

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: P319318

Luminaire Tested: **GAN-SA4B-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319318
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-SA4B-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 800mA 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: 20566 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

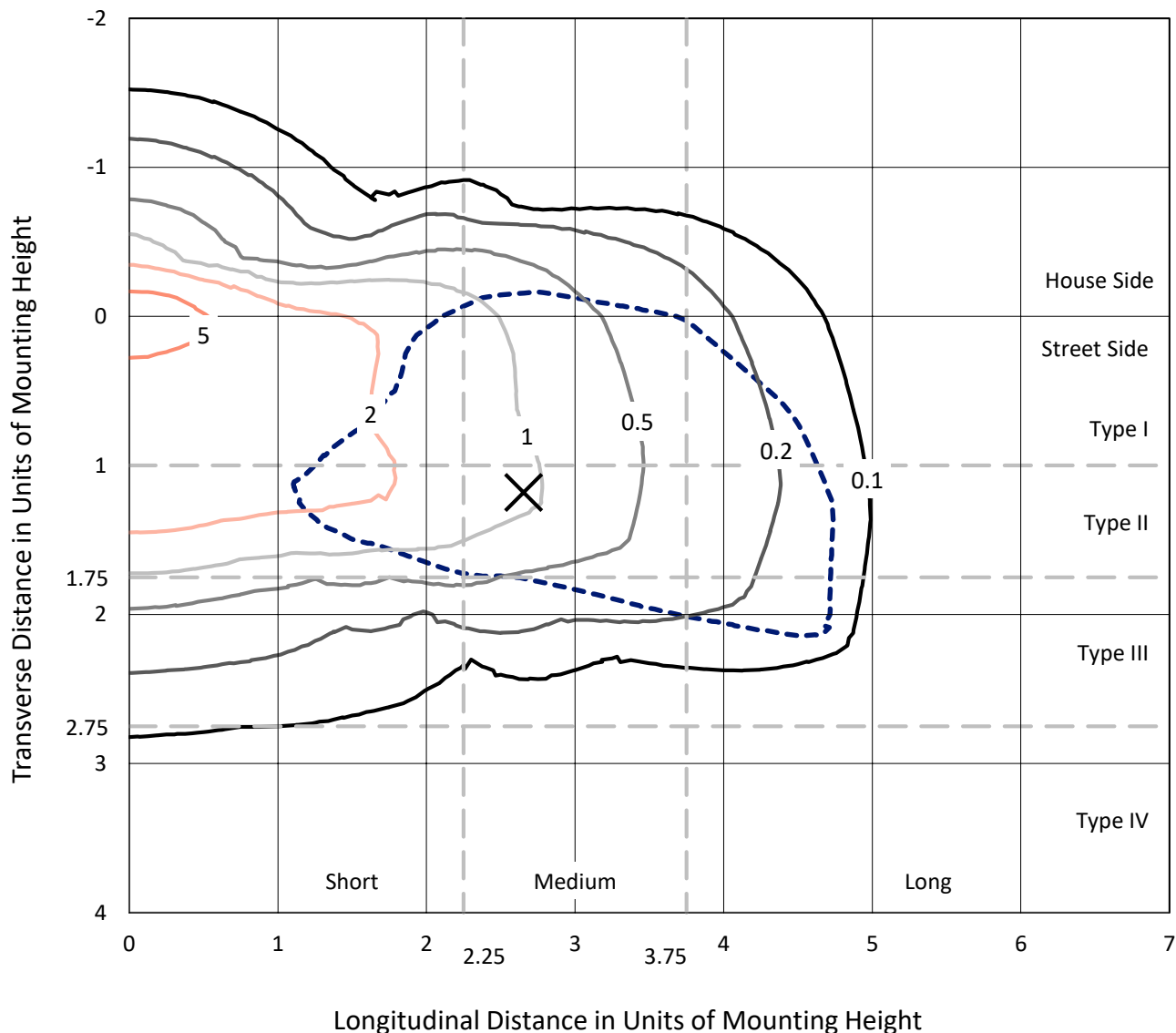
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319318
 CATALOG NUMBER: GAN-SA4B-730-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

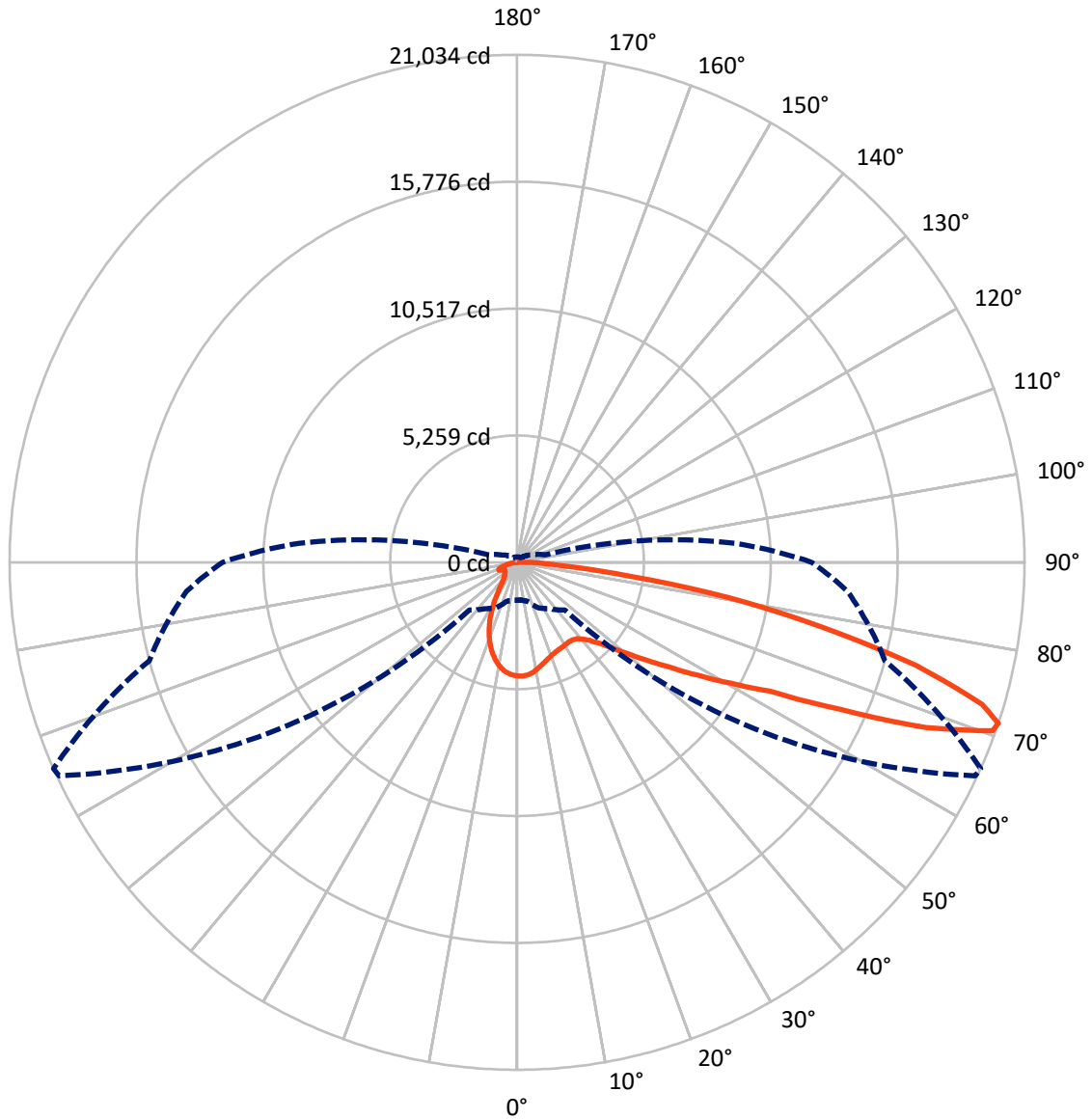
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P319318
CATALOG NUMBER: GAN-SA4B-730-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P319318
 CATALOG NUMBER: GAN-SA4B-730-U-SL2

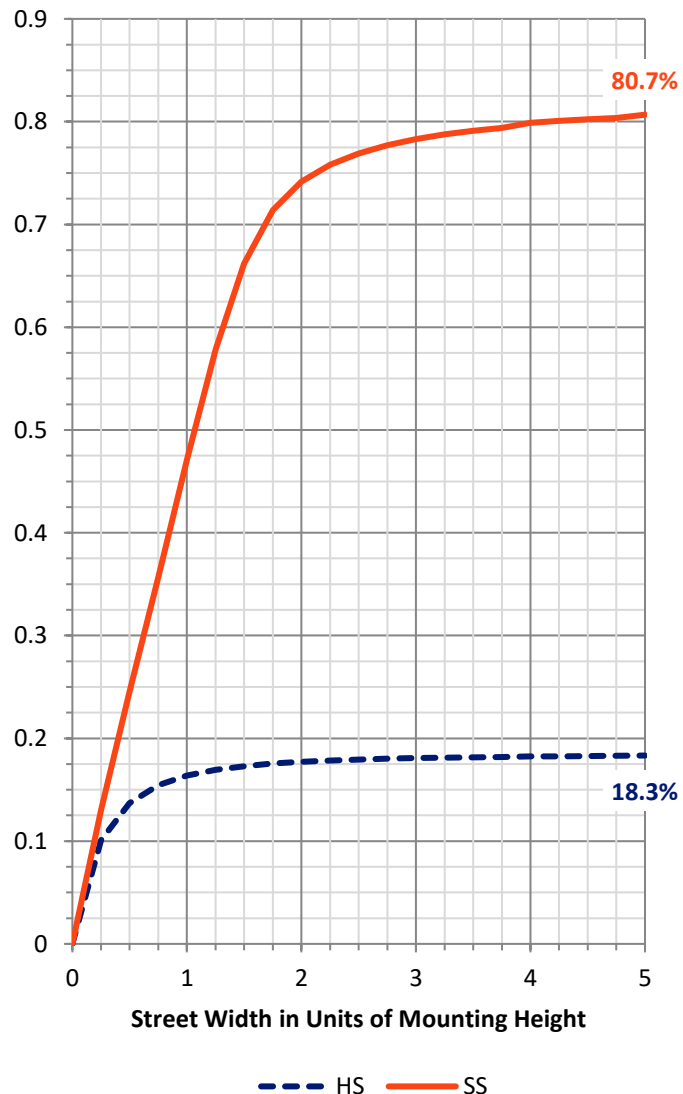
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3811.4	0.0	3811.4
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	16754.6	0.0	16754.6
	% Fixture	81.5	0.0	81.5
Total	Lumens	20566.0	0.0	20566.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.7	2.0
10°-20°	994.6	4.8
20°-30°	1336.1	6.5
30°-40°	1757.6	8.5
40°-50°	2556.8	12.4
50°-60°	3994.0	19.4
60°-70°	5003.1	24.3
70°-80°	3816.2	18.6
80°-90°	693.0	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°	20566.0	100.0
