

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: P636890

Luminaire Tested: **IFLD-S-SA3D-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636890
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (48) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10994 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G1

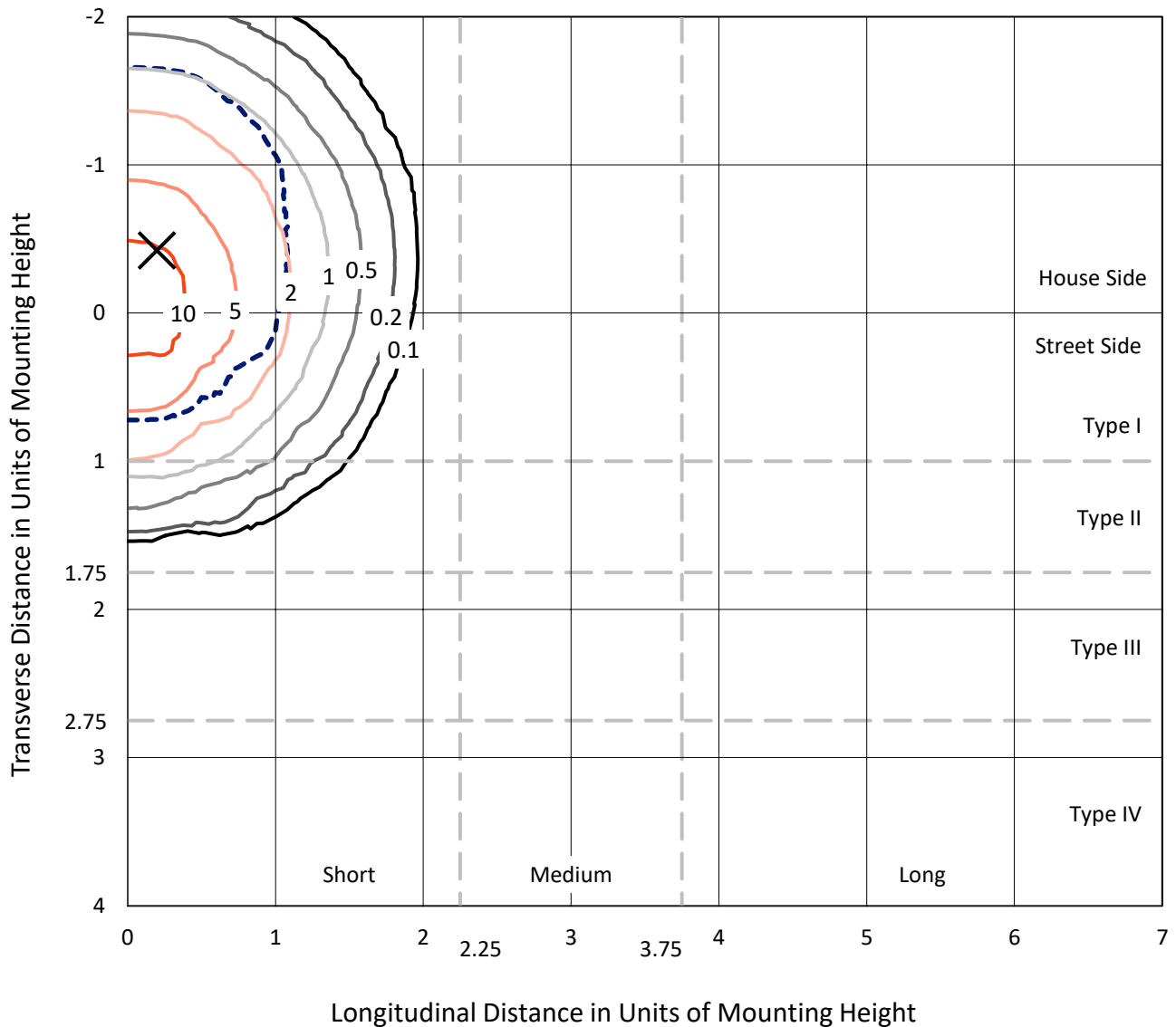
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

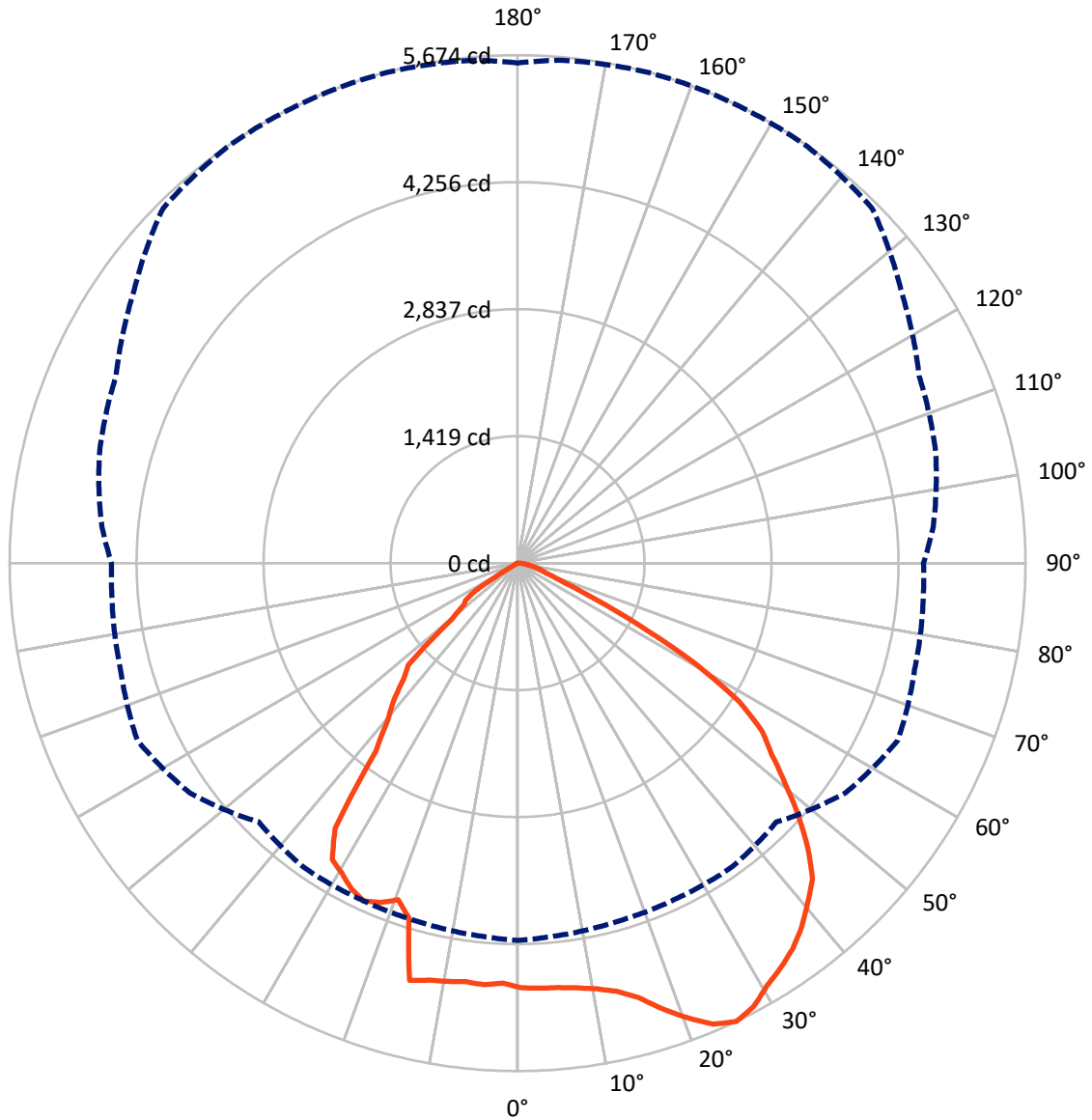
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral - - - Horizontal Cone Through 25-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6806.4	0.0	6806.4
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	4187.6	0.0	4187.6
	% Fixture	38.1	0.0	38.1
Total	Lumens	10994.0	0.0	10994.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.1	4.1
10°-20°	1389.6	12.6
20°-30°	2196.9	20.0
30°-40°	2481.6	22.6
40°-50°	2324.1	21.1
50°-60°	1602.3	14.6
60°-70°	430.5	3.9
70°-80°	89.7	0.8
80°-90°	24.3	0.2
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°	10994.0	100.0
0°-180°	10994.0	100.0



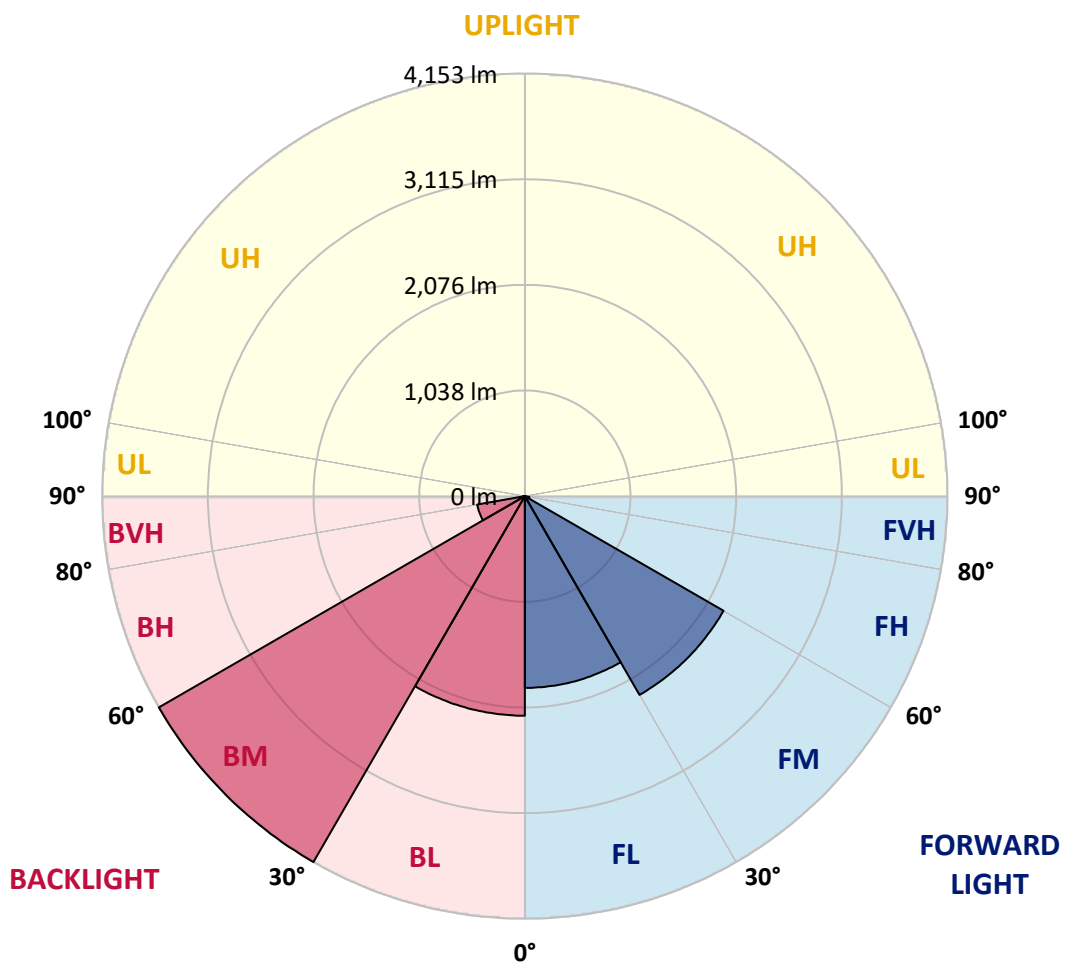
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1884.0	17.1			
FM (30°-60°)	2255.1	20.5			
FH (60°-80°)	45.2	0.4			G0/660
FVH (80°-90°)	3.3	0.0			G0/10
BL (0°-30°)	2157.6	19.6	B3/2500		
BM (30°-60°)	4152.8	37.8	B3/5000		
