

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: P322202

Luminaire Tested: **GAN-SA8B-730-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30395 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

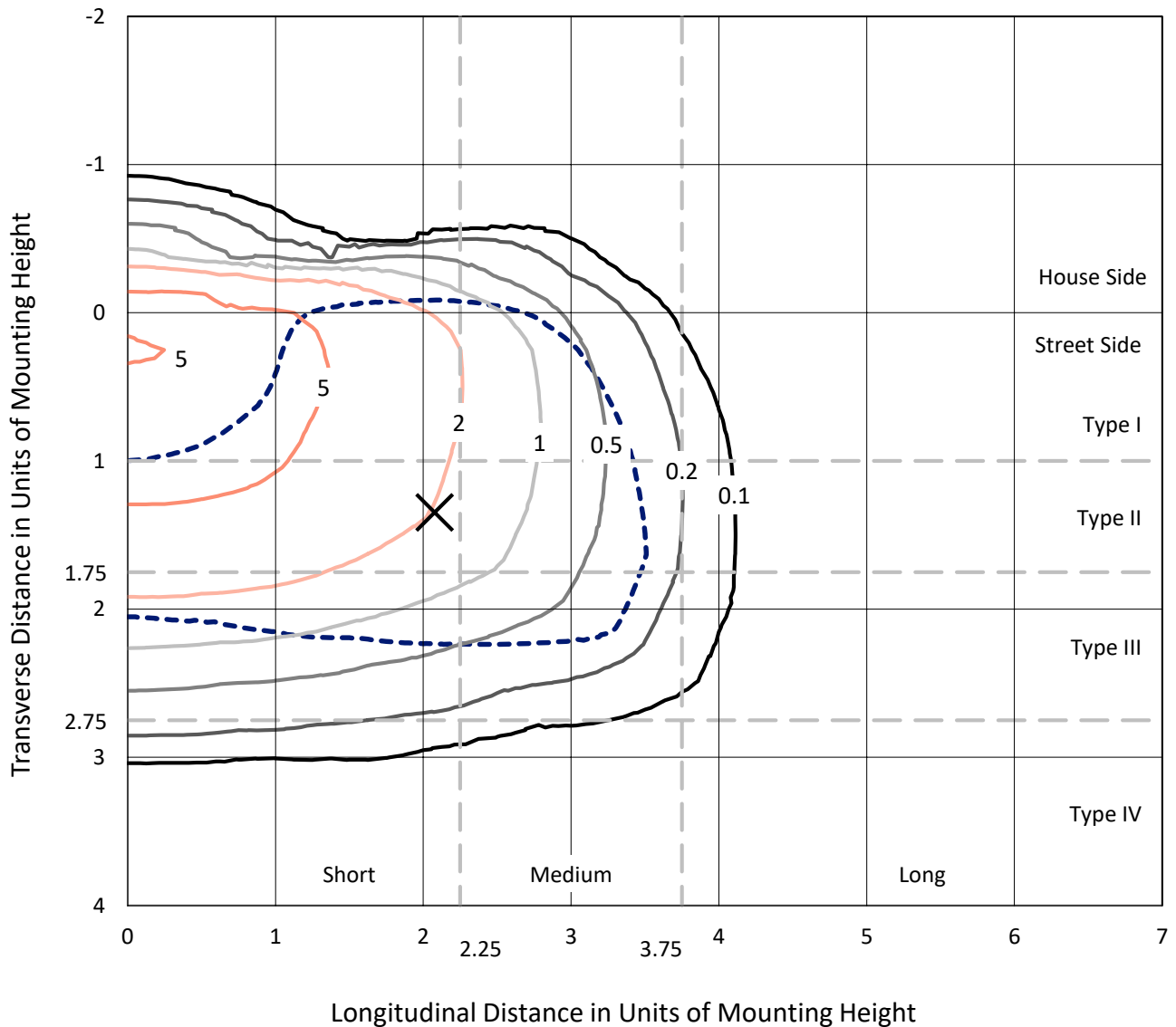
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322202
 CATALOG NUMBER: GAN-SA8B-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

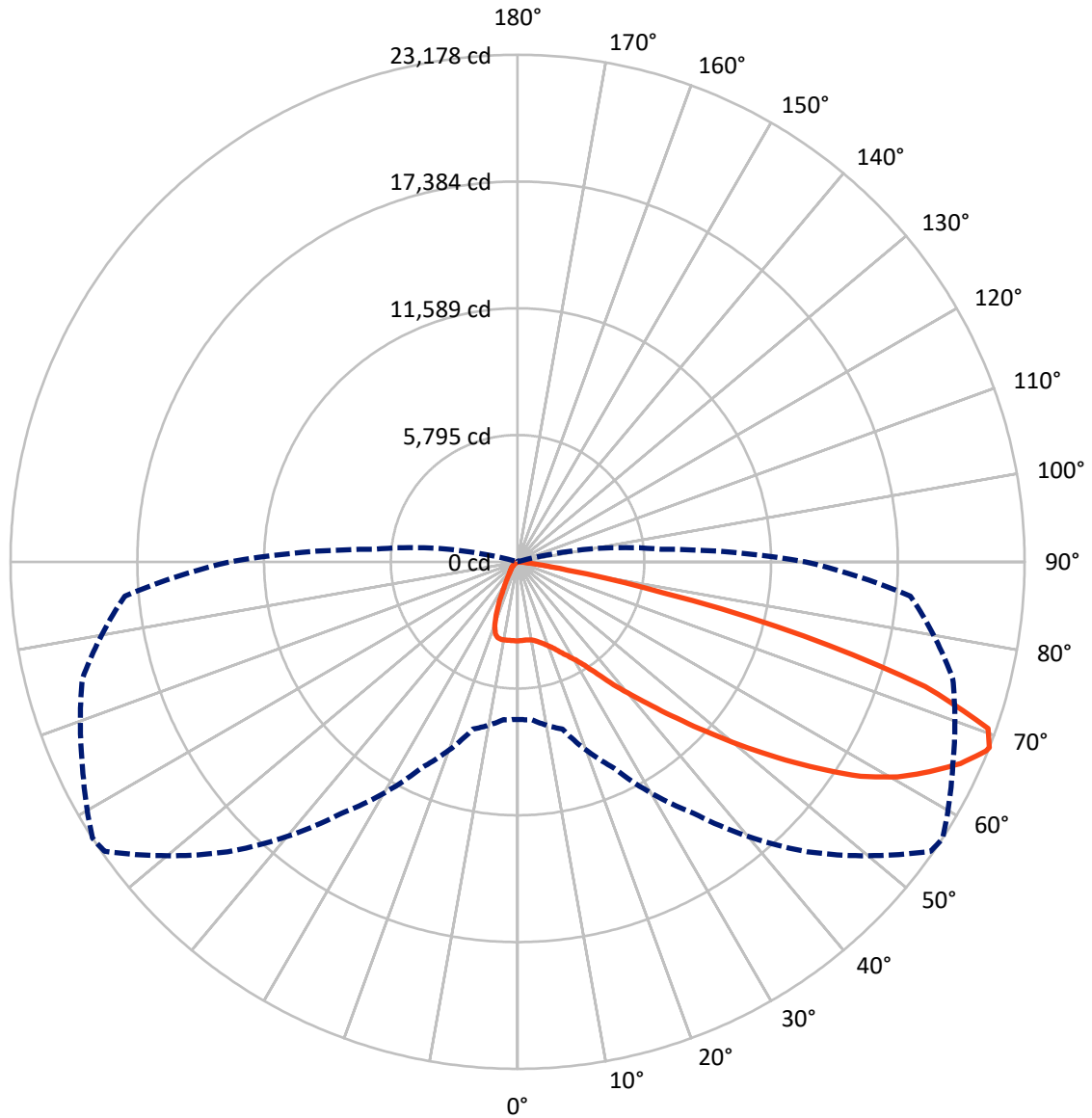
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P322202
CATALOG NUMBER: GAN-SA8B-730-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P322202

CATALOG NUMBER: GAN-SA8B-730-U-T3-HSS

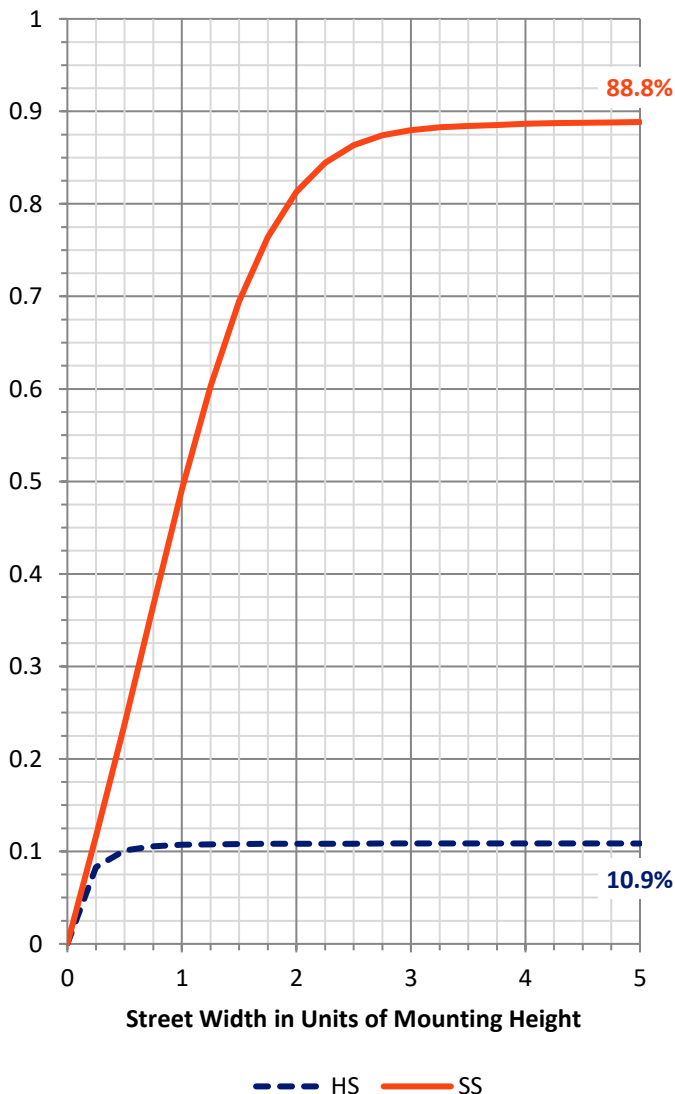
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3333.0	0.0	3333.0
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	27062.0	0.0	27062.0
	% Fixture	89.0	0.0	89.0
Total	Lumens	30395.0	0.0	30395.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.0	1.1
10°-20°	936.6	3.1
20°-30°	1615.8	5.3
30°-40°	2788.8	9.2
40°-50°	4770.2	15.7
50°-60°	7631.9	25.1
60°-70°	8817.9	29.0
70°-80°	3369.4	11.1
80°-90°	126.3	0.4
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°	30395.0	100.0
0°-180°	30395.0	100.0

Coefficient of Utilization



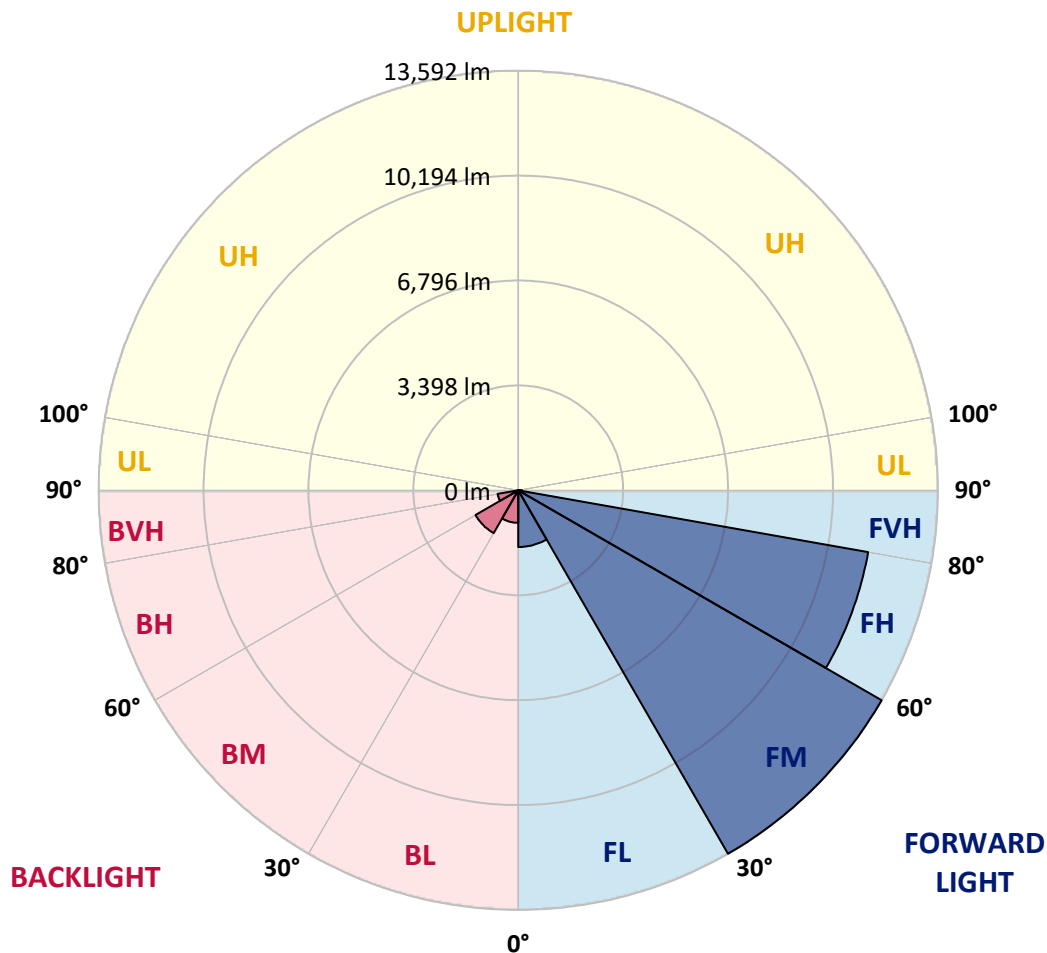
REPORT NUMBER: P322202
