

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: P323151

Luminaire Tested: **GAN-SA7A-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323151
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-SA7A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 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: 24864 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

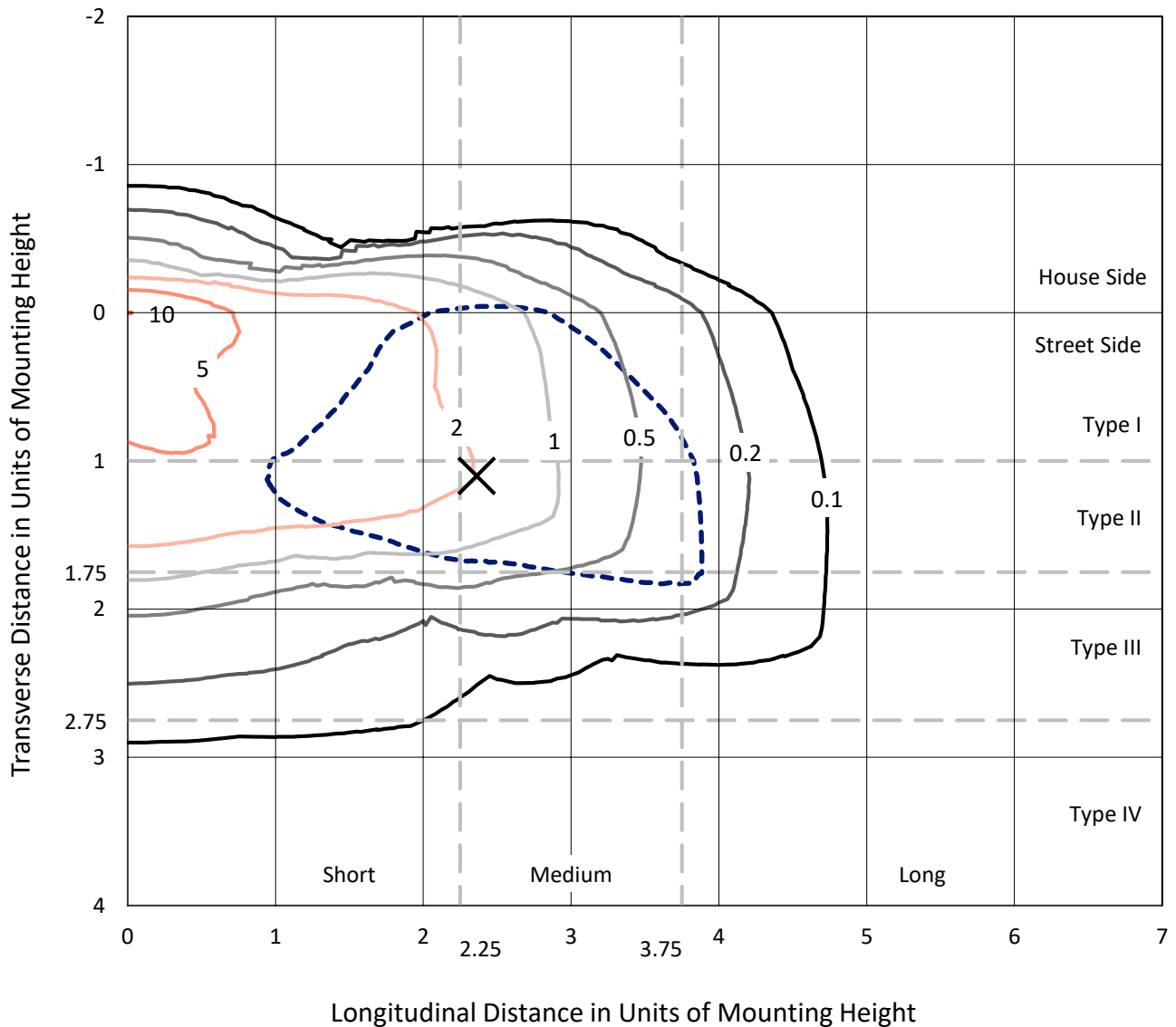
Input Watts (W): 226
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

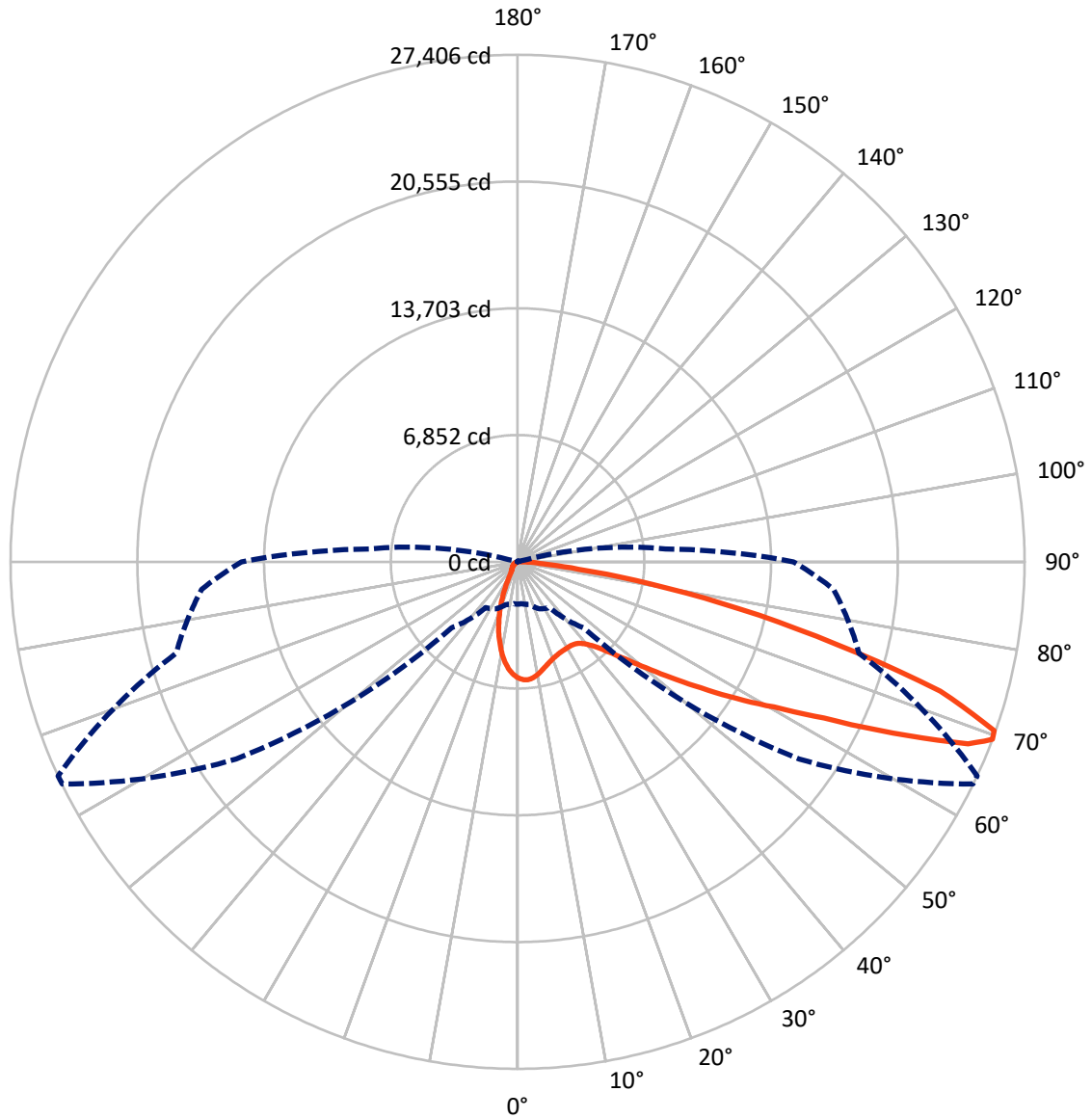
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	2930.9	0.0	2930.9
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	21933.1	0.0	21933.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	24864.0	0.0	24864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	525.4	2.1
10°-20°	1150.1	4.6
20°-30°	1593.0	6.4
30°-40°	2221.1	8.9
40°-50°	3452.3	13.9
50°-60°	5542.4	22.3
60°-70°	6269.3	25.2
70°-80°	3682.0	14.8
80°-90°	428.3	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°	24864.0	100.0
0°-180°	24864.0	100.0

Coefficient of Utilization

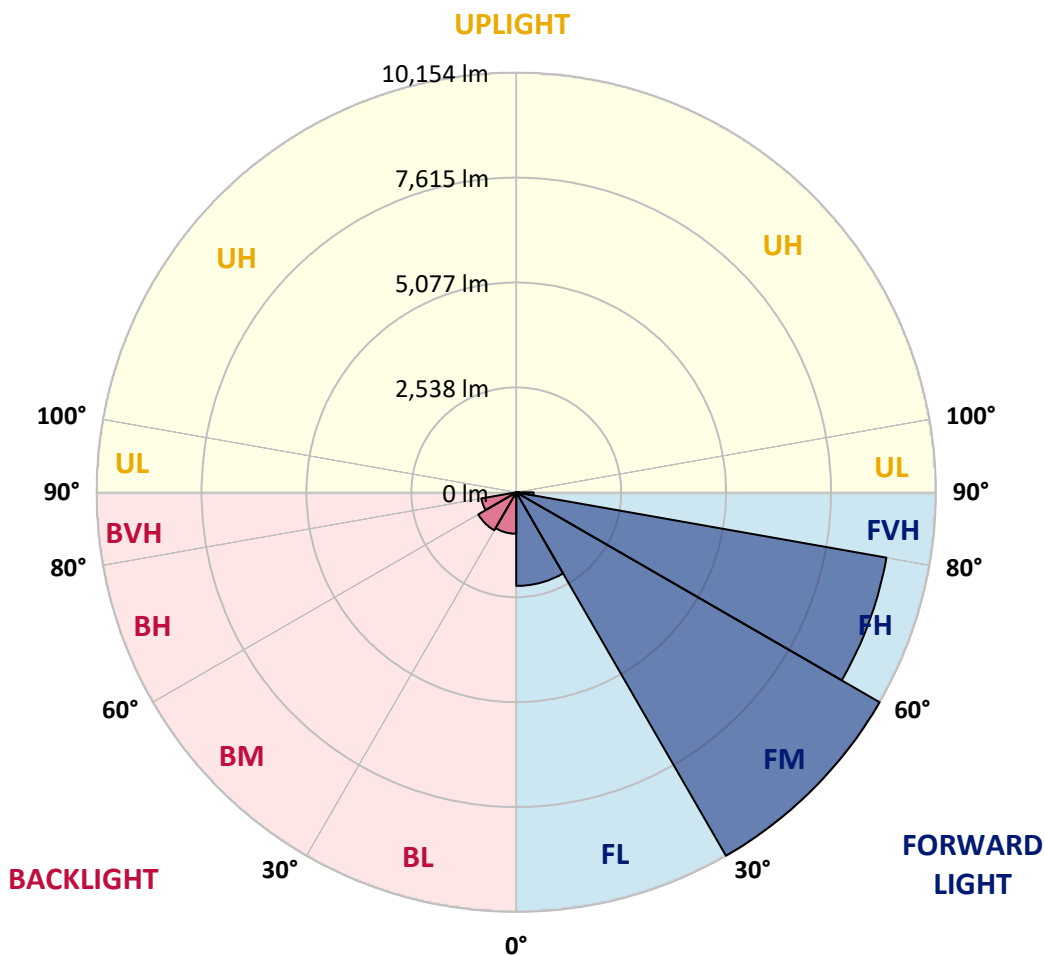


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2265.7	9.1			
FM (30°-60°)	10153.7	40.8			
FH (60°-80°)	9095.0	36.6			G4/12000
FVH (80°-90°)	418.7	1.7			G3/500
BL (0°-30°)	1002.8	4.0	B3/2500		
BM (30°-60°)	1062.1	4.3	B2/2500		
BH (60°-80°)	856.3	3.4	B2/1000		G2/1000
