

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: P320000

Luminaire Tested: **GAN-SA6B-740-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32478 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

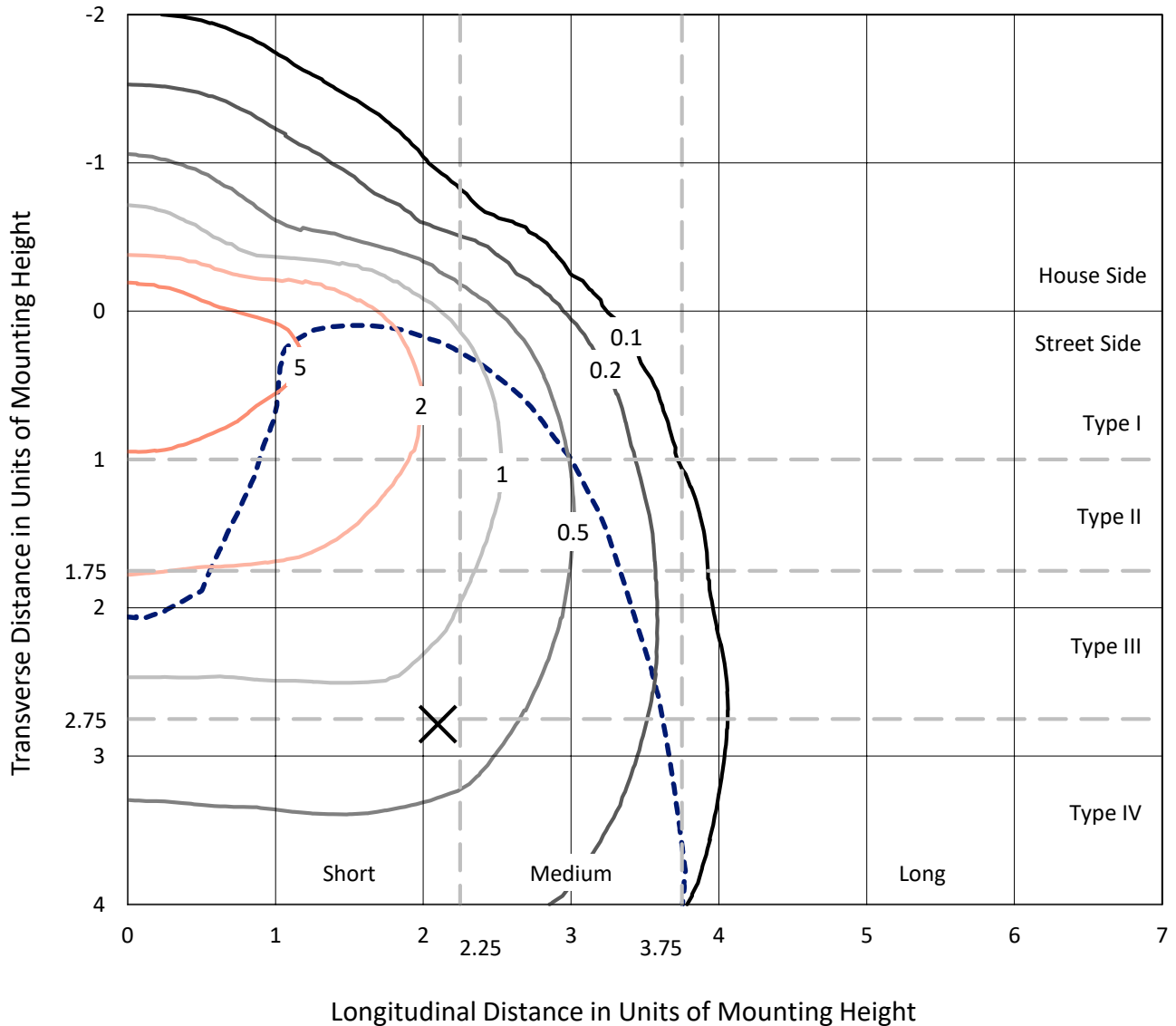
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

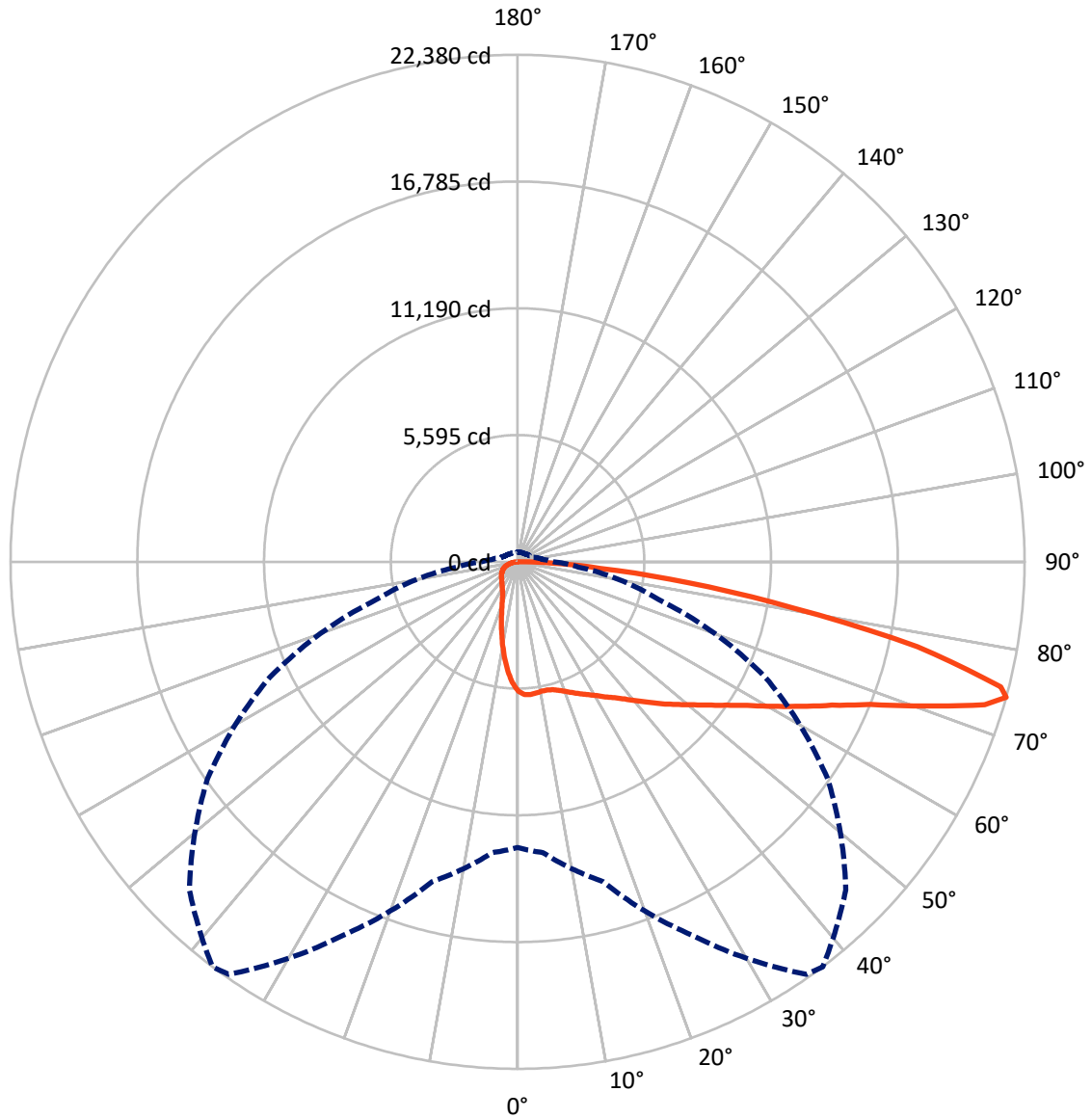
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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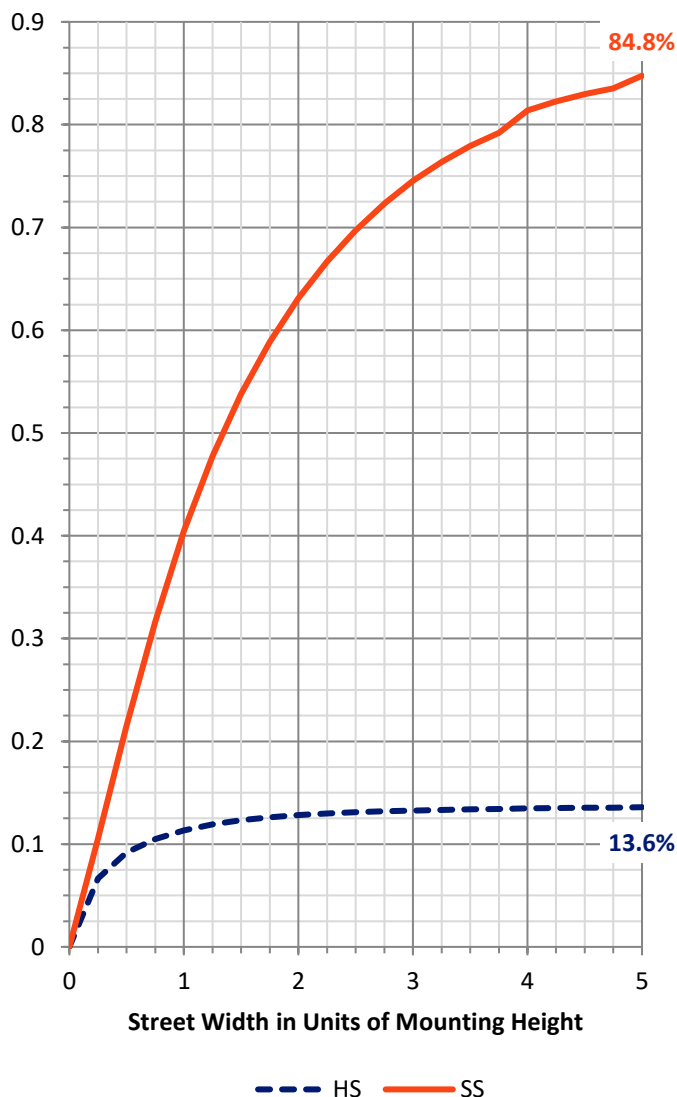
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4468.8	0.0	4468.8
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	28009.3	0.0	28009.3
	% Fixture	86.2	0.0	86.2
Total	Lumens	32478.0	0.0	32478.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.9	1.6
10°-20°	1291.7	4.0
20°-30°	1990.3	6.1
30°-40°	2894.1	8.9
40°-50°	4259.7	13.1
50°-60°	5982.0	18.4
60°-70°	7571.3	23.3
70°-80°	6666.8	20.5
80°-90°	1318.2	4.1
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°	32478.0	100.0
0°-180°	32478.0	100.0

Coefficient of Utilization

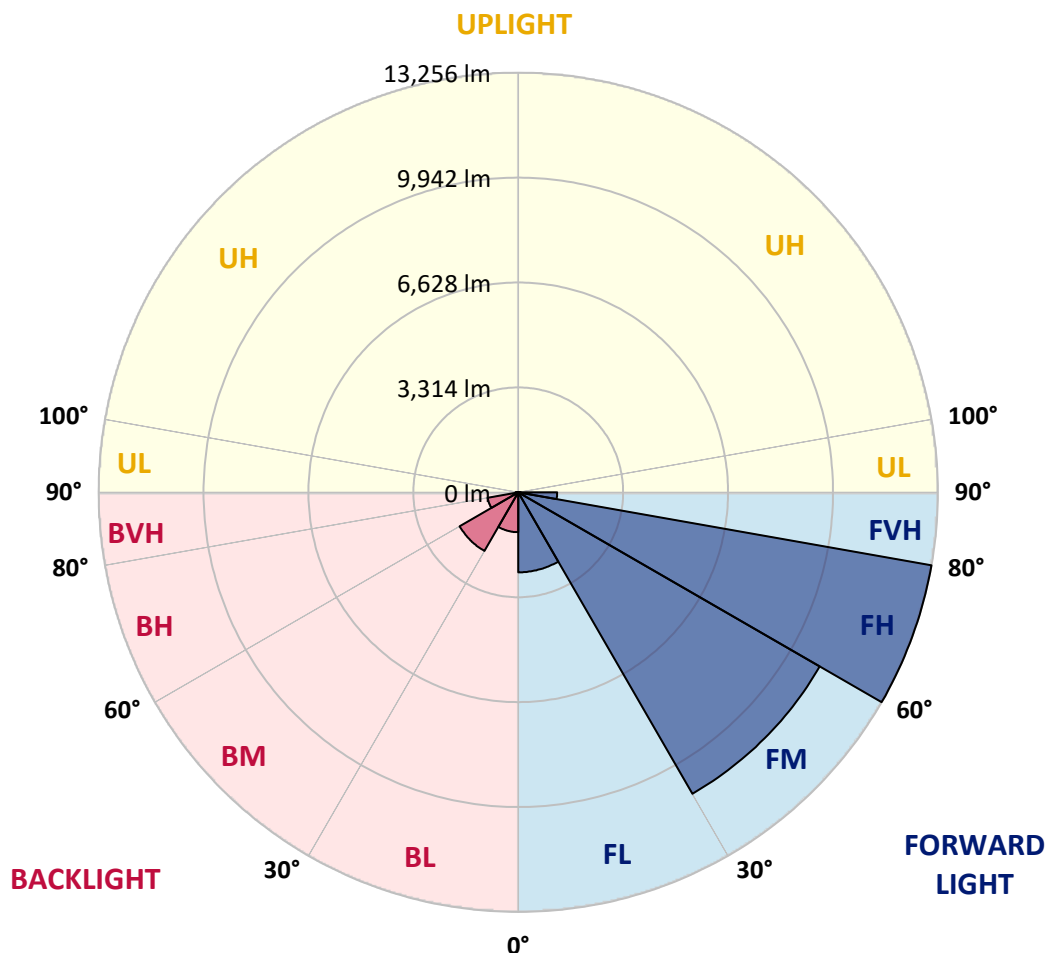


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2527.2	7.8			
FM (30°-60°)	10997.3	33.9			
FH (60°-80°)	13255.9	40.8			G5
FVH (80°-90°)	1228.9	3.8			G5
BL (0°-30°)	1258.7	3.9	B3/2500		
