

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: P321884

Luminaire Tested: **GAN-SA0B-730-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321884
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36646 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G5

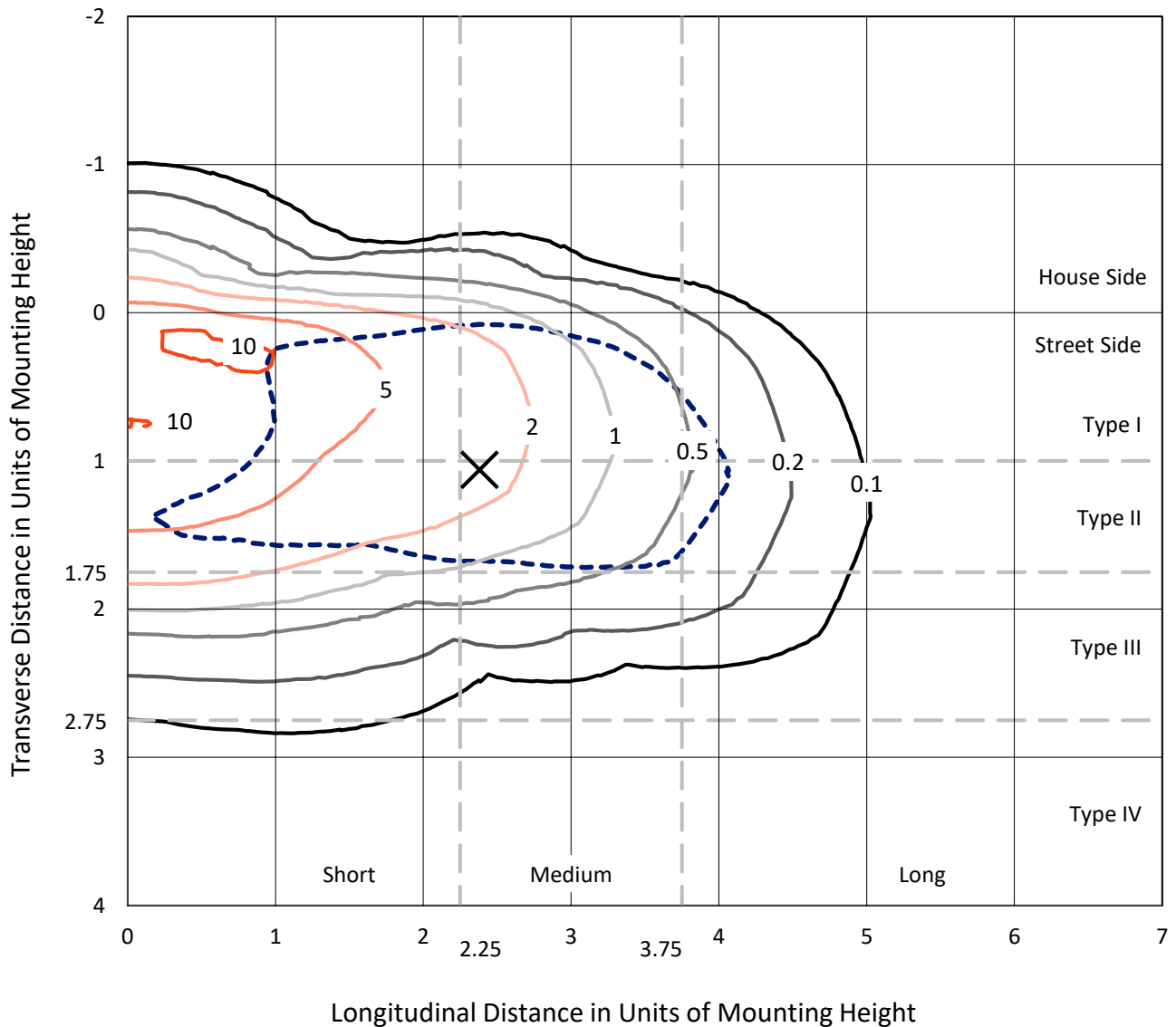
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321884
 CATALOG NUMBER: GAN-SA0B-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

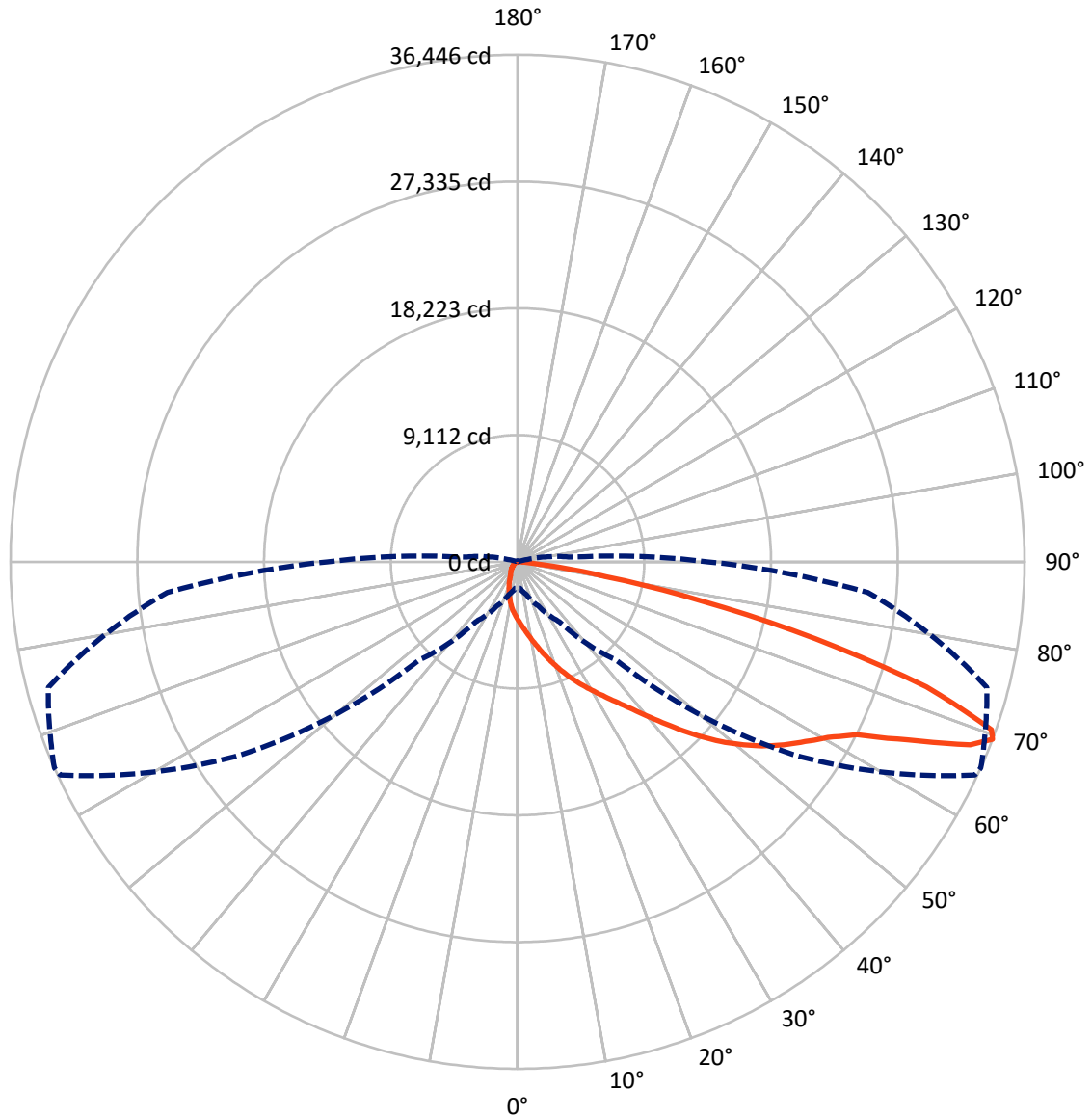
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type II - Medium - N/A

REPORT NUMBER: P321884
CATALOG NUMBER: GAN-SA0B-730-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P321884
 CATALOG NUMBER: GAN-SA0B-730-U-T2-HSS

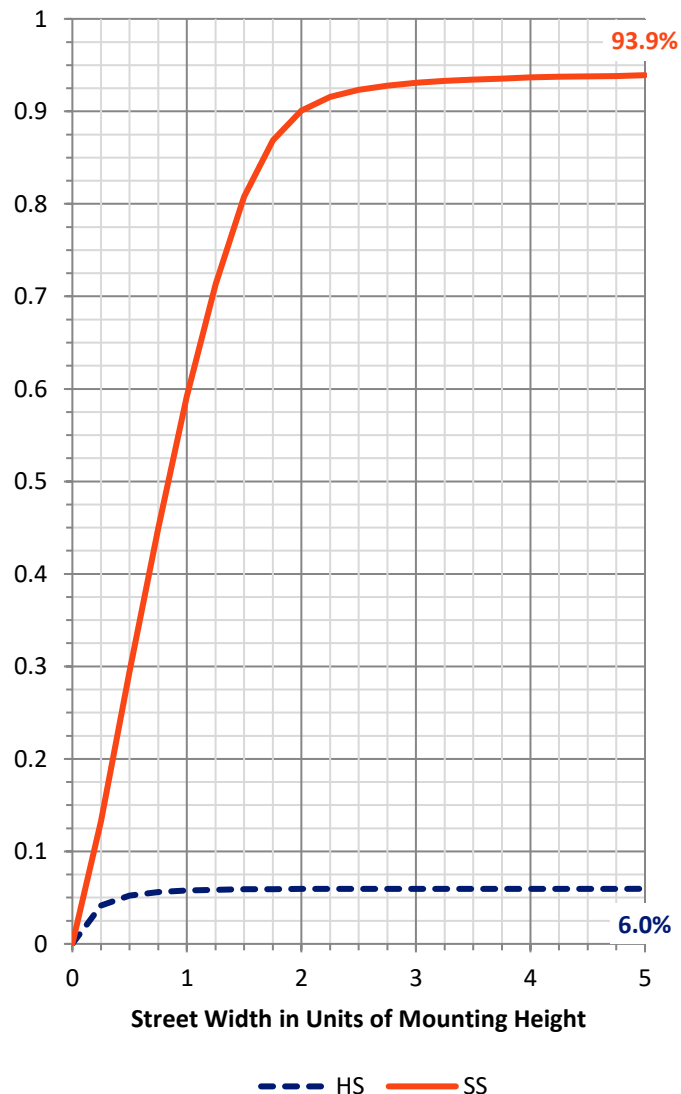
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2198.2	0.0	2198.2
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	34447.8	0.0	34447.8
	% Fixture	94.0	0.0	94.0
Total	Lumens	36646.0	0.0	36646.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.1	1.1
10°-20°	1199.8	3.3
20°-30°	2089.3	5.7
30°-40°	3665.6	10.0
40°-50°	6135.7	16.7
50°-60°	9018.8	24.6
60°-70°	9260.1	25.3
70°-80°	4571.4	12.5
80°-90°	302.3	0.8
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°	36646.0	100.0
0°-180°	36646.0	100.0