 CATALOG NUMBER: GAN-SA8B-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1837.1	6.0			
FM (30°-60°)	13592.4	44.7			
FH (60°-80°)	11508.5	37.9			G4/12000
FVH (80°-90°)	124.0	0.4			G2/225
BL (0°-30°)	1053.3	3.5	B3/2500		
BM (30°-60°)	1598.6	5.3	B2/2500		
BH (60°-80°)	678.8	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.3	0.0			G0/10
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 Short





REPORT NUMBER: P322202

CATALOG NUMBER: GAN-SA8B-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7
2.5°	3526.9	3542.7	3554.2	3561.4	3570.0	3588.7	3594.5	3603.1	3607.4	3607.4	3617.5
5°	3387.5	3404.8	3429.2	3449.3	3489.6	3541.3	3578.7	3593.0	3618.9	3641.9	3654.8
7.5°	3258.2	3278.3	3307.0	3354.5	3423.5	3506.8	3584.4	3604.5	3654.8	3703.7	3728.1
10°	3174.8	3190.6	3228.0	3295.5	3386.1	3502.5	3611.7	3636.2	3722.4	3804.3	3850.3
12.5°	3146.1	3160.4	3199.2	3275.4	3387.5	3524.1	3675.0	3710.9	3837.4	3956.7	4021.3
15°	3187.7	3190.6	3232.3	3304.2	3414.8	3577.2	3779.9	3823.0	3982.5	4137.7	4218.2
17.5°	3348.7	3335.8	3357.3	3389.0	3476.6	3647.7	3890.5	3955.2	4167.9	4350.5	4426.6
20°	3751.1	3751.1	3702.3	3616.0	3617.5	3756.9	4040.0	4113.3	4373.5	4584.7	4653.7
22.5°	4439.6	4426.6	4328.9	4117.6	3923.6	3945.2	4222.5	4317.4	4620.7	4846.3	4869.3
