

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: P323162

Luminaire Tested: **GAN-SA8B-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34547 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

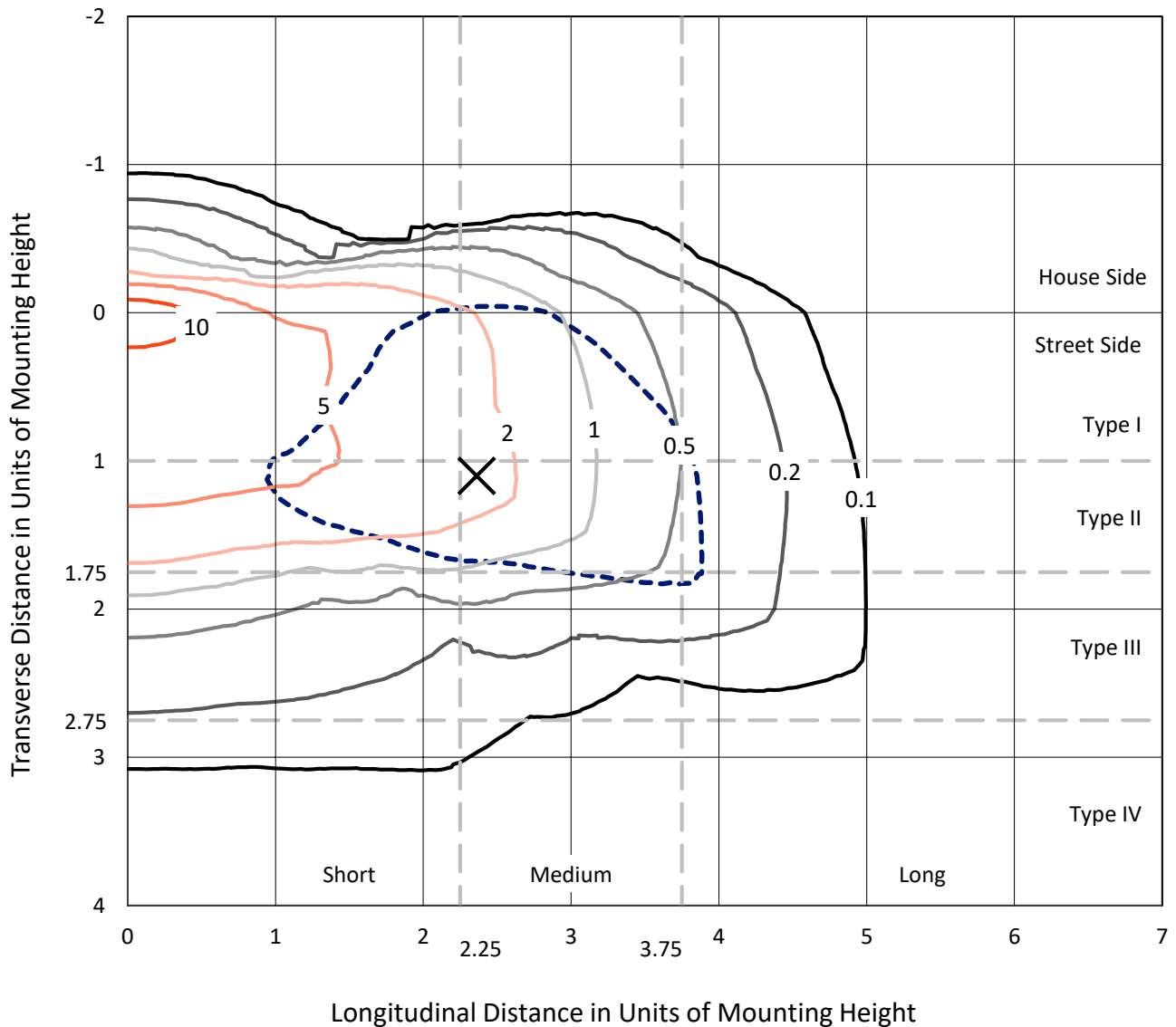
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

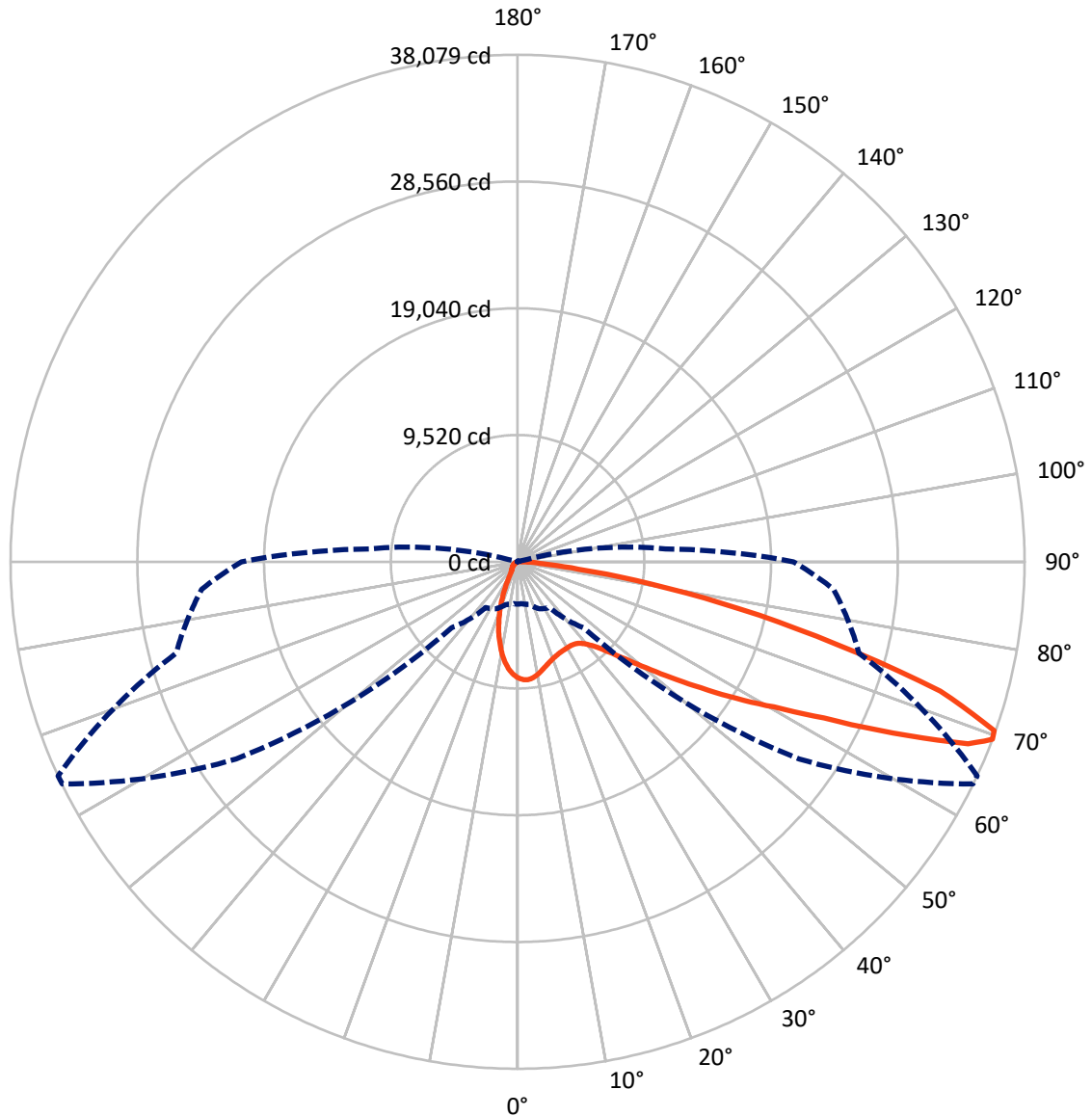
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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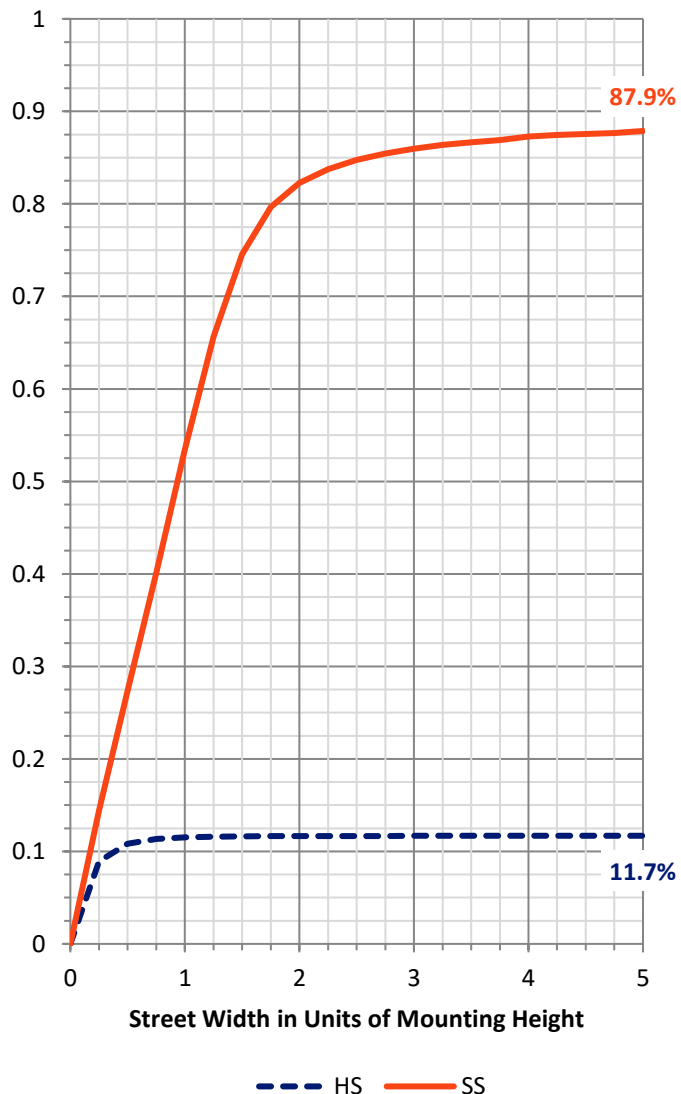
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4072.3	0.0	4072.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	30474.7	0.0	30474.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	34547.0	0.0	34547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.0	2.1
10°-20°	1598.0	4.6
20°-30°	2213.3	6.4
30°-40°	3086.1	8.9
40°-50°	4796.8	13.9
50°-60°	7700.8	22.3
60°-70°	8710.8	25.2
70°-80°	5116.0	14.8
80°-90°	595.1	1.7
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°	34547.0	100.0
0°-180°	34547.0	100.0

Coefficient of Utilization

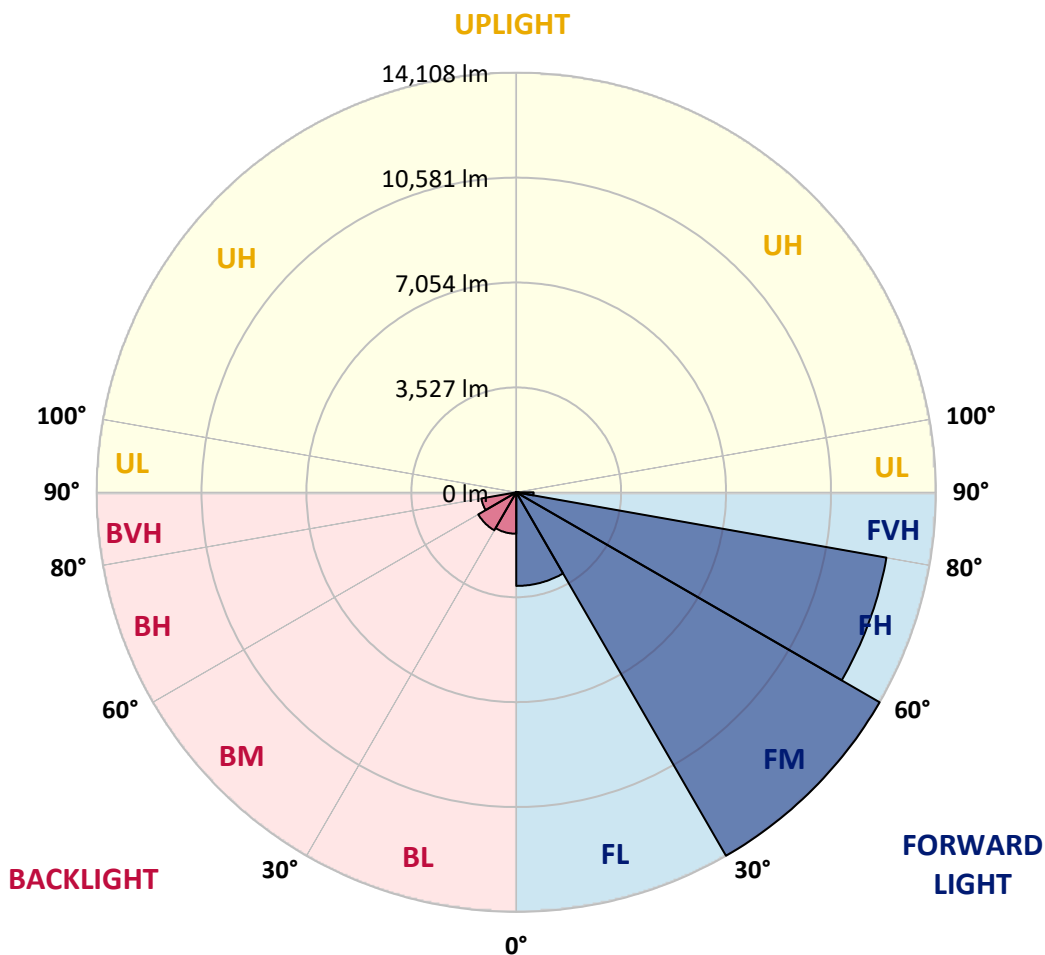


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3148.0	9.1			
FM (30°-60°)	14108.0	40.8			
FH (60°-80°)	12637.0	36.6			G5
