

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: P638314

Luminaire Tested: **IFLD-S-SA6B-722-U-LAM-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P638314
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-LAM-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18121.9 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

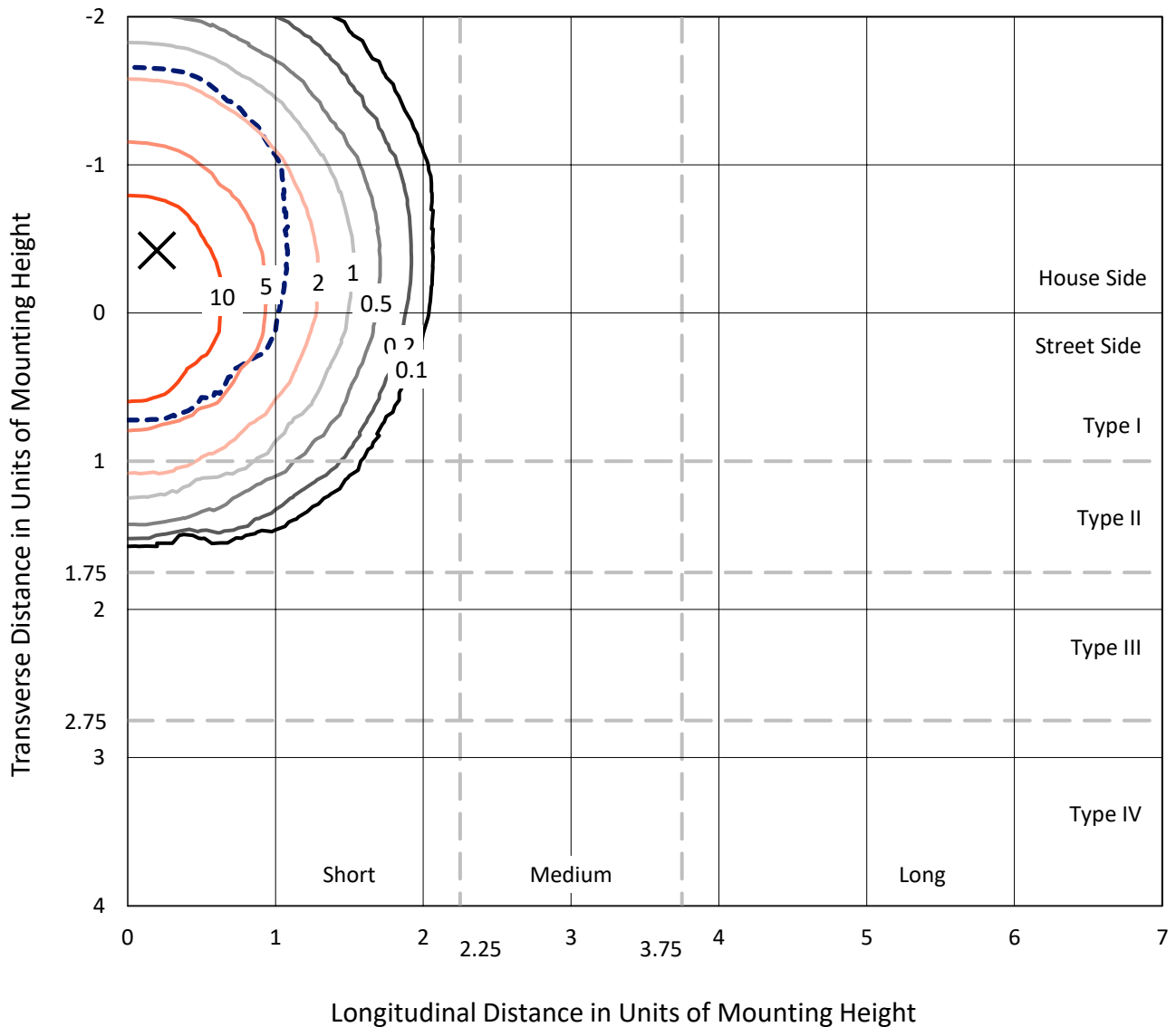
Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

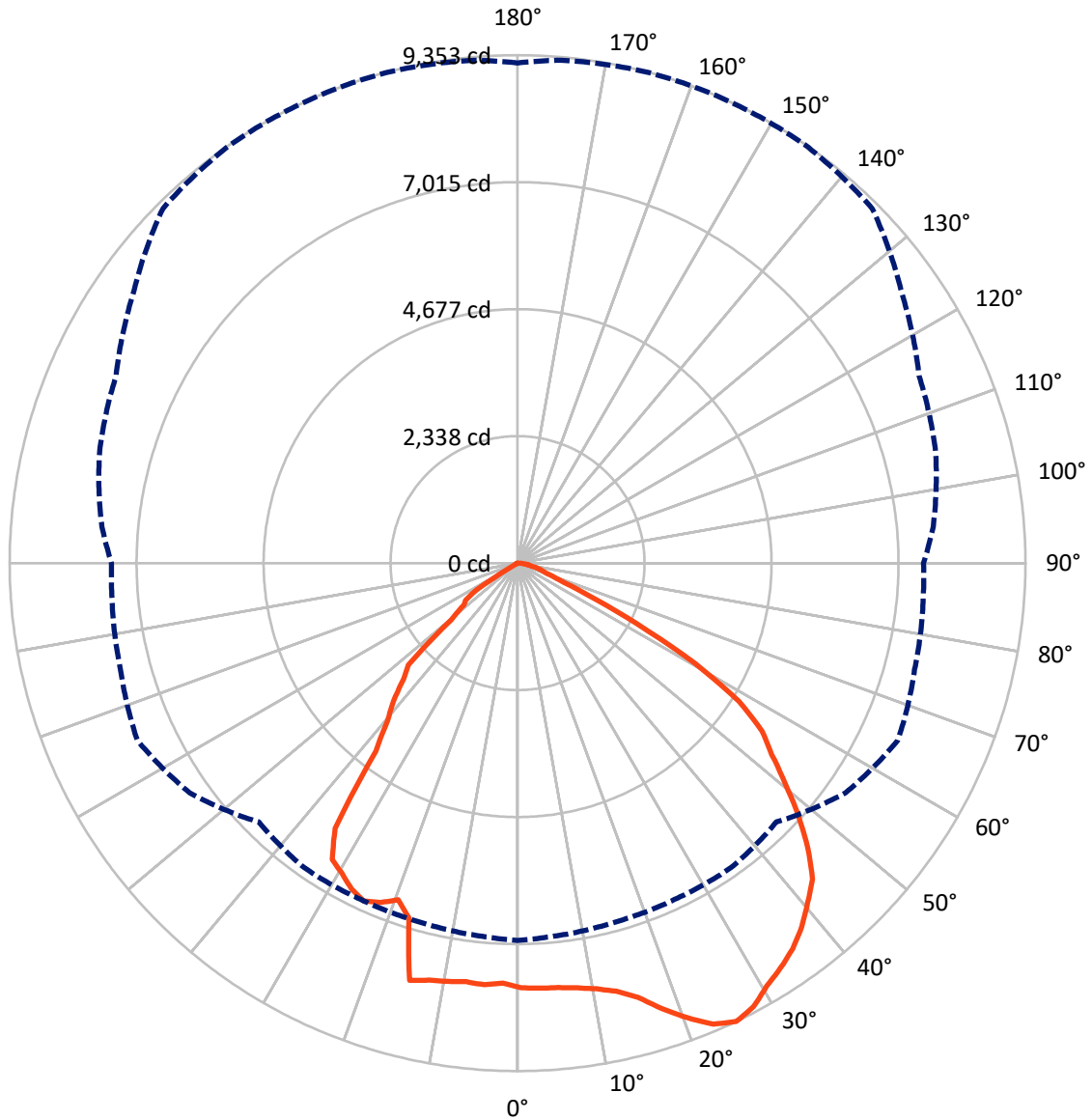
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 19.5 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	11219.3	0.0	11219.3
	% Fixture	61.9	0.0	61.9
Street Side	Lumens	6902.6	0.0	6902.6
	% Fixture	38.1	0.0	38.1
Total	Lumens	18121.9	0.0	18121.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	750.2	4.1
10°-20°	2290.6	12.6
20°-30°	3621.2	20.0
30°-40°	4090.5	22.6
40°-50°	3830.8	21.1
50°-60°	2641.1	14.6
60°-70°	709.6	3.9
70°-80°	147.9	0.8
80°-90°	40.0	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°	18121.9	100.0
0°-180°	18121.9	100.0



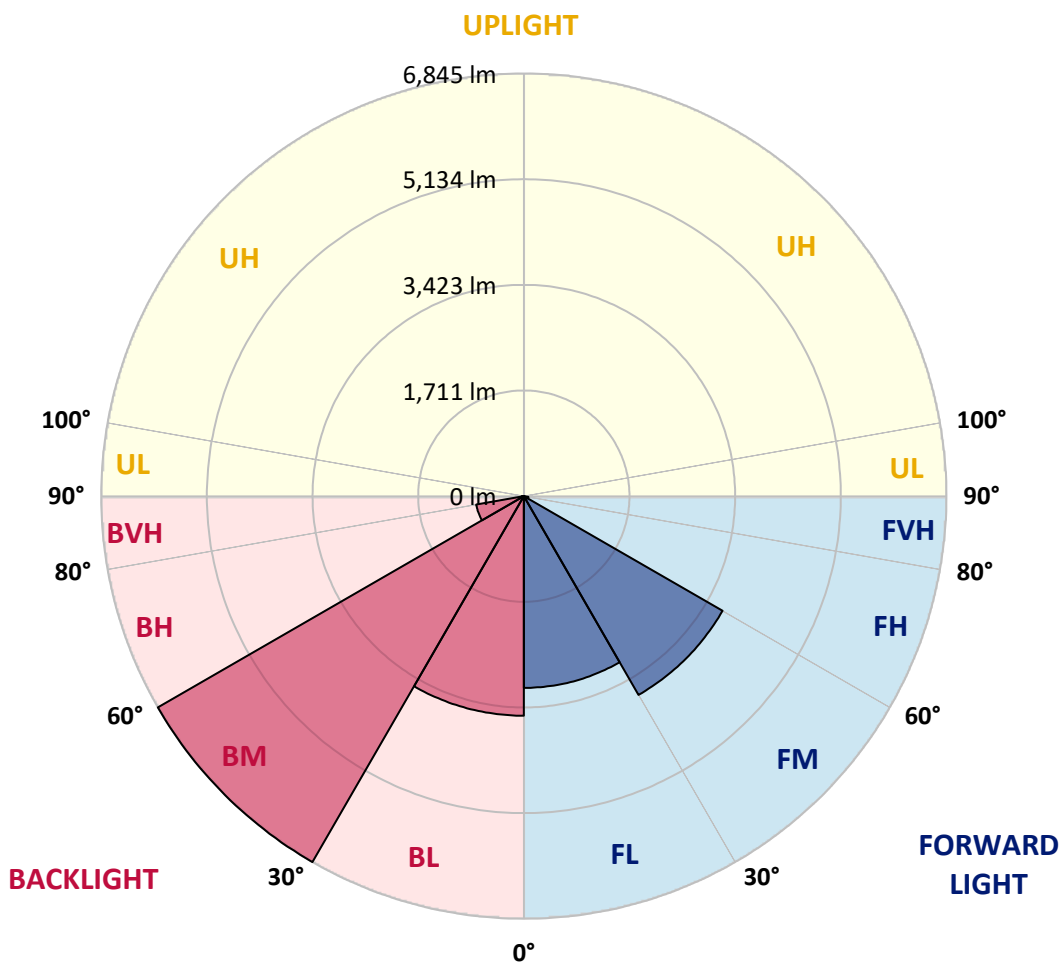
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3105.5	17.1			
FM (30°-60°)	3717.2	20.5			
FH (60°-80°)	74.5	0.4			G0/660
FVH (80°-90°)	5.4	0.0			G0/10
BL (0°-30°)	3556.4	19.6	B4/5000		
BM (30°-60°)	6845.3	37.8	B4/8500		
BH (60°-80°)	783.0	4.3	B2/1000		G2/1000
