

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: P323242

Luminaire Tested: **GAN-SA8B-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323242
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-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 37934 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

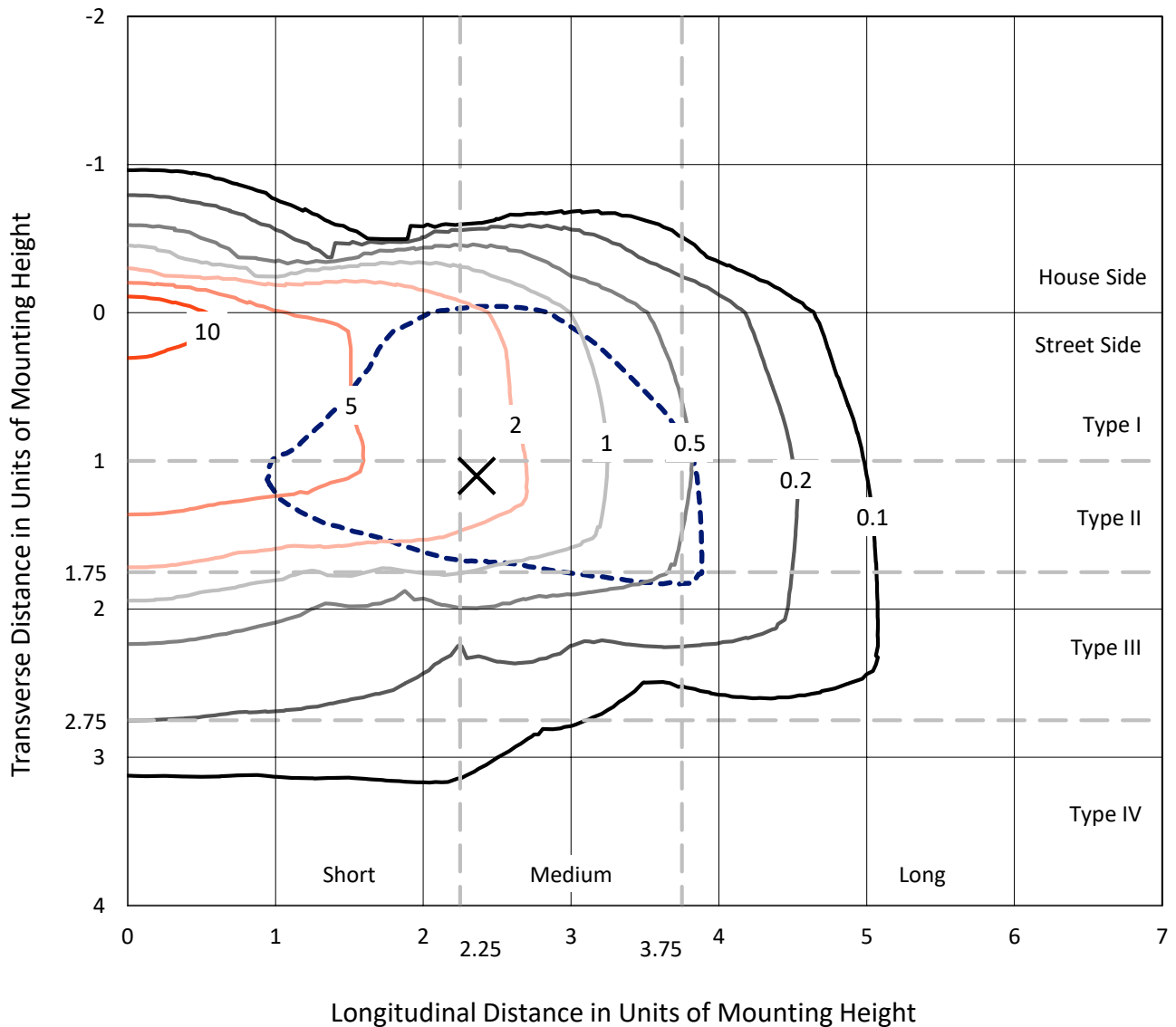
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

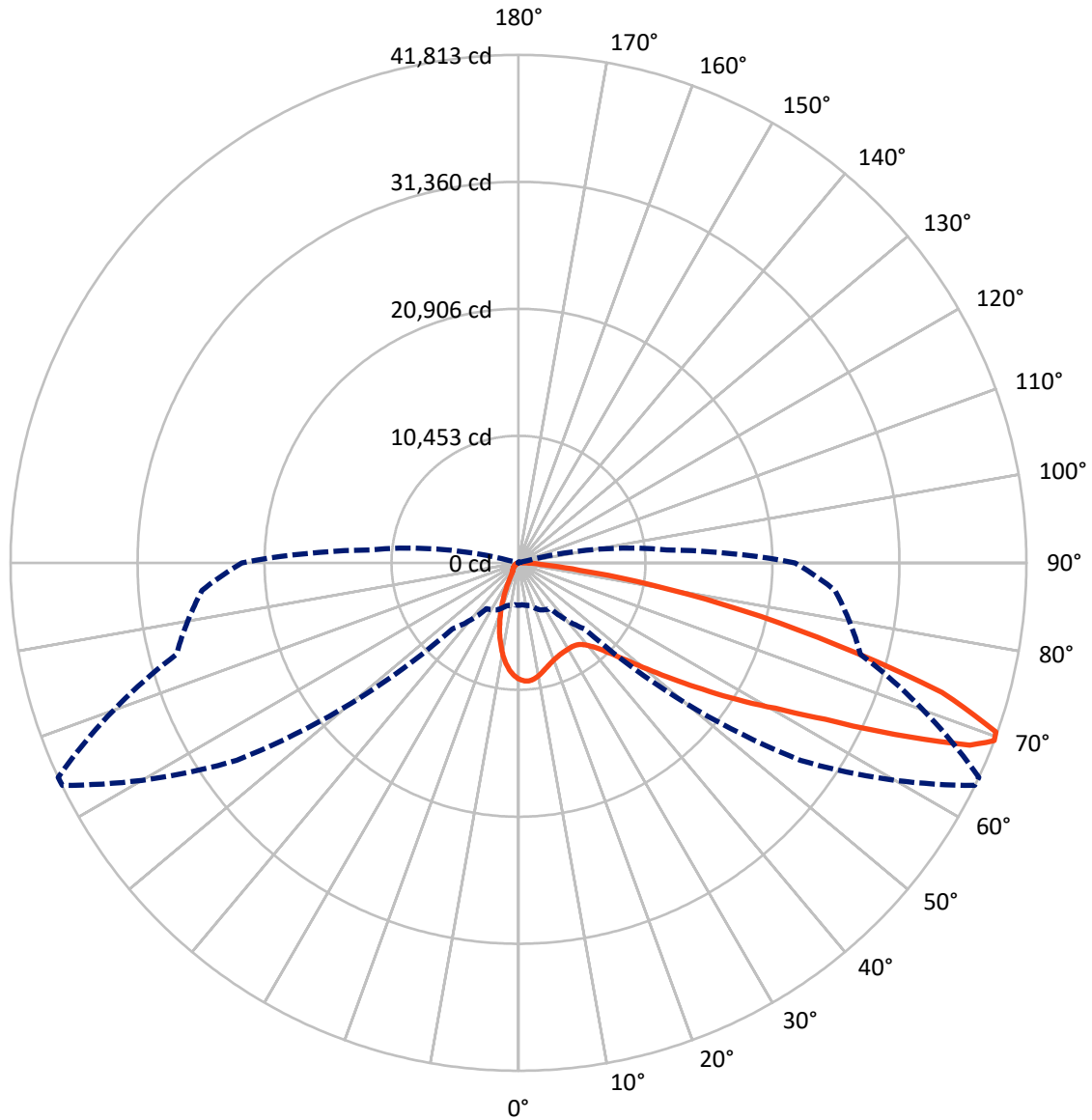
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 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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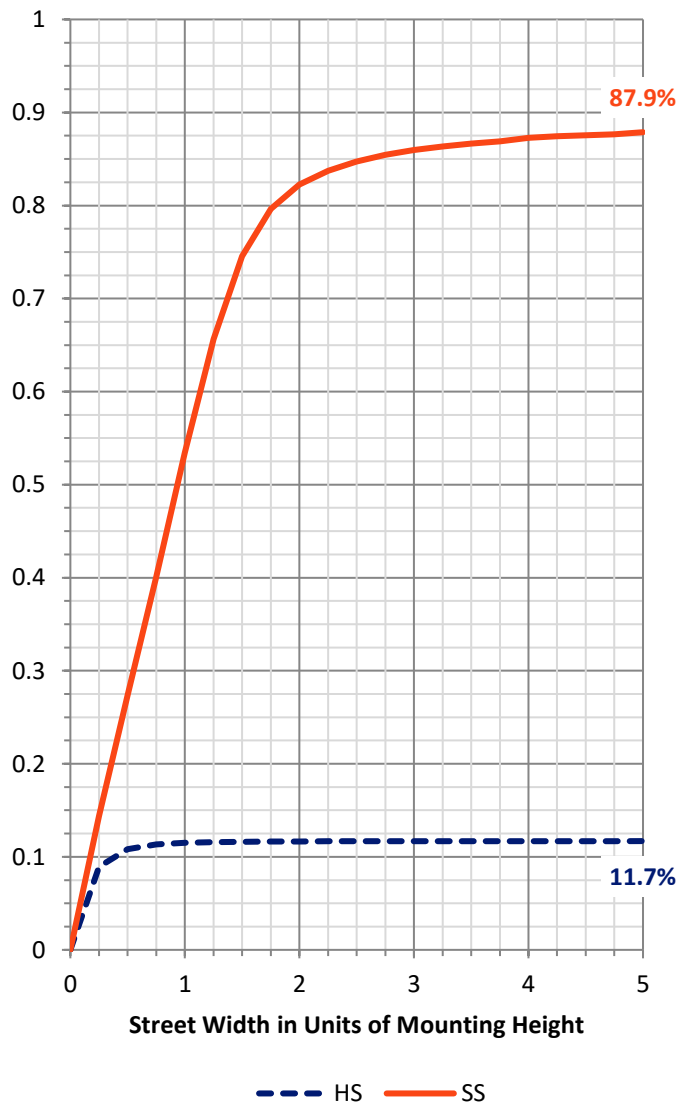
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4471.5	0.0	4471.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	33462.5	0.0	33462.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	37934.0	0.0	37934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.6	2.1
10°-20°	1754.7	4.6
20°-30°	2430.3	6.4
30°-40°	3388.7	8.9
40°-50°	5267.1	13.9
50°-60°	8455.8	22.3
60°-70°	9564.8	25.2
70°-80°	5617.5	14.8
80°-90°	653.5	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°	37934.0	100.0
0°-180°	37934.0	100.0

Coefficient of Utilization

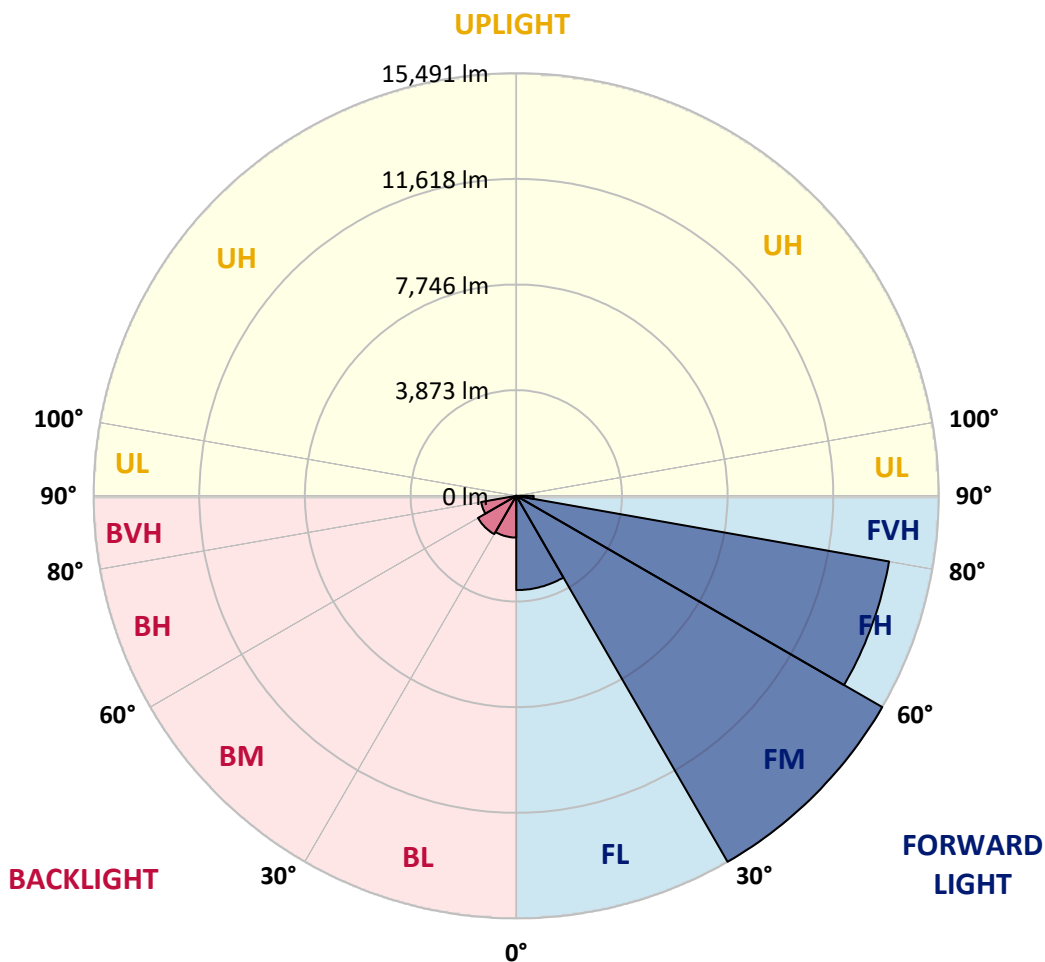


