

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: P321563

Luminaire Tested: **GAN-SA9B-730-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-730-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35783 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

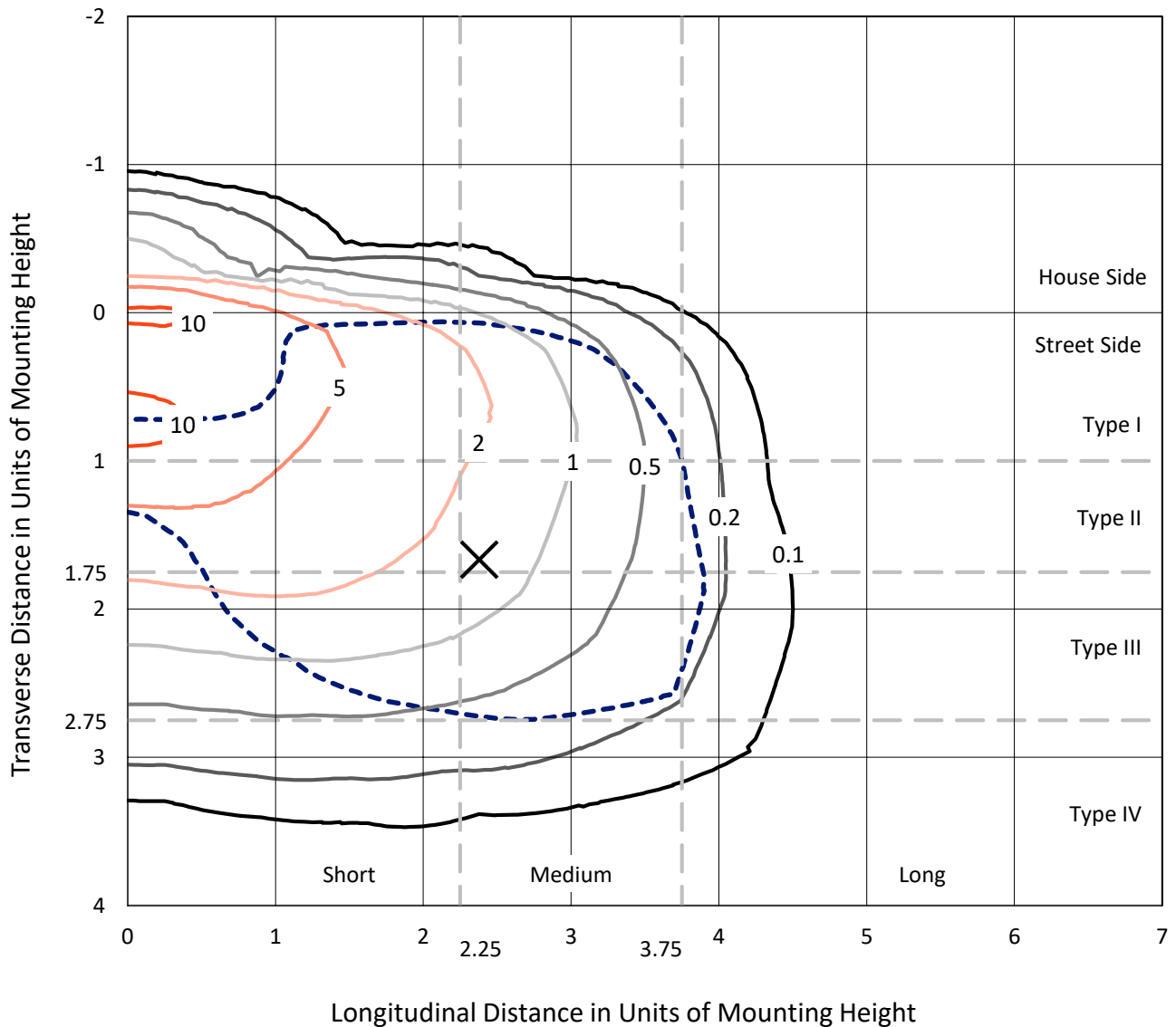
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321563
 CATALOG NUMBER: GAN-SA9B-730-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

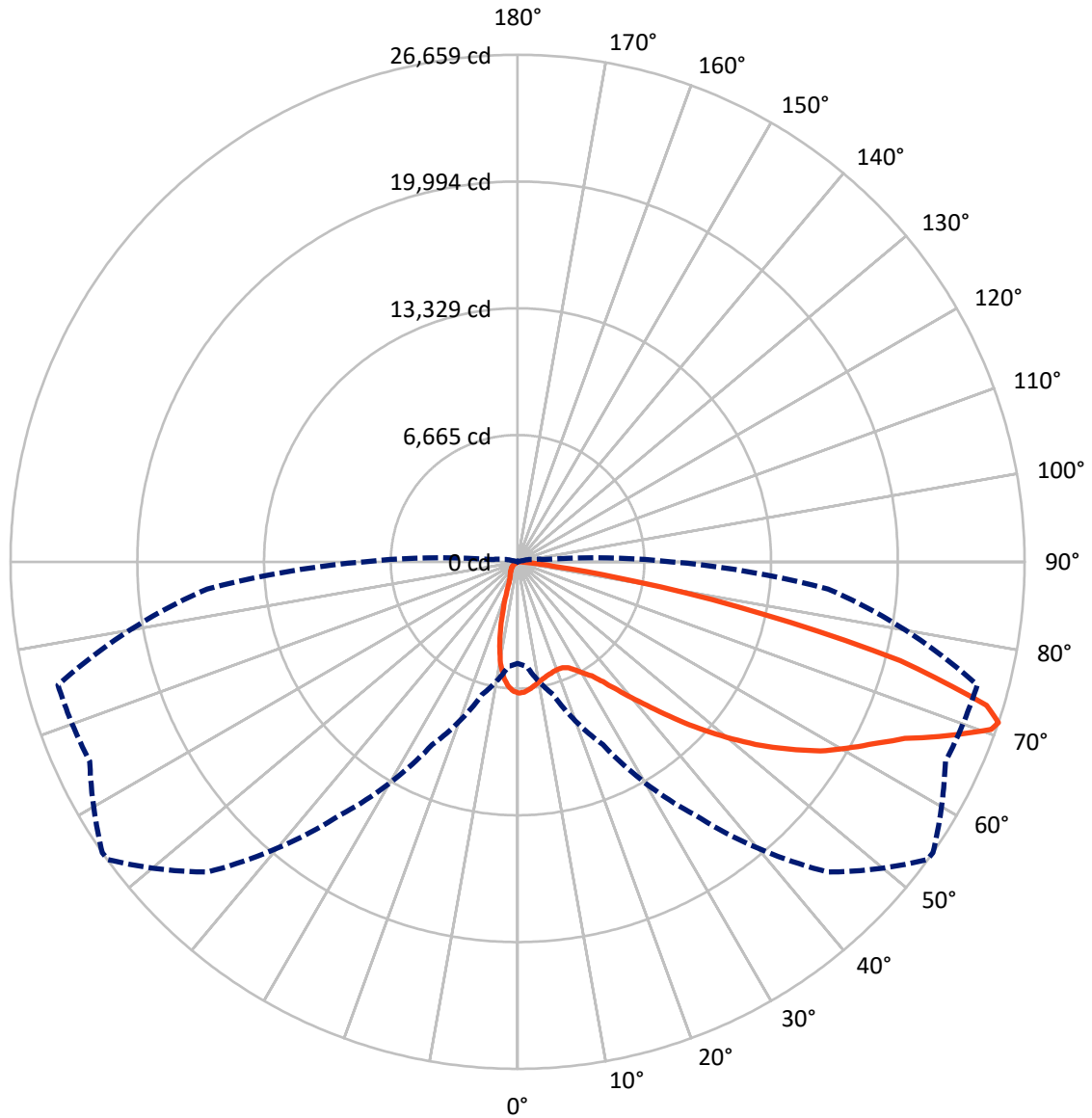
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P321563
CATALOG NUMBER: GAN-SA9B-730-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P321563
 CATALOG NUMBER: GAN-SA9B-730-U-T3R-HSS

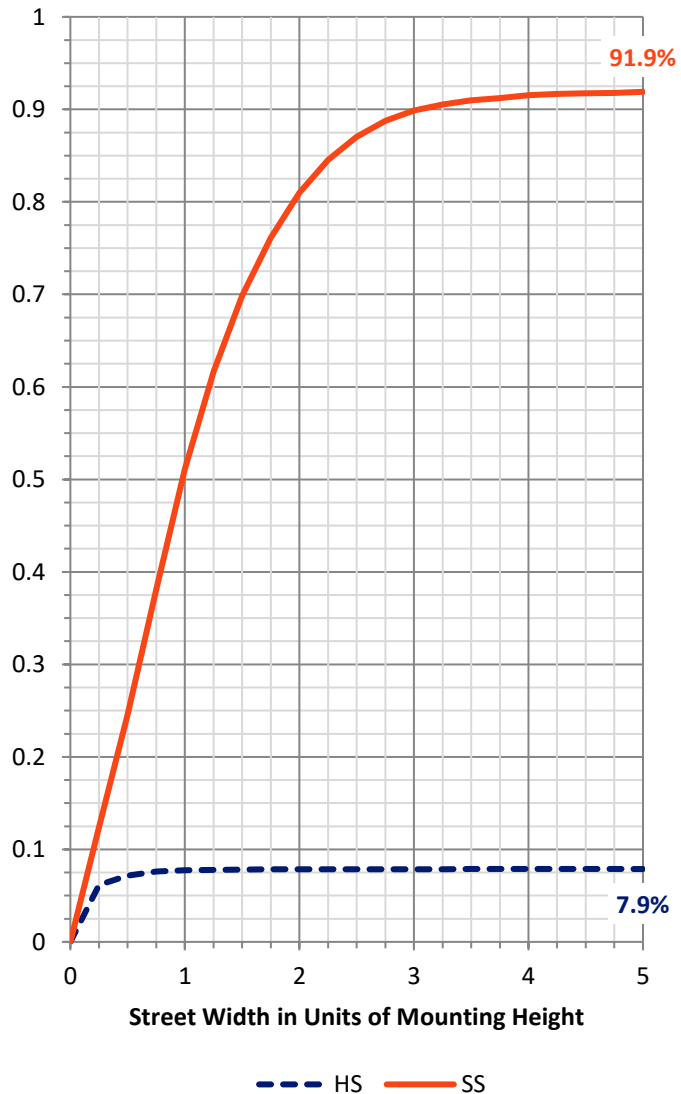
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2833.0	0.0	2833.0
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	32950.0	0.0	32950.0
	% Fixture	92.1	0.0	92.1
Total	Lumens	35783.0	0.0	35783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.4	1.6
10°-20°	1328.3	3.7
20°-30°	2134.7	6.0
30°-40°	3626.9	10.1
40°-50°	5629.5	15.7
50°-60°	7568.7	21.2
60°-70°	9259.0	25.9
70°-80°	5413.5	15.1
80°-90°	234.0	0.7
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°	35783.0	100.0
0°-180°	35783.0	100.0

Coefficient of Utilization

