

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: P323234

Luminaire Tested: **GAN-SA0A-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323234
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-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 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: 38206 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

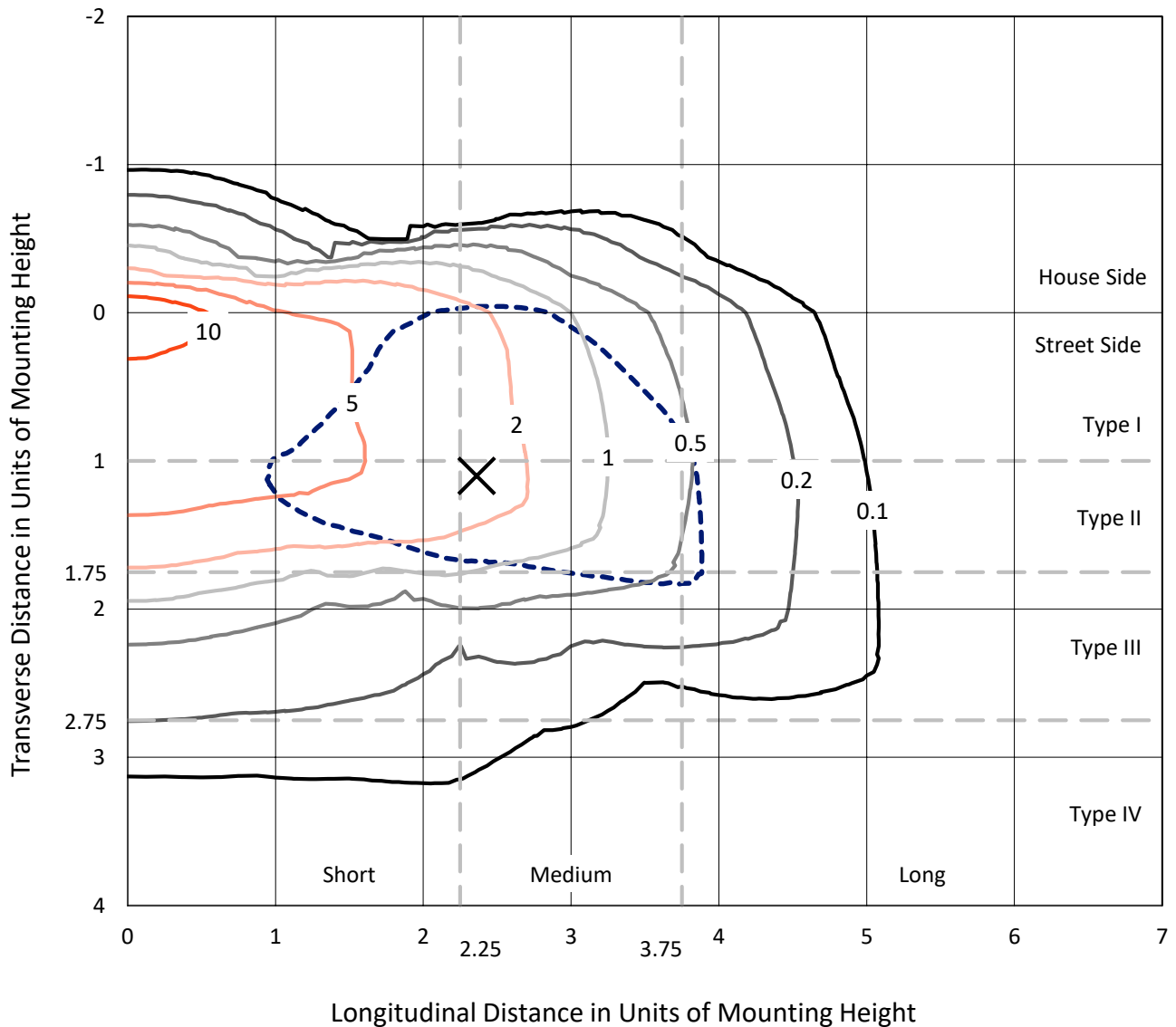
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

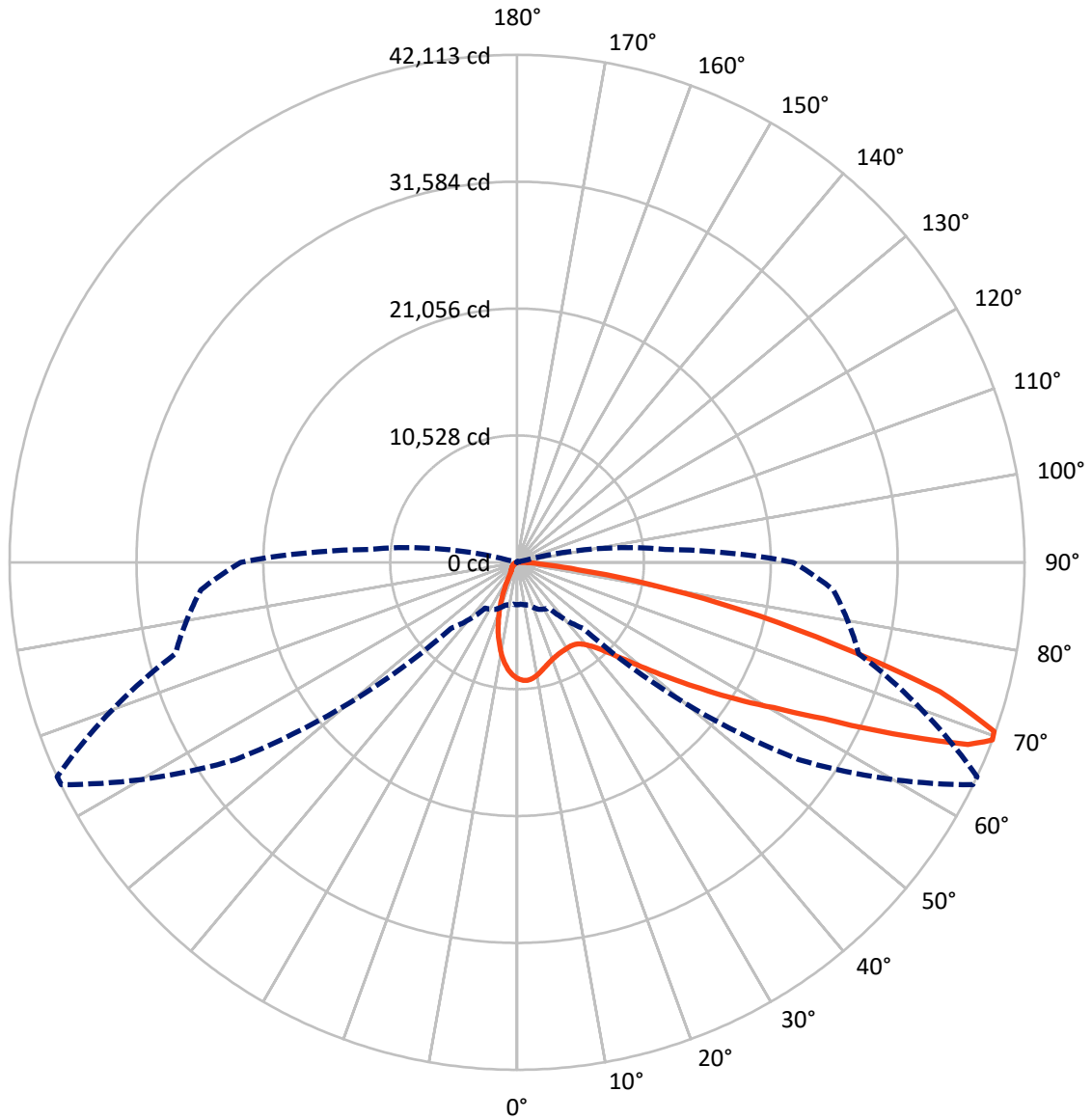
✕ Max cd
 - - - 1/2 Max cd



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	4503.6	0.0	4503.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	33702.4	0.0	33702.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	38206.0	0.0	38206.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.3	2.1
10°-20°	1767.3	4.6
20°-30°	2447.8	6.4
30°-40°	3413.0	8.9
40°-50°	5304.9	13.9
50°-60°	8516.4	22.3
60°-70°	9633.4	25.2
70°-80°	5657.8	14.8
80°-90°	658.1	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°	38206.0	100.0
0°-180°	38206.0	100.0

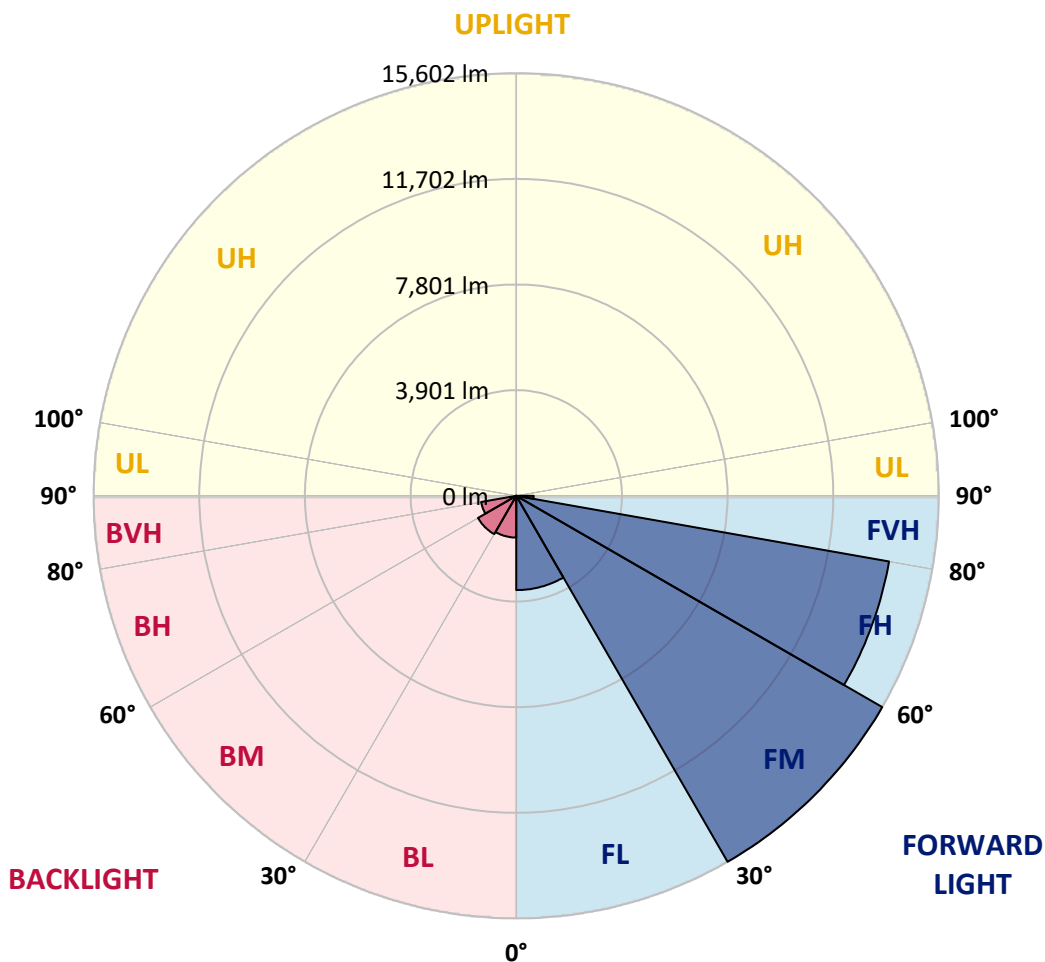


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3481.5	9.1			
FM (30°-60°)	15602.2	40.8			
FH (60°-80°)	13975.4	36.6			G5
FVH (80°-90°)	643.3	1.7			G4/750
BL (0°-30°)	1540.9	4.0	B3/2500		
BM (30°-60°)	1632.0	4.3	B2/2500		
BH (60°-80°)	1315.8	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°	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7