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3456.7	9.1			
FM (30°-60°)	15491.2	40.8			
FH (60°-80°)	13875.9	36.6			G5
FVH (80°-90°)	638.8	1.7			G4/750
BL (0°-30°)	1530.0	4.0	B3/2500		
BM (30°-60°)	1620.4	4.3	B2/2500		
BH (60°-80°)	1306.5	3.4	B3/2500		G3/2500
BVH (80°-90°)	14.7	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°	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0
2.5°	9671.1	9647.0	9666.2	9708.0	9728.8	9728.8	9744.9	9725.6	9732.1	9685.5	9618.1
5°	9065.9	9029.0	9082.0	9199.1	9343.6	9467.2	9650.2	9746.5	9756.1	9757.7	9679.1
7.5°	8414.2	8380.5	8459.2	8597.2	8783.4	9012.9	9332.4	9611.7	9627.7	9778.6	9720.8
10°	7884.5	7860.4	7951.9	8099.6	8317.9	8574.7	8966.4	9354.8	9401.4	9735.3	9714.4
12.5°	7464.0	7444.7	7531.4	7701.5	7924.7	8208.8	8618.1	9069.1	9131.7	9637.4	9682.3
15°	7157.4	7154.2	7226.4	7390.1	7637.3	7902.2	8321.1	8804.3	8876.5	9531.4	9677.5
17.5°	6996.9	7001.7	7054.7	7194.3	7406.2	7669.4	8070.7	8581.2	8659.8	9436.7	9701.6
20°	6980.8	6985.6	7014.5	7093.2	7264.9	7497.7	7866.9	8393.4	8475.2	9366.1	9740.1
22.5°	7122.1	7118.9	7126.9	7118.9	7215.2	7391.7	7732.0	8248.9	8343.6	9319.5	9770.6
25°	7393.3	7388.5	7385.3	7325.9	7261.7	7356.4	7675.9	8167.0	8256.9	9285.8	9788.2
