

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: P323194

Luminaire Tested: **GAN-SA0A-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323194
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-SA0A-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 615mA 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: 38207 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

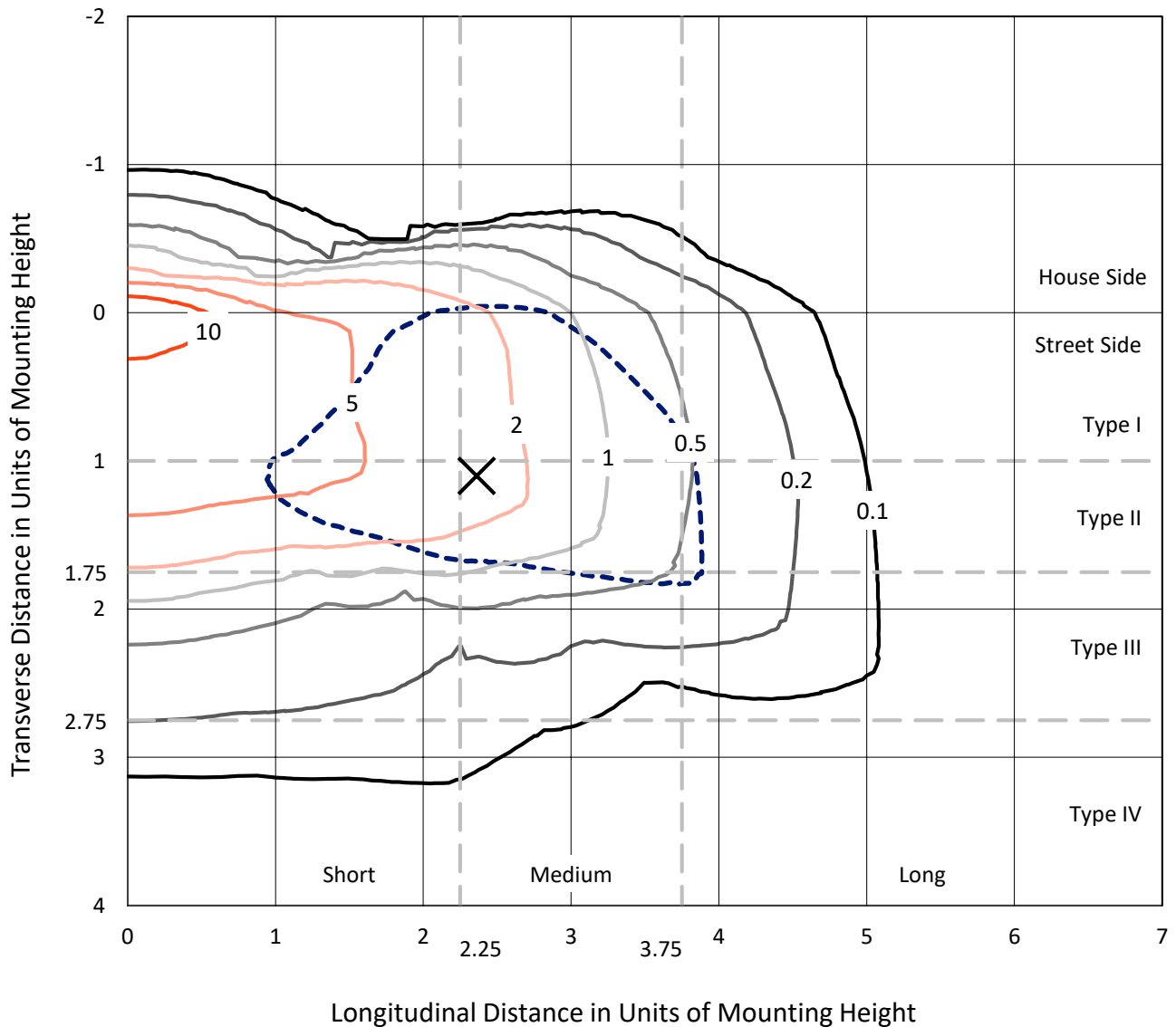
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

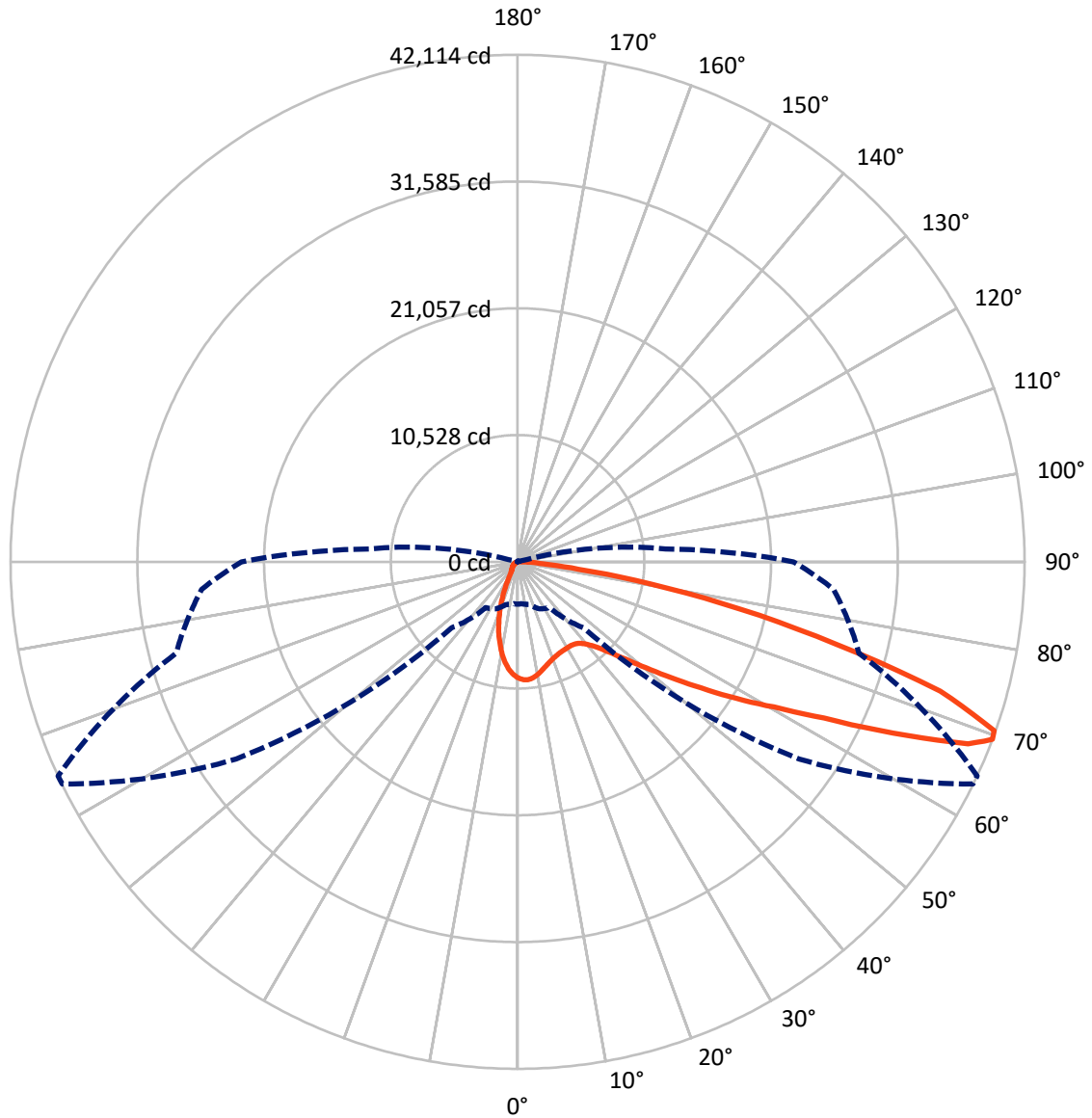
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 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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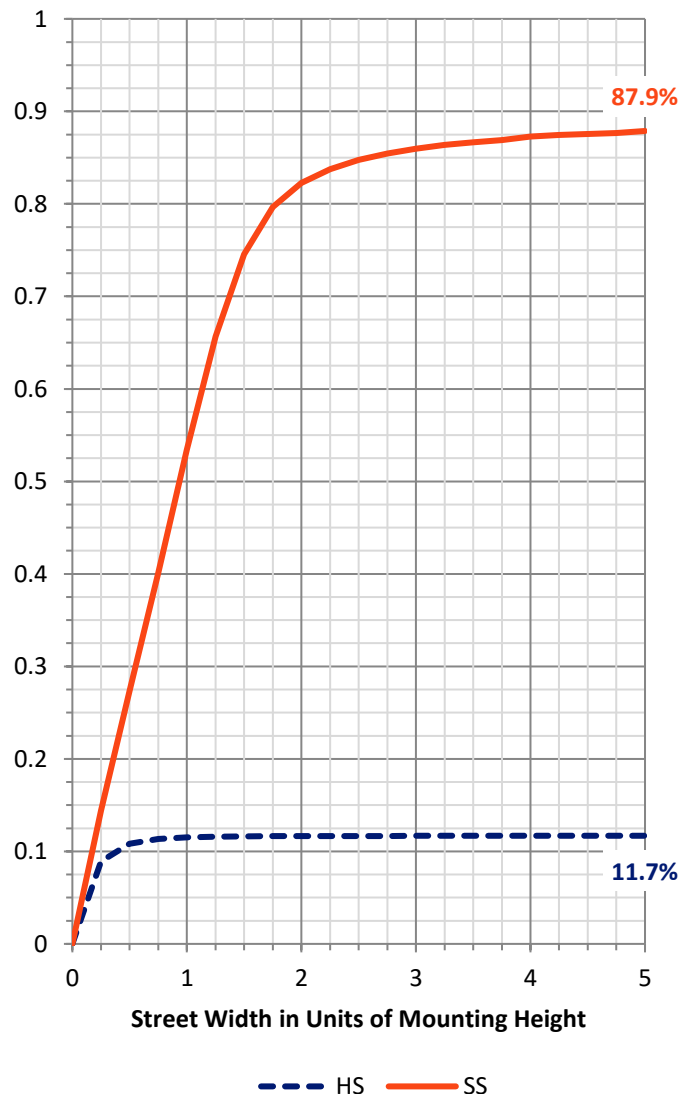
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4503.7	0.0	4503.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	33703.3	0.0	33703.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	38207.0	0.0	38207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.4	2.1
10°-20°	1767.3	4.6
20°-30°	2447.8	6.4
30°-40°	3413.1	8.9
40°-50°	5305.0	13.9
50°-60°	8516.6	22.3
60°-70°	9633.7	25.2
70°-80°	5658.0	14.8
80°-90°	658.2	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°	38207.0	100.0
0°-180°	38207.0	100.0

