

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: P636908

Luminaire Tested: **IFLD-L-SA8B-930-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636908  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-930-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19197.7 lumens  
Efficiency: N/A  
Efficacy: 60.0 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G2

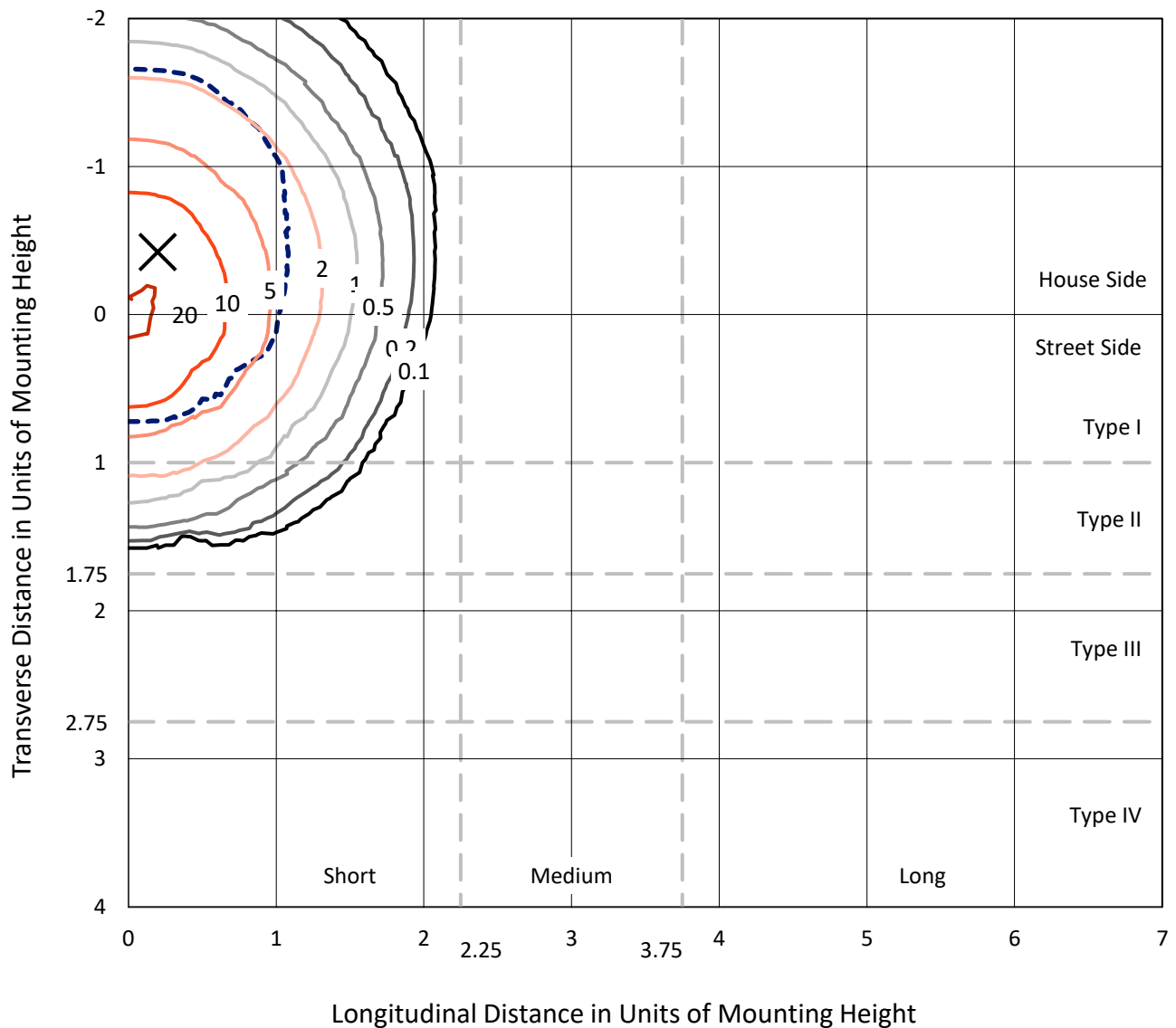
Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

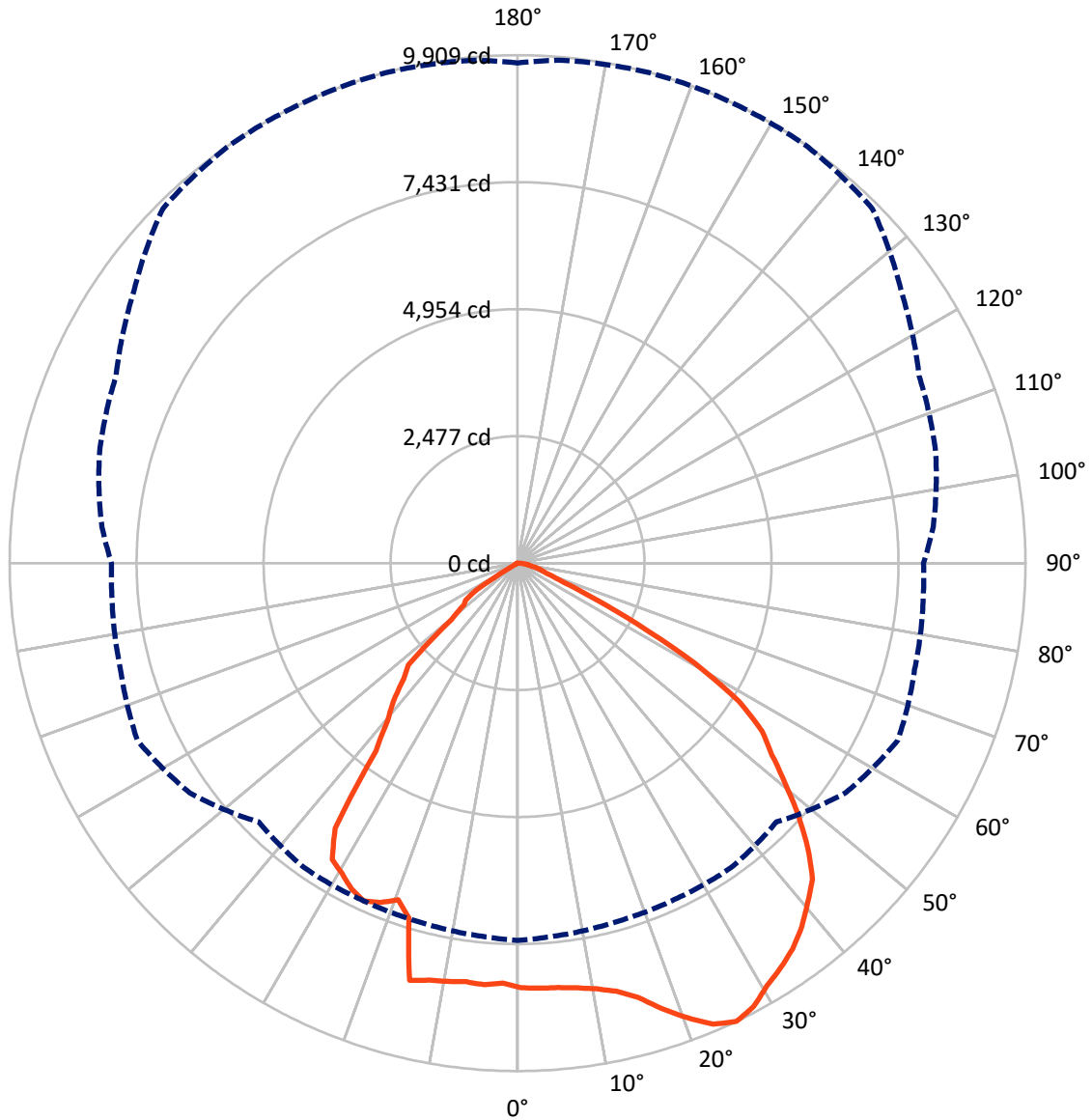
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 20.7 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
<b>House Side</b>	Lumens	11885.4	0.0	11885.4
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	7312.4	0.0	7312.4
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	19197.7	0.0	19197.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	794.7	4.1
10°-20°	2426.5	12.6
20°-30°	3836.2	20.0
30°-40°	4333.4	22.6
40°-50°	4058.3	21.1
50°-60°	2797.9	14.6
60°-70°	751.7	3.9
70°-80°	156.6	0.8
80°-90°	42.4	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°	19197.7	100.0
0°-180°	19197.7	100.0



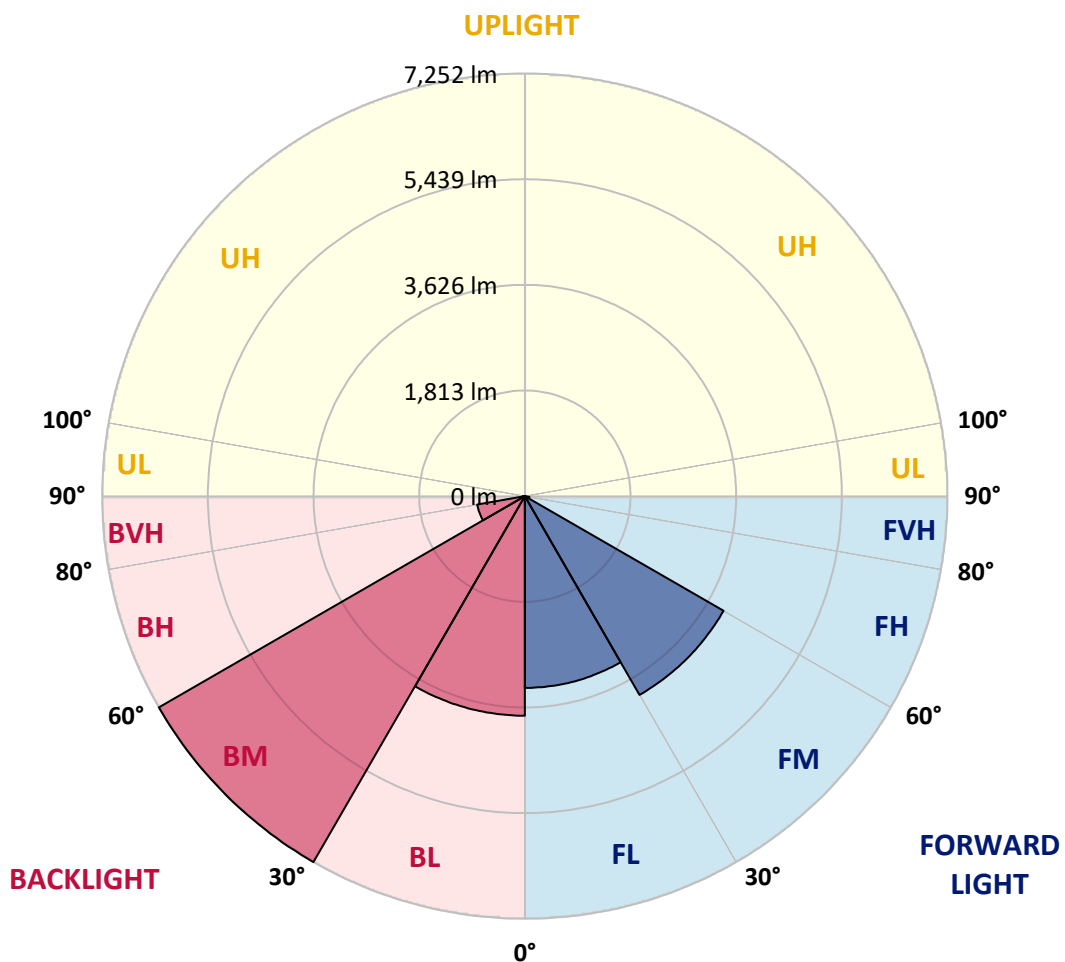
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3289.9	17.1			
FM (30°-60°)	3937.9	20.5			
FH (60°-80°)	78.9	0.4			G0/660
FVH (80°-90°)	5.7	0.0			G0/10
BL (0°-30°)	3767.6	19.6	B4/5000		
BM (30°-60°)	7251.6	37.8	B4/8500		