27.5°	7770.6	7767.3	7762.5	7664.6	7472.0	7412.6	7682.3	8136.5	8212.0	9258.5	9785.0
30°	8266.6	8289.0	8282.6	8146.2	7846.0	7584.4	7749.7	8120.5	8186.3	9205.6	9751.3
32.5°	8849.2	8894.2	8929.5	8783.4	8407.8	7924.7	7905.4	8138.1	8186.3	9165.4	9690.3
35°	9454.4	9512.2	9642.2	9590.8	9096.4	8436.7	8173.5	8244.1	8284.2	9187.9	9661.4
37.5°	10049.9	10118.9	10401.4	10550.7	9998.5	9114.1	8590.8	8505.7	8526.6	9324.3	9693.5
40°	10741.7	10846.0	11274.6	11515.4	11075.6	10021.0	9215.2	8955.2	8963.2	9624.5	9842.8
42.5°	11650.2	11757.8	12221.7	12598.9	12289.1	11167.1	10062.7	9642.2	9634.1	10186.3	10194.3
45°	12757.8	12870.1	13350.1	13769.0	13629.4	12525.0	11147.8	10645.4	10635.8	11072.4	10860.5
47.5°	14013.0	14123.8	14552.3	14984.1	15135.0	14110.9	12529.8	12014.6	11992.1	12303.5	11889.4
50°	15090.1	15162.3	15557.2	16138.2	16818.8	16059.6	14249.0	13753.0	13728.9	13939.2	13399.8
52.5°	15481.7	15523.5	15924.7	16738.6	18436.8	18698.5	16507.4	15868.6	15850.9	15942.4	15411.1
55°	14688.8	14764.2	15257.0	16464.1	19313.2	21680.8	19358.2	18488.2	18355.0	18157.5	17513.9
57.5°	12528.2	12648.6	13178.3	14783.5	18903.9	24046.8	23547.6	21451.3	21255.5	20048.4	19223.3
60°	9386.9	9534.6	9974.4	11706.4	16719.3	24889.5	28125.5	24753.1	24311.7	21554.0	20794.8