Coefficient of Utilization



REPORT NUMBER: P321884

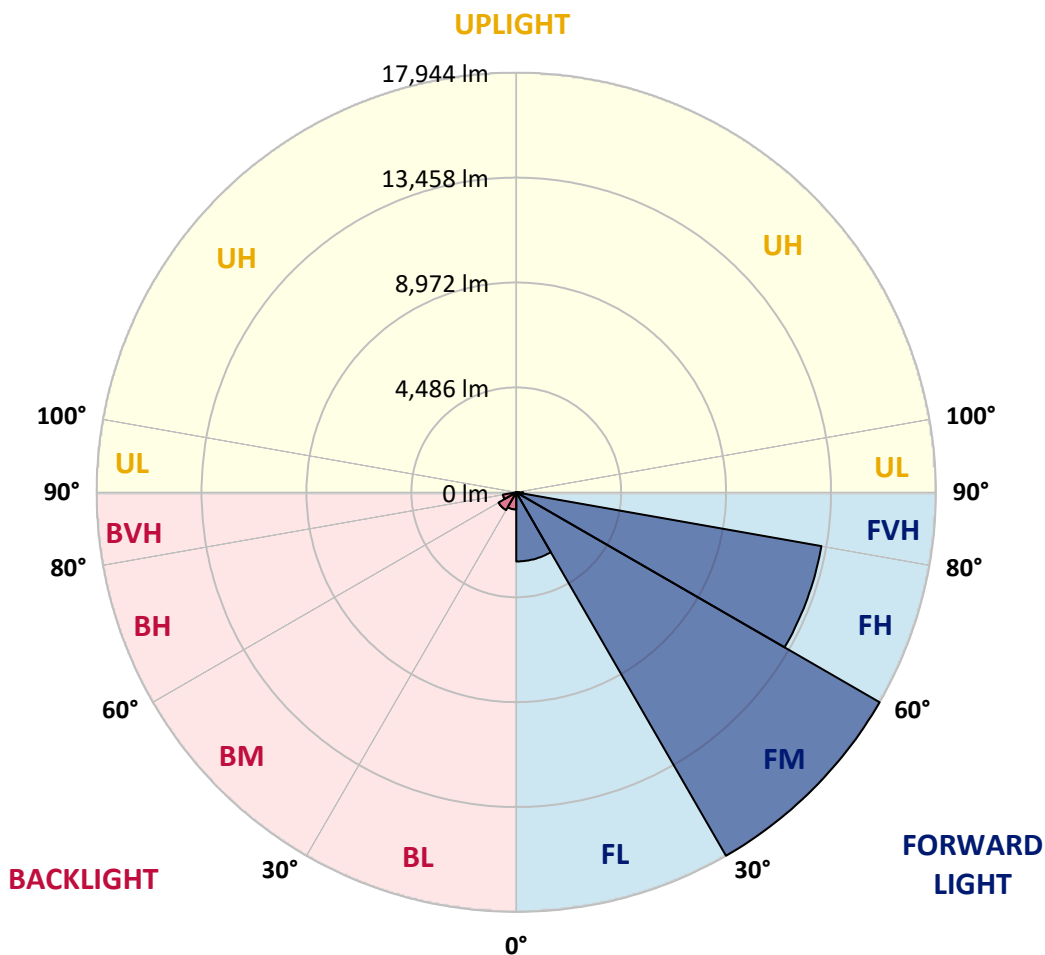
CATALOG NUMBER: GAN-SA0B-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2957.0	8.1			
FM (30°-60°)	17943.6	49.0			
FH (60°-80°)	13252.2	36.2			G5
FVH (80°-90°)	295.0	0.8			G3/500
BL (0°-30°)	735.2	2.0	B2/1000		
BM (30°-60°)	876.4	2.4	B1/1000		
BH (60°-80°)	579.3	1.6	B2/1000		G2/1000
BVH (80°-90°)	7.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type II Medium





REPORT NUMBER: P321884
 CATALOG NUMBER: GAN-SA0B-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4
2.5°	4908.4	4887.6	4878.8	4840.6	4774.4	4723.9	4626.5	4513.3	4492.4	4382.8	4248.8
5°	5545.5	5528.1	5515.9	5461.9	5394.1	5267.0	5089.5	4878.8	4838.8	4629.9	4361.9
7.5°	5989.3	6020.7	6020.7	5985.9	5900.6	5804.8	5587.3	5300.1	5249.6	4929.3	4513.3
10°	6248.7	6287.0	6316.6	6346.2	6334.0	6295.7	6090.3	5766.5	5705.6	5280.9	4689.1
12.5°	6273.1	6311.3	6394.9	6518.5	6638.6	6725.6	6596.8	6283.5	6213.9	5688.2	4898.0
15°	6137.3	6177.3	6306.1	6546.3	6837.0	7091.1	7132.9	6856.1	6784.8	6173.8	5159.1
17.5°	5900.6	5926.7	6111.2	6443.6	6899.7	7366.1	7618.5	7470.6	7404.4	6729.1	5449.8
20°	5724.8	5743.9	5905.8	6262.6	6861.4	7538.5	8078.0	8123.3	8053.7	7324.4	5764.8