FVH (80°-90°)	581.7	1.7			G4/750
BL (0°-30°)	1393.4	4.0	B3/2500		
BM (30°-60°)	1475.7	4.3	B2/2500		
BH (60°-80°)	1189.8	3.4	B3/2500		G3/2500
BVH (80°-90°)	13.4	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1
2.5°	8807.6	8785.6	8803.2	8841.2	8860.2	8860.2	8874.8	8857.3	8863.1	8820.7	8759.3
5°	8256.5	8222.8	8271.1	8377.8	8509.4	8621.9	8788.6	8876.3	8885.0	8886.5	8814.9
7.5°	7662.9	7632.2	7703.9	7829.6	7999.2	8208.2	8499.1	8753.5	8768.1	8905.5	8852.9
10°	7180.5	7158.6	7241.9	7376.4	7575.2	7809.1	8165.8	8519.6	8562.0	8866.0	8847.0
12.5°	6797.5	6780.0	6858.9	7013.9	7217.1	7475.8	7848.6	8259.4	8316.4	8776.9	8817.8
15°	6518.3	6515.4	6581.2	6730.3	6955.4	7196.6	7578.2	8018.2	8084.0	8680.4	8813.4
17.5°	6372.1	6376.5	6424.8	6552.0	6744.9	6984.7	7350.1	7815.0	7886.6	8594.1	8835.3
20°	6357.5	6361.9	6388.2	6459.9	6616.3	6828.2	7164.5	7643.9	7718.5	8529.8	8870.4
22.5°	6486.2	6483.2	6490.6	6483.2	6571.0	6731.8	7041.7	7512.4	7598.6	8487.4	8898.2
25°	6733.2	6728.8	6725.9	6671.8	6613.3	6699.6	6990.5	7437.8	7519.7	8456.7	8914.3
27.5°	7076.8	7073.8	7069.4	6980.3	6804.8	6750.8	6996.3	7410.0	7478.8	8431.9	8911.4
30°	7528.5	7548.9	7543.1	7418.8	7145.5	6907.2	7057.7	7395.4	7455.4	8383.6	8880.7