BVH (80°-90°)	9.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2
2.5°	6338.9	6323.2	6335.8	6363.1	6376.8	6376.8	6387.3	6374.7	6378.9	6348.4	6304.2
5°	5942.3	5918.1	5952.8	6029.6	6124.3	6205.3	6325.3	6388.4	6394.7	6395.8	6344.2
7.5°	5515.1	5493.0	5544.6	5635.1	5757.1	5907.6	6116.9	6300.0	6310.5	6409.4	6371.6
10°	5167.9	5152.2	5212.1	5308.9	5452.0	5620.3	5877.1	6131.7	6162.2	6381.0	6367.3
12.5°	4892.3	4879.7	4936.5	5048.0	5194.2	5380.5	5648.8	5944.4	5985.4	6316.8	6346.3
15°	4691.3	4689.2	4736.6	4843.9	5005.9	5179.5	5454.1	5770.8	5818.1	6247.4	6343.1
17.5°	4586.1	4589.3	4624.0	4715.5	4854.4	5027.0	5290.0	5624.6	5676.1	6185.3	6358.9
20°	4575.6	4578.8	4597.7	4649.3	4761.8	4914.4	5156.4	5501.5	5555.1	6139.0	6384.2
22.5°	4668.2	4666.1	4671.4	4666.1	4729.2	4844.9	5068.0	5406.8	5468.8	6108.5	6404.2
25°	4846.0	4842.8	4840.7	4801.8	4759.7	4821.8	5031.2	5353.1	5412.0	6086.4	6415.7
27.5°	5093.2	5091.1	5088.0	5023.8	4897.6	4858.6	5035.4	5333.1	5382.6	6068.5	6413.6
30°	5418.3	5433.1	5428.9	5339.4	5142.7	4971.2	5079.6	5322.6	5365.7	6033.8	6391.5
32.5°	5800.3	5829.7	5852.9	5757.1	5510.9	5194.2	5181.6	5334.2	5365.7	6007.5	6351.6
35°	6196.9	6234.8	6320.0	6286.3	5962.3	5529.9	5357.3	5403.6	5429.9	6022.3	6332.6
37.5°	6587.2	6632.5	6817.6	6915.5	6553.6	5973.9	5630.9	5575.1	5588.8	6111.7	6353.7
40°	7040.7	7109.1	7390.0	7547.8	7259.5	6568.3	6040.1	5869.7	5875.0	6308.4	6451.5
42.5°	7636.2	7706.7	8010.7	8258.0	8054.9	7319.5	6595.7	6320.0	6314.7	6676.7	6681.9