Coefficient of Utilization

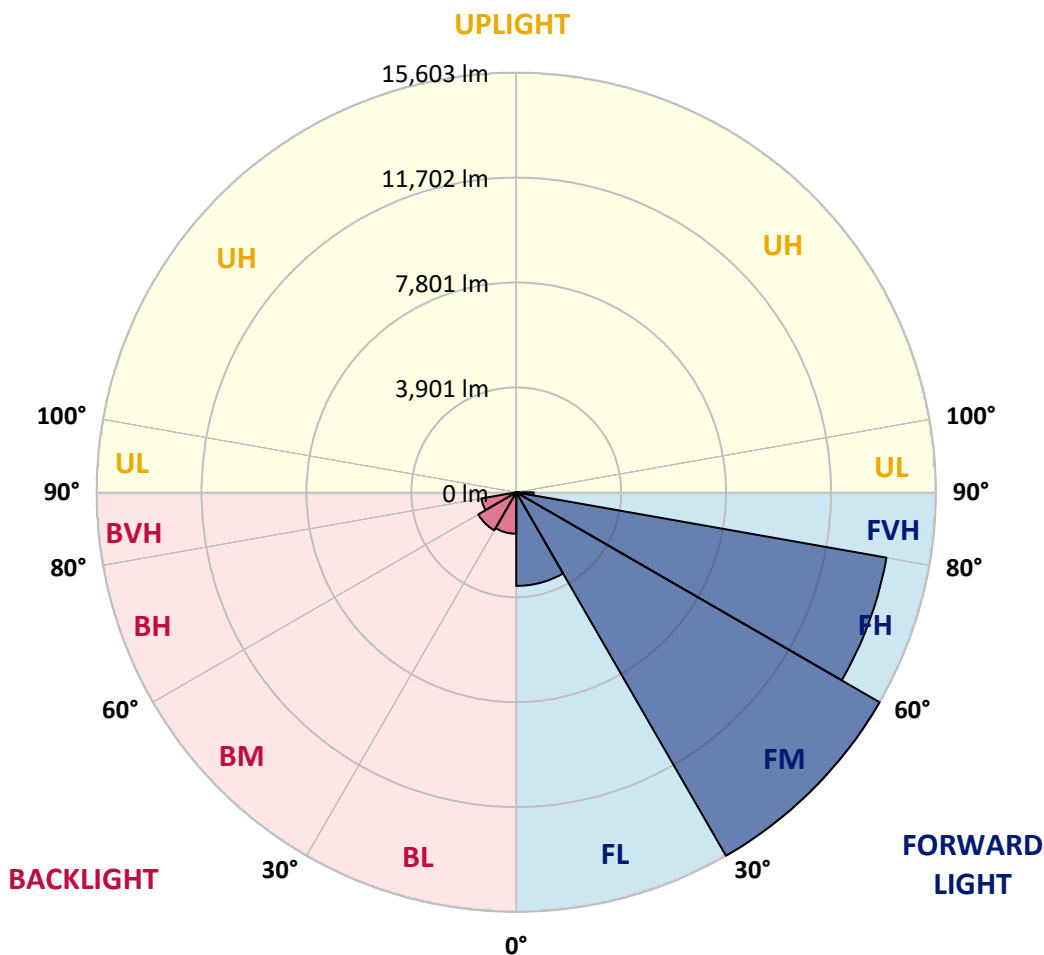


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3481.6	9.1			
FM (30°-60°)	15602.6	40.8			
FH (60°-80°)	13975.7	36.6			G5
FVH (80°-90°)	643.4	1.7			G4/750
BL (0°-30°)	1541.0	4.0	B3/2500		
BM (30°-60°)	1632.0	4.3	B2/2500		
BH (60°-80°)	1315.9	3.4	B3/2500		G3/2500
BVH (80°-90°)	14.8	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°	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0
2.5°	9740.7	9716.4	9735.8	9777.8	9798.9	9798.9	9815.0	9795.6	9802.1	9755.2	9687.3
5°	9131.2	9094.0	9147.3	9265.3	9410.9	9535.3	9719.6	9816.6	9826.3	9828.0	9748.7
7.5°	8474.8	8440.8	8520.0	8659.1	8846.6	9077.8	9399.5	9680.8	9697.0	9849.0	9790.8
10°	7941.3	7917.0	8009.2	8157.9	8377.8	8636.5	9030.9	9422.2	9469.1	9805.3	9784.3
12.5°	7517.7	7498.3	7585.6	7757.0	7981.7	8267.8	8680.1	9134.4	9197.4	9706.7	9752.0
15°	7208.9	7205.7	7278.4	7443.3	7692.3	7959.0	8381.0	8867.6	8940.4	9600.0	9747.1
17.5°	7047.2	7052.1	7105.4	7246.1	7459.5	7724.6	8128.8	8642.9	8722.1	9504.6	9771.4
20°	7031.1	7035.9	7065.0	7144.2	7317.2	7551.6	7923.5	8453.8	8536.2	9433.5	9810.2
22.5°	7173.3	7170.1	7178.2	7170.1	7267.1	7444.9	7787.7	8308.3	8403.6	9386.6	9840.9
25°	7446.6	7441.7	7438.5	7378.7	7314.0	7409.4	7731.1	8225.8	8316.3	9352.7	9858.7