BM (30°-60°)	2138.5	6.6	B2/2500		
BH (60°-80°)	982.3	3.0	B2/1000		G2/1000
BVH (80°-90°)	89.3	0.3			G1/100
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°	35°	37°	45°	55°	65°	75°	85°
0°	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5
2.5°	5918.1	5919.3	5918.1	5909.0	5887.2	5868.9	5854.1	5832.3	5784.3	5747.7	5692.8
5°	5974.2	5967.3	5962.7	5945.6	5911.3	5890.7	5862.1	5820.9	5741.9	5668.7	5579.5
7.5°	5947.9	5939.9	5929.6	5909.0	5870.1	5852.9	5812.9	5759.1	5664.2	5568.1	5439.9
10°	5866.6	5864.4	5859.8	5855.2	5822.0	5808.3	5771.7	5714.5	5620.7	5504.0	5354.1
12.5°	5776.3	5782.0	5800.3	5824.3	5809.4	5802.6	5779.7	5740.8	5644.7	5518.9	5338.1
15°	5719.1	5735.1	5784.3	5847.2	5859.8	5857.5	5851.8	5826.6	5724.8	5585.2	5374.7
17.5°	5699.6	5725.9	5819.7	5923.8	5960.5	5968.5	5970.8	5927.3	5814.0	5666.4	5412.5
20°	5735.1	5768.3	5905.5	6048.5	6106.9	6111.5	6101.2	6025.7	5898.7	5736.2	5433.1
22.5°	5842.6	5872.4	6044.0	6205.3	6271.6	6278.5	6247.6	6133.2	5987.9	5818.6	5461.7
25°	6049.7	6086.3	6257.9	6419.2	6453.5	6454.7	6410.1	6268.2	6104.6	5934.1	5523.4
27.5°	6319.7	6356.3	6510.7	6668.6	6650.3	6640.0	6579.4	6437.5	6256.8	6093.2	5633.3
30°	6620.6	6660.6	6807.0	6919.2	6875.7	6855.1	6805.9	6622.9	6468.4	6310.5	5801.4