2.5°	9740.4	9716.2	9735.6	9777.6	9798.6	9798.6	9814.8	9795.4	9801.8	9755.0	9687.1
5°	9130.9	9093.7	9147.1	9265.1	9410.6	9535.1	9719.4	9816.4	9826.1	9827.7	9748.5
7.5°	8474.6	8440.6	8519.8	8658.9	8846.4	9077.6	9399.3	9680.6	9696.8	9848.7	9790.5
10°	7941.1	7916.8	8009.0	8157.7	8377.6	8636.2	9030.7	9421.9	9468.8	9805.1	9784.1
12.5°	7517.5	7498.1	7585.4	7756.8	7981.5	8267.6	8679.9	9134.2	9197.2	9706.5	9751.7
15°	7208.7	7205.5	7278.2	7443.1	7692.1	7958.8	8380.8	8867.4	8940.2	9599.8	9746.9
17.5°	7047.0	7051.9	7105.2	7245.9	7459.3	7724.4	8128.6	8642.7	8721.9	9504.4	9771.1
20°	7030.9	7035.7	7064.8	7144.0	7317.0	7551.4	7923.3	8453.5	8536.0	9433.2	9809.9
22.5°	7173.1	7169.9	7178.0	7169.9	7266.9	7444.7	7787.5	8308.0	8403.4	9386.4	9840.6
25°	7446.4	7441.5	7438.3	7378.5	7313.8	7409.2	7730.9	8225.6	8316.1	9352.4	9858.4
27.5°	7826.3	7823.0	7818.2	7719.6	7525.6	7465.8	7737.4	8194.9	8270.9	9324.9	9855.2
30°	8325.8	8348.5	8342.0	8204.6	7902.3	7638.7	7805.3	8178.7	8245.0	9271.6	9821.2
32.5°	8912.7	8957.9	8993.5	8846.4	8468.1	7981.5	7962.1	8196.5	8245.0	9231.2	9759.8
35°	9522.2	9580.4	9711.3	9659.6	9161.6	8497.2	8232.1	8303.2	8343.6	9253.8	9730.7
37.5°	10121.9	10191.5	10476.0	10626.3	10070.2	9179.4	8652.4	8566.7	8587.7	9391.2	9763.0
40°	10818.7	10923.8	11355.5	11598.0	11155.0	10092.8	9281.3	9019.4	9027.5	9693.5	9913.4
42.5°	11733.8	11842.1	12309.3	12689.2	12377.2	11247.1	10134.9	9711.3	9703.2	10259.4	10267.4
