

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: P636893

Luminaire Tested: **IFLD-S-SA6B-930-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636893
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-930-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15745.3 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

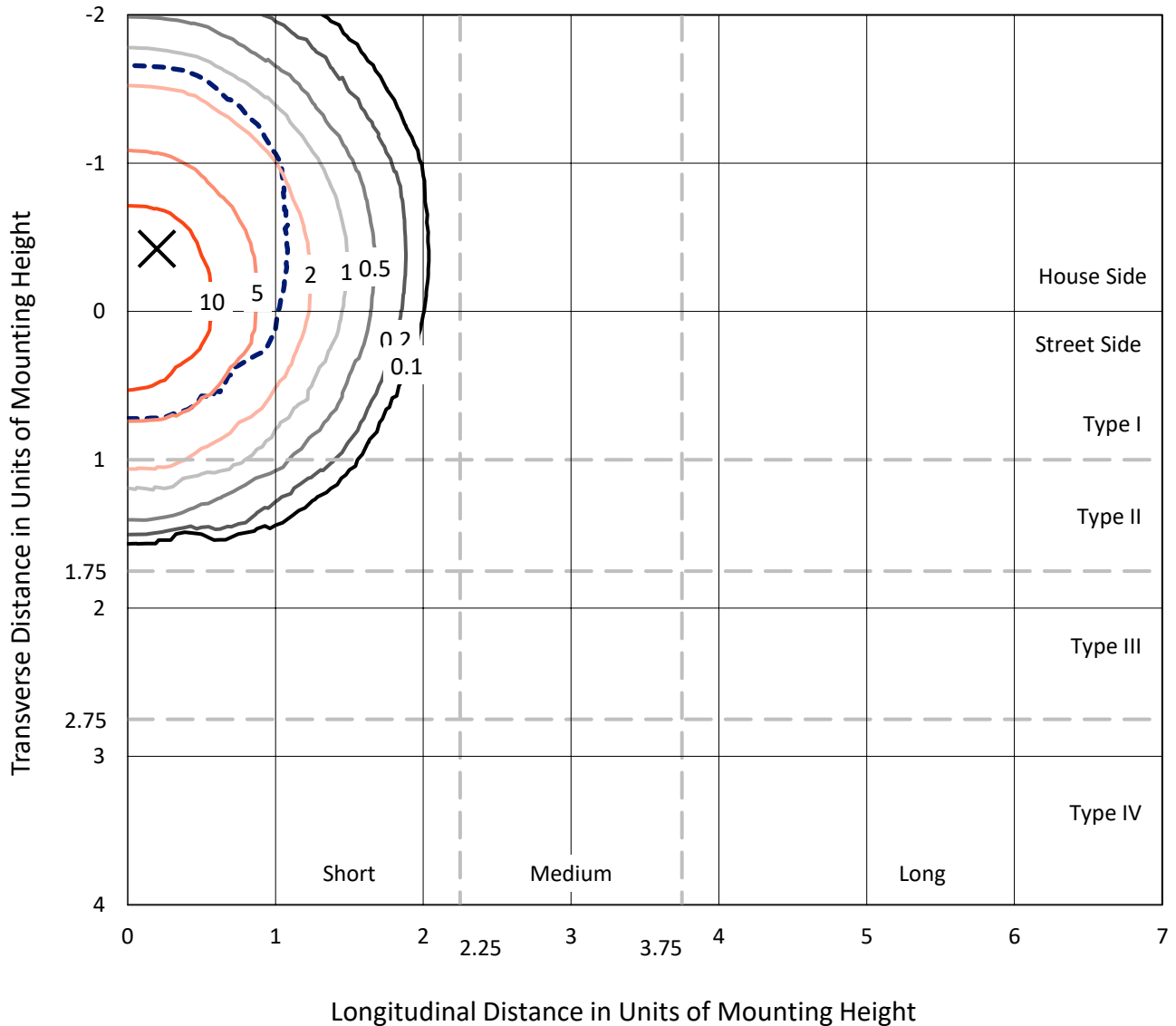
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

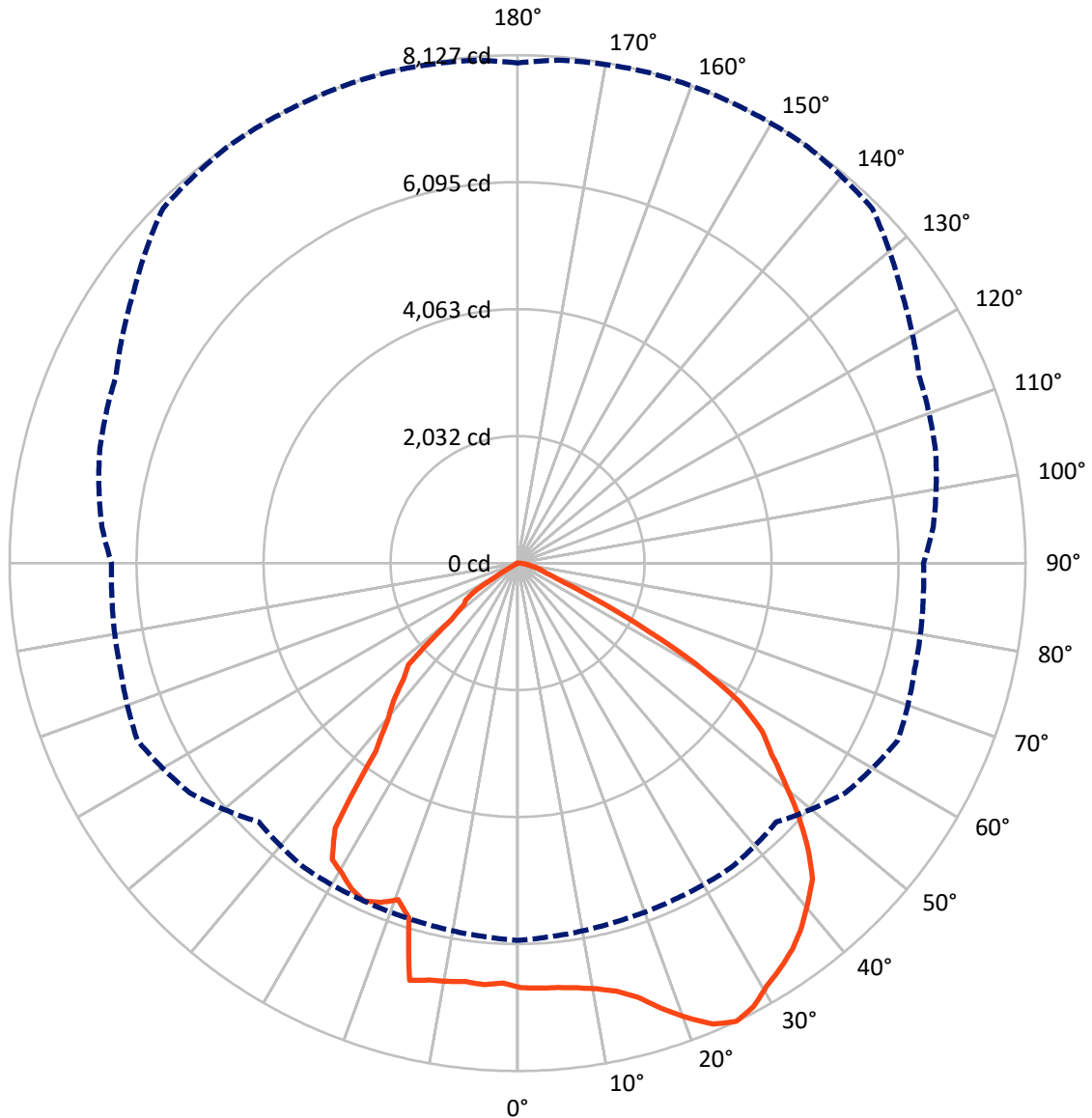
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 17 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	9748.0	0.0	9748.0
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	5997.3	0.0	5997.3
	% Fixture	38.1	0.0	38.1
Total	Lumens	15745.3	0.0	15745.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	651.8	4.1
10°-20°	1990.2	12.6
20°-30°	3146.3	20.0
30°-40°	3554.1	22.6
40°-50°	3328.5	21.1
50°-60°	2294.7	14.6
60°-70°	616.5	3.9
70°-80°	128.5	0.8
80°-90°	34.8	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°	15745.3	100.0
0°-180°	15745.3	100.0



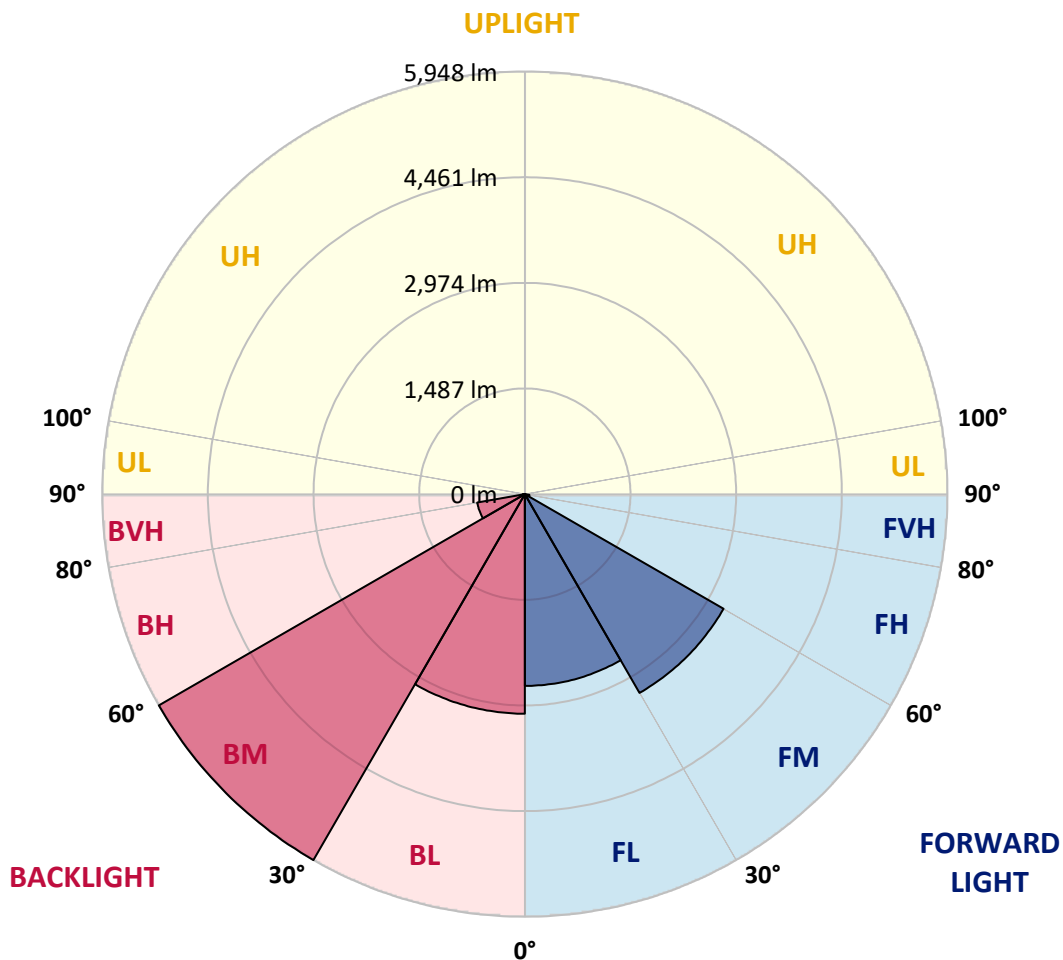
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2698.2	17.1			
FM (30°-60°)	3229.7	20.5			
FH (60°-80°)	64.7	0.4			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	3090.0	19.6	B4/5000		
BM (30°-60°)	5947.5	37.8	B4/8500		
BH (60°-80°)	680.3	4.3	B2/1000		G2/1000