32.5°	6931.8	6968.4	7096.5	7173.1	7118.2	7109.1	7034.7	6867.7	6744.1	6642.3	6073.7
35°	7250.9	7277.3	7403.1	7446.6	7373.4	7371.1	7350.5	7197.2	7119.4	7167.4	6469.6
37.5°	7577.0	7583.9	7691.4	7693.7	7671.9	7681.1	7702.8	7606.7	7628.5	7778.3	6984.4
40°	7867.6	7885.9	7963.7	7987.7	8025.5	8057.5	8166.2	8103.2	8271.4	8536.8	7625.0
42.5°	8082.7	8118.1	8242.8	8304.6	8427.0	8477.4	8630.7	8689.0	9027.6	9425.8	8387.0
45°	8264.6	8319.5	8519.7	8646.7	8853.7	8941.8	9161.5	9357.1	9882.2	10390.2	9188.9
47.5°	8461.3	8531.1	8781.7	9024.2	9305.6	9405.2	9804.4	10097.3	10794.0	11360.3	9945.2
50°	8750.8	8804.5	9049.4	9430.3	9781.6	9909.7	10462.3	10882.1	11720.7	12284.7	10600.7
52.5°	9154.6	9134.0	9341.1	9875.4	10346.7	10504.6	11164.7	11717.3	12660.0	13121.0	11154.4
55°	9560.8	9526.4	9671.7	10341.0	11005.7	11171.6	11938.1	12555.9	13553.5	13873.8	11578.8
57.5°	10012.7	9947.4	10069.9	10866.1	11756.2	11954.1	12804.1	13447.1	14432.1	14482.4	11848.8
60°	10478.3	10390.2	10527.5	11517.1	12709.2	12942.5	13817.7	14316.5	15260.4	14969.8	11935.8
62.5°	10885.6	10823.8	11035.4	12243.5	13783.4	14039.7	14813.1	15240.9	16077.2	15172.3	11622.3
65°	11241.4	11251.7	11617.7	13060.4	14981.2	15254.7	15954.8	16380.4	16720.2	15052.2	10889.0
67.5°	11665.8	11724.1	12348.8	14135.8	16489.1	16788.8	17616.0	17622.8	17079.4	14347.4	9445.2
