

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: P650161

Luminaire Tested: **GLAN-SA9A-835-U-T3R-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9A-835-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25415.4 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

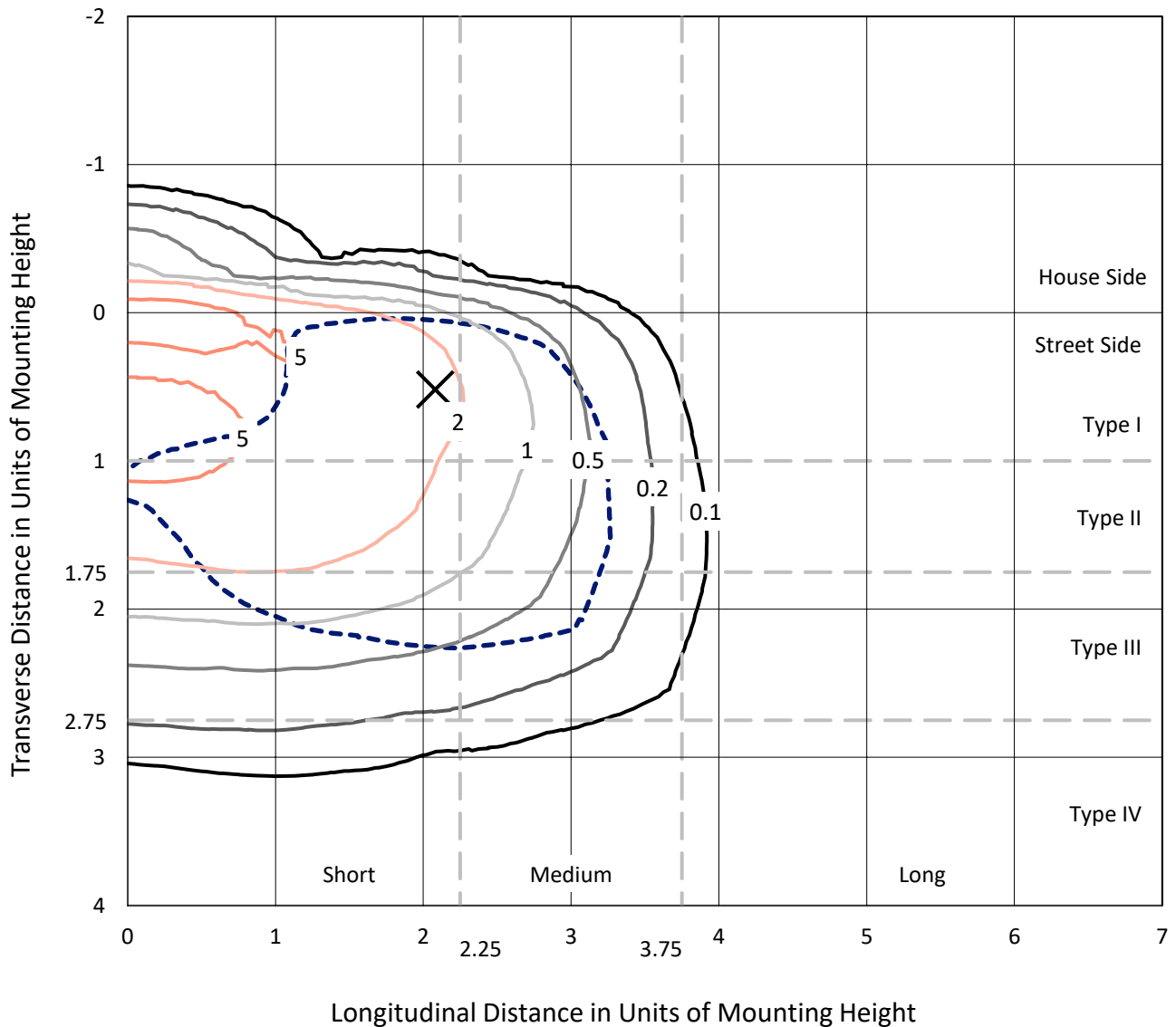
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

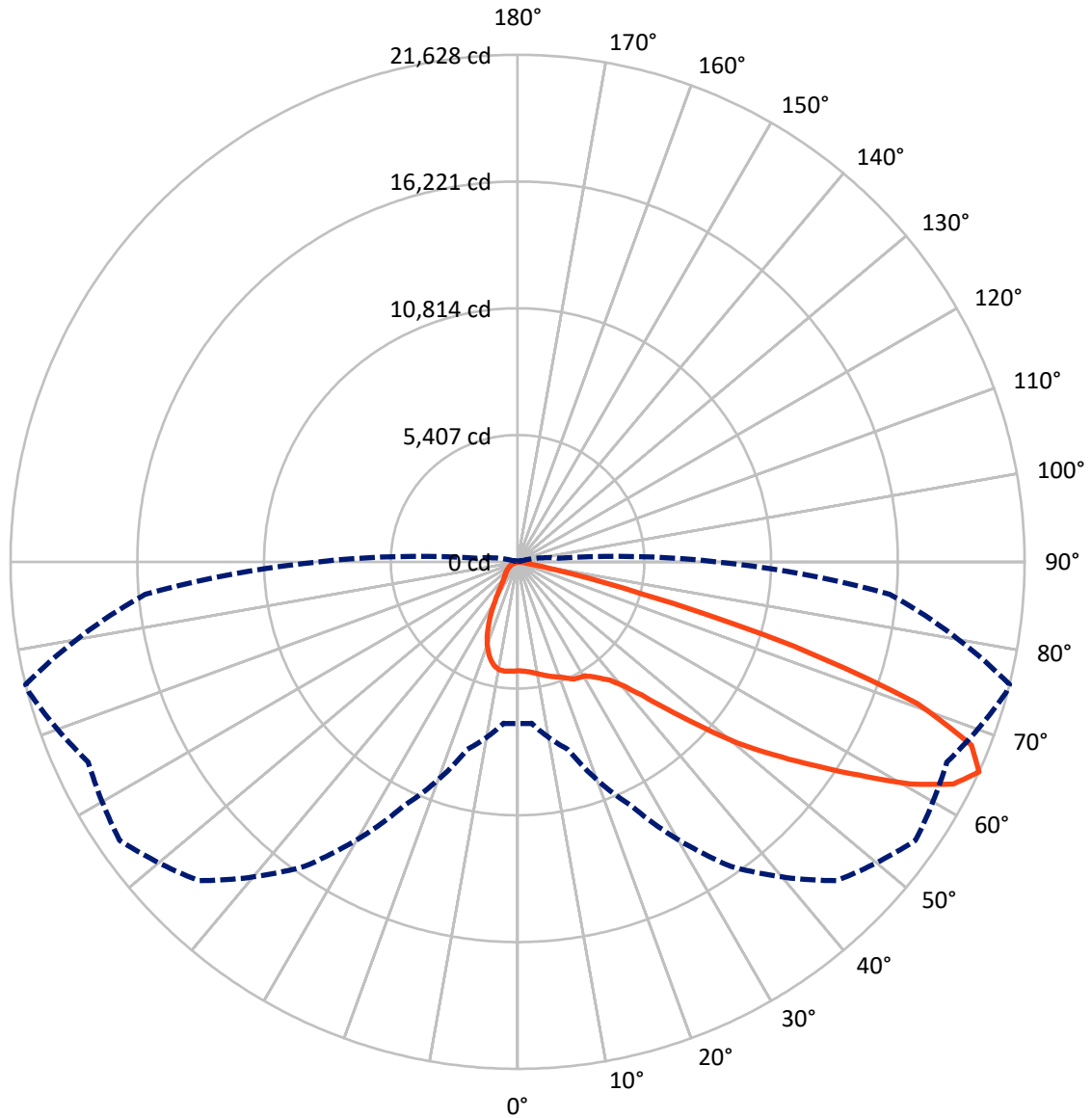
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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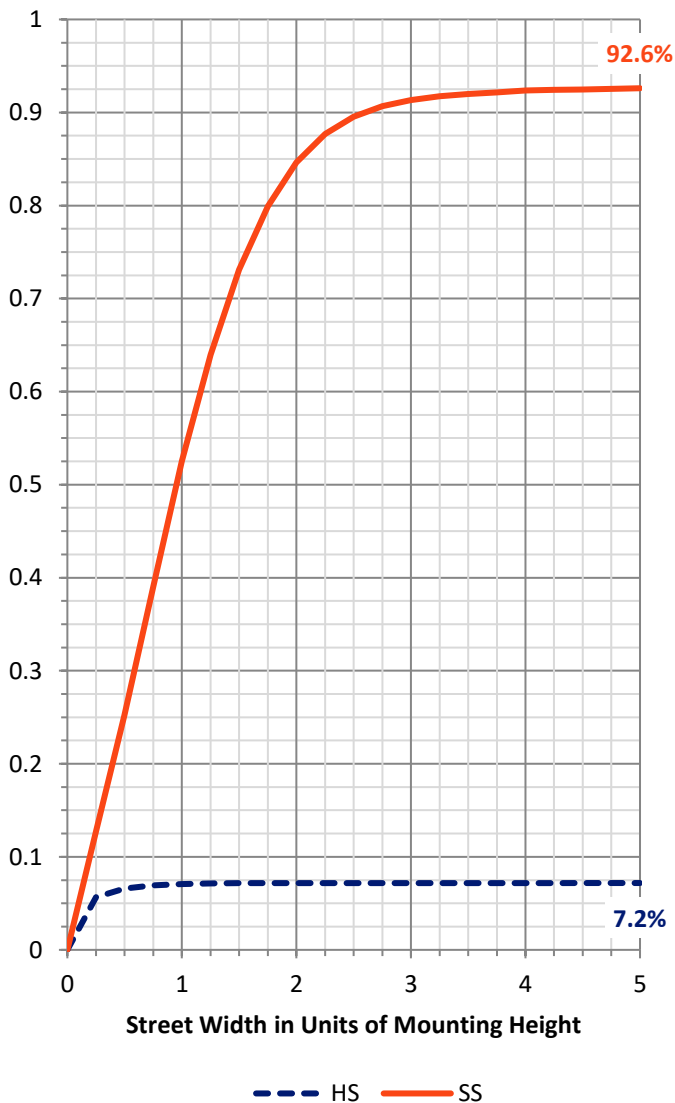
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1835.5	0.0	1835.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	23579.9	0.0	23579.9
	% Fixture	92.8	0.0	92.8
Total	Lumens	25415.4	0.0	25415.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.0	1.5
10°-20°	852.8	3.4
20°-30°	1374.1	5.4
30°-40°	2389.3	9.4
40°-50°	3948.2	15.5
50°-60°	6099.1	24.0
60°-70°	7447.9	29.3
70°-80°	2826.7	11.1
80°-90°	94.3	0.4
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°	25415.4	100.0
0°-180°	25415.4	100.0

Coefficient of Utilization

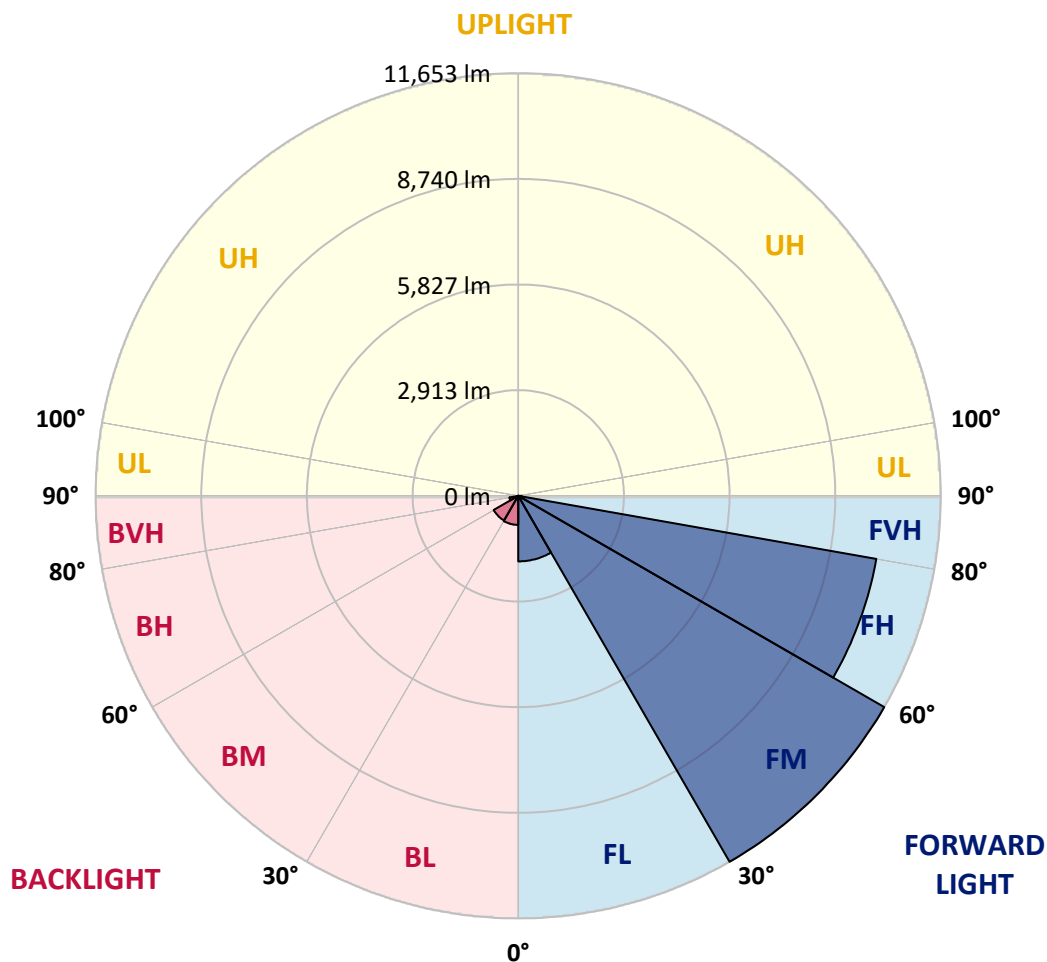


