

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: P323202

Luminaire Tested: **GAN-SA8B-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323202
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-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 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: 37935 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

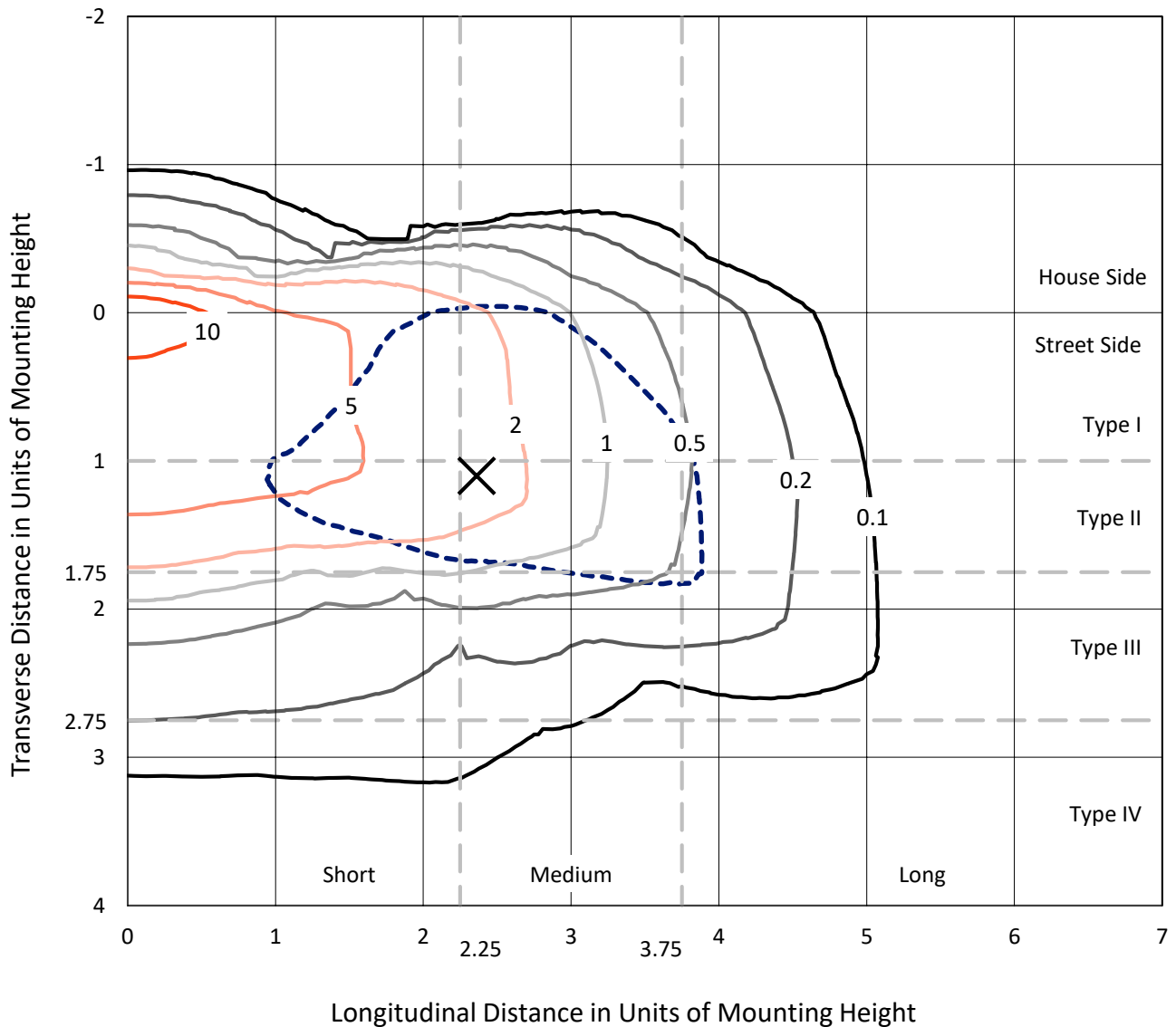
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

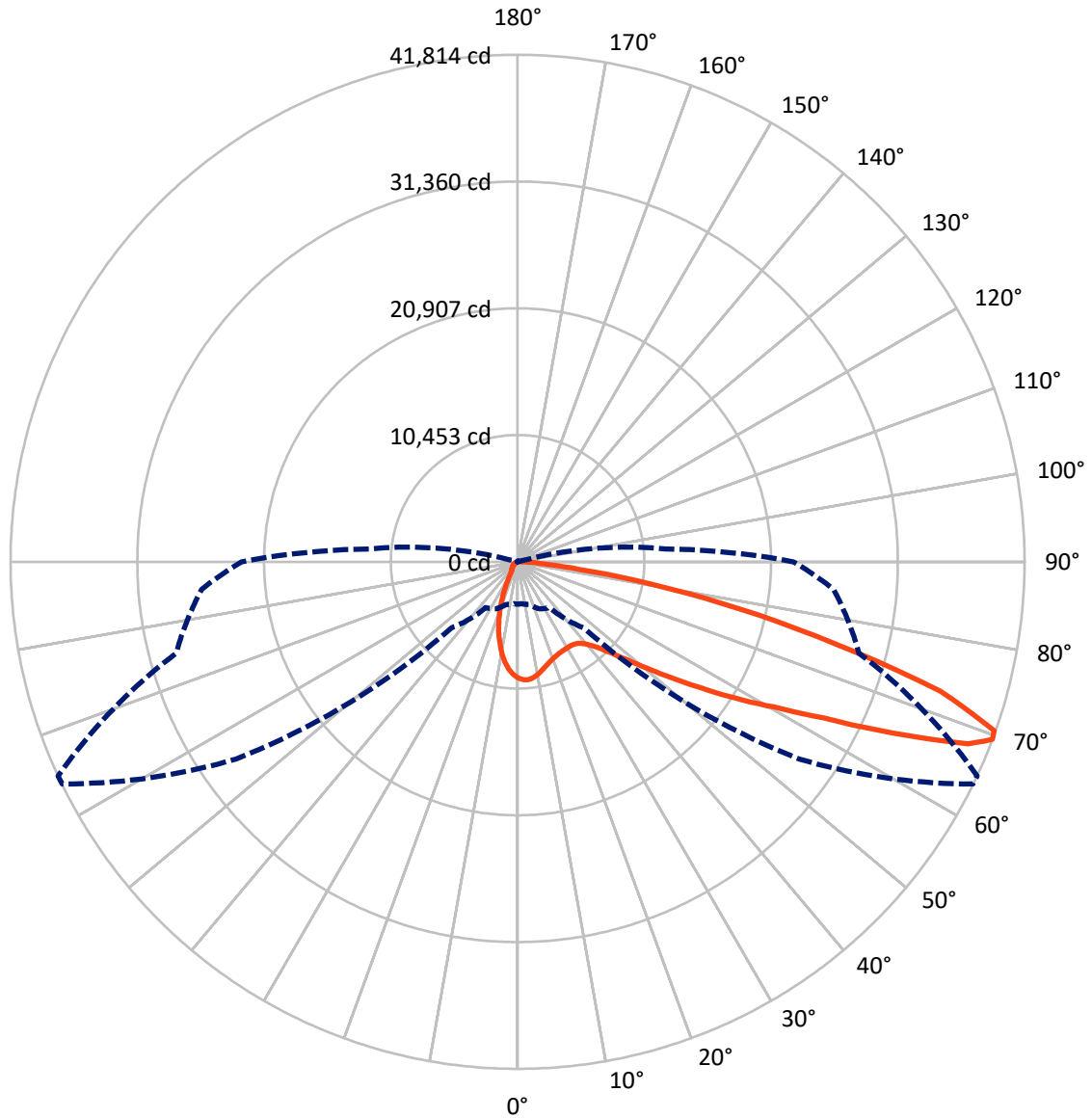
✕ Max cd
 - - - 1/2 Max cd



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	4471.6	0.0	4471.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	33463.4	0.0	33463.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	37935.0	0.0	37935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.6	2.1
10°-20°	1754.8	4.6
20°-30°	2430.4	6.4
30°-40°	3388.8	8.9
40°-50°	5267.2	13.9
50°-60°	8456.0	22.3
60°-70°	9565.1	25.2
70°-80°	5617.7	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°	37935.0	100.0
0°-180°	37935.0	100.0

Coefficient of Utilization

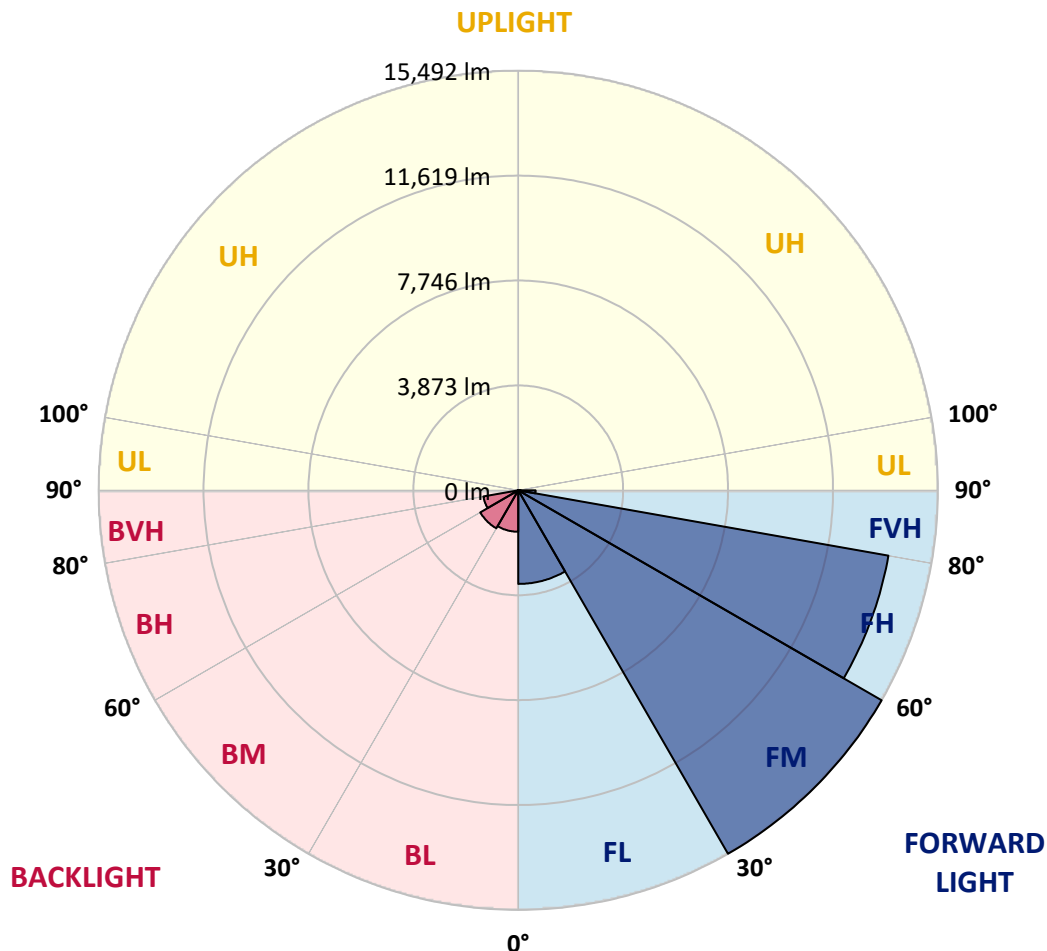


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3456.8	9.1			
FM (30°-60°)	15491.6	40.8			
FH (60°-80°)	13876.3	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°	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2
