

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: P318680

Luminaire Tested: **GAN-SA6B-730-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318680  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 31313 lumens  
Efficiency: N/A  
Efficacy: 125.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

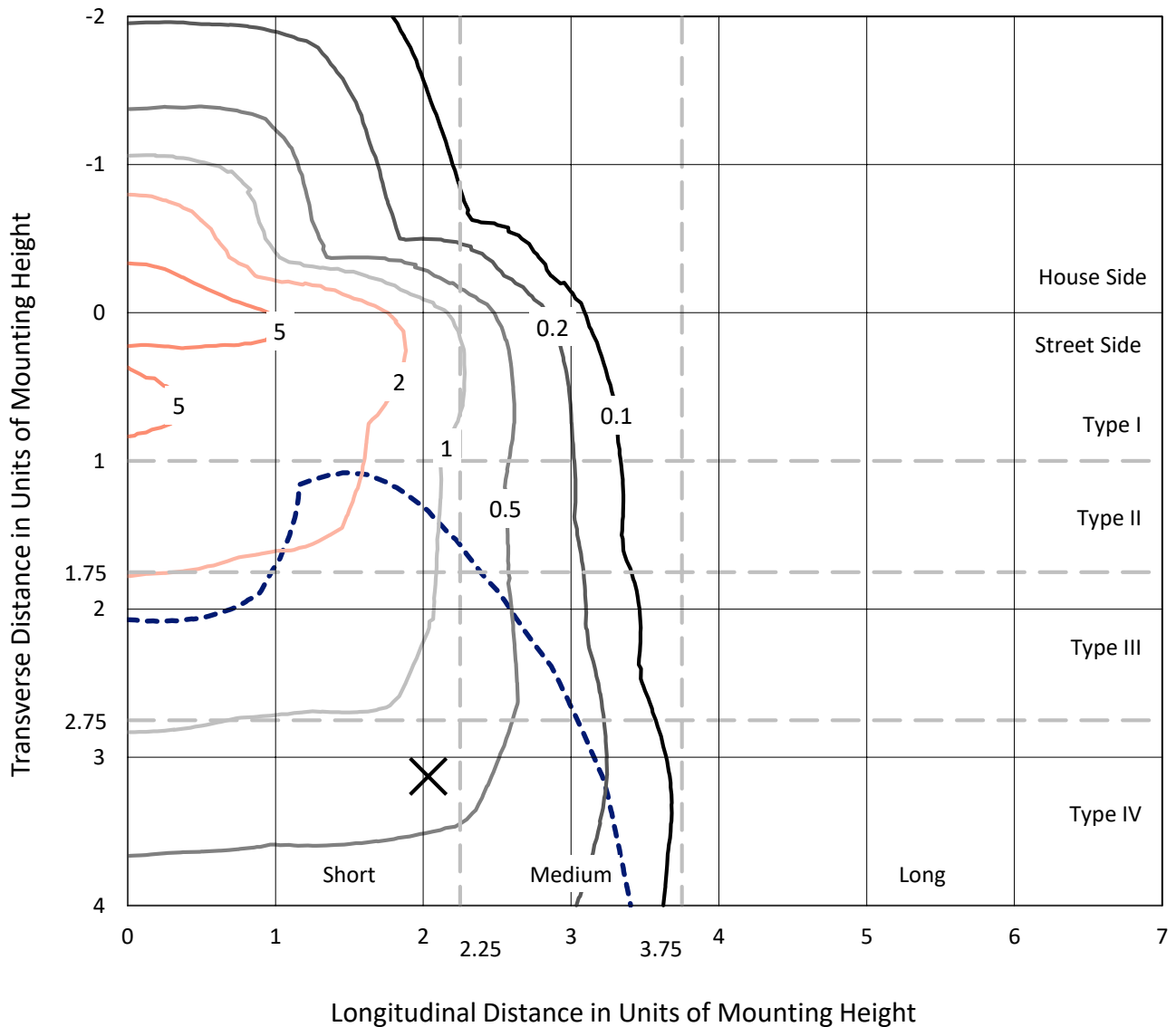
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

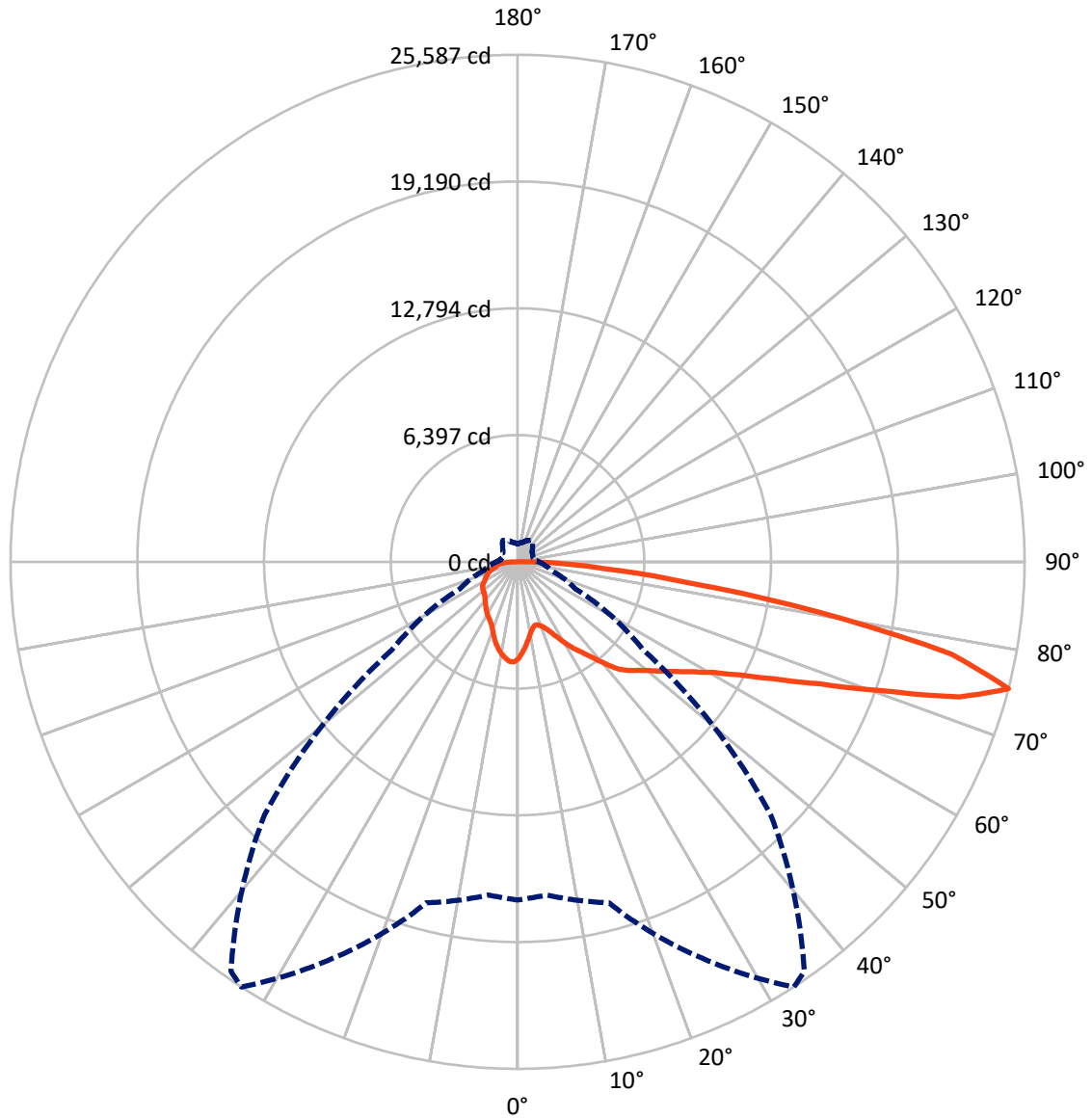
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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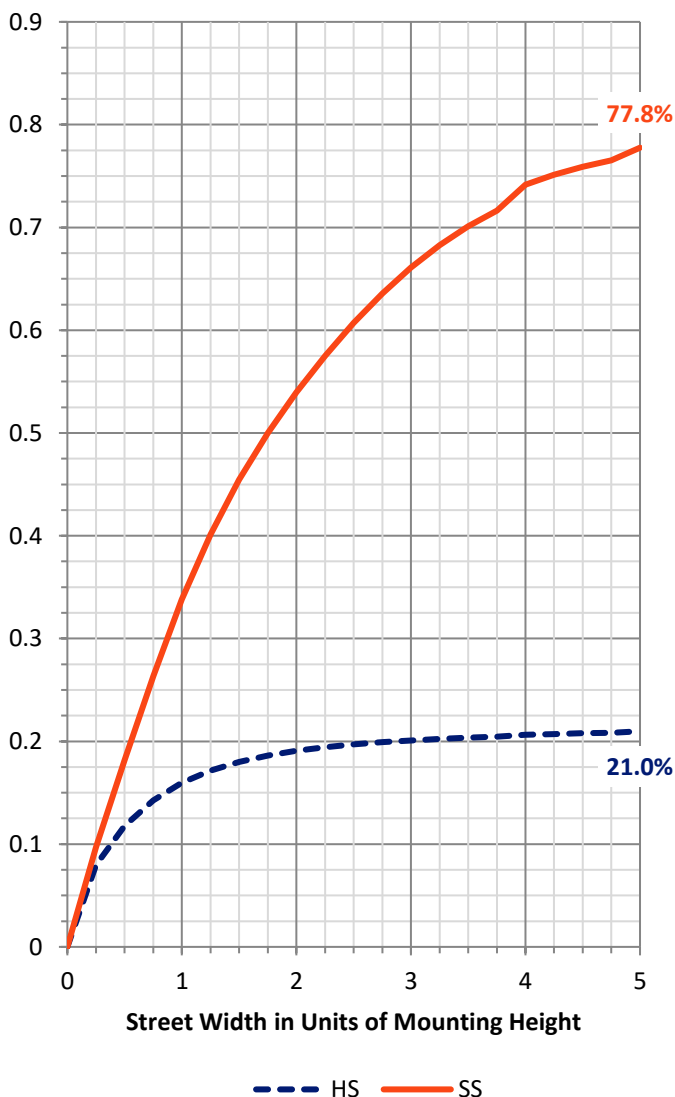
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6723.7	0.0	6723.7
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	24589.3	0.0	24589.3
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	31313.0	0.0	31313.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	442.6	1.4
10°-20°	1198.8	3.8
20°-30°	1957.9	6.3
30°-40°	2915.8	9.3
40°-50°	4182.0	13.4
50°-60°	5741.2	18.3
60°-70°	7187.8	23.0
70°-80°	6502.4	20.8
80°-90°	1184.4	3.8
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°	31313.0	100.0
0°-180°	31313.0	100.0

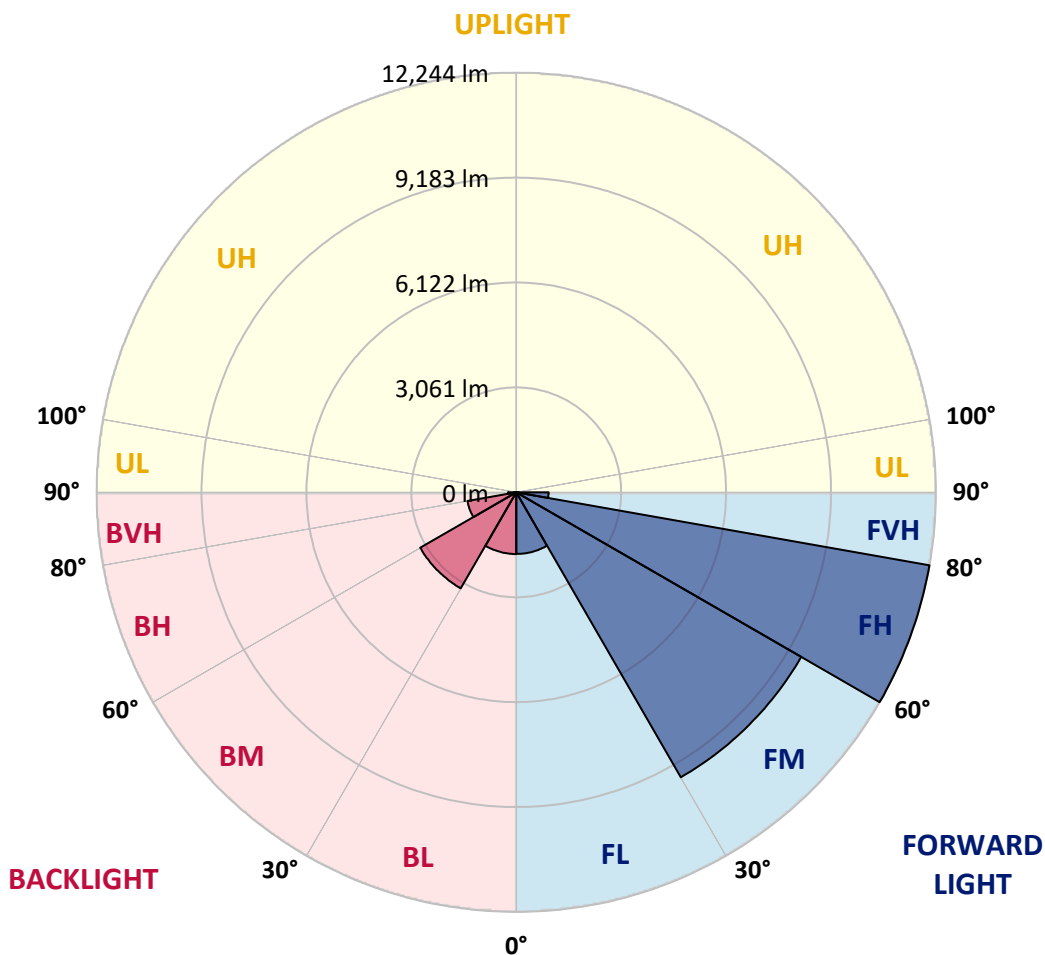


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1798.5	5.7			