BH (60°-80°)	829.4	4.3	B2/1000		G2/1000
BVH (80°-90°)	36.7	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°	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5
2.5°	8320.1	8266.5	8215.8	8198.8	8269.4	8345.5	8297.6	8300.4	8283.5	8314.5
5°	8382.2	8308.9	8275.0	8249.6	8260.9	8339.9	8272.2	8297.6	8269.4	8306.0
7.5°	8359.6	8308.9	8275.0	8227.0	8263.7	8356.8	8291.9	8294.8	8280.6	8314.5
10°	8345.5	8308.9	8266.5	8272.2	8314.5	8393.5	8342.7	8370.9	8351.2	8370.9
12.5°	8379.4	8339.9	8317.3	8317.3	8354.0	8444.3	8418.9	8444.3	8435.8	8452.7
15°	8060.6	8097.3	8311.7	8407.6	8481.0	8571.2	8560.0	8585.4	8591.0	8616.4
17.5°	6799.4	6762.8	6745.8	7239.6	8551.5	8830.8	8822.3	8819.5	8791.3	8771.6
20°	6965.9	6951.8	6932.0	6968.7	7115.4	8966.2	9022.7	8675.6	8574.1	8565.6
22.5°	7231.1	7208.5	7135.2	7138.0	7183.1	7795.4	8743.3	8427.4	8393.5	8373.8
25°	7360.9	7315.7	7256.5	7239.6	7253.7	7140.8	7809.5	8184.7	8018.3	7942.1
27.5°	7132.4	7135.2	7087.2	7132.4	7078.8	6570.9	6286.0	7710.7	7705.1	7671.2
30°	6960.3	6951.8	6895.4	6951.8	6582.2	6015.1	5893.8	7191.6	7132.4	7087.2
32.5°	6432.7	6438.3	6601.9	6822.0	6215.4	5766.8	5400.1	6424.2	6985.7	6960.3
35°	4601.6	4612.9	5194.1	6280.3	5659.6	5273.1	5244.9	5552.4	6754.3	6765.6
37.5°	4429.5	4429.5	4415.4	4593.1	5222.3	5072.8	5129.2	5098.2	6187.2	6215.4
40°	4305.4	4280.0	4260.2	3980.9	3631.1	4931.7	4971.2	4830.1	5848.6	5854.3
