

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: P383276

Luminaire Tested: **GAN-SA6A-735-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383276
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-SA6A-735-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 21506.6 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

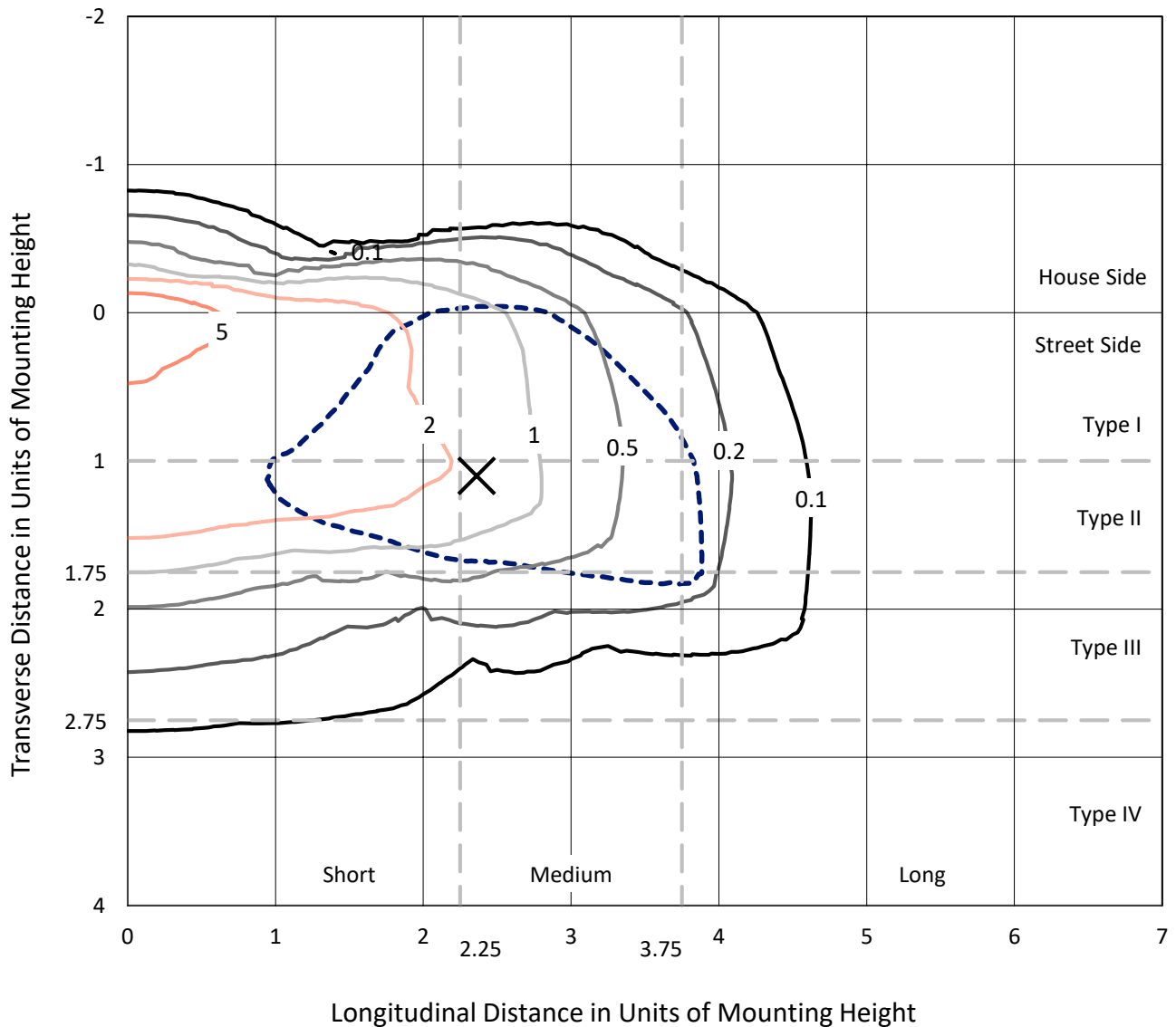
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

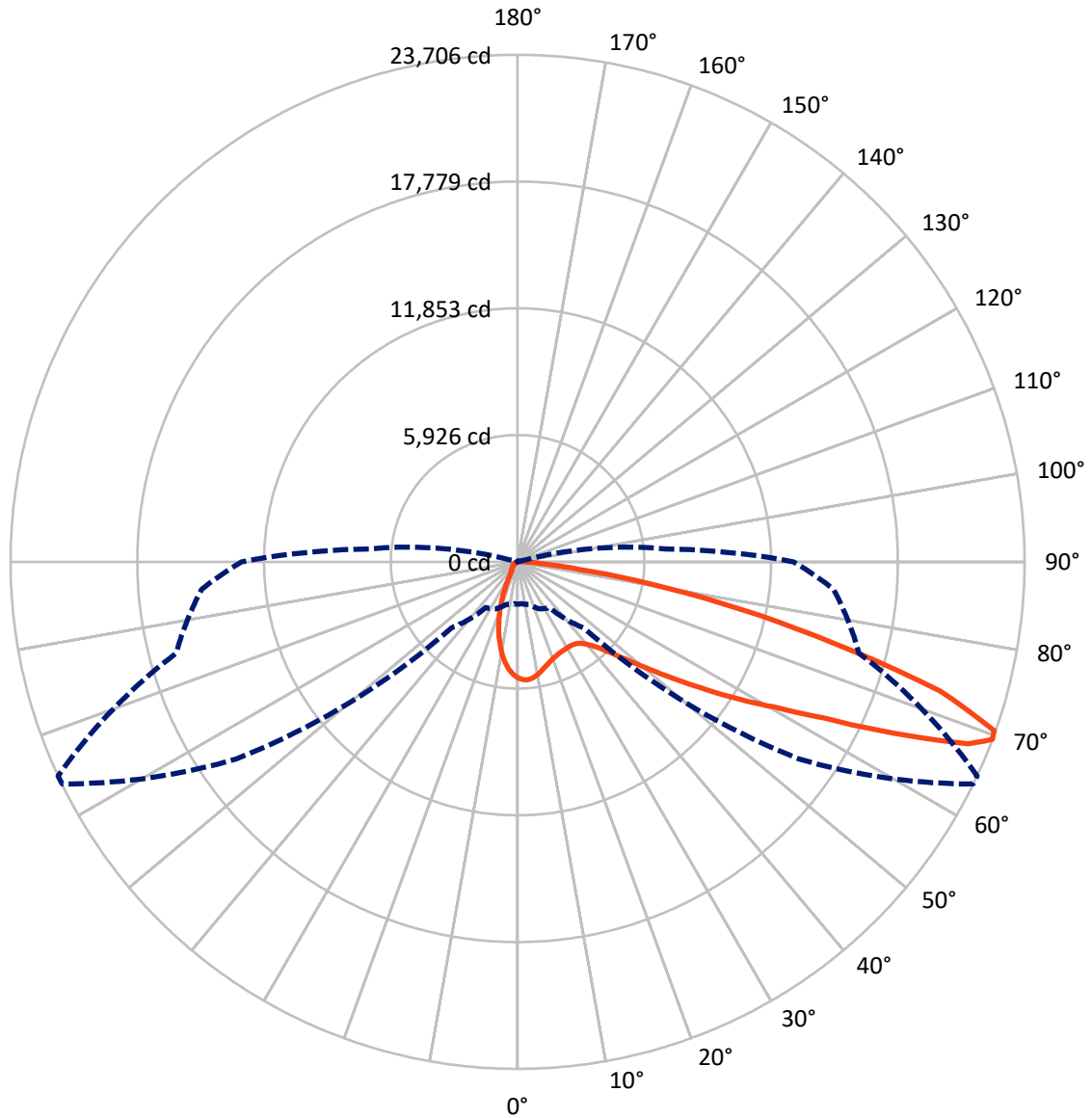
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	2535.1	0.0	2535.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	18971.5	0.0	18971.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	21506.6	0.0	21506.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.5	2.1
10°-20°	994.8	4.6
20°-30°	1377.9	6.4
30°-40°	1921.2	8.9
40°-50°	2986.2	13.9
50°-60°	4794.0	22.3
60°-70°	5422.8	25.2
70°-80°	3184.8	14.8
80°-90°	370.5	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°	21506.6	100.0
0°-180°	21506.6	100.0

Coefficient of Utilization

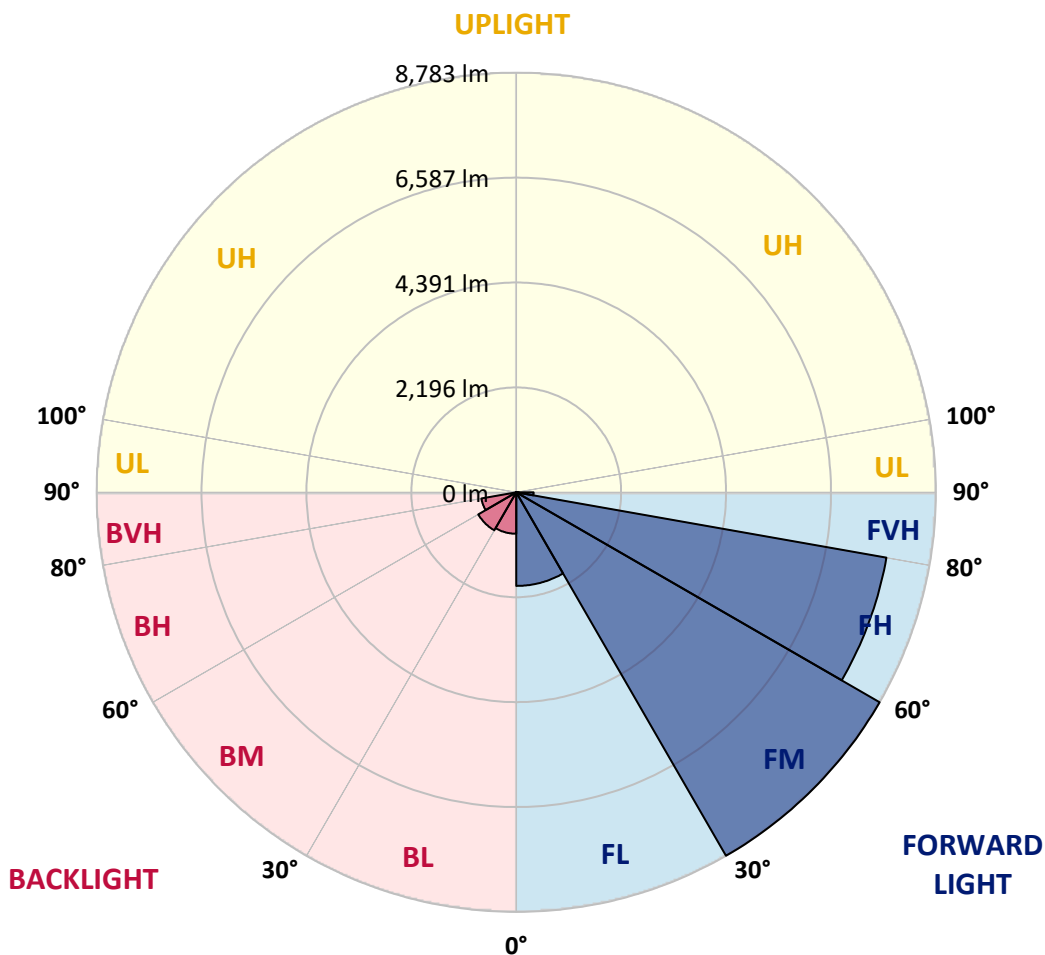


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1959.8	9.1			
FM (30°-60°)	8782.7	40.8			
FH (60°-80°)	7866.9	36.6			G4/12000
FVH (80°-90°)	362.1	1.7			G3/500
BL (0°-30°)	867.4	4.0	B2/1000		
BM (30°-60°)	918.7	4.3	B1/1000		
BH (60°-80°)	740.7	3.4	B2/1000		G2/1000
BVH (80°-90°)	8.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7