25°	5267.4	5251.6	5100.7	4803.2	4466.9	4249.9	4469.7	4579.0	4915.3	5115.1	5067.6
27.5°	6144.1	6131.2	5981.7	5612.3	5133.7	4735.6	4764.4	4867.9	5215.7	5412.6	5261.7
30°	6993.5	6997.8	6849.8	6470.4	5928.5	5355.1	5138.1	5198.4	5507.4	5707.2	5491.6
32.5°	7801.2	7807.0	7679.1	7255.1	6749.2	6075.1	5655.5	5639.6	5846.6	6043.5	5796.3
35°	8521.3	8535.6	8448.0	8118.8	7582.8	6877.1	6326.6	6289.3	6328.1	6550.8	6263.4
37.5°	9215.4	9224.1	9157.9	8880.6	8432.2	7758.1	7174.6	7121.4	7038.1	7209.1	6880.0
40°	9975.7	9954.2	9878.0	9626.5	9241.3	8731.1	8085.8	7993.8	7848.6	8001.0	7690.6
42.5°	10682.8	10658.4	10671.3	10386.8	10062.0	9731.4	9147.9	8989.8	8905.0	9080.3	8685.1
45°	11566.7	11553.8	11596.9	11349.7	11086.7	10846.7	10365.2	10192.7	10155.4	10360.9	9888.1
47.5°	12439.1	12470.7	12604.4	12499.5	12393.1	12181.9	11654.4	11576.8	11599.8	11848.4	11157.1
50°	13166.3	13203.7	13570.2	13690.9	13844.7	13721.1	13192.2	13144.8	13235.3	13459.5	12522.5
52.5°	13692.4	13768.5	14224.1	14780.3	15340.9	15424.2	14896.8	14853.6	14975.8	15010.3	13577.4
55°	14057.4	14125.0	14640.9	15658.5	16799.6	17158.9	16831.3	16664.5	16641.5	16300.9	14686.9
57.5°	14122.1	14114.9	14856.5	16226.2	17943.7	18870.7	18663.7	18499.9	18028.5	17493.8	15958.9