FM (30°-60°)	9603.0	30.7			
FH (60°-80°)	12244.5	39.1			G5
FVH (80°-90°)	943.3	3.0			G5
BL (0°-30°)	1800.9	5.8	B3/2500		
BM (30°-60°)	3235.9	10.3	B3/5000		
BH (60°-80°)	1445.7	4.6	B3/2500		G3/2500
BVH (80°-90°)	241.1	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4
2.5°	4545.0	4527.7	4560.2	4564.5	4592.6	4603.4	4642.4	4702.9	4752.7	4810.0	4861.9
5°	4132.9	4121.0	4166.5	4198.9	4260.6	4286.5	4378.5	4507.2	4621.8	4751.6	4869.5
7.5°	3741.4	3734.9	3785.7	3859.3	3930.7	3966.4	4125.4	4312.5	4503.9	4713.8	4894.4
10°	3411.5	3409.3	3458.0	3530.5	3635.4	3675.4	3880.9	4127.5	4395.8	4684.6	4936.6
12.5°	3226.5	3234.1	3256.8	3317.4	3414.7	3454.7	3683.0	3972.8	4304.9	4674.8	4998.2
15°	3271.9	3283.8	3244.9	3242.7	3312.0	3343.3	3557.5	3862.5	4240.0	4691.1	5088.0
17.5°	3465.6	3467.7	3365.0	3300.1	3342.3	3358.5	3518.6	3799.8	4202.2	4727.8	5200.5
20°	3738.1	3732.7	3551.0	3442.8	3465.6	3469.9	3573.7	3800.9	4198.9	4791.6	5346.5
22.5°	4099.4	4059.4	3814.9	3667.8	3662.4	3655.9	3715.4	3880.9	4246.5	4895.5	5520.7
25°	4571.0	4533.1	4196.7	3995.6	3952.3	3936.1	3944.7	4051.8	4340.6	5006.9	5715.4
27.5°	5095.6	5029.6	4705.1	4420.6	4330.9	4308.2	4256.2	4293.0	4443.4	5114.0	5946.8
30°	5534.7	5499.0	5215.6	4878.2	4772.2	4739.7	4603.4	4563.4	4591.5	5260.0	6238.9
