

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: P323813

Luminaire Tested: **GAN-SA9C-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323813
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46737 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

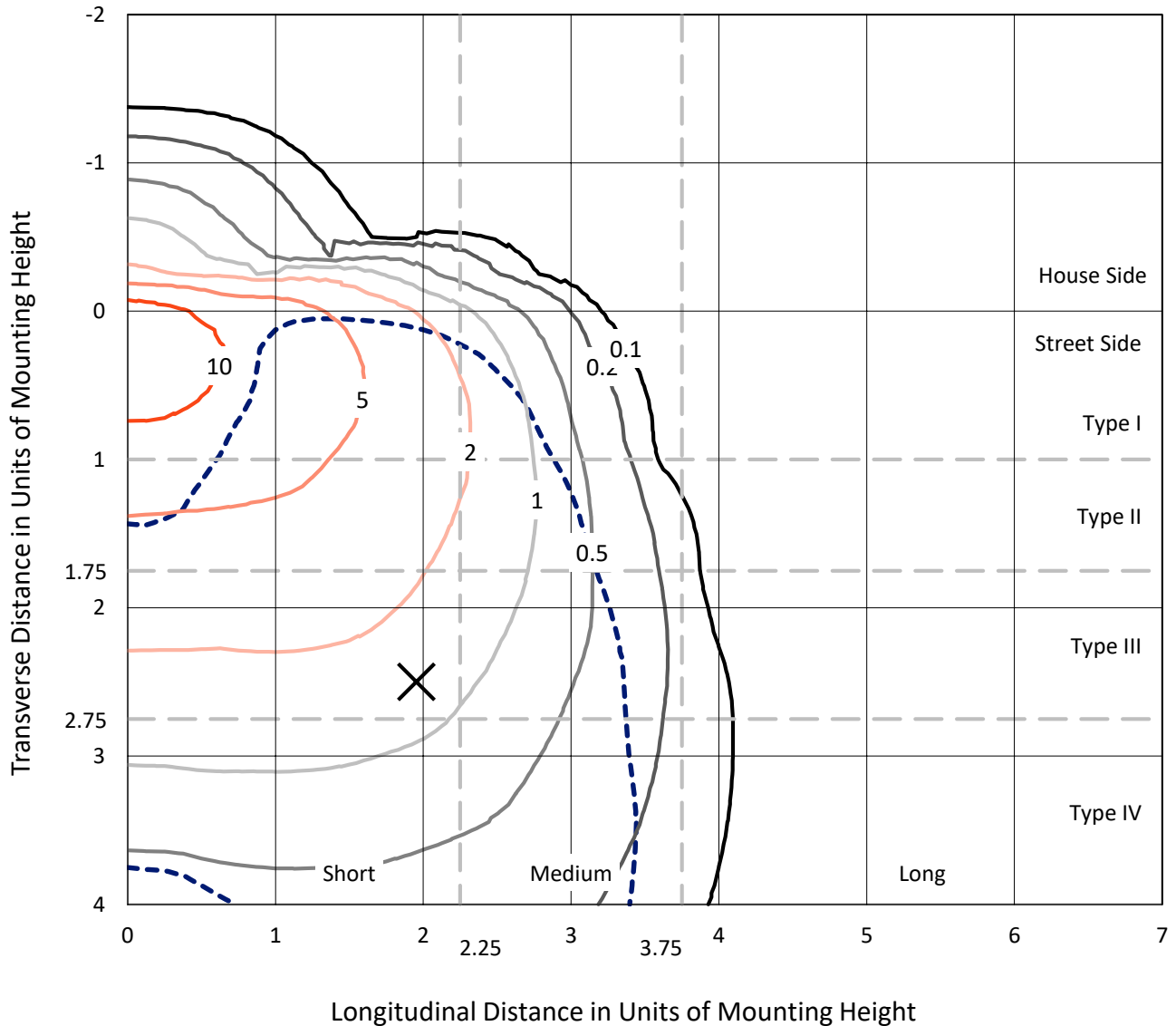
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323813
 CATALOG NUMBER: GAN-SA9C-730-U-SL4-HSS

