

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: P319367

Luminaire Tested: **GAN-SA3C-740-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21155 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

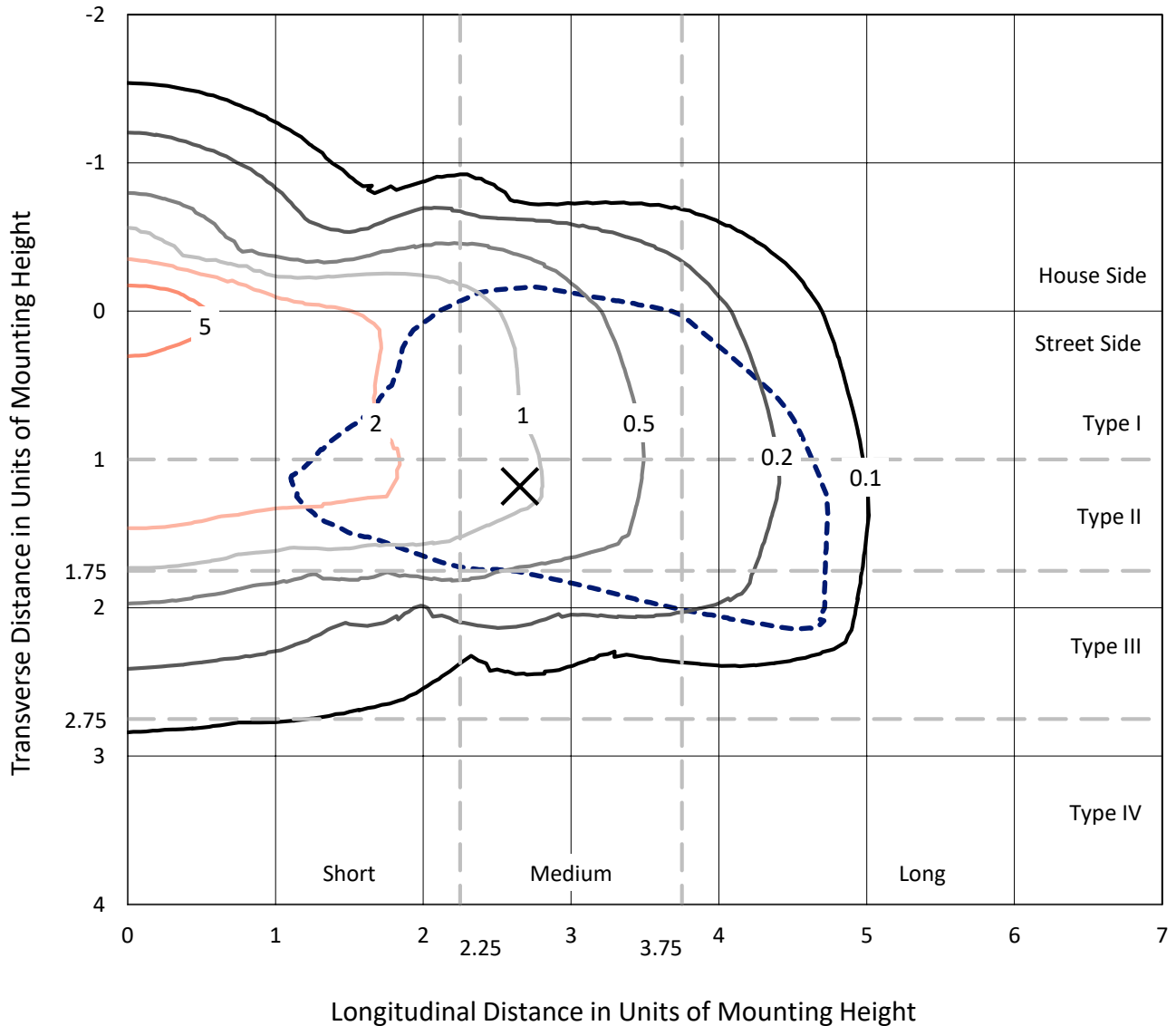
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

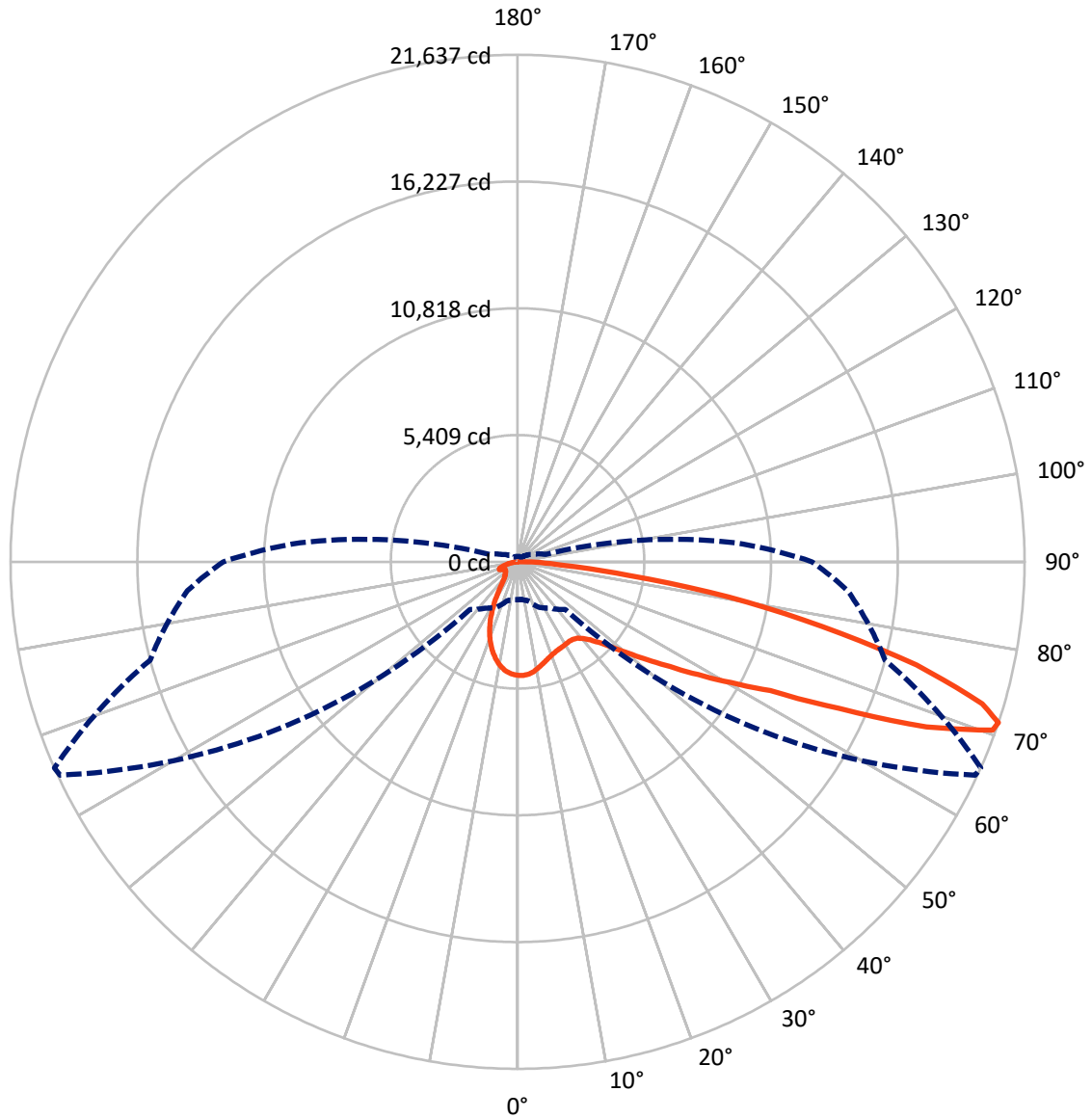
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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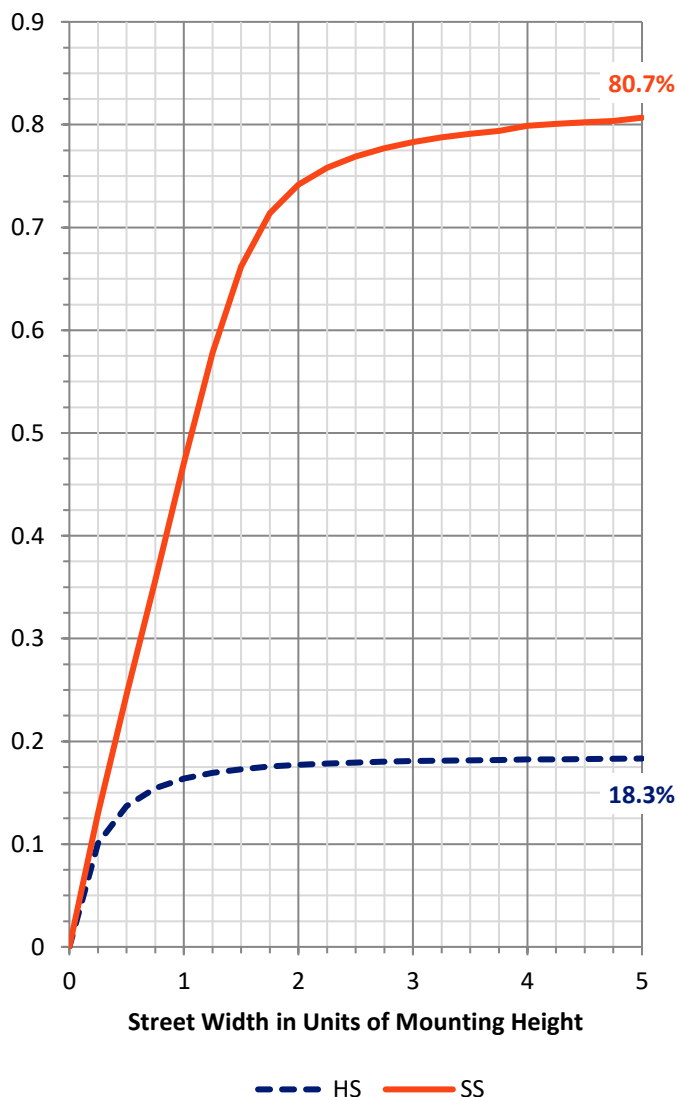
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3920.6	0.0	3920.6
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	17234.4	0.0	17234.4
	% Fixture	81.5	0.0	81.5
Total	Lumens	21155.0	0.0	21155.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.6	2.0
10°-20°	1023.1	4.8
20°-30°	1374.3	6.5
30°-40°	1807.9	8.5
40°-50°	2630.0	12.4
50°-60°	4108.3	19.4
60°-70°	5146.4	24.3
70°-80°	3925.5	18.6
80°-90°	712.8	3.4
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°	21155.0	100.0
0°-180°	21155.0	100.0

Coefficient of Utilization

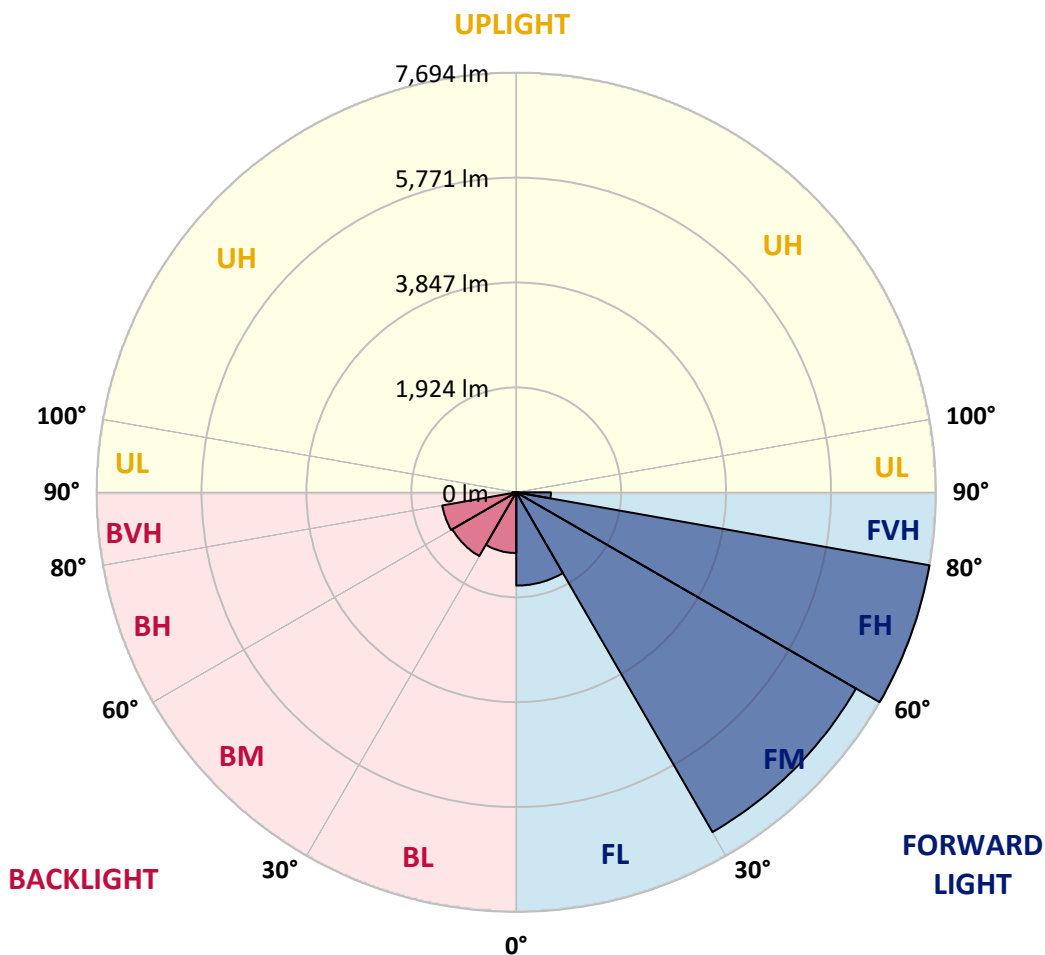


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1710.7	8.1			
FM (30°-60°)	7193.8	34.0			
FH (60°-80°)	7694.3	36.4			G4/12000