70°	12284.7	12404.8	13354.4	15627.6	18633.0	19044.9	19683.2	18352.7	16574.9	12436.9	7431.7
72.5°	12833.9	13058.1	14424.1	17334.5	21246.0	21558.3	20892.5	17931.7	14466.4	9320.5	4629.9
74°	12610.8	12888.8	14618.6	18175.4	22229.9	22379.7	20484.1	16703.0	12061.6	6454.7	2690.8
75°	12130.3	12432.3	14334.8	18167.4	22105.2	22021.7	19497.9	15299.3	9933.7	4402.3	1790.4
77.5°	9789.6	10108.8	12078.8	15570.4	18125.1	18046.1	14977.8	10263.2	4350.8	1443.8	909.5
80°	5691.6	5935.3	7498.1	9888.0	12221.8	12364.8	9850.2	5078.4	1711.5	811.1	616.6
82.5°	2528.3	2696.5	3622.0	5047.5	7375.6	7559.8	5158.5	2661.0	1057.1	493.1	370.7
85°	1658.9	1783.6	2198.8	2403.6	3512.2	3638.1	2524.9	2071.9	697.9	271.1	272.3
87.5°	1193.2	1313.4	1633.7	1426.6	1612.0	1526.2	1374.0	1917.4	280.3	154.4	91.5
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°	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5	5722.5
2.5°	5668.7	5650.4	5609.2	5531.4	5488.0	5451.4	5390.7	5355.3	5339.2	5338.1	5345.0
5°	5528.0	5485.7	5379.3	5248.9	5144.8	5049.8	4932.0	4861.0	4810.7	4781.0	4789.0
7.5°	5364.4	5298.1	5131.0	4922.8	4755.8	4571.6	4389.7	4281.0	4196.3	4133.4	4144.9
10°	5252.3	5160.8	4917.1	4617.4	4339.4	4071.6	3821.1	3671.2	3552.3	3460.7	3467.6