32.5°	5780.3	5756.5	5584.5	5311.9	5213.5	5168.1	4975.5	4895.5	4829.5	5490.4	6634.7
35°	6077.7	6062.6	5958.7	5760.8	5614.8	5567.2	5417.9	5334.6	5164.8	5807.3	7146.4
37.5°	6456.3	6440.1	6442.2	6282.1	6108.0	6063.6	5965.2	5877.6	5599.6	6223.7	7702.3
40°	6884.6	6853.2	6841.3	6833.8	6723.4	6698.6	6646.6	6527.7	6144.8	6721.3	8250.7
42.5°	7529.3	7417.9	7179.9	7269.7	7378.9	7365.9	7408.1	7237.2	6750.5	7309.7	8786.1
45°	8151.2	7968.4	7557.4	7576.9	7815.9	7888.4	8204.2	8083.1	7407.0	7954.3	9339.9
47.5°	8434.6	8296.1	7946.8	7947.9	8184.7	8335.1	9027.3	8940.8	8097.1	8686.6	10015.9
50°	8751.5	8613.1	8299.4	8417.3	8623.9	8784.0	9822.3	9778.0	8753.7	9488.1	10826.1
52.5°	9097.6	8862.9	8663.9	8874.8	9164.7	9350.7	10618.4	10497.3	9356.1	10295.0	11757.4
55°	9102.0	9038.1	9189.6	9344.2	9778.0	10006.2	11452.3	11132.2	9847.2	11087.8	12515.6
57.5°	9620.1	9516.2	9837.5	9908.9	10475.6	10733.1	12282.0	11684.9	10346.9	11695.7	12924.5
60°	10305.8	10217.1	10480.0	10668.2	11338.8	11682.7	13167.8	12252.8	10739.6	12154.3	12905.0
62.5°	11490.2	11389.6	11386.4	11650.3	12553.5	12953.7	14161.8	12809.8	10895.3	12245.2	12354.4
65°	13224.1	13064.0	12762.2	12887.7	14231.1	14630.2	15272.7	13213.3	10689.8	11758.5	10936.4