2.5°	5483.0	5469.3	5480.3	5504.0	5515.8	5515.8	5524.8	5513.9	5517.6	5491.2	5453.0
5°	5139.9	5118.9	5149.0	5215.5	5297.3	5367.4	5471.2	5525.8	5531.3	5532.2	5487.6
7.5°	4770.5	4751.4	4795.9	4874.1	4979.8	5109.9	5291.0	5449.4	5458.4	5544.0	5511.2
10°	4470.1	4456.4	4508.3	4592.1	4715.9	4861.5	5083.5	5303.7	5330.1	5519.4	5507.6
12.5°	4231.6	4220.7	4269.9	4366.3	4492.9	4653.9	4886.0	5141.8	5177.3	5463.9	5489.3
15°	4057.9	4056.1	4097.0	4189.8	4330.0	4480.1	4717.6	4991.6	5032.5	5403.8	5486.6
17.5°	3966.9	3969.6	3999.6	4078.8	4199.0	4348.2	4575.7	4865.1	4909.6	5350.2	5500.3
20°	3957.8	3960.5	3976.9	4021.5	4118.8	4250.8	4460.2	4758.6	4805.0	5310.1	5522.1
22.5°	4037.9	4036.0	4040.6	4036.0	4090.6	4190.8	4383.7	4676.7	4730.4	5283.7	5539.4
25°	4191.7	4188.9	4187.1	4153.4	4117.1	4170.7	4351.8	4630.3	4681.2	5264.5	5549.4
27.5°	4405.5	4403.7	4401.0	4345.5	4236.2	4202.6	4355.5	4613.0	4655.8	5249.1	5547.6
30°	4686.7	4699.5	4695.8	4618.4	4448.3	4299.9	4393.6	4603.9	4641.2	5219.1	5528.5
32.5°	5017.0	5042.6	5062.6	4979.8	4766.8	4492.9	4482.0	4613.9	4641.2	5196.4	5493.9
35°	5360.1	5392.9	5466.6	5437.5	5157.2	4783.2	4633.9	4673.9	4696.7	5209.1	5477.5
37.5°	5697.8	5736.9	5897.1	5981.7	5668.7	5167.2	4870.5	4822.3	4834.2	5286.4	5495.8
40°	6090.0	6149.1	6392.1	6528.7	6279.3	5681.4	5224.6	5077.1	5081.7	5456.6	5580.3
42.5°	6605.0	6666.1	6929.0	7142.9	6967.2	6331.2	5705.1	5466.6	5462.0	5775.1	5779.7