BH (60°-80°)	475.0	4.3	B1/500		G1/500
BVH (80°-90°)	21.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7
2.5°	4764.7	4734.0	4704.9	4695.2	4735.6	4779.3	4751.8	4753.4	4743.7	4761.5
5°	4800.3	4758.3	4738.9	4724.3	4730.8	4776.0	4737.3	4751.8	4735.6	4756.6
7.5°	4787.3	4758.3	4738.9	4711.4	4732.4	4785.7	4748.6	4750.2	4742.1	4761.5
10°	4779.3	4758.3	4734.0	4737.3	4761.5	4806.7	4777.6	4793.8	4782.5	4793.8
12.5°	4798.6	4776.0	4763.1	4763.1	4784.1	4835.8	4821.3	4835.8	4831.0	4840.7
15°	4616.1	4637.1	4759.9	4814.8	4856.8	4908.5	4902.1	4916.6	4919.8	4934.4
17.5°	3893.9	3872.8	3863.2	4145.9	4897.2	5057.2	5052.3	5050.7	5034.5	5023.2
20°	3989.2	3981.1	3969.8	3990.8	4074.8	5134.7	5167.0	4968.3	4910.1	4905.3
22.5°	4141.1	4128.1	4086.1	4087.7	4113.6	4464.2	5007.1	4826.1	4806.7	4795.4
25°	4215.4	4189.5	4155.6	4145.9	4154.0	4089.4	4472.3	4687.2	4591.8	4548.2
27.5°	4084.5	4086.1	4058.7	4084.5	4053.8	3763.0	3599.8	4415.7	4412.5	4393.1
30°	3985.9	3981.1	3948.8	3981.1	3769.4	3444.7	3375.2	4118.4	4084.5	4058.7
32.5°	3683.8	3687.0	3780.8	3906.8	3559.4	3302.5	3092.5	3679.0	4000.5	3985.9
35°	2635.2	2641.7	2974.5	3596.6	3241.1	3019.8	3003.6	3179.7	3868.0	3874.5
37.5°	2536.7	2536.7	2528.6	2630.4	2990.7	2905.0	2937.4	2919.6	3543.2	3559.4
40°	2465.6	2451.0	2439.7	2279.8	2079.4	2824.3	2846.9	2766.1	3349.4	3352.6