0°-180°	20566.0	100.0

Coefficient of Utilization

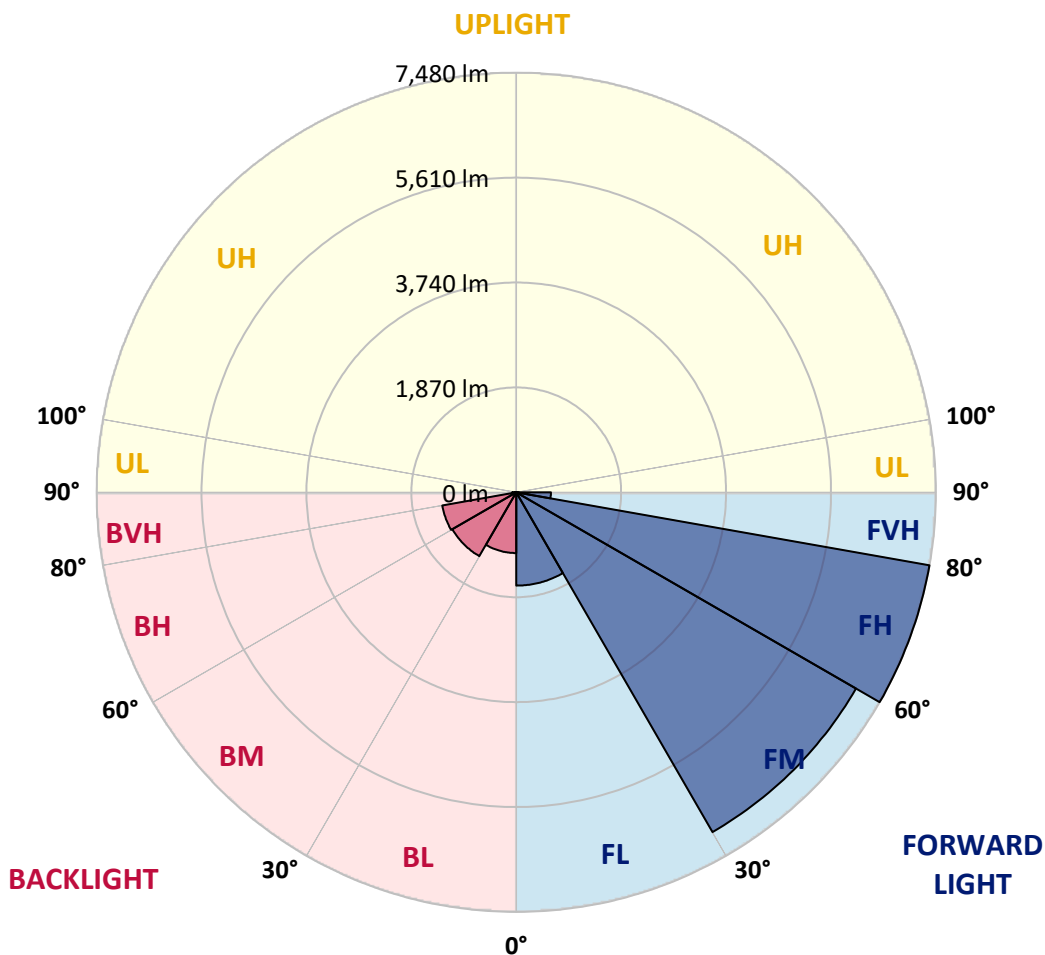


REPORT NUMBER: P319318
 CATALOG NUMBER: GAN-SA4B-730-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1663.0	8.1			
FM (30°-60°)	6993.5	34.0			
FH (60°-80°)	7480.1	36.4			G3/7500
FVH (80°-90°)	618.0	3.0			G4/750
BL (0°-30°)	1082.3	5.3	B3/2500		
BM (30°-60°)	1314.8	6.4	B2/2500		
BH (60°-80°)	1339.2	6.5	B3/2500		G3/2500
BVH (80°-90°)	75.0	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





REPORT NUMBER: P319318
 CATALOG NUMBER: GAN-SA4B-730-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3
2.5°	4623.9	4616.8	4638.1	4660.1	4668.7	4682.9	4704.2	4716.2	4715.5	4717.7	4710.6
5°	4317.2	4308.0	4350.6	4385.4	4452.1	4527.4	4619.0	4684.3	4685.7	4722.6	4732.6
7.5°	4026.8	4020.4	4069.4	4125.5	4202.9	4317.9	4466.3	4606.9	4615.4	4715.5	4750.3
10°	3793.9	3792.5	3840.0	3901.1	3991.3	4119.8	4290.2	4496.1	4508.9	4681.4	4753.2
12.5°	3612.1	3614.9	3656.1	3725.7	3820.9	3955.1	4139.7	4371.9	4392.5	4627.5	4736.8
15°	3477.9	3489.3	3522.6	3592.9	3686.7	3823.0	4012.6	4256.8	4288.1	4567.1	4727.6
17.5°	3401.2	3414.0	3437.4	3495.6	3583.7	3715.1	3894.7	4162.4	4190.8	4521.0	4728.3
20°	3378.5	3389.1	3402.6	3438.1	3512.7	3632.0	3801.7	4077.2	4107.7	4484.1	4735.4