Iso-Footcandle Lines of Horizontal Illumination

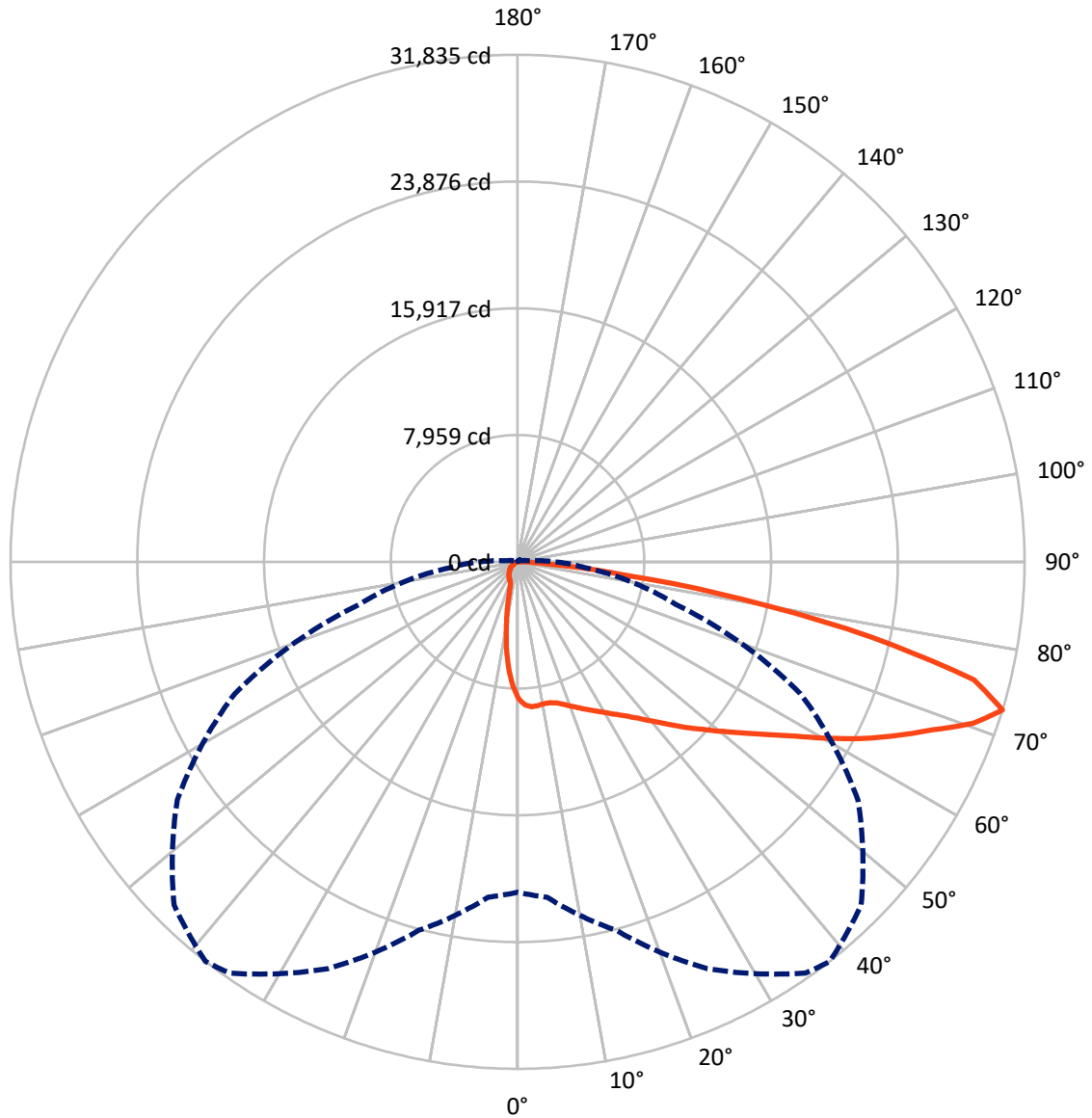
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P323813
CATALOG NUMBER: GAN-SA9C-730-U-SL4-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P323813
 CATALOG NUMBER: GAN-SA9C-730-U-SL4-HSS