BVH (80°-90°)	30.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8
2.5°	6823.9	6779.9	6738.3	6724.4	6782.2	6844.7	6805.4	6807.7	6793.8	6819.3
5°	6874.8	6814.6	6786.9	6766.1	6775.3	6840.1	6784.6	6805.4	6782.2	6812.3
7.5°	6856.3	6814.6	6786.9	6747.5	6777.6	6854.0	6800.8	6803.1	6791.5	6819.3
10°	6844.7	6814.6	6779.9	6784.6	6819.3	6884.1	6842.4	6865.6	6849.4	6865.6
12.5°	6872.5	6840.1	6821.6	6821.6	6851.7	6925.7	6904.9	6925.7	6918.8	6932.7
15°	6611.0	6641.1	6817.0	6895.6	6955.8	7029.8	7020.6	7041.4	7046.0	7066.9
17.5°	5576.7	5546.6	5532.7	5937.7	7013.6	7242.7	7235.8	7233.5	7210.3	7194.1
20°	5713.2	5701.6	5685.4	5715.5	5835.8	7353.8	7400.1	7115.5	7032.2	7025.2
22.5°	5930.7	5912.2	5852.0	5854.3	5891.4	6393.5	7171.0	6911.8	6884.1	6867.9
25°	6037.2	6000.1	5951.5	5937.7	5949.2	5856.7	6405.1	6712.8	6576.3	6513.8
27.5°	5849.7	5852.0	5812.7	5849.7	5805.8	5389.2	5155.5	6324.1	6319.5	6291.7
30°	5708.6	5701.6	5655.3	5701.6	5398.5	4933.4	4833.9	5898.3	5849.7	5812.7
32.5°	5275.9	5280.5	5414.7	5595.2	5097.7	4729.8	4428.9	5268.9	5729.4	5708.6
35°	3774.1	3783.3	4260.0	5150.9	4641.8	4324.8	4301.7	4553.9	5539.6	5548.9
37.5°	3632.9	3632.9	3621.4	3767.1	4283.2	4160.5	4206.8	4181.3	5074.5	5097.7
40°	3531.1	3510.3	3494.1	3265.0	2978.1	4044.8	4077.2	3961.5	4796.9	4801.5
42.5°	3408.5	3385.3	3390.0	2966.5	2665.7	3757.9	3667.6	3512.6	4334.1	4338.7
