

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: P648983

Luminaire Tested: **GLAN-SA6C-835-U-SL4**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648983
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-835-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1050mA 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: 31952.7 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

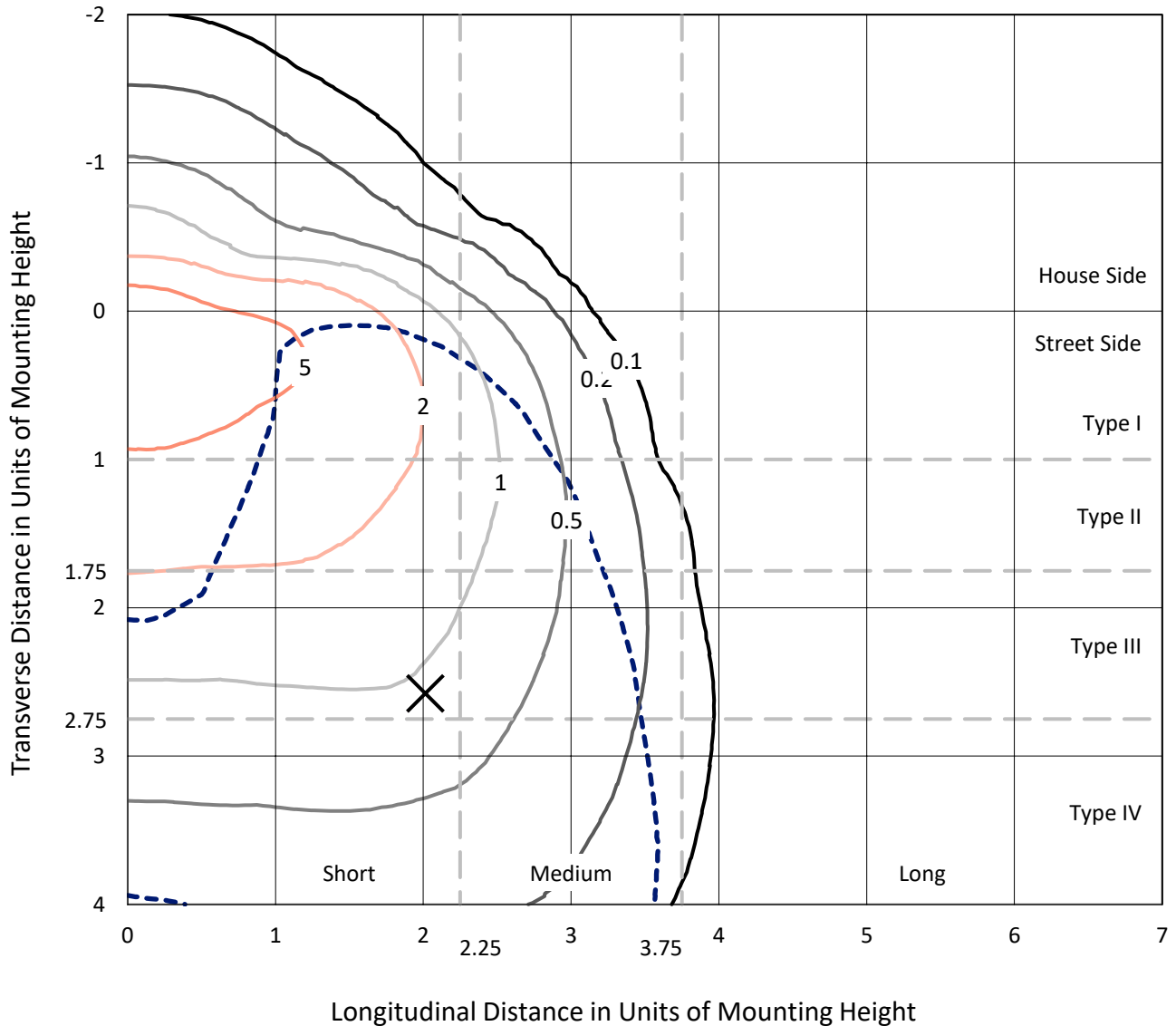
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

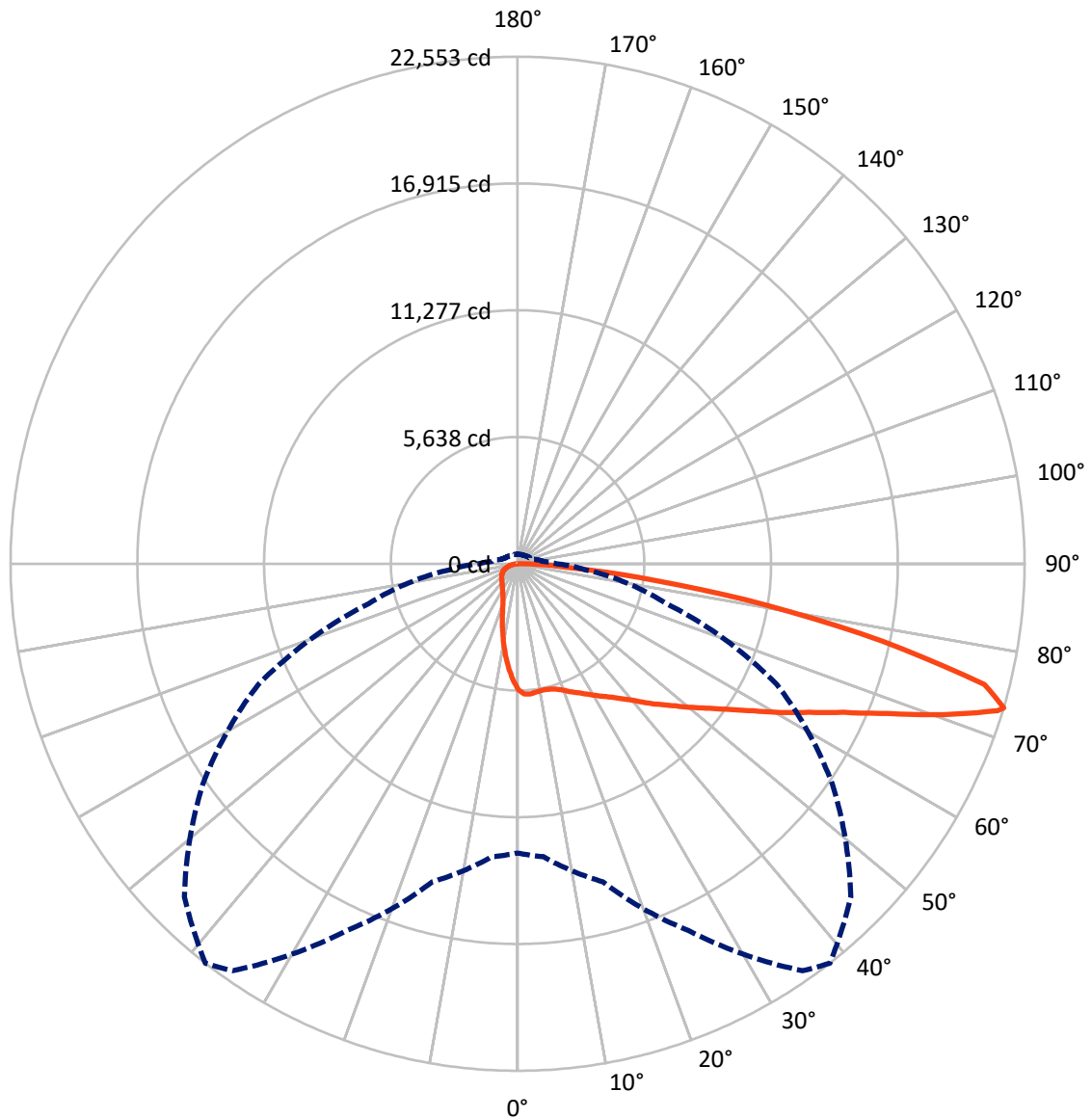
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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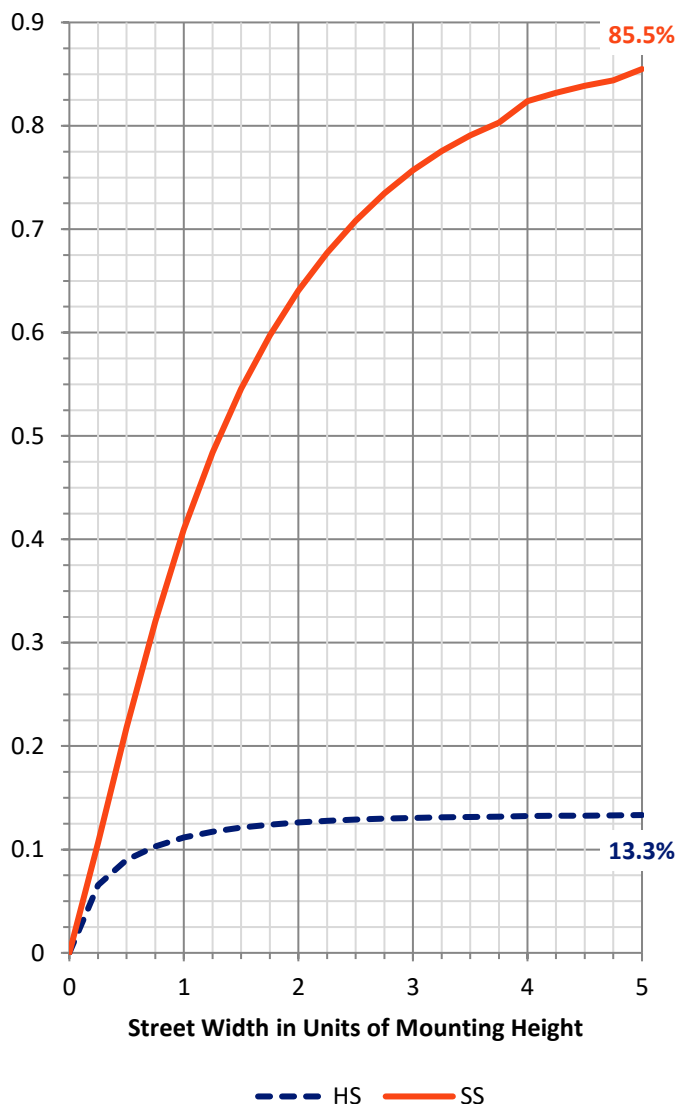
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4295.4	0.0	4295.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27657.3	0.0	27657.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	31952.7	0.0	31952.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	490.0	1.5
10°-20°	1256.5	3.9
20°-30°	1956.6	6.1
30°-40°	2869.9	9.0
40°-50°	4257.3	13.3
50°-60°	6031.7	18.9
60°-70°	7651.4	23.9
70°-80°	6369.2	19.9
80°-90°	1070.1	3.3
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°	31952.7	100.0
0°-180°	31952.7	100.0

Coefficient of Utilization

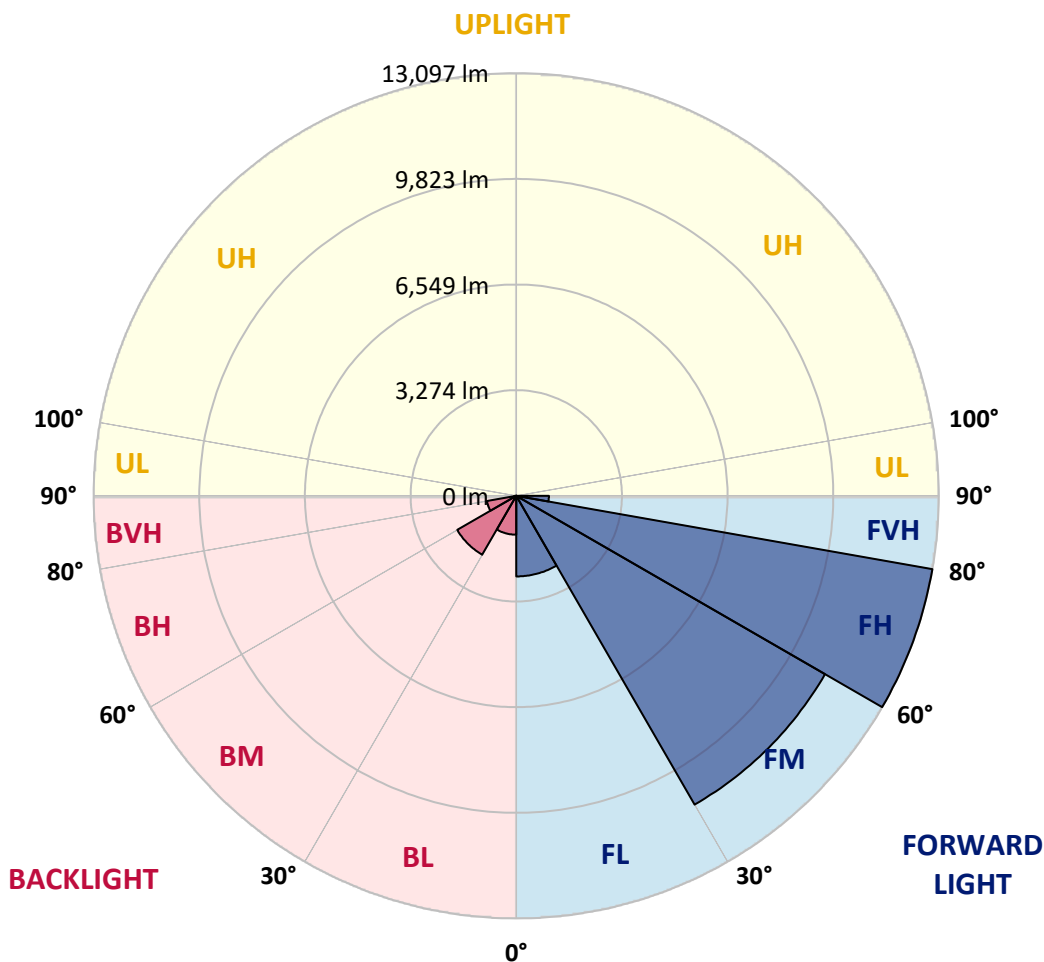