12.5°	5214.5	5091.0	4753.5	4353.1	3963.0	3596.9	3269.7	3039.7	2917.3	2813.2	2821.2
15°	5220.3	5054.4	4616.2	4115.1	3624.3	3163.3	2766.3	2497.4	2331.6	2259.5	2260.6
17.5°	5224.8	5012.0	4472.1	3860.0	3289.1	2758.3	2327.0	2054.7	1898.0	1831.6	1832.8
20°	5210.0	4943.4	4293.6	3567.1	2939.0	2386.5	1968.9	1737.8	1618.8	1567.3	1567.3
22.5°	5190.5	4862.2	4092.2	3273.1	2593.5	2063.9	1712.6	1536.4	1467.8	1433.5	1432.3
25°	5199.7	4801.5	3886.3	2971.1	2275.5	1806.4	1542.2	1425.5	1379.7	1358.0	1356.8
27.5°	5248.9	4772.9	3696.4	2670.2	1997.5	1613.1	1427.8	1345.4	1315.6	1301.9	1301.9
30°	5338.1	4772.9	3498.5	2413.9	1766.4	1470.1	1339.7	1283.6	1263.0	1253.9	1253.9
32.5°	5493.7	4799.3	3307.4	2160.0	1582.2	1358.0	1266.5	1228.7	1212.7	1208.1	1208.1
35°	5761.4	4888.5	3120.9	1919.7	1433.5	1266.5	1196.7	1174.9	1163.5	1162.3	1165.8
37.5°	6137.8	5070.4	2945.9	1742.4	1328.2	1192.1	1138.3	1121.2	1114.3	1120.0	1124.6
40°	6611.4	5317.5	2786.9	1582.2	1248.1	1132.6	1084.6	1073.1	1069.7	1077.7	1084.6
42.5°	7183.4	5651.6	2656.5	1466.7	1186.4	1082.3	1038.8	1025.1	1021.6	1030.8	1039.9
45°	7802.4	6010.8	2564.9	1380.9	1138.3	1044.5	998.7	983.9	977.0	981.6	991.9
47.5°	8365.2	6350.6	2528.3	1320.2	1092.6	1012.5	963.3	945.0	933.5	931.3	939.3
50°	8840.0	6603.4	2545.5	1283.6	1056.0	977.0	929.0	908.4	891.2	880.9	886.6