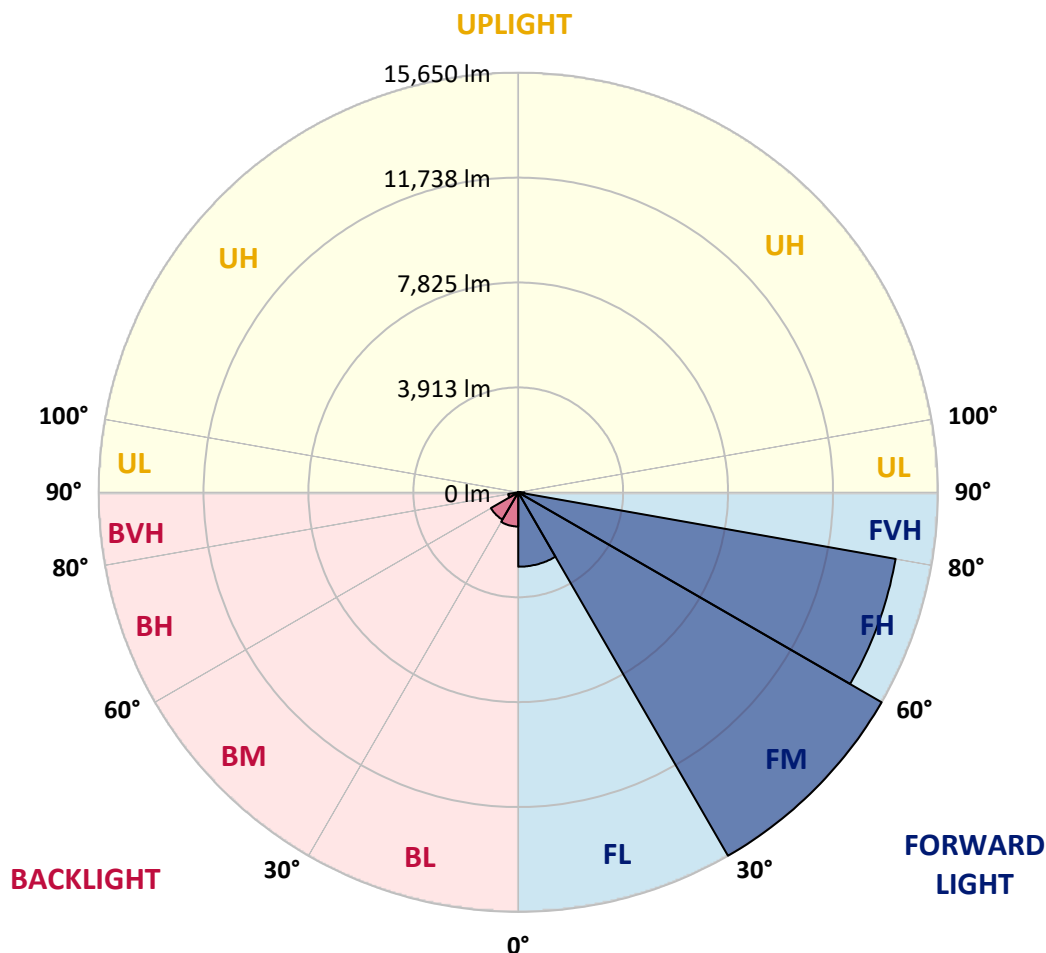


REPORT NUMBER: P321563
 CATALOG NUMBER: GAN-SA9B-730-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2776.3	7.8			
FM (30°-60°)	15650.4	43.7			
FH (60°-80°)	14292.9	39.9			G5
FVH (80°-90°)	230.3	0.6			G3/500
BL (0°-30°)	1275.2	3.6	B3/2500		
BM (30°-60°)	1174.6	3.3	B2/2500		
BH (60°-80°)	379.6	1.1	B1/500		G1/500
BVH (80°-90°)	3.7	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-G5
 Type III Medium





REPORT NUMBER: P321563

CATALOG NUMBER: GAN-SA9B-730-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9
2.5°	6698.4	6706.5	6735.4	6748.2	6778.8	6830.2	6855.9	6857.5	6899.3	6915.3	6928.2
5°	6224.4	6272.7	6320.9	6372.3	6465.5	6589.2	6711.3	6722.5	6857.5	6957.1	7010.1
7.5°	5816.3	5859.7	5917.6	5999.5	6131.3	6325.7	6529.7	6553.8	6809.3	7035.8	7154.7
10°	5397.0	5432.3	5515.9	5636.4	5817.9	6078.2	6353.0	6393.2	6765.9	7141.9	7350.8
12.5°	4948.7	4969.6	5070.8	5244.3	5511.1	5842.0	6203.6	6256.6	6738.6	7264.0	7582.1
15°	4608.1	4617.7	4714.1	4894.1	5199.4	5630.0	6087.9	6152.1	6745.0	7410.2	7834.4
17.5°	4521.3	4526.1	4577.6	4701.3	4971.2	5440.4	5996.3	6075.0	6764.3	7553.2	8088.2
20°	4873.2	4839.5	4786.4	4767.2	4882.8	5326.3	5941.7	6030.0	6790.0	7680.1	8316.4
22.5°	5838.8	5739.2	5519.1	5225.1	5046.7	5334.3	5956.1	6044.5	6872.0	7836.0	8579.9