27.5°	7826.5	7823.2	7818.4	7719.8	7525.8	7466.0	7737.6	8195.1	8271.1	9325.2	9855.4
30°	8326.0	8348.7	8342.2	8204.8	7902.5	7638.9	7805.5	8178.9	8245.2	9271.8	9821.5
32.5°	8912.9	8958.2	8993.7	8846.6	8468.3	7981.7	7962.3	8196.7	8245.2	9231.4	9760.1
35°	9522.4	9580.6	9711.6	9659.8	9161.9	8497.4	8232.3	8303.4	8343.8	9254.0	9731.0
37.5°	10122.2	10191.7	10476.3	10626.6	10070.5	9179.7	8652.6	8566.9	8587.9	9391.5	9763.3
40°	10819.0	10924.1	11355.8	11598.3	11155.3	10093.1	9281.5	9019.6	9027.7	9693.8	9913.6
42.5°	11734.1	11842.4	12309.6	12689.5	12377.5	11247.4	10135.1	9711.6	9703.5	10259.6	10267.7
45°	12849.6	12962.8	13446.2	13868.1	13727.5	12615.2	11228.0	10722.0	10712.3	11152.0	10938.6
47.5°	14113.9	14225.4	14657.1	15092.0	15243.9	14212.5	12620.0	12101.1	12078.4	12392.1	11975.0
50°	15198.7	15271.4	15669.1	16254.4	16939.9	16175.2	14351.5	13851.9	13827.7	14039.5	13496.3
52.5°	15593.1	15635.2	16039.4	16859.0	18569.5	18833.0	16626.2	15982.8	15965.0	16057.1	15522.0
55°	14794.5	14870.5	15366.8	16582.6	19452.2	21836.9	19497.5	18621.2	18487.0	18288.2	17639.9
57.5°	12618.4	12739.7	13273.2	14889.9	19040.0	24219.9	23717.1	21605.7	21408.4	20192.7	19361.7
60°	9454.5	9603.2	10046.2	11790.6	16839.6	25068.7	28327.9	24931.2	24486.6	21709.1	20944.4