2.5°	9671.3	9647.2	9666.5	9708.2	9729.1	9729.1	9745.2	9725.9	9732.3	9685.8	9618.3
5°	9066.2	9029.2	9082.2	9199.4	9343.9	9467.5	9650.4	9746.8	9756.4	9758.0	9679.3
7.5°	8414.4	8380.7	8459.4	8597.4	8783.6	9013.2	9332.6	9611.9	9628.0	9778.9	9721.1
10°	7884.7	7860.7	7952.1	8099.8	8318.1	8575.0	8966.6	9355.1	9401.6	9735.5	9714.7
12.5°	7464.2	7444.9	7531.6	7701.7	7924.9	8209.0	8618.3	9069.4	9132.0	9637.6	9682.6
15°	7157.6	7154.4	7226.6	7390.3	7637.5	7902.4	8321.3	8804.5	8876.7	9531.7	9677.7
17.5°	6997.1	7001.9	7054.8	7194.5	7406.4	7669.6	8070.9	8581.4	8660.0	9437.0	9701.8
20°	6981.0	6985.8	7014.7	7093.4	7265.1	7497.9	7867.1	8393.6	8475.4	9366.3	9740.3
22.5°	7122.3	7119.1	7127.1	7119.1	7215.4	7391.9	7732.2	8249.1	8343.8	9319.8	9770.8
25°	7393.5	7388.7	7385.5	7326.1	7261.9	7356.6	7676.1	8167.2	8257.1	9286.1	9788.5
27.5°	7770.8	7767.6	7762.7	7664.8	7472.2	7412.8	7682.5	8136.7	8212.2	9258.8	9785.3
30°	8266.8	8289.2	8282.8	8146.4	7846.2	7584.6	7749.9	8120.7	8186.5	9205.8	9751.6
32.5°	8849.5	8894.4	8929.7	8783.6	8408.0	7924.9	7905.6	8138.4	8186.5	9165.7	9690.6
35°	9454.6	9512.4	9642.4	9591.1	9096.7	8436.9	8173.7	8244.3	8284.4	9188.2	9661.7
37.5°	10050.1	10119.2	10401.7	10551.0	9998.8	9114.3	8591.0	8505.9	8526.8	9324.6	9693.8
40°	10742.0	10846.3	11274.9	11515.7	11075.9	10021.2	9215.4	8955.4	8963.4	9624.8	9843.1
42.5°	11650.5	11758.1	12222.0	12599.2	12289.4	11167.4	10063.0	9642.4	9634.4	10186.6	10194.6