45°	3184.0	3223.4	3251.1	2596.3	2573.1	2684.2	3383.0	3285.8	4021.7	4107.3
47.5°	1619.8	1654.5	2538.4	2388.0	2441.2	2385.7	2857.8	2860.1	3346.0	3630.6
50°	1469.4	1460.1	1462.4	1393.0	2253.8	1929.9	2066.4	2621.7	2679.6	3086.8
52.5°	1369.9	1367.6	1226.4	1089.9	1416.2	1698.5	1499.5	1897.5	1992.3	2614.8
55°	1013.5	1087.6	967.2	1025.1	886.3	1360.6	1353.7	1712.3	1744.7	2096.5
57.5°	9.3	11.6	27.8	779.8	613.2	680.3	934.8	1168.6	1226.4	1633.7
60°	2.3	4.6	11.6	23.1	398.0	418.8	624.8	675.7	761.3	974.2
62.5°	0.0	0.0	4.6	11.6	20.8	171.2	199.0	217.5	335.5	497.5
65°	0.0	0.0	2.3	6.9	11.6	27.8	48.6	101.8	145.8	180.5
67.5°	0.0	0.0	2.3	4.6	9.3	13.9	27.8	39.3	62.5	106.4
70°	0.0	0.0	2.3	4.6	6.9	11.6	18.5	27.8	37.0	53.2
72.5°	0.0	0.0	2.3	4.6	4.6	13.9	13.9	20.8	27.8	34.7
75°	0.0	0.0	2.3	2.3	4.6	9.3	13.9	16.2	18.5	27.8
77.5°	0.0	0.0	2.3	4.6	6.9	9.3	11.6	18.5	16.2	16.2
80°	0.0	0.0	2.3	6.9	6.9	11.6	13.9	18.5	11.6	11.6
82.5°	0.0	0.0	2.3	9.3	6.9	23.1	23.1	25.5	9.3	9.3
85°	0.0	0.0	6.9	4.6	13.9	23.1	20.8	13.9	11.6	6.9
87.5°	0.0	0.0	2.3	2.3	4.6	6.9	16.2	13.9	4.6	4.6
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°
6793.8	0°	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8	6793.8
6752.2	2.5°	6844.7	6814.6	6877.1	6870.2	6840.1	6826.2	6810.0	6796.1	6694.3
6756.8	5°	6847.0	6800.8	6877.1	6863.2	6858.6	6835.5	6821.6	6842.4	6749.9