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1808.0	7.1			
FM (30°-60°)	11653.3	45.9			
FH (60°-80°)	10025.5	39.4			G4/12000
FVH (80°-90°)	93.0	0.4			G1/100
BL (0°-30°)	801.9	3.2	B2/1000		
BM (30°-60°)	783.3	3.1	B1/1000		
BH (60°-80°)	249.1	1.0	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3
2.5°	4442.9	4444.7	4455.5	4482.4	4523.7	4557.8	4586.5	4633.2	4665.4	4669.0	4679.8
5°	4136.1	4114.6	4136.1	4206.0	4268.8	4364.0	4480.6	4597.2	4701.3	4708.5	4758.8
7.5°	3791.6	3809.5	3843.6	3915.4	4033.8	4179.2	4347.8	4556.0	4753.4	4771.3	4870.0
10°	3441.7	3481.1	3536.7	3646.2	3811.3	3999.7	4229.4	4527.3	4835.9	4861.0	5031.5
12.5°	3118.7	3136.6	3204.8	3351.9	3556.5	3822.1	4139.6	4511.1	4927.4	4958.0	5203.7
15°	2871.0	2894.4	2953.6	3086.4	3314.3	3655.2	4066.1	4505.8	5017.2	5060.2	5376.0
17.5°	2824.4	2838.8	2863.8	2953.6	3152.7	3522.4	3999.7	4504.0	5103.3	5155.3	5535.7
20°	3016.4	3003.8	2978.7	2969.8	3079.2	3420.1	3951.3	4518.3	5185.8	5245.0	5704.4
22.5°	3497.3	3513.4	3366.3	3192.2	3156.4	3403.9	3944.1	4586.5	5316.8	5386.8	5892.8
25°	4518.3	4394.5	4164.8	3748.5	3434.5	3502.7	4024.9	4748.0	5469.3	5546.5	6063.2