45°	12849.3	12962.4	13445.8	13867.8	13727.1	12614.8	11227.7	10721.7	10712.0	11151.8	10938.4
47.5°	14113.5	14225.0	14656.7	15091.6	15243.5	14212.1	12619.7	12100.7	12078.1	12391.7	11974.6
50°	15198.3	15271.0	15668.7	16253.9	16939.4	16174.7	14351.1	13851.6	13827.3	14039.1	13495.9
52.5°	15592.7	15634.8	16038.9	16858.6	18569.0	18832.5	16625.8	15982.3	15964.6	16056.7	15521.6
55°	14794.1	14870.1	15366.4	16582.1	19451.7	21836.3	19497.0	18620.7	18486.6	18287.7	17639.4
57.5°	12618.1	12739.3	13272.8	14889.5	19039.5	24219.3	23716.5	21605.1	21407.9	20192.1	19361.2
60°	9454.3	9603.0	10046.0	11790.3	16839.2	25068.0	28327.2	24930.6	24486.0	21708.6	20943.9
62.5°	6487.7	6562.0	6862.7	7999.3	12401.4	23677.7	32184.6	29384.5	28572.9	23357.6	22655.9
65°	4955.1	4980.9	5103.8	5495.0	7384.9	19233.5	33718.8	35261.1	34279.8	25329.9	24432.7
67.5°	3993.2	3972.1	4141.9	4701.3	4945.4	11733.8	31929.1	40820.8	40361.7	27966.7	26220.7
69°	3521.1	3492.0	3665.0	4314.9	4644.7	7756.8	28543.8	42083.4	42112.5	29358.6	26343.6
70°	3168.7	3188.1	3359.4	4085.3	4542.8	6088.4	25310.5	41761.7	41991.3	29879.2	25606.4
72.5°	2116.2	2167.9	2512.3	3391.8	4368.2	4607.5	15282.3	35836.6	36719.3	28707.1	21968.9
75°	1193.1	1231.9	1640.9	2557.6	4116.0	4387.6	8072.0	26401.8	27255.4	24005.9	16941.0
77.5°	585.2	606.2	928.0	1650.6	3441.9	4180.7	4578.4	17933.7	18908.5	15668.7	9582.0
80°	247.3	258.7	464.0	1018.5	2460.6	3989.9	3399.8	11037.0	11158.2	6138.5	2552.7