42.5°	4155.8	4127.6	4133.3	3617.0	3250.2	4581.9	4471.8	4282.8	5284.4	5290.0
45°	3882.2	3930.1	3964.0	3165.5	3137.3	3272.8	4124.8	4006.3	4903.5	5007.9
47.5°	1974.9	2017.3	3095.0	2911.6	2976.5	2908.8	3484.4	3487.2	4079.7	4426.7
50°	1791.6	1780.3	1783.1	1698.4	2748.0	2353.0	2519.5	3196.6	3267.1	3763.7
52.5°	1670.2	1667.4	1495.3	1328.9	1726.7	2070.9	1828.2	2313.5	2429.2	3188.1
55°	1235.7	1326.0	1179.3	1249.9	1080.6	1659.0	1650.5	2087.8	2127.3	2556.1
57.5°	11.3	14.1	33.9	950.8	747.7	829.5	1139.8	1424.8	1495.3	1991.9
60°	2.8	5.6	14.1	28.2	485.3	510.7	761.8	823.8	928.2	1187.8
62.5°	0.0	0.0	5.6	14.1	25.4	208.8	242.6	265.2	409.1	606.6
65°	0.0	0.0	2.8	8.5	14.1	33.9	59.2	124.1	177.7	220.1
67.5°	0.0	0.0	2.8	5.6	11.3	16.9	33.9	48.0	76.2	129.8
70°	0.0	0.0	2.8	5.6	8.5	14.1	22.6	33.9	45.1	64.9
72.5°	0.0	0.0	2.8	5.6	5.6	16.9	16.9	25.4	33.9	42.3
75°	0.0	0.0	2.8	2.8	5.6	11.3	16.9	19.7	22.6	33.9
77.5°	0.0	0.0	2.8	5.6	8.5	11.3	14.1	22.6	19.7	19.7
80°	0.0	0.0	2.8	8.5	8.5	14.1	16.9	22.6	14.1	14.1
82.5°	0.0	0.0	2.8	11.3	8.5	28.2	28.2	31.0	11.3	11.3
85°	0.0	0.0	8.5	5.6	16.9	28.2	25.4	16.9	14.1	8.5
87.5°	0.0	0.0	2.8	2.8	5.6	8.5	19.7	16.9	5.6	5.6
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°
8283.5	0°	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5	8283.5
8232.7	2.5°	8345.5	8308.9	8385.0	8376.6	8339.9	8323.0	8303.2	8286.3	8162.2
8238.3	5°	8348.4	8291.9	8385.0	8368.1	8362.5	8334.3	8317.3	8342.7	8229.9