27.5°	5647.0	5609.3	5252.2	4566.8	3981.8	3710.8	4168.4	4871.8	5519.6	5598.5	6160.2
30°	6755.9	6800.7	6391.6	5634.4	4776.7	4096.6	4303.0	4918.4	5564.5	5647.0	6284.0
32.5°	7784.1	7837.9	7479.1	6729.0	5713.4	4764.2	4534.4	5099.7	5752.9	5837.2	6490.4
35°	8593.3	8600.6	8329.6	7732.0	6736.1	5575.2	5035.1	5417.3	6007.6	6106.3	6709.3
37.5°	9336.3	9325.5	9007.9	8492.9	7588.5	6380.9	5664.9	5783.3	6298.4	6400.6	7025.1
40°	9887.2	9894.3	9792.0	9307.5	8383.4	7125.5	6163.8	6126.1	6786.4	6946.1	7484.5
42.5°	10255.0	10321.3	10371.6	10125.8	9382.9	8042.5	6929.9	6860.0	7633.4	7766.2	8134.0
45°	10552.9	10671.3	10922.5	10909.9	10342.9	9167.6	7981.5	7837.9	8833.8	8975.6	8961.2
47.5°	10770.0	10890.2	11306.5	11557.7	11245.5	10258.6	9303.9	9180.1	10267.6	10421.9	9874.6
50°	10881.3	11024.8	11555.9	12042.2	11950.7	11310.1	10811.3	10818.4	11999.2	12148.1	10933.3
52.5°	10621.1	10807.7	11688.7	12564.4	12742.0	12316.7	12223.4	12460.3	13540.5	13668.0	11889.7
55°	9790.2	10025.3	11507.5	13009.4	13659.0	13504.6	13827.6	14188.3	15225.4	15308.0	12871.2
57.5°	9264.5	9513.9	10972.7	13388.0	14760.7	14997.6	15509.0	15772.8	16964.2	17174.2	13998.1