22.5°	3423.2	3431.0	3432.4	3429.6	3475.1	3572.3	3734.2	4014.7	4047.4	4459.9	4740.4
25°	3519.1	3529.7	3521.9	3495.6	3480.7	3540.4	3699.4	3973.5	4006.2	4442.2	4730.4
27.5°	3663.2	3664.6	3658.2	3624.2	3553.9	3543.9	3688.8	3949.4	3980.6	4421.6	4709.9
30°	3859.2	3868.4	3857.1	3810.9	3695.9	3600.7	3701.6	3925.9	3954.3	4395.3	4676.5
32.5°	4088.5	4111.3	4110.6	4062.3	3897.5	3727.8	3754.1	3911.7	3933.8	4367.6	4636.0
35°	4326.4	4357.7	4415.9	4395.3	4191.5	3928.8	3854.9	3934.5	3949.4	4364.1	4607.6
37.5°	4573.5	4604.8	4724.8	4780.1	4541.6	4216.4	4014.0	4014.7	4021.8	4407.4	4605.5
40°	4832.0	4865.4	5045.7	5189.9	4995.3	4580.6	4270.3	4182.3	4174.5	4513.9	4647.4
42.5°	5194.1	5223.9	5440.5	5624.4	5498.7	5047.1	4624.6	4440.7	4424.4	4722.6	4781.6
45°	5652.1	5677.7	5907.7	6104.4	6039.8	5579.7	5069.9	4796.5	4793.6	5070.6	5053.5
47.5°	6196.7	6216.6	6423.2	6613.5	6637.0	6192.5	5629.4	5345.4	5299.2	5547.7	5474.6
50°	6764.1	6786.1	6926.7	7131.2	7305.1	7012.6	6349.4	6017.8	5956.0	6177.6	6071.0
52.5°	7139.7	7168.8	7290.9	7550.1	8056.4	7911.5	7200.8	6832.9	6739.2	6940.9	6859.2
55°	6972.1	7037.4	7224.2	7639.6	8657.1	9284.8	8250.9	7783.7	7677.9	7845.5	7797.2
57.5°	6210.2	6299.7	6554.6	7195.8	8741.6	10494.7	9838.6	8903.5	8828.9	8780.6	8802.7
60°	4817.8	4903.7	5219.7	6055.4	8153.0	11378.1	12228.0	10283.9	10175.9	9719.4	9739.2