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2497.8	7.8			
FM (30°-60°)	11050.1	34.6			
FH (60°-80°)	13097.3	41.0			G5
FVH (80°-90°)	1012.1	3.2			G5
BL (0°-30°)	1205.3	3.8	B3/2500		
BM (30°-60°)	2108.8	6.6	B2/2500		
BH (60°-80°)	923.3	2.9	B2/1000		G2/1000
BVH (80°-90°)	58.0	0.2			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°	38°	45°	55°	65°	75°	85°
0°	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6
2.5°	5839.1	5868.0	5853.6	5833.7	5821.1	5808.5	5790.4	5738.1	5696.6	5651.5	5581.1
5°	5882.4	5900.5	5887.8	5862.6	5833.7	5821.1	5786.8	5718.2	5651.5	5575.7	5471.0
7.5°	5857.2	5864.4	5849.9	5819.3	5794.0	5770.6	5730.9	5655.1	5573.9	5481.8	5344.7
10°	5767.0	5794.0	5794.0	5768.8	5743.5	5730.9	5691.2	5619.0	5545.0	5440.3	5277.9
12.5°	5693.0	5721.8	5745.3	5738.1	5736.3	5736.3	5705.6	5651.5	5564.9	5465.6	5272.5
15°	5642.4	5676.7	5727.3	5756.1	5774.2	5779.6	5767.0	5720.0	5631.6	5516.1	5294.2
17.5°	5631.6	5673.1	5765.2	5828.3	5875.2	5873.4	5869.8	5804.8	5707.4	5588.3	5321.2
20°	5680.3	5734.5	5862.6	5961.8	6030.4	6017.7	5997.9	5913.1	5799.4	5665.9	5346.5
22.5°	5826.5	5882.4	6023.1	6131.4	6198.1	6198.1	6138.6	6026.8	5905.9	5756.1	5380.8
25°	6035.8	6097.1	6246.9	6356.9	6387.6	6364.1	6304.6	6169.3	6030.4	5886.0	5453.0