BVH (80°-90°)	34.6	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°	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3
2.5°	7853.9	7803.3	7755.3	7739.4	7805.9	7877.9	7832.6	7835.2	7819.3	7848.6
5°	7912.5	7843.2	7811.3	7787.3	7798.0	7872.5	7808.6	7832.6	7805.9	7840.6
7.5°	7891.2	7843.2	7811.3	7766.0	7800.6	7888.5	7827.3	7829.9	7816.6	7848.6
10°	7877.9	7843.2	7803.3	7808.6	7848.6	7923.1	7875.2	7901.8	7883.2	7901.8
12.5°	7909.8	7872.5	7851.2	7851.2	7885.8	7971.1	7947.1	7971.1	7963.1	7979.1
15°	7608.9	7643.5	7845.9	7936.4	8005.7	8090.9	8080.3	8104.2	8109.6	8133.5
17.5°	6418.4	6383.8	6367.8	6833.9	8072.3	8335.9	8327.9	8325.3	8298.6	8280.0
20°	6575.5	6562.2	6543.6	6578.2	6716.7	8463.8	8517.0	8189.5	8093.6	8085.6
22.5°	6825.9	6804.6	6735.3	6738.0	6780.6	7358.5	8253.4	7955.1	7923.1	7904.5
25°	6948.4	6905.8	6849.8	6833.9	6847.2	6740.7	7371.8	7726.0	7568.9	7497.0
27.5°	6732.7	6735.3	6690.0	6732.7	6682.1	6202.7	5933.7	7278.6	7273.3	7241.3
30°	6570.2	6562.2	6508.9	6562.2	6213.3	5678.0	5563.5	6788.6	6732.7	6690.0
32.5°	6072.2	6077.5	6232.0	6439.7	5867.1	5443.7	5097.4	6064.2	6594.2	6570.2
35°	4343.7	4354.4	4903.0	5928.4	5342.5	4977.6	4951.0	5241.2	6375.8	6386.4
37.5°	4181.3	4181.3	4168.0	4335.7	4929.7	4788.5	4841.8	4812.5	5840.5	5867.1
40°	4064.1	4040.1	4021.5	3757.8	3427.6	4655.3	4692.6	4559.5	5520.9	5526.2
