

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: P317804

Luminaire Tested: **GAN-SA0B-750-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-750-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57831 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

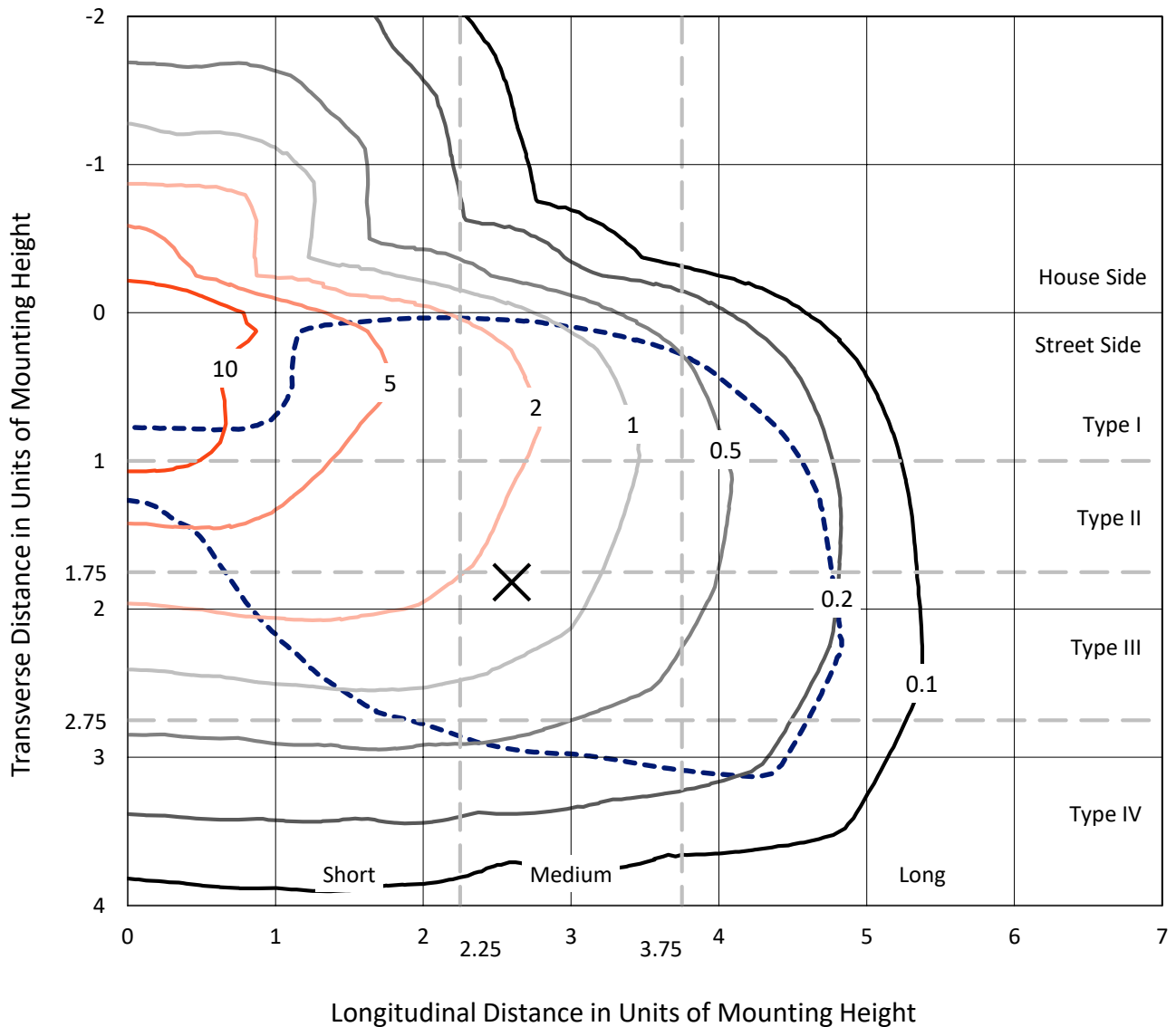
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

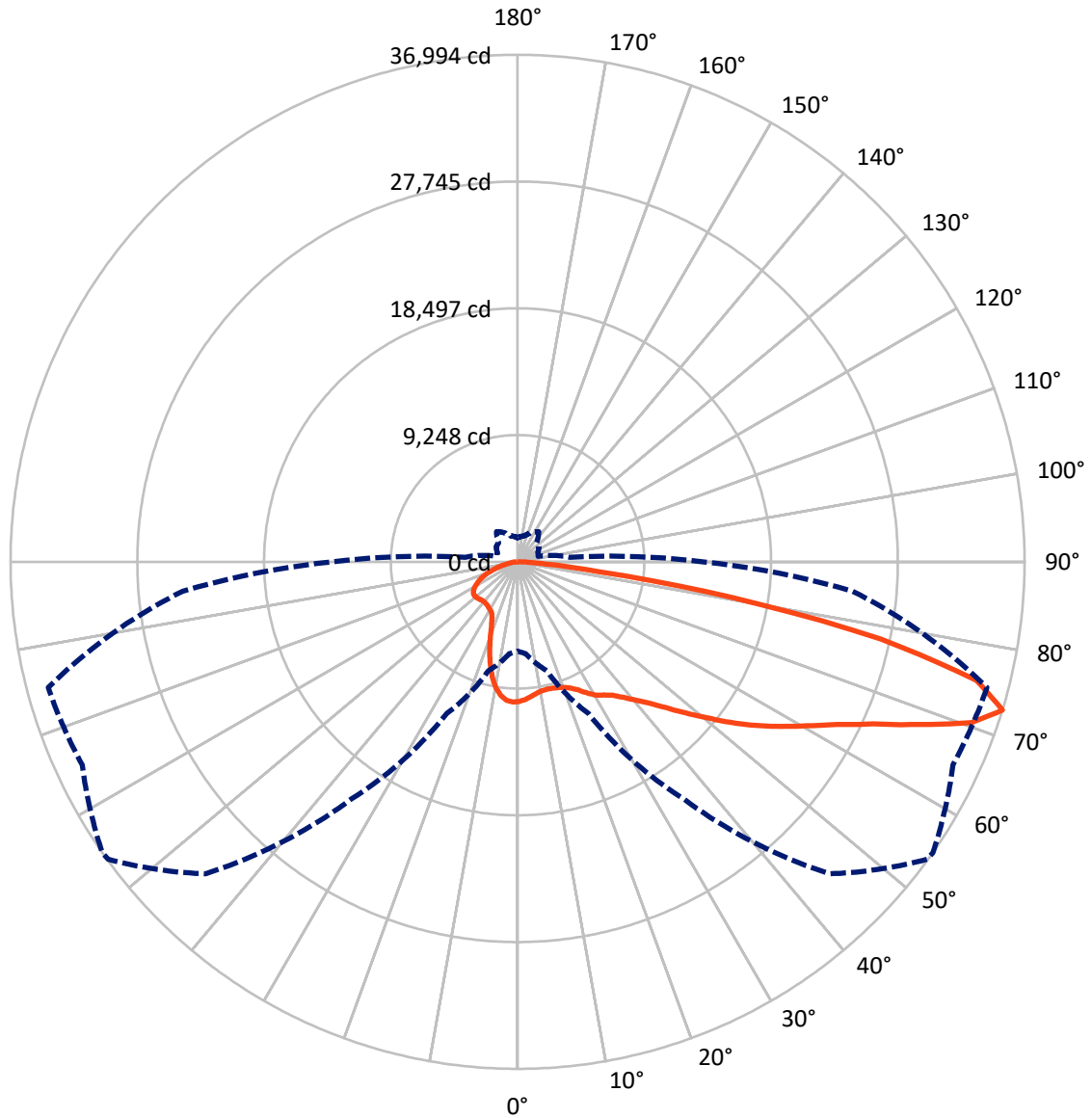
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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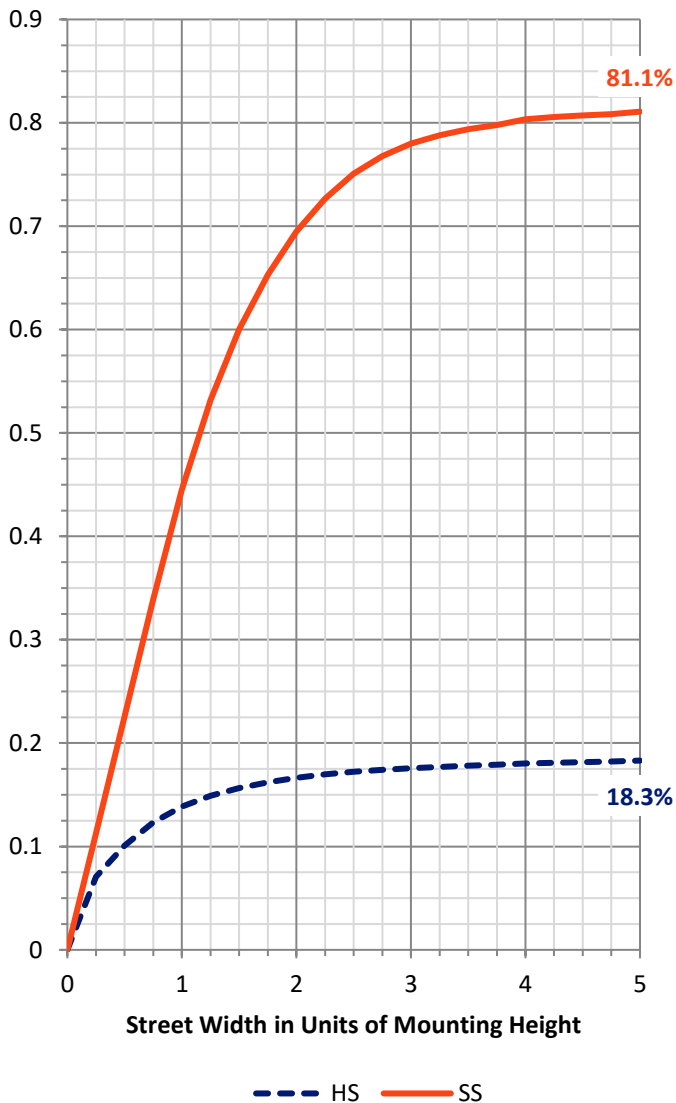
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10748.9	0.0	10748.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	47082.1	0.0	47082.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	57831.0	0.0	57831.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.0	1.6
10°-20°	2457.3	4.2
20°-30°	4051.6	7.0
30°-40°	5993.3	10.4
40°-50°	8365.3	14.5
50°-60°	10891.9	18.8
60°-70°	13385.9	23.1
70°-80°	10492.9	18.1
80°-90°	1269.8	2.2
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°	57831.0	100.0
0°-180°	57831.0	100.0

Coefficient of Utilization

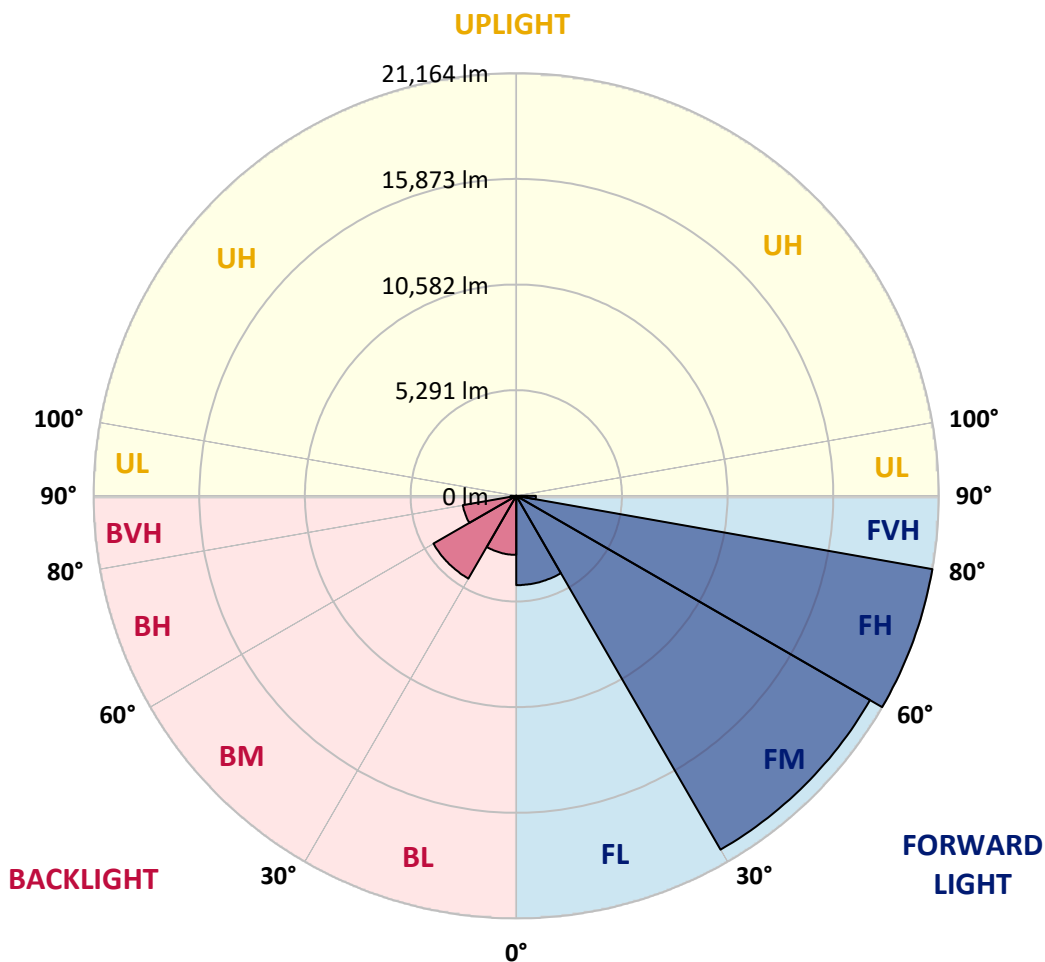


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4474.4	7.7			
FM (30°-60°)	20461.8	35.4			
FH (60°-80°)	21164.2	36.6			G5