60°	8821.3	9016.9	10533.2	13468.8	15880.4	16824.3	17321.4	17594.1	19110.4	19246.7	15238.0
62.5°	8083.8	8308.1	9790.2	12905.3	16443.9	18286.7	19316.7	19194.7	20770.2	20865.3	15998.9
65°	6897.7	6917.4	8283.0	11489.5	15862.5	19236.0	20718.1	20206.7	21563.3	21627.9	15939.6
67.5°	5148.1	5338.3	6371.9	9031.2	13398.8	18424.9	21172.1	20233.7	21062.6	20883.2	14674.6
70°	3316.1	3461.4	4319.1	6262.4	9661.0	15376.2	19666.6	18846.6	18485.9	18087.5	12011.7
72.5°	1530.6	1717.3	2566.0	3578.0	5729.5	10953.0	15964.7	15311.6	13305.4	12322.1	7635.2
75°	667.5	714.2	1266.8	1887.7	2686.2	5792.3	10525.9	9504.9	6009.4	5489.1	3055.9
77.5°	407.3	437.9	663.9	1012.0	1055.1	2207.1	5670.3	4146.8	1857.2	1638.3	829.0
80°	276.3	310.5	482.7	529.4	360.6	615.5	2128.2	1107.2	375.1	358.8	177.7
82.5°	134.6	170.5	357.0	296.1	156.1	197.4	619.0	236.9	109.5	102.3	62.8
85°	19.7	34.1	201.0	193.8	70.0	46.7	109.5	59.2	37.7	35.9	28.7
87.5°	0.0	0.0	68.2	30.5	7.2	7.2	12.5	12.5	14.3	12.5	14.3
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°	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3	4649.3
2.5°	4685.2	4694.2	4660.0	4611.6	4559.6	4507.5	4434.0	4367.6	4328.1	4351.4	4294.0