42.5°	3922.9	3896.3	3901.6	3414.3	3068.0	4325.1	4221.2	4042.8	4988.2	4993.6
45°	3664.6	3709.9	3741.8	2988.2	2961.5	3089.4	3893.7	3781.8	4628.7	4727.2
47.5°	1864.3	1904.2	2921.6	2748.5	2809.7	2745.8	3289.1	3291.8	3851.0	4178.6
50°	1691.2	1680.5	1683.2	1603.3	2594.0	2221.1	2378.3	3017.4	3084.0	3552.8
52.5°	1576.6	1574.0	1411.5	1254.4	1629.9	1954.8	1725.8	2183.9	2293.0	3009.5
55°	1166.5	1251.7	1113.2	1179.8	1020.0	1566.0	1558.0	1970.8	2008.1	2412.9
57.5°	10.7	13.3	32.0	897.5	705.8	783.0	1075.9	1344.9	1411.5	1880.2
60°	2.7	5.3	13.3	26.6	458.1	482.0	719.1	777.7	876.2	1121.2
62.5°	0.0	0.0	5.3	13.3	24.0	197.1	229.0	250.3	386.2	572.6
65°	0.0	0.0	2.7	8.0	13.3	32.0	55.9	117.2	167.8	207.7
67.5°	0.0	0.0	2.7	5.3	10.7	16.0	32.0	45.3	71.9	122.5
70°	0.0	0.0	2.7	5.3	8.0	13.3	21.3	32.0	42.6	61.3
72.5°	0.0	0.0	2.7	5.3	5.3	16.0	16.0	24.0	32.0	39.9
75°	0.0	0.0	2.7	2.7	5.3	10.7	16.0	18.6	21.3	32.0
77.5°	0.0	0.0	2.7	5.3	8.0	10.7	13.3	21.3	18.6	18.6
80°	0.0	0.0	2.7	8.0	8.0	13.3	16.0	21.3	13.3	13.3
82.5°	0.0	0.0	2.7	10.7	8.0	26.6	26.6	29.3	10.7	10.7
85°	0.0	0.0	8.0	5.3	16.0	26.6	24.0	16.0	13.3	8.0
87.5°	0.0	0.0	2.7	2.7	5.3	8.0	18.6	16.0	5.3	5.3
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°
7819.3	0°	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3	7819.3
7771.3	2.5°	7877.9	7843.2	7915.1	7907.1	7872.5	7856.5	7837.9	7821.9	7704.7