32.5°	8059.1	8100.0	8132.2	7999.2	7657.1	7217.1	7199.5	7411.5	7455.4	8347.1	8825.1
35°	8610.2	8662.8	8781.3	8734.5	8284.2	7683.4	7443.7	7508.0	7544.5	8367.6	8798.8
37.5°	9152.6	9215.4	9472.7	9608.7	9105.8	8300.3	7823.7	7746.3	7765.3	8491.8	8828.0
40°	9782.6	9877.6	10267.9	10487.2	10086.7	9126.2	8392.4	8155.6	8162.9	8765.2	8964.0
42.5°	10610.0	10708.0	11130.4	11474.0	11191.8	10170.0	9164.3	8781.3	8773.9	9276.8	9284.1
45°	11618.7	11721.0	12158.1	12539.6	12412.5	11406.7	10152.5	9694.9	9686.1	10083.7	9890.8
47.5°	12761.8	12862.7	13253.0	13646.2	13783.7	12851.0	11411.1	10941.8	10921.4	11205.0	10827.8
50°	13742.7	13808.5	14168.1	14697.3	15317.1	14625.7	12976.7	12525.0	12503.1	12694.6	12203.4
52.5°	14099.4	14137.4	14502.9	15244.0	16790.7	17028.9	15033.5	14451.7	14435.6	14519.0	14035.1
55°	13377.3	13446.0	13894.8	14994.1	17588.8	19745.0	17629.7	16837.4	16716.1	16536.3	15950.1
57.5°	11409.6	11519.3	12001.7	13463.5	17216.0	21899.8	21445.1	19536.0	19357.6	18258.3	17507.0
60°	8548.8	8683.3	9083.9	10661.2	15226.5	22667.2	25614.3	22543.0	22141.0	19629.5	18938.1
62.5°	5866.3	5933.6	6205.5	7233.2	11213.7	21410.1	29102.2	26570.3	25836.5	21120.6	20486.2