60°	13757.0	13798.7	14659.6	16423.1	18662.3	20165.6	20181.4	19968.7	19234.3	18653.6	17192.0
62.5°	12633.1	12802.7	13672.2	15907.1	18653.6	20687.3	21293.8	21131.4	20253.3	19603.6	18442.4
65°	10810.7	10871.1	11700.4	14139.3	17393.2	20468.9	22295.6	22235.2	21171.6	20526.3	19084.8
67.5°	7894.6	7763.8	8634.8	11134.1	14725.7	19195.5	23014.2	23090.3	21880.2	20716.1	18400.7
68°	7204.8	7243.6	7921.9	10391.1	14027.2	18745.6	23061.6	23178.0	21950.6	20592.5	18027.0
70°	4294.4	4369.1	4974.2	7154.5	10671.3	16200.3	22549.9	22815.8	21531.0	19317.6	15592.4
72.5°	1096.6	1185.7	1757.7	3202.1	6095.2	11414.4	19035.9	19485.8	18693.9	15671.4	10526.2
75°	451.3	474.3	628.1	1054.9	2270.8	5142.4	12546.9	13509.8	12959.4	9382.2	4757.2
77.5°	311.9	327.7	403.9	584.9	983.1	1743.3	6151.3	6846.9	6168.5	3202.1	1037.7
80°	224.2	237.1	288.9	389.5	564.8	622.3	2004.9	2318.2	1841.1	702.8	257.3
82.5°	133.7	143.7	215.6	277.4	343.5	297.5	498.7	566.3	533.2	349.2	115.0
85°	66.1	77.6	145.2	198.3	185.4	125.0	152.3	169.6	209.8	212.7	61.8
87.5°	4.3	8.6	84.8	119.3	51.7	28.7	44.6	54.6	74.7	104.9	25.9
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: P322202
 CATALOG NUMBER: GAN-SA8B-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7	3611.7
2.5°	3621.8	3623.2	3613.2	3608.9	3611.7	3594.5	3587.3	3590.2	3590.2	3594.5	3587.3