42.5°	2379.9	2363.8	2367.0	2071.3	1861.3	2623.9	2560.9	2452.6	3026.2	3029.4
45°	2223.2	2250.7	2270.1	1812.8	1796.7	1874.2	2362.2	2294.3	2808.1	2867.9
47.5°	1131.0	1155.2	1772.4	1667.4	1704.6	1665.8	1995.4	1997.0	2336.3	2535.0
50°	1026.0	1019.5	1021.1	972.7	1573.7	1347.5	1442.8	1830.6	1871.0	2155.4
52.5°	956.5	954.9	856.3	761.0	988.8	1185.9	1047.0	1324.9	1391.1	1825.7
55°	707.7	759.4	675.4	715.8	618.8	950.0	945.2	1195.6	1218.2	1463.8
57.5°	6.5	8.1	19.4	544.5	428.2	475.0	652.7	815.9	856.3	1140.7
60°	1.6	3.2	8.1	16.2	277.9	292.4	436.2	471.8	531.6	680.2
62.5°	0.0	0.0	3.2	8.1	14.5	119.6	139.0	151.9	234.3	347.4
65°	0.0	0.0	1.6	4.8	8.1	19.4	33.9	71.1	101.8	126.0
67.5°	0.0	0.0	1.6	3.2	6.5	9.7	19.4	27.5	43.6	74.3
70°	0.0	0.0	1.6	3.2	4.8	8.1	12.9	19.4	25.9	37.2
72.5°	0.0	0.0	1.6	3.2	3.2	9.7	9.7	14.5	19.4	24.2
75°	0.0	0.0	1.6	1.6	3.2	6.5	9.7	11.3	12.9	19.4
77.5°	0.0	0.0	1.6	3.2	4.8	6.5	8.1	12.9	11.3	11.3
80°	0.0	0.0	1.6	4.8	4.8	8.1	9.7	12.9	8.1	8.1
82.5°	0.0	0.0	1.6	6.5	4.8	16.2	16.2	17.8	6.5	6.5
85°	0.0	0.0	4.8	3.2	9.7	16.2	14.5	9.7	8.1	4.8
87.5°	0.0	0.0	1.6	1.6	3.2	4.8	11.3	9.7	3.2	3.2
90°	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°
4743.7	0°	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7	4743.7
4714.6	2.5°	4779.3	4758.3	4801.9	4797.0	4776.0	4766.3	4755.0	4745.3	4674.2
4717.9	5°	4780.9	4748.6	4801.9	4792.2	4789.0	4772.8	4763.1	4777.6	4713.0