45°	8362.1	8435.8	8750.4	9025.0	8933.4	8209.6	7306.9	6977.6	6971.3	7257.4	7118.5
47.5°	9184.9	9257.5	9538.4	9821.4	9920.3	9249.1	8212.7	7875.0	7860.3	8064.4	7792.9
50°	9890.8	9938.2	10197.0	10577.9	11024.0	10526.3	9339.5	9014.4	8998.7	9136.5	8783.0
52.5°	10147.6	10174.9	10437.9	10971.4	12084.5	12256.0	10819.9	10401.1	10389.5	10449.5	10101.3
55°	9627.8	9677.3	10000.3	10791.5	12658.9	14210.8	12688.4	12118.2	12030.8	11901.4	11479.5
57.5°	8211.7	8290.6	8637.8	9689.9	12390.7	15761.6	15434.4	14060.3	13932.0	13140.8	12600.0
60°	6152.7	6249.5	6537.8	7673.0	10958.7	16314.0	18435.0	16224.5	15935.2	14127.7	13630.0
62.5°	4222.1	4270.5	4466.2	5205.8	8070.7	15409.1	20945.3	19123.1	18594.9	15200.8	14744.2
65°	3224.7	3241.5	3321.5	3576.1	4806.0	12516.9	21943.8	22947.5	22308.9	16484.4	15900.5
67.5°	2598.7	2585.0	2695.5	3059.5	3218.4	7636.2	20779.1	26565.7	26266.9	18200.4	17064.1
69°	2291.5	2272.5	2385.1	2808.1	3022.7	5048.0	18576.0	27387.4	27406.3	19106.2	17144.1
70°	2062.1	2074.8	2186.3	2658.7	2956.4	3962.2	16471.8	27178.0	27327.4	19445.0	16664.3
72.5°	1377.2	1410.9	1635.0	2207.3	2842.8	2998.5	9945.6	23322.0	23896.5	18682.2	14297.1
75°	776.5	801.7	1067.9	1664.4	2678.7	2855.4	5253.2	17181.9	17737.5	15622.7	11025.0
77.5°	380.9	394.5	603.9	1074.2	2239.9	2720.7	2979.6	11671.0	12305.4	10197.0	6235.8
80°	161.0	168.3	302.0	662.8	1601.3	2596.6	2212.6	7182.7	7261.6	3994.8	1661.3