45°	12758.1	12870.5	13350.4	13769.4	13629.7	12525.4	11148.1	10645.7	10636.0	11072.7	10860.8
47.5°	14013.4	14124.1	14552.7	14984.5	15135.4	14111.3	12530.2	12014.9	11992.4	12303.8	11889.7
50°	15090.5	15162.7	15557.6	16138.7	16819.3	16060.0	14249.3	13753.3	13729.3	13939.5	13400.2
52.5°	15482.1	15523.9	15925.2	16739.0	18437.3	18698.9	16507.9	15869.0	15851.3	15942.8	15411.5
55°	14689.2	14764.6	15257.4	16464.5	19313.7	21681.4	19358.7	18488.7	18355.4	18158.0	17514.3
57.5°	12528.6	12649.0	13178.7	14783.9	18904.4	24047.5	23548.3	21451.9	21256.0	20048.9	19223.8
60°	9387.2	9534.9	9974.7	11706.7	16719.7	24890.2	28126.3	24753.8	24312.3	21554.6	20795.3
62.5°	6441.7	6515.5	6814.1	7942.5	12313.5	23509.7	31956.3	29176.1	28370.3	23191.9	22495.2
65°	4919.9	4945.6	5067.6	5456.1	7332.5	19097.0	33479.6	35011.0	34036.6	25150.2	24259.4
67.5°	3964.8	3944.0	4112.5	4667.9	4910.3	11650.5	31702.7	40531.2	40075.4	27768.3	26034.7
69°	3496.1	3467.2	3639.0	4284.3	4611.7	7701.7	28341.4	41784.9	41813.8	29150.4	26156.7
70°	3146.2	3165.4	3335.6	4056.3	4510.6	6045.2	25131.0	41465.5	41693.4	29667.3	25424.7
72.5°	2101.2	2152.6	2494.5	3367.7	4337.2	4574.8	15173.9	35582.4	36458.9	28503.5	21813.0
75°	1184.6	1223.2	1629.3	2539.4	4086.8	4356.5	8014.8	26214.5	27062.0	23835.6	16820.9
77.5°	581.1	601.9	921.4	1638.9	3417.5	4151.0	4545.9	17806.5	18774.4	15557.6	9514.0