8260.9	7.5°	8348.4	8291.9	8393.5	8399.1	8390.7	8368.1	8365.3	8382.2	8289.1
8300.4	10°	8404.8	8382.2	8466.9	8475.3	8464.0	8458.4	8444.3	8433.0	8334.3
8435.8	12.5°	8523.3	8478.1	8574.1	8599.5	8591.0	8605.1	8571.2	8588.2	8486.6
8574.1	15°	8667.2	8670.0	8743.3	8799.8	8794.1	8839.3	8788.5	8833.6	8760.3
8732.1	17.5°	8887.2	8918.3	9022.7	9107.3	9138.3	9172.2	9138.3	9152.4	9048.1
8557.1	20°	8655.9	8771.6	9273.8	9428.9	9493.8	9524.9	9468.4	9485.4	9381.0
8342.7	22.5°	8447.1	8596.6	9042.4	9527.7	9728.0	9790.1	9770.3	9767.5	9728.0
7919.5	25°	8139.6	8441.5	8641.8	9155.3	9784.4	9897.3	9908.6	9905.7	9846.5
7660.0	27.5°	7761.5	7829.2	8348.4	8661.5	9389.4	9818.3	9801.4	9719.5	9640.5
7121.1	30°	7279.1	7586.6	7820.8	8320.1	8878.8	9575.6	9575.6	9513.6	9431.8
6929.2	32.5°	7033.6	7431.4	7648.7	7829.2	8306.0	9304.8	9417.6	9352.8	9287.9
6779.7	35°	6903.8	6963.1	7470.9	7634.6	8038.0	8782.8	9239.9	9175.0	9127.1
6381.9	37.5°	6618.9	6757.1	6994.1	7431.4	7555.6	8356.8	9002.9	8969.1	8912.6
5865.6	40°	5984.1	6353.7	6717.6	7132.4	7262.1	7809.5	8715.1	8729.2	8653.1
5315.4	42.5°	5608.8	5859.9	6429.8	6709.2	7059.0	7456.8	8435.8	8458.4	8404.8
5036.1	45°	5168.7	5448.0	5848.6	6356.5	6833.3	6971.5	7942.1	8179.1	8133.9
4480.3	47.5°	4765.3	4991.0	5481.9	5995.4	6522.9	6503.2	7375.0	7820.8	7758.7
4054.3	50°	4192.5	4587.5	4818.9	5290.0	6077.2	6130.8	6771.2	7400.4	7349.6