7776.6	5°	7880.5	7827.3	7915.1	7899.2	7893.8	7867.2	7851.2	7875.2	7768.7
7798.0	7.5°	7880.5	7827.3	7923.1	7928.5	7920.5	7899.2	7896.5	7912.5	7824.6
7835.2	10°	7933.8	7912.5	7992.4	8000.4	7989.7	7984.4	7971.1	7960.4	7867.2
7963.1	12.5°	8045.6	8003.0	8093.6	8117.5	8109.6	8122.9	8090.9	8106.9	8011.0
8093.6	15°	8181.5	8184.1	8253.4	8306.6	8301.3	8343.9	8296.0	8338.6	8269.3
8242.7	17.5°	8389.2	8418.5	8517.0	8596.9	8626.2	8658.2	8626.2	8639.5	8541.0
8077.6	20°	8170.8	8280.0	8754.1	8900.5	8961.8	8991.1	8937.8	8953.8	8855.3
7875.2	22.5°	7973.7	8114.9	8535.7	8993.7	9182.8	9241.4	9222.8	9220.1	9182.8
7475.7	25°	7683.4	7968.4	8157.5	8642.2	9236.1	9342.6	9353.3	9350.6	9294.7
7230.7	27.5°	7326.6	7390.5	7880.5	8176.1	8863.3	9268.1	9252.1	9174.8	9100.3
6722.0	30°	6871.1	7161.4	7382.5	7853.9	8381.2	9039.0	9039.0	8980.4	8903.2
6540.9	32.5°	6639.4	7015.0	7220.0	7390.5	7840.6	8783.4	8889.9	8828.6	8767.4
6399.8	35°	6516.9	6572.9	7052.2	7206.7	7587.6	8290.7	8722.1	8660.8	8615.6
6024.2	37.5°	6248.0	6378.5	6602.2	7015.0	7132.1	7888.5	8498.4	8466.4	8413.2
5536.9	40°	5648.7	5997.6	6341.2	6732.7	6855.2	7371.8	8226.7	8240.1	8168.1
5017.5	42.5°	5294.5	5531.5	6069.5	6333.2	6663.4	7038.9	7963.1	7984.4	7933.8
4753.9	45°	4879.0	5142.7	5520.9	6000.3	6450.4	6580.9	7497.0	7720.7	7678.1
4229.2	47.5°	4498.2	4711.3	5174.7	5659.4	6157.4	6138.8	6961.7	7382.5	7323.9