52.5°	9185.5	6762.4	2561.5	1267.6	1027.3	938.1	891.2	871.8	848.9	831.7	831.7
55°	9436.1	6799.0	2526.0	1255.0	1005.6	895.8	848.9	830.6	807.7	788.2	786.0
57.5°	9534.4	6696.1	2394.5	1236.7	990.7	855.7	804.3	790.5	771.1	748.2	747.1
60°	9401.7	6378.0	2140.5	1197.8	971.3	822.6	759.6	750.5	741.3	719.6	718.5
62.5°	8868.6	5680.2	1812.2	1118.9	932.4	787.1	718.5	723.0	724.2	709.3	707.0
65°	7901.9	4721.5	1491.8	1015.9	874.0	744.8	676.1	697.9	710.5	708.2	704.7
67.5°	6497.0	3674.7	1264.2	907.2	797.4	686.4	630.4	655.5	665.8	673.8	671.6
70°	4822.1	2591.3	1045.7	792.8	704.7	617.8	570.9	583.5	576.6	585.7	589.2
72.5°	2688.5	1554.8	852.3	678.4	608.6	537.7	504.5	502.2	487.4	487.4	487.4
74°	1613.1	1140.6	749.3	607.5	550.3	485.1	456.5	446.2	432.4	433.6	432.4
75°	1297.3	980.4	687.6	560.6	509.1	454.2	425.6	411.9	401.6	401.6	400.4
77.5°	819.1	744.8	553.7	446.2	407.3	374.1	354.7	336.3	336.3	335.2	334.1
80°	618.9	592.6	431.3	337.5	312.3	287.2	274.6	266.6	266.6	270.0	268.8
82.5°	424.4	446.2	303.2	235.7	223.1	204.8	202.5	203.6	200.2	195.6	194.5
85°	310.0	335.2	204.8	148.7	136.1	124.7	133.9	138.4	132.7	122.4	117.8
87.5°	119.0	219.7	109.8	61.8	57.2	49.2	57.2	59.5	64.1	50.3	51.5
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)