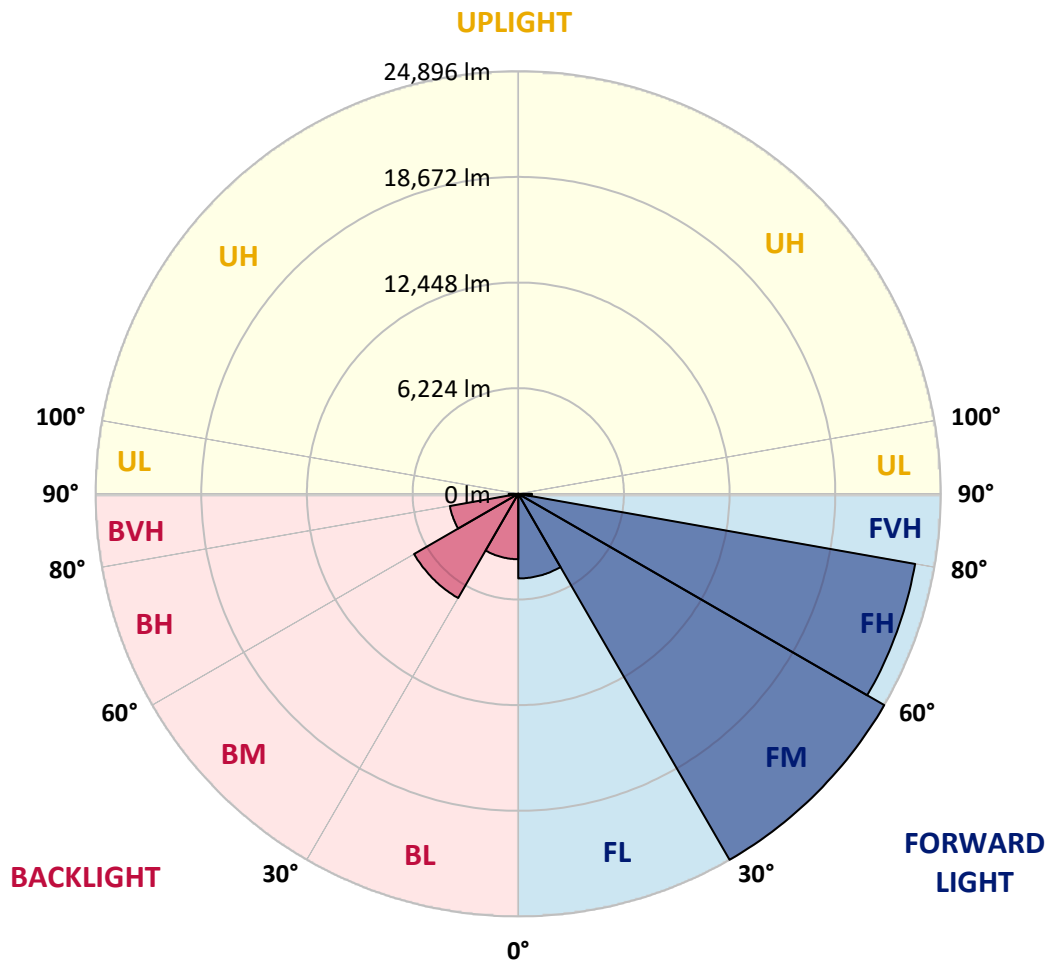


REPORT NUMBER: P318454
 CATALOG NUMBER: GAN-SAOC-750-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4983.6	7.1			
FM (30°-60°)	24896.1	35.6			
FH (60°-80°)	23741.7	33.9			G5
FVH (80°-90°)	808.4	1.2			G5
BL (0°-30°)	3853.7	5.5	B4/5000		
BM (30°-60°)	7087.2	10.1	B4/8500		
BH (60°-80°)	4089.3	5.8	B4/5000		G4/5000
BVH (80°-90°)	564.0	0.8			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short





REPORT NUMBER: P318454

CATALOG NUMBER: GAN-SAOC-750-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6
2.5°	9212.5	9222.1	9214.9	9234.2	9212.5	9227.0	9214.9	9214.9	9207.7	9185.9	9161.8
5°	9357.2	9376.5	9364.5	9383.8	9357.2	9362.0	9340.3	9340.3	9318.6	9272.8	9224.5
7.5°	9584.0	9605.7	9596.0	9615.3	9579.1	9579.1	9550.2	9547.8	9504.4	9429.6	9374.1
10°	9854.1	9883.1	9873.4	9902.4	9873.4	9883.1	9854.1	9854.1	9796.2	9690.1	9620.2
12.5°	10247.3	10283.5	10257.0	10254.6	10242.5	10261.8	10237.7	10232.9	10179.8	10035.1	9938.6
15°	10773.2	10811.8	10756.3	10751.5	10684.0	10676.7	10676.7	10669.5	10635.7	10462.0	10302.8
17.5°	11378.7	11390.8	11342.5	11265.3	11178.5	11123.0	11115.8	11135.1	11135.1	10932.4	10679.1
20°	11972.1	11993.8	11955.2	11868.4	11757.4	11675.4	11617.5	11656.1	11653.7	11412.5	11053.0
22.5°	12618.6	12669.3	12611.4	12500.4	12370.1	12278.5	12177.2	12210.9	12213.3	11916.6	11419.7
25°	13455.7	13409.8	13373.7	13216.9	13031.1	12937.0	12843.0	12876.7	12867.1	12459.4	11798.4
27.5°	14196.2	14205.9	14157.6	13991.2	13776.5	13569.0	13564.2	13585.9	13549.7	13023.9	12155.5
30°	15057.4	15062.2	14994.7	14845.1	14611.2	14343.4	14280.7	14316.9	14239.7	13559.4	12531.8
32.5°	15913.8	15937.9	15863.1	15682.2	15494.0	15168.4	15042.9	15067.1	14874.1	14107.0	12920.1
35°	16664.0	16697.8	16673.6	16553.0	16348.0	16068.2	15918.6	15904.1	15665.3	14777.6	13434.0
37.5°	17428.7	17460.0	17433.5	17332.2	17250.2	16953.5	16873.9	16873.9	16459.0	15462.7	14087.7
40°	18215.1	18263.3	18232.0	18092.1	18022.1	17887.0	17696.5	17650.6	17201.9	16285.3	15153.9
42.5°	18946.0	19008.7	19134.2	19052.1	18909.8	18929.1	18545.6	18521.4	18193.4	17501.1	16492.7
45°	19983.3	20075.0	20287.2	20224.5	20195.6	20089.4	19633.5	19611.8	19486.4	19136.6	18154.8
47.5°	21114.6	21240.1	21623.6	21635.7	21946.9	21746.7	21126.7	21051.9	21080.9	21095.3	20183.5
50°	22156.7	22294.2	22923.9	23220.6	23953.9	23997.3	23005.9	22938.3	23051.7	23384.6	22547.5