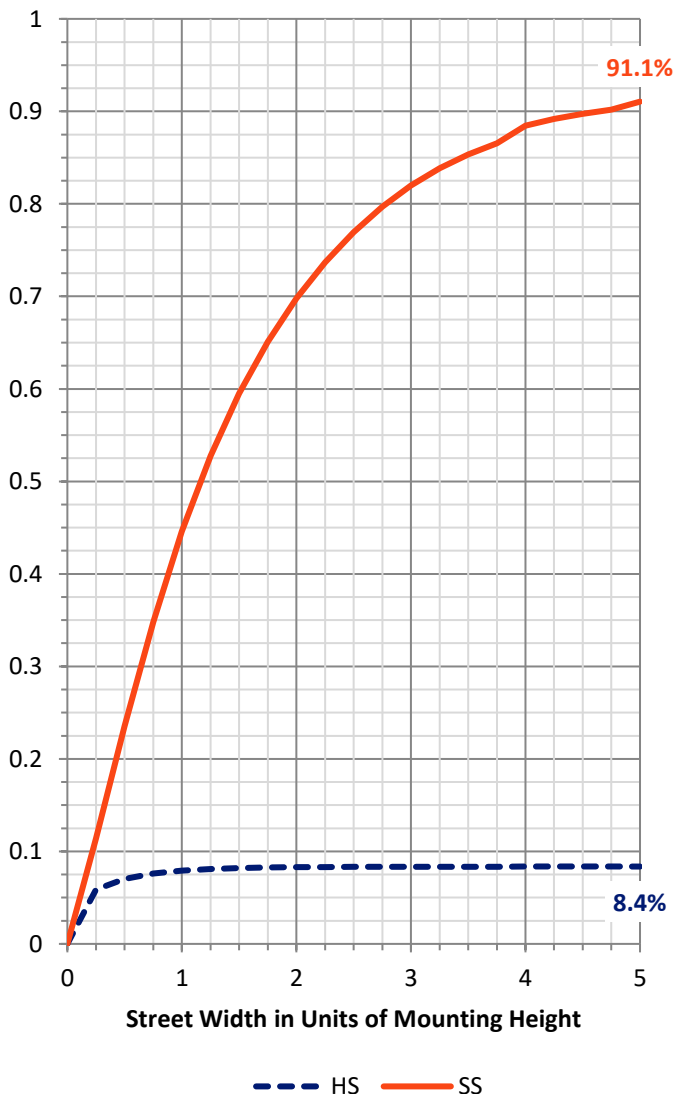
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3933.1	0.0	3933.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	42803.9	0.0	42803.9
	% Fixture	91.6	0.0	91.6
Total	Lumens	46737.0	0.0	46737.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.4	1.6
10°-20°	1791.0	3.8
20°-30°	2848.5	6.1
30°-40°	4282.4	9.2
40°-50°	6533.2	14.0
50°-60°	9233.6	19.8
60°-70°	11582.0	24.8
70°-80°	8660.1	18.5
80°-90°	1073.8	2.3
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°	46737.0	100.0
0°-180°	46737.0	100.0