65°	4480.5	4503.9	4615.0	4968.8	6677.7	17391.5	30489.5	31884.1	30996.8	22904.1	22092.7
67.5°	3610.7	3591.7	3745.2	4251.0	4471.8	10610.0	28871.3	36911.4	36496.2	25288.3	23709.5
69°	3183.9	3157.6	3314.0	3901.6	4199.9	7013.9	25810.2	38053.1	38079.4	26547.0	23820.6
70°	2865.2	2882.7	3037.7	3694.1	4107.8	5505.3	22886.5	37762.2	37969.7	27017.7	23154.0
72.5°	1913.5	1960.3	2271.7	3066.9	3949.9	4166.2	13818.7	32404.5	33202.7	25957.8	19864.9
75°	1078.8	1113.9	1483.8	2312.6	3721.8	3967.4	7298.9	23873.3	24645.1	21706.8	15318.6
77.5°	529.2	548.2	839.1	1492.5	3112.2	3780.3	4139.9	16216.2	17097.6	14168.1	8664.3
80°	223.7	233.9	419.5	921.0	2224.9	3607.8	3074.2	9980.0	10089.6	5550.6	2308.2
82.5°	86.2	89.2	176.9	574.5	1413.6	2812.6	2571.4	4732.0	4617.9	1045.2	526.3
85°	10.2	11.7	64.3	345.0	786.5	1447.2	2089.0	2039.3	1887.2	207.6	270.4
87.5°	0.0	0.0	4.4	105.3	233.9	678.3	1086.1	846.4	763.1	67.2	140.3
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°	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1	8730.1
2.5°	8708.2	8693.5	8614.6	8500.6	8392.4	8257.9	8129.3	8051.8	7990.4	7949.5	7997.7
5°	8731.5	8667.2	8427.5	8120.5	7819.4	7480.2	7164.5	6896.9	6791.7	6674.7	6727.4
7.5°	8724.2	8602.9	8171.7	7624.9	7072.4	6500.8	5959.9	5543.3	5326.9	5115.0	5169.1