67.5°	14911.4	14906.0	14535.0	14792.4	16446.3	16766.4	16538.2	13253.3	10048.4	10063.5	8420.5
70°	16593.4	16615.0	16552.3	17447.9	19439.1	19772.3	17885.9	12715.7	8606.6	7267.5	5044.7
72.5°	17925.9	17920.5	18236.4	20545.7	23323.3	23248.7	19021.6	11086.8	6179.4	3923.1	2411.0
75°	17062.8	16874.6	17815.6	22079.4	25587.2	25222.6	18055.7	7733.7	3207.0	1785.8	1298.0
77.5°	11128.9	11307.4	12688.7	18239.6	22381.2	21937.7	13246.8	3608.3	1511.0	1171.4	941.0
80°	4030.2	4218.4	5941.4	10331.8	15419.8	15347.3	6523.3	1482.9	1022.1	884.8	685.8
82.5°	1386.7	1455.9	2343.9	4588.3	8706.1	9030.6	2454.2	842.6	743.1	627.3	469.4
85°	544.1	623.0	1071.9	2207.6	4391.4	4423.9	994.0	504.0	517.0	411.0	257.4
87.5°	206.6	250.9	512.7	1025.4	2005.4	1842.0	355.9	240.1	294.2	244.4	122.2
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°	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4	4894.4
2.5°	4902.0	4924.7	4972.3	5004.7	5039.3	5049.1	5053.4	5062.1	5070.7	5067.5	5068.5
5°	4932.3	4976.6	5053.4	5085.8	5101.0	5083.7	5050.2	5023.1	5003.6	4992.8	4989.6
7.5°	4982.0	5044.7	5126.9	5121.5	5086.9	5010.1	4923.6	4858.7	4804.6	4785.2	4774.3
10°	5048.0	5121.5	5178.9	5117.2	5016.6	4883.6	4753.8	4653.2	4572.1	4540.7	4535.3
12.5°	5132.4	5207.0	5217.8	5086.9	4920.4	4738.6	4562.3	4429.3	4308.2	4269.2	4260.6