25°	7272.0	7133.9	6759.5	6181.1	5625.1	5565.7	6076.6	6166.6	7031.0	8022.4	8832.2
27.5°	8902.9	8766.3	8308.4	7482.5	6534.5	6023.6	6353.0	6436.5	7267.2	8187.9	9025.0
30°	10464.6	10426.0	9886.2	8947.8	7678.5	6765.9	6709.7	6780.4	7442.3	8287.5	9177.6
32.5°	11788.5	11727.5	11293.7	10381.0	8988.0	7657.6	7129.0	7149.9	7574.1	8416.0	9376.8
35°	13016.1	12940.6	12559.8	11697.0	10331.2	8747.0	7774.9	7744.4	7861.7	8674.7	9666.1
37.5°	14087.8	14156.8	13734.3	12913.2	11536.3	9879.7	8645.8	8554.2	8311.6	9095.7	10085.4
40°	14984.3	14984.3	14764.2	14079.7	12837.7	11051.0	9630.7	9510.2	8988.0	9744.8	10617.2
42.5°	15307.3	15376.3	15458.3	15071.1	14002.6	12268.9	10728.1	10602.8	9940.8	10665.4	11288.8
45°	15326.5	15435.8	15855.2	15853.5	15055.0	13478.8	11965.3	11905.8	11161.9	11848.0	12121.1
47.5°	15055.0	15191.6	15882.5	16274.5	15888.9	14605.1	13318.1	13244.2	12596.7	13297.2	12992.0
50°	14635.6	14786.7	15590.0	16440.0	16456.1	15585.2	14743.3	14632.4	14176.1	14953.8	13891.7
52.5°	13885.3	14177.7	15328.1	16478.6	16828.8	16432.0	16099.4	16051.2	15943.5	16549.3	14608.3
55°	12280.2	12604.8	14671.0	16491.4	17174.3	17182.3	17370.3	17383.1	17600.1	18040.3	15141.8
57.5°	11521.8	11705.0	13523.8	16552.5	17686.8	18033.9	18665.3	18764.9	19100.7	19455.8	15750.7