10°	8687.7	8483.0	7829.6	7019.7	6192.3	5370.8	4603.3	4020.1	3694.1	3398.8	3441.2
12.5°	8607.3	8322.2	7426.1	6326.8	5220.2	4137.0	3238.0	2491.0	2090.4	1913.5	1935.5
15°	8559.1	8165.8	6999.3	5625.1	4182.3	2881.3	1979.3	1472.1	1289.3	1230.9	1238.2
17.5°	8535.7	8015.2	6557.8	4822.6	3121.0	1834.6	1279.1	1128.5	1089.1	1078.8	1081.8
20°	8512.3	7863.2	6103.2	4028.8	2150.4	1233.8	1051.1	1007.2	992.6	979.4	982.4
22.5°	8472.8	7717.0	5614.9	3224.8	1450.1	1001.4	947.3	904.9	874.2	858.1	861.0
25°	8424.6	7563.5	5116.4	2401.8	1058.4	893.2	842.0	782.1	745.5	716.3	717.8
27.5°	8347.1	7375.0	4601.9	1748.4	888.8	799.6	730.9	665.1	603.7	570.1	570.1
30°	8238.9	7161.5	4030.3	1251.3	796.7	707.5	624.2	542.3	476.6	445.9	442.9
32.5°	8119.0	6939.3	3452.9	948.7	723.6	621.3	526.3	440.0	381.5	356.7	355.2
35°	8016.7	6699.6	2876.9	795.2	650.5	538.0	434.2	361.1	314.3	293.8	292.4
37.5°	7950.9	6459.9	2315.5	710.5	584.7	460.5	364.0	298.2	264.6	248.5	247.1
40°	7940.7	6281.5	1802.4	646.1	523.3	391.8	304.1	252.9	222.2	204.7	203.2
42.5°	8073.7	6179.2	1382.9	592.0	460.5	331.8	258.7	216.4	184.2	166.6	165.2
45°	8423.1	6211.3	1064.2	543.8	397.6	280.7	219.3	179.8	150.6	137.4	134.5