62.5°	3409.7	3366.4	3583.0	4194.3	6624.9	11481.7	14946.8	12130.0	11775.0	10710.6	10623.3
65°	2600.3	2590.3	2687.6	2882.1	4012.6	10241.2	16566.5	15233.0	14678.4	11876.5	11670.6
67.5°	2136.6	2118.8	2214.7	2498.0	2583.9	6607.1	16602.0	18833.0	18288.4	13327.9	12882.0
70°	1756.7	1736.8	1826.3	2192.0	2387.9	3350.8	13972.6	20941.2	20912.1	15165.5	13796.5
71°	1574.9	1560.7	1667.9	2074.1	2346.1	2792.7	12064.0	20946.9	21034.2	15787.6	13742.6
72.5°	1282.4	1287.3	1401.0	1846.2	2314.8	2466.1	8866.6	19970.5	20155.2	16380.5	13251.9
75°	852.1	856.3	1005.5	1420.1	2244.5	2412.8	4873.2	16757.5	17096.9	16025.4	12092.4
77.5°	572.3	570.9	672.4	974.2	1955.5	2412.8	2857.3	12533.3	12906.1	12751.3	9322.4
80°	394.1	391.2	463.0	672.4	1480.5	2441.9	2209.0	8783.5	8896.4	6886.2	3788.9
82.5°	241.4	243.6	302.5	475.0	1007.6	2197.6	2085.5	4789.4	4666.5	1931.4	946.5
85°	138.5	137.8	193.1	321.7	646.9	1854.7	2033.6	2061.3	1890.9	581.5	342.3
87.5°	49.7	53.3	103.7	178.2	370.7	1291.6	1725.5	1072.2	966.4	262.7	154.8
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: P319318
 CATALOG NUMBER: GAN-SA4B-730-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3	4711.3
2.5°	4705.6	4709.9	4704.9	4676.5	4652.3	4613.3	4591.3	4560.7	4551.5	4547.2	4558.6
5°	4723.3	4724.8	4682.9	4608.3	4524.5	4425.8	4354.8	4267.5	4226.3	4208.5	4219.9