45°	7233.0	7296.7	7568.8	7806.4	7727.2	7101.1	6320.3	6035.4	6029.9	6277.4	6157.3
47.5°	7944.7	8007.5	8250.4	8495.2	8580.8	8000.1	7103.8	6811.7	6798.9	6975.4	6740.7
50°	8555.3	8596.2	8820.1	9149.6	9535.4	9104.9	8078.5	7797.2	7783.5	7902.8	7597.1
52.5°	8777.3	8801.0	9028.6	9490.0	10452.7	10601.1	9358.9	8996.7	8986.6	9038.5	8737.3
55°	8327.8	8370.5	8650.0	9334.3	10949.6	12292.0	10975.1	10481.9	10406.3	10294.3	9929.5
57.5°	7102.9	7171.1	7471.5	8381.5	10717.5	13633.3	13350.3	12161.8	12050.8	11366.4	10898.6
60°	5321.9	5405.7	5655.0	6636.9	9479.0	14111.1	15945.8	14033.8	13783.5	12220.0	11789.6
62.5°	3652.0	3693.9	3863.1	4502.9	6980.9	13328.5	18117.1	16540.9	16084.1	13148.2	12753.4
65°	2789.2	2803.9	2873.0	3093.2	4157.0	10826.7	18980.7	19849.0	19296.5	14258.5	13753.5
67.5°	2247.8	2236.0	2331.6	2646.4	2783.8	6605.0	17973.3	22978.6	22720.1	15742.8	14760.0
69°	1982.1	1965.7	2063.1	2428.9	2614.6	4366.3	16067.7	23689.3	23705.7	16526.3	14829.1
70°	1783.6	1794.6	1891.0	2299.7	2557.2	3427.3	14247.6	23508.2	23637.4	16819.4	14414.1
72.5°	1191.3	1220.3	1414.2	1909.3	2458.9	2593.6	8602.7	20172.8	20669.7	16159.6	12366.6
75°	671.6	693.4	923.7	1439.7	2316.9	2469.8	4543.8	14861.9	15342.4	13513.2	9536.3
77.5°	329.4	341.2	522.3	929.1	1937.4	2353.4	2577.2	10095.1	10643.9	8820.1	5393.8
80°	139.3	145.6	261.2	573.4	1385.1	2246.0	1913.8	6212.9	6281.1	3455.4	1436.9
82.5°	53.7	55.5	110.1	357.6	880.0	1750.9	1600.8	2945.8	2874.8	650.7	327.6