82.5°	62.1	64.2	127.3	413.5	1017.4	2024.3	1850.7	3405.7	3323.6	752.3	378.8
85°	7.4	8.4	46.3	248.3	566.0	1041.6	1503.5	1467.7	1358.3	149.4	194.6
87.5°	0.0	0.0	3.2	75.8	168.3	488.2	781.7	609.2	549.2	48.4	101.0
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°	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2	6283.2
2.5°	6267.4	6256.9	6200.1	6118.0	6040.1	5943.3	5850.8	5795.0	5750.8	5721.4	5756.1
5°	6284.2	6237.9	6065.4	5844.4	5627.7	5383.6	5156.4	4963.8	4888.1	4803.9	4841.8
7.5°	6279.0	6191.6	5881.3	5487.8	5090.1	4678.7	4289.4	3989.6	3833.9	3681.3	3720.2
10°	6252.7	6105.4	5635.1	5052.2	4456.7	3865.4	3313.1	2893.3	2658.7	2446.1	2476.7
12.5°	6194.8	5989.6	5344.7	4553.5	3757.1	2977.5	2330.4	1792.8	1504.5	1377.2	1393.0
15°	6160.1	5877.1	5037.5	4048.5	3010.1	2073.7	1424.6	1059.5	928.0	885.9	891.1
17.5°	6143.2	5768.7	4719.7	3470.9	2246.2	1320.4	920.6	812.2	783.8	776.5	778.6
20°	6126.4	5659.3	4392.5	2899.6	1547.6	888.0	756.5	724.9	714.4	704.9	707.0
22.5°	6098.0	5554.1	4041.1	2320.9	1043.7	720.7	681.8	651.3	629.2	617.6	619.7
25°	6063.3	5443.6	3682.4	1728.6	761.7	642.8	606.0	562.9	536.6	515.5	516.6
27.5°	6007.5	5307.9	3312.0	1258.3	639.7	575.5	526.1	478.7	434.5	410.3	410.3
30°	5929.7	5154.3	2900.7	900.6	573.4	509.2	449.2	390.3	343.0	320.9	318.8
32.5°	5843.4	4994.3	2485.1	682.8	520.8	447.1	378.8	316.7	274.6	256.7	255.7
35°	5769.7	4821.8	2070.5	572.3	468.2	387.2	312.5	259.9	226.2	211.5	210.4
