Sunny Sheh

1. FLC 02 26-4°N, 80,1°W) 5'12 pitch

8 = tan'(\(\frac{5}{12}\) 2 22.62° d 2 90 - 22.62 = 67.36°

Sin 12

Sm (67.38) Sm. (26.4) -

(05 (67.38) (05 (26.4) (05 (-60)

2 0.41043207 - 0.172253

2 :23.81788

6 = 13.75°

(05W 2 SIN (67.34) - SIN (13.78) SIN (26.4)

cos (13.78) cos (26.4)

2 0.817166 z 0.9393458 0.8689

w 2 70.06°

2:50 4/26 and 8/14

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2 8x22A, Io=10to A, r=300h

 $I = I - I_0 \left(e^{qU} - I \right)$

ILZIC @ UZO

Prax 2 Isc Voc

Voc 2 MI In IL

Voc 2. 300 (1.38 x 10-23 5/k)

1.6 x 10-19 (In 2A 10-10)

VOC 2 .. SSYIV PMax = .SS.41U(ZA)

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4. 02 40° N

hz. Lsingo hz3

1, sn 90

514900 ZL

Wex sago

3 = L Sm900

SA.

623

Sin 2 3 Ft

dz.h

34+2 6.9144m

22.66.06

023 2 0,9/44m tan66.06 tan66.06

d z 0,40597 m