FVH (80°-90°)	981.7	1.7			G5
BL (0°-30°)	2957.5	5.1	B4/5000		
BM (30°-60°)	4788.8	8.3	B3/5000		
BH (60°-80°)	2714.6	4.7	B4/5000		G4/5000
BVH (80°-90°)	288.1	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1
2.5°	9868.1	9844.6	9873.9	9915.0	9959.9	10020.4	10055.6	10071.2	10131.8	10155.2	10206.0
5°	9411.0	9399.3	9448.1	9518.4	9618.1	9758.7	9872.0	9893.5	10053.6	10166.9	10270.5
7.5°	9078.9	9078.9	9135.6	9219.6	9330.9	9520.4	9680.6	9709.9	9981.4	10225.5	10417.0
10°	8815.3	8825.0	8891.4	8991.1	9121.9	9323.1	9536.0	9569.2	9961.8	10362.3	10667.0
12.5°	8639.5	8662.9	8723.4	8813.3	8975.4	9219.6	9489.1	9534.1	10002.9	10557.6	10967.8
15°	8750.8	8789.9	8795.7	8832.8	8922.7	9188.3	9516.5	9563.4	10090.8	10756.8	11309.6
17.5°	9239.1	9252.8	9192.2	9114.1	9071.1	9241.1	9598.5	9647.4	10196.2	10954.1	11637.8
20°	9981.4	9973.6	9842.7	9631.7	9413.0	9440.3	9733.3	9784.1	10338.8	11128.0	11965.9
22.5°	10919.0	10891.6	10690.4	10301.7	9928.6	9772.4	9969.7	10012.6	10553.7	11376.0	12317.5
25°	12055.8	11995.2	11729.6	11208.0	10659.2	10256.8	10325.2	10366.2	10866.2	11653.4	12639.8
27.5°	13255.1	13194.6	12856.6	12225.7	11495.2	10868.2	10815.4	10850.6	11221.7	11858.5	12878.1
30°	14509.1	14444.7	14136.0	13429.0	12382.0	11501.0	11272.5	11286.2	11471.7	11969.8	13073.5