6775.3	7.5°	6847.0	6800.8	6884.1	6888.7	6881.8	6863.2	6860.9	6874.8	6798.4
6807.7	10°	6893.3	6874.8	6944.2	6951.2	6941.9	6937.3	6925.7	6916.5	6835.5
6918.8	12.5°	6990.5	6953.5	7032.2	7053.0	7046.0	7057.6	7029.8	7043.7	6960.4
7032.2	15°	7108.5	7110.8	7171.0	7217.3	7212.6	7249.7	7208.0	7245.0	7184.9
7161.7	17.5°	7289.0	7314.5	7400.1	7469.5	7495.0	7522.7	7495.0	7506.5	7420.9
7018.3	20°	7099.3	7194.1	7606.0	7733.3	7786.5	7812.0	7765.7	7779.6	7694.0
6842.4	22.5°	6928.0	7050.7	7416.3	7814.3	7978.6	8029.5	8013.3	8011.0	7978.6
6495.3	25°	6675.8	6923.4	7087.7	7508.8	8024.9	8117.4	8126.7	8124.4	8075.8
6282.4	27.5°	6365.7	6421.3	6847.0	7103.9	7700.9	8052.6	8038.7	7971.6	7906.8
5840.5	30°	5970.0	6222.3	6414.3	6823.9	7282.1	7853.6	7853.6	7802.7	7735.6
5683.1	32.5°	5768.7	6095.0	6273.2	6421.3	6812.3	7631.5	7724.0	7670.8	7617.6
5560.5	35°	5662.3	5710.9	6127.4	6261.6	6592.5	7203.4	7578.3	7525.0	7485.7
5234.2	37.5°	5428.6	5542.0	5736.3	6095.0	6196.8	6854.0	7383.9	7356.1	7309.8
4810.7	40°	4907.9	5211.1	5509.6	5849.7	5956.2	6405.1	7147.9	7159.4	7096.9
4359.5	42.5°	4600.2	4806.1	5273.5	5502.6	5789.6	6115.8	6918.8	6937.3	6893.3
4130.4	45°	4239.2	4468.3	4796.9	5213.4	5604.4	5717.8	6513.8	6708.2	6671.2
3674.6	47.5°	3908.3	4093.4	4496.0	4917.2	5349.9	5333.7	6048.7	6414.3	6363.4