80°	245.6	256.8	460.7	1011.3	2443.1	3961.6	3375.7	10958.7	11079.1	6094.9	2534.6
82.5°	94.7	97.9	194.2	630.8	1552.2	3088.4	2823.5	5196.0	5070.8	1147.7	577.9
85°	11.2	12.8	70.6	378.8	863.6	1589.1	2293.8	2239.3	2072.3	227.9	297.0
87.5°	0.0	0.0	4.8	115.6	256.8	744.8	1192.7	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°	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2	9586.2
2.5°	9562.2	9546.1	9459.4	9334.2	9215.4	9067.8	8926.5	8841.4	8774.0	8729.1	8782.0
5°	9587.8	9517.2	9254.0	8916.9	8586.2	8213.8	7867.1	7573.3	7457.7	7329.3	7387.1
7.5°	9579.8	9446.6	8973.1	8372.7	7765.9	7138.3	6544.4	6086.9	5849.3	5616.6	5676.0
10°	9539.7	9315.0	8597.4	7708.2	6799.6	5897.5	5054.8	4414.3	4056.3	3732.1	3778.6
12.5°	9451.4	9138.4	8154.4	6947.3	5732.2	4542.7	3555.5	2735.3	2295.4	2101.2	2125.3
15°	9398.4	8966.6	7685.7	6176.8	4592.5	3163.8	2173.4	1616.4	1415.8	1351.6	1359.6
17.5°	9372.7	8801.3	7200.9	5295.5	3427.1	2014.5	1404.5	1239.2	1195.9	1184.6	1187.8
20°	9347.1	8634.4	6701.7	4423.9	2361.2	1354.8	1154.1	1106.0	1089.9	1075.5	1078.7
22.5°	9303.7	8473.8	6165.6	3541.1	1592.4	1099.6	1040.2	993.6	959.9	942.3	945.5
25°	9250.8	8305.3	5618.2	2637.3	1162.2	980.8	924.6	858.8	818.7	786.5	788.2
27.5°	9165.7	8098.2	5053.2	1919.8	976.0	878.0	802.6	730.4	662.9	626.0	626.0
30°	9046.9	7863.9	4425.5	1374.0	874.8	776.9	685.4	595.5	523.3	489.6	486.4
32.5°	8915.3	7619.9	3791.5	1041.8	794.6	682.2	577.9	483.2	419.0	391.7	390.1