7.5°	4739.7	4733.3	4641.7	4499.0	4344.2	4172.3	4019.7	3879.8	3798.1	3764.8	3767.6
10°	4741.8	4714.8	4567.8	4347.0	4107.0	3854.9	3620.6	3404.8	3268.4	3179.7	3206.6
12.5°	4719.8	4674.3	4459.2	4150.3	3817.3	3473.6	3156.9	2833.2	2638.6	2548.4	2551.3
15°	4702.8	4620.4	4325.7	3918.8	3471.5	3016.4	2583.9	2203.3	1996.0	1903.7	1860.4
17.5°	4688.6	4562.2	4170.9	3658.2	3063.2	2485.9	1966.2	1626.8	1513.1	1486.2	1474.8
20°	4668.7	4500.4	3998.4	3356.5	2598.1	1892.3	1435.7	1268.2	1268.9	1300.1	1304.4
22.5°	4641.0	4430.1	3814.5	3017.8	2098.9	1378.2	1125.5	1077.2	1126.2	1185.8	1196.5
25°	4599.8	4347.0	3610.0	2643.6	1600.5	1059.4	961.4	959.3	1018.9	1081.4	1090.7
27.5°	4541.6	4238.4	3382.7	2241.7	1179.4	900.4	861.3	876.2	920.2	965.7	969.2
30°	4463.5	4112.0	3132.1	1817.8	924.5	801.7	797.4	810.9	837.9	869.8	872.7
32.5°	4377.5	3983.5	2864.4	1407.3	791.7	748.4	752.7	759.1	771.8	784.6	787.5
35°	4299.4	3852.1	2590.3	1069.4	728.5	713.6	710.8	709.4	710.8	706.5	707.2
37.5°	4249.0	3743.5	2304.9	851.4	692.3	683.1	674.6	663.9	651.8	644.7	646.2
40°	4230.6	3662.5	2015.9	735.6	662.5	656.1	639.8	617.0	602.8	598.6	598.6
42.5°	4280.3	3620.6	1736.8	677.4	637.6	627.0	600.0	573.7	563.1	562.4	561.7
45°	4432.2	3637.7	1471.3	645.4	614.9	594.3	558.8	536.8	529.7	531.1	530.4
47.5°	4704.9	3744.9	1244.0	624.1	592.2	565.2	525.4	507.7	499.2	499.2	499.9