5°	4769.5	4762.4	4672.6	4525.5	4329.9	4094.9	3861.5	3662.4	3597.8	3500.9	3490.1
7.5°	4886.2	4866.4	4676.2	4338.8	3897.5	3456.0	3025.4	2740.0	2576.8	2438.6	2442.2
10°	5049.4	4992.0	4635.0	4010.4	3283.7	2618.0	2068.9	1692.1	1528.8	1476.8	1435.6
12.5°	5218.1	5106.9	4520.1	3567.3	2557.0	1789.0	1257.9	1028.2	927.7	895.4	891.8
15°	5368.9	5193.0	4319.1	3034.4	1859.0	1143.0	857.7	782.4	769.8	771.6	769.8
17.5°	5517.8	5261.2	4041.0	2469.1	1263.3	820.0	737.5	719.6	724.9	732.1	730.3
20°	5641.6	5275.5	3685.7	1884.1	893.6	719.6	692.6	689.0	694.4	699.8	699.8
22.5°	5776.2	5286.3	3264.0	1304.6	730.3	669.3	655.0	655.0	662.1	669.3	671.1
25°	5876.6	5227.1	2759.8	936.7	644.2	620.8	613.7	615.5	622.6	626.2	624.4
27.5°	5892.8	5060.2	2225.1	717.8	585.0	561.6	554.4	561.6	552.6	558.0	554.4
30°	5907.2	4848.5	1683.1	604.7	531.1	495.2	484.5	473.7	466.5	457.6	455.8
32.5°	5952.1	4599.0	1229.2	543.7	480.9	441.5	416.3	385.8	362.5	355.3	353.5
35°	5971.8	4299.4	902.6	495.2	436.1	393.0	348.1	305.1	270.9	258.4	267.4
37.5°	6047.1	4008.7	699.8	459.4	396.6	342.7	285.3	231.5	199.2	192.0	195.6
40°	6201.4	3692.9	586.8	428.8	362.5	296.1	226.1	174.1	152.5	145.3	143.5