FVH (80°-90°)	635.7	3.0			G4/750
BL (0°-30°)	1113.3	5.3	B3/2500		
BM (30°-60°)	1352.5	6.4	B2/2500		
BH (60°-80°)	1377.6	6.5	B3/2500		G3/2500
BVH (80°-90°)	77.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2
2.5°	4756.4	4749.1	4771.0	4793.6	4802.4	4817.0	4838.9	4851.3	4850.6	4852.8	4845.5
5°	4440.8	4431.3	4475.2	4510.9	4579.6	4657.0	4751.2	4818.4	4819.9	4857.9	4868.1
7.5°	4142.1	4135.5	4185.9	4243.6	4323.2	4441.6	4594.2	4738.8	4747.6	4850.6	4886.4
10°	3902.5	3901.1	3950.0	4012.8	4105.6	4237.8	4413.1	4624.9	4638.0	4815.5	4889.3
12.5°	3715.5	3718.5	3760.8	3832.4	3930.3	4068.3	4258.2	4497.1	4518.3	4760.0	4872.5
15°	3577.5	3589.2	3623.5	3695.8	3792.2	3932.5	4127.5	4378.7	4410.9	4697.9	4863.0
17.5°	3498.6	3511.8	3535.9	3595.8	3686.3	3821.5	4006.2	4281.6	4310.8	4650.5	4863.7
20°	3475.2	3486.2	3500.1	3536.6	3613.3	3736.0	3910.6	4194.0	4225.4	4612.5	4871.0
22.5°	3521.3	3529.3	3530.8	3527.8	3574.6	3674.6	3841.2	4129.7	4163.3	4587.6	4876.1
25°	3619.9	3630.8	3622.8	3595.8	3580.4	3641.8	3805.4	4087.3	4120.9	4569.4	4865.9
27.5°	3768.1	3769.6	3763.0	3728.0	3655.6	3645.4	3794.4	4062.5	4094.6	4548.2	4844.7
30°	3969.7	3979.2	3967.5	3920.1	3801.7	3703.9	3807.6	4038.4	4067.6	4521.2	4810.4