5°	3657.7	3657.7	3640.5	3617.5	3604.5	3571.5	3549.9	3544.2	3539.9	3537.0	3531.2
7.5°	3735.3	3726.7	3696.5	3646.2	3603.1	3531.2	3476.6	3447.9	3433.5	3427.8	3423.5
10°	3860.4	3844.6	3794.3	3700.8	3601.7	3473.8	3354.5	3269.7	3199.2	3170.5	3153.3
12.5°	4028.5	4005.5	3920.7	3765.5	3591.6	3355.9	3097.2	2848.6	2617.2	2522.3	2474.9
15°	4222.5	4189.5	4055.8	3820.1	3532.7	3090.0	2528.1	2092.6	1772.1	1651.4	1599.6
17.5°	4419.4	4376.3	4173.7	3854.6	3355.9	2539.6	1773.5	1339.5	1125.3	1067.9	1047.7
20°	4617.8	4554.5	4275.7	3828.7	2956.4	1831.0	1169.9	978.7	916.9	899.7	893.9
22.5°	4806.1	4708.3	4367.7	3728.1	2341.2	1228.8	925.6	865.2	845.1	835.0	832.1
25°	4969.9	4833.4	4448.2	3417.7	1657.1	928.4	833.6	813.5	787.6	768.9	770.3
27.5°	5123.7	4958.4	4497.1	2906.1	1105.2	793.3	771.8	744.5	697.1	669.7	669.7
30°	5309.1	5125.1	4533.0	2236.3	813.5	701.4	684.1	642.4	577.8	541.8	541.8
32.5°	5587.9	5378.1	4510.0	1569.4	674.1	616.6	576.3	518.8	448.4	413.9	412.5
35°	6014.8	5769.0	4346.1	1029.0	595.0	536.1	471.4	401.0	339.2	310.4	309.0
37.5°	6589.6	6292.1	3978.2	735.9	533.2	461.3	383.7	306.1	260.1	241.5	240.0
40°	7335.6	6900.1	3452.2	596.4	475.7	389.5	296.1	237.1	205.5	191.1	192.6
42.5°	8230.9	7551.1	2821.3	514.5	419.7	320.5	231.4	186.8	166.7	156.7	153.8