15°	5241.6	5311.9	5244.8	5033.9	4801.4	4556.9	4328.7	4148.1	4020.4	3972.8	3955.5
17.5°	5356.3	5423.3	5250.3	4946.3	4645.6	4341.7	4055.0	3870.1	3724.1	3668.9	3662.4
20°	5493.6	5523.9	5227.5	4820.8	4431.5	4062.6	3760.8	3586.7	3508.8	3469.9	3465.6
22.5°	5663.4	5631.0	5175.6	4651.0	4160.0	3740.3	3494.8	3413.6	3394.2	3385.5	3388.8
25°	5843.0	5743.5	5098.8	4429.3	3817.1	3418.0	3300.1	3322.8	3348.7	3345.5	3345.5
27.5°	6040.9	5858.1	4980.9	4135.1	3437.4	3154.0	3168.1	3251.4	3290.3	3289.3	3288.2
30°	6295.1	5987.9	4830.6	3781.4	3082.7	2968.0	3053.5	3155.1	3208.1	3206.0	3207.0
32.5°	6607.7	6130.7	4626.2	3386.6	2826.3	2830.6	2929.1	3029.7	3091.3	3085.9	3087.0
35°	6973.3	6290.8	4349.3	2997.2	2656.5	2721.4	2799.3	2869.6	2928.0	2920.4	2912.8
37.5°	7371.3	6447.6	3981.5	2648.9	2518.0	2619.7	2684.6	2696.5	2723.6	2704.1	2690.0
40°	7749.9	6567.7	3507.7	2363.4	2378.5	2533.2	2575.4	2527.8	2479.1	2472.6	2453.1
42.5°	8079.8	6607.7	3028.6	2135.1	2231.4	2442.3	2468.3	2368.8	2281.2	2240.1	2222.8
45°	8428.1	6621.8	2581.9	1943.7	2089.7	2361.2	2389.3	2256.3	2133.0	2044.3	2015.1
47.5°	8883.5	6723.4	2234.7	1802.0	1981.6	2307.1	2347.1	2166.5	2006.4	1879.9	1852.8
50°	9479.4	6924.6	1952.4	1693.8	1911.2	2271.4	2316.9	2078.9	1902.6	1750.1	1723.0