27.5°	6292.0	6365.9	6504.9	6596.9	6587.9	6569.9	6508.5	6335.3	6196.3	6064.6	5575.7
30°	6611.4	6665.5	6809.9	6831.5	6799.0	6795.4	6708.8	6535.6	6405.6	6304.6	5750.7
32.5°	6912.7	6961.4	7076.9	7085.9	7028.2	7035.4	6954.2	6795.4	6721.4	6685.3	6044.8
35°	7232.1	7257.4	7356.6	7345.8	7307.9	7302.5	7270.0	7118.4	7141.9	7206.8	6461.6
37.5°	7499.2	7549.7	7605.6	7614.7	7612.9	7630.9	7652.5	7580.4	7715.7	7919.6	7008.3
40°	7744.6	7787.9	7870.9	7899.8	7970.1	8006.2	8080.2	8082.0	8394.2	8729.7	7681.4
42.5°	7910.6	7984.6	8139.8	8192.1	8363.5	8471.7	8581.8	8699.1	9152.0	9583.3	8475.3
45°	8055.0	8152.4	8410.4	8572.8	8805.5	8937.2	9170.0	9415.4	10066.9	10631.7	9281.9
47.5°	8273.3	8359.9	8655.8	8942.7	9294.5	9446.1	9794.4	10160.7	11012.3	11631.3	10054.2
50°	8576.4	8628.7	8930.0	9397.4	9846.7	10041.6	10501.7	11030.4	12022.8	12618.3	10732.7
52.5°	8964.3	8986.0	9226.0	9848.5	10440.4	10682.2	11292.0	11909.1	12907.0	13475.4	11270.4
55°	9422.7	9386.6	9574.2	10326.7	11118.8	11434.6	12089.6	12798.8	13901.2	14168.3	11661.9
57.5°	9875.6	9819.6	9969.4	10907.7	11956.1	12336.8	13100.1	13715.3	14789.0	14816.1	11936.2
60°	10355.6	10314.1	10492.7	11589.8	12982.8	13433.9	14139.4	14666.3	15647.9	15267.2	11979.5
62.5°	10848.2	10781.4	11035.8	12356.7	14139.4	14549.0	15232.9	15676.8	16490.6	15435.0	11562.7