4730.8	7.5°	4780.9	4748.6	4806.7	4810.0	4805.1	4792.2	4790.6	4800.3	4746.9
4753.4	10°	4813.2	4800.3	4848.7	4853.6	4847.1	4843.9	4835.8	4829.3	4772.8
4831.0	12.5°	4881.0	4855.2	4910.1	4924.7	4919.8	4927.9	4908.5	4918.2	4860.0
4910.1	15°	4963.4	4965.1	5007.1	5039.4	5036.2	5062.0	5032.9	5058.8	5016.8
5000.6	17.5°	5089.5	5107.2	5167.0	5215.5	5233.3	5252.7	5233.3	5241.4	5181.6
4900.4	20°	4957.0	5023.2	5310.8	5399.7	5436.9	5454.6	5422.3	5432.0	5372.2
4777.6	22.5°	4837.4	4923.1	5178.3	5456.2	5571.0	5606.5	5595.2	5593.6	5571.0
4535.3	25°	4661.3	4834.2	4948.9	5243.0	5603.3	5667.9	5674.4	5672.7	5638.8
4386.6	27.5°	4444.8	4483.6	4780.9	4960.2	5377.1	5622.7	5613.0	5566.1	5520.9
4078.0	30°	4168.5	4344.6	4478.7	4764.7	5084.6	5483.7	5483.7	5448.2	5401.3
3968.2	32.5°	4028.0	4255.8	4380.2	4483.6	4756.6	5328.6	5393.2	5356.1	5318.9
3882.5	35°	3953.6	3987.6	4278.4	4372.1	4603.1	5029.7	5291.4	5254.3	5226.8
3654.7	37.5°	3790.4	3869.6	4005.3	4255.8	4326.9	4785.7	5155.7	5136.3	5104.0
3359.1	40°	3426.9	3638.6	3847.0	4084.5	4158.8	4472.3	4990.9	4999.0	4955.4
3044.0	42.5°	3212.0	3355.8	3682.2	3842.1	4042.5	4270.3	4831.0	4843.9	4813.2
2884.0	45°	2960.0	3119.9	3349.4	3640.2	3913.2	3992.4	4548.2	4683.9	4658.1
2565.7	47.5°	2728.9	2858.2	3139.3	3433.4	3735.5	3724.2	4223.5	4478.7	4443.2