3444.9	52.5°	3535.1	4031.7	4474.7	4906.3	5625.8	5752.7	6209.8	6971.5	6937.7
2632.3	55°	3089.4	3450.5	3949.9	4296.9	5078.4	5417.0	5789.4	6562.4	6545.5
2164.0	57.5°	2197.8	2894.7	3306.6	3791.9	4203.8	4816.0	5092.5	5730.2	5572.2
1199.1	60°	1489.7	1816.9	2319.1	2841.1	3117.6	3729.8	3986.6	4497.2	4454.9
716.6	62.5°	787.2	1089.0	1447.4	1709.7	1910.1	2505.4	2612.6	3162.7	3148.6
287.8	65°	347.0	459.9	784.3	919.8	1125.7	1402.2	1495.3	1692.8	1644.8
141.1	67.5°	180.6	273.7	443.0	544.5	685.6	790.0	866.2	928.2	967.7
93.1	70°	110.0	200.3	273.7	378.1	471.2	555.8	615.1	699.7	750.5
48.0	72.5°	81.8	127.0	189.0	290.6	341.4	440.1	499.4	561.4	606.6
39.5	75°	45.1	84.6	152.4	228.5	273.7	358.3	411.9	454.2	468.3
22.6	77.5°	28.2	64.9	127.0	177.7	214.4	290.6	276.5	316.0	349.8
16.9	80°	19.7	48.0	98.7	146.7	149.5	186.2	220.1	253.9	276.5
11.3	82.5°	14.1	39.5	73.4	112.9	98.7	143.9	172.1	197.5	143.9
8.5	85°	11.3	28.2	36.7	67.7	56.4	101.6	87.5	84.6	56.4
5.6	87.5°	8.5	14.1	25.4	31.0	22.6	22.6	28.2	33.9	28.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
8283.5  
8077.5  
8133.9  
8181.9  
8252.4  
8396.3  
8639.0  
8957.8  
9307.6  
9601.0  
9756.2  
9578.5  
9400.7  
9234.3  
9059.3  
8856.2  
8636.1  
8399.1  
8139.6  
7803.8  
7358.1  
6960.3  
6565.3  
5555.2  
4457.7  
3151.4  
1625.1  
967.7  
753.3  
615.1  
459.9  
355.5  
279.3  
104.4  
56.4  
28.2  
0.0

(END OF REPORT)