65°	11326.3	11295.6	11689.0	13267.9	15456.7	15922.1	16586.2	16887.5	17165.4	15182.4	10528.8
67.5°	11835.2	11896.5	12524.5	14484.1	17174.5	17759.1	18475.4	18192.1	17358.5	13986.0	8866.9
70°	12611.1	12650.8	13621.5	16077.3	19388.5	20094.0	20440.4	18655.8	16427.4	11714.3	6665.5
72.5°	12944.9	13119.9	14601.3	17750.1	21903.8	22335.1	21100.8	17622.0	13684.7	7957.5	3502.4
73°	12870.9	13080.2	14646.5	18004.5	22100.5	22553.4	20960.1	17089.6	12721.2	6853.2	3002.6
75°	11948.8	12206.9	14060.0	17791.6	21718.0	21447.3	18697.3	14565.3	8596.2	3116.3	1367.7
77.5°	9428.1	9502.1	11140.4	14366.8	17102.3	16600.6	13993.2	9103.3	3511.4	1158.4	775.9
80°	4729.4	5001.9	6279.3	8230.0	11436.4	11272.2	8832.6	4305.3	1463.3	680.3	514.3
82.5°	2275.4	2468.4	3058.5	4013.0	6319.0	6169.3	4373.9	2353.0	929.3	397.0	303.2
85°	1465.1	1609.5	1946.9	1914.5	2598.4	2481.1	1965.0	1780.9	550.4	207.5	211.1
87.5°	967.2	1059.2	1270.3	1015.9	945.6	855.3	868.0	1003.3	108.3	79.4	28.9
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°	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6	5613.6
2.5°	5552.2	5528.8	5451.2	5375.4	5303.2	5234.6	5189.5	5130.0	5090.3	5101.1	5117.3
5°	5413.3	5360.9	5223.8	5090.3	4964.0	4814.2	4693.3	4595.8	4521.9	4494.8	4489.4
7.5°	5267.1	5178.7	4982.0	4752.8	4538.1	4352.2	4137.5	4031.0	3906.5	3863.2	3848.8