Coefficient of Utilization

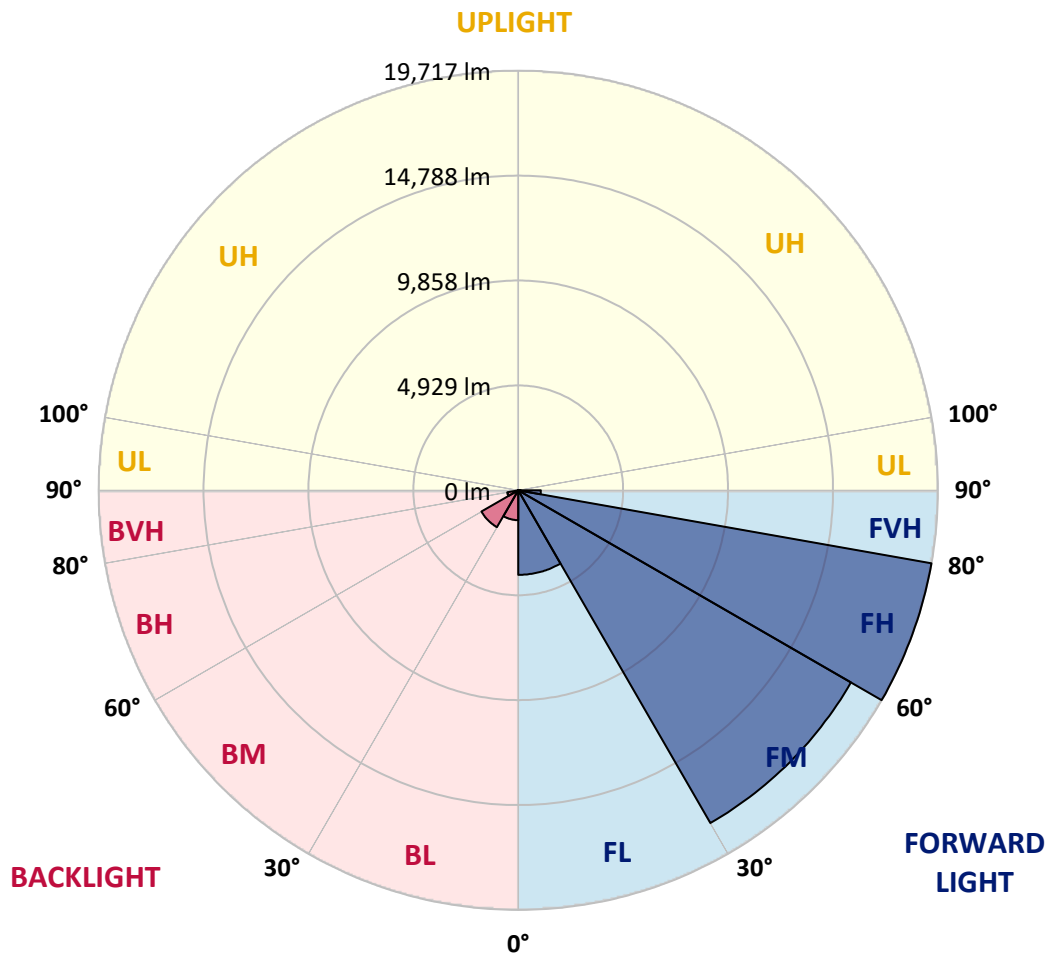


REPORT NUMBER: P323813
 CATALOG NUMBER: GAN-SA9C-730-U-SL4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3971.5	8.5			
FM (30°-60°)	18051.9	38.6			
FH (60°-80°)	19716.7	42.2			G5
FVH (80°-90°)	1063.8	2.3			G5
BL (0°-30°)	1400.4	3.0	B3/2500		
BM (30°-60°)	1997.3	4.3	B2/2500		
BH (60°-80°)	525.4	1.1	B2/1000		G2/1000
BVH (80°-90°)	10.0	0.0			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