62.5°	6487.8	6562.2	6862.9	7999.5	12401.8	23678.3	32185.4	29385.3	28573.7	23358.2	22656.5
65°	4955.2	4981.1	5103.9	5495.2	7385.1	19234.0	33719.7	35262.0	34280.7	25330.6	24433.3
67.5°	3993.3	3972.2	4142.0	4701.4	4945.5	11734.1	31930.0	40821.9	40362.7	27967.4	26221.4
69°	3521.2	3492.1	3665.1	4315.0	4644.8	7757.0	28544.6	42084.5	42113.6	29359.4	26344.2
70°	3168.7	3188.1	3359.5	4085.4	4542.9	6088.5	25311.2	41762.8	41992.4	29880.0	25607.0
72.5°	2116.3	2168.0	2512.4	3391.9	4368.3	4607.6	15282.7	35837.6	36720.3	28707.9	21969.4
75°	1193.1	1231.9	1641.0	2557.6	4116.1	4387.7	8072.2	26402.4	27256.1	24006.5	16941.5
77.5°	585.2	606.3	928.0	1650.7	3442.0	4180.8	4578.5	17934.1	18909.0	15669.1	9582.2
80°	247.4	258.7	464.0	1018.5	2460.6	3990.0	3399.9	11037.3	11158.5	6138.6	2552.8
82.5°	95.4	98.6	195.6	635.4	1563.4	3110.5	2843.8	5233.3	5107.2	1155.9	582.0
85°	11.3	12.9	71.1	381.5	869.8	1600.5	2310.3	2255.3	2087.2	229.6	299.1
87.5°	0.0	0.0	4.9	116.4	258.7	750.2	1201.2	936.1	843.9	74.4	155.2
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°	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0	9655.0
2.5°	9630.7	9614.6	9527.3	9401.2	9281.5	9132.8	8990.5	8904.8	8836.9	8791.7	8845.0