10°	5178.7	5059.6	4783.5	4464.1	4141.1	3832.6	3599.8	3410.4	3239.0	3206.5	3190.2
12.5°	5153.4	4996.4	4624.7	4213.3	3783.8	3405.0	3060.3	2811.3	2645.3	2607.4	2551.5
15°	5139.0	4944.1	4476.7	3960.7	3415.8	2953.9	2591.2	2300.6	2149.0	2048.0	2049.8
17.5°	5126.4	4884.6	4310.7	3684.6	3098.2	2565.9	2165.3	1903.6	1764.7	1710.6	1705.1
20°	5108.3	4814.2	4119.5	3394.1	2735.5	2212.2	1849.5	1654.6	1560.8	1515.7	1513.9
22.5°	5101.1	4745.6	3931.8	3098.2	2414.3	1939.7	1640.2	1503.0	1443.5	1412.8	1412.8
25°	5119.1	4696.9	3735.1	2816.7	2129.2	1706.9	1495.8	1402.0	1367.7	1351.5	1346.1
27.5°	5175.1	4675.2	3540.3	2535.2	1867.5	1548.2	1398.4	1333.4	1308.2	1295.6	1297.4
30°	5281.5	4673.4	3349.0	2257.3	1672.7	1427.3	1320.8	1275.7	1255.9	1248.7	1246.8
32.5°	5453.0	4713.1	3161.4	2028.1	1508.5	1326.2	1248.7	1216.2	1207.2	1201.7	1199.9
35°	5743.5	4825.0	2975.5	1818.8	1382.2	1236.0	1180.1	1163.9	1151.2	1156.6	1158.4
37.5°	6135.0	5018.1	2798.7	1654.6	1286.5	1169.3	1122.4	1107.9	1100.7	1106.1	1111.5
40°	6660.1	5296.0	2650.7	1522.9	1218.0	1113.3	1071.8	1059.2	1052.0	1061.0	1062.8
42.5°	7239.3	5617.2	2528.0	1420.0	1162.1	1066.4	1026.7	1012.3	1006.9	1012.3	1014.1
45°	7834.8	5990.7	2464.8	1346.1	1115.1	1032.2	990.7	974.4	961.8	958.2	963.6
47.5°	8421.2	6315.4	2463.0	1301.0	1077.3	1001.5	956.4	938.3	922.1	913.1	911.3