22.5°	6025.9	6060.7	6065.9	6234.8	6756.9	7623.7	8481.9	8765.6	8713.3	7956.2	6074.6
25°	6849.2	6889.2	6756.9	6652.5	6845.7	7662.0	8828.2	9423.5	9381.7	8636.8	6386.2
27.5°	7937.1	7978.8	7808.2	7496.7	7310.4	7806.5	9136.3	10091.9	10090.1	9357.4	6722.1
30°	9005.8	9047.5	8873.5	8561.9	8133.7	8215.5	9402.6	10791.6	10802.0	10100.6	7078.9
32.5°	10126.7	10178.9	9999.6	9599.3	9152.0	8922.2	9776.8	11494.8	11554.0	10962.2	7481.0
35°	11400.8	11407.8	11155.4	10735.9	10220.7	9867.4	10377.3	12283.3	12424.3	12029.2	7991.0
37.5°	12650.5	12701.0	12493.9	11832.5	11359.0	10958.7	11270.3	13268.5	13468.6	13332.9	8657.7
40°	13576.5	13682.7	13653.1	12939.5	12490.4	12205.0	12379.0	14439.9	14694.0	14850.6	9498.4
42.5°	14157.9	14238.0	14373.7	13943.8	13536.5	13583.5	13687.9	15804.5	16117.8	16580.8	10464.4
45°	14824.5	14862.8	14976.0	14786.2	14511.2	14984.7	15076.9	17341.4	17670.4	18441.5	11536.6
47.5°	15639.1	15729.6	15761.0	15586.9	15461.6	16224.0	16415.4	18739.1	19200.4	20434.4	12671.4
50°	16676.5	16700.9	16754.8	16641.7	16516.4	17289.2	17616.4	20206.4	20625.9	22434.4	13790.6
52.5°	17691.3	17778.3	17966.3	17894.9	17844.4	18196.0	18686.9	21529.2	21997.5	24101.8	14908.1
55°	17983.7	18058.5	18707.8	19151.6	19562.4	19313.5	19710.3	22714.6	23221.1	25591.8	15983.8
57.5°	16815.8	16967.2	18091.6	19247.3	20951.4	21050.6	21116.7	23931.3	24385.5	26733.6	17103.0