5°	9656.6	9585.5	9320.3	8980.8	8647.8	8272.7	7923.5	7627.6	7511.2	7381.9	7440.1
7.5°	9648.5	9514.3	9037.4	8432.7	7821.6	7189.5	6591.3	6130.6	5891.3	5656.9	5716.7
10°	9608.1	9381.8	8659.1	7763.4	6848.4	5939.8	5091.0	4445.9	4085.4	3758.8	3805.7
12.5°	9519.2	9203.9	8212.9	6997.1	5773.3	4575.3	3581.0	2754.9	2311.9	2116.3	2140.5
15°	9465.8	9030.9	7740.8	6221.1	4625.4	3186.5	2189.0	1628.0	1425.9	1361.3	1369.4
17.5°	9440.0	8864.4	7252.5	5333.5	3451.7	2029.0	1414.6	1248.1	1204.4	1193.1	1196.4
20°	9414.1	8696.3	6749.8	4455.6	2378.2	1364.5	1162.4	1113.9	1097.7	1083.2	1086.4
22.5°	9370.4	8534.6	6209.8	3566.5	1603.8	1107.4	1047.6	1000.7	966.8	949.0	952.2
25°	9317.1	8364.8	5658.5	2656.3	1170.5	987.8	931.2	864.9	824.5	792.2	793.8
27.5°	9231.4	8156.3	5089.4	1933.6	983.0	884.3	808.4	735.6	667.7	630.5	630.5
30°	9111.8	7920.2	4457.3	1383.9	881.1	782.5	690.3	599.8	527.0	493.1	489.9
32.5°	8979.2	7674.5	3818.7	1049.2	800.3	687.1	582.0	486.6	422.0	394.5	392.9
35°	8866.0	7409.4	3181.7	879.5	719.4	594.9	480.2	399.3	347.6	325.0	323.3
37.5°	8793.3	7144.2	2560.9	785.7	646.7	509.3	402.6	329.8	292.6	274.8	273.2
40°	8782.0	6947.0	1993.4	714.6	578.8	433.3	336.3	279.7	245.7	226.3	224.7
42.5°	8929.1	6833.8	1529.4	654.8	509.3	367.0	286.2	239.3	203.7	184.3	182.7
45°	9315.5	6869.4	1177.0	601.4	439.7	310.4	242.5	198.9	166.5	152.0	148.7