62.5°	6441.5	6515.3	6813.9	7942.3	12313.1	23509.1	31955.4	29175.3	28369.5	23191.3	22494.6
65°	4919.8	4945.5	5067.5	5455.9	7332.4	19096.5	33478.7	35010.0	34035.7	25149.6	24258.7
67.5°	3964.7	3943.9	4112.4	4667.8	4910.2	11650.2	31701.8	40530.2	40074.3	27767.6	26034.0
69°	3496.0	3467.1	3638.9	4284.2	4611.6	7701.5	28340.6	41783.8	41812.7	29149.6	26156.0
70°	3146.1	3165.4	3335.5	4056.2	4510.5	6045.0	25130.3	41464.4	41692.3	29666.5	25424.1
72.5°	2101.1	2152.5	2494.4	3367.6	4337.1	4574.7	15173.5	35581.5	36457.9	28502.7	21812.5
75°	1184.6	1223.1	1629.2	2539.4	4086.7	4356.4	8014.5	26213.8	27061.3	23835.0	16820.4
77.5°	581.1	601.9	921.4	1638.9	3417.4	4150.9	4545.8	17806.0	18773.9	15557.2	9513.8
80°	245.6	256.8	460.7	1011.2	2443.0	3961.5	3375.6	10958.4	11078.8	6094.8	2534.5
82.5°	94.7	97.9	194.2	630.8	1552.2	3088.3	2823.5	5195.9	5070.7	1147.7	577.9
85°	11.2	12.8	70.6	378.8	863.6	1589.1	2293.8	2239.2	2072.3	227.9	297.0
87.5°	0.0	0.0	4.8	115.6	256.8	744.8	1192.6	929.4	837.9	73.8	154.1
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°	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0	9586.0
2.5°	9561.9	9545.9	9459.2	9334.0	9215.2	9067.5	8926.3	8841.2	8773.8	8728.8	8781.8
5°	9587.6	9517.0	9253.7	8916.6	8586.0	8213.6	7866.9	7573.1	7457.6	7329.1	7386.9