35°	8802.9	7356.6	3159.0	873.2	714.3	590.7	476.7	396.5	345.1	322.6	321.0
37.5°	8730.7	7093.4	2542.6	780.1	642.1	505.6	399.7	327.5	290.5	272.9	271.3
40°	8719.4	6897.5	1979.2	709.5	574.7	430.2	333.9	277.7	244.0	224.7	223.1
42.5°	8865.5	6785.2	1518.5	650.1	505.6	364.4	284.1	237.6	202.3	183.0	181.4
45°	9249.1	6820.5	1168.6	597.1	436.6	308.2	240.8	197.4	165.3	150.9	147.7
47.5°	9949.0	7064.5	929.4	544.2	370.8	261.6	205.5	163.7	136.4	122.0	120.4
50°	11194.6	7637.5	776.9	486.4	309.8	223.1	170.2	133.2	110.8	97.9	96.3
52.5°	12848.0	8658.4	693.4	430.2	256.8	189.4	139.7	105.9	86.7	77.0	75.4
55°	14671.5	9894.4	638.9	369.2	210.3	157.3	110.8	83.5	67.4	59.4	56.2
57.5°	16451.7	10965.1	587.5	309.8	175.0	128.4	88.3	65.8	53.0	44.9	43.3
60°	18087.4	11949.1	528.1	248.8	142.9	101.1	69.0	51.4	41.7	33.7	33.7
62.5°	19838.6	12710.0	446.2	194.2	117.2	77.0	56.2	46.6	33.7	28.9	27.3
65°	21694.2	13275.0	349.9	150.9	91.5	57.8	46.6	48.2	27.3	20.9	19.3
67.5°	23065.1	13162.6	258.4	118.8	70.6	44.9	44.9	51.4	24.1	16.1	14.4
69°	22763.3	12249.3	216.7	102.7	61.0	38.5	41.7	51.4	22.5	14.4	12.8
70°	21888.5	11238.0	191.0	91.5	54.6	35.3	40.1	49.8	20.9	14.4	12.8
72.5°	18228.6	8464.2	149.3	69.0	43.3	28.9	33.7	43.3	20.9	14.4	11.2
75°	13711.6	5417.5	114.0	49.8	32.1	22.5	25.7	32.1	20.9	12.8	11.2
77.5°	7461.0	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)