REPORT NUMBER: P323813

CATALOG NUMBER: GAN-SA9C-730-U-SL4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8
2.5°	9122.7	9124.7	9103.3	9068.4	9023.7	9000.5	8961.6	8899.5	8833.5	8715.1	8587.0
5°	9309.1	9309.1	9281.9	9235.3	9163.5	9142.1	9068.4	8969.4	8833.5	8641.4	8425.9
7.5°	9289.7	9293.5	9256.7	9208.1	9136.3	9116.9	9027.6	8917.0	8748.1	8515.2	8239.6
10°	9188.7	9198.4	9169.3	9146.0	9080.0	9058.7	8975.2	8864.6	8695.7	8447.3	8130.9
12.5°	9085.9	9095.6	9105.3	9126.6	9085.9	9078.1	9012.1	8918.9	8757.8	8499.7	8142.5
15°	9019.9	9039.3	9109.1	9192.6	9202.3	9194.6	9151.8	9064.5	8901.5	8633.6	8226.0
17.5°	9019.9	9050.9	9196.5	9355.7	9411.9	9417.8	9380.9	9258.6	9064.5	8777.2	8303.6
20°	9095.6	9138.3	9365.4	9590.5	9683.7	9683.7	9611.9	9441.1	9214.0	8907.3	8356.0
22.5°	9289.7	9346.0	9631.3	9891.4	9990.4	9969.0	9872.0	9623.5	9369.2	9054.8	8422.0
25°	9672.0	9714.7	10011.7	10273.8	10333.9	10285.4	10163.1	9844.8	9567.2	9254.7	8542.4
27.5°	10165.1	10170.9	10477.6	10698.8	10662.0	10629.0	10475.6	10122.4	9852.6	9540.1	8750.1
30°	10706.6	10706.6	10976.4	11145.3	11032.7	11005.5	10852.2	10458.1	10217.5	9928.3	9045.1
32.5°	11230.7	11254.0	11473.3	11580.0	11453.9	11426.7	11277.3	10883.2	10702.7	10520.3	9505.1
35°	11737.3	11754.7	11962.4	12020.7	11900.3	11908.1	11801.3	11467.5	11399.5	11376.2	10198.1
37.5°	12228.3	12232.2	12443.8	12480.7	12420.5	12486.5	12496.2	12201.2	12327.3	12515.6	11174.4
40°	12676.7	12680.6	12890.2	12985.3	13088.2	13173.6	13249.3	13092.1	13509.4	13946.1	12337.0
42.5°	13035.8	13076.6	13342.5	13523.0	13794.7	13957.8	14163.5	14155.8	14916.6	15572.7	13742.3
45°	13352.2	13422.1	13792.8	14109.2	14575.0	14835.1	15157.3	15409.7	16500.5	17383.7	15165.1
47.5°	13769.5	13835.5	14258.6	14776.9	15398.0	15739.6	16273.4	16818.8	18241.6	19161.6	16554.9
50°	14357.6	14328.5	14745.8	15489.2	16287.0	16735.4	17496.2	18313.4	19969.1	20710.5	17372.0
52.5°	14984.6	14972.9	15281.6	16263.7	17335.1	17859.2	18864.6	19858.4	21620.9	21778.1	17746.6
55°	15761.0	15677.5	15937.6	17146.9	18579.3	19142.2	20326.2	21388.0	22936.9	22379.8	17934.9
57.5°	16574.3	16436.4	16684.9	18130.9	19982.7	20648.4	21945.0	22878.7	23812.3	22791.3	17933.0
60°	17414.7	17251.7	17546.7	19361.5	21725.7	22496.3	23699.7	23886.0	24629.4	22999.0	17801.0
62.5°	18117.4	18020.3	18459.0	20677.6	23672.5	24429.5	25025.4	24802.2	25318.5	23160.1	17492.4
65°	18860.8	18866.6	19575.1	22212.9	25741.6	26252.1	26302.6	25990.1	25895.0	23127.1	16448.1
67.5°	19866.2	19959.4	21141.5	24297.5	27754.5	28148.5	28144.6	27277.0	26316.2	21815.0	14132.5
70°	20929.9	21149.2	22946.6	26683.0	29951.7	30351.5	30145.8	28096.1	24778.9	17639.9	10002.0
72.5°	20751.3	21131.7	23950.1	28187.3	31529.7	31834.5	30497.1	26083.3	19584.8	10252.4	4258.6
75°	16009.4	16450.0	21960.6	26696.6	29874.0	29600.4	26203.6	20297.1	10702.7	2861.0	958.9
77.5°	8457.0	8691.8	14507.1	20337.9	23294.0	22721.4	18459.0	11259.8	3262.8	708.5	430.9
80°	4429.4	4483.7	6321.9	11539.3	14377.0	14380.9	10939.5	4945.7	1345.1	363.0	289.2