60°	13863.7	13893.3	15738.3	17720.9	20721.6	22566.6	23170.6	25238.4	25619.6	27797.1	18443.2
62.5°	8817.8	9118.9	11143.2	13942.1	18291.8	22347.3	25654.4	27215.7	27355.0	29072.9	20364.8
65°	4200.0	4395.0	5853.6	8614.1	13249.3	19539.8	27368.9	30792.6	30855.3	31602.0	22932.2
67.5°	2325.4	2419.4	3113.9	4636.9	7745.6	13818.5	26676.1	35029.2	35088.4	34185.0	25184.5
69°	1818.9	1899.0	2445.5	3495.1	5251.3	9931.8	24140.1	36270.2	36446.0	34924.8	25264.5
70°	1543.9	1622.2	2106.1	2952.0	4222.6	7674.2	21487.5	35962.1	36148.4	34855.1	24667.5
72.5°	945.1	990.4	1402.9	2078.3	2830.2	3860.6	13251.0	30413.2	30728.2	31972.7	21200.3
75°	637.1	661.4	877.3	1434.2	2024.3	1987.7	6884.0	21437.0	22119.3	24871.2	15658.3
77.5°	456.0	478.7	588.3	927.7	1418.6	1312.4	3117.4	13322.4	13468.6	14916.8	8539.3
80°	259.3	280.2	416.0	551.8	962.5	875.5	1239.3	6363.6	6436.7	6396.6	2851.1
82.5°	135.8	153.2	228.0	363.8	617.9	572.7	515.2	2130.5	2140.9	1780.6	624.9
85°	26.1	31.3	113.1	248.9	318.5	248.9	210.6	499.5	510.0	450.8	154.9
87.5°	0.0	1.7	45.3	55.7	62.7	64.4	67.9	97.5	104.4	141.0	41.8
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: P321884
 CATALOG NUMBER: GAN-SA0B-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4	4170.4