85°	6.3	7.3	40.1	214.8	489.6	900.9	1300.4	1269.5	1174.9	129.2	168.3
87.5°	0.0	0.0	2.7	65.5	145.6	422.3	676.1	526.9	475.0	41.8	87.4
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°	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7	5434.7
2.5°	5421.1	5412.0	5362.8	5291.8	5224.6	5140.8	5060.7	5012.5	4974.3	4948.8	4978.8
5°	5435.7	5395.6	5246.4	5055.3	4867.8	4656.7	4460.2	4293.6	4228.0	4155.3	4188.1
7.5°	5431.1	5355.6	5087.1	4746.8	4402.8	4046.9	3710.3	3450.9	3316.2	3184.2	3217.9
10°	5408.4	5280.9	4874.1	4370.0	3854.9	3343.5	2865.7	2502.6	2299.7	2115.8	2142.3
12.5°	5358.4	5180.9	4623.0	3938.7	3249.8	2575.4	2015.8	1550.7	1301.4	1191.3	1204.9
15°	5328.3	5083.5	4357.3	3501.9	2603.6	1793.7	1232.2	916.5	802.6	766.3	770.8
17.5°	5313.7	4989.7	4082.4	3002.2	1942.9	1142.1	796.3	702.6	678.0	671.6	673.4
20°	5299.2	4895.1	3799.4	2508.1	1338.6	768.1	654.3	627.0	617.9	609.7	611.6
22.5°	5274.6	4804.1	3495.4	2007.6	902.8	623.4	589.7	563.3	544.2	534.1	536.0
25°	5244.6	4708.5	3185.1	1495.2	658.9	556.0	524.2	486.8	464.1	445.9	446.9
27.5°	5196.4	4591.1	2864.8	1088.4	553.3	497.8	455.1	414.1	375.9	354.9	354.9
30°	5129.0	4458.3	2508.9	779.0	496.0	440.4	388.5	337.6	296.7	277.6	275.7
32.5°	5054.4	4320.0	2149.5	590.6	450.5	386.8	327.6	274.0	237.5	222.1	221.1
35°	4990.7	4170.7	1791.0	495.0	404.9	334.9	270.2	224.8	195.6	183.0	182.0
37.5°	4949.7	4021.5	1441.5	442.3	364.0	286.6	226.6	185.7	164.7	154.7	153.8