32.5°	15769.0	15708.5	15362.7	14542.3	13345.0	12180.8	11602.6	11585.0	11622.1	12085.1	13294.2
35°	17046.5	17069.9	16665.6	15757.3	14411.5	12936.7	11993.3	11956.2	11874.1	12321.4	13606.7
37.5°	18413.8	18398.2	17874.7	16925.4	15526.8	13757.1	12553.9	12548.0	12264.8	12768.7	14097.0
40°	19327.9	19337.7	19019.3	18120.8	16653.9	14665.4	13272.7	13259.0	12887.9	13438.7	14739.6
42.5°	19685.4	19749.8	19831.9	19261.5	17833.6	15718.2	14130.2	14110.7	13757.1	14399.7	15495.5
45°	19710.8	19839.7	20347.5	20275.3	19029.1	16923.4	15226.0	15171.3	14917.4	15677.2	16398.0
47.5°	19492.0	19624.8	20468.7	20878.8	20097.5	18195.0	16507.4	16464.4	16245.6	17275.0	17374.6
50°	19013.4	19140.4	20218.6	21173.8	20976.5	19417.8	17984.1	17870.8	17753.6	19120.9	18491.9
52.5°	18116.9	18361.0	19884.6	21244.1	21502.0	20503.8	19536.9	19462.7	19527.2	21068.3	19611.2
55°	15993.6	16267.1	19023.2	21185.5	21890.7	21416.0	21089.8	21085.9	21419.9	23111.5	20812.4
57.5°	14804.1	14997.5	17269.1	21085.9	22351.6	22322.3	22627.1	22664.2	23314.6	25336.3	22070.4
60°	14132.1	14335.3	16380.4	20716.7	23066.5	23494.3	24195.6	24269.8	25240.6	27799.4	23584.2
62.5°	13520.8	13743.4	15829.6	19964.7	23908.4	25170.3	26074.6	26141.0	27279.8	30330.9	25047.2
65°	12475.7	12727.7	15022.8	19470.5	24674.1	27356.0	28463.5	28508.4	29621.8	32983.5	26166.4