37.5°	5722.4	4649.3	1666.5	511.3	420.8	331.4	262.0	214.6	190.4	178.9	177.8
40°	5715.0	4520.9	1297.2	465.0	376.7	282.0	218.8	182.0	159.9	147.3	146.2
42.5°	5810.8	4447.3	995.3	426.1	331.4	238.8	186.2	155.7	132.6	119.9	118.9
45°	6062.2	4470.4	765.9	391.4	286.2	202.0	157.8	129.4	108.4	98.9	96.8
47.5°	6521.0	4630.3	609.2	356.7	243.0	171.5	134.7	107.3	89.4	80.0	78.9
50°	7337.4	5005.9	509.2	318.8	203.1	146.2	111.5	87.3	72.6	64.2	63.1
52.5°	8421.1	5675.1	454.5	282.0	168.3	124.1	91.5	69.4	56.8	50.5	49.4
55°	9616.2	6485.2	418.7	242.0	137.8	103.1	72.6	54.7	44.2	38.9	36.8
57.5°	10783.0	7186.9	385.1	203.1	114.7	84.2	57.9	43.1	34.7	29.5	28.4
60°	11855.1	7831.9	346.1	163.1	93.6	66.3	45.2	33.7	27.4	22.1	22.1
62.5°	13003.0	8330.6	292.5	127.3	76.8	50.5	36.8	30.5	22.1	18.9	17.9
65°	14219.2	8700.9	229.4	98.9	60.0	37.9	30.5	31.6	17.9	13.7	12.6
67.5°	15117.7	8627.3	169.4	77.9	46.3	29.5	29.5	33.7	15.8	10.5	9.5
69°	14919.9	8028.6	142.0	67.3	40.0	25.3	27.4	33.7	14.7	9.5	8.4
70°	14346.5	7365.8	125.2	60.0	35.8	23.1	26.3	32.6	13.7	9.5	8.4
72.5°	11947.7	5547.8	97.8	45.2	28.4	18.9	22.1	28.4	13.7	9.5	7.4
75°	8987.1	3550.9	74.7	32.6	21.0	14.7	16.8	21.0	13.7	8.4	7.4
77.5°	4890.2	1280.4	53.7	22.1	14.7	11.6	11.6	15.8	12.6	6.3	4.2
80°	1257.3	321.9	33.7	14.7	11.6	8.4	7.4	10.5	7.4	1.1	0.0
82.5°	310.4	72.6	17.9	10.5	8.4	3.2	3.2	5.3	3.2	0.0	0.0
85°	170.4	35.8	11.6	7.4	4.2	0.0	0.0	1.1	0.0	0.0	0.0
87.5°	87.3	10.5	3.2	2.1	1.1	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)