45°	9225.5	8193.6	2160.1	458.5	363.6	258.7	181.1	148.0	132.2	126.5	126.5
47.5°	10319.2	8818.8	1580.9	409.6	303.3	199.8	145.2	120.7	107.8	103.5	102.0
50°	11312.3	9252.8	1139.7	357.9	248.6	158.1	117.9	100.6	92.0	86.2	86.2
52.5°	12140.2	9389.3	839.3	301.8	201.2	126.5	97.7	86.2	77.6	73.3	73.3
55°	12868.8	9333.3	623.8	248.6	162.4	103.5	83.4	73.3	66.1	61.8	61.8
57.5°	13567.3	9152.2	465.7	202.6	130.8	83.4	70.4	61.8	54.6	51.7	51.7
60°	14137.9	8850.4	346.4	163.8	104.9	67.5	58.9	50.3	44.6	40.2	40.2
62.5°	14600.7	8517.0	254.4	135.1	83.4	53.2	46.0	41.7	33.1	28.7	28.7
65°	14603.6	7963.6	191.1	112.1	64.7	41.7	34.5	33.1	21.6	17.2	15.8
67.5°	13547.2	6865.6	146.6	96.3	50.3	31.6	25.9	27.3	11.5	7.2	5.7
68°	13163.5	6586.8	138.0	94.9	47.4	30.2	24.4	27.3	10.1	5.7	4.3
70°	11098.2	5240.1	110.7	92.0	41.7	23.0	20.1	27.3	8.6	4.3	2.9
72.5°	7098.4	3041.2	81.9	73.3	31.6	17.2	12.9	24.4	8.6	2.9	1.4
75°	3021.0	942.8	56.1	51.7	18.7	12.9	8.6	15.8	5.7	1.4	0.0
77.5°	636.7	212.7	33.1	31.6	12.9	8.6	5.7	4.3	1.4	0.0	0.0
80°	163.8	61.8	17.2	15.8	7.2	4.3	2.9	0.0	0.0	0.0	0.0
82.5°	51.7	24.4	10.1	7.2	2.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.9	14.4	5.7	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.4	4.3	1.4	0.0	0.0	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)