50°	5168.6	3995.5	1063.0	606.4	573.0	538.2	501.3	479.3	467.9	467.2	467.2
52.5°	5843.8	4444.3	950.1	591.5	551.7	514.1	477.2	449.5	436.0	433.1	431.7
55°	6690.2	5087.6	918.8	581.5	523.3	487.8	448.1	420.4	405.4	399.1	398.3
57.5°	7636.7	5870.1	980.6	569.5	494.2	456.6	416.1	389.8	374.2	366.4	365.7
60°	8594.6	6724.3	1232.7	552.4	470.1	422.5	383.4	359.3	343.7	335.2	333.7
62.5°	9553.9	7624.7	1747.5	551.0	453.0	389.8	350.1	329.5	314.6	305.3	303.2
65°	10636.0	8610.2	2332.6	588.6	447.3	360.0	316.0	299.6	286.9	278.3	277.6
67.5°	11878.7	9722.9	2276.5	666.0	466.5	333.0	284.0	271.2	262.0	254.9	254.2
70°	12461.6	9548.9	1415.2	720.7	493.5	306.7	253.5	244.3	237.2	232.2	230.1
71°	12217.4	9066.8	1186.5	714.3	490.7	295.4	241.4	234.3	227.2	223.0	220.8
72.5°	11551.3	8268.7	989.8	664.6	458.7	274.8	225.8	218.7	212.3	207.3	205.9
75°	10365.5	7384.7	792.4	531.1	365.7	232.2	198.1	190.3	185.3	182.5	179.6
77.5°	7619.7	5270.1	612.8	419.6	269.1	189.6	169.0	163.3	158.3	154.1	152.0
80°	2919.1	2041.4	412.5	313.1	197.4	149.8	136.3	133.5	128.5	125.7	125.7
82.5°	786.0	609.9	220.1	189.6	132.1	109.3	104.4	103.0	98.7	93.0	93.7
85°	318.1	269.1	123.6	104.4	80.9	64.6	70.3	71.0	66.0	58.9	59.6
87.5°	139.9	114.3	68.9	46.2	35.5	24.9	32.0	32.0	29.1	24.1	22.0
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)