67.5°	10999.0	11229.5	13501.2	18378.6	25240.6	30010.5	31639.6	31665.0	31944.3	34856.7	26738.8
70°	9274.3	9362.2	11333.1	16124.5	24570.6	32493.2	35120.4	35126.2	34061.7	36056.0	26645.0
72.5°	6516.2	6723.3	8227.3	12206.2	21115.2	32190.4	36927.2	36993.6	35046.1	35450.5	24515.9
75°	3996.5	4215.2	5160.6	7397.2	13395.7	25316.7	34118.3	34579.3	33200.3	31608.3	20027.2
77.5°	2672.1	2754.2	3367.5	4312.9	6068.9	14565.8	26230.9	27098.2	27580.6	23050.9	12807.8
80°	1490.4	1646.6	2232.6	2679.9	2699.5	5787.6	15728.0	15931.1	15345.1	9178.6	3951.5
82.5°	789.1	875.1	1490.4	1574.4	1472.8	1937.7	5861.9	5867.7	4902.8	2461.2	1173.9
85°	611.4	683.7	1021.6	961.0	752.0	859.5	1933.8	2039.2	1668.1	1007.9	382.8
87.5°	304.7	378.9	693.4	609.4	294.9	246.1	691.5	738.3	658.3	394.6	138.7
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°	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1	10200.1
2.5°	10225.5	10243.1	10264.6	10241.2	10233.4	10202.1	10149.4	10137.6	10110.3	10112.2	10127.9
5°	10315.4	10344.7	10333.0	10243.1	10135.7	9985.3	9829.0	9696.2	9608.3	9602.4	9596.6
7.5°	10487.3	10506.8	10415.0	10159.1	9858.3	9510.6	9182.5	8895.3	8721.5	8678.5	8668.8
10°	10756.8	10752.9	10501.0	9985.3	9385.6	8764.5	8237.1	7838.6	7606.2	7537.8	7520.2
12.5°	11057.6	11012.7	10530.3	9668.8	8717.6	7856.2	7188.2	6744.8	6502.5	6424.4	6404.9