3827.1	50°	3957.6	4330.4	4548.8	4993.6	5736.6	5787.2	6391.8	6985.7	6937.7
3251.8	52.5°	3337.0	3805.8	4223.9	4631.4	5310.5	5430.3	5861.8	6580.9	6548.9
2484.8	55°	2916.2	3257.1	3728.5	4056.1	4793.8	5113.4	5465.0	6194.7	6178.7
2042.7	57.5°	2074.7	2732.5	3121.3	3579.4	3968.2	4546.1	4807.1	5409.0	5259.9
1131.9	60°	1406.2	1715.1	2189.2	2681.9	2942.9	3520.8	3763.2	4245.2	4205.3
676.5	62.5°	743.0	1028.0	1366.2	1613.9	1803.0	2365.0	2466.2	2985.5	2972.2
271.7	65°	327.6	434.1	740.4	868.2	1062.6	1323.6	1411.5	1597.9	1552.7
133.2	67.5°	170.4	258.3	418.1	514.0	647.2	745.7	817.6	876.2	913.5
87.9	70°	103.9	189.1	258.3	356.9	444.8	524.7	580.6	660.5	708.4
45.3	72.5°	77.2	119.8	178.4	274.3	322.3	415.5	471.4	530.0	572.6
37.3	75°	42.6	79.9	143.8	215.7	258.3	338.2	388.8	428.8	442.1
21.3	77.5°	26.6	61.3	119.8	167.8	202.4	274.3	261.0	298.3	330.2
16.0	80°	18.6	45.3	93.2	138.5	141.2	175.8	207.7	239.7	261.0
10.7	82.5°	13.3	37.3	69.2	106.5	93.2	135.8	162.5	186.4	135.8
8.0	85°	10.7	26.6	34.6	63.9	53.3	95.9	82.6	79.9	53.3
5.3	87.5°	8.0	13.3	24.0	29.3	21.3	21.3	26.6	32.0	26.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
7819.3
7624.8
7678.1
7723.4
7790.0
7925.8
8154.8
8455.8
8786.0
9063.0
9209.5
9041.7
8873.9
8716.8
8551.7
8359.9
8152.2
7928.5
7683.4
7366.5
6945.7
6570.2
6197.4
5243.9
4207.9
2974.8
1534.0
913.5
711.1
580.6
434.1
335.6
263.7
98.5
53.3
26.6
0.0

(END OF REPORT)