60°	11044.6	11261.5	12958.2	16468.9	18491.8	19150.5	19865.5	19899.3	20259.2	20916.3	16575.0
62.5°	10663.8	10877.5	12601.5	16147.6	19396.4	20493.8	21038.4	21041.7	21311.6	22656.4	17511.7
65°	9723.9	9903.8	11880.1	15786.1	19994.1	21822.5	22400.9	22380.1	22600.2	24491.3	18599.4
67.5°	8364.6	8502.8	10406.8	14415.5	19769.1	23030.8	24457.6	24388.5	24121.7	26077.1	19026.8
70°	6467.1	6516.9	8202.3	12013.5	17661.1	23495.1	26445.1	26409.7	25055.3	25792.7	17460.3
71°	5345.6	5509.5	7228.7	10602.8	16248.8	23066.1	26637.9	26658.8	24820.7	25018.3	16382.2
72.5°	3104.2	3244.0	5239.5	8142.9	13795.3	21276.2	25638.5	25789.5	23724.9	22756.0	13993.0
75°	665.2	711.8	1942.5	3941.3	7588.6	14912.0	20236.7	20774.9	19336.9	15480.8	8433.7
77.5°	462.7	499.7	832.3	1788.3	2508.1	7368.4	12571.0	13178.4	11552.3	5817.9	2699.3
80°	366.3	408.1	649.1	883.7	678.0	2376.3	5888.6	6259.8	3852.9	1298.2	454.7
82.5°	204.1	242.6	506.1	477.2	260.3	451.5	1648.5	1863.8	771.2	261.9	107.7
85°	59.4	72.3	326.2	347.1	110.9	86.8	281.2	348.7	146.2	69.1	48.2
87.5°	0.0	0.0	157.5	133.4	32.1	12.9	25.7	28.9	28.9	28.9	32.1
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: P321563
 CATALOG NUMBER: GAN-SA9B-730-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9	6900.9