15°	11368.2	11256.9	10458.0	9196.1	7897.2	6877.6	6176.3	5766.1	5635.3	5592.3	5584.5
17.5°	11657.3	11442.4	10250.9	8555.5	6961.6	5902.9	5356.0	5191.9	5223.1	5279.8	5281.7
20°	11940.5	11567.5	9918.9	7746.8	5975.2	5100.1	4914.5	5035.6	5184.1	5299.3	5314.9
22.5°	12219.9	11655.4	9491.1	6813.1	5092.3	4648.9	4779.7	5000.5	5170.4	5295.4	5316.9
25°	12454.3	11676.8	8901.2	5816.9	4478.9	4478.9	4715.3	4924.3	5092.3	5215.3	5236.8
27.5°	12540.2	11532.3	8069.1	4895.0	4170.3	4400.8	4625.4	4799.3	4941.9	5072.7	5096.2
30°	12573.4	11264.7	7108.1	4154.7	4043.3	4316.8	4504.3	4652.8	4787.5	4910.6	4932.1
32.5°	12579.3	10942.4	6088.4	3734.7	3955.4	4228.9	4353.9	4484.8	4629.3	4678.2	4686.0
35°	12616.4	10561.5	5014.1	3519.9	3873.4	4146.9	4246.5	4340.2	4105.8	4123.4	4139.0
37.5°	12723.8	10184.5	4115.6	3398.7	3820.7	4103.9	4223.0	3883.2	3699.6	3656.6	3650.7
40°	12925.0	9782.1	3449.5	3301.1	3801.1	4125.4	4072.6	3625.3	3308.9	3072.5	3037.4
42.5°	13204.3	9348.5	3023.7	3236.6	3814.8	4228.9	3863.6	3377.3	2851.8	2699.5	2679.9
45°	13518.8	8893.4	2793.2	3191.7	3861.7	4309.0	3820.7	3047.2	2638.9	2523.7	2513.9
47.5°	13823.5	8336.7	2674.1	3172.2	3926.1	4244.5	3639.0	2945.6	2537.3	2476.8	2482.6
50°	14173.2	7834.7	2601.8	3150.7	3982.8	4203.5	3433.9	2892.8	2498.3	2572.5	2650.6