47.5°	10020.4	7115.1	936.1	548.1	373.5	263.5	206.9	164.9	137.4	122.9	121.3
50°	11274.9	7692.3	782.5	489.9	312.0	224.7	171.4	134.2	111.6	98.6	97.0
52.5°	12940.1	8720.5	698.4	433.3	258.7	190.8	140.7	106.7	87.3	77.6	76.0
55°	14776.7	9965.4	643.4	371.8	211.8	158.4	111.6	84.1	67.9	59.8	56.6
57.5°	16569.6	11043.7	591.7	312.0	176.2	129.3	88.9	66.3	53.4	45.3	43.7
60°	18217.1	12034.8	531.9	250.6	143.9	101.9	69.5	51.7	42.0	34.0	34.0
62.5°	19980.9	12801.1	449.4	195.6	118.0	77.6	56.6	46.9	34.0	29.1	27.5
65°	21849.8	13370.2	352.4	152.0	92.2	58.2	46.9	48.5	27.5	21.0	19.4
67.5°	23230.5	13257.0	260.3	119.6	71.1	45.3	45.3	51.7	24.3	16.2	14.6
69°	22926.5	12337.1	218.3	103.5	61.4	38.8	42.0	51.7	22.6	14.6	12.9
70°	22045.4	11318.6	192.4	92.2	55.0	35.6	40.4	50.1	21.0	14.6	12.9
72.5°	18359.3	8524.9	150.4	69.5	43.7	29.1	34.0	43.7	21.0	14.6	11.3
75°	13809.9	5456.4	114.8	50.1	32.3	22.6	25.9	32.3	21.0	12.9	11.3
77.5°	7514.5	1967.5	82.5	34.0	22.6	17.8	17.8	24.3	19.4	9.7	6.5
80°	1932.0	494.7	51.7	22.6	17.8	12.9	11.3	16.2	11.3	1.6	0.0
82.5°	476.9	111.6	27.5	16.2	12.9	4.9	4.9	8.1	4.9	0.0	0.0
85°	261.9	55.0	17.8	11.3	6.5	0.0	0.0	1.6	0.0	0.0	0.0
87.5°	134.2	16.2	4.9	3.2	1.6	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)