3325.2	50°	3438.6	3762.5	3952.3	4338.7	4984.3	5028.3	5553.5	6069.5	6027.9
2825.4	52.5°	2899.4	3306.7	3670.0	4024.0	4614.1	4718.2	5093.1	5717.8	5690.1
2158.9	55°	2533.8	2830.0	3239.6	3524.2	4165.1	4442.8	4748.3	5382.3	5368.4
1774.8	57.5°	1802.6	2374.1	2712.0	3110.0	3447.8	3949.9	4176.7	4699.7	4570.1
983.4	60°	1221.8	1490.2	1902.1	2330.2	2556.9	3059.1	3269.6	3688.5	3653.8
587.7	62.5°	645.6	893.2	1187.1	1402.3	1566.6	2054.8	2142.7	2594.0	2582.4
236.0	65°	284.6	377.2	643.3	754.4	923.3	1150.0	1226.4	1388.4	1349.0
115.7	67.5°	148.1	224.5	363.3	446.6	562.3	647.9	710.4	761.3	793.7
76.4	70°	90.2	164.3	224.5	310.1	386.4	455.9	504.4	573.9	615.5
39.3	72.5°	67.1	104.1	155.0	238.3	280.0	361.0	409.6	460.5	497.5
32.4	75°	37.0	69.4	125.0	187.4	224.5	293.9	337.8	372.5	384.1
18.5	77.5°	23.1	53.2	104.1	145.8	175.9	238.3	226.8	259.2	286.9
13.9	80°	16.2	39.3	81.0	120.3	122.6	152.7	180.5	208.3	226.8
9.3	82.5°	11.6	32.4	60.2	92.6	81.0	118.0	141.2	162.0	118.0
6.9	85°	9.3	23.1	30.1	55.5	46.3	83.3	71.7	69.4	46.3
4.6	87.5°	6.9	11.6	20.8	25.5	18.5	18.5	23.1	27.8	23.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
6793.8
6624.9
6671.2
6710.5
6768.4
6886.4
7085.4
7346.9
7633.8
7874.4
8001.7
7855.9
7710.2
7573.6
7430.2
7263.6
7083.1
6888.7
6675.8
6400.4
6034.8
5708.6
5384.6
4556.2
3656.1
2584.7
1332.8
793.7
617.8
504.4
377.2
291.6
229.1
85.6
46.3
23.1
0.0

(END OF REPORT)