32.5°	4205.6	4229.0	4228.3	4178.6	4009.2	3834.6	3861.6	4023.8	4046.4	4492.7	4768.8
35°	4450.3	4482.5	4542.4	4521.2	4311.5	4041.3	3965.3	4047.1	4062.5	4489.0	4739.6
37.5°	4704.5	4736.6	4860.1	4917.0	4671.6	4337.1	4128.9	4129.7	4137.0	4533.6	4737.4
40°	4970.4	5004.7	5190.2	5338.5	5138.4	4711.8	4392.6	4302.1	4294.0	4643.1	4780.5
42.5°	5342.9	5373.5	5596.3	5785.5	5656.2	5191.7	4757.1	4567.9	4551.1	4857.9	4918.5
45°	5814.0	5840.3	6076.9	6279.2	6212.8	5739.5	5215.1	4933.8	4930.9	5215.8	5198.3
47.5°	6374.2	6394.6	6607.2	6802.9	6827.0	6369.8	5790.6	5498.4	5451.0	5706.6	5631.4
50°	6957.8	6980.4	7125.0	7335.4	7514.4	7213.4	6531.2	6190.1	6126.6	6354.5	6244.9
52.5°	7344.2	7374.1	7499.7	7766.3	8287.1	8138.1	7407.0	7028.6	6932.2	7139.7	7055.7
55°	7171.8	7239.0	7431.1	7858.4	8905.0	9550.7	8487.2	8006.6	7897.8	8070.2	8020.5
57.5°	6388.1	6480.1	6742.3	7401.9	8991.9	10795.3	10120.4	9158.5	9081.8	9032.1	9054.8
60°	4955.8	5044.1	5369.2	6228.8	8386.4	11703.9	12578.2	10578.4	10467.4	9997.7	10018.2
62.5°	3507.4	3462.8	3685.6	4314.5	6814.6	11810.6	15374.9	12477.4	12112.2	11017.3	10927.5
65°	2674.7	2664.5	2764.6	2964.7	4127.5	10534.6	17041.0	15669.3	15098.8	12216.7	12004.8
67.5°	2197.8	2179.5	2278.1	2569.5	2657.9	6796.4	17077.5	19372.4	18812.2	13709.6	13250.9