2.5°	6928.2	6939.4	6899.3	6846.3	6790.0	6720.9	6648.6	6592.4	6590.8	6563.5	6536.2
5°	7013.4	7006.9	6896.1	6727.4	6528.1	6320.9	6123.2	5899.9	5826.0	5734.4	5703.9
7.5°	7170.8	7125.8	6891.2	6521.7	6084.7	5650.8	5202.6	4751.1	4558.3	4384.8	4354.2
10°	7368.4	7283.3	6860.7	6213.2	5411.4	4611.3	3934.9	3321.1	3051.2	2843.9	2834.3
12.5°	7574.1	7444.0	6775.6	5747.3	4529.4	3404.6	2625.4	2021.3	1796.3	1651.7	1664.6
15°	7789.4	7595.0	6592.4	5119.0	3525.2	2310.5	1613.2	1258.1	1168.1	1131.1	1140.8
17.5°	8009.5	7699.4	6336.9	4362.3	2533.8	1491.0	1116.7	1017.1	1017.1	1025.1	1028.3
20°	8200.7	7755.7	5960.9	3513.9	1717.6	1086.1	976.9	962.4	970.5	983.3	984.9
22.5°	8390.3	7758.9	5470.9	2654.3	1201.8	951.2	930.3	923.9	928.7	943.1	944.8
25°	8544.6	7720.3	4857.1	1887.9	959.2	896.6	886.9	883.7	886.9	904.6	904.6
27.5°	8607.2	7580.5	4108.4	1327.2	859.6	835.5	832.3	835.5	840.3	853.2	854.8
30°	8613.6	7336.3	3292.2	960.8	779.3	753.6	760.0	771.2	766.4	763.2	766.4
32.5°	8629.7	7053.5	2496.8	790.5	711.8	671.6	663.6	663.6	644.3	633.0	626.6
35°	8682.7	6720.9	1810.8	710.2	642.7	596.1	565.6	530.2	493.3	474.0	469.2
37.5°	8766.3	6372.3	1296.6	657.2	581.6	528.6	470.8	408.1	355.1	340.6	340.6
40°	8918.9	6012.4	959.2	615.4	533.4	467.6	380.8	298.9	250.6	242.6	242.6
42.5°	9159.9	5633.2	764.8	578.4	491.7	404.9	290.8	216.9	181.6	176.7	175.1