52.5°	22989.0	23162.7	23949.1	24865.7	26122.5	26479.5	25319.2	25268.6	25353.0	25927.1	25220.3
55°	23599.3	23787.4	24643.8	26313.1	28320.1	28949.7	27982.4	27934.1	27987.2	28718.1	28127.1
57.5°	23741.6	23787.4	25029.8	27287.7	30175.1	31687.6	31241.4	31144.9	30884.4	31521.2	31335.5
60°	23073.4	23256.7	24711.3	27630.2	31610.5	34387.0	34647.5	34526.9	33796.0	34317.0	34167.5
62.5°	21717.7	22045.8	23522.1	27109.1	32172.5	36591.8	37988.5	37843.8	36584.6	36922.3	36203.4
65°	19503.2	19643.2	21194.2	25312.0	31458.5	38003.0	40967.7	40895.3	39310.4	38782.1	36579.7
67.5°	15542.3	15805.2	17122.3	21556.1	28537.2	37836.5	43271.4	43264.2	41090.7	39472.1	35245.8
69°	12278.5	12551.1	13805.5	17756.8	25251.7	36314.4	43657.4	43741.8	41592.4	39052.3	33340.1
70°	9789.0	10105.0	10966.2	14956.1	22335.3	34307.4	43336.5	43488.5	41496.0	38360.0	31581.5
72.5°	4166.0	4421.7	5034.4	7709.6	13612.5	25618.4	39624.0	40198.2	39259.8	35108.3	26100.8
75°	1818.9	1898.5	2175.9	3143.2	6042.7	13942.9	31041.2	32102.6	33569.2	29675.8	19442.9
77.5°	1331.6	1365.3	1517.3	1845.4	2711.4	5266.0	19961.6	20579.1	24209.6	21594.7	11926.3
80°	1030.0	1054.2	1172.4	1355.7	1770.6	2130.0	9103.9	9634.6	13612.5	11091.6	4966.9
82.5°	820.2	837.1	919.1	998.7	1223.0	1290.6	3022.6	3353.1	5024.8	3063.6	1314.7
85°	762.3	781.6	810.5	728.5	784.0	757.5	1307.5	1367.8	1517.3	1203.7	550.0
87.5°	345.0	407.7	803.3	566.9	417.3	332.9	535.5	559.6	629.6	632.0	243.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P318454
 CATALOG NUMBER: GAN-SAOC-750-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6	9154.6
2.5°	9176.3	9169.1	9181.1	9152.2	9188.4	9185.9	9173.9	9178.7	9202.8	9200.4	9202.8
5°	9231.8	9227.0	9241.4	9219.7	9263.1	9277.6	9280.0	9301.7	9328.3	9335.5	9335.5
7.5°	9371.7	9371.7	9378.9	9350.0	9378.9	9376.5	9364.5	9386.2	9412.7	9415.1	9412.7
10°	9612.9	9615.3	9603.3	9528.5	9504.4	9439.2	9378.9	9381.3	9415.1	9441.6	9448.9
12.5°	9916.9	9907.2	9854.1	9716.6	9615.3	9482.7	9419.9	9417.5	9451.3	9473.0	9480.2
15°	10264.2	10237.7	10100.2	9875.9	9697.3	9567.1	9465.8	9441.6	9422.3	9398.2	9400.6
17.5°	10592.3	10532.0	10302.8	9991.6	9803.5	9629.8	9434.4	9277.6	9169.1	9106.3	9087.0
20°	10925.2	10807.0	10476.5	10100.2	9861.4	9545.4	9169.1	8850.6	8652.8	8561.2	8544.3
22.5°	11229.1	11038.6	10638.1	10213.6	9815.5	9260.7	8669.7	8206.6	7931.6	7808.5	7818.2