70°	1807.0	1786.6	1878.6	2254.7	2456.3	3446.8	14372.8	21540.9	21511.0	15599.9	14191.7
71°	1620.0	1605.4	1715.7	2133.5	2413.2	2872.7	12409.5	21546.8	21636.6	16239.7	14136.2
72.5°	1319.1	1324.2	1441.1	1899.0	2381.1	2536.7	9120.5	20542.5	20732.4	16849.6	13631.4
75°	876.5	880.9	1034.2	1460.8	2308.8	2481.9	5012.7	17237.4	17586.6	16484.4	12438.7
77.5°	588.7	587.2	691.7	1002.1	2011.5	2481.9	2939.1	12892.3	13275.7	13116.5	9589.4
80°	405.4	402.5	476.2	691.7	1522.9	2511.8	2272.3	9035.0	9151.2	7083.4	3897.4
82.5°	248.3	250.5	311.2	488.6	1036.4	2260.6	2145.2	4926.5	4800.2	1986.7	973.6
85°	142.4	141.7	198.7	330.9	665.4	1907.8	2091.9	2120.3	1945.1	598.2	352.1
87.5°	51.1	54.8	106.6	183.3	381.3	1328.6	1774.9	1102.9	994.1	270.2	159.2
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°	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2	4846.2
2.5°	4840.4	4844.7	4839.6	4810.4	4785.6	4745.4	4722.8	4691.4	4681.9	4677.5	4689.2
5°	4858.6	4860.1	4817.0	4740.3	4654.1	4552.6	4479.5	4389.7	4347.3	4329.1	4340.8
7.5°	4875.4	4868.8	4774.6	4627.8	4468.6	4291.8	4134.8	3990.9	3906.9	3872.6	3875.5
10°	4877.6	4849.9	4698.7	4471.5	4224.6	3965.3	3724.3	3502.3	3362.0	3270.7	3298.5