82.5°	95.4	98.6	195.6	635.3	1563.3	3110.5	2843.7	5233.1	5107.0	1155.9	582.0
85°	11.3	12.9	71.1	381.5	869.8	1600.5	2310.2	2255.2	2087.1	229.6	299.1
87.5°	0.0	0.0	4.8	116.4	258.7	750.1	1201.2	936.0	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°	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7	9654.7
2.5°	9630.5	9614.3	9527.0	9400.9	9281.3	9132.5	8990.3	8904.6	8836.7	8791.4	8844.8
5°	9656.3	9585.2	9320.1	8980.6	8647.5	8272.5	7923.3	7627.4	7511.0	7381.7	7439.9
7.5°	9648.3	9514.1	9037.2	8432.5	7821.4	7189.3	6591.1	6130.4	5891.1	5656.7	5716.5
10°	9607.8	9381.5	8658.9	7763.2	6848.2	5939.6	5090.9	4445.8	4085.3	3758.7	3805.6
12.5°	9518.9	9203.7	8212.7	6996.9	5773.1	4575.2	3580.9	2754.8	2311.8	2116.2	2140.5
15°	9465.6	9030.7	7740.6	6220.9	4625.3	3186.4	2189.0	1628.0	1425.9	1361.2	1369.3
17.5°	9439.7	8864.2	7252.4	5333.4	3451.6	2028.9	1414.6	1248.1	1204.4	1193.1	1196.3
20°	9413.8	8696.0	6749.6	4455.5	2378.1	1364.5	1162.4	1113.9	1097.7	1083.2	1086.4
22.5°	9370.2	8534.4	6209.6	3566.4	1603.7	1107.4	1047.6	1000.7	966.8	949.0	952.2
25°	9316.8	8364.6	5658.3	2656.2	1170.5	987.8	931.2	864.9	824.5	792.2	793.8
27.5°	9231.2	8156.1	5089.3	1933.5	982.9	884.3	808.3	735.6	667.7	630.5	630.5
30°	9111.5	7920.0	4457.1	1383.9	881.1	782.5	690.3	599.8	527.0	493.1	489.8
32.5°	8979.0	7674.3	3818.6	1049.2	800.2	687.1	582.0	486.6	421.9	394.5	392.8
35°	8865.8	7409.2	3181.6	879.5	719.4	594.9	480.1	399.3	347.6	324.9	323.3
37.5°	8793.0	7144.0	2560.8	785.7	646.7	509.2	402.5	329.8	292.6	274.8	273.2