25°	11525.9	11260.5	10807.0	10293.2	9584.0	8759.0	7975.0	7405.7	7087.3	6949.8	6944.9
27.5°	11786.4	11484.8	10990.3	10228.0	9152.2	8044.9	7152.4	6597.6	6332.2	6214.0	6194.7
30°	12085.5	11767.1	11234.0	9979.6	8520.2	7219.9	6349.1	5958.3	5770.2	5652.0	5630.3
32.5°	12449.8	12150.6	11434.2	9528.5	7712.0	6358.8	5721.9	5449.3	5278.1	5145.4	5121.3
35°	12980.5	12657.2	11484.8	8882.0	6824.3	5678.5	5261.2	4981.3	4749.8	4578.5	4561.6
37.5°	13646.2	13291.6	11369.1	8044.9	5963.1	5237.0	4877.6	4532.7	4231.1	3989.9	3951.3
40°	14606.3	14070.8	11048.2	7080.0	5328.7	4896.9	4503.7	4110.5	3736.6	3454.4	3398.9
42.5°	15759.4	14985.1	10556.1	6119.9	4863.1	4552.0	4132.2	3644.9	3287.9	3087.7	3058.8
45°	17226.1	15935.5	9873.4	5280.5	4404.8	4207.0	3731.8	3283.1	3061.2	2914.0	2889.9
47.5°	18900.2	17001.7	9157.0	4597.8	4016.4	3883.8	3411.0	3121.5	2945.4	2829.6	2807.9
50°	20957.8	18205.4	8397.1	4038.1	3625.6	3495.4	3259.0	3032.2	2892.3	2803.1	2781.4
52.5°	23278.5	19563.6	7849.5	3596.7	3302.4	3208.3	3179.4	2984.0	2870.6	2803.1	2781.4
55°	25777.6	20945.8	7258.5	3225.2	3022.6	3049.1	3126.3	2988.8	2911.6	2829.6	2798.2
57.5°	28279.1	22373.9	6600.0	2911.6	2800.7	2930.9	3090.1	2998.5	2933.3	2853.7	2824.8
60°	30257.2	23278.5	5579.6	2648.7	2624.6	2800.7	3003.3	2926.1	2841.7	2844.1	2839.2
62.5°	31181.1	23230.2	4453.1	2414.7	2448.5	2624.6	2863.4	2812.7	2742.8	2836.8	2844.1
65°	30662.4	22072.3	3466.4	2202.4	2260.3	2441.2	2718.6	2757.2	2781.4	2962.3	2986.4
67.5°	28486.6	19819.3	2684.9	2016.7	2089.0	2315.8	2733.1	3003.3	3034.6	3225.2	3222.8
69°	26235.9	17706.1	2332.7	1920.2	2004.6	2347.1	2921.3	3160.1	3041.9	3244.5	3215.6
70°	24349.5	16034.4	2144.5	1855.0	1966.0	2402.6	3046.7	3157.7	3005.7	3179.4	3131.1
72.5°	18753.0	11535.5	1818.9	1734.4	1835.7	2298.9	3082.9	3087.7	2921.3	2955.0	2873.0
75°	12862.3	7289.9	1587.3	1570.4	1637.9	2072.1	2967.1	2950.2	2701.7	2653.5	2586.0
77.5°	7092.1	3702.8	1348.5	1413.6	1459.4	1835.7	2696.9	2672.8	2467.8	2366.4	2342.3
80°	2735.5	1621.0	1138.6	1256.8	1285.7	1589.7	2364.0	2342.3	2171.0	2040.8	2004.6
82.5°	1032.5	849.1	940.8	1087.9	1078.3	1312.3	2002.2	1990.1	1823.7	1633.1	1575.2
85°	477.6	509.0	745.4	897.4	827.4	972.1	1601.8	1623.5	1420.8	1194.1	1194.1
87.5°	202.6	284.6	528.3	677.8	557.2	656.1	1174.8	1121.7	1030.0	714.0	670.6
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)