52.5°	10141.4	7109.6	1724.1	1606.2	1843.1	2208.7	2277.9	2016.2	1805.2	1630.0	1600.8
55°	10604.3	6967.9	1540.2	1515.4	1754.4	2118.9	2223.8	1963.2	1665.7	1513.2	1487.2
57.5°	10693.0	6483.3	1400.7	1421.3	1647.3	2006.4	2140.6	1845.3	1590.0	1462.4	1435.3
60°	10450.8	5808.4	1296.9	1334.7	1532.7	1864.7	1984.8	1762.0	1517.5	1408.3	1385.6
62.5°	9841.8	5117.2	1220.1	1256.9	1425.6	1720.9	1887.5	1674.4	1444.0	1346.6	1323.9
65°	8612.0	4296.3	1146.5	1187.6	1326.1	1596.5	1799.8	1593.2	1371.5	1296.9	1275.2
67.5°	6500.6	3217.9	1077.3	1114.1	1237.4	1488.3	1704.7	1513.2	1301.2	1253.6	1227.7
70°	3827.9	2015.1	998.3	1037.3	1144.4	1375.8	1603.0	1425.6	1213.6	1192.0	1158.4
72.5°	1781.5	1212.5	908.6	946.4	1027.6	1225.5	1472.1	1310.9	1109.8	1062.2	1016.7
75°	1063.2	886.9	802.6	836.1	893.4	1065.4	1307.7	1194.1	1011.3	948.6	901.0
77.5°	795.0	678.2	685.8	721.5	768.0	932.4	1158.4	1102.2	935.6	886.9	854.5
80°	572.2	514.9	559.2	598.1	646.8	848.0	1109.8	1018.9	845.8	780.9	750.7
82.5°	381.8	369.9	420.8	460.8	508.4	742.0	1042.7	892.3	722.5	640.3	573.3
85°	210.9	222.8	283.4	300.7	341.8	522.4	854.5	717.1	544.1	438.1	418.6
87.5°	87.6	102.8	152.5	147.1	181.7	311.5	562.5	432.7	346.1	258.5	201.2
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)