52.5°	14468.1	7315.1	2537.3	3107.7	4004.3	4131.2	3381.2	2902.6	2498.3	2640.9	2715.1
55°	14817.8	6922.5	2463.1	3017.9	3963.3	3926.1	3344.1	2961.2	2527.6	2437.7	2445.5
57.5°	15269.0	6793.6	2381.1	2877.2	3826.5	3627.3	3326.5	3017.9	2510.0	2453.3	2472.9
60°	15894.0	6930.3	2347.9	2693.6	3613.6	3392.9	3328.4	2988.6	2386.9	2289.3	2291.2
62.5°	16489.8	7082.7	2345.9	2578.4	3351.9	3183.9	3283.5	2892.8	2324.4	2267.8	2289.3
65°	16685.1	6928.4	2252.2	2449.4	3056.9	2933.9	3201.5	2791.3	2277.6	2191.6	2187.7
67.5°	16423.4	6449.8	2062.7	2240.4	2719.0	2642.8	3094.0	2670.2	2203.3	2133.0	2121.3
70°	15646.0	5381.3	1828.3	1965.0	2334.2	2314.7	2924.1	2529.5	2103.7	2043.2	1992.4
72.5°	13554.0	3834.3	1541.2	1634.9	1900.6	1963.1	2689.7	2345.9	1963.1	1832.2	1754.1
75°	11131.9	2838.1	1265.7	1285.3	1443.5	1613.4	2367.4	2131.1	1797.0	1574.4	1513.8
77.5°	6817.0	1736.5	1007.9	1015.7	1035.3	1287.2	1949.4	1890.8	1586.1	1312.6	1269.6
80°	2207.2	947.4	728.6	765.7	707.1	943.4	1507.9	1609.5	1361.5	1097.8	1050.9
82.5°	839.9	552.8	492.2	517.6	490.3	632.9	1099.7	1289.2	1115.3	902.4	734.4
85°	406.3	312.5	291.0	326.2	302.8	324.2	703.2	949.3	845.8	587.9	546.9
87.5°	144.5	138.7	111.3	150.4	128.9	115.2	214.9	478.6	558.6	404.3	361.4
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)