2321.8	50°	2400.9	2627.1	2759.6	3029.4	3480.2	3510.9	3877.7	4238.0	4208.9
1972.8	52.5°	2024.5	2308.8	2562.5	2809.7	3221.7	3294.4	3556.2	3992.4	3973.0
1507.5	55°	1769.2	1976.0	2262.0	2460.7	2908.3	3102.2	3315.4	3758.1	3748.4
1239.2	57.5°	1258.6	1657.7	1893.6	2171.5	2407.4	2758.0	2916.3	3281.5	3191.0
686.7	60°	853.1	1040.5	1328.1	1627.0	1785.4	2136.0	2283.0	2575.4	2551.2
410.4	62.5°	450.8	623.7	828.9	979.1	1093.8	1434.7	1496.1	1811.2	1803.1
164.8	65°	198.7	263.4	449.2	526.7	644.7	803.0	856.3	969.4	942.0
80.8	67.5°	103.4	156.7	253.7	311.8	392.6	452.4	496.0	531.6	554.2
53.3	70°	63.0	114.7	156.7	216.5	269.8	318.3	352.2	400.7	429.8
27.5	72.5°	46.9	72.7	108.3	166.4	195.5	252.1	286.0	321.5	347.4
22.6	75°	25.9	48.5	87.2	130.9	156.7	205.2	235.9	260.1	268.2
12.9	77.5°	16.2	37.2	72.7	101.8	122.8	166.4	158.3	181.0	200.3
9.7	80°	11.3	27.5	56.5	84.0	85.6	106.6	126.0	145.4	158.3
6.5	82.5°	8.1	22.6	42.0	64.6	56.5	82.4	98.6	113.1	82.4
4.8	85°	6.5	16.2	21.0	38.8	32.3	58.2	50.1	48.5	32.3
3.2	87.5°	4.8	8.1	14.5	17.8	12.9	12.9	16.2	19.4	16.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
4743.7
4625.8
4658.1
4685.5
4725.9
4808.3
4947.3
5129.9
5330.2
5498.2
5587.1
5485.3
5383.5
5288.2
5188.0
5071.7
4945.7
4810.0
4661.3
4469.0
4213.8
3985.9
3759.7
3181.3
2552.8
1804.7
930.6
554.2
431.4
352.2
263.4
203.6
160.0
59.8
32.3
16.2
0.0

(END OF REPORT)