45°	9410.6	5215.4	668.4	543.1	446.7	332.6	215.3	160.7	139.8	135.0	135.0
47.5°	9661.2	4770.4	621.8	509.3	403.3	258.7	160.7	126.9	117.3	117.3	118.9
50°	9873.3	4306.0	588.1	472.4	347.1	196.0	126.9	107.7	104.4	110.9	112.5
52.5°	9926.3	3849.7	546.3	425.8	278.0	149.4	104.4	94.8	94.8	94.8	94.8
55°	9894.2	3496.2	491.7	367.9	205.7	118.9	90.0	83.5	81.9	81.9	81.9
57.5°	10003.5	3287.4	393.6	286.0	147.8	96.4	78.7	73.9	70.7	69.1	69.1
60°	10223.6	3150.8	281.2	205.7	110.9	80.3	67.5	62.7	57.8	54.6	54.6
62.5°	10516.0	3031.9	208.9	152.6	85.2	64.3	56.2	51.4	45.0	41.8	41.8
65°	10741.0	2819.8	159.1	114.1	64.3	51.4	43.4	41.8	32.1	28.9	27.3
67.5°	10397.1	2353.9	128.5	83.5	48.2	40.2	33.7	32.1	19.3	16.1	16.1
70°	8917.3	1638.9	102.8	61.1	35.3	32.1	27.3	20.9	14.5	12.9	12.9
71°	8086.6	1368.9	93.2	51.4	30.5	30.5	25.7	17.7	12.9	11.2	11.2
72.5°	6717.7	972.1	78.7	40.2	27.3	32.1	27.3	16.1	12.9	11.2	9.6
75°	3899.5	406.5	54.6	27.3	20.9	38.6	35.3	14.5	9.6	8.0	8.0
77.5°	1172.9	149.4	30.5	17.7	16.1	33.7	40.2	12.9	4.8	1.6	1.6
80°	213.7	64.3	19.3	11.2	11.2	20.9	30.5	6.4	0.0	0.0	0.0
82.5°	75.5	32.1	11.2	6.4	4.8	9.6	14.5	0.0	0.0	0.0	0.0
85°	43.4	22.5	6.4	3.2	0.0	1.6	3.2	0.0	0.0	0.0	0.0
87.5°	28.9	6.4	0.0	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)