42.5°	6449.1	3378.9	522.2	400.1	328.4	249.4	177.7	136.4	118.5	113.1	113.1
45°	6750.6	3077.4	477.3	369.7	292.5	201.0	140.0	109.5	98.7	95.1	95.1
47.5°	7147.1	2813.6	439.7	339.1	253.0	159.7	113.1	95.1	87.9	89.7	91.5
50°	7549.1	2618.0	398.4	305.1	208.1	131.0	96.9	84.3	82.5	84.3	84.3
52.5°	7852.3	2503.2	342.7	258.4	163.3	109.5	86.1	78.9	77.1	73.6	73.6
55°	8261.4	2478.0	272.7	209.9	129.2	91.5	77.1	71.8	66.4	62.8	61.0
57.5°	8787.1	2506.8	209.9	163.3	100.5	75.4	68.2	59.2	52.1	44.9	44.9
60°	9113.7	2442.2	163.3	125.6	73.6	61.0	52.1	43.1	34.1	28.7	26.9
62.5°	9009.7	2169.5	129.2	93.3	52.1	44.9	34.1	28.7	19.7	14.3	12.5
65°	8473.2	1751.3	104.1	64.6	37.7	26.9	17.9	17.9	9.0	1.8	0.0
67.5°	7416.3	1297.4	82.5	43.1	21.5	12.5	9.0	5.4	0.0	0.0	0.0
70°	6036.4	936.7	64.6	26.9	12.5	9.0	3.6	1.8	0.0	0.0	0.0
72.5°	3832.9	536.5	50.3	16.1	9.0	3.6	0.0	0.0	0.0	0.0	0.0
75°	1482.1	209.9	34.1	10.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	419.9	98.7	19.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	109.5	43.1	10.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	52.1	17.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.5	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)