7.5°	9579.6	9446.3	8972.8	8372.5	7765.7	7138.1	6544.2	6086.7	5849.2	5616.4	5675.8
10°	9539.4	9314.7	8597.2	7708.0	6799.4	5897.3	5054.6	4414.2	4056.2	3732.0	3778.5
12.5°	9451.2	9138.1	8154.2	6947.1	5732.0	4542.6	3555.4	2735.2	2295.4	2101.1	2125.2
15°	9398.2	8966.4	7685.5	6176.6	4592.3	3163.8	2173.4	1616.4	1415.7	1351.5	1359.6
17.5°	9372.5	8801.1	7200.7	5295.4	3427.0	2014.5	1404.5	1239.2	1195.8	1184.6	1187.8
20°	9346.8	8634.1	6701.5	4423.8	2361.2	1354.8	1154.1	1106.0	1089.9	1075.5	1078.7
22.5°	9303.5	8473.6	6165.4	3541.0	1592.3	1099.5	1040.1	993.6	959.9	942.2	945.4
25°	9250.5	8305.1	5618.0	2637.3	1162.1	980.7	924.6	858.8	818.6	786.5	788.1
27.5°	9165.4	8098.0	5053.0	1919.8	975.9	878.0	802.6	730.3	662.9	626.0	626.0
30°	9046.7	7863.7	4425.4	1374.0	874.8	776.9	685.4	595.5	523.3	489.6	486.4
32.5°	8915.0	7619.7	3791.4	1041.7	794.6	682.2	577.9	483.2	418.9	391.7	390.1
35°	8802.7	7356.4	3158.9	873.2	714.3	590.7	476.7	396.5	345.1	322.6	321.0
37.5°	8730.4	7093.2	2542.6	780.1	642.1	505.6	399.7	327.5	290.5	272.9	271.3
40°	8719.2	6897.4	1979.2	709.5	574.6	430.2	333.9	277.7	244.0	224.7	223.1
42.5°	8865.3	6785.0	1518.5	650.1	505.6	364.4	284.1	237.6	202.2	183.0	181.4
45°	9248.9	6820.3	1168.6	597.1	436.6	308.2	240.8	197.4	165.3	150.9	147.7