12.5°	4855.0	4808.2	4586.9	4269.2	3926.6	3573.1	3247.4	2914.3	2714.2	2621.4	2624.3
15°	4837.4	4752.7	4449.6	4031.1	3570.9	3102.7	2657.9	2266.4	2053.2	1958.2	1913.6
17.5°	4822.8	4692.8	4290.4	3763.0	3150.9	2557.1	2022.5	1673.3	1556.5	1528.7	1517.0
20°	4802.4	4629.3	4112.9	3452.6	2672.5	1946.5	1476.9	1304.5	1305.2	1337.4	1341.7
22.5°	4773.9	4557.0	3923.7	3104.2	2159.1	1417.7	1157.7	1108.0	1158.4	1219.8	1230.7
25°	4731.5	4471.5	3713.4	2719.3	1646.3	1089.8	989.0	986.8	1048.1	1112.4	1121.9
27.5°	4671.6	4359.8	3479.6	2305.9	1213.2	926.1	886.0	901.3	946.6	993.3	997.0
30°	4591.3	4229.7	3221.8	1869.8	951.0	824.6	820.2	834.1	861.9	894.7	897.7
32.5°	4502.9	4097.5	2946.4	1447.7	814.4	769.8	774.2	780.8	793.9	807.1	810.0
35°	4422.6	3962.4	2664.5	1100.0	749.4	734.1	731.1	729.7	731.1	726.7	727.5
37.5°	4370.7	3850.7	2370.9	875.7	712.1	702.6	693.9	682.9	670.5	663.2	664.7
40°	4351.7	3767.4	2073.6	756.7	681.5	674.9	658.1	634.7	620.1	615.7	615.7
42.5°	4402.8	3724.3	1786.6	696.8	655.9	644.9	617.2	590.2	579.2	578.5	577.7
45°	4559.2	3741.8	1513.4	663.9	632.5	611.3	574.8	552.2	544.9	546.3	545.6
47.5°	4839.6	3852.1	1279.7	642.0	609.2	581.4	540.5	522.2	513.5	513.5	514.2
50°	5316.6	4110.0	1093.4	623.8	589.4	553.6	515.7	493.0	481.3	480.6	480.6