40°	8781.7	6946.8	1993.3	714.6	578.8	433.3	336.3	279.7	245.7	226.3	224.7
42.5°	8928.8	6833.6	1529.4	654.7	509.2	367.0	286.1	239.3	203.7	184.3	182.7
45°	9315.2	6869.2	1176.9	601.4	439.7	310.4	242.5	198.8	166.5	152.0	148.7
47.5°	10020.1	7114.9	936.0	548.0	373.4	263.5	206.9	164.9	137.4	122.9	121.2
50°	11274.6	7692.1	782.5	489.8	312.0	224.7	171.4	134.2	111.5	98.6	97.0
52.5°	12939.8	8720.3	698.4	433.3	258.7	190.8	140.6	106.7	87.3	77.6	76.0
55°	14776.3	9965.1	643.4	371.8	211.8	158.4	111.5	84.1	67.9	59.8	56.6
57.5°	16569.2	11043.4	591.7	312.0	176.2	129.3	88.9	66.3	53.3	45.3	43.6
60°	18216.6	12034.5	531.9	250.6	143.9	101.8	69.5	51.7	42.0	33.9	33.9
62.5°	19980.4	12800.8	449.4	195.6	118.0	77.6	56.6	46.9	33.9	29.1	27.5
65°	21849.2	13369.8	352.4	152.0	92.1	58.2	46.9	48.5	27.5	21.0	19.4
67.5°	23229.9	13256.7	260.3	119.6	71.1	45.3	45.3	51.7	24.2	16.2	14.5
69°	22925.9	12336.8	218.2	103.5	61.4	38.8	42.0	51.7	22.6	14.5	12.9
70°	22044.8	11318.3	192.4	92.1	55.0	35.6	40.4	50.1	21.0	14.5	12.9
72.5°	18358.8	8524.7	150.3	69.5	43.6	29.1	33.9	43.6	21.0	14.5	11.3
75°	13809.6	5456.2	114.8	50.1	32.3	22.6	25.9	32.3	21.0	12.9	11.3
77.5°	7514.3	1967.5	82.4	33.9	22.6	17.8	17.8	24.2	19.4	9.7	6.5
80°	1931.9	494.7	51.7	22.6	17.8	12.9	11.3	16.2	11.3	1.6	0.0
82.5°	476.9	111.5	27.5	16.2	12.9	4.8	4.8	8.1	4.8	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	4.8	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)