47.5°	9948.8	7064.3	929.4	544.1	370.8	261.6	205.5	163.7	136.4	122.0	120.4
50°	11194.4	7637.3	776.9	486.4	309.8	223.1	170.1	133.2	110.8	97.9	96.3
52.5°	12847.7	8658.2	693.4	430.2	256.8	189.4	139.6	105.9	86.7	77.0	75.4
55°	14671.1	9894.2	638.9	369.2	210.3	157.3	110.8	83.5	67.4	59.4	56.2
57.5°	16451.2	10964.8	587.5	309.8	175.0	128.4	88.3	65.8	53.0	44.9	43.3
60°	18086.9	11948.8	528.1	248.8	142.9	101.1	69.0	51.4	41.7	33.7	33.7
62.5°	19838.1	12709.6	446.2	194.2	117.2	77.0	56.2	46.5	33.7	28.9	27.3
65°	21693.7	13274.6	349.9	150.9	91.5	57.8	46.5	48.2	27.3	20.9	19.3
67.5°	23064.5	13162.3	258.4	118.8	70.6	44.9	44.9	51.4	24.1	16.1	14.4
69°	22762.7	12248.9	216.7	102.7	61.0	38.5	41.7	51.4	22.5	14.4	12.8
70°	21887.9	11237.7	191.0	91.5	54.6	35.3	40.1	49.8	20.9	14.4	12.8
72.5°	18228.1	8464.0	149.3	69.0	43.3	28.9	33.7	43.3	20.9	14.4	11.2
75°	13711.2	5417.4	114.0	49.8	32.1	22.5	25.7	32.1	20.9	12.8	11.2
77.5°	7460.8	1953.5	81.9	33.7	22.5	17.7	17.7	24.1	19.3	9.6	6.4
80°	1918.2	491.2	51.4	22.5	17.7	12.8	11.2	16.1	11.2	1.6	0.0
82.5°	473.5	110.8	27.3	16.1	12.8	4.8	4.8	8.0	4.8	0.0	0.0
85°	260.0	54.6	17.7	11.2	6.4	0.0	0.0	1.6	0.0	0.0	0.0
87.5°	133.2	16.1	4.8	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)