82.5°	2371.9	2418.5	3340.5	5331.9	7533.0	6828.5	4188.7	2721.3	782.2	205.7	277.6
85°	570.7	580.4	1894.4	2436.0	2962.0	2115.7	1244.2	2284.6	211.6	120.3	225.2
87.5°	219.3	223.2	702.6	1054.0	755.1	489.1	582.3	852.1	27.2	46.6	34.9
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: P323813
 CATALOG NUMBER: GAN-SA9C-730-U-SL4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8	8594.8
2.5°	8509.4	8458.9	8334.7	8177.5	8037.7	7936.8	7785.4	7686.4	7620.4	7618.5	7593.2
5°	8293.9	8191.1	7923.2	7604.9	7315.7	7055.6	6748.9	6506.3	6325.7	6296.6	6234.5
7.5°	8062.9	7894.1	7482.6	6985.7	6500.4	6007.4	5434.8	5079.6	4774.9	4629.3	4613.8
10°	7921.3	7684.4	7100.2	6382.0	5621.2	4819.5	4070.3	3552.0	3177.4	3070.7	2991.1
12.5°	7892.1	7579.6	6805.2	5815.3	4728.3	3668.5	2839.7	2288.4	1989.5	1894.4	1869.2
15°	7921.3	7531.1	6556.7	5254.3	3823.8	2602.9	1906.1	1585.8	1473.2	1446.1	1444.1
17.5°	7938.7	7472.9	6275.3	4631.2	2946.4	1859.5	1459.6	1366.5	1349.0	1347.1	1350.9
20°	7936.8	7383.6	5939.5	3936.4	2191.4	1461.6	1319.9	1300.5	1296.6	1298.5	1296.6
22.5°	7923.2	7278.8	5570.7	3220.1	1655.7	1306.3	1259.7	1248.1	1246.1	1246.1	1246.1
25°	7948.4	7195.3	5165.0	2535.0	1364.5	1234.5	1205.4	1195.7	1193.7	1193.7	1189.8
27.5°	8039.7	7148.7	4720.5	1950.7	1232.5	1170.4	1147.1	1145.2	1139.4	1137.4	1141.3
30°	8187.2	7148.7	4233.3	1517.9	1153.0	1104.4	1087.0	1083.1	1081.1	1079.2	1081.1
32.5°	8447.3	7203.1	3701.5	1261.7	1077.3	1030.7	1019.0	1024.9	1019.0	1019.0	1019.0
35°	8917.0	7366.1	3144.4	1100.6	997.7	958.9	947.2	955.0	951.1	951.1	949.2
37.5°	9602.2	7668.9	2583.5	1003.5	927.8	887.0	871.5	883.2	879.3	879.3	877.3
40°	10436.8	8109.5	2049.7	929.7	859.9	817.2	803.6	809.4	799.7	799.7	803.6
42.5°	11467.5	8668.5	1583.9	857.9	791.9	751.2	743.4	737.6	720.1	710.4	712.3
45°	12612.7	9250.8	1234.5	788.0	727.9	694.9	683.2	667.7	638.6	619.2	621.1
47.5°	13635.6	9699.2	1003.5	720.1	669.6	644.4	626.9	597.8	555.1	531.8	533.8
50°	14173.2	9767.1	854.0	652.2	615.3	590.1	564.8	520.2	469.7	444.5	442.5
52.5°	14311.0	9448.8	743.4	590.1	561.0	531.8	498.8	438.7	382.4	355.2	351.3
55°	14361.5	8963.6	644.4	531.8	502.7	469.7	427.0	359.1	306.7	279.5	277.6
57.5°	14194.6	8239.6	566.8	479.4	444.5	403.7	351.3	287.3	236.8	215.5	215.5
60°	13823.9	7259.4	506.6	423.1	384.3	337.7	283.4	223.2	176.6	159.2	159.2
62.5°	13084.3	5989.9	450.3	364.9	328.0	279.5	229.0	168.9	124.2	114.5	116.5
65°	11688.7	4543.9	394.0	312.5	279.5	231.0	178.6	120.3	83.5	83.5	87.3
67.5°	9532.3	3156.1	335.8	265.9	240.7	188.3	135.9	83.5	58.2	66.0	73.8
70°	6310.2	1770.2	287.3	219.3	205.7	149.5	100.9	56.3	46.6	62.1	75.7
72.5°	2381.6	689.1	240.7	176.6	178.6	114.5	71.8	42.7	42.7	67.9	89.3
75°	663.8	337.7	172.7	130.0	139.8	83.5	52.4	36.9	40.8	77.6	104.8
77.5°	390.1	248.4	112.6	75.7	95.1	58.2	34.9	29.1	34.9	66.0	100.9
80°	314.4	132.0	66.0	38.8	52.4	33.0	23.3	17.5	9.7	25.2	52.4
82.5°	314.4	79.6	31.1	27.2	27.2	17.5	11.6	7.8	1.9	0.0	13.6
85°	211.6	33.0	19.4	17.5	13.6	5.8	3.9	1.9	0.0	0.0	0.0
87.5°	34.9	13.6	7.8	3.9	1.9	0.0	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)