47.5°	9060.5	6433.5	846.4	495.6	337.7	238.3	187.1	149.1	124.3	111.1	109.6
50°	10194.8	6955.4	707.5	442.9	282.1	203.2	155.0	121.3	100.9	89.2	87.7
52.5°	11700.5	7885.1	631.5	391.8	233.9	172.5	127.2	96.5	78.9	70.2	68.7
55°	13361.2	9010.8	581.8	336.2	191.5	143.3	100.9	76.0	61.4	54.1	51.2
57.5°	14982.4	9985.8	535.0	282.1	159.3	116.9	80.4	59.9	48.2	40.9	39.5
60°	16472.0	10881.9	480.9	226.6	130.1	92.1	62.9	46.8	38.0	30.7	30.7
62.5°	18066.8	11574.8	406.4	176.9	106.7	70.2	51.2	42.4	30.7	26.3	24.9
65°	19756.7	12089.4	318.7	137.4	83.3	52.6	42.4	43.9	24.9	19.0	17.5
67.5°	21005.1	11987.1	235.4	108.2	64.3	40.9	40.9	46.8	21.9	14.6	13.2
69°	20730.3	11155.3	197.3	93.6	55.5	35.1	38.0	46.8	20.5	13.2	11.7
70°	19933.6	10234.3	174.0	83.3	49.7	32.2	36.5	45.3	19.0	13.2	11.7
72.5°	16600.6	7708.3	136.0	62.9	39.5	26.3	30.7	39.5	19.0	13.2	10.2
75°	12487.0	4933.7	103.8	45.3	29.2	20.5	23.4	29.2	19.0	11.7	10.2
77.5°	6794.6	1779.1	74.6	30.7	20.5	16.1	16.1	21.9	17.5	8.8	5.8
80°	1746.9	447.3	46.8	20.5	16.1	11.7	10.2	14.6	10.2	1.5	0.0
82.5°	431.2	100.9	24.9	14.6	11.7	4.4	4.4	7.3	4.4	0.0	0.0
85°	236.8	49.7	16.1	10.2	5.8	0.0	0.0	1.5	0.0	0.0	0.0
87.5°	121.3	14.6	4.4	2.9	1.5	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)