40°	4943.4	3910.5	1122.0	402.2	325.8	243.9	189.3	157.4	138.3	127.4	126.5
42.5°	5026.2	3846.7	860.9	368.5	286.6	206.6	161.1	134.7	114.7	103.8	102.8
45°	5243.7	3866.8	662.5	338.5	247.5	174.8	136.5	112.0	93.7	85.5	83.7
47.5°	5640.4	4005.1	526.9	308.5	210.3	148.3	116.4	92.8	77.3	69.1	68.3
50°	6346.6	4330.0	440.4	275.7	175.6	126.5	96.5	75.5	62.8	55.5	54.6
52.5°	7284.0	4908.8	393.1	243.9	145.6	107.4	79.2	60.1	49.2	43.7	42.8
55°	8317.8	5609.5	362.2	209.3	119.2	89.1	62.8	47.3	38.2	33.6	31.9
57.5°	9327.0	6216.5	333.1	175.6	99.2	72.8	50.0	37.4	30.0	25.5	24.6
60°	10254.4	6774.3	299.4	141.0	81.0	57.3	39.1	29.2	23.7	19.1	19.1
62.5°	11247.2	7205.7	253.0	110.1	66.4	43.7	31.9	26.4	19.1	16.4	15.5
65°	12299.2	7526.1	198.4	85.5	51.9	32.8	26.4	27.3	15.5	11.8	10.9
67.5°	13076.4	7462.3	146.5	67.4	40.1	25.5	25.5	29.2	13.7	9.1	8.2
69°	12905.3	6944.5	122.9	58.2	34.6	21.8	23.7	29.2	12.8	8.2	7.3
70°	12409.3	6371.2	108.3	51.9	30.9	20.0	22.7	28.2	11.8	8.2	7.3
72.5°	10334.4	4798.7	84.7	39.1	24.6	16.4	19.1	24.6	11.8	8.2	6.3
75°	7773.6	3071.4	64.6	28.2	18.2	12.8	14.5	18.2	11.8	7.3	6.3
77.5°	4229.9	1107.5	46.4	19.1	12.8	10.0	10.0	13.7	10.9	5.5	3.6
80°	1087.5	278.4	29.2	12.8	10.0	7.3	6.3	9.1	6.3	0.9	0.0
82.5°	268.5	62.8	15.5	9.1	7.3	2.7	2.7	4.6	2.7	0.0	0.0
85°	147.5	30.9	10.0	6.3	3.6	0.0	0.0	0.9	0.0	0.0	0.0
87.5°	75.5	9.1	2.7	1.9	0.9	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)