2.5°	4189.6	4126.9	4006.8	3867.6	3759.7	3653.5	3569.9	3482.9	3451.6	3435.9	3434.2
5°	4231.4	4099.1	3844.9	3583.9	3369.8	3167.9	3023.4	2885.9	2821.5	2791.9	2779.7
7.5°	4301.0	4088.6	3679.6	3281.0	2972.9	2720.5	2520.4	2370.7	2295.8	2264.5	2252.3
10°	4382.8	4074.7	3486.4	2960.7	2567.4	2306.3	2107.8	1959.9	1878.1	1843.3	1825.9
12.5°	4478.5	4050.3	3263.6	2637.0	2221.0	1959.9	1719.7	1536.9	1442.9	1402.9	1383.8
15°	4596.9	4026.0	3030.4	2332.4	1916.4	1597.9	1335.0	1211.4	1192.3	1185.3	1187.1
17.5°	4713.5	3987.7	2776.2	2031.3	1596.1	1248.0	1114.0	1107.0	1110.5	1110.5	1110.5
20°	4817.9	3900.6	2499.5	1773.7	1291.5	1053.1	1025.2	1013.0	1004.3	997.4	988.7
22.5°	4899.7	3784.0	2233.2	1517.8	1054.8	964.3	920.8	882.5	851.1	830.3	819.8
25°	4955.4	3629.1	1989.5	1272.4	948.6	877.3	798.9	734.5	685.8	656.2	644.0
27.5°	4997.2	3462.0	1771.9	1065.2	875.5	776.3	673.6	597.0	546.5	520.4	510.0
30°	5026.8	3272.3	1580.4	936.4	793.7	670.1	560.5	485.6	449.1	435.1	428.2
32.5°	5054.6	3061.7	1399.4	875.5	717.1	572.7	470.0	412.5	389.9	372.5	367.3
35°	5124.3	2866.7	1227.1	811.1	638.8	489.1	403.8	362.0	339.4	329.0	325.5
37.5°	5289.6	2722.3	1061.8	745.0	560.5	423.0	353.3	323.7	302.9	292.4	288.9
40°	5555.9	2649.2	922.5	673.6	483.9	372.5	320.3	292.4	269.8	254.1	250.6
42.5°	5947.6	2659.6	825.0	602.2	423.0	332.5	288.9	255.9	231.5	217.6	214.1