52.5°	6011.2	4571.6	977.3	608.4	567.5	528.8	490.8	462.3	448.5	445.5	444.1
55°	6881.8	5233.3	945.1	598.2	538.3	501.8	460.9	432.4	417.1	410.5	409.8
57.5°	7855.4	6038.2	1008.7	585.8	508.4	469.6	428.0	401.0	384.9	376.9	376.2
60°	8840.8	6916.9	1268.0	568.3	483.5	434.6	394.4	369.6	353.5	344.7	343.3
62.5°	9827.5	7843.0	1797.5	566.8	466.0	401.0	360.1	338.9	323.6	314.1	311.9
65°	10940.7	8856.8	2399.4	605.5	460.2	370.3	325.0	308.2	295.1	286.3	285.6
67.5°	12218.9	10001.4	2341.7	685.1	479.9	342.6	292.2	279.0	269.5	262.2	261.5
70°	12818.5	9822.4	1455.7	741.4	507.6	315.5	260.8	251.3	244.0	238.8	236.6
71°	12567.3	9326.5	1220.5	734.8	504.7	303.8	248.3	241.0	233.7	229.3	227.2
72.5°	11882.1	8505.5	1018.2	683.7	471.8	282.7	232.3	225.0	218.4	213.3	211.8
75°	10662.4	7596.2	815.1	546.3	376.2	238.8	203.8	195.7	190.6	187.7	184.8
77.5°	7837.9	5421.0	630.3	431.7	276.8	195.0	173.8	168.0	162.9	158.5	156.3
80°	3002.7	2099.9	424.4	322.1	203.1	154.1	140.2	137.3	132.2	129.3	129.3
82.5°	808.6	627.4	226.4	195.0	135.9	112.5	107.4	105.9	101.5	95.7	96.4
85°	327.2	276.8	127.1	107.4	83.3	66.5	72.3	73.0	67.9	60.6	61.4
87.5°	143.9	117.6	70.8	47.5	36.5	25.6	32.9	32.9	29.9	24.8	22.6
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)