50°	8899.4	6573.5	2506.3	1281.1	1044.8	967.2	922.1	904.1	882.4	864.4	868.0
52.5°	9260.3	6741.3	2526.2	1272.1	1026.7	931.1	886.0	869.8	844.5	821.0	821.0
55°	9493.0	6781.0	2477.5	1263.1	1012.3	893.2	844.5	830.1	804.8	781.3	781.3
57.5°	9572.4	6658.3	2302.4	1241.4	997.9	860.7	803.0	790.4	770.5	747.1	743.5
60°	9388.4	6243.3	1995.7	1176.5	969.0	826.5	757.9	752.5	745.3	725.4	723.6
62.5°	8679.2	5362.7	1661.8	1091.7	920.3	790.4	716.4	725.4	730.8	720.0	718.2
65°	7499.2	4354.0	1420.0	974.4	855.3	739.8	671.3	694.7	709.2	709.2	705.6
67.5°	6082.7	3343.6	1196.3	873.4	774.1	671.3	620.7	638.8	649.6	646.0	655.0
70°	4323.4	2264.5	974.4	757.9	671.3	593.7	555.8	555.8	548.6	545.0	545.0
72.5°	2096.7	1293.8	790.4	633.4	572.0	507.1	476.4	463.8	449.3	447.5	438.5
73°	1752.1	1160.2	754.3	609.9	548.6	494.4	460.1	440.3	431.3	424.1	422.3
75°	1066.4	880.6	629.8	514.3	467.4	425.9	395.2	377.1	368.1	362.7	360.9
77.5°	701.9	656.8	489.0	393.4	357.3	332.0	319.4	301.4	295.9	288.7	288.7
80°	523.3	501.6	350.1	277.9	256.2	234.6	231.0	227.4	212.9	203.9	200.3
82.5°	337.4	357.3	238.2	185.9	162.4	144.4	146.2	151.6	137.1	124.5	120.9
85°	240.0	258.0	144.4	84.8	68.6	59.5	66.8	59.5	61.4	48.7	39.7
87.5°	39.7	68.6	25.3	10.8	5.4	3.6	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)