45°	6422.7	2736.2	757.2	532.6	372.5	301.1	254.1	219.3	196.7	184.5	181.0
47.5°	6938.0	2859.8	701.5	470.0	332.5	271.5	219.3	182.8	163.6	153.2	151.4
50°	7481.0	2979.9	644.0	409.0	297.6	241.9	184.5	151.4	135.8	127.1	123.6
52.5°	8031.0	3119.1	591.8	353.3	268.0	207.1	153.2	123.6	111.4	104.4	101.0
55°	8622.8	3223.6	541.3	309.8	238.5	175.8	127.1	102.7	92.3	83.5	81.8
57.5°	9319.1	3385.4	489.1	268.0	203.6	146.2	104.4	81.8	73.1	64.4	62.7
60°	10259.0	3575.2	433.4	236.7	167.1	120.1	85.3	66.1	55.7	48.7	47.0
62.5°	11498.3	3785.8	363.8	207.1	135.8	97.5	67.9	52.2	40.0	31.3	31.3
65°	13070.0	4128.7	297.6	174.1	111.4	80.1	52.2	38.3	22.6	13.9	13.9
67.5°	13987.3	4187.8	240.2	142.7	90.5	67.9	43.5	26.1	7.0	1.7	0.0
69°	13693.2	3844.9	203.6	121.8	78.3	64.4	40.0	19.1	3.5	0.0	0.0
70°	13139.6	3516.0	179.3	107.9	71.4	60.9	38.3	13.9	3.5	0.0	0.0
72.5°	10857.7	2503.0	135.8	80.1	52.2	54.0	34.8	8.7	3.5	0.0	0.0
75°	7909.2	1521.3	97.5	55.7	33.1	40.0	24.4	3.5	1.7	0.0	0.0
77.5°	4400.2	717.1	60.9	31.3	20.9	24.4	12.2	0.0	0.0	0.0	0.0
80°	1429.0	194.9	27.8	17.4	12.2	13.9	5.2	0.0	0.0	0.0	0.0
82.5°	264.6	55.7	15.7	8.7	3.5	3.5	0.0	0.0	0.0	0.0	0.0
85°	57.